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Cover Page

Order ID : Q3376

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number	Client Sample Number
Q3376-01	PR132-S05-057082-20251016
Q3376-02	PR132-DP01-20251016
Q3376-03	PR132-COMP2-20251016
Q3376-04	PR132-S12-047072-20251016
Q3376-05	PR132-S12-020047-20251016
Q3376-07	PR132-FB01-20251016

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: 10/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3376
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/16/2025.
1 Water sample was received on 10/16/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

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 performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

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

The RPD for {VW1020SBSD01} with File ID: VW032381.D met criteria except for 1,2-Dibromo-3-Chloropropane[22%], 2-Butanone[22%] due to difference in results of BS and BSD.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82W100125S.M) for Methylene chloride passing on Linear regression.

The Continuous Calibration File ID VW032378.D met the requirements except for Bromoform and Dibromochloromethane are failing high but no positive hit in associate sample therefore no corrective action taken.

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The Continuous Calibration File ID VX048252.D met the requirements except for 4-Methyl-2-Pentanone is failing marginally low therefore no corrective action taken.
The Tuning criteria met requirements.

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

The Sample #PR132-DP01-20251016 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Trip Blank was not provided with this set of samples.

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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3376 MATRIX: /Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The %RSD is greater than 20% in the Initial Calibration method (82W100125S.M) for Methylene chloride passing on Linear regression. The Continuous Calibration File ID VW032378.D met the requirements except for Bromoform and Dibromochloromethane are failing high but no positive hit in associate sample therefore no corrective action taken.The Continuous Calibration File ID VX048252.D met the requirements except for 4-Methyl-2-Pentanone is failing marginally low therefore no corrective action taken.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The RPD for {VW1020SBSD01} with File ID: VW032381.D met criteria except for 1,2-Dibromo-3-Chloropropane[22%], 2-Butanone[22%] due to difference in results of BS and BSD.			
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:			

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

NA NO YES

ADDITIONAL COMMENTS:

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

The Sample #PR132-DP01-20251016 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Trip Blank was not provided with this set of samples.

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q3376**

	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:** **10/27/2025**

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LAB CHRONICLE

OrderID:	Q3376	**OrderDate:**	10/17/2025 10:34:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60697795 [illegible]
Contact:	Rob Forstner	**Location:**	Soil,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3376-01	**PR132-S05-057082-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3376-02	**PR132-DP01-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/21/25	
Q3376-03	**PR132-COMP2-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3376-04	**PR132-S12-047072-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3376-05	**PR132-S12-020047-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/20/25	
Q3376-07	**PR132-FB01-20251016**	**Water**			**10/16/25**			**10/16/25**
			VOC-TCLVOA-10	8260D			10/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3376

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**PR132-S05-057082-20251016**								
Q3376-01	PR132-S05-057082	SOIL	Acetone		410		8.00	42.0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Carbon Disulfide		17.6		1.80	8.40	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	2-Butanone		130		11.0	42.0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Methylcyclohexane		140		1.50	8.40	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Benzene		4.20	J	1.30	8.40	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	o-Xylene		13.2		1.40	8.40	ug/Kg
			Total Voc :		715				
Q3376-01	PR132-S05-057082	SOIL	Heptane, 2,6-dimethyl-	*	150	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Octane, 2,6-dimethyl-	*	420	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Heptane, 2,5-dimethyl-	*	150	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Cyclohexane, 1,1,3-trimethyl-	*	200	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	1-Ethyl-4-methylcyclohexane	*	150	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Octane, 2,3-dimethyl-	*	720	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Undecane, 2,6-dimethyl-	*	120	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	Tert butyl alcohol	*	82.1	J	23.0	42.0	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	1,3,5-Trimethylbenzene	*	21.6	J	1.40	8.40	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	1,2,4-Trimethylbenzene	*	19.3	J	1.10	8.40	ug/Kg
Q3376-01	PR132-S05-057082	SOIL	p-Isopropyltoluene	*	7.10	J	1.00	8.40	ug/Kg
			Total Tics :		2040				
			Total Concentration:		2760				
Client ID:	**PR132-DP01-20251016**								
Q3376-02	PR132-DP01-20251	SOIL	Acetone		140		9.20	48.3	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	Carbon Disulfide		6.90	J	2.00	9.70	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	2-Butanone		39.0	J	12.6	48.3	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	Methylcyclohexane		58.1		1.80	9.70	ug/Kg
			Total Voc :		244				
Q3376-02	PR132-DP01-20251	SOIL	Naphthalene, decahydro-, trans	*	160	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	Naphthalene, decahydro-2-metl	*	200	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	Undecane, 2,6-dimethyl-	*	160	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	1,3,5-Trimethylbenzene	*	9.00	J	1.60	9.70	ug/Kg
Q3376-02	PR132-DP01-20251	SOIL	1,2,4-Trimethylbenzene	*	6.10	J	1.20	9.70	ug/Kg
			Total Tics :		535				
			Total Concentration:		779				
Client ID:	**PR132-COMP2-20251016**								
Q3376-03	PR132-COMP2-202	SOIL	Acetone		240		9.80	51.9	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	Carbon Disulfide		10.0	J	2.20	10.4	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3376

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3376-03	PR132-COMP2-202	SOIL	2-Butanone		73.7		13.6	51.9	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	Methylcyclohexane		27.2		1.90	10.4	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	Benzene		2.50	J	1.60	10.4	ug/Kg
			Total Voc :		353				
Q3376-03	PR132-COMP2-202	SOIL	3-Heptene, 2,2,4,6,6-pentameth	*	140	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	Octane, 2,6-dimethyl-	*	160	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	Undecane, 3,6-dimethyl-	*	120	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	Octane, 4,5-dipropyl-	*	280	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-202	SOIL	1,2,4-Trimethylbenzene	*	4.20	J	1.30	10.4	ug/Kg
			Total Tics :		704				
			Total Concentration:		1060				
Client ID:	**PR132-S12-047072-20251016**								
Q3376-04	PR132-S12-047072	SOIL	Acetone		320		9.60	50.4	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Carbon Disulfide		19.9		2.10	10.1	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Methyl Acetate		4.90	J	3.10	10.1	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	2-Butanone		100		13.2	50.4	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Methylcyclohexane		29.1		1.80	10.1	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Benzene		9.00	J	1.60	10.1	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Ethyl Benzene		2.70	J	1.40	10.1	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	m/p-Xylenes		14.5	J	2.50	20.2	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	o-Xylene		26.4		1.70	10.1	ug/Kg
			Total Voc :		527				
Q3376-04	PR132-S12-047072	SOIL	Naphthalene, decahydro-	*	210	J	0	0	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Heptane, 2,2,6,6-tetramethyl-4-	*	320	J	0	0	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Octane, 2,6-dimethyl-	*	200	J	0	0	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	Undecane, 2,6-dimethyl-	*	180	J	0	0	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	1,3,5-Trimethylbenzene	*	6.40	J	1.70	10.1	ug/Kg
Q3376-04	PR132-S12-047072	SOIL	1,2,4-Trimethylbenzene	*	12.6	J	1.30	10.1	ug/Kg
			Total Tics :		929				
			Total Concentration:		1460				
Client ID:	**PR132-S12-020047-20251016**								
Q3376-05	PR132-S12-020047	SOIL	Acetone		290		12.1	63.6	ug/Kg
Q3376-05	PR132-S12-020047	SOIL	Carbon Disulfide		38.1		2.70	12.7	ug/Kg
Q3376-05	PR132-S12-020047	SOIL	2-Butanone		89.0		16.7	63.6	ug/Kg
Q3376-05	PR132-S12-020047	SOIL	Methylcyclohexane		12.9		2.30	12.7	ug/Kg
Q3376-05	PR132-S12-020047	SOIL	o-Xylene		8.80	J	2.10	12.7	ug/Kg
			Total Voc :		439				

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Hit Summary Sheet
SW-846

SDG No.: Q3376

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3376-05	PR132-S12-020047	SOIL	Octane, 2,3-dimethyl-	*	210	J	0	0	ug/Kg
			Total Tics :		210				
			Total Concentration:		649				
Client ID:	**PR132-FB01-20251016**								
Q3376-07	PR132-FB01-20251	Water	Acetone		5.70	J	1.50	25.0	ug/L
			Total Voc :		5.70				
			Total Concentration:		5.70				



QC SUMMARY

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

SDG No.: Q3376

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3376-01	PR132-S05-057082-20251016	1,2-Dichloroethane-d4	50	63.1	126		63	155
		Dibromofluoromethane	50	55.1	110		70	134
		Toluene-d8	50	58.9	118		74	123
		4-Bromofluorobenzene	50	64.6	129		17	146
Q3376-02	PR132-DP01-20251016	1,2-Dichloroethane-d4	50	57.2	114		63	155
		Dibromofluoromethane	50	51.6	103		70	134
		Toluene-d8	50	52.8	106		74	123
		4-Bromofluorobenzene	50	47.1	94		17	146
Q3376-03	PR132-COMP2-20251016	1,2-Dichloroethane-d4	50	60.3	121		63	155
		Dibromofluoromethane	50	53.8	107		70	134
		Toluene-d8	50	55.5	111		74	123
		4-Bromofluorobenzene	50	64.7	129		17	146
Q3376-04	PR132-S12-047072-20251016	1,2-Dichloroethane-d4	50	60.6	121		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	52.7	105		74	123
		4-Bromofluorobenzene	50	68.1	136		17	146
Q3376-05	PR132-S12-020047-20251016	1,2-Dichloroethane-d4	50	58.8	118		63	155
		Dibromofluoromethane	50	51.8	104		70	134
		Toluene-d8	50	53.0	106		74	123
		4-Bromofluorobenzene	50	55.5	111		17	146
Q3376-07	PR132-FB01-20251016	1,2-Dichloroethane-d4	50	58.4	117		74	125
		Dibromofluoromethane	50	49.8	100		75	124
		Toluene-d8	50	48.0	96		86	113
		4-Bromofluorobenzene	50	57.1	114		77	121
VW1020SBL01	VW1020SBL01	1,2-Dichloroethane-d4	50	65.7	131		63	155
		Dibromofluoromethane	50	58.2	116		70	134
		Toluene-d8	50	54.5	109		74	123
		4-Bromofluorobenzene	50	51.8	104		17	146
VW1020SBS01	VW1020SBS01	1,2-Dichloroethane-d4	50	52.1	104		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	53.0	106		74	123
		4-Bromofluorobenzene	50	51.7	103		17	146
VW1020SBSD0	VW1020SBSD01	1,2-Dichloroethane-d4	50	53.1	106		63	155
		Dibromofluoromethane	50	54.5	109		70	134
		Toluene-d8	50	54.5	109		74	123
		4-Bromofluorobenzene	50	52.8	106		17	146
VY1021SBL01	VY1021SBL01	1,2-Dichloroethane-d4	50	46.0	92		63	155
		Dibromofluoromethane	50	49.7	99		70	134
		Toluene-d8	50	48.1	96		74	123
		4-Bromofluorobenzene	50	36.4	73		17	146
VY1021SBS01	VY1021SBS01	1,2-Dichloroethane-d4	50	46.9	94		63	155
		Dibromofluoromethane	50	50.9	102		70	134
		Toluene-d8	50	51.3	103		74	123
		4-Bromofluorobenzene	50	49.9	100		17	146

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Surrogate Summary

SDG No.: Q3376

Client: AECOM

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VX1021WBL01	VX1021WBL01	1,2-Dichloroethane-d4	50	52.5	105		74	125
		Dibromofluoromethane	50	47.1	94		75	124
		Toluene-d8	50	46.4	93		86	113
		4-Bromofluorobenzene	50	52.6	105		77	121
VX1021WBS01	VX1021WBS01	1,2-Dichloroethane-d4	50	49.2	98		74	125
		Dibromofluoromethane	50	49.3	99		75	124
		Toluene-d8	50	47.8	96		86	113
		4-Bromofluorobenzene	50	49.7	99		77	121
VX1021WBSD0	VX1021WBSD01	1,2-Dichloroethane-d4	50	46.5	93		74	125
		Dibromofluoromethane	50	48.0	96		75	124
		Toluene-d8	50	47.9	96		86	113
		4-Bromofluorobenzene	50	47.3	95		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032380.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1020SBS01	Dichlorodifluoromethane	20	19.9	ug/Kg	100			64	136	
	Chloromethane	20	20.1	ug/Kg	101			52	151	
	Vinyl chloride	20	22.1	ug/Kg	111			56	148	
	Bromomethane	20	21.1	ug/Kg	106			58	141	
	Chloroethane	20	21.4	ug/Kg	107			69	130	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	21.7	ug/Kg	109			79	121	
	Acetone	100	97.1	ug/Kg	97			40	171	
	Carbon disulfide	20	21.1	ug/Kg	106			59	130	
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95			77	129	
	Methyl Acetate	20	17.5	ug/Kg	88			69	149	
	Methylene Chloride	20	19.0	ug/Kg	95			72	131	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			80	123	
	1,1-Dichloroethane	20	20.8	ug/Kg	104			82	123	
	Cyclohexane	20	19.2	ug/Kg	96			76	122	
	2-Butanone	100	87.6	ug/Kg	88			69	131	
	Carbon Tetrachloride	20	22.0	ug/Kg	110			76	129	
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102			82	123	
	Bromochloromethane	20	20.8	ug/Kg	104			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.5	ug/Kg	108			80	126	
	Methylcyclohexane	20	19.3	ug/Kg	97			77	123	
	Benzene	20	20.9	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			81	126	
	Trichloroethene	20	20.3	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			83	122	
	Bromodichloromethane	20	22.0	ug/Kg	110			82	123	
	4-Methyl-2-Pentanone	100	92.3	ug/Kg	92			70	135	
	Toluene	20	20.8	ug/Kg	104			83	122	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104			82	125	
	2-Hexanone	100	92.8	ug/Kg	93			66	138	
	Dibromochloromethane	20	21.7	ug/Kg	109			79	125	
	1,2-Dibromoethane	20	20.3	ug/Kg	102			80	125	
	Tetrachloroethene	20	20.1	ug/Kg	101			83	125	
	Chlorobenzene	20	20.2	ug/Kg	101			84	122	
	Ethyl Benzene	20	20.5	ug/Kg	103			82	124	
	m/p-Xylenes	40	41.2	ug/Kg	103			83	124	
	o-Xylene	20	19.8	ug/Kg	99			83	123	
	Styrene	20	21.1	ug/Kg	106			82	124	
	Bromoform	20	21.5	ug/Kg	108			75	127	
	Isopropylbenzene	20	19.8	ug/Kg	99			82	124	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.3	ug/Kg	102			84	121	
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032380.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1020SBS01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/Kg	92			66	134	
	1,2,4-Trichlorobenzene	20	19.2	ug/Kg	96			78	127	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032381.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1020SBSD01	Dichlorodifluoromethane	20	21.7	ug/Kg	109	9		64	136	20
	Chloromethane	20	20.0	ug/Kg	100	1		52	151	20
	Vinyl chloride	20	21.4	ug/Kg	107	4		56	148	20
	Bromomethane	20	21.7	ug/Kg	109	3		58	141	20
	Chloroethane	20	21.6	ug/Kg	108	1		69	130	20
	Trichlorofluoromethane	20	21.6	ug/Kg	108	11		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103	1		81	123	20
	1,1-Dichloroethene	20	21.6	ug/Kg	108	1		79	121	20
	Acetone	100	110	ug/Kg	110	13		40	171	20
	Carbon disulfide	20	21.6	ug/Kg	108	2		59	130	20
	Methyl tert-butyl Ether	20	21.3	ug/Kg	106	11		77	129	20
	Methyl Acetate	20	20.9	ug/Kg	104	17		69	149	20
	Methylene Chloride	20	19.5	ug/Kg	98	3		72	131	20
	trans-1,2-Dichloroethene	20	21.5	ug/Kg	108	3		80	123	20
	1,1-Dichloroethane	20	21.5	ug/Kg	108	4		82	123	20
	Cyclohexane	20	19.7	ug/Kg	99	3		76	122	20
	2-Butanone	100	110	ug/Kg	110	22	*	69	131	20
	Carbon Tetrachloride	20	22.3	ug/Kg	112	2		76	129	20
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106	4		82	123	20
	Bromochloromethane	20	21.5	ug/Kg	108	4		80	127	20
	Chloroform	20	22.5	ug/Kg	113	5		82	125	20
	1,1,1-Trichloroethane	20	22.4	ug/Kg	112	4		80	126	20
	Methylcyclohexane	20	19.4	ug/Kg	97	0		77	123	20
	Benzene	20	21.8	ug/Kg	109	5		84	121	20
	1,2-Dichloroethane	20	22.0	ug/Kg	110	7		81	126	20
	Trichloroethene	20	21.9	ug/Kg	110	8		83	122	20
	1,2-Dichloropropane	20	22.2	ug/Kg	111	6		83	122	20
	Bromodichloromethane	20	23.0	ug/Kg	115	4		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	18		70	135	20
	Toluene	20	22.5	ug/Kg	113	8		83	122	20
	t-1,3-Dichloropropene	20	22.6	ug/Kg	113	11		78	124	20
	cis-1,3-Dichloropropene	20	22.1	ug/Kg	111	7		81	122	20
	1,1,2-Trichloroethane	20	22.6	ug/Kg	113	8		82	125	20
	2-Hexanone	100	110	ug/Kg	110	17		66	138	20
	Dibromochloromethane	20	23.9	ug/Kg	119	9		79	125	20
	1,2-Dibromoethane	20	22.8	ug/Kg	114	11		80	125	20
	Tetrachloroethene	20	21.7	ug/Kg	109	8		83	125	20
	Chlorobenzene	20	21.3	ug/Kg	106	5		84	122	20
	Ethyl Benzene	20	20.6	ug/Kg	103	0		82	124	20
	m/p-Xylenes	40	42.2	ug/Kg	106	3		83	124	20
	o-Xylene	20	20.7	ug/Kg	104	5		83	123	20
	Styrene	20	21.8	ug/Kg	109	3		82	124	20
	Bromoform	20	23.5	ug/Kg	117	8		75	127	20
	Isopropylbenzene	20	19.8	ug/Kg	99	0		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	14		77	127	20
	1,3-Dichlorobenzene	20	21.5	ug/Kg	108	6		83	122	20
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105	3		84	121	20
	1,2-Dichlorobenzene	20	21.3	ug/Kg	106	6		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VW032381.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1020SBSD01	1,2-Dibromo-3-Chloropropane	20	23.0	ug/Kg	115	22	*	66	134	20
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102	6		78	127	20
	1,2,3-Trichlorobenzene	20	20.9	ug/Kg	104	9		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX048255.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1021WBS01	Dichlorodifluoromethane	20	16.8	ug/L	84			69	116	
	Chloromethane	20	17.8	ug/L	89			65	116	
	Vinyl chloride	20	17.6	ug/L	88			65	117	
	Bromomethane	20	19.3	ug/L	97			58	125	
	Chloroethane	20	18.9	ug/L	95			56	128	
	Trichlorofluoromethane	20	17.7	ug/L	89			73	115	
	1,1,2-Trichlorotrifluoroethane	20	17.6	ug/L	88			80	112	
	1,1-Dichloroethene	20	18.0	ug/L	90			74	110	
	Acetone	100	82.3	ug/L	82			60	125	
	Carbon disulfide	20	16.6	ug/L	83			64	112	
	Methyl tert-butyl Ether	20	17.6	ug/L	88			78	114	
	Methyl Acetate	20	17.5	ug/L	88			67	125	
	Methylene Chloride	20	19.1	ug/L	96			72	114	
	trans-1,2-Dichloroethene	20	17.9	ug/L	90			75	108	
	1,1-Dichloroethane	20	18.4	ug/L	92			78	112	
	Cyclohexane	20	19.2	ug/L	96			75	110	
	2-Butanone	100	85.2	ug/L	85			65	122	
	Carbon Tetrachloride	20	17.0	ug/L	85			77	113	
	cis-1,2-Dichloroethene	20	18.9	ug/L	95			77	110	
	Bromochloromethane	20	21.6	ug/L	108			70	124	
	Chloroform	20	18.8	ug/L	94			79	113	
	1,1,1-Trichloroethane	20	18.1	ug/L	91			80	108	
	Methylcyclohexane	20	17.0	ug/L	85			72	115	
	Benzene	20	18.5	ug/L	93			82	109	
	1,2-Dichloroethane	20	19.1	ug/L	96			80	115	
	Trichloroethene	20	18.1	ug/L	91			77	113	
	1,2-Dichloropropane	20	19.3	ug/L	97			83	111	
	Bromodichloromethane	20	18.6	ug/L	93			83	110	
	4-Methyl-2-Pentanone	100	86.9	ug/L	87			74	118	
	Toluene	20	18.8	ug/L	94			82	110	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			79	110	
	cis-1,3-Dichloropropene	20	18.8	ug/L	94			82	110	
	1,1,2-Trichloroethane	20	19.1	ug/L	96			83	112	
	2-Hexanone	100	85.9	ug/L	86			73	117	
	Dibromochloromethane	20	18.1	ug/L	91			82	110	
	1,2-Dibromoethane	20	18.6	ug/L	93			81	110	
	Tetrachloroethene	20	16.9	ug/L	85			67	123	
	Chlorobenzene	20	18.0	ug/L	90			82	109	
	Ethyl Benzene	20	17.8	ug/L	89			83	109	
	m/p-Xylenes	40	36.8	ug/L	92			82	110	
	o-Xylene	20	18.1	ug/L	91			83	109	
	Styrene	20	18.8	ug/L	94			80	111	
	Bromoform	20	17.0	ug/L	85			79	109	
	Isopropylbenzene	20	17.1	ug/L	86			83	112	
	1,1,2,2-Tetrachloroethane	20	17.3	ug/L	86			76	118	
	1,3-Dichlorobenzene	20	17.2	ug/L	86			82	108	
	1,4-Dichlorobenzene	20	16.6	ug/L	83			82	107	
	1,2-Dichlorobenzene	20	17.2	ug/L	86			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX048255.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1021WBS01	1,2-Dibromo-3-Chloropropane	20	14.2	ug/L	71			68	112	
	1,2,4-Trichlorobenzene	20	15.2	ug/L	76			75	113	
	1,2,3-Trichlorobenzene	20	15.5	ug/L	78			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX048256.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1021WBSD01	Dichlorodifluoromethane	20	18.0	ug/L	90	7		69	116	19
	Chloromethane	20	17.3	ug/L	86	3		65	116	21
	Vinyl chloride	20	16.9	ug/L	85	3		65	117	19
	Bromomethane	20	19.0	ug/L	95	2		58	125	20
	Chloroethane	20	19.0	ug/L	95	0		56	128	20
	Trichlorofluoromethane	20	17.9	ug/L	90	1		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89	1		80	112	15
	1,1-Dichloroethene	20	17.9	ug/L	90	0		74	110	20
	Acetone	100	81.6	ug/L	82	0		60	125	20
	Carbon disulfide	20	16.9	ug/L	85	2		64	112	20
	Methyl tert-butyl Ether	20	18.0	ug/L	90	2		78	114	20
	Methyl Acetate	20	16.9	ug/L	85	3		67	125	20
	Methylene Chloride	20	18.5	ug/L	93	3		72	114	20
	trans-1,2-Dichloroethene	20	18.8	ug/L	94	4		75	108	16
	1,1-Dichloroethane	20	18.8	ug/L	94	2		78	112	20
	Cyclohexane	20	18.4	ug/L	92	4		75	110	20
	2-Butanone	100	85.7	ug/L	86	1		65	122	26
	Carbon Tetrachloride	20	17.2	ug/L	86	1		77	113	15
	cis-1,2-Dichloroethene	20	19.1	ug/L	96	1		77	110	20
	Bromochloromethane	20	21.3	ug/L	106	2		70	124	20
	Chloroform	20	19.0	ug/L	95	1		79	113	20
	1,1,1-Trichloroethane	20	18.3	ug/L	92	1		80	108	20
	Methylcyclohexane	20	18.2	ug/L	91	7		72	115	20
	Benzene	20	18.8	ug/L	94	1		82	109	15
	1,2-Dichloroethane	20	18.5	ug/L	93	3		80	115	20
	Trichloroethene	20	18.3	ug/L	92	1		77	113	15
	1,2-Dichloropropane	20	19.8	ug/L	99	2		83	111	16
	Bromodichloromethane	20	18.8	ug/L	94	1		83	110	16
	4-Methyl-2-Pentanone	100	89.0	ug/L	89	2		74	118	25
	Toluene	20	18.9	ug/L	95	1		82	110	16
	t-1,3-Dichloropropene	20	18.5	ug/L	93	1		79	110	20
	cis-1,3-Dichloropropene	20	18.5	ug/L	93	1		82	110	16
	1,1,2-Trichloroethane	20	19.3	ug/L	97	1		83	112	20
	2-Hexanone	100	87.8	ug/L	88	2		73	117	25
	Dibromochloromethane	20	18.3	ug/L	92	1		82	110	20
	1,2-Dibromoethane	20	18.6	ug/L	93	0		81	110	20
	Tetrachloroethene	20	17.5	ug/L	88	3		67	123	15
	Chlorobenzene	20	18.9	ug/L	95	5		82	109	15
	Ethyl Benzene	20	18.3	ug/L	92	3		83	109	16
	m/p-Xylenes	40	37.5	ug/L	94	2		82	110	15
	o-Xylene	20	18.5	ug/L	93	2		83	109	20
	Styrene	20	19.2	ug/L	96	2		80	111	17
	Bromoform	20	17.7	ug/L	89	5		79	109	20
	Isopropylbenzene	20	18.5	ug/L	93	8		83	112	29
	1,1,2,2-Tetrachloroethane	20	18.4	ug/L	92	7		76	118	20
	1,3-Dichlorobenzene	20	18.2	ug/L	91	6		82	108	20
	1,4-Dichlorobenzene	20	18.2	ug/L	91	9		82	107	15
	1,2-Dichlorobenzene	20	18.6	ug/L	93	8		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3376**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM**	**Datafile :**	VX048256.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1021WBSD01	1,2-Dibromo-3-Chloropropane	20	16.9	ug/L	85	18		68	112	20
	1,2,4-Trichlorobenzene	20	16.8	ug/L	84	10		75	113	29
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86	10		76	114	29

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023523.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1021SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			64	136	
	Chloromethane	20	19.5	ug/Kg	98			52	151	
	Vinyl chloride	20	20.2	ug/Kg	101			56	148	
	Bromomethane	20	21.5	ug/Kg	108			58	141	
	Chloroethane	20	21.2	ug/Kg	106			69	130	
	Trichlorofluoromethane	20	20.4	ug/Kg	102			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/Kg	106			81	123	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			79	121	
	Acetone	100	120	ug/Kg	120			40	171	
	Carbon disulfide	20	20.2	ug/Kg	101			59	130	
	Methyl tert-butyl Ether	20	18.0	ug/Kg	90			77	129	
	Methyl Acetate	20	15.9	ug/Kg	79			69	149	
	Methylene Chloride	20	19.0	ug/Kg	95			72	131	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			80	123	
	1,1-Dichloroethane	20	20.5	ug/Kg	103			82	123	
	Cyclohexane	20	18.8	ug/Kg	94			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	21.7	ug/Kg	109			76	129	
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104			82	123	
	Bromochloromethane	20	19.7	ug/Kg	99			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106			80	126	
	Methylcyclohexane	20	19.8	ug/Kg	99			77	123	
	Benzene	20	21.6	ug/Kg	108			84	121	
	1,2-Dichloroethane	20	20.0	ug/Kg	100			81	126	
	Trichloroethene	20	21.9	ug/Kg	110			83	122	
	1,2-Dichloropropane	20	21.5	ug/Kg	108			83	122	
	Bromodichloromethane	20	21.3	ug/Kg	106			82	123	
	4-Methyl-2-Pentanone	100	86.7	ug/Kg	87			70	135	
	Toluene	20	21.9	ug/Kg	110			83	122	
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100			78	124	
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105			82	125	
	2-Hexanone	100	95.9	ug/Kg	96			66	138	
	Dibromochloromethane	20	20.8	ug/Kg	104			79	125	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			80	125	
	Tetrachloroethene	20	22.0	ug/Kg	110			83	125	
	Chlorobenzene	20	21.2	ug/Kg	106			84	122	
	Ethyl Benzene	20	21.0	ug/Kg	105			82	124	
	m/p-Xylenes	40	43.1	ug/Kg	108			83	124	
	o-Xylene	20	20.6	ug/Kg	103			83	123	
	Styrene	20	21.0	ug/Kg	105			82	124	
	Bromoform	20	19.5	ug/Kg	98			75	127	
	Isopropylbenzene	20	20.3	ug/Kg	102			82	124	
	1,1,2,2-Tetrachloroethane	20	18.2	ug/Kg	91			77	127	
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023523.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1021SBS01	1,2-Dibromo-3-Chloropropane	20	17.0	ug/Kg	85			66	134	
	1,2,4-Trichlorobenzene	20	18.0	ug/Kg	90			78	127	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			70	137	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW1020SBL01

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

Lab File ID: VW032379.D | Lab Sample ID: VW1020SBL01

Date Analyzed: 10/20/2025 | Time Analyzed: 11:11

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
VW1020SBS01	VW1020SBS01	VW032380.D	10/20/2025
VW1020SBSD01	VW1020SBSD01	VW032381.D	10/20/2025
PR132-S05-057082-20251016	Q3376-01	VW032388.D	10/20/2025
PR132-COMP2-20251016	Q3376-03	VW032390.D	10/20/2025
PR132-S12-047072-20251016	Q3376-04	VW032391.D	10/20/2025
PR132-S12-020047-20251016	Q3376-05	VW032392.D	10/20/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1021WBL01

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

Lab File ID: VX048254.D Lab Sample ID: VX1021WBL01

Date Analyzed: 10/21/2025 Time Analyzed: 09:40

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1021WBS01	VX1021WBS01	VX048255.D	10/21/2025
VX1021WBSD01	VX1021WBSD01	VX048256.D	10/21/2025
PR132-FB01-20251016	Q3376-07	VX048277.D	10/21/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1021SBL01

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

Lab File ID: VY023522.D | Lab Sample ID: VY1021SBL01

Date Analyzed: 10/21/2025 | Time Analyzed: 09:34

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1021SBS01	VY1021SBS01	VY023523.D	10/21/2025
PR132-DP01-20251016	Q3376-02	VY023528.D	10/21/2025

COMMENTS:

Raw Data: **VW032312.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

Lab File ID: VW032312.D | BFB Injection Date: 10/01/2025

Instrument ID: MSVOA_W | BFB Injection Time: 08:12

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	51.1
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	66.2
175	5.0 - 9.0% of mass 174	5.3 (8) 1
176	95.0 - 101.0% of mass 174	63.3 (95.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW032313.D	10/01/2025	13:12
VSTDICC010	VSTDICC010	VW032314.D	10/01/2025	13:34
VSTDICC020	VSTDICC020	VW032315.D	10/01/2025	14:15
VSTDICCC050	VSTDICCC050	VW032316.D	10/01/2025	14:37
VSTDICC100	VSTDICC100	VW032317.D	10/01/2025	14:59
VSTDICC150	VSTDICC150	VW032318.D	10/01/2025	15:20

Raw Data: **VW032377.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

Lab File ID: VW032377.D | BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_W | BFB Injection Time: 09:36

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.2 (7.8) 1
176	95.0 - 101.0% of mass 174	63.7 (96.2) 1
177	5.0 - 9.0% of mass 176	4.5 (7) 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	VW032378.D	10/20/2025	10:20
VW1020SBL01	VW1020SBL01	VW032379.D	10/20/2025	11:11
VW1020SBS01	VW1020SBS01	VW032380.D	10/20/2025	11:41
VW1020SBSD01	VW1020SBSD01	VW032381.D	10/20/2025	12:03
PR132-S05-057082-20251016	Q3376-01	VW032388.D	10/20/2025	14:56
PR132-COMP2-20251016	Q3376-03	VW032390.D	10/20/2025	15:40
PR132-S12-047072-20251016	Q3376-04	VW032391.D	10/20/2025	16:02
PR132-S12-020047-20251016	Q3376-05	VW032392.D	10/20/2025	16:24

Raw Data: **VX048226.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3376
Lab File ID: VX048226.D
BFB Injection Date: 10/20/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:15
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	76.5
175	5.0 - 9.0% of mass 174	5.8 (7.5) 1
176	95.0 - 101.0% of mass 174	73.8 (96.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX048229.D	10/20/2025	10:59
VSTDICC020	VSTDICC020	VX048231.D	10/20/2025	11:40
VSTDICCC050	VSTDICCC050	VX048232.D	10/20/2025	12:01
VSTDICC100	VSTDICC100	VX048233.D	10/20/2025	12:22
VSTDICC150	VSTDICC150	VX048234.D	10/20/2025	12:43
VSTDICC005	VSTDICC005	VX048236.D	10/20/2025	13:49

Raw Data: **VX048251.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3376
Lab File ID: VX048251.D
BFB Injection Date: 10/21/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:12
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	75.8
175	5.0 - 9.0% of mass 174	5.5 (7.2) 1
176	95.0 - 101.0% of mass 174	72.8 (96.1) 1
177	5.0 - 9.0% of mass 176	5 (6.8) 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	VX048252.D	10/21/2025	08:43
VX1021WBL01	VX1021WBL01	VX048254.D	10/21/2025	09:40
VX1021WBS01	VX1021WBS01	VX048255.D	10/21/2025	10:06
VX1021WBSD01	VX1021WBSD01	VX048256.D	10/21/2025	10:33
PR132-FB01-20251016	Q3376-07	VX048277.D	10/21/2025	17:48

Raw Data: **VY023383.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

Lab File ID: VY023383.D | BFB Injection Date: 10/07/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:43

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	16.9
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (0.9) 1
174	50.0 - 100.0% of mass 95	99.1
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	95.4 (96.2) 1
177	5.0 - 9.0% of mass 176	6.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY023384.D	10/07/2025	09:17
VSTDICC010	VSTDICC010	VY023385.D	10/07/2025	10:02
VSTDICC020	VSTDICC020	VY023386.D	10/07/2025	11:24
VSTDICCC050	VSTDICCC050	VY023387.D	10/07/2025	11:47
VSTDICC100	VSTDICC100	VY023388.D	10/07/2025	12:09
VSTDICC150	VSTDICC150	VY023389.D	10/07/2025	12:32

Raw Data: **VY023520.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

Lab File ID: VY023520.D | BFB Injection Date: 10/21/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:29

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	16.5
75	30.0 - 60.0% of mass 95	48.5
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	1.3 (1.4) 1
174	50.0 - 100.0% of mass 95	94.7
175	5.0 - 9.0% of mass 174	6.8 (7.1) 1
176	95.0 - 101.0% of mass 174	92.5 (97.7) 1
177	5.0 - 9.0% of mass 176	6.2 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023521.D	10/21/2025	09:05
VY1021SBL01	VY1021SBL01	VY023522.D	10/21/2025	09:34
VY1021SBS01	VY1021SBS01	VY023523.D	10/21/2025	10:04
PR132-DP01-20251016	Q3376-02	VY023528.D	10/21/2025	12:14

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

Lab File ID: VW032378.D Date Analyzed: 10/20/2025

Instrument ID: MSVOA_W Time Analyzed: 10:20

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	276051	7.97	500417	8.86	466876	11.63
UPPER LIMIT	552102	8.465	1000830	9.355	933752	12.129
LOWER LIMIT	138026	7.465	250209	8.355	233438	11.129
EPA SAMPLE NO.						
PR132-S05-057082-20251016	204641	7.97	455902	8.86	429083	11.63
PR132-COMP2-20251016	223521	7.96	492025	8.85	496249	11.64
PR132-S12-047072-20251016	228874	7.96	504890	8.86	502710	11.63
PR132-S12-020047-20251016	220545	7.97	499682	8.86	486561	11.63
VW1020SBL01	172114	7.96	392797	8.85	400571	11.63
VW1020SBS01	280998	7.96	517149	8.85	480746	11.63
VW1020SBSD01	280654	7.96	507546	8.86	481210	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: AECO02

Lab Code: ACE SDG NO.: Q3376

Lab File ID: VW032378.D Date Analyzed: 10/20/2025

Instrument ID: MSVOA_W Time Analyzed: 10:20

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

	IS4 AREA #	RT #				
12 HOUR STD	234766	13.556				
UPPER LIMIT	469532	14.056				
LOWER LIMIT	117383	13.056				
EPA SAMPLE NO.						
PR132-S05-057082-20251016	193724	13.56				
PR132-COMP2-20251016	236278	13.56				
PR132-S12-047072-20251016	262504	13.56				
PR132-S12-020047-20251016	228417	13.56				
VW1020SBL01	188560	13.56				
VW1020SBS01	240746	13.56				
VW1020SBSD01	239754	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

Lab File ID: VX048252.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_X Time Analyzed: 08:43

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	144122	5.53	227103	6.74	197016	10.04
UPPER LIMIT	288244	6.031	454206	7.238	394032	10.537
LOWER LIMIT	72061	5.031	113552	6.238	98508	9.537
EPA SAMPLE NO.						
PR132-FB01-20251016	95980	5.54	184822	6.75	196926	10.04
VX1021WBL01	121915	5.53	240535	6.75	247603	10.04
VX1021WBS01	141199	5.54	230109	6.74	212342	10.04
VX1021WBSD01	137604	5.53	224103	6.74	203364	10.04

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: AECO02

Lab Code: ACE SDG NO.: Q3376

Lab File ID: VX048252.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_X Time Analyzed: 08:43

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

	IS4 AREA #	RT #				
12 HOUR STD	96991	12.006				
UPPER LIMIT	193982	12.506				
LOWER LIMIT	48495.5	11.506				
EPA SAMPLE NO.						
PR132-FB01-20251016	105671	12.01				
VX1021WBL01	126551	12.01				
VX1021WBS01	110789	12.01				
VX1021WBSD01	101316	12.01				

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.

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

Lab File ID: VY023521.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:05

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	499961	7.71	698196	8.62	642915	11.42
UPPER LIMIT	999922	8.213	1396390	9.116	1285830	11.92
LOWER LIMIT	249981	7.213	349098	8.116	321458	10.92
EPA SAMPLE NO.						
PR132-DP01-20251016	663057	7.71	1122781	8.62	941880	11.41
VY1021SBL01	767531	7.71	1271980	8.62	1000258	11.42
VY1021SBS01	494016	7.71	712868	8.62	635785	11.41

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

Lab File ID: VY023521.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:05

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

	IS4 AREA #	RT #				
12 HOUR STD	341616	13.347				
UPPER LIMIT	683232	13.847				
LOWER LIMIT	170808	12.847				
EPA SAMPLE NO.						
PR132-DP01-20251016	360030	13.35				
VY1021SBL01	378610	13.35				
VY1021SBS01	341398	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

Raw Data: **VW032388.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-202510	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 53.5
Sample Wt/Vol:	5.56 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	8.40	U	1	1.90	8.40	ug/Kg	10/20/25 14:56	VW102025
74-87-3	Chloromethane	8.40	U	1	1.90	8.40	ug/Kg	10/20/25 14:56	VW102025
75-01-4	Vinyl Chloride	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
74-83-9	Bromomethane	8.40	U	1	1.80	8.40	ug/Kg	10/20/25 14:56	VW102025
75-00-3	Chloroethane	8.40	U	1	2.10	8.40	ug/Kg	10/20/25 14:56	VW102025
75-69-4	Trichlorofluoromethane	8.40	U	1	2.00	8.40	ug/Kg	10/20/25 14:56	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	8.40	U	1	1.80	8.40	ug/Kg	10/20/25 14:56	VW102025
75-35-4	1,1-Dichloroethene	8.40	U	1	1.70	8.40	ug/Kg	10/20/25 14:56	VW102025
67-64-1	Acetone	410		1	8.00	42.0	ug/Kg	10/20/25 14:56	VW102025
75-15-0	Carbon Disulfide	17.6		1	1.80	8.40	ug/Kg	10/20/25 14:56	VW102025
1634-04-4	Methyl tert-butyl Ether	8.40	U	1	1.20	8.40	ug/Kg	10/20/25 14:56	VW102025
79-20-9	Methyl Acetate	8.40	U	1	2.60	8.40	ug/Kg	10/20/25 14:56	VW102025
75-09-2	Methylene Chloride	16.8	U	1	5.90	16.8	ug/Kg	10/20/25 14:56	VW102025
156-60-5	trans-1,2-Dichloroethene	8.40	U	1	1.40	8.40	ug/Kg	10/20/25 14:56	VW102025
75-34-3	1,1-Dichloroethane	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
110-82-7	Cyclohexane	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
78-93-3	2-Butanone	130		1	11.0	42.0	ug/Kg	10/20/25 14:56	VW102025
56-23-5	Carbon Tetrachloride	8.40	U	1	1.60	8.40	ug/Kg	10/20/25 14:56	VW102025
156-59-2	cis-1,2-Dichloroethene	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
74-97-5	Bromochloromethane	8.40	U	1	1.90	8.40	ug/Kg	10/20/25 14:56	VW102025
67-66-3	Chloroform	8.40	U	1	1.40	8.40	ug/Kg	10/20/25 14:56	VW102025
71-55-6	1,1,1-Trichloroethane	8.40	U	1	1.60	8.40	ug/Kg	10/20/25 14:56	VW102025
108-87-2	Methylcyclohexane	140		1	1.50	8.40	ug/Kg	10/20/25 14:56	VW102025
71-43-2	Benzene	4.20	J	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
107-06-2	1,2-Dichloroethane	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
79-01-6	Trichloroethene	8.40	U	1	1.40	8.40	ug/Kg	10/20/25 14:56	VW102025
78-87-5	1,2-Dichloropropane	8.40	U	1	1.50	8.40	ug/Kg	10/20/25 14:56	VW102025
75-27-4	Bromodichloromethane	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
108-10-1	4-Methyl-2-Pentanone	42.0	U	1	6.00	42.0	ug/Kg	10/20/25 14:56	VW102025
108-88-3	Toluene	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
10061-02-6	t-1,3-Dichloropropene	8.40	U	1	1.10	8.40	ug/Kg	10/20/25 14:56	VW102025
10061-01-5	cis-1,3-Dichloropropene	8.40	U	1	1.00	8.40	ug/Kg	10/20/25 14:56	VW102025
79-00-5	1,1,2-Trichloroethane	8.40	U	1	1.50	8.40	ug/Kg	10/20/25 14:56	VW102025
591-78-6	2-Hexanone	42.0	U	1	6.20	42.0	ug/Kg	10/20/25 14:56	VW102025
124-48-1	Dibromochloromethane	8.40	U	1	1.50	8.40	ug/Kg	10/20/25 14:56	VW102025
106-93-4	1,2-Dibromoethane	8.40	U	1	1.50	8.40	ug/Kg	10/20/25 14:56	VW102025
127-18-4	Tetrachloroethene	8.40	U	1	1.80	8.40	ug/Kg	10/20/25 14:56	VW102025
108-90-7	Chlorobenzene	8.40	U	1	1.50	8.40	ug/Kg	10/20/25 14:56	VW102025
100-41-4	Ethyl Benzene	8.40	U	1	1.10	8.40	ug/Kg	10/20/25 14:56	VW102025
179601-23-1	m/p-Xylenes	16.8	U	1	2.10	16.8	ug/Kg	10/20/25 14:56	VW102025
95-47-6	o-Xylene	13.2		1	1.40	8.40	ug/Kg	10/20/25 14:56	VW102025
100-42-5	Styrene	8.40	U	1	1.20	8.40	ug/Kg	10/20/25 14:56	VW102025
75-25-2	Bromoform	8.40	U	1	1.40	8.40	ug/Kg	10/20/25 14:56	VW102025

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-202510	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	53.5
Sample Wt/Vol:	5.56 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	8.40	U	1	1.30	8.40	ug/Kg	10/20/25 14:56	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	8.40	U	1	2.00	8.40	ug/Kg	10/20/25 14:56	VW102025
541-73-1	1,3-Dichlorobenzene	8.40	U	1	2.90	8.40	ug/Kg	10/20/25 14:56	VW102025
106-46-7	1,4-Dichlorobenzene	8.40	U	1	2.60	8.40	ug/Kg	10/20/25 14:56	VW102025
95-50-1	1,2-Dichlorobenzene	8.40	U	1	2.40	8.40	ug/Kg	10/20/25 14:56	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	8.40	U	1	3.10	8.40	ug/Kg	10/20/25 14:56	VW102025
120-82-1	1,2,4-Trichlorobenzene	8.40	U	1	5.00	8.40	ug/Kg	10/20/25 14:56	VW102025
87-61-6	1,2,3-Trichlorobenzene	8.40	U	1	5.30	8.40	ug/Kg	10/20/25 14:56	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	63.1			63 - 155	126%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.1			70 - 134	110%	SPK: 50		
2037-26-5	Toluene-d8	58.9			74 - 123	118%	SPK: 50		
460-00-4	4-Bromofluorobenzene	64.6			17 - 146	129%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	205000							
540-36-3	1,4-Difluorobenzene	456000							
3114-55-4	Chlorobenzene-d5	429000							
3855-82-1	1,4-Dichlorobenzene-d4	194000							
TENTATIVE IDENTIFIED COMPOUNDS									
75-65-0	Tert butyl alcohol	82.1	J			5.21	ug/Kg		
001072-05-5	Heptane, 2,6-dimethyl-	150	J			10.9	ug/Kg		
002216-30-0	Heptane, 2,5-dimethyl-	150	J			11.0	ug/Kg		
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	200	J			11.2	ug/Kg		
003728-56-1	1-Ethyl-4-methylcyclohexane	150	J			11.9	ug/Kg		
002051-30-1	Octane, 2,6-dimethyl-	420	J			12.3	ug/Kg		
007146-60-3	Octane, 2,3-dimethyl-	720	J			12.4	ug/Kg		
108-67-8	1,3,5-Trimethylbenzene	21.6	J			12.9	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	19.3	J			13.3	ug/Kg		
99-87-6	p-Isopropyltoluene	7.10	J			13.5	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	120	J			14.8	ug/Kg		

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

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

Quant Time: Oct 21 01:28:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	204641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	455902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	429083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	193724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	188232	63.063	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 126.120%			
35) Dibromofluoromethane	7.904	113	162737	55.119	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 110.240%			
50) Toluene-d8	10.324	98	641572	58.876	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 117.760%			
62) 4-Bromofluorobenzene	12.617	95	266076	64.602	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 129.200%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.215	59	11037	48.851	ug/l	97
16) Acetone	4.161	43	203235	245.906	ug/l	99
17) Carbon Disulfide	4.423	76	66037	10.494	ug/l	96
25) 2-Butanone	7.197	43	85247	75.734	ug/l	96
39) Methylcyclohexane	9.343	83	404116	80.404	ug/l	92
40) Benzene	8.343	78	32626	2.498	ug/l	99
69) o-Xylene	12.165	106	44399m	7.824	ug/l	
80) 1,3,5-Trimethylbenzene	12.940	105	146996	12.826	ug/l	97
84) 1,2,4-Trimethylbenzene	13.251	105	133841	11.485	ug/l	100
86) p-Isopropyltoluene	13.494	119	50356	4.223	ug/l	92

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

Quantitation Report (LSC Reviewed)

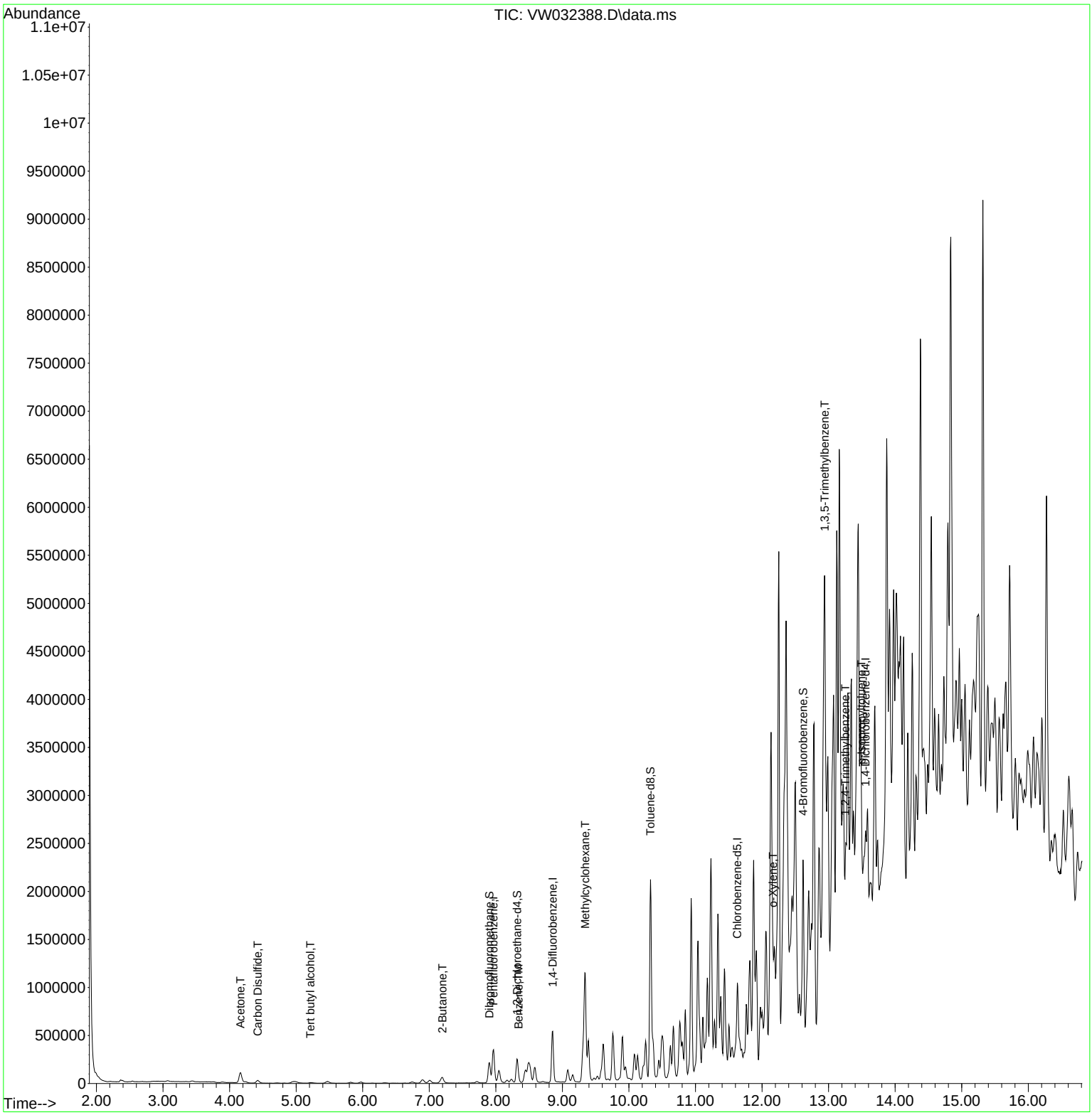
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

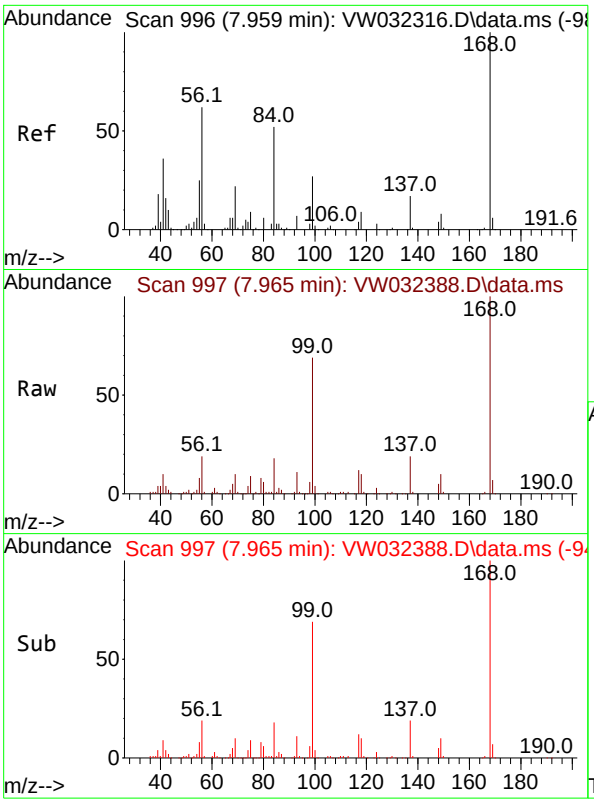
Quant Time: Oct 21 01:28:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

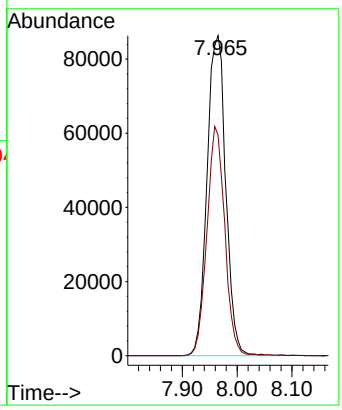




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion:168 Resp: 20464

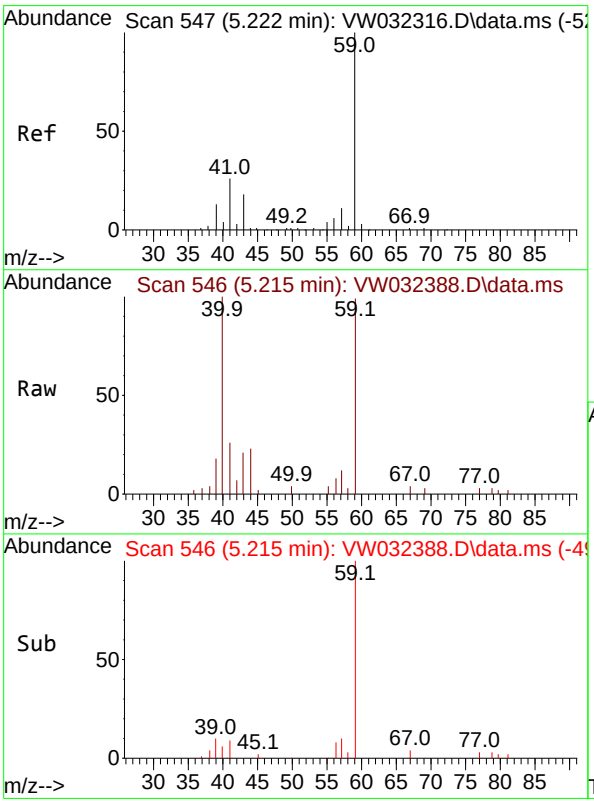
Ion	Ratio	Lower	Upper
168	100		
99	69.0	49.3	73.9



Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

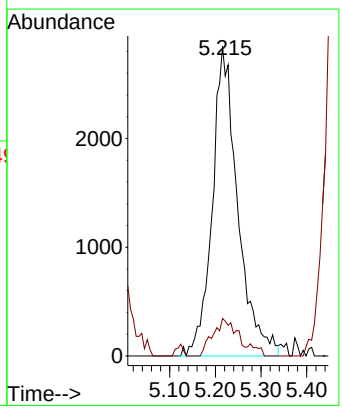
Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

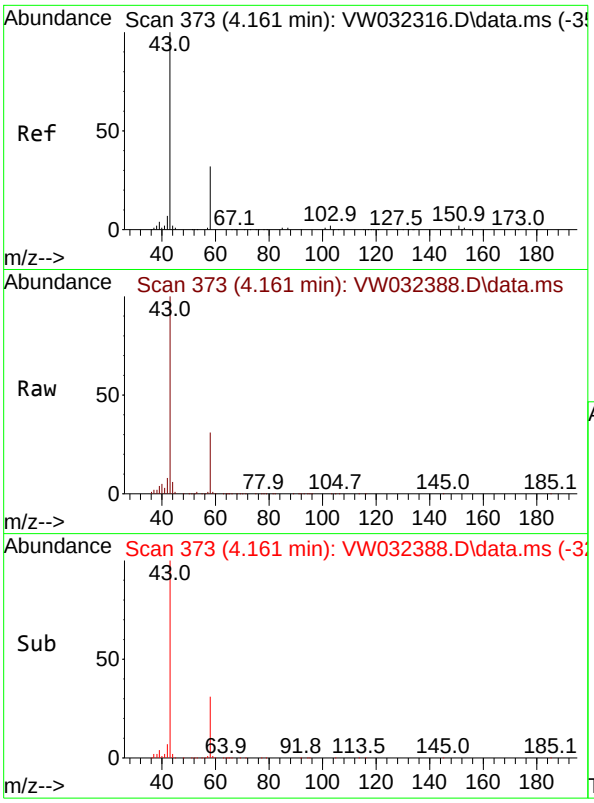


#11
Tert butyl alcohol
Concen: 48.851 ug/l
RT: 5.215 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion: 59 Resp: 11037

Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.8	14.6

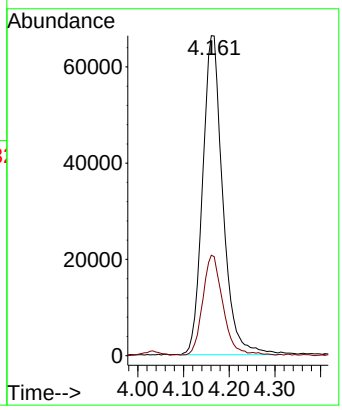




#16
Acetone
Concen: 245.906 ug/l
RT: 4.161 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion: 43 Resp: 20323

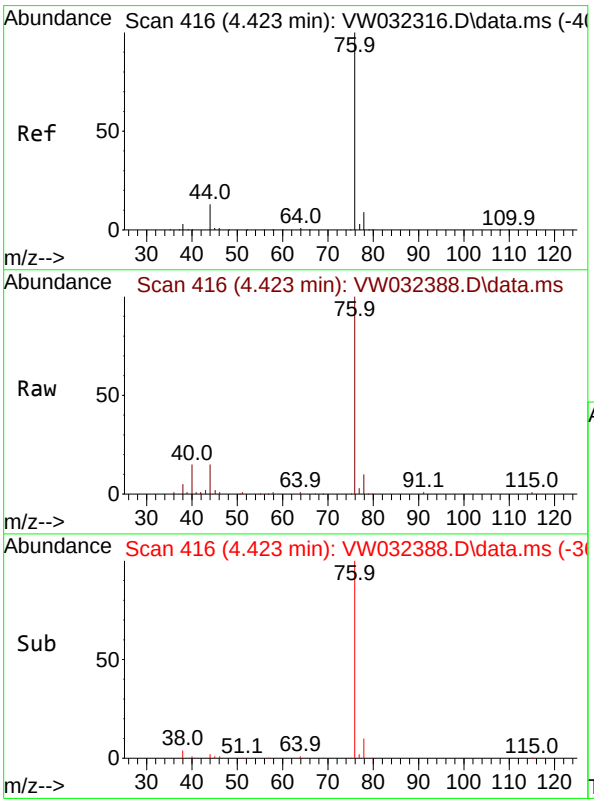
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.3	37.9



Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

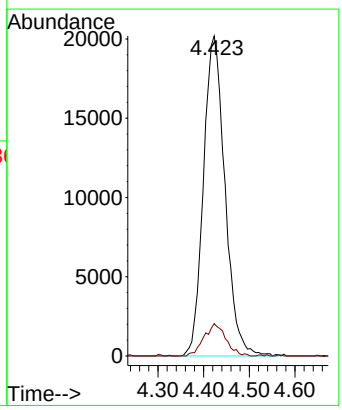
Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

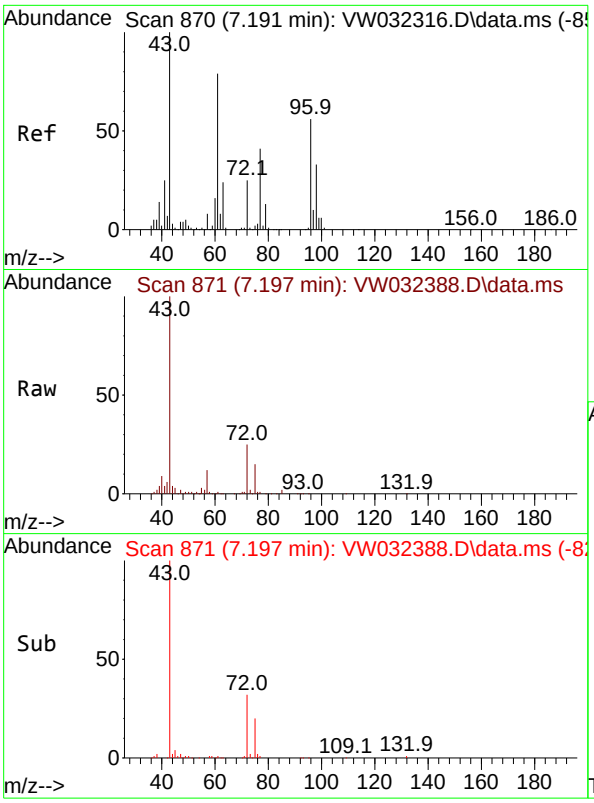


#17
Carbon Disulfide
Concen: 10.494 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion: 76 Resp: 66037

Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.0	10.6





#25
2-Butanone
Concen: 75.734 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

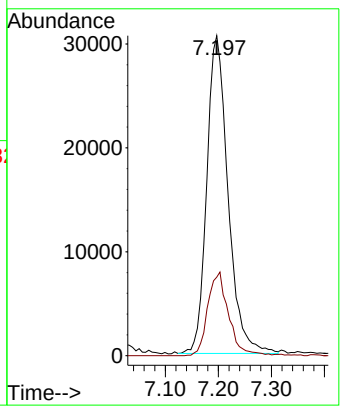
Tgt Ion: 43 Resp: 8524

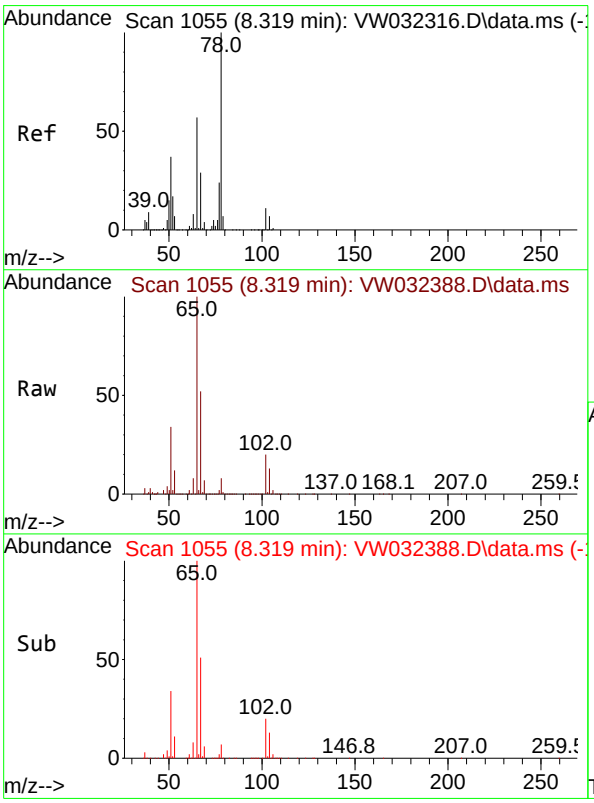
Ion	Ratio	Lower	Upper
43	100		
72	24.7	21.4	32.2

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

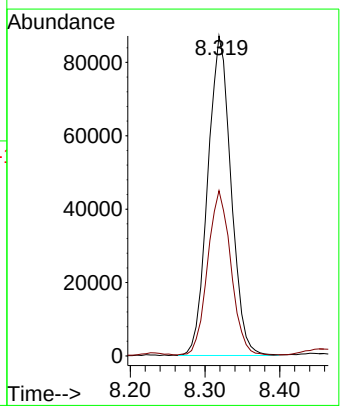


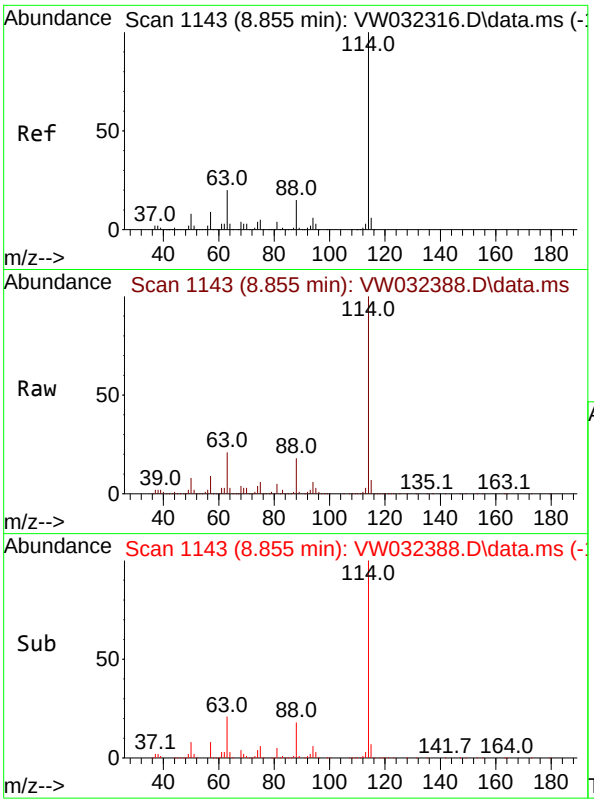


#33
1,2-Dichloroethane-d4
Concen: 63.063 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion: 65 Resp: 188232

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	99.6

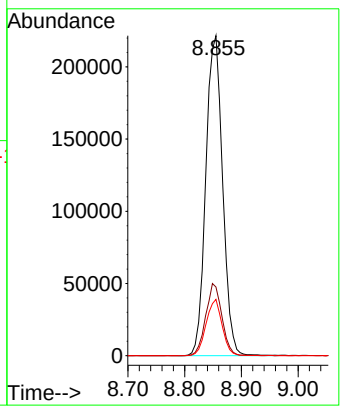




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion:114 Resp: 45590

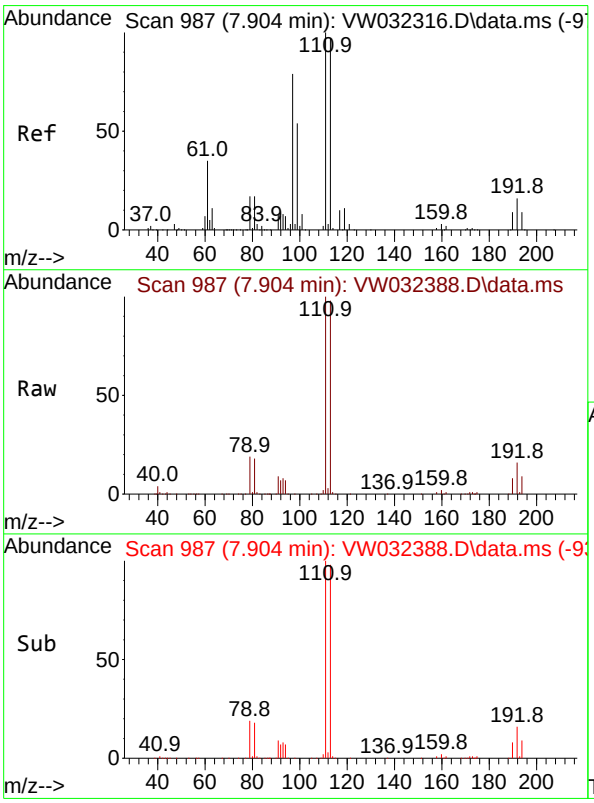
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	40.4
88	17.6	0.0	32.0



Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

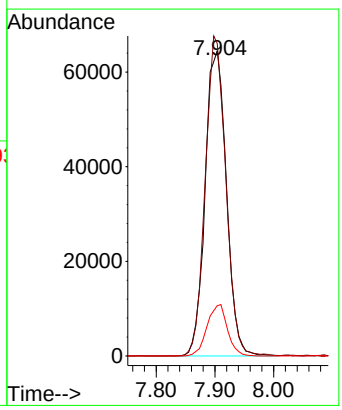
Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

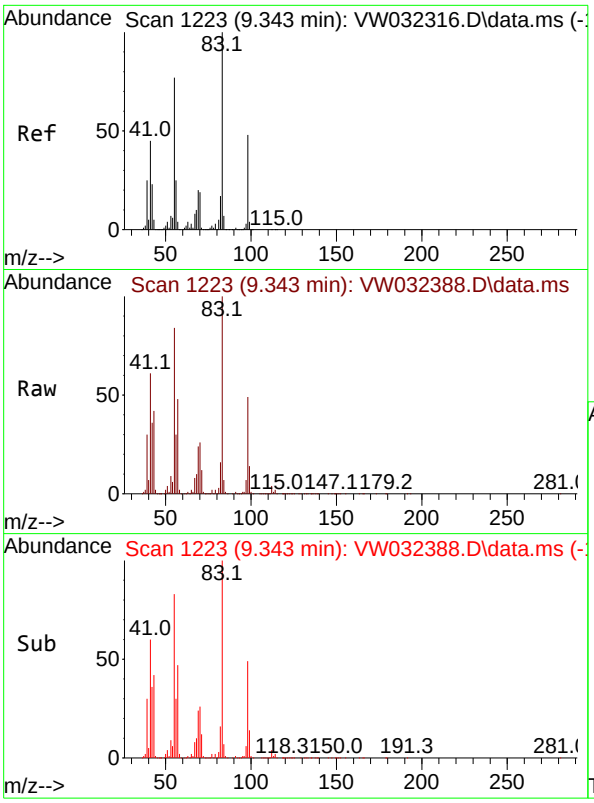


#35
Dibromofluoromethane
Concen: 55.119 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion:113 Resp: 162737

Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.9	125.9
192	16.1	14.6	21.8

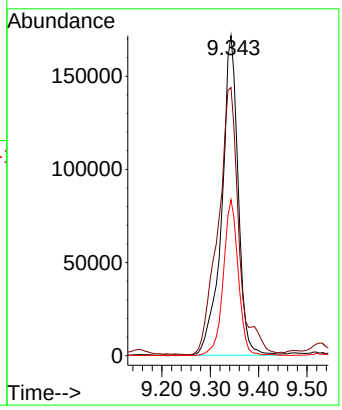




#39
Methylcyclohexane
Concen: 80.404 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion: 83 Resp: 40411(

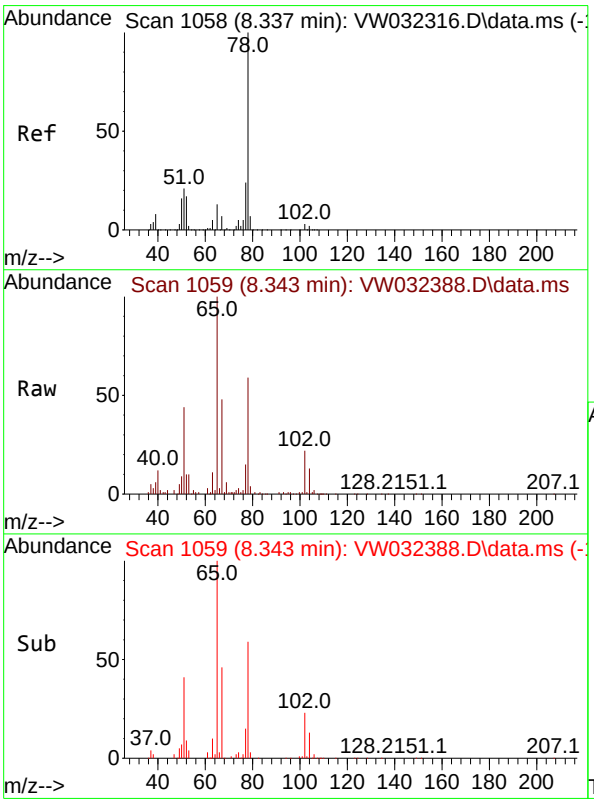
Ion	Ratio	Lower	Upper
83	100		
55	83.4	58.4	87.6
98	48.8	39.4	59.2



Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

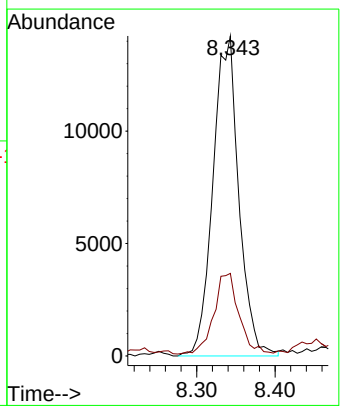
Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

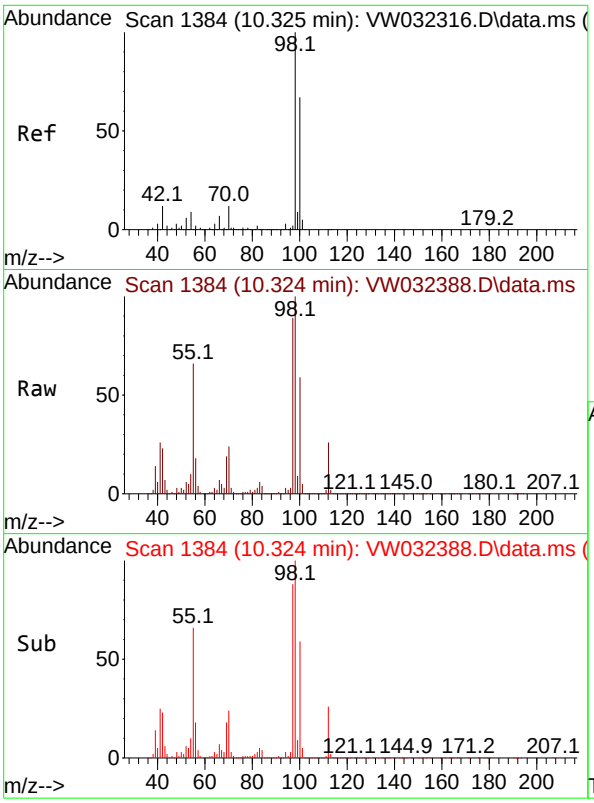


#40
Benzene
Concen: 2.498 ug/l
RT: 8.343 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion: 78 Resp: 32626

Ion	Ratio	Lower	Upper
78	100		
77	25.2	20.7	31.1





#50
Toluene-d8
Concen: 58.876 ug/l
RT: 10.324 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

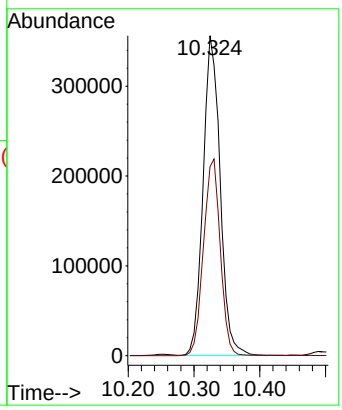
Tgt Ion: 98 Resp: 64157

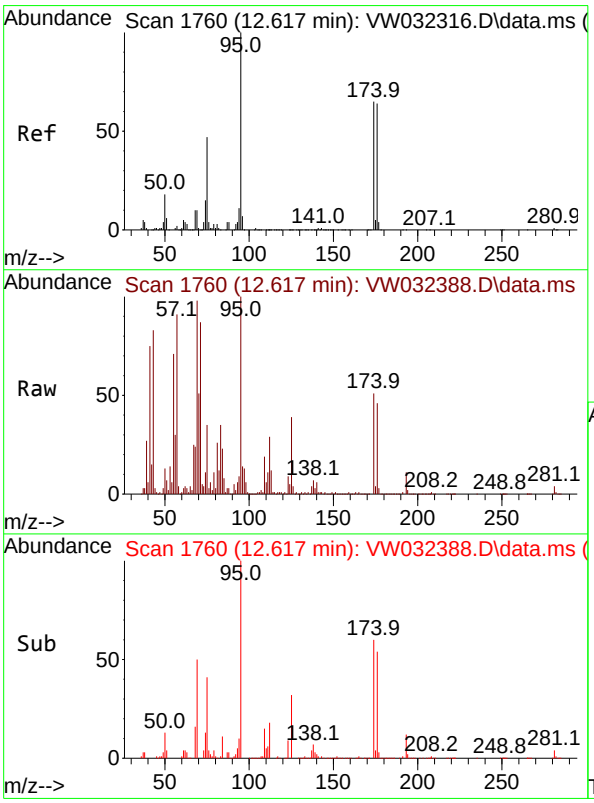
Ion	Ratio	Lower	Upper
98	100		
100	60.7	51.4	77.2

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

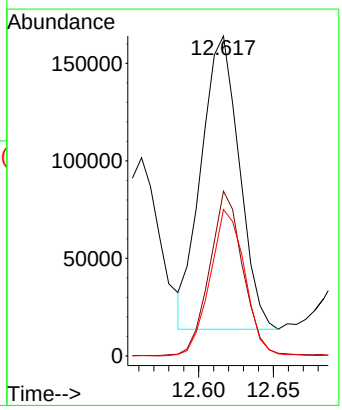


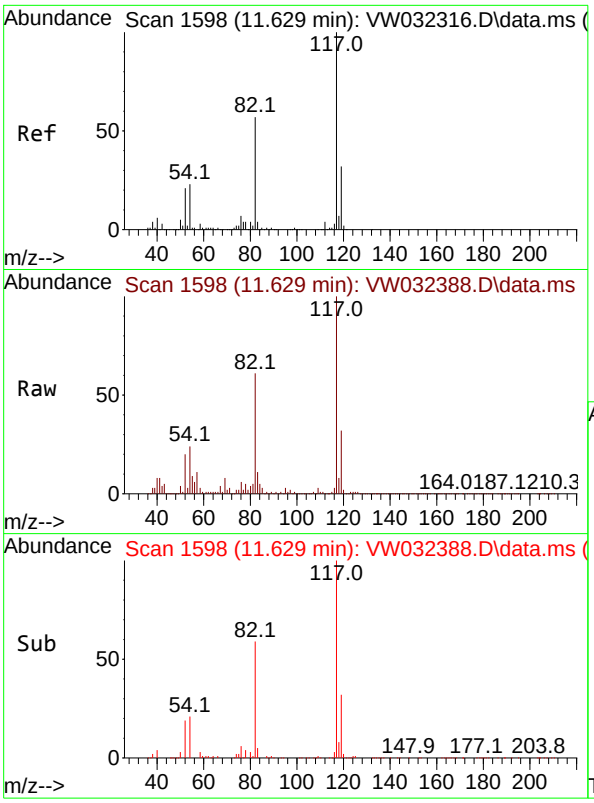


#62
4-Bromofluorobenzene
Concen: 64.602 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion: 95 Resp: 266076

Ion	Ratio	Lower	Upper
95	100		
174	49.5	0.0	145.6
176	45.7	0.0	140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

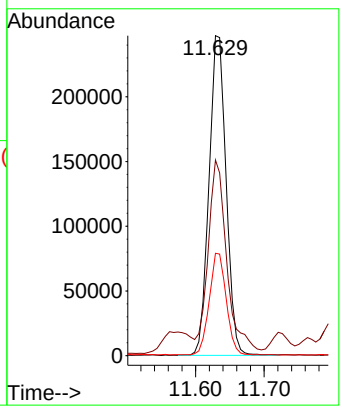
Tgt Ion:117 Resp: 42908

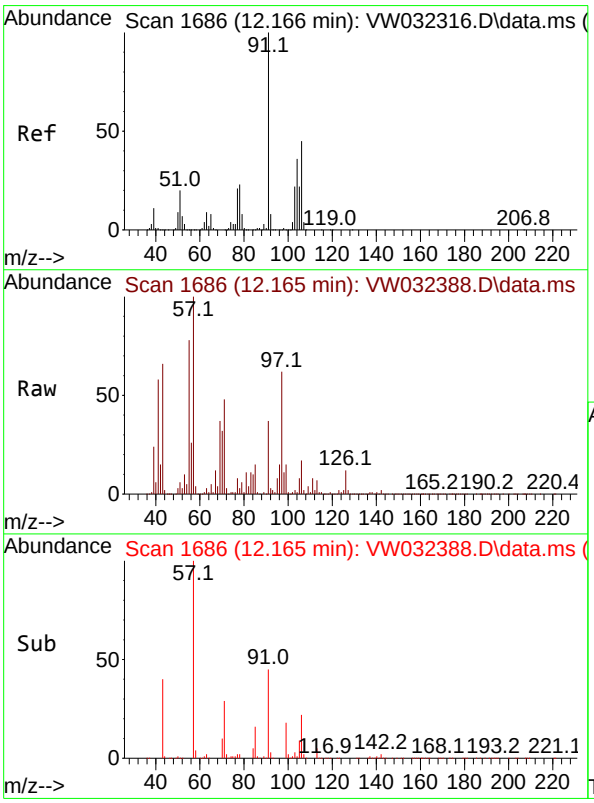
Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.7	64.1
119	31.8	25.2	37.8

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

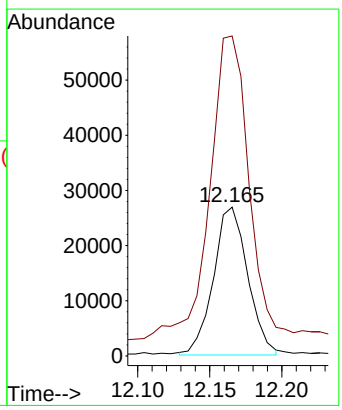


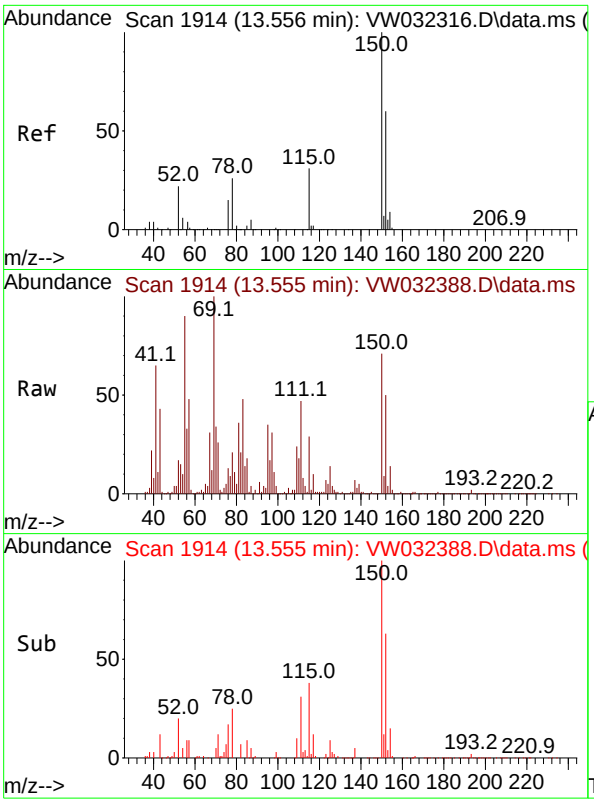


#69
o-Xylene
Concen: 7.824 ug/l m
RT: 12.165 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion:106 Resp: 44399

Ion	Ratio	Lower	Upper
106	100		
91	0.0	108.7	326.3#





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

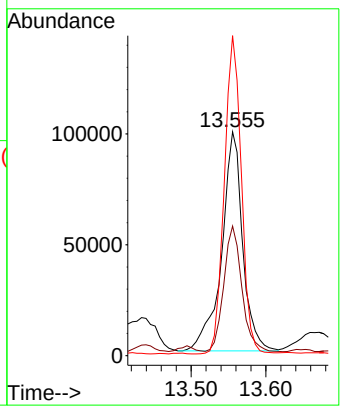
Tgt Ion:152 Resp: 19372

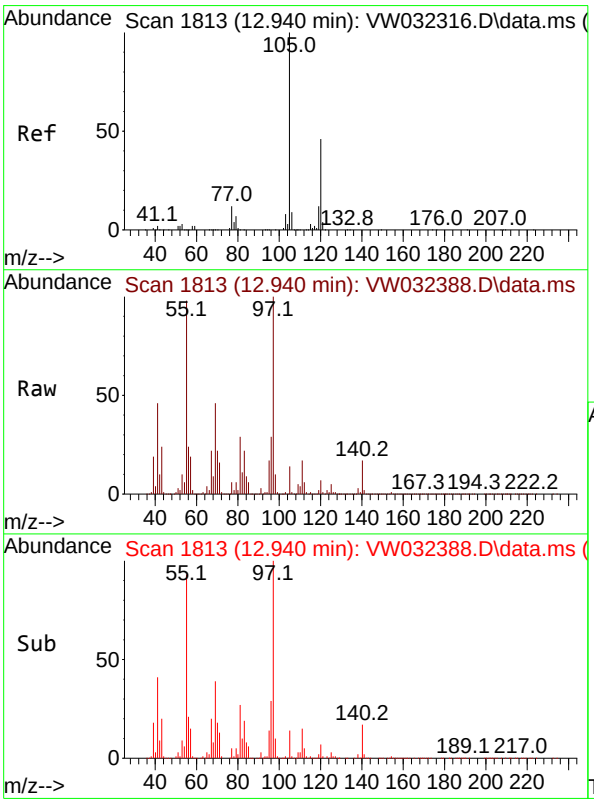
Ion	Ratio	Lower	Upper
152	100		
115	49.4	31.8	95.4
150	117.6	0.0	343.0

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025

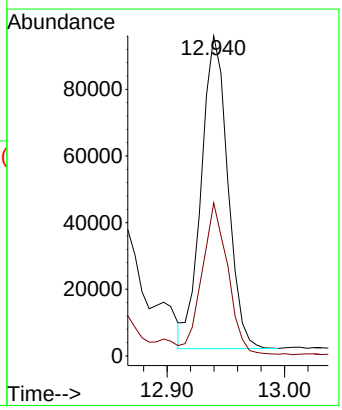


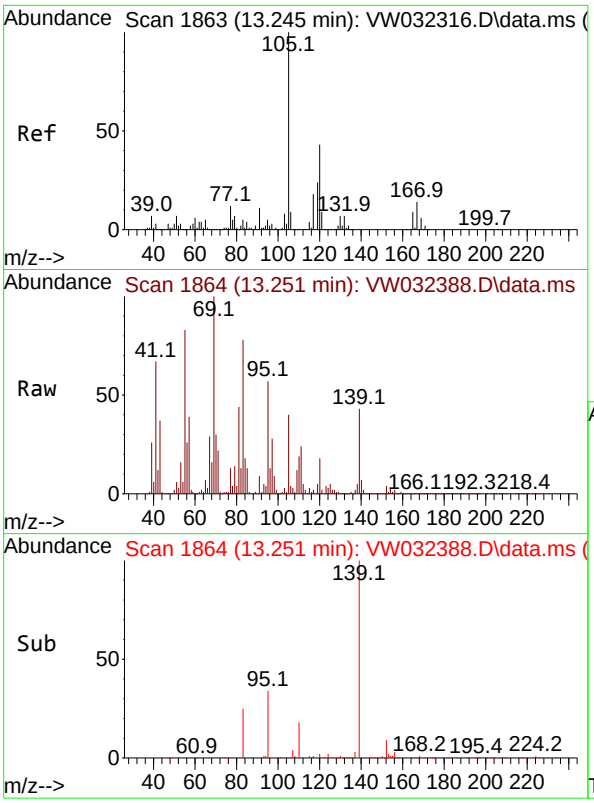


#80
1,3,5-Trimethylbenzene
Concen: 12.826 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion:105 Resp: 146996

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.8	74.4

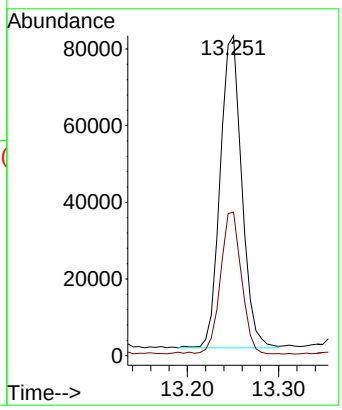




#84
1,2,4-Trimethylbenzene
Concen: 11.485 ug/l
RT: 13.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion:105 Resp: 13384

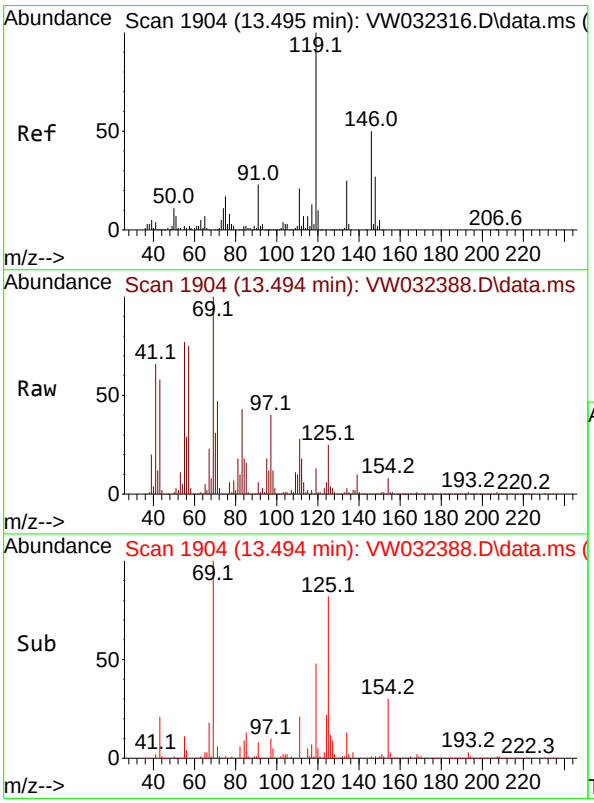
Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.3



Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

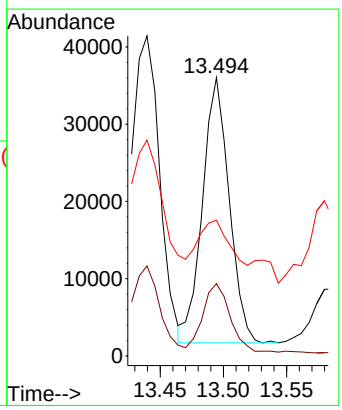
Reviewed By :Amit Patel 10/28/2025
Supervised By :Mahesh Dadoda 10/28/2025



#86
p-Isopropyltoluene
Concen: 4.223 ug/l
RT: 13.494 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion:119 Resp: 50356

Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.6	37.6
91	17.7	12.4	37.0



LSC Area Percent Report

Sample Results: **VW032388.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Title : SW846 8260

Signal : TIC: VW032388.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	364	373	384	rBV	102760	307915	2.06%	0.131%
2	7.197	857	871	889	rVB3	59369	205309	1.37%	0.087%
3	7.904	976	987	991	rBV2	209871	521543	3.48%	0.221%
4	7.965	991	997	1004	rVV2	344456	842474	5.63%	0.357%
5	8.044	1004	1010	1022	rVB2	124053	327641	2.19%	0.139%
6	8.319	1048	1055	1066	rVB2	242663	562616	3.76%	0.239%
7	8.447	1066	1076	1079	rBV3	128868	336313	2.25%	0.143%
8	8.495	1079	1084	1093	rVV3	206884	688819	4.60%	0.292%
9	8.587	1093	1099	1110	rVB	154873	371922	2.48%	0.158%
10	8.855	1133	1143	1154	rBV	534003	1133171	7.57%	0.480%
11	9.081	1172	1180	1187	rBV	127341	295531	1.97%	0.125%
12	9.154	1187	1192	1201	rVB	73340	159754	1.07%	0.068%
13	9.337	1209	1222	1228	rBV2	1137722	3137409	20.95%	1.330%
14	9.392	1228	1231	1240	rVB	413675	732414	4.89%	0.311%
15	9.611	1257	1267	1275	rVB2	370649	909959	6.08%	0.386%
16	9.757	1284	1291	1301	rBV2	488317	1039119	6.94%	0.441%
17	9.904	1304	1315	1319	rBV	448584	931890	6.22%	0.395%
18	9.946	1319	1322	1329	rVB2	118943	222056	1.48%	0.094%
19	10.080	1337	1344	1348	rBV2	266601	555091	3.71%	0.235%
20	10.129	1348	1352	1360	rVB	245964	471347	3.15%	0.200%
21	10.251	1360	1372	1378	rBV3	396946	1019219	6.81%	0.432%
22	10.324	1378	1384	1398	rVB2	2055379	4393199	29.34%	1.863%
23	10.446	1399	1404	1407	rBV	170735	292599	1.95%	0.124%
24	10.501	1407	1413	1422	rVB2	436905	1200668	8.02%	0.509%
25	10.623	1424	1433	1436	rBV2	336554	664871	4.44%	0.282%
26	10.666	1436	1440	1448	rVB	523148	969639	6.48%	0.411%
27	10.763	1448	1456	1460	rBV4	567006	1290316	8.62%	0.547%
28	10.849	1466	1470	1475	rVB	673256	1073705	7.17%	0.455%
29	10.934	1475	1484	1491	rBV	1832798	3200535	21.38%	1.357%
30	11.038	1491	1501	1509	rBV	1359849	3088469	20.63%	1.310%
31	11.111	1509	1513	1517	rVV2	514775	879119	5.87%	0.373%
32	11.178	1520	1524	1528	rVV	901806	1609939	10.75%	0.683%
33	11.233	1528	1533	1538	rVV	2128742	4081784	27.26%	1.731%
34	11.288	1538	1542	1545	rVV2	428798	736287	4.92%	0.312%
35	11.336	1545	1550	1554	rVV2	1520937	2691345	17.98%	1.141%
36	11.379	1554	1557	1562	rVV2	646419	1071225	7.15%	0.454%

Sample Results: **VW032388.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Title : SW846 8260

37	11.434	1562	1566	1574	rVB	950107	1729557	11.55%	0.733%
38	11.501	1574	1577	1581	rBV	363657	496251	3.31%	0.210%
39	11.550	1581	1585	1589	rVB4	103047	157954	1.05%	0.067%
40	11.629	1590	1598	1607	rBV2	771240	1736948	11.60%	0.736%
41	11.763	1616	1620	1623	rBV	506472	760880	5.08%	0.323%
42	11.818	1623	1629	1633	rVV5	871276	1733619	11.58%	0.735%
43	11.873	1633	1638	1642	rVV	1813156	3115543	20.81%	1.321%
44	11.916	1642	1645	1650	rVB3	1140018	1812800	12.11%	0.769%
45	11.976	1650	1655	1657	rBV	550724	963577	6.44%	0.409%
46	12.056	1663	1668	1674	rVB3	1075625	2042924	13.64%	0.866%
47	12.135	1674	1681	1687	rBV3	3150008	7308624	48.81%	3.099%
48	12.251	1692	1700	1705	rVB	4918281	8603238	57.46%	3.648%
49	12.361	1705	1718	1726	rBV3	4196377	14972288	100.00%	6.349%
50	12.452	1729	1733	1735	rVV4	905138	1667062	11.13%	0.707%
51	12.501	1737	1741	1748	rVB3	2405009	5044807	33.69%	2.139%
52	12.562	1748	1751	1754	rVB	223835	241462	1.61%	0.102%
53	12.617	1754	1760	1765	rVB3	1745736	2957527	19.75%	1.254%
54	12.702	1765	1774	1777	rBV5	1424464	3403067	22.73%	1.443%
55	12.781	1782	1787	1793	rVB2	3131543	5937748	39.66%	2.518%
56	12.854	1793	1799	1804	rBV5	1833488	4523516	30.21%	1.918%
57	12.940	1805	1813	1818	rBV6	3733511	9702514	64.80%	4.114%
58	13.074	1826	1835	1839	rBV3	2665459	6831197	45.63%	2.897%
59	13.123	1839	1843	1846	rVV2	3775684	5834291	38.97%	2.474%
60	13.159	1846	1849	1855	rVB	3999741	6333832	42.30%	2.686%
61	13.287	1867	1870	1874	rVB	1631871	2038808	13.62%	0.864%
62	13.342	1875	1879	1882	rVV	1743558	2269568	15.16%	0.962%
63	13.446	1888	1896	1899	rBV6	3358851	7025582	46.92%	2.979%
64	13.696	1931	1937	1941	rBV4	2022604	3747552	25.03%	1.589%
65	13.872	1961	1966	1970	rBV2	3939342	7065398	47.19%	2.996%
66	13.915	1970	1973	1978	rVB4	1809521	2696508	18.01%	1.143%
67	13.976	1979	1983	1986	rBV3	1885038	2981076	19.91%	1.264%
68	14.129	2005	2008	2013	rVB	2515142	3725835	24.88%	1.580%
69	14.189	2014	2018	2022	rBV4	1513612	2484900	16.60%	1.054%
70	14.257	2025	2029	2035	rVB5	2058600	3547848	23.70%	1.504%
71	14.311	2035	2038	2042	rBV3	784883	1312895	8.77%	0.557%
72	14.378	2043	2049	2054	rBV2	4942789	8872598	59.26%	3.762%
73	14.543	2072	2076	2081	rVB4	2643195	4121820	27.53%	1.748%
74	14.732	2104	2107	2112	rBV4	934064	1485656	9.92%	0.630%
75	14.793	2113	2117	2120	rVV2	2422150	4397579	29.37%	1.865%
76	14.836	2120	2124	2131	rVB2	5287936	10061786	67.20%	4.266%

Sample Results: **VW032388.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Title : SW846 8260

77	15.317	2198	2203	2210	rVB	6157020	9964334	66.55%	4.225%
78	15.561	2239	2243	2249	rBV5	931126	2025489	13.53%	0.859%
79	15.622	2250	2253	2255	rBV3	783535	1140946	7.62%	0.484%
80	15.720	2265	2269	2277	rVB6	2634197	5520431	36.87%	2.341%
81	16.201	2346	2348	2354	rVB3	1198642	1897142	12.67%	0.804%
82	16.274	2355	2360	2368	rVB	3804884	7528411	50.28%	3.192%

Sum of corrected areas: 235838600

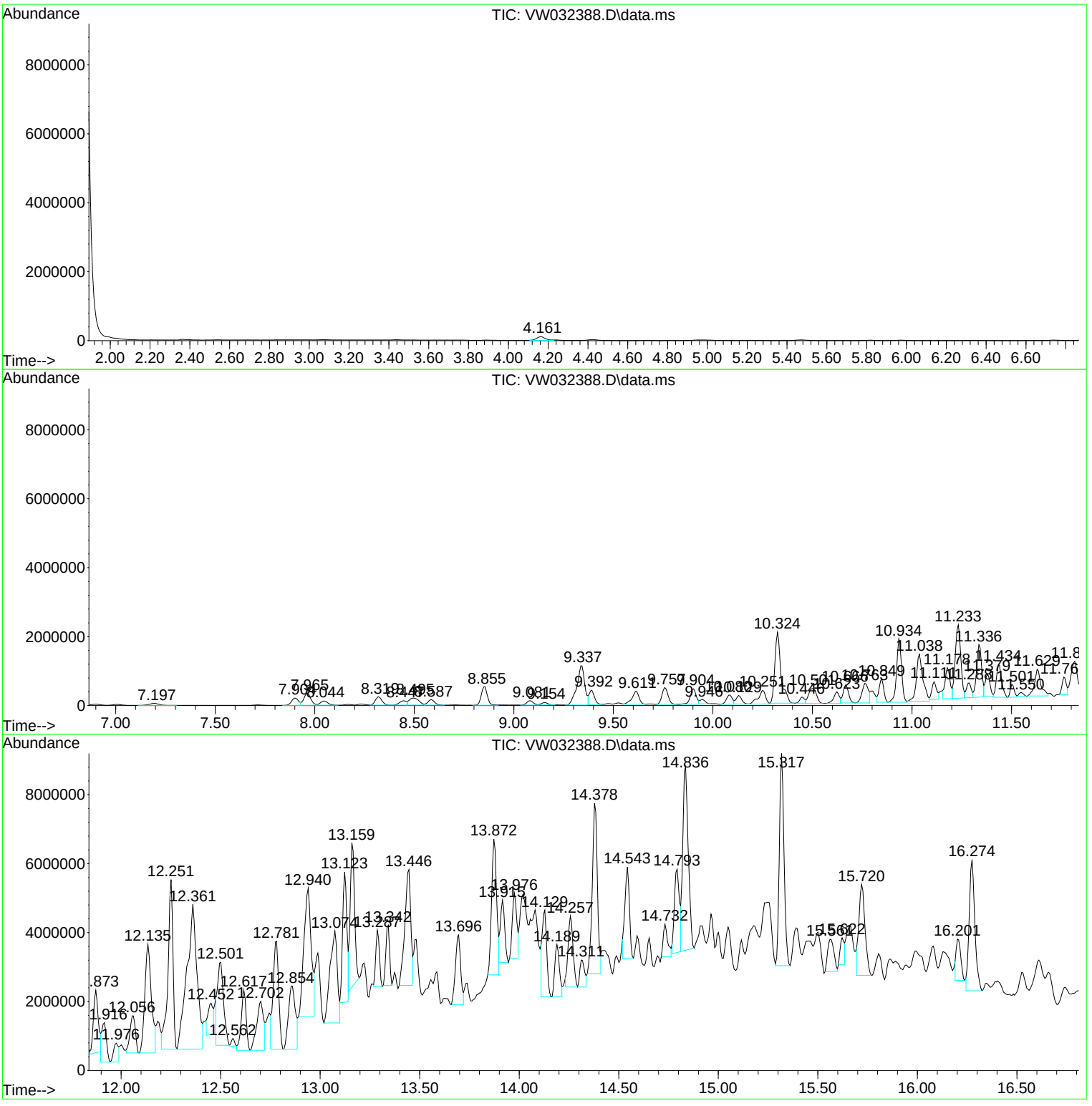
Sample Results: **VW032388.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

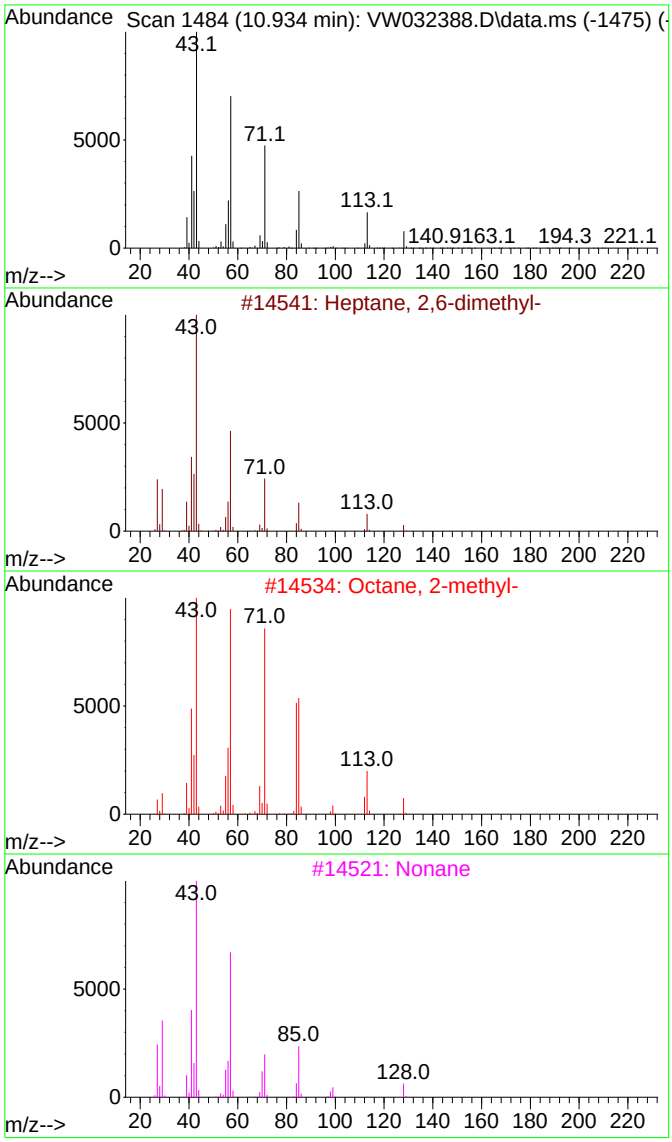
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Quant Title : SW846 8260

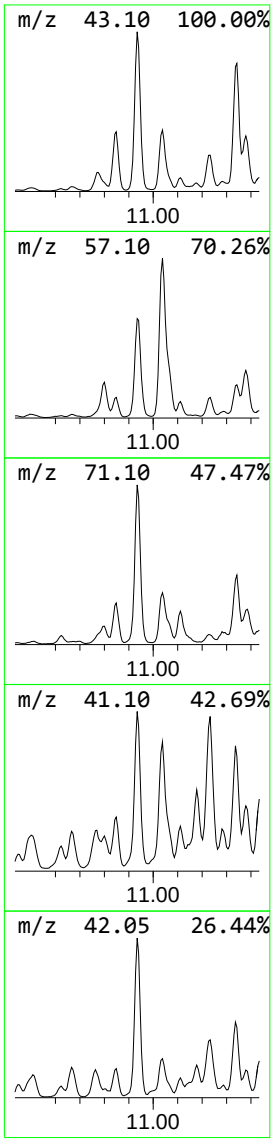
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Heptane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.934	92.13 ug/l	3200540	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	94
2	Octane, 2-methyl-	128	C9H20	003221-61-2	90
3	Nonane	128	C9H20	000111-84-2	58
4	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	53
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

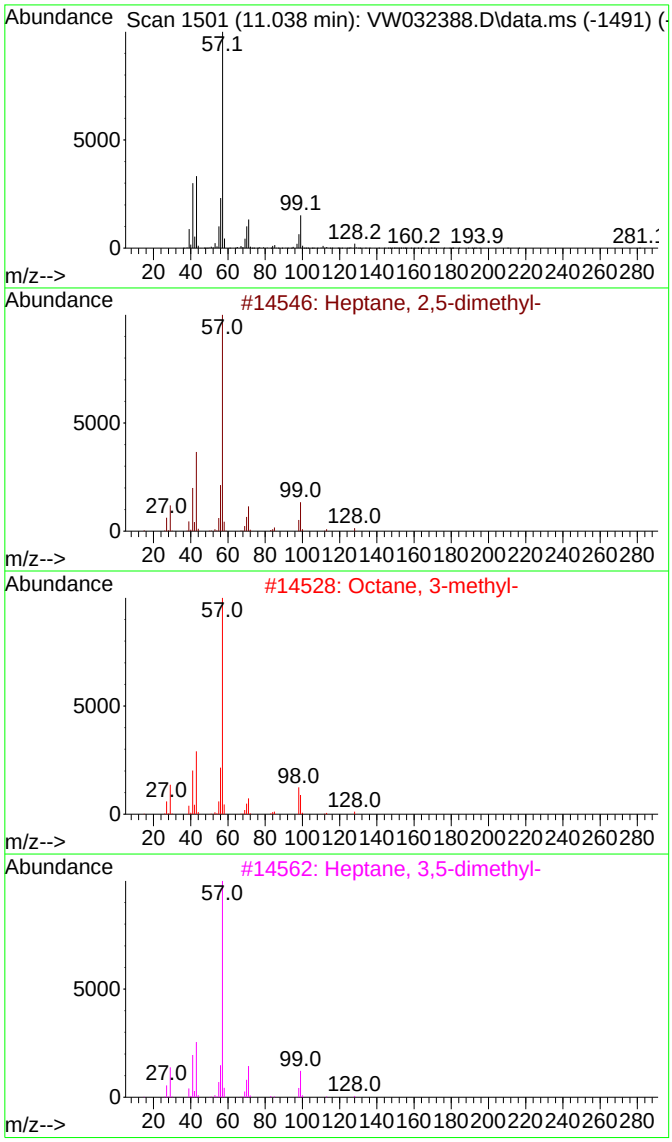
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Quant Title : SW846 8260

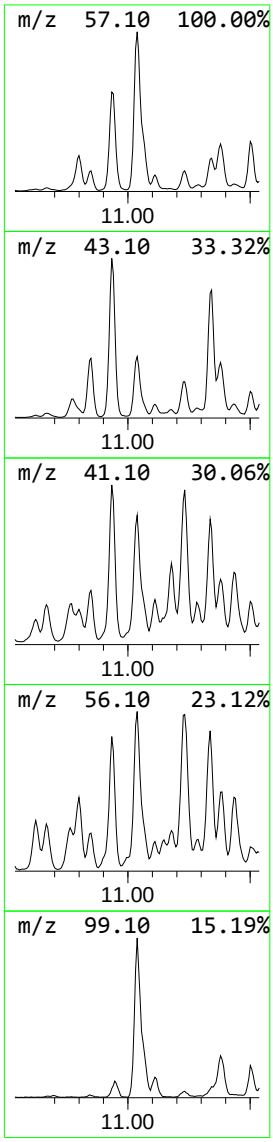
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptane, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.038	88.91 ug/l	3088470	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2	Octane, 3-methyl-	128	C9H20	002216-33-3	83
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	81
4	2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	53
5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

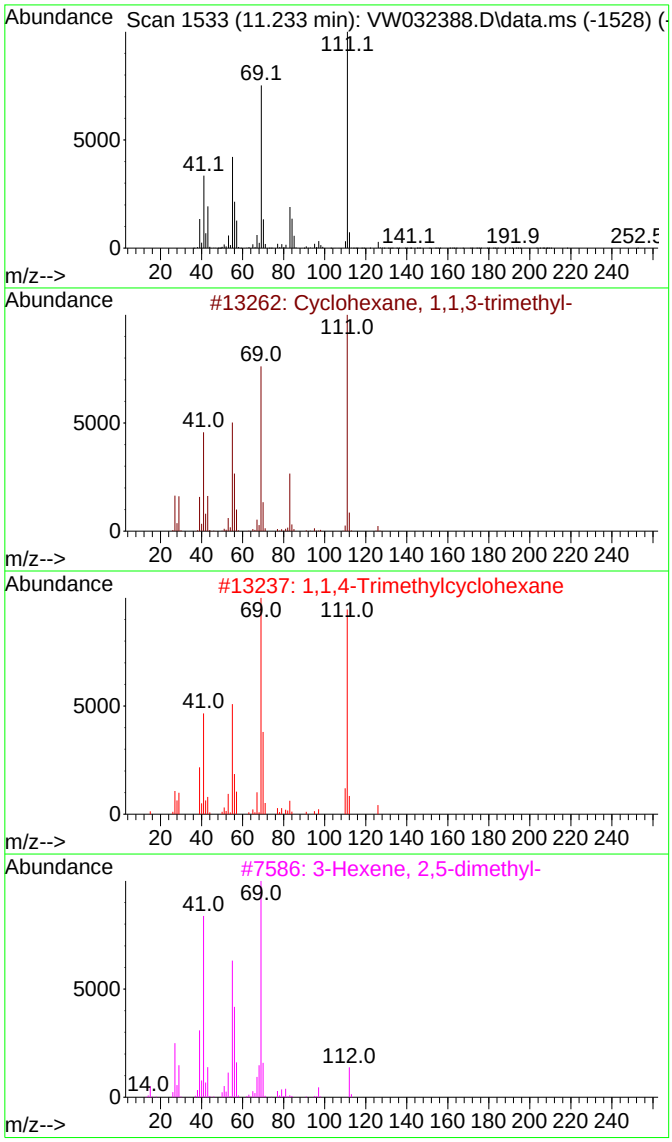
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Quant Title : SW846 8260

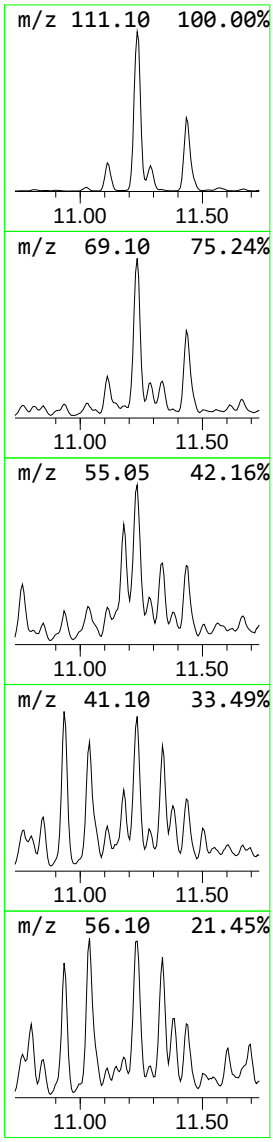
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	117.50 ug/l	4081780	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	50
3	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	49
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

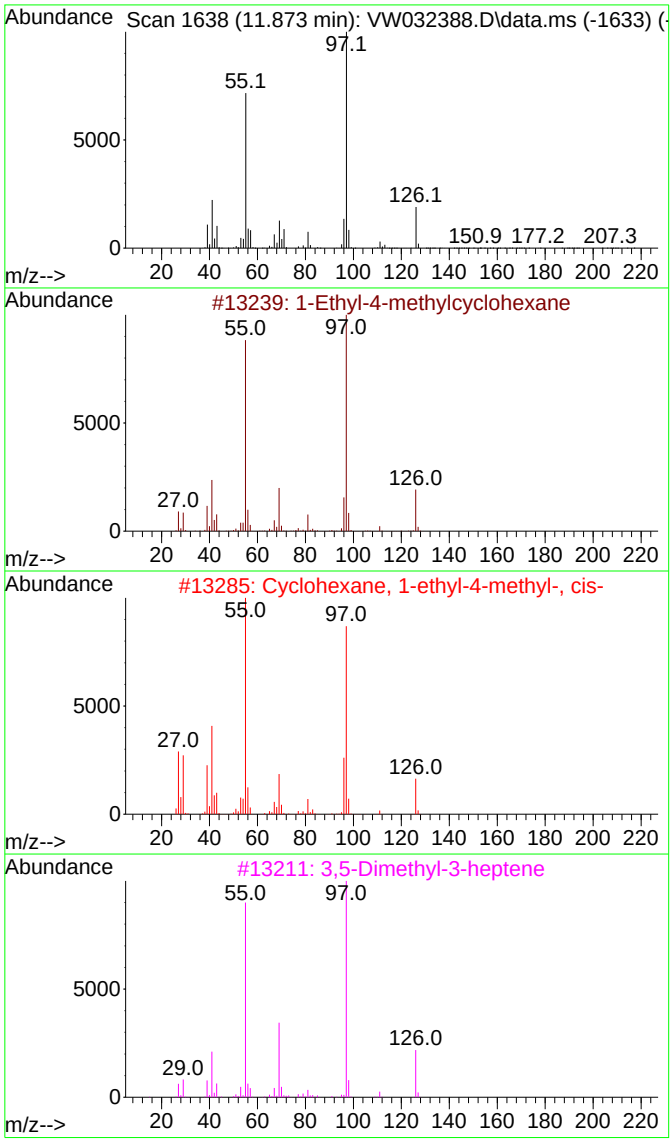
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Quant Title : SW846 8260

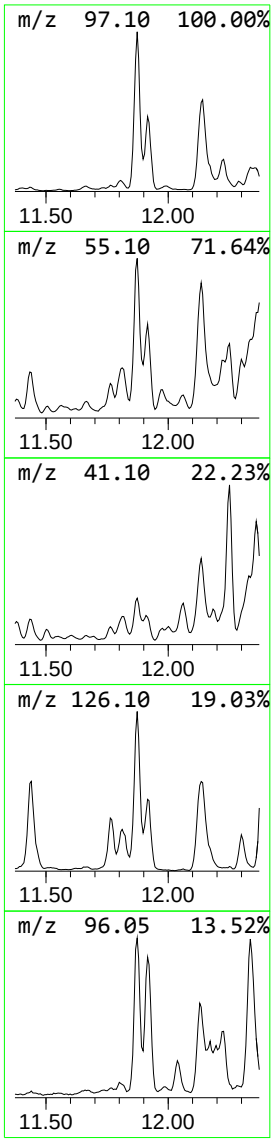
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1-Ethyl-4-methylcyclohexane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.873	89.68 ug/l	3115540	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	87
4	Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	80
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

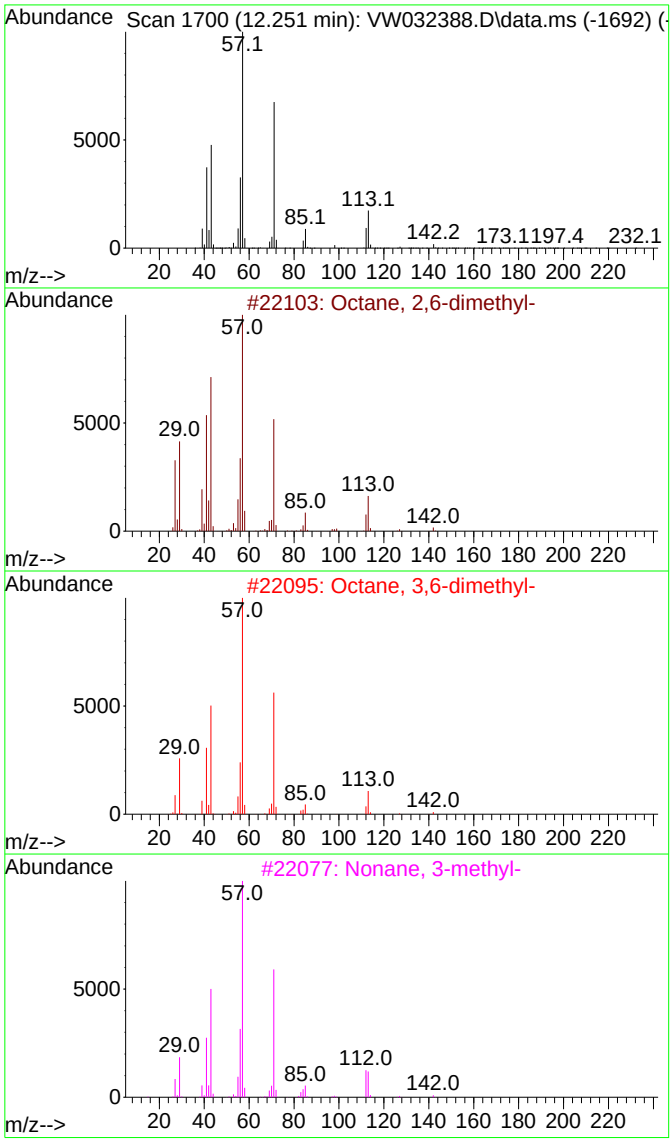
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Quant Title : SW846 8260

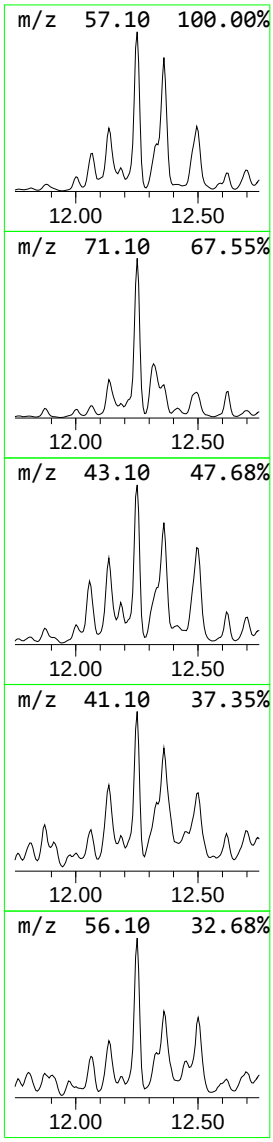
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	247.65 ug/l	8603240	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
5	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

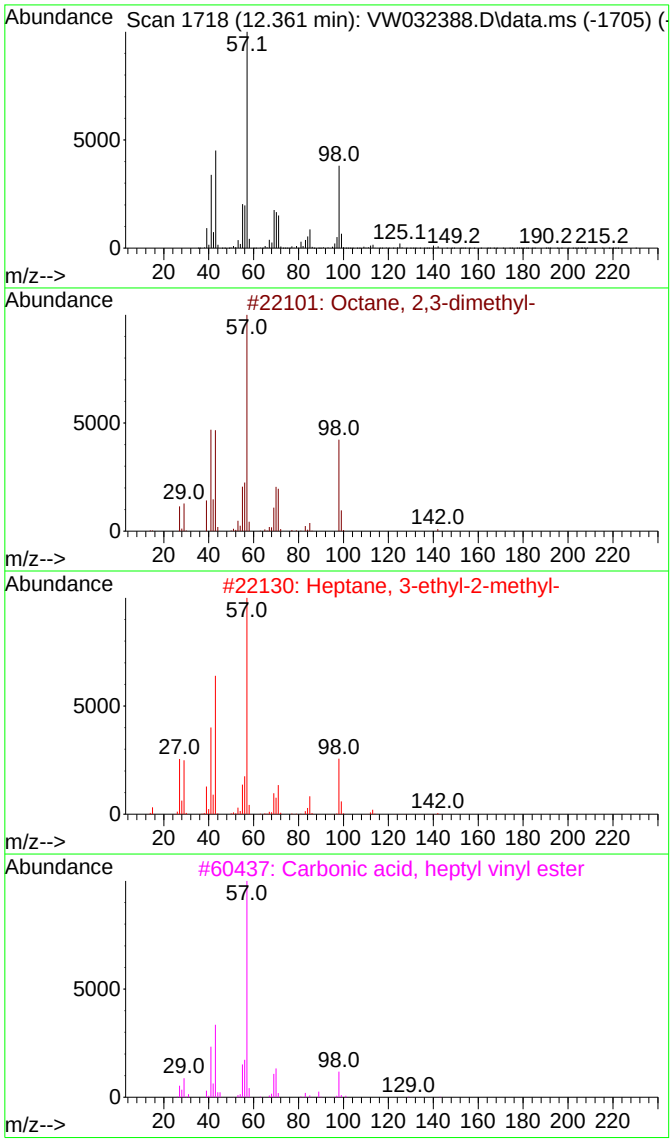
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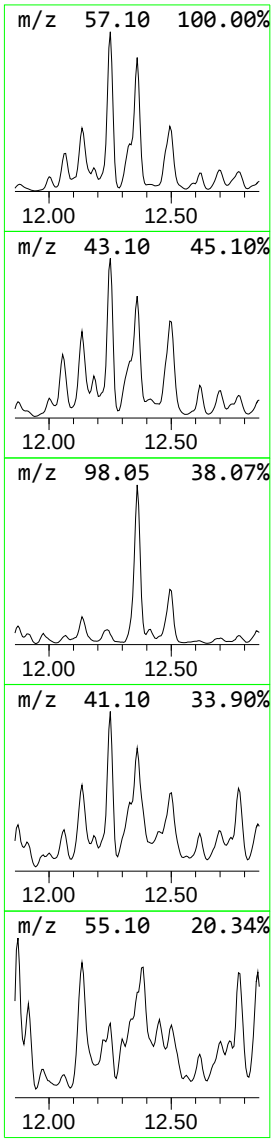
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Octane, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.361	430.99 ug/l	14972300	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	87
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	86
3	Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	64
4	Undecane, 6-methyl-	170	C12H26	017302-33-9	53
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

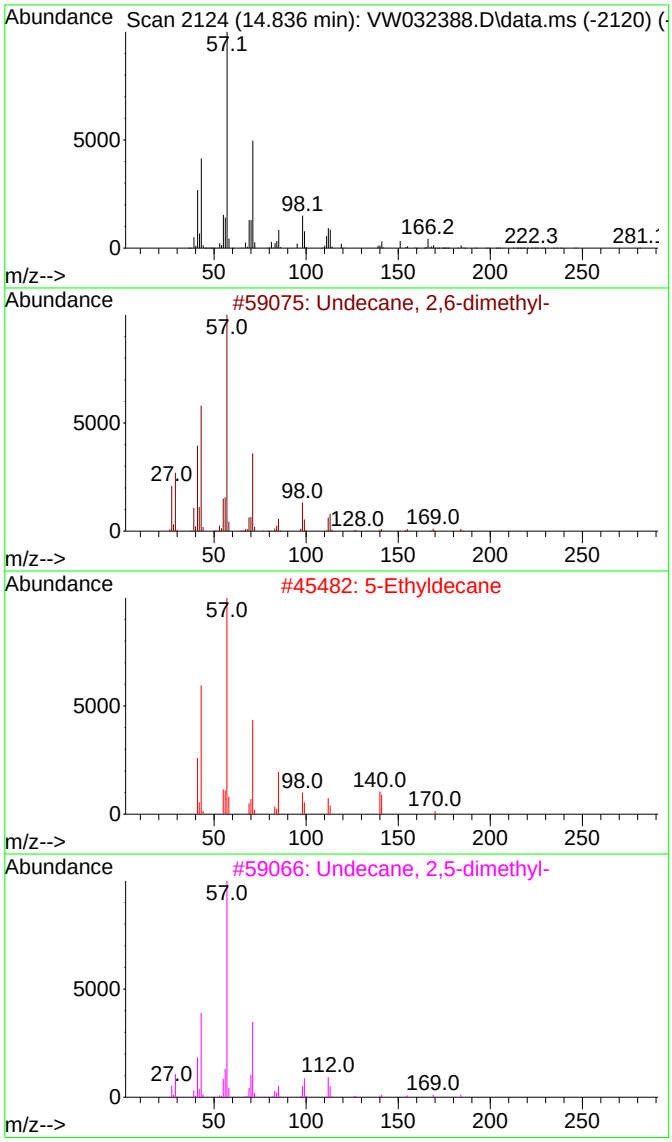
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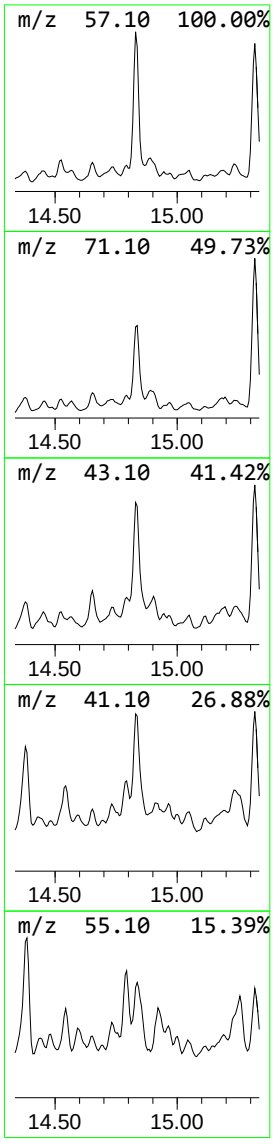
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	71.61 ug/l	10061800	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
2	5-Ethyldecane	170	C12H26	017302-36-2	64
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	64
4	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	59
5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	58





Sample Results: **VW032388.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Heptane, 2,6-di...	10.934	92.1	ug/l	3200540	3	11.629	1736950	50.0
Heptane, 2,5-di...	11.038	88.9	ug/l	3088470	3	11.629	1736950	50.0
Cyclohexane, 1,...	11.233	117.5	ug/l	4081780	3	11.629	1736950	50.0
1-Ethyl-4-methy...	11.873	89.7	ug/l	3115540	3	11.629	1736950	50.0
Octane, 2,6-dim...	12.251	247.7	ug/l	8603240	3	11.629	1736950	50.0
Octane, 2,3-dim...	12.361	431.0	ug/l	14972300	3	11.629	1736950	50.0
Undecane, 2,6-d...	14.836	71.6	ug/l	10061800	4	13.556	7025580	50.0

Raw Data: **VY023528.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 53.6
Sample Wt/Vol:	4.83 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	9.70	U	1	2.20	9.70	ug/Kg	10/21/25 12:14	VY102125
74-87-3	Chloromethane	9.70	U	1	2.20	9.70	ug/Kg	10/21/25 12:14	VY102125
75-01-4	Vinyl Chloride	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
74-83-9	Bromomethane	9.70	U	1	2.10	9.70	ug/Kg	10/21/25 12:14	VY102125
75-00-3	Chloroethane	9.70	U	1	2.40	9.70	ug/Kg	10/21/25 12:14	VY102125
75-69-4	Trichlorofluoromethane	9.70	U	1	2.30	9.70	ug/Kg	10/21/25 12:14	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	9.70	U	1	2.00	9.70	ug/Kg	10/21/25 12:14	VY102125
75-35-4	1,1-Dichloroethene	9.70	U	1	1.90	9.70	ug/Kg	10/21/25 12:14	VY102125
67-64-1	Acetone	140		1	9.20	48.3	ug/Kg	10/21/25 12:14	VY102125
75-15-0	Carbon Disulfide	6.90	J	1	2.00	9.70	ug/Kg	10/21/25 12:14	VY102125
1634-04-4	Methyl tert-butyl Ether	9.70	U	1	1.40	9.70	ug/Kg	10/21/25 12:14	VY102125
79-20-9	Methyl Acetate	9.70	U	1	3.00	9.70	ug/Kg	10/21/25 12:14	VY102125
75-09-2	Methylene Chloride	19.3	U	1	6.80	19.3	ug/Kg	10/21/25 12:14	VY102125
156-60-5	trans-1,2-Dichloroethene	9.70	U	1	1.70	9.70	ug/Kg	10/21/25 12:14	VY102125
75-34-3	1,1-Dichloroethane	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
110-82-7	Cyclohexane	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
78-93-3	2-Butanone	39.0	J	1	12.6	48.3	ug/Kg	10/21/25 12:14	VY102125
56-23-5	Carbon Tetrachloride	9.70	U	1	1.90	9.70	ug/Kg	10/21/25 12:14	VY102125
156-59-2	cis-1,2-Dichloroethene	9.70	U	1	1.40	9.70	ug/Kg	10/21/25 12:14	VY102125
74-97-5	Bromochloromethane	9.70	U	1	2.20	9.70	ug/Kg	10/21/25 12:14	VY102125
67-66-3	Chloroform	9.70	U	1	1.60	9.70	ug/Kg	10/21/25 12:14	VY102125
71-55-6	1,1,1-Trichloroethane	9.70	U	1	1.80	9.70	ug/Kg	10/21/25 12:14	VY102125
108-87-2	Methylcyclohexane	58.1		1	1.80	9.70	ug/Kg	10/21/25 12:14	VY102125
71-43-2	Benzene	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
107-06-2	1,2-Dichloroethane	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
79-01-6	Trichloroethene	9.70	U	1	1.60	9.70	ug/Kg	10/21/25 12:14	VY102125
78-87-5	1,2-Dichloropropane	9.70	U	1	1.80	9.70	ug/Kg	10/21/25 12:14	VY102125
75-27-4	Bromodichloromethane	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
108-10-1	4-Methyl-2-Pentanone	48.3	U	1	6.90	48.3	ug/Kg	10/21/25 12:14	VY102125
108-88-3	Toluene	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
10061-02-6	t-1,3-Dichloropropene	9.70	U	1	1.30	9.70	ug/Kg	10/21/25 12:14	VY102125
10061-01-5	cis-1,3-Dichloropropene	9.70	U	1	1.20	9.70	ug/Kg	10/21/25 12:14	VY102125
79-00-5	1,1,2-Trichloroethane	9.70	U	1	1.80	9.70	ug/Kg	10/21/25 12:14	VY102125
591-78-6	2-Hexanone	48.3	U	1	7.10	48.3	ug/Kg	10/21/25 12:14	VY102125
124-48-1	Dibromochloromethane	9.70	U	1	1.70	9.70	ug/Kg	10/21/25 12:14	VY102125
106-93-4	1,2-Dibromoethane	9.70	U	1	1.70	9.70	ug/Kg	10/21/25 12:14	VY102125
127-18-4	Tetrachloroethene	9.70	U	1	2.00	9.70	ug/Kg	10/21/25 12:14	VY102125
108-90-7	Chlorobenzene	9.70	U	1	1.80	9.70	ug/Kg	10/21/25 12:14	VY102125
100-41-4	Ethyl Benzene	9.70	U	1	1.30	9.70	ug/Kg	10/21/25 12:14	VY102125
179601-23-1	m/p-Xylenes	19.3	U	1	2.40	19.3	ug/Kg	10/21/25 12:14	VY102125
95-47-6	o-Xylene	9.70	U	1	1.60	9.70	ug/Kg	10/21/25 12:14	VY102125
100-42-5	Styrene	9.70	U	1	1.40	9.70	ug/Kg	10/21/25 12:14	VY102125
75-25-2	Bromoform	9.70	U	1	1.70	9.70	ug/Kg	10/21/25 12:14	VY102125

Raw Data: **VY023528.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 53.6
Sample Wt/Vol:	4.83 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	9.70	U	1	1.50	9.70	ug/Kg	10/21/25 12:14	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	9.70	U	1	2.30	9.70	ug/Kg	10/21/25 12:14	VY102125
541-73-1	1,3-Dichlorobenzene	9.70	U	1	3.30	9.70	ug/Kg	10/21/25 12:14	VY102125
106-46-7	1,4-Dichlorobenzene	9.70	U	1	3.00	9.70	ug/Kg	10/21/25 12:14	VY102125
95-50-1	1,2-Dichlorobenzene	9.70	U	1	2.80	9.70	ug/Kg	10/21/25 12:14	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	9.70	U	1	3.60	9.70	ug/Kg	10/21/25 12:14	VY102125
120-82-1	1,2,4-Trichlorobenzene	9.70	U	1	5.70	9.70	ug/Kg	10/21/25 12:14	VY102125
87-61-6	1,2,3-Trichlorobenzene	9.70	U	1	6.10	9.70	ug/Kg	10/21/25 12:14	VY102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.2			63 - 155	114%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.6			70 - 134	103%	SPK: 50		
2037-26-5	Toluene-d8	52.8			74 - 123	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.1			17 - 146	94%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	663000							
540-36-3	1,4-Difluorobenzene	1120000							
3114-55-4	Chlorobenzene-d5	942000							
3855-82-1	1,4-Dichlorobenzene-d4	360000							
TENTATIVE IDENTIFIED COMPOUNDS									
108-67-8	1,3,5-Trimethylbenzene	9.00	J			12.7	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	6.10	J			13.0	ug/Kg		
000493-02-7	Naphthalene, decahydro-, trans-	160	J			13.7	ug/Kg		
002958-76-1	Naphthalene, decahydro-2-methyl-	200	J			14.2	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	160	J			14.6	ug/Kg		

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

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

Sample Results: **VY023528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023528.D
Acq On : 21 Oct 2025 12:14
Operator : SY/MD
Sample : Q3376-02
Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

Quant Time: Oct 24 01:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

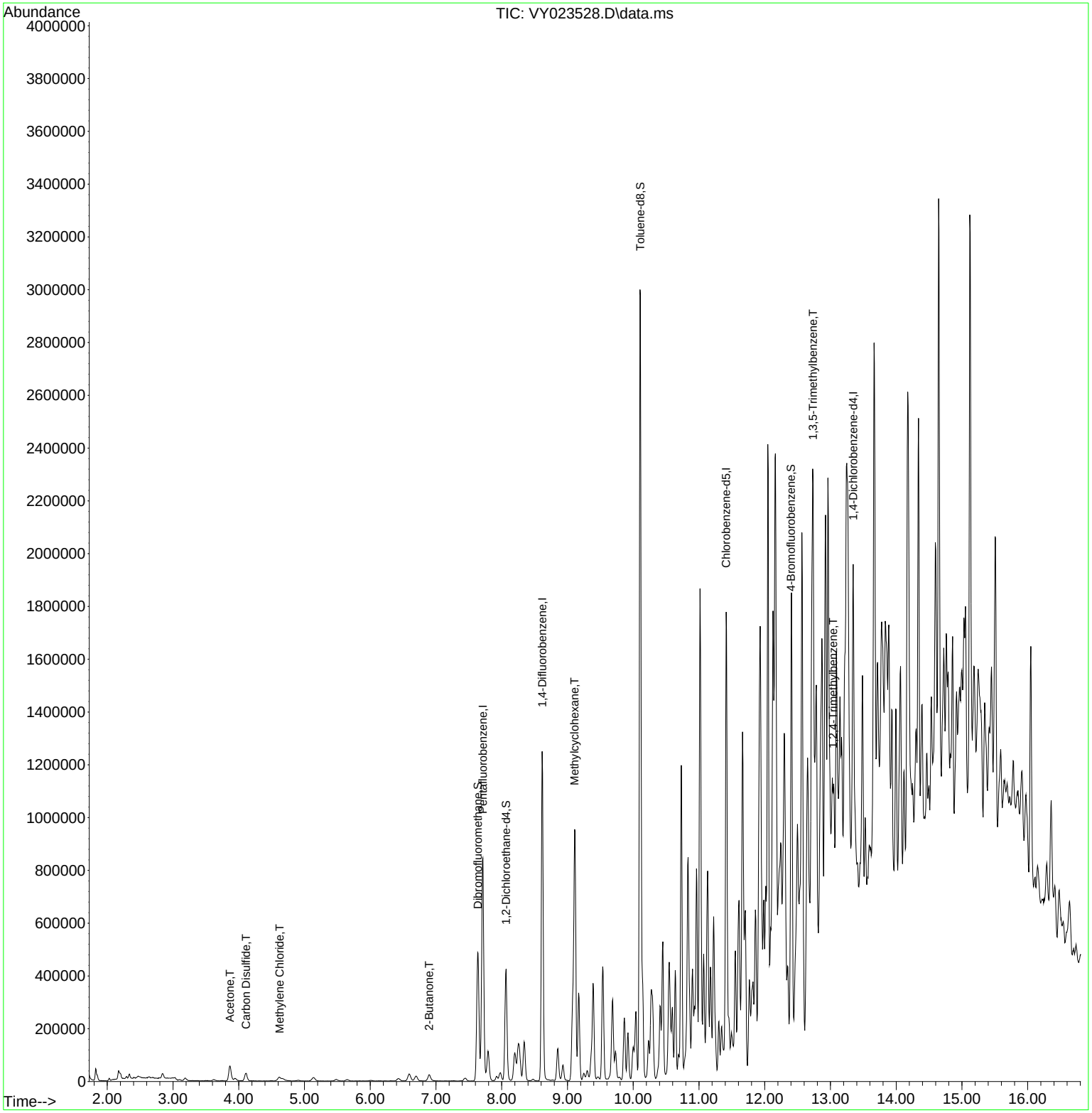
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	663057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1122781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	941880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	360030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	317175	57.204	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.400%			
35) Dibromofluoromethane	7.640	113	356259	51.640	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.280%			
50) Toluene-d8	10.109	98	1357609	52.841	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.680%			
62) 4-Bromofluorobenzene	12.401	95	399162	47.058	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.120%			
Target Compounds						Qvalue
16) Acetone	3.866	43	94876	71.876	ug/l	98
17) Carbon Disulfide	4.110	76	60486	3.573	ug/l	98
20) Methylene Chloride	4.622	84	8719	1.222	ug/l	92
25) 2-Butanone	6.896	43	32532	20.187	ug/l	92
39) Methylcyclohexane	9.109	83	358027	30.107	ug/l	93
80) 1,3,5-Trimethylbenzene	12.736	105	88896	4.637	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	60889	3.182	ug/l	99

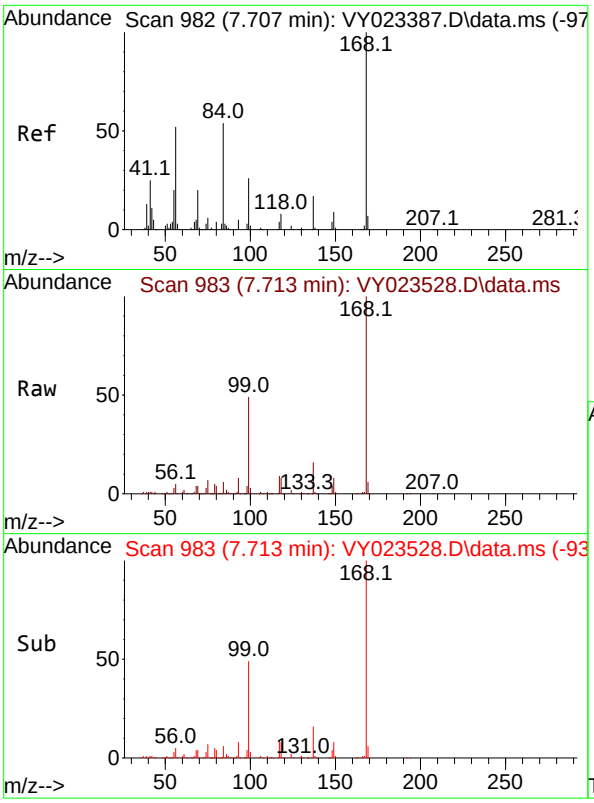
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023528.D
Acq On : 21 Oct 2025 12:14
Operator : SY/MD
Sample : Q3376-02
Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

Quant Time: Oct 24 01:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



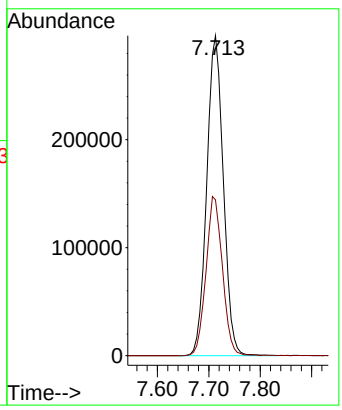


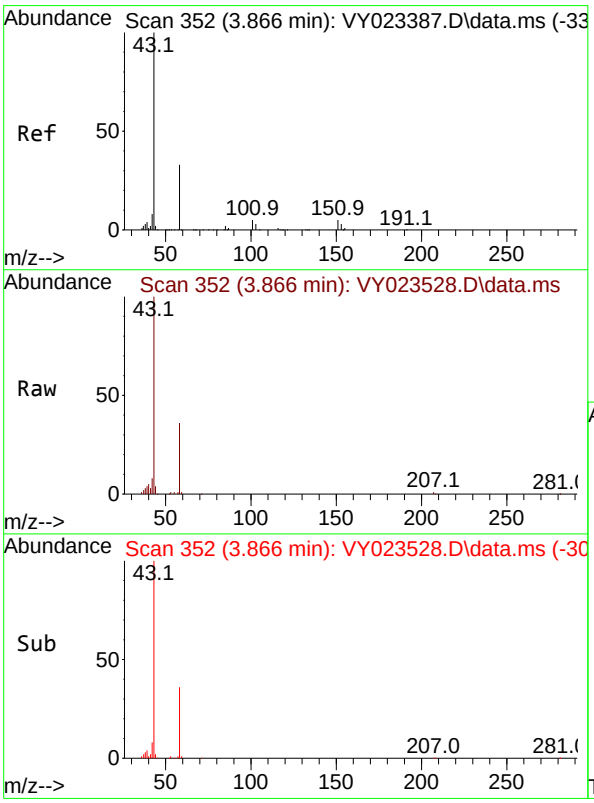
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

Tgt Ion:168 Resp: 663057

Ion	Ratio	Lower	Upper
168	100		
99	48.7	39.7	59.5

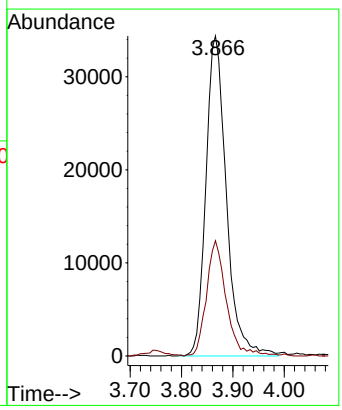


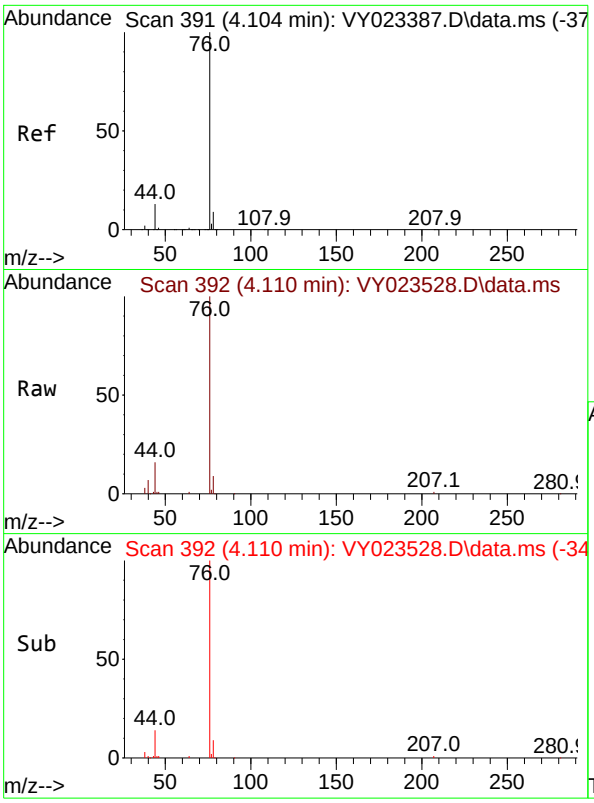


#16
Acetone
Concen: 71.876 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Tgt Ion: 43 Resp: 94876

Ion	Ratio	Lower	Upper
43	100		
58	35.7	27.7	41.5



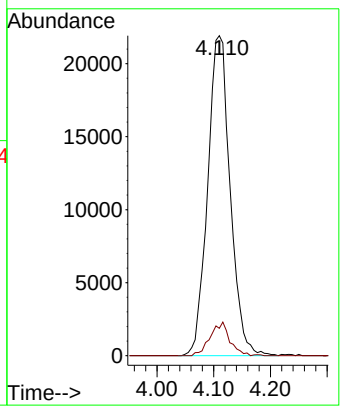


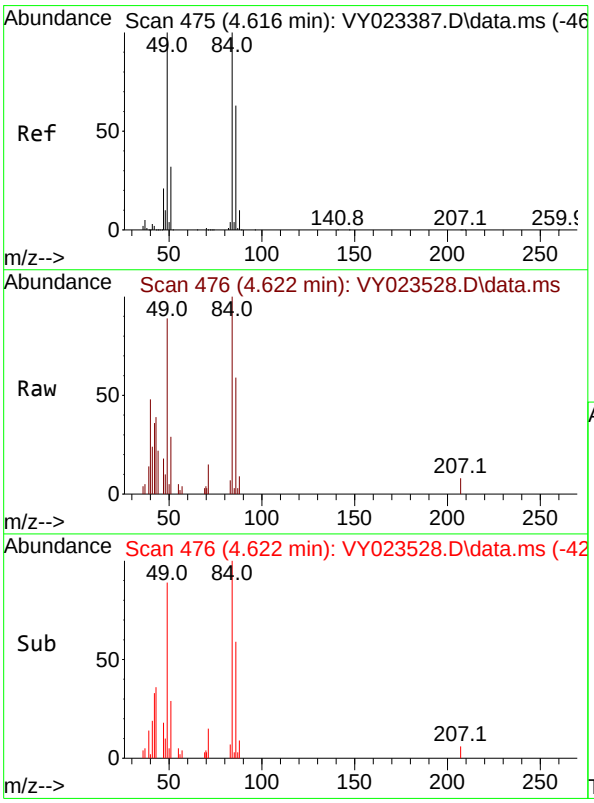
#17
Carbon Disulfide
Concen: 3.573 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

Tgt Ion: 76 Resp: 60486

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.3	10.9

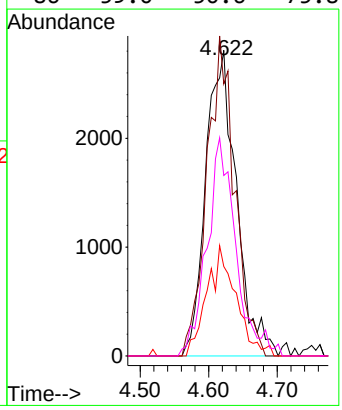


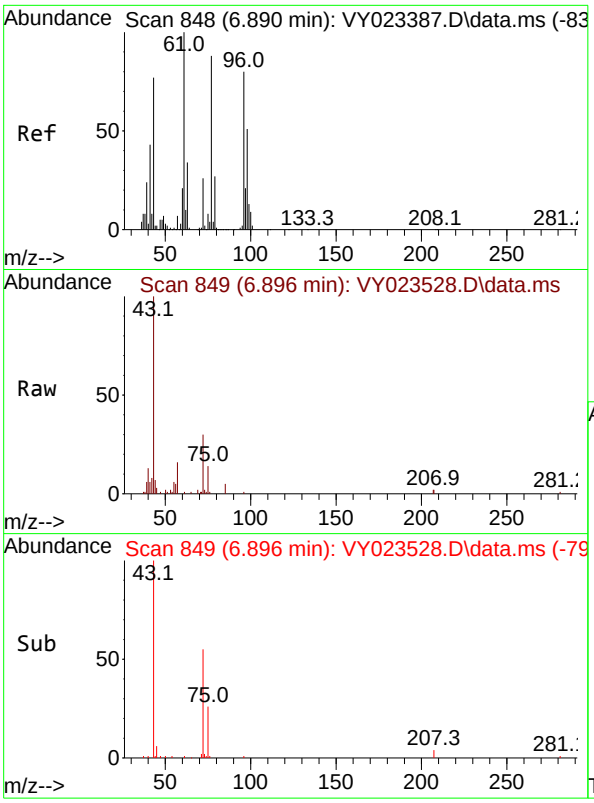


#20
Methylene Chloride
Concen: 1.222 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Tgt Ion: 84 Resp: 8719

Ion	Ratio	Lower	Upper
84	100		
49	89.0	80.2	120.4
51	29.3	25.9	38.9
86	59.0	50.6	75.8



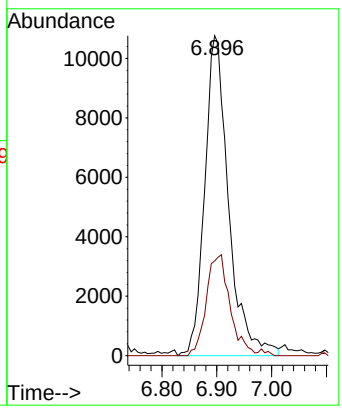


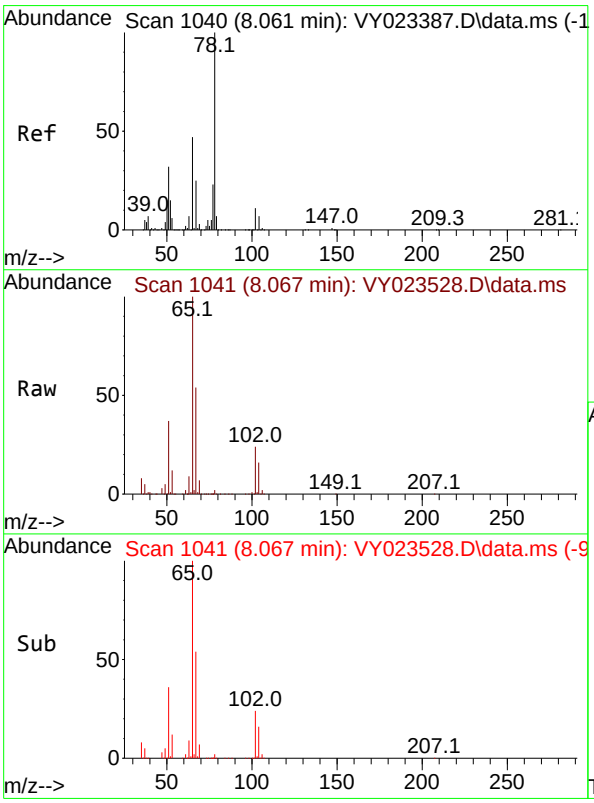
#25
2-Butanone
Concen: 20.187 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

Tgt Ion: 43 Resp: 32532

Ion	Ratio	Lower	Upper
43	100		
72	29.6	27.4	41.2

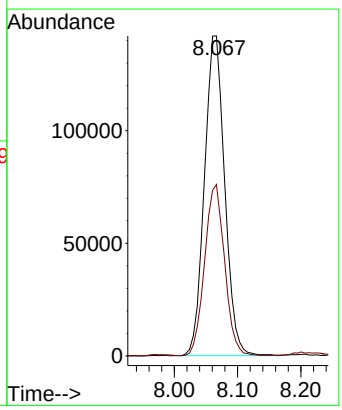


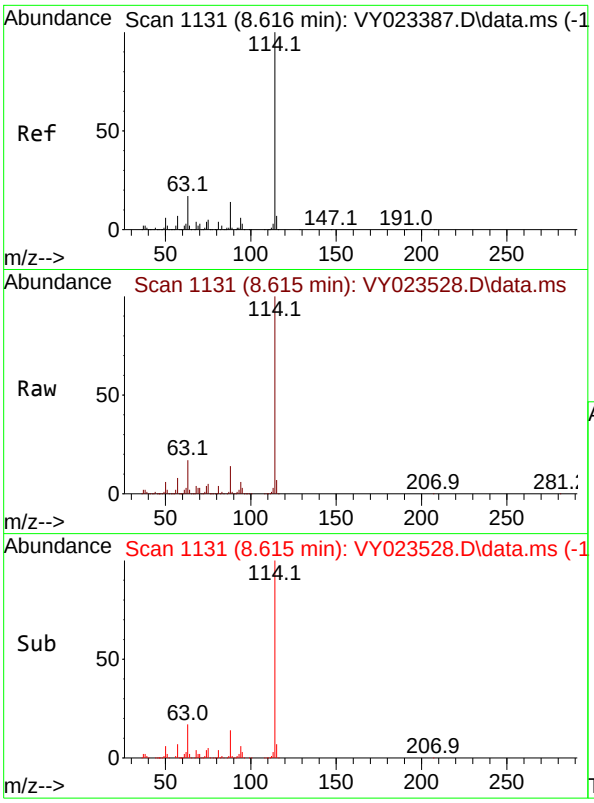


#33
1,2-Dichloroethane-d4
Concen: 57.204 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Tgt Ion: 65 Resp: 317175

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	105.8



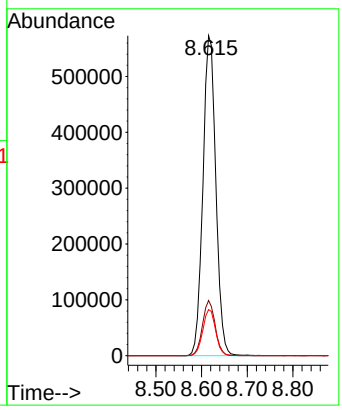


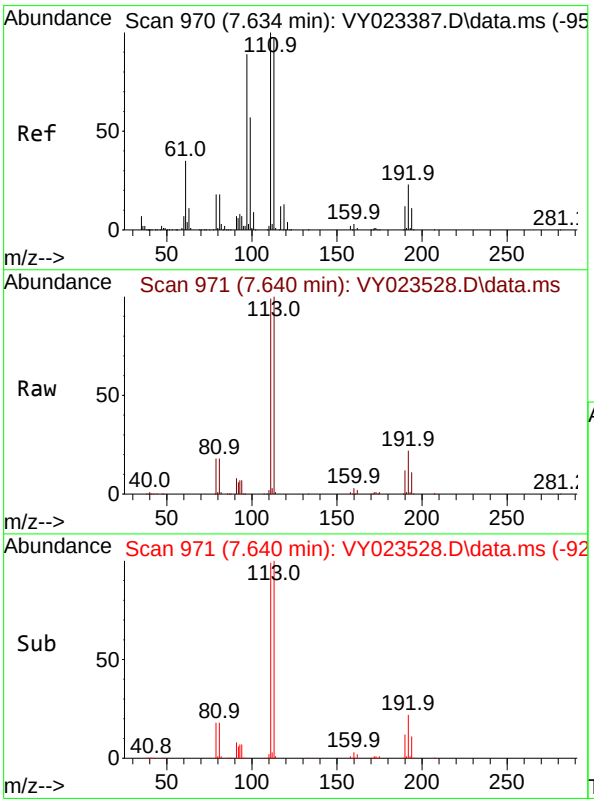
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

Tgt Ion:114 Resp: 1122781

Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	34.2
88	14.4	0.0	28.4

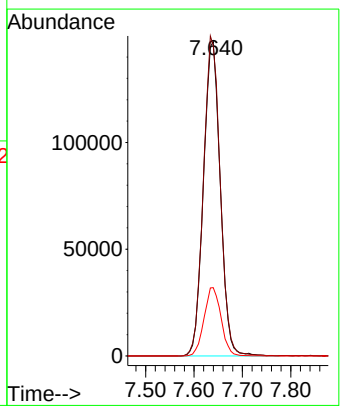


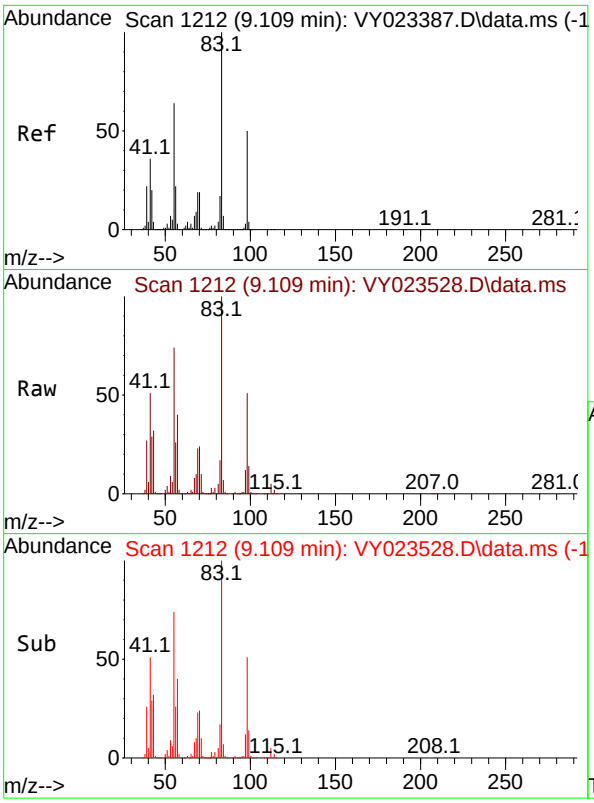


#35
Dibromofluoromethane
Concen: 51.640 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Tgt Ion:113 Resp: 356259

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.6
192	21.9	18.0	27.0



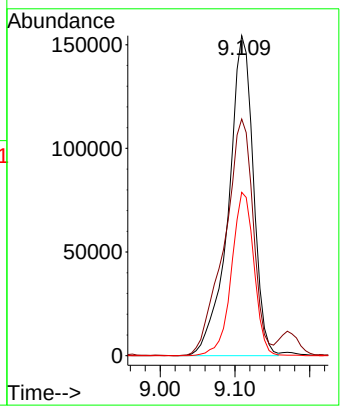


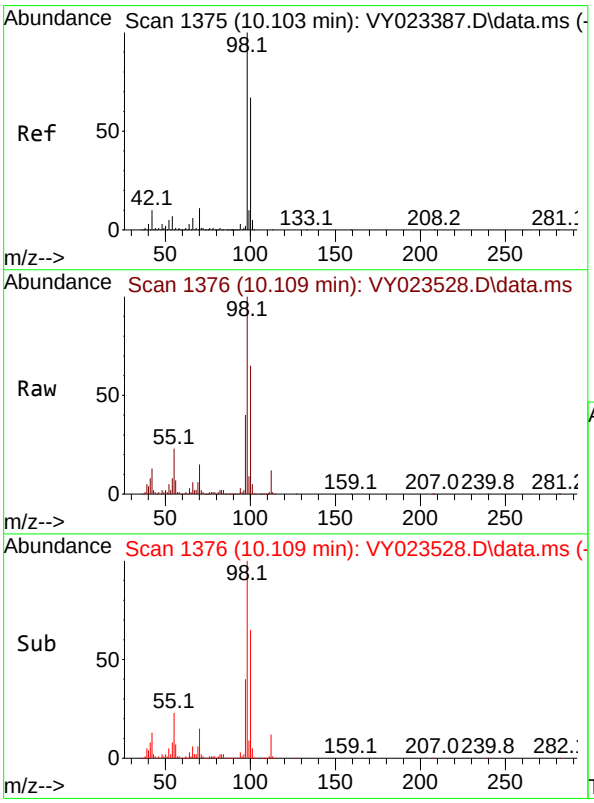
#39
Methylcyclohexane
Concen: 30.107 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

Tgt Ion: 83 Resp: 358027

Ion	Ratio	Lower	Upper
83	100		
55	73.9	51.4	77.2
98	51.1	40.4	60.6

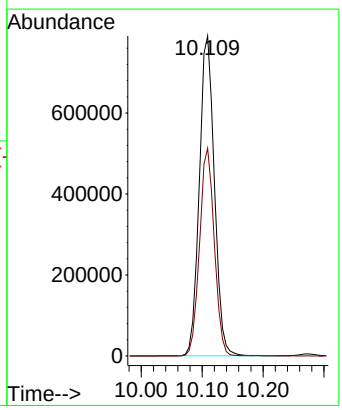


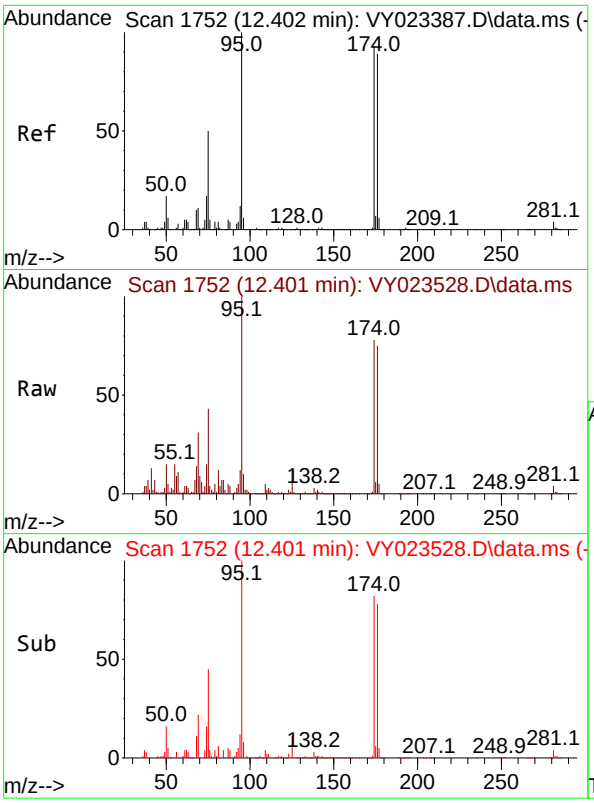


#50
Toluene-d8
Concen: 52.841 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Tgt Ion: 98 Resp: 1357609

Ion	Ratio	Lower	Upper
98	100		
100	63.5	53.0	79.4



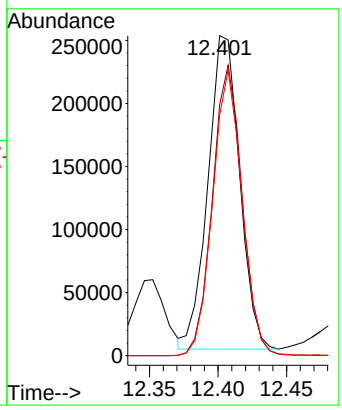


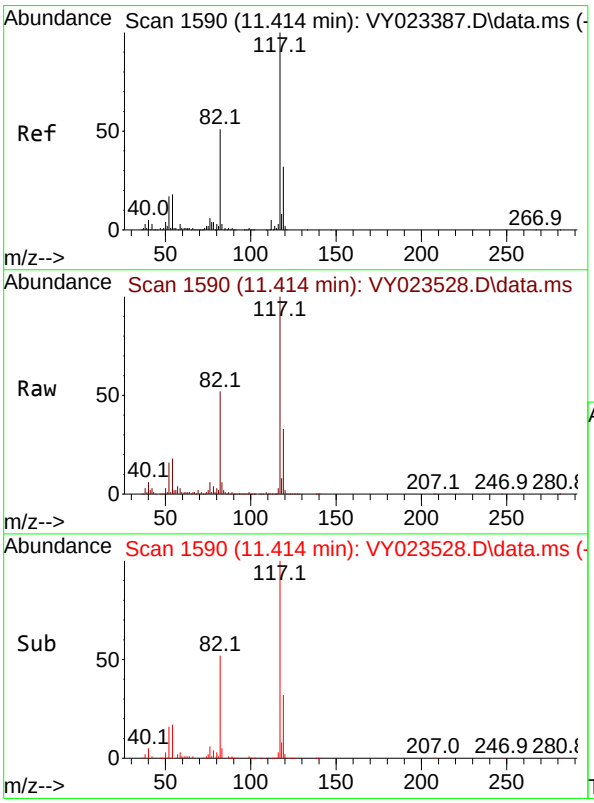
#62
4-Bromofluorobenzene
Concen: 47.058 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

Tgt Ion: 95 Resp: 399162

Ion	Ratio	Lower	Upper
95	100		
174	87.5	0.0	192.8
176	84.8	0.0	187.6

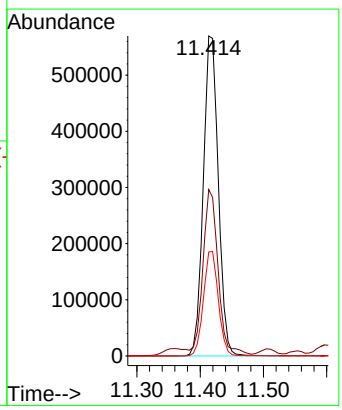


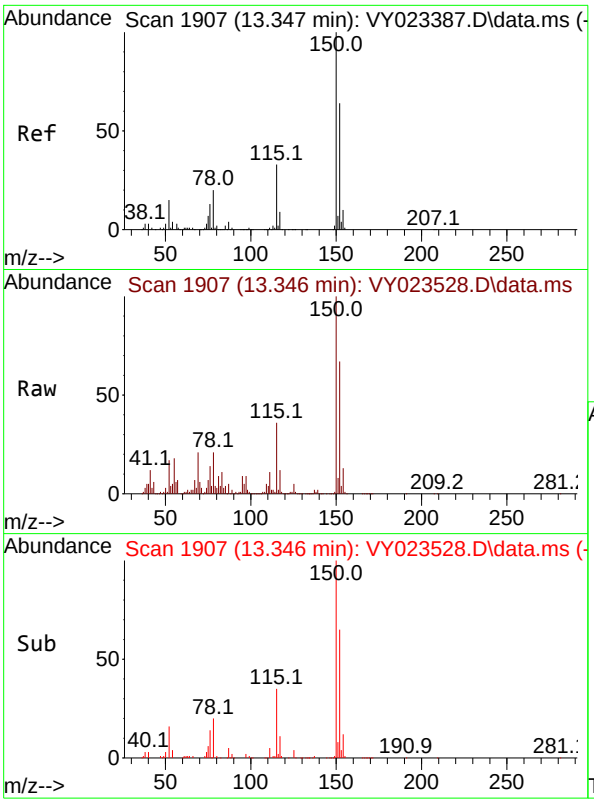


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Tgt Ion:117 Resp: 941880

Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.0	61.4
119	32.5	25.6	38.4



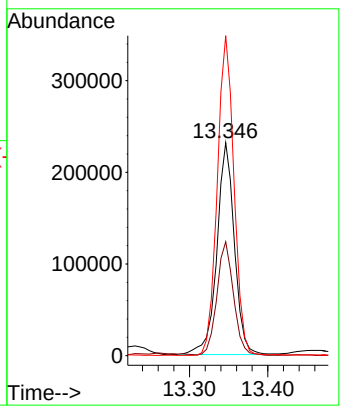


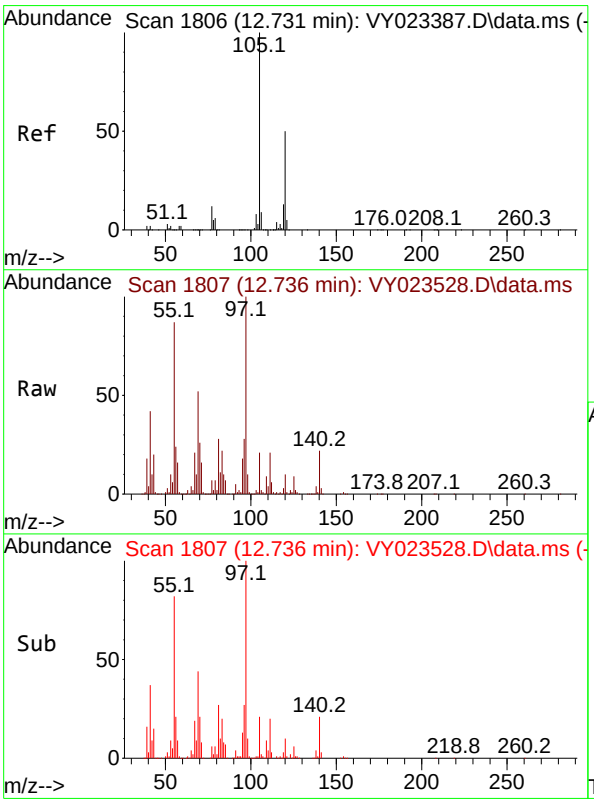
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

Tgt Ion:152 Resp: 360030

Ion	Ratio	Lower	Upper
152	100		
115	50.7	27.1	81.2
150	143.8	0.0	347.4

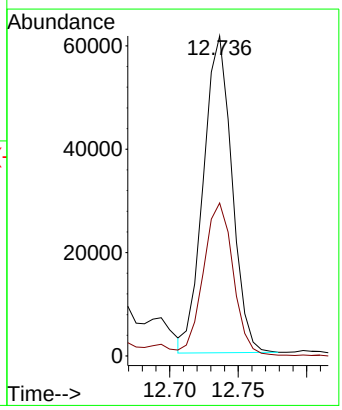


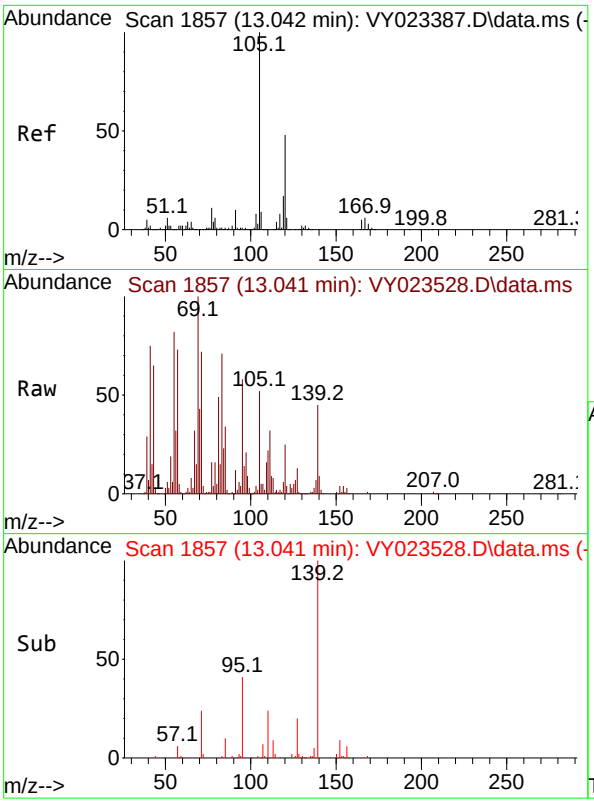


#80
1,3,5-Trimethylbenzene
Concen: 4.637 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Tgt Ion:105 Resp: 88896

Ion	Ratio	Lower	Upper
105	100		
120	50.3	25.4	76.4



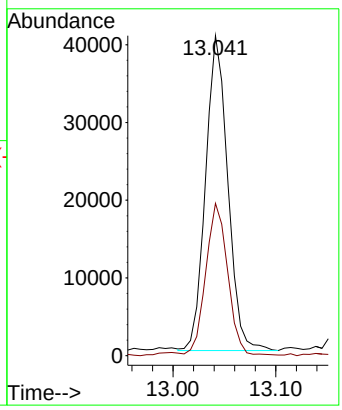


#84
1,2,4-Trimethylbenzene
Concen: 3.182 ug/l
RT: 13.041 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

Tgt Ion:105 Resp: 60889

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.8	71.2



Sample Results: **VY023528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023528.D
Acq On : 21 Oct 2025 12:14
Operator : SY/MD
Sample : Q3376-02
Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260

Signal : TIC: VY023528.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	26	rVB2	45063	85625	1.46%	0.066%
2	2.171	69	74	84	rBV2	31493	84035	1.43%	0.065%
3	3.866	340	352	361	rBV	56615	155136	2.64%	0.120%
4	4.116	383	393	403	rVB	28750	79404	1.35%	0.061%
5	6.591	788	799	809	rBV3	26468	85098	1.45%	0.066%
6	6.896	840	849	863	rBV3	23648	73019	1.24%	0.056%
7	7.634	959	970	976	rBV	487397	1183245	20.13%	0.916%
8	7.713	976	983	990	rVV	844679	1954401	33.25%	1.512%
9	7.792	990	996	1007	rVV	112790	288777	4.91%	0.223%
10	7.981	1021	1027	1033	rVV3	30988	80620	1.37%	0.062%
11	8.067	1033	1041	1052	rVV	423338	940765	16.00%	0.728%
12	8.201	1054	1063	1067	rVV3	105683	281241	4.78%	0.218%
13	8.256	1067	1072	1080	rVV3	140849	432599	7.36%	0.335%
14	8.341	1080	1086	1099	rVB	147298	338448	5.76%	0.262%
15	8.615	1123	1131	1144	rBV	1247960	2434390	41.42%	1.884%
16	8.853	1162	1170	1177	rBV	119797	260386	4.43%	0.201%
17	8.932	1177	1183	1190	rVB	57548	117992	2.01%	0.091%
18	9.109	1198	1212	1218	rBV3	952253	2540161	43.22%	1.965%
19	9.170	1218	1222	1230	rVV	330104	621541	10.57%	0.481%
20	9.298	1239	1243	1248	rVV3	33174	68166	1.16%	0.053%
21	9.390	1248	1258	1266	rVB2	361847	830906	14.14%	0.643%
22	9.536	1275	1282	1291	rVB2	426290	866339	14.74%	0.670%
23	9.688	1295	1307	1311	rBV2	301425	647912	11.02%	0.501%
24	9.731	1311	1314	1322	rVB2	99472	171433	2.92%	0.133%
25	9.865	1329	1336	1341	rBV	234883	461834	7.86%	0.357%
26	9.920	1341	1345	1352	rVB	174773	301091	5.12%	0.233%
27	9.999	1352	1358	1360	rBV3	120327	217208	3.70%	0.168%
28	10.042	1360	1365	1369	rVB2	229254	417221	7.10%	0.323%
29	10.103	1369	1375	1389	rVB	2985313	5877955	100.00%	4.548%
30	10.231	1389	1396	1399	rBV2	139330	256547	4.36%	0.198%
31	10.274	1399	1403	1414	rVB4	336397	983258	16.73%	0.761%
32	10.408	1414	1425	1428	rBV	274921	558990	9.51%	0.433%
33	10.450	1428	1432	1439	rVB	502448	835180	14.21%	0.646%
34	10.548	1440	1448	1453	rBV3	424147	990128	16.84%	0.766%
35	10.597	1453	1456	1459	rVB	190573	245564	4.18%	0.190%
36	10.639	1459	1463	1468	rVB	375521	570209	9.70%	0.441%

Sample Results: **VY023528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023528.D
Acq On : 21 Oct 2025 12:14
Operator : SY/MD
Sample : Q3376-02
Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260

37	10.688	1468	1471	1473	rBV	56201	76724	1.31%	0.059%
38	10.731	1473	1478	1484	rVB	1147308	1806114	30.73%	1.397%
39	10.834	1484	1495	1502	rBV	798685	1834883	31.22%	1.420%
40	10.901	1502	1506	1509	rBV3	301152	474929	8.08%	0.367%
41	10.962	1512	1516	1520	rVV	629436	939428	15.98%	0.727%
42	11.017	1520	1525	1531	rVV	1681406	2796542	47.58%	2.164%
43	11.072	1531	1534	1538	rVB	336023	428828	7.30%	0.332%
44	11.133	1538	1544	1548	rBV2	651345	1192195	20.28%	0.922%
45	11.176	1548	1551	1555	rVB	268940	352506	6.00%	0.273%
46	11.225	1555	1559	1567	rVB	580594	1112963	18.93%	0.861%
47	11.304	1567	1572	1575	rBV2	183173	294318	5.01%	0.228%
48	11.346	1575	1579	1584	rBV5	108461	176534	3.00%	0.137%
49	11.414	1584	1590	1596	rBV	1660086	2823357	48.03%	2.184%
50	11.493	1600	1603	1608	rBV2	58481	83414	1.42%	0.065%
51	11.554	1608	1613	1616	rBV	361963	531158	9.04%	0.411%
52	11.609	1616	1622	1626	rBV4	500570	964378	16.41%	0.746%
53	11.663	1626	1631	1635	rBV	1054413	1822720	31.01%	1.410%
54	11.706	1635	1638	1643	rVB2	589007	931165	15.84%	0.720%
55	11.767	1643	1648	1651	rBV2	326469	595327	10.13%	0.461%
56	11.822	1651	1657	1659	rBV2	130707	247716	4.21%	0.192%
57	11.859	1659	1663	1667	rVB3	421613	632877	10.77%	0.490%
58	11.932	1667	1675	1681	rBV3	1495515	3742928	63.68%	2.896%
59	11.987	1681	1684	1686	rVV	355226	486920	8.28%	0.377%
60	12.017	1686	1689	1690	rVV2	403780	490435	8.34%	0.379%
61	12.048	1690	1694	1698	rVV	2070518	3041554	51.75%	2.353%
62	12.127	1698	1707	1709	rVV3	1429350	2742933	46.66%	2.122%
63	12.163	1709	1713	1718	rVV3	2017115	4061098	69.09%	3.142%
64	12.243	1718	1726	1729	rVV6	532491	1684091	28.65%	1.303%
65	12.298	1730	1735	1741	rVB6	935611	2044838	34.79%	1.582%
66	12.407	1747	1753	1759	rBV3	1635247	2793143	47.52%	2.161%
67	12.499	1759	1768	1772	rBV5	740848	2001715	34.05%	1.549%
68	12.566	1775	1779	1786	rVB2	1886500	3391575	57.70%	2.624%
69	12.651	1786	1793	1799	rBV6	1033240	2840550	48.33%	2.198%
70	12.730	1799	1806	1811	rBV3	1644814	4072730	69.29%	3.151%
71	12.871	1820	1829	1833	rBV4	1115543	2831945	48.18%	2.191%
72	12.925	1833	1838	1841	rVV3	1393134	2464830	41.93%	1.907%
73	12.962	1841	1844	1851	rVB3	1375534	2383420	40.55%	1.844%
74	13.090	1861	1865	1870	rBV2	743841	1216027	20.69%	0.941%
75	13.145	1871	1874	1876	rBV2	376462	433131	7.37%	0.335%
76	13.249	1882	1891	1901	rVV8	1462618	5271878	89.69%	4.079%

Sample Results: **VY023528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023528.D
Acq On : 21 Oct 2025 12:14
Operator : SY/MD
Sample : Q3376-02
Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260

77	13.346	1902	1907	1916	rVB	1134928	2069969	35.22%	1.602%
78	13.486	1926	1930	1934	rVB3	761873	1092298	18.58%	0.845%
79	13.529	1934	1937	1941	rVB5	254292	317227	5.40%	0.245%
80	13.663	1954	1959	1964	rBV4	1864102	3411833	58.04%	2.640%
81	13.718	1965	1968	1972	rVB4	443132	652825	11.11%	0.505%
82	13.779	1974	1978	1984	rVV7	463908	1130157	19.23%	0.874%
83	13.931	2001	2003	2009	rVB	609842	810030	13.78%	0.627%
84	13.992	2009	2013	2018	rBV4	612465	930372	15.83%	0.720%
85	14.066	2018	2025	2030	rBV6	772571	1613280	27.45%	1.248%
86	14.120	2030	2034	2037	rBV5	352207	522106	8.88%	0.404%
87	14.175	2038	2043	2054	rBV5	1726856	4291453	73.01%	3.320%
88	14.340	2066	2070	2074	rVB2	1430601	1974295	33.59%	1.528%
89	14.468	2088	2091	2093	rBV4	205796	240847	4.10%	0.186%
90	14.535	2099	2102	2105	rBV4	382875	545031	9.27%	0.422%
91	14.596	2108	2112	2116	rVV2	931256	1750431	29.78%	1.354%
92	14.645	2116	2120	2127	rVB2	2197278	3491291	59.40%	2.701%
93	14.761	2137	2139	2142	rBV2	347643	432090	7.35%	0.334%
94	14.858	2152	2155	2159	rVB4	671415	901985	15.35%	0.698%
95	15.120	2194	2198	2204	rBV	2125584	3292441	56.01%	2.547%
96	15.346	2231	2235	2242	rBV6	433497	1025864	17.45%	0.794%
97	15.504	2257	2261	2267	rVB3	1100938	2036724	34.65%	1.576%
98	16.047	2345	2350	2357	rVB	910595	1581271	26.90%	1.223%
99	16.358	2396	2401	2407	rBV3	371889	681078	11.59%	0.527%

Sum of corrected areas: 129245539

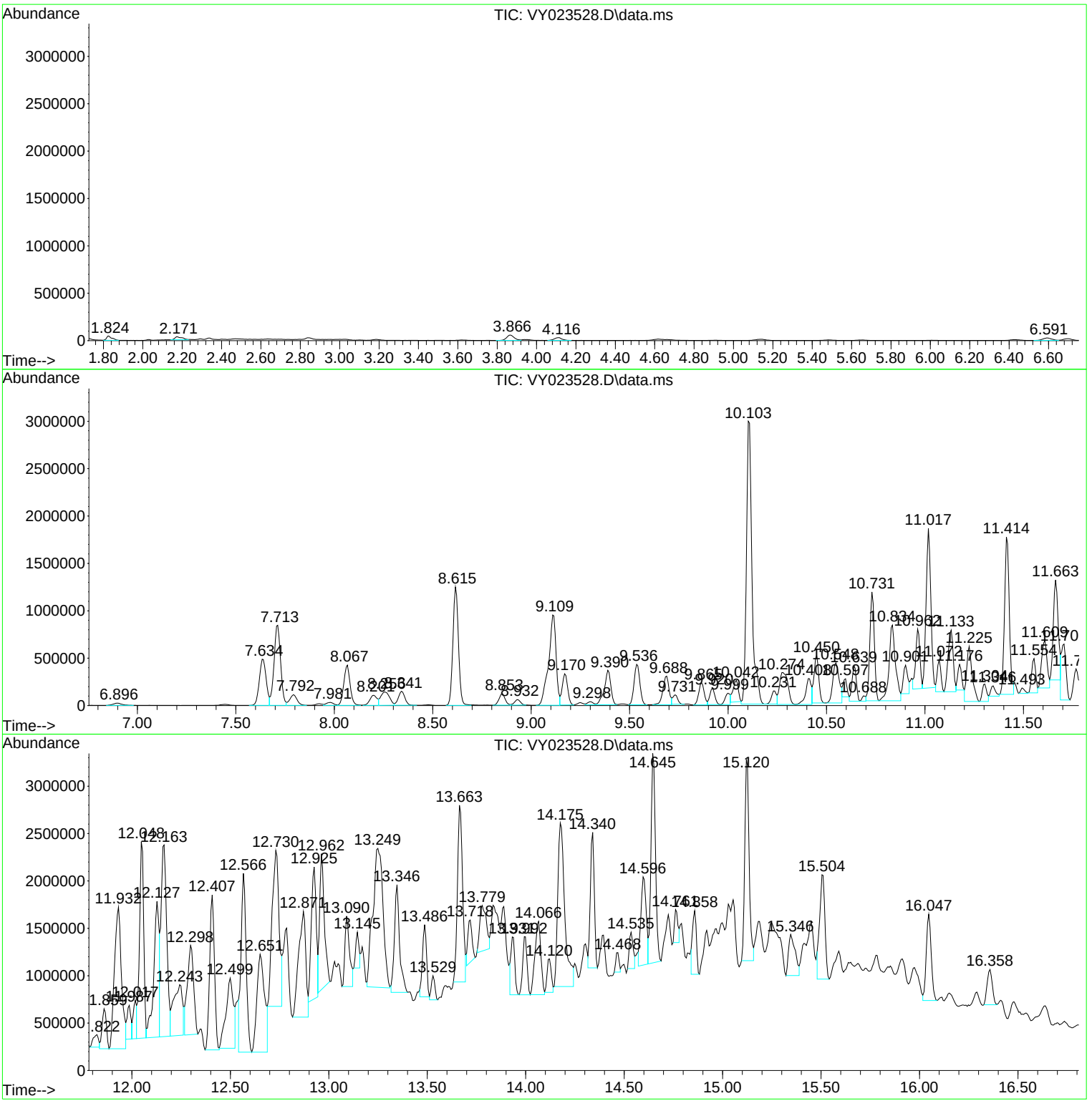
Sample Results: **VY023528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023528.D
Acq On : 21 Oct 2025 12:14
Operator : SY/MD
Sample : Q3376-02
Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023528.D
Acq On : 21 Oct 2025 12:14
Operator : SY/MD
Sample : Q3376-02
Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

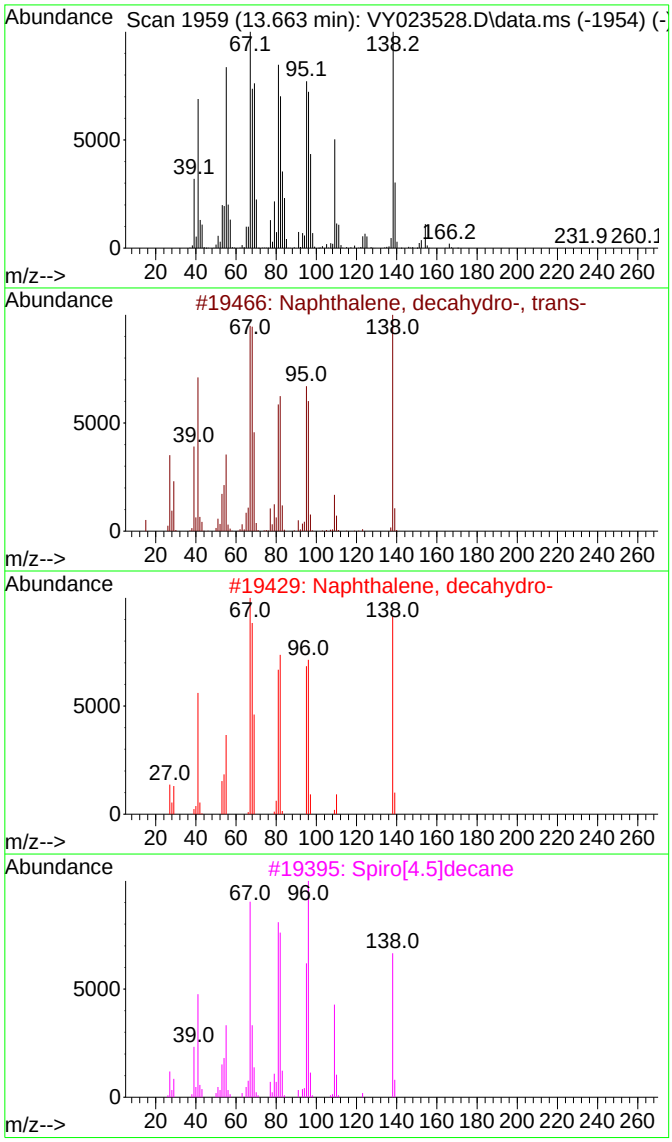
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

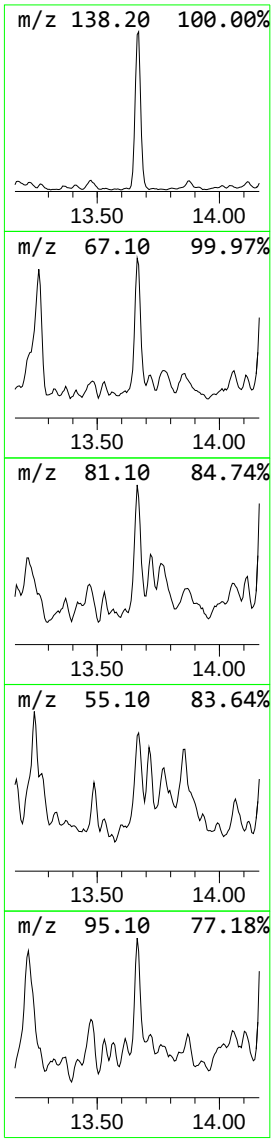
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, decahydro-, tr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.663	82.41 ug/l	3411830	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	90
3	Spiro[4.5]decane	138	C10H18	000176-63-6	58
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	55
5	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023528.D
Acq On : 21 Oct 2025 12:14
Operator : SY/MD
Sample : Q3376-02
Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

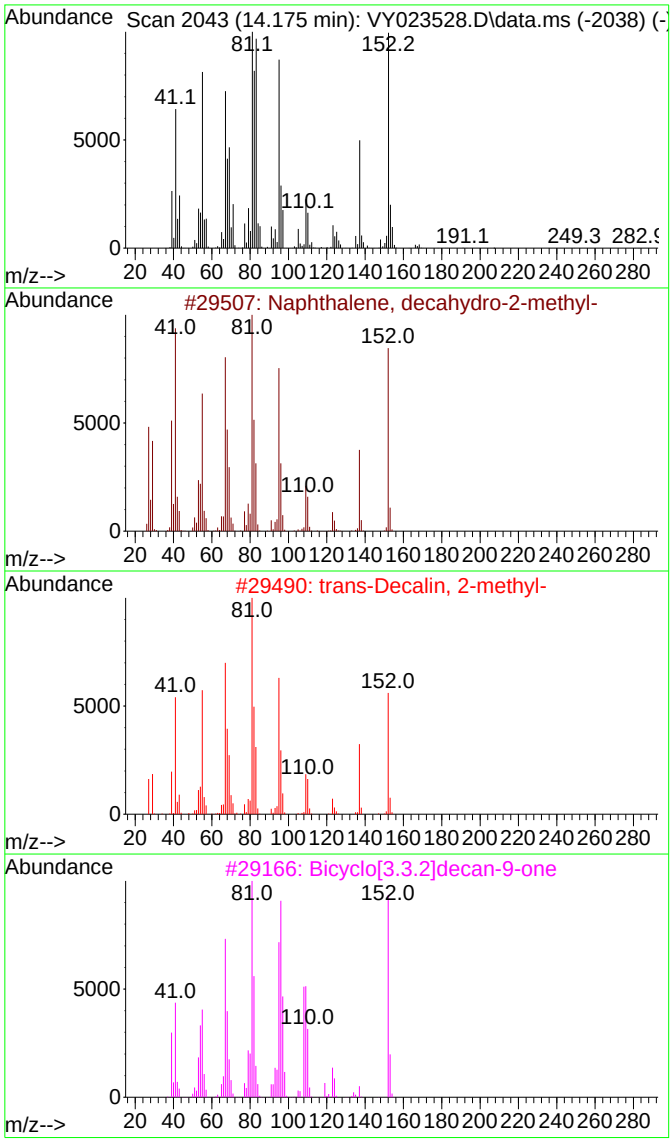
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Quant Title : SW846 8260

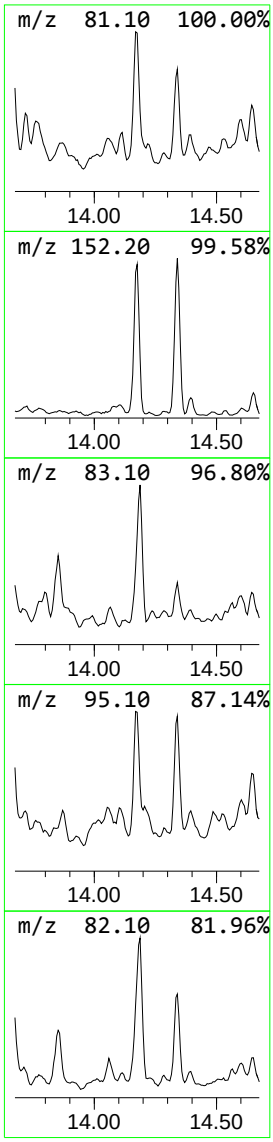
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, decahydro-2-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.175	103.66 ug/l	4291450	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
3	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	58
4	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	55
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023528.D
Acq On : 21 Oct 2025 12:14
Operator : SY/MD
Sample : Q3376-02
Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

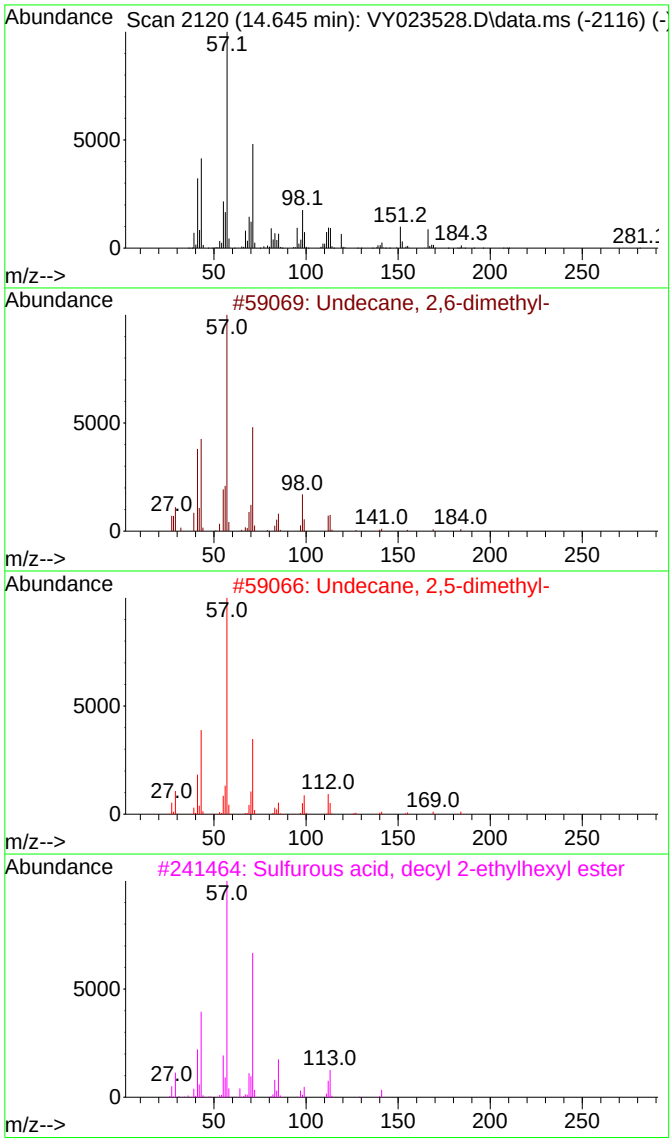
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Quant Title : SW846 8260

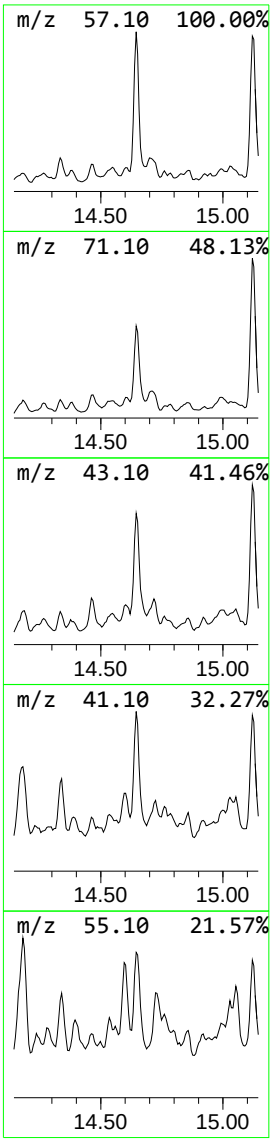
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	84.33 ug/l	3491290	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
2	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	70
3	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	52
4	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	49
5	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	47





Sample Results: **VY023528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023528.D
Acq On : 21 Oct 2025 12:14
Operator : SY/MD
Sample : Q3376-02
Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, de...	13.663	82.4	ug/l	3411830	4	13.346	2069970	50.0
Naphthalene, de...	14.175	103.7	ug/l	4291450	4	13.346	2069970	50.0
Undecane, 2,6-d...	14.645	84.3	ug/l	3491290	4	13.346	2069970	50.0

Raw Data: **VW032390.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 52.7
Sample Wt/Vol:	4.57 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	10.4	U	1	2.40	10.4	ug/Kg	10/20/25 15:40	VW102025
74-87-3	Chloromethane	10.4	U	1	2.40	10.4	ug/Kg	10/20/25 15:40	VW102025
75-01-4	Vinyl Chloride	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
74-83-9	Bromomethane	10.4	U	1	2.20	10.4	ug/Kg	10/20/25 15:40	VW102025
75-00-3	Chloroethane	10.4	U	1	2.60	10.4	ug/Kg	10/20/25 15:40	VW102025
75-69-4	Trichlorofluoromethane	10.4	U	1	2.50	10.4	ug/Kg	10/20/25 15:40	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	10.4	U	1	2.20	10.4	ug/Kg	10/20/25 15:40	VW102025
75-35-4	1,1-Dichloroethene	10.4	U	1	2.10	10.4	ug/Kg	10/20/25 15:40	VW102025
67-64-1	Acetone	240		1	9.80	51.9	ug/Kg	10/20/25 15:40	VW102025
75-15-0	Carbon Disulfide	10.0	J	1	2.20	10.4	ug/Kg	10/20/25 15:40	VW102025
1634-04-4	Methyl tert-butyl Ether	10.4	U	1	1.50	10.4	ug/Kg	10/20/25 15:40	VW102025
79-20-9	Methyl Acetate	10.4	U	1	3.20	10.4	ug/Kg	10/20/25 15:40	VW102025
75-09-2	Methylene Chloride	20.8	U	1	7.30	20.8	ug/Kg	10/20/25 15:40	VW102025
156-60-5	trans-1,2-Dichloroethene	10.4	U	1	1.80	10.4	ug/Kg	10/20/25 15:40	VW102025
75-34-3	1,1-Dichloroethane	10.4	U	1	1.70	10.4	ug/Kg	10/20/25 15:40	VW102025
110-82-7	Cyclohexane	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
78-93-3	2-Butanone	73.7		1	13.6	51.9	ug/Kg	10/20/25 15:40	VW102025
56-23-5	Carbon Tetrachloride	10.4	U	1	2.00	10.4	ug/Kg	10/20/25 15:40	VW102025
156-59-2	cis-1,2-Dichloroethene	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
74-97-5	Bromochloromethane	10.4	U	1	2.40	10.4	ug/Kg	10/20/25 15:40	VW102025
67-66-3	Chloroform	10.4	U	1	1.70	10.4	ug/Kg	10/20/25 15:40	VW102025
71-55-6	1,1,1-Trichloroethane	10.4	U	1	1.90	10.4	ug/Kg	10/20/25 15:40	VW102025
108-87-2	Methylcyclohexane	27.2		1	1.90	10.4	ug/Kg	10/20/25 15:40	VW102025
71-43-2	Benzene	2.50	J	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
107-06-2	1,2-Dichloroethane	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
79-01-6	Trichloroethene	10.4	U	1	1.70	10.4	ug/Kg	10/20/25 15:40	VW102025
78-87-5	1,2-Dichloropropane	10.4	U	1	1.90	10.4	ug/Kg	10/20/25 15:40	VW102025
75-27-4	Bromodichloromethane	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
108-10-1	4-Methyl-2-Pentanone	51.9	U	1	7.40	51.9	ug/Kg	10/20/25 15:40	VW102025
108-88-3	Toluene	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
10061-02-6	t-1,3-Dichloropropene	10.4	U	1	1.30	10.4	ug/Kg	10/20/25 15:40	VW102025
10061-01-5	cis-1,3-Dichloropropene	10.4	U	1	1.30	10.4	ug/Kg	10/20/25 15:40	VW102025
79-00-5	1,1,2-Trichloroethane	10.4	U	1	1.90	10.4	ug/Kg	10/20/25 15:40	VW102025
591-78-6	2-Hexanone	51.9	U	1	7.70	51.9	ug/Kg	10/20/25 15:40	VW102025
124-48-1	Dibromochloromethane	10.4	U	1	1.80	10.4	ug/Kg	10/20/25 15:40	VW102025
106-93-4	1,2-Dibromoethane	10.4	U	1	1.80	10.4	ug/Kg	10/20/25 15:40	VW102025
127-18-4	Tetrachloroethene	10.4	U	1	2.20	10.4	ug/Kg	10/20/25 15:40	VW102025
108-90-7	Chlorobenzene	10.4	U	1	1.90	10.4	ug/Kg	10/20/25 15:40	VW102025
100-41-4	Ethyl Benzene	10.4	U	1	1.40	10.4	ug/Kg	10/20/25 15:40	VW102025
179601-23-1	m/p-Xylenes	20.8	U	1	2.60	20.8	ug/Kg	10/20/25 15:40	VW102025
95-47-6	o-Xylene	10.4	U	1	1.70	10.4	ug/Kg	10/20/25 15:40	VW102025
100-42-5	Styrene	10.4	U	1	1.50	10.4	ug/Kg	10/20/25 15:40	VW102025
75-25-2	Bromoform	10.4	U	1	1.80	10.4	ug/Kg	10/20/25 15:40	VW102025

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	52.7
Sample Wt/Vol:	4.57 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	10.4	U	1	1.60	10.4	ug/Kg	10/20/25 15:40	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	10.4	U	1	2.50	10.4	ug/Kg	10/20/25 15:40	VW102025
541-73-1	1,3-Dichlorobenzene	10.4	U	1	3.60	10.4	ug/Kg	10/20/25 15:40	VW102025
106-46-7	1,4-Dichlorobenzene	10.4	U	1	3.20	10.4	ug/Kg	10/20/25 15:40	VW102025
95-50-1	1,2-Dichlorobenzene	10.4	U	1	3.00	10.4	ug/Kg	10/20/25 15:40	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	10.4	U	1	3.80	10.4	ug/Kg	10/20/25 15:40	VW102025
120-82-1	1,2,4-Trichlorobenzene	10.4	U	1	6.20	10.4	ug/Kg	10/20/25 15:40	VW102025
87-61-6	1,2,3-Trichlorobenzene	10.4	U	1	6.60	10.4	ug/Kg	10/20/25 15:40	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.3			63 - 155	121%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.7			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	55.5			74 - 123	111%	SPK: 50		
460-00-4	4-Bromofluorobenzene	64.7			17 - 146	129%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	224000							
540-36-3	1,4-Difluorobenzene	492000							
3114-55-4	Chlorobenzene-d5	496000							
3855-82-1	1,4-Dichlorobenzene-d4	236000							
TENTATIVE IDENTIFIED COMPOUNDS									
002051-30-1	Octane, 2,6-dimethyl-	160	J			12.3	ug/Kg		
020905-05-9	Octane, 4,5-dipropyl-	280	J			12.4	ug/Kg		
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	140	J			13.1	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	4.20	J			13.3	ug/Kg		
017301-28-9	Undecane, 3,6-dimethyl-	120	J			14.8	ug/Kg		

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

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

Sample Results: **VW032390.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032390.D
Acq On : 20 Oct 2025 15:40
Operator : SY/MD
Sample : Q3376-03
Misc : 4.57g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 01:29:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	223521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	492025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	496249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	236278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	196444	60.255	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 120.520%			
35) Dibromofluoromethane	7.898	113	171258	53.746	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 107.500%			
50) Toluene-d8	10.325	98	652153	55.454	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 110.900%			
62) 4-Bromofluorobenzene	12.617	95	287576	64.696	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 129.400%			
Target Compounds						Qvalue
16) Acetone	4.161	43	105799	117.200	ug/l	95
17) Carbon Disulfide	4.423	76	33041	4.807	ug/l	97
25) 2-Butanone	7.197	43	43643	35.498	ug/l	94
39) Methylcyclohexane	9.343	83	71160m	13.119	ug/l	
40) Benzene	8.337	78	16763	1.189	ug/l	97
84) 1,2,4-Trimethylbenzene	13.251	105	28657	2.016	ug/l	99

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

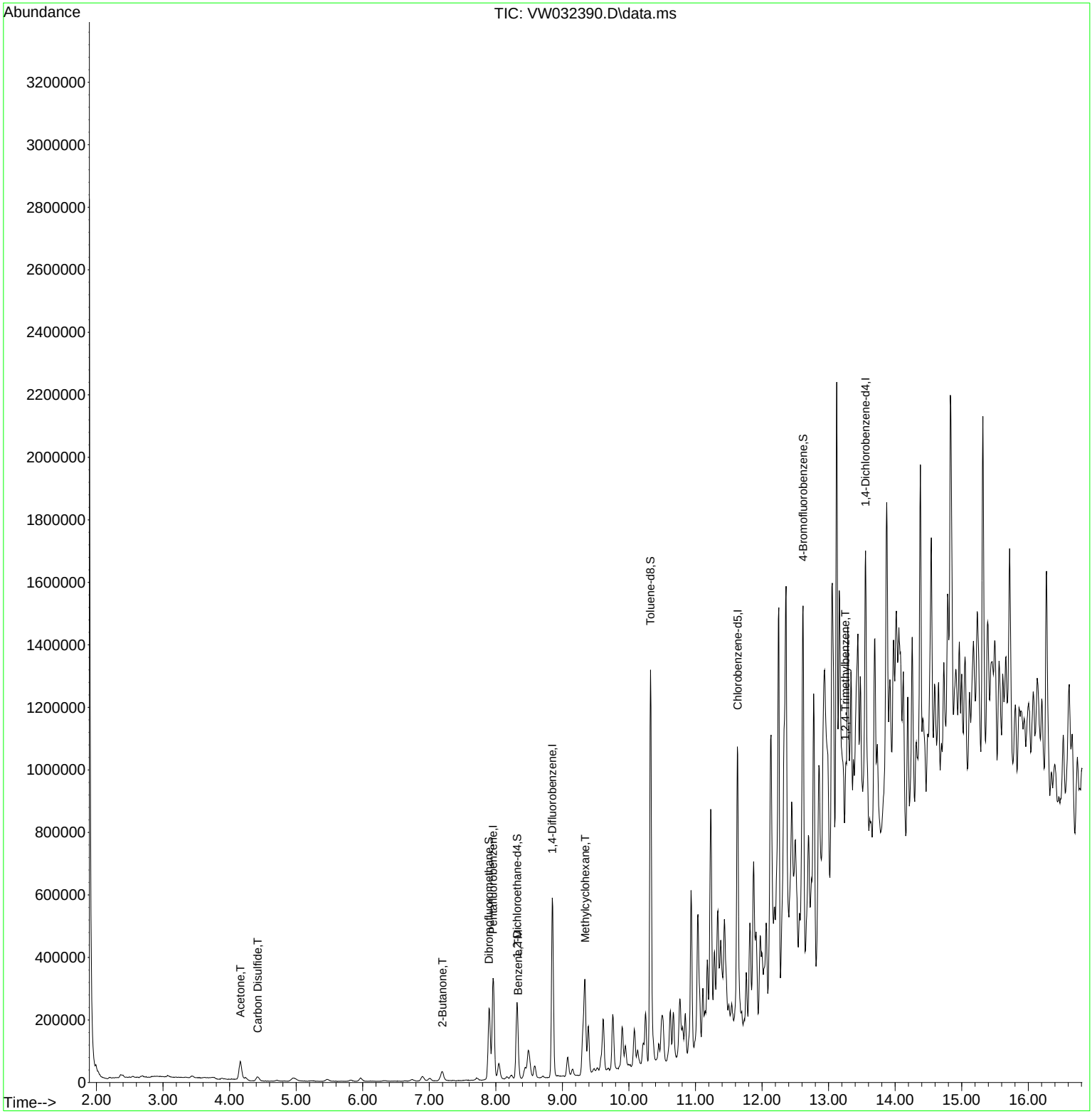
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032390.D
Acq On : 20 Oct 2025 15:40
Operator : SY/MD
Sample : Q3376-03
Misc : 4.57g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

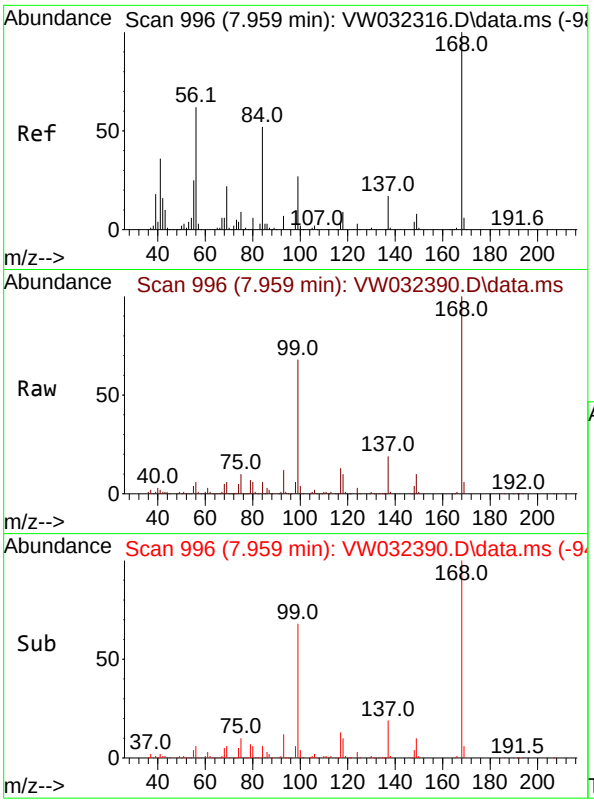
Quant Time: Oct 21 01:29:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

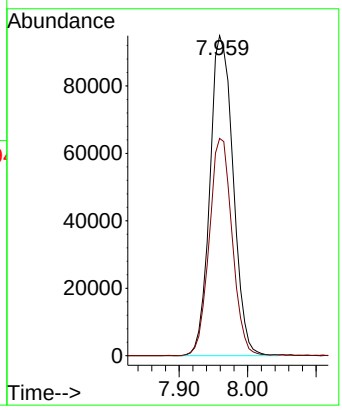
Tgt Ion:168 Resp: 22352

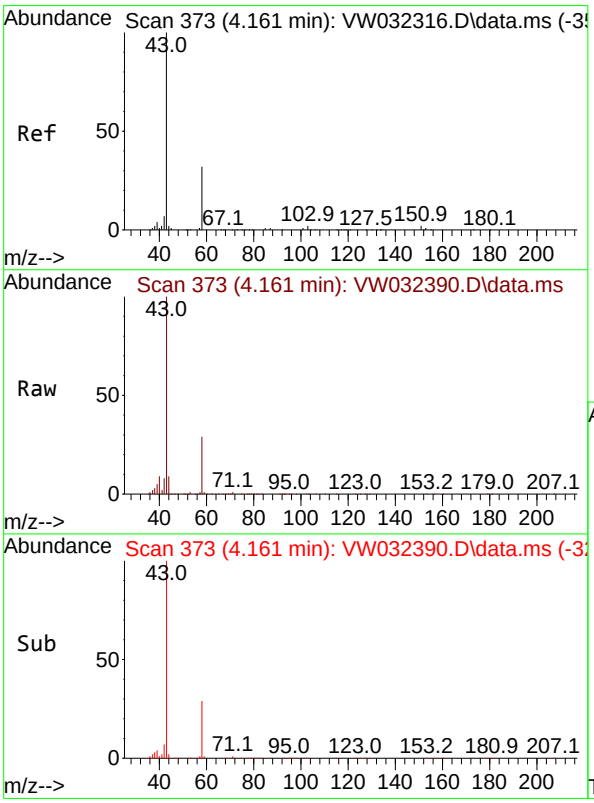
Ion	Ratio	Lower	Upper
168	100		
99	67.9	49.3	73.9

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

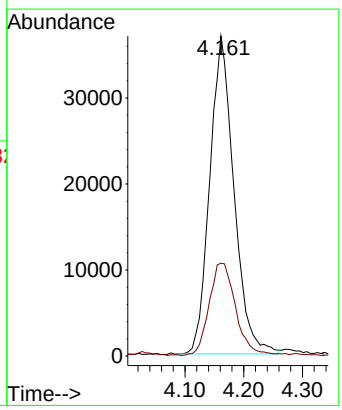


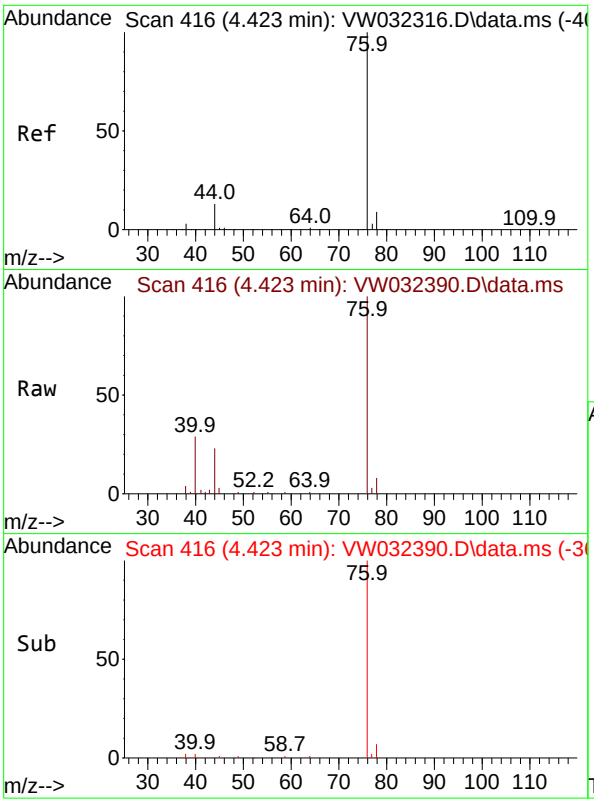


#16
Acetone
Concen: 117.200 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

Tgt Ion: 43 Resp: 105799

Ion	Ratio	Lower	Upper
43	100		
58	28.8	25.3	37.9





#17
Carbon Disulfide
Concen: 4.807 ug/l
RT: 4.423 min Scan# 4
Delta R.T. -0.000 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

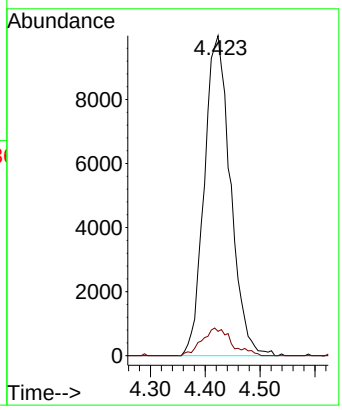
Tgt Ion: 76 Resp: 3304

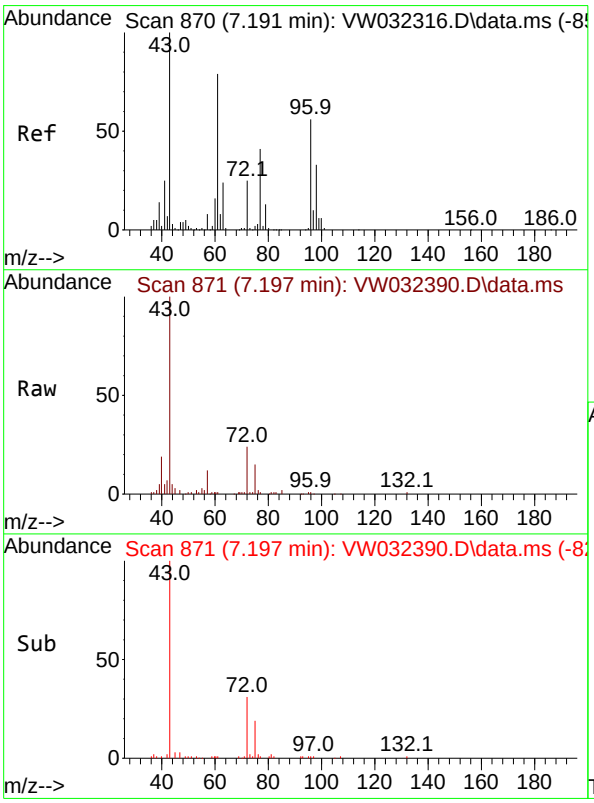
Ion	Ratio	Lower	Upper
76	100		
78	7.6	7.0	10.6

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

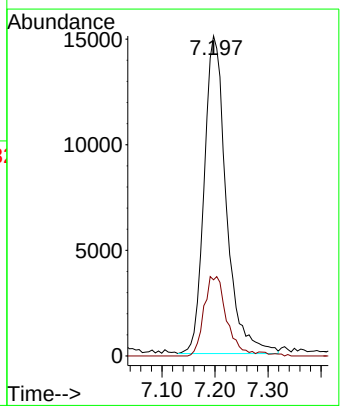


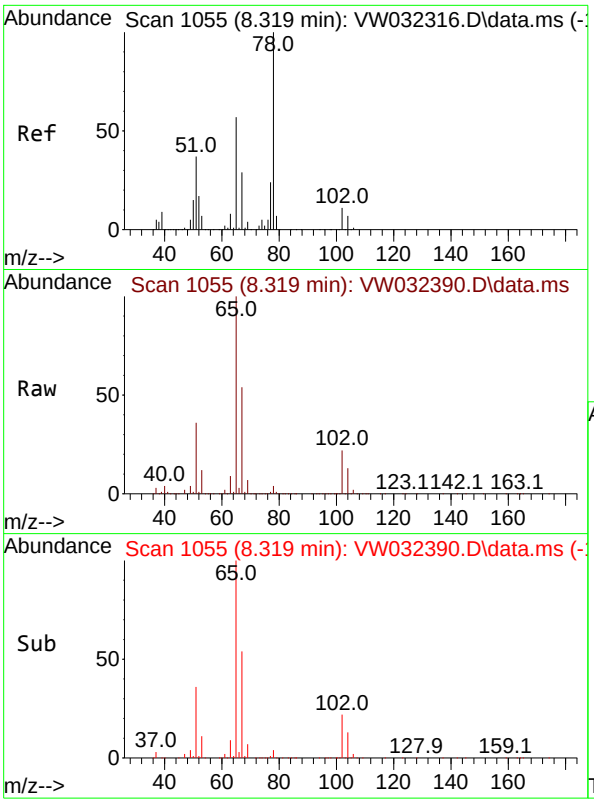


#25
2-Butanone
Concen: 35.498 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

Tgt Ion: 43 Resp: 43643

Ion	Ratio	Lower	Upper
43	100		
72	24.0	21.4	32.2

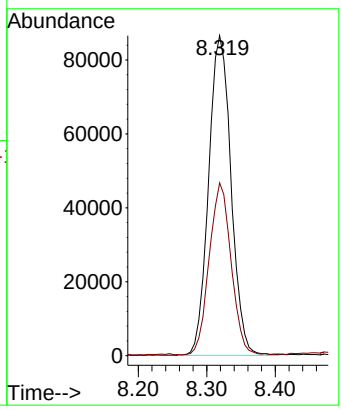




#33
1,2-Dichloroethane-d4
Concen: 60.255 ug/l
RT: 8.319 min Scan# 10
Delta R.T. -0.000 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

Tgt Ion: 65 Resp: 19644

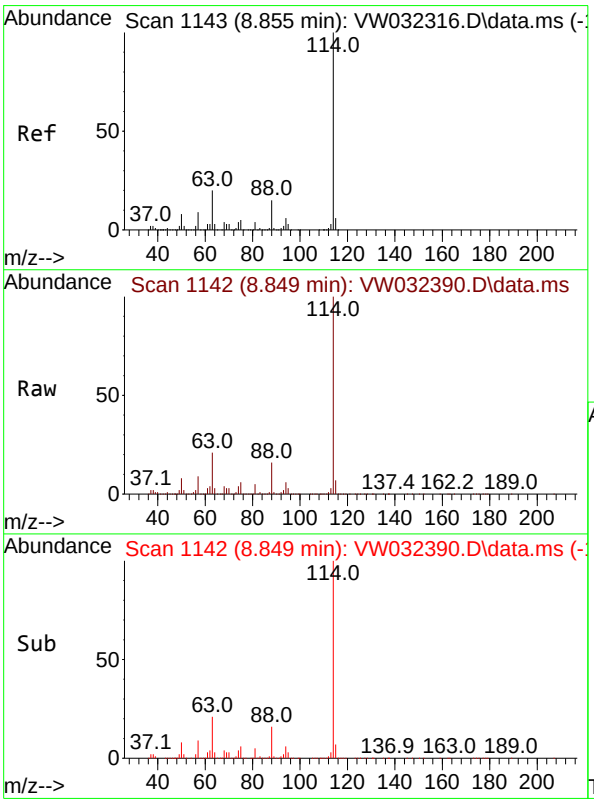
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	99.6



Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

Manual Integrations
APPROVED

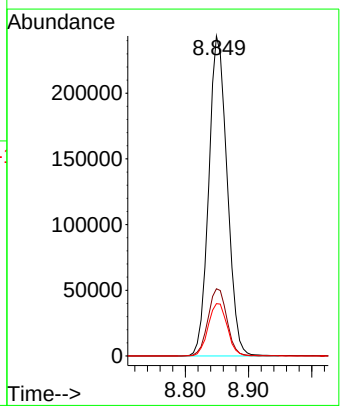
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

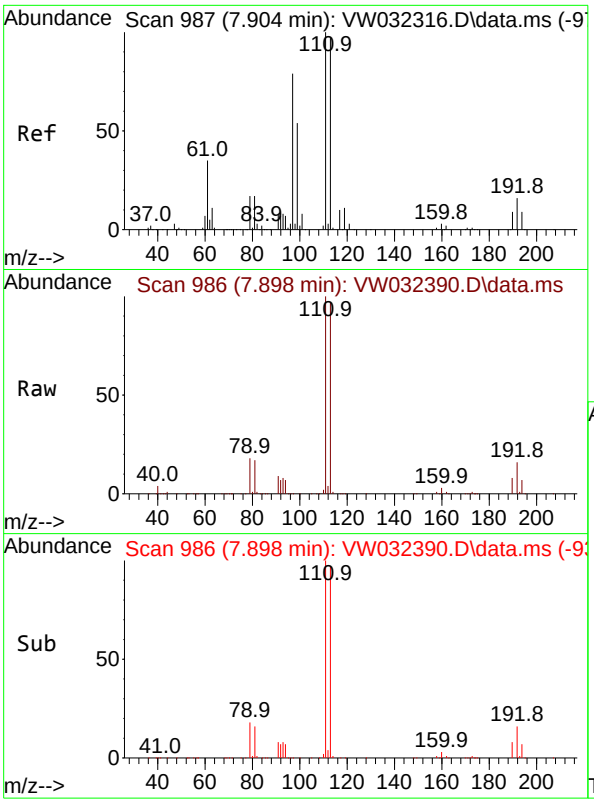


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

Tgt Ion:114 Resp: 492025

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.4
88	16.4	0.0	32.0





#35
Dibromofluoromethane
Concen: 53.746 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

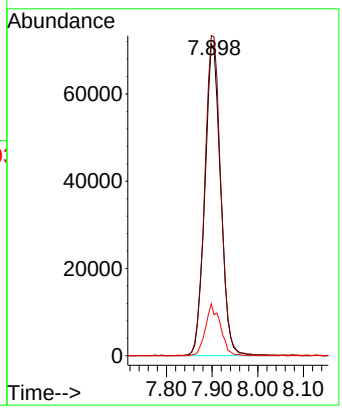
Tgt Ion:113 Resp: 17125

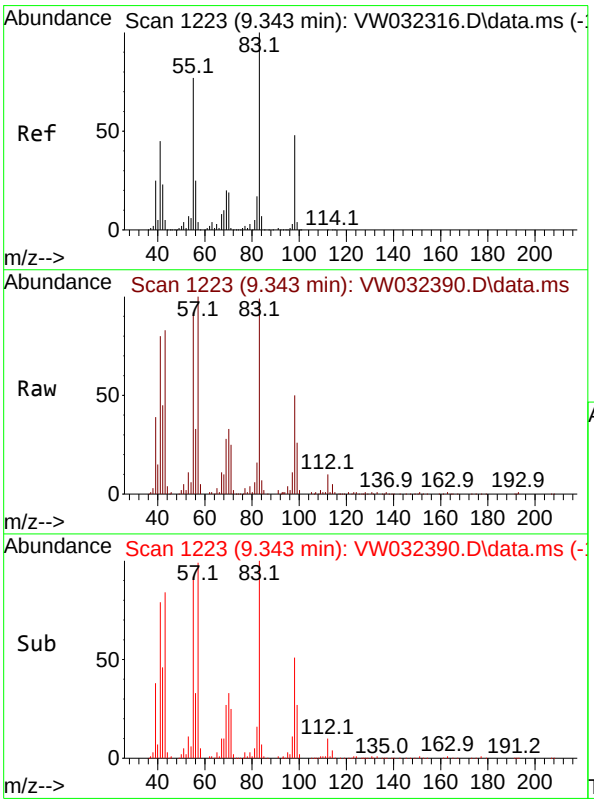
Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.9	125.9
192	15.8	14.6	21.8

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

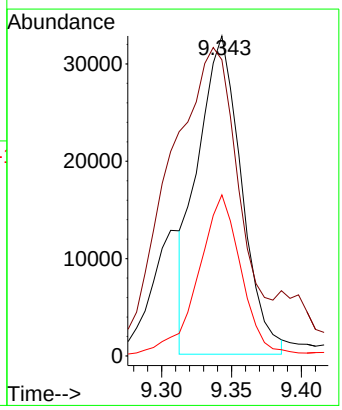


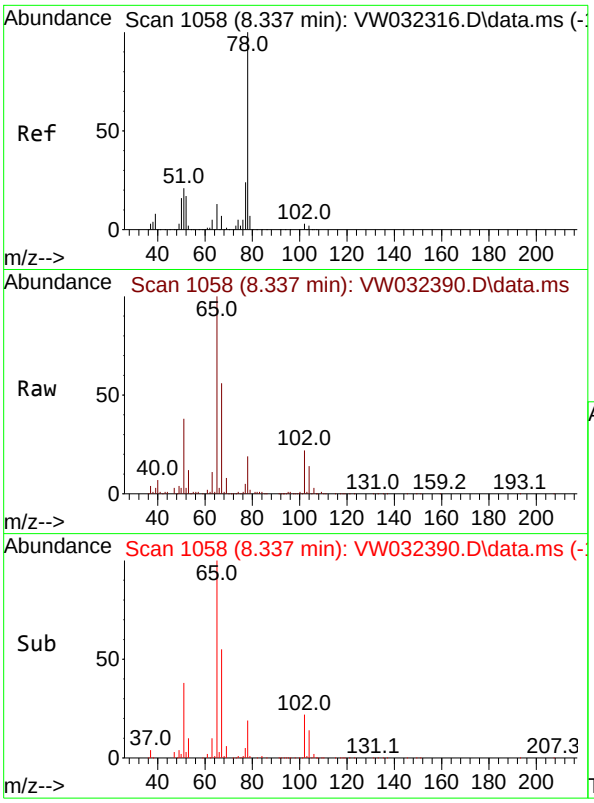


#39
Methylcyclohexane
Concen: 13.119 ug/l m
RT: 9.343 min Scan# 1223
Delta R.T. -0.000 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

Tgt Ion: 83 Resp: 71160

Ion	Ratio	Lower	Upper
83	100		
55	92.6	58.4	87.6#
98	50.3	39.4	59.2





#40
Benzene
Concen: 1.189 ug/l
RT: 8.337 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

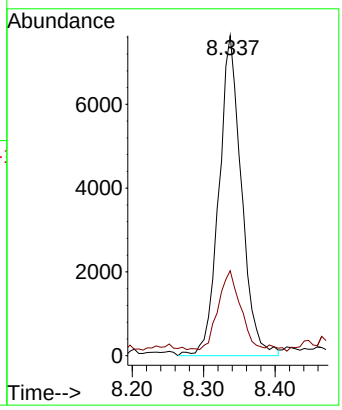
Tgt Ion: 78 Resp: 1676

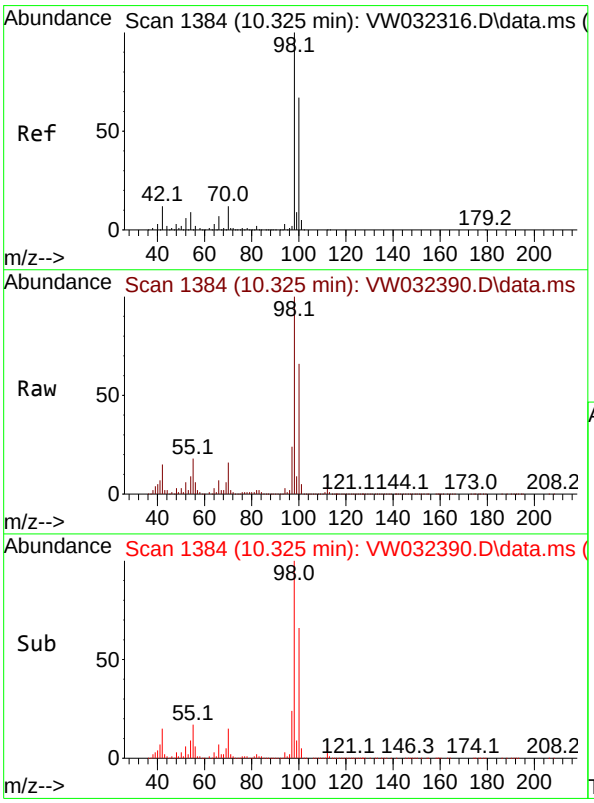
Ion	Ratio	Lower	Upper
78	100		
77	24.3	20.7	31.1

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

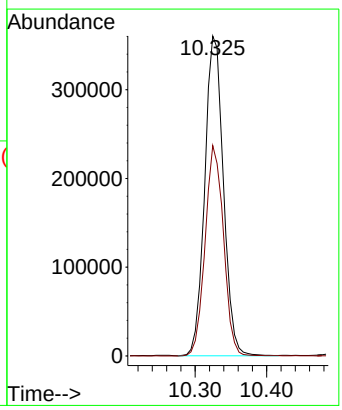


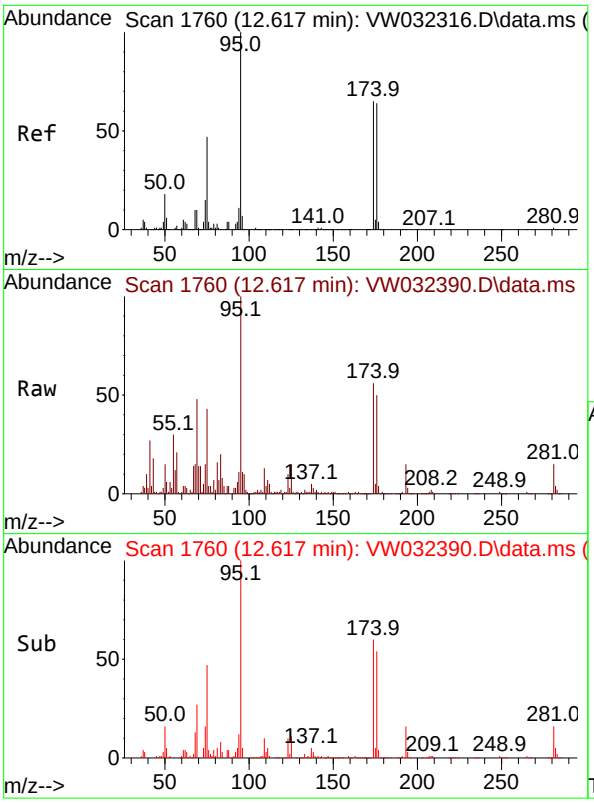


#50
Toluene-d8
Concen: 55.454 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

Tgt Ion: 98 Resp: 652153

Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.4	77.2

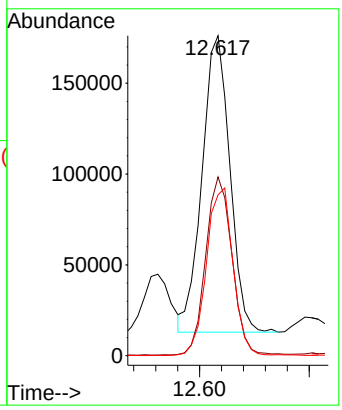




#62
4-Bromofluorobenzene
Concen: 64.696 ug/l
RT: 12.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

Tgt Ion: 95 Resp: 28757

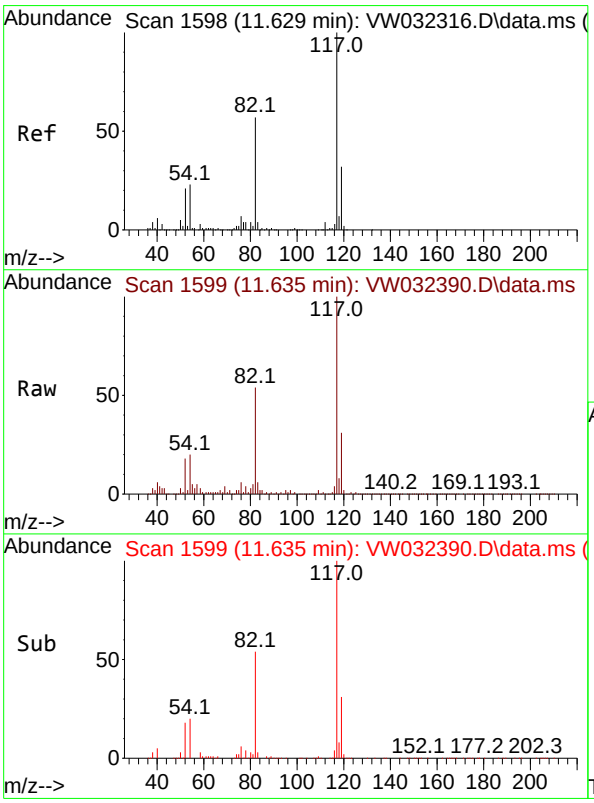
Ion	Ratio	Lower	Upper
95	100		
174	56.8	0.0	145.6
176	54.2	0.0	140.8



Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

Manual Integrations
APPROVED

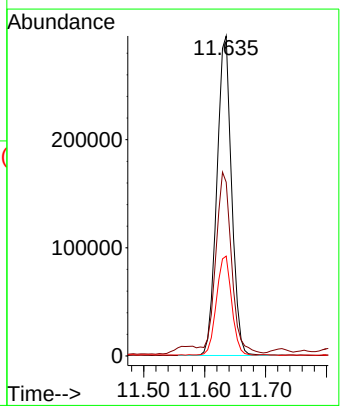
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

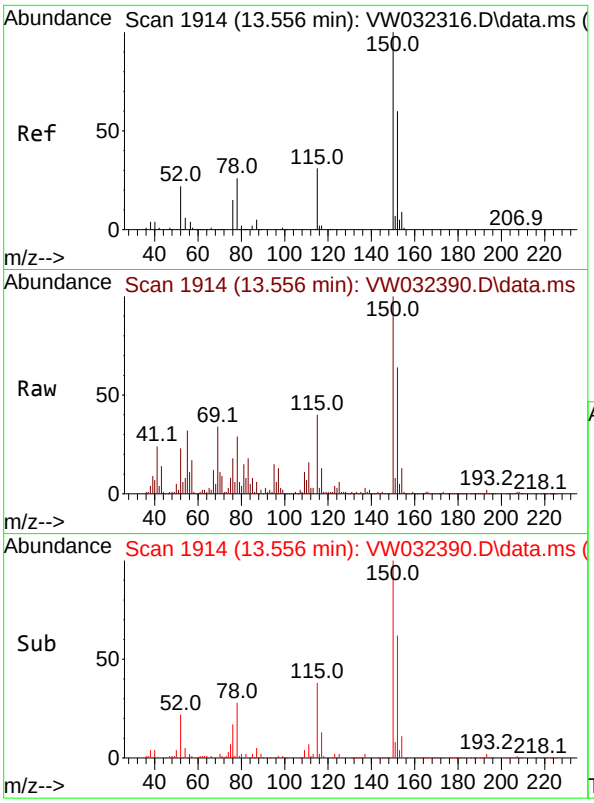


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

Tgt Ion:117 Resp: 496249

Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.7	64.1
119	31.0	25.2	37.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

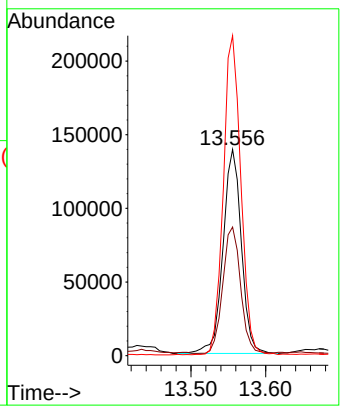
Tgt Ion:152 Resp: 23627

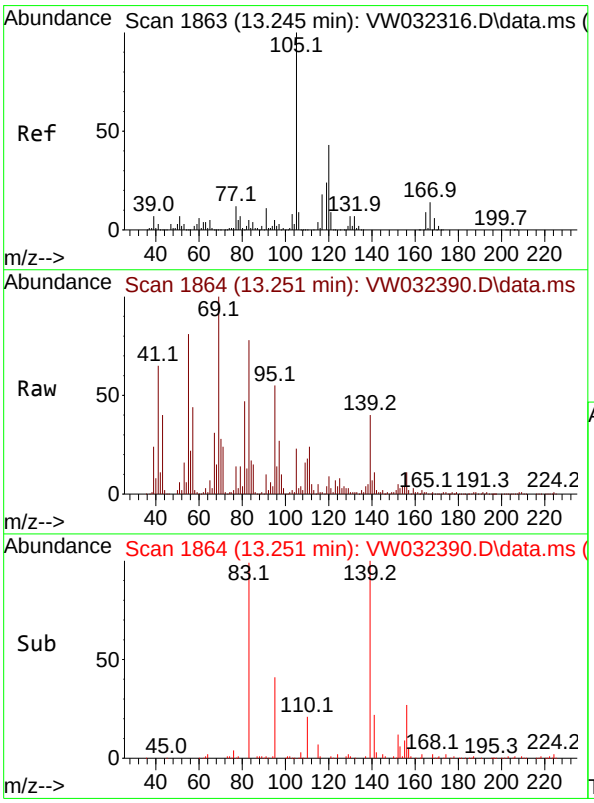
Ion	Ratio	Lower	Upper
152	100		
115	60.2	31.8	95.4
150	149.1	0.0	343.0

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

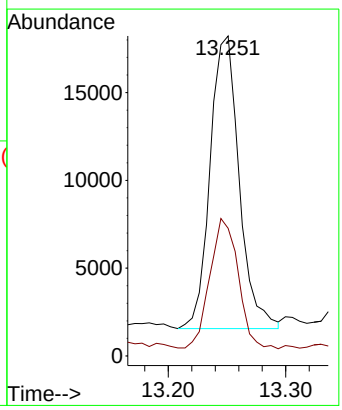




#84
1,2,4-Trimethylbenzene
Concen: 2.016 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW032390.D
Acq: 20 Oct 2025 15:40

Tgt Ion:105 Resp: 28657

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.3



LSC Area Percent Report

Sample Results: **VW032390.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032390.D
Acq On : 20 Oct 2025 15:40
Operator : SY/MD
Sample : Q3376-03
Misc : 4.57g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Title : SW846 8260

Signal : TIC: VW032390.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	364	373	383	rBV	57355	170089	4.13%	0.288%
2	4.423	406	416	426	rBV	12679	42343	1.03%	0.072%
3	4.947	493	502	519	rBV5	9290	46681	1.13%	0.079%
4	6.898	813	822	832	rBV4	14209	47072	1.14%	0.080%
5	7.197	858	871	881	rBV3	29690	105223	2.56%	0.178%
6	7.898	975	986	991	rBV	228559	552310	13.42%	0.935%
7	7.959	991	996	1004	rVV	323451	757038	18.39%	1.282%
8	8.044	1004	1010	1020	rVB2	49145	126669	3.08%	0.215%
9	8.319	1047	1055	1067	rVB	243338	559051	13.58%	0.947%
10	8.441	1067	1075	1077	rBV4	35085	77182	1.88%	0.131%
11	8.490	1077	1083	1093	rVV	88567	281521	6.84%	0.477%
12	8.587	1093	1099	1111	rVB4	37830	92361	2.24%	0.156%
13	8.849	1134	1142	1152	rBV	574982	1178238	28.63%	1.996%
14	9.081	1173	1180	1187	rBV	60931	136673	3.32%	0.231%
15	9.154	1187	1192	1202	rVB	20842	46957	1.14%	0.080%
16	9.337	1210	1222	1227	rBV4	307261	899543	21.85%	1.524%
17	9.392	1227	1231	1239	rVB	147972	288925	7.02%	0.489%
18	9.611	1257	1267	1275	rBV2	163148	392764	9.54%	0.665%
19	9.758	1284	1291	1300	rBV2	177193	373458	9.07%	0.633%
20	9.898	1308	1314	1319	rBV2	124394	253410	6.16%	0.429%
21	9.947	1319	1322	1328	rVB2	61261	101999	2.48%	0.173%
22	10.081	1338	1344	1349	rBV	116434	239207	5.81%	0.405%
23	10.215	1361	1366	1368	rBV3	65247	118807	2.89%	0.201%
24	10.251	1368	1372	1377	rVB2	154221	271792	6.60%	0.460%
25	10.325	1377	1384	1397	rBV	1251152	2363754	57.43%	4.004%
26	10.446	1400	1404	1407	rBV2	47224	74044	1.80%	0.125%
27	10.501	1407	1413	1422	rVB5	146237	417149	10.13%	0.707%
28	10.623	1424	1433	1436	rBV	159343	331738	8.06%	0.562%
29	10.666	1436	1440	1447	rVB	144018	265174	6.44%	0.449%
30	10.764	1450	1456	1461	rBV4	177735	411374	9.99%	0.697%
31	10.849	1466	1470	1475	rVB2	127052	204174	4.96%	0.346%
32	10.934	1475	1484	1491	rBV	520672	988993	24.03%	1.675%
33	11.038	1494	1501	1509	rBV	402867	924467	22.46%	1.566%
34	11.111	1509	1513	1516	rBV	155227	245344	5.96%	0.416%
35	11.178	1520	1524	1527	rBV	171253	233346	5.67%	0.395%
36	11.227	1527	1532	1538	rVB	609087	1068693	25.96%	1.810%

Sample Results: **VW032390.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032390.D
Acq On : 20 Oct 2025 15:40
Operator : SY/MD
Sample : Q3376-03
Misc : 4.57g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Title : SW846 8260

37	11.288	1538	1542	1545	rBV2	155425	230402	5.60%	0.390%
38	11.337	1545	1550	1553	rBV5	252308	445237	10.82%	0.754%
39	11.434	1563	1566	1575	rVB3	290309	613215	14.90%	1.039%
40	11.629	1592	1598	1607	rVB	851921	1541058	37.44%	2.610%
41	11.763	1616	1620	1624	rBV	153363	221015	5.37%	0.374%
42	11.818	1624	1629	1633	rBV2	299923	562852	13.67%	0.953%
43	11.873	1633	1638	1642	rBV2	411056	749047	18.20%	1.269%
44	11.971	1649	1654	1657	rBV2	249771	457965	11.13%	0.776%
45	12.062	1666	1669	1673	rVB2	225632	335537	8.15%	0.568%
46	12.135	1673	1681	1687	rBV4	827508	2100841	51.04%	3.558%
47	12.251	1692	1700	1704	rVB	1185022	2333221	56.69%	3.952%
48	12.361	1704	1718	1725	rBV4	1253110	4116098	100.00%	6.972%
49	12.446	1729	1732	1737	rVB4	241052	381390	9.27%	0.646%
50	12.562	1748	1751	1753	rBV2	108270	151693	3.69%	0.257%
51	12.617	1753	1760	1765	rVB4	1106507	2183577	53.05%	3.699%
52	12.696	1766	1773	1777	rBV7	366134	822656	19.99%	1.393%
53	12.775	1782	1786	1792	rVB3	872222	1606562	39.03%	2.721%
54	12.855	1792	1799	1805	rBV6	643226	1778149	43.20%	3.012%
55	12.940	1806	1813	1826	rVB10	673359	2910383	70.71%	4.930%
56	13.056	1826	1832	1838	rBV	942844	2364665	57.45%	4.005%
57	13.123	1838	1843	1846	rVV	1470939	2291276	55.67%	3.881%
58	13.159	1846	1849	1862	rVB5	749869	2023848	49.17%	3.428%
59	13.287	1867	1870	1874	rVV2	439855	590200	14.34%	1.000%
60	13.556	1910	1914	1922	rVB	895791	1741515	42.31%	2.950%
61	13.696	1932	1937	1940	rBV3	547484	962116	23.37%	1.630%
62	13.873	1961	1966	1971	rBV4	849368	1632550	39.66%	2.765%
63	13.976	1979	1983	1986	rBV5	358311	647946	15.74%	1.097%
64	14.190	2014	2018	2022	rBV4	433868	704766	17.12%	1.194%
65	14.257	2025	2029	2035	rVB5	539842	976645	23.73%	1.654%
66	14.379	2045	2049	2053	rBV2	862457	1206506	29.31%	2.044%
67	14.787	2114	2116	2119	rBV4	271648	383626	9.32%	0.650%
68	14.830	2120	2123	2130	rVB2	1021185	2004864	48.71%	3.396%
69	15.318	2199	2203	2210	rVB	1041615	1726396	41.94%	2.924%
70	16.275	2355	2360	2368	rVB2	718165	1553784	37.75%	2.632%

Sum of corrected areas: 59039164

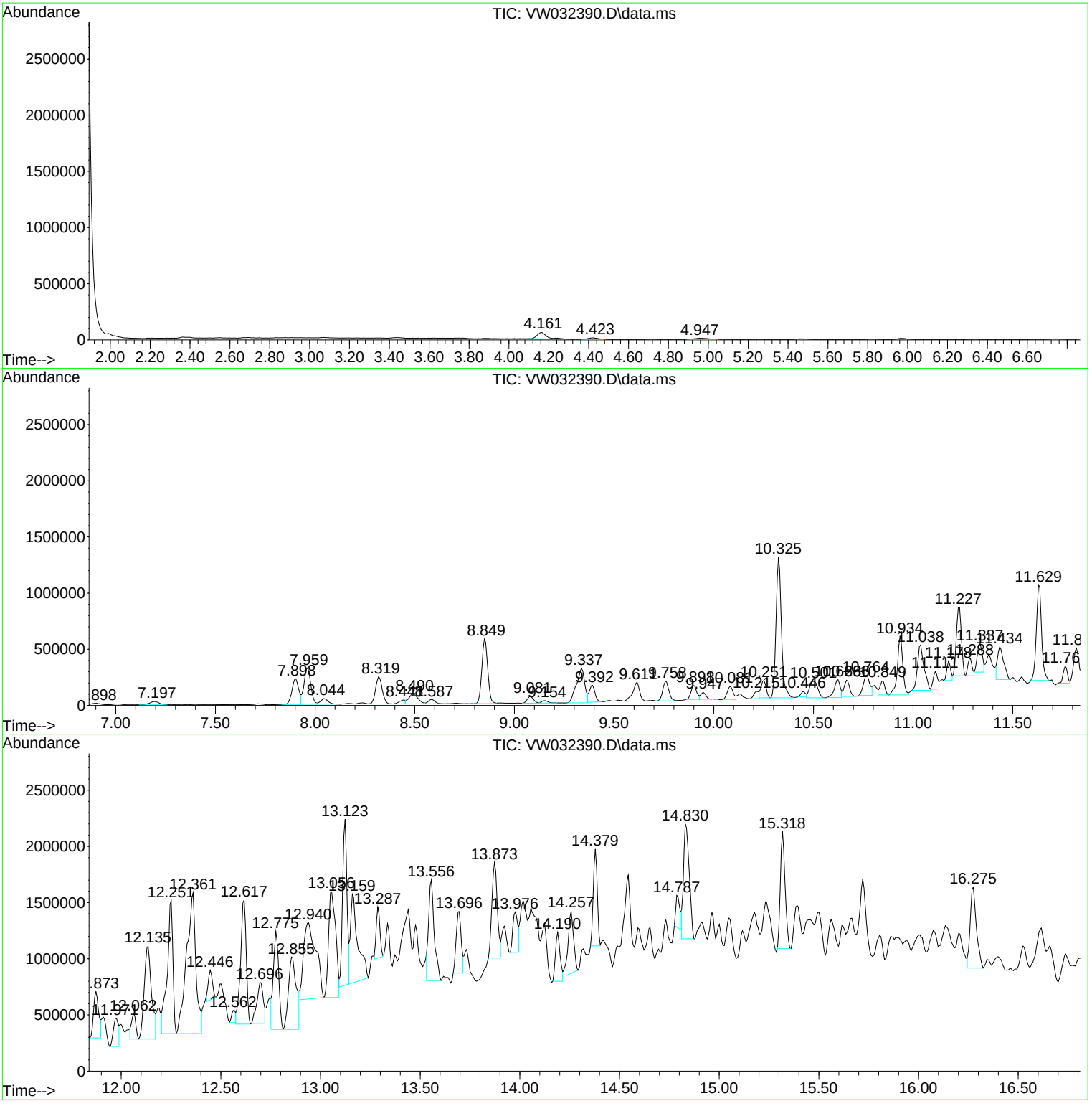
Sample Results: **VW032390.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032390.D
Acq On : 20 Oct 2025 15:40
Operator : SY/MD
Sample : Q3376-03
Misc : 4.57g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032390.D
Acq On : 20 Oct 2025 15:40
Operator : SY/MD
Sample : Q3376-03
Misc : 4.57g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

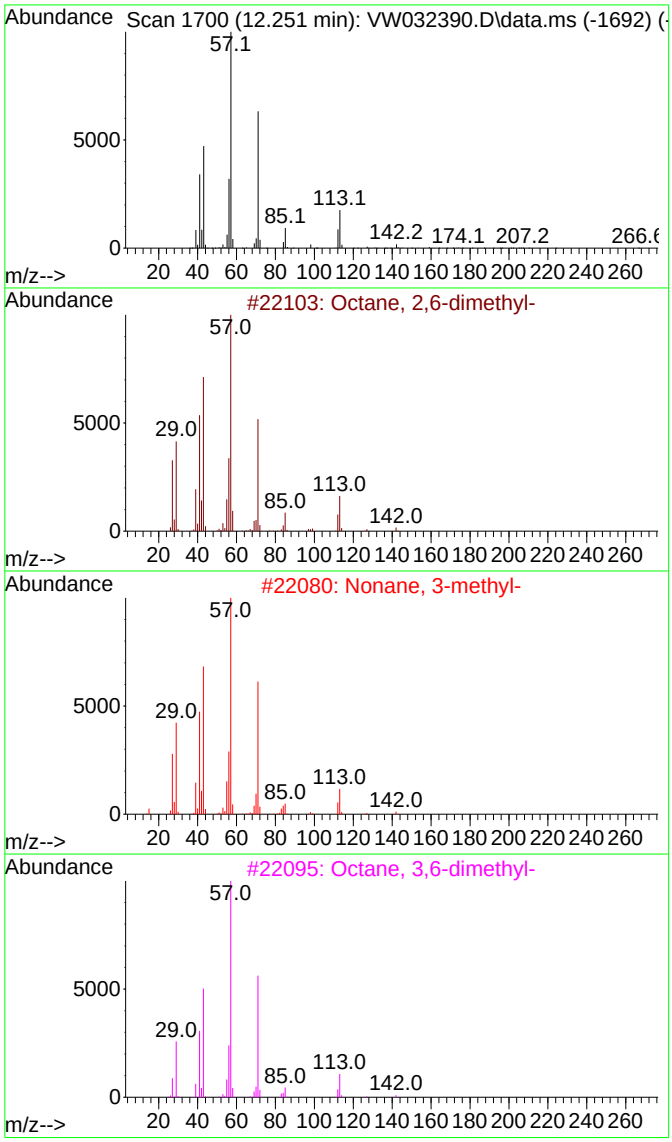
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

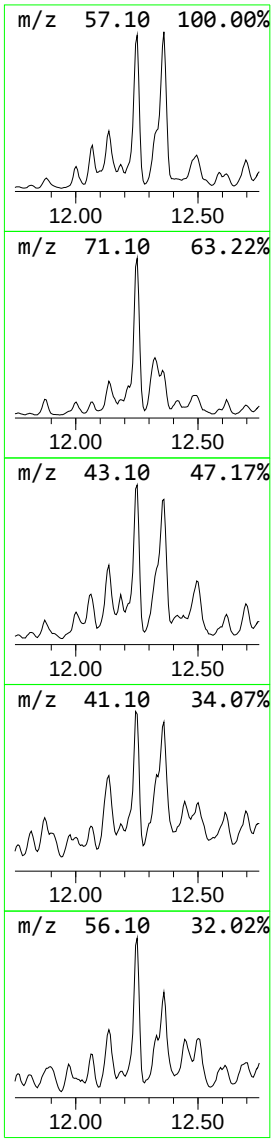
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Octane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	75.70 ug/l	2333220	Chlorobenzene-d5	11.635

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
4	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	72
5	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032390.D
Acq On : 20 Oct 2025 15:40
Operator : SY/MD
Sample : Q3376-03
Misc : 4.57g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

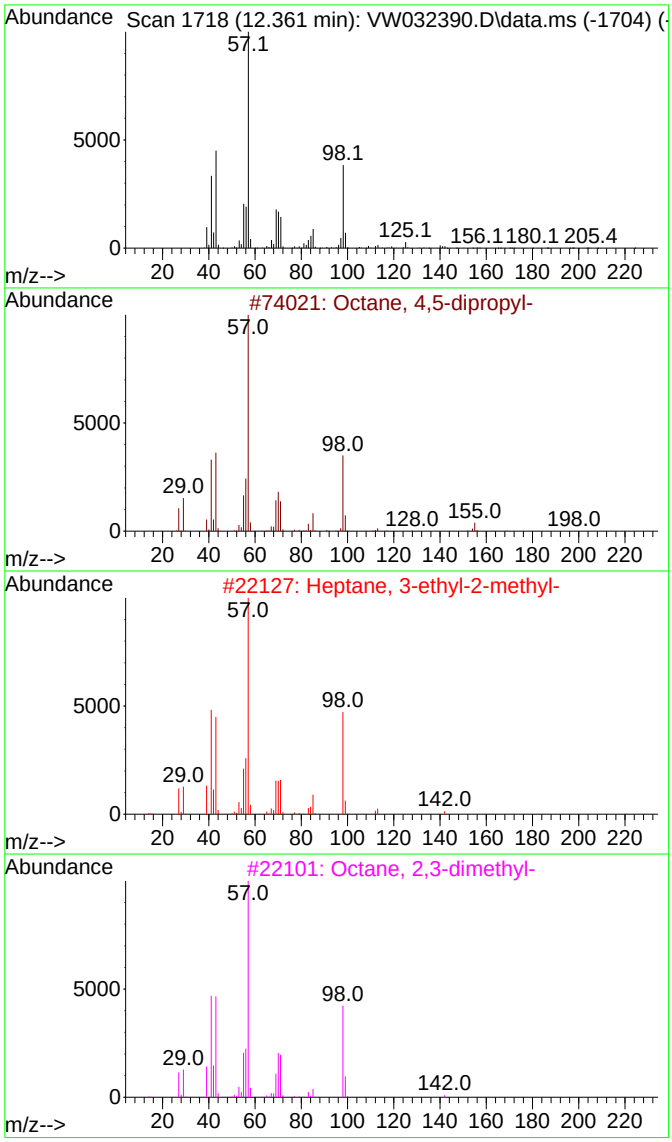
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

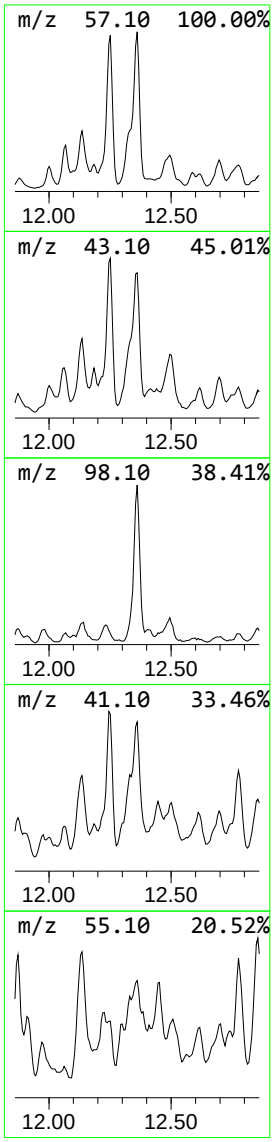
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Octane, 4,5-dipropyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.361	133.55 ug/l	4116100	Chlorobenzene-d5	11.635

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	90
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	87
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
4	Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	64
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032390.D
Acq On : 20 Oct 2025 15:40
Operator : SY/MD
Sample : Q3376-03
Misc : 4.57g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

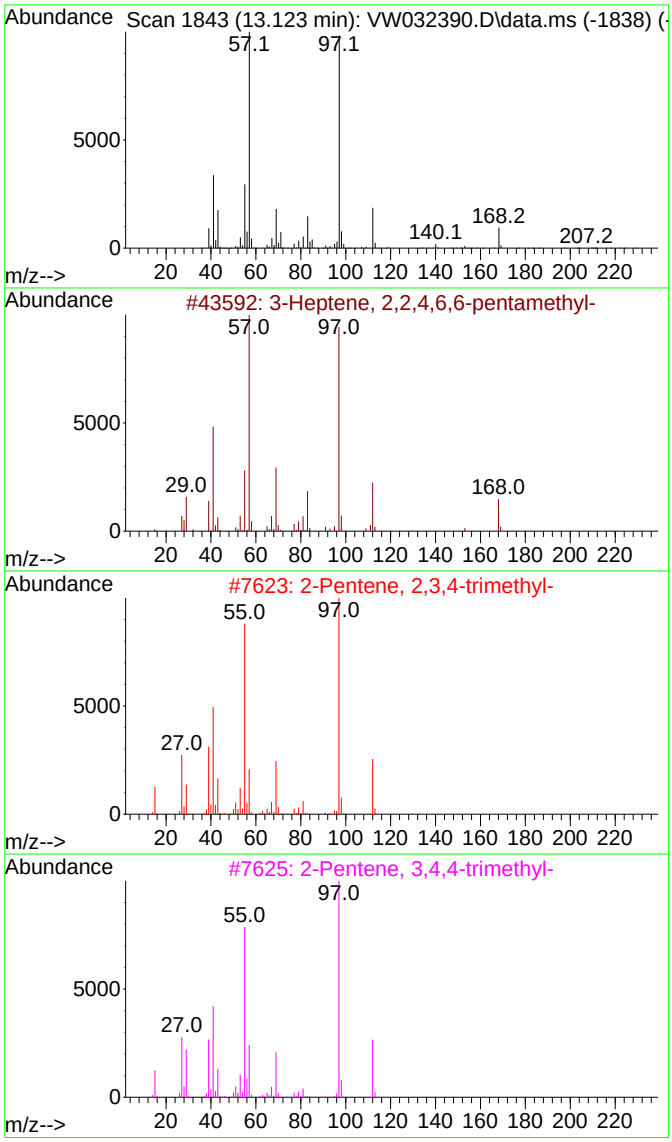
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

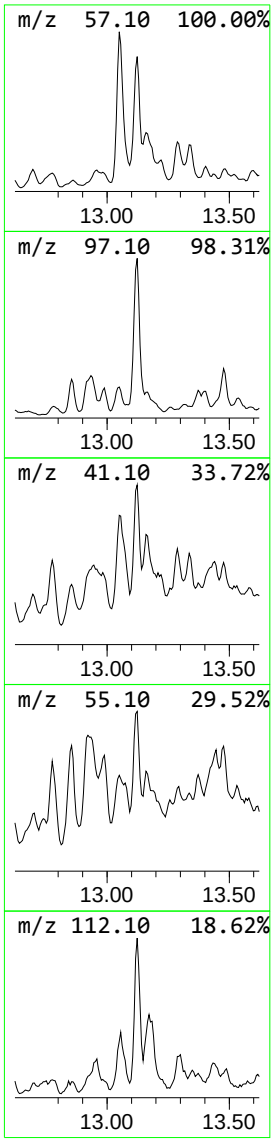
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 3-Heptene, 2,2,4,6,6-pentam... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.123	65.78 ug/l	2291280	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 2,2,4,6,6-pentamethyl-	168	C12H24	000123-48-8	87
2	2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	64
3	2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	64
4	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	64
5	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032390.D
Acq On : 20 Oct 2025 15:40
Operator : SY/MD
Sample : Q3376-03
Misc : 4.57g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

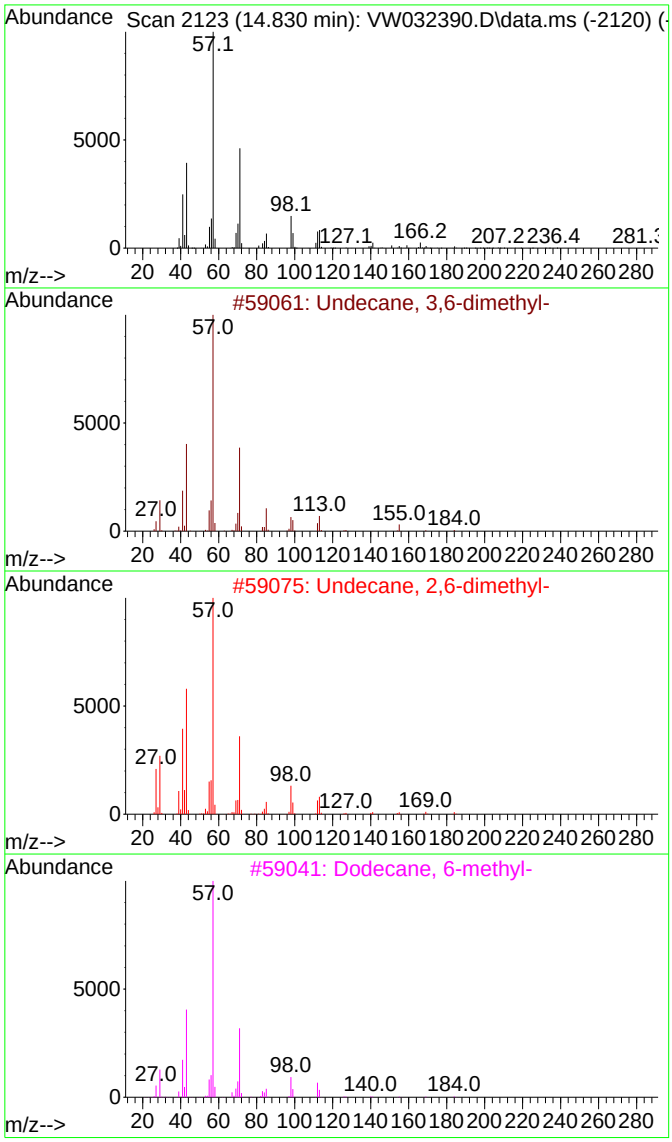
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

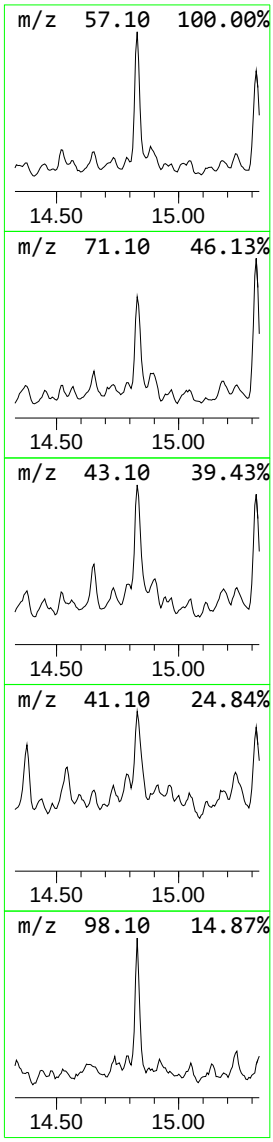
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Undecane, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.830	57.56 ug/l	2004860	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	90
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	83
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	81
4	5-Ethyldecane	170	C12H26	017302-36-2	78
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032390.D
Acq On : 20 Oct 2025 15:40
Operator : SY/MD
Sample : Q3376-03
Misc : 4.57g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-COMP2-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Octane, 2,6-dim...	12.251	75.7	ug/l	2333220	3	11.635	1541060	50.0
Octane, 4,5-dip...	12.361	133.6	ug/l	4116100	3	11.635	1541060	50.0
3-Heptene, 2,2,...	13.123	65.8	ug/l	2291280	4	13.556	1741520	50.0
Undecane, 3,6-d...	14.830	57.6	ug/l	2004860	4	13.556	1741520	50.0

Raw Data: **VW032391.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-202510	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 51.3
Sample Wt/Vol:	4.83 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	10.1	U	1	2.30	10.1	ug/Kg	10/20/25 16:02	VW102025
74-87-3	Chloromethane	10.1	U	1	2.30	10.1	ug/Kg	10/20/25 16:02	VW102025
75-01-4	Vinyl Chloride	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
74-83-9	Bromomethane	10.1	U	1	2.20	10.1	ug/Kg	10/20/25 16:02	VW102025
75-00-3	Chloroethane	10.1	U	1	2.50	10.1	ug/Kg	10/20/25 16:02	VW102025
75-69-4	Trichlorofluoromethane	10.1	U	1	2.40	10.1	ug/Kg	10/20/25 16:02	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	10.1	U	1	2.10	10.1	ug/Kg	10/20/25 16:02	VW102025
75-35-4	1,1-Dichloroethene	10.1	U	1	2.00	10.1	ug/Kg	10/20/25 16:02	VW102025
67-64-1	Acetone	320		1	9.60	50.4	ug/Kg	10/20/25 16:02	VW102025
75-15-0	Carbon Disulfide	19.9		1	2.10	10.1	ug/Kg	10/20/25 16:02	VW102025
1634-04-4	Methyl tert-butyl Ether	10.1	U	1	1.50	10.1	ug/Kg	10/20/25 16:02	VW102025
79-20-9	Methyl Acetate	4.90	J	1	3.10	10.1	ug/Kg	10/20/25 16:02	VW102025
75-09-2	Methylene Chloride	20.2	U	1	7.10	20.2	ug/Kg	10/20/25 16:02	VW102025
156-60-5	trans-1,2-Dichloroethene	10.1	U	1	1.70	10.1	ug/Kg	10/20/25 16:02	VW102025
75-34-3	1,1-Dichloroethane	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
110-82-7	Cyclohexane	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
78-93-3	2-Butanone	100		1	13.2	50.4	ug/Kg	10/20/25 16:02	VW102025
56-23-5	Carbon Tetrachloride	10.1	U	1	2.00	10.1	ug/Kg	10/20/25 16:02	VW102025
156-59-2	cis-1,2-Dichloroethene	10.1	U	1	1.50	10.1	ug/Kg	10/20/25 16:02	VW102025
74-97-5	Bromochloromethane	10.1	U	1	2.30	10.1	ug/Kg	10/20/25 16:02	VW102025
67-66-3	Chloroform	10.1	U	1	1.70	10.1	ug/Kg	10/20/25 16:02	VW102025
71-55-6	1,1,1-Trichloroethane	10.1	U	1	1.90	10.1	ug/Kg	10/20/25 16:02	VW102025
108-87-2	Methylcyclohexane	29.1		1	1.80	10.1	ug/Kg	10/20/25 16:02	VW102025
71-43-2	Benzene	9.00	J	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
107-06-2	1,2-Dichloroethane	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
79-01-6	Trichloroethene	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
78-87-5	1,2-Dichloropropane	10.1	U	1	1.80	10.1	ug/Kg	10/20/25 16:02	VW102025
75-27-4	Bromodichloromethane	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
108-10-1	4-Methyl-2-Pentanone	50.4	U	1	7.20	50.4	ug/Kg	10/20/25 16:02	VW102025
108-88-3	Toluene	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
10061-02-6	t-1,3-Dichloropropene	10.1	U	1	1.30	10.1	ug/Kg	10/20/25 16:02	VW102025
10061-01-5	cis-1,3-Dichloropropene	10.1	U	1	1.30	10.1	ug/Kg	10/20/25 16:02	VW102025
79-00-5	1,1,2-Trichloroethane	10.1	U	1	1.90	10.1	ug/Kg	10/20/25 16:02	VW102025
591-78-6	2-Hexanone	50.4	U	1	7.40	50.4	ug/Kg	10/20/25 16:02	VW102025
124-48-1	Dibromochloromethane	10.1	U	1	1.80	10.1	ug/Kg	10/20/25 16:02	VW102025
106-93-4	1,2-Dibromoethane	10.1	U	1	1.80	10.1	ug/Kg	10/20/25 16:02	VW102025
127-18-4	Tetrachloroethene	10.1	U	1	2.10	10.1	ug/Kg	10/20/25 16:02	VW102025
108-90-7	Chlorobenzene	10.1	U	1	1.80	10.1	ug/Kg	10/20/25 16:02	VW102025
100-41-4	Ethyl Benzene	2.70	J	1	1.40	10.1	ug/Kg	10/20/25 16:02	VW102025
179601-23-1	m/p-Xylenes	14.5	J	1	2.50	20.2	ug/Kg	10/20/25 16:02	VW102025
95-47-6	o-Xylene	26.4		1	1.70	10.1	ug/Kg	10/20/25 16:02	VW102025
100-42-5	Styrene	10.1	U	1	1.40	10.1	ug/Kg	10/20/25 16:02	VW102025
75-25-2	Bromoform	10.1	U	1	1.70	10.1	ug/Kg	10/20/25 16:02	VW102025

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-202510	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	51.3
Sample Wt/Vol:	4.83 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	10.1	U	1	1.60	10.1	ug/Kg	10/20/25 16:02	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	10.1	U	1	2.40	10.1	ug/Kg	10/20/25 16:02	VW102025
541-73-1	1,3-Dichlorobenzene	10.1	U	1	3.50	10.1	ug/Kg	10/20/25 16:02	VW102025
106-46-7	1,4-Dichlorobenzene	10.1	U	1	3.10	10.1	ug/Kg	10/20/25 16:02	VW102025
95-50-1	1,2-Dichlorobenzene	10.1	U	1	2.90	10.1	ug/Kg	10/20/25 16:02	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	10.1	U	1	3.70	10.1	ug/Kg	10/20/25 16:02	VW102025
120-82-1	1,2,4-Trichlorobenzene	10.1	U	1	6.00	10.1	ug/Kg	10/20/25 16:02	VW102025
87-61-6	1,2,3-Trichlorobenzene	10.1	U	1	6.40	10.1	ug/Kg	10/20/25 16:02	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.6			63 - 155	121%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	52.7			74 - 123	105%	SPK: 50		
460-00-4	4-Bromofluorobenzene	68.1			17 - 146	136%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	229000							
540-36-3	1,4-Difluorobenzene	505000							
3114-55-4	Chlorobenzene-d5	503000							
3855-82-1	1,4-Dichlorobenzene-d4	263000							
TENTATIVE IDENTIFIED COMPOUNDS									
002051-30-1	Octane, 2,6-dimethyl-	200	J			12.3	ug/Kg		
108-67-8	1,3,5-Trimethylbenzene	6.40	J			12.9	ug/Kg		
000141-70-8	Heptane, 2,2,6,6-tetramethyl-4-met	320	J			13.1	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	12.6	J			13.2	ug/Kg		
000091-17-8	Naphthalene, decahydro-	210	J			13.9	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	180	J			14.8	ug/Kg		

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

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

Sample Results: **VW032391.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032391.D
Acq On : 20 Oct 2025 16:02
Operator : SY/MD
Sample : Q3376-04
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 01:29:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	228874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	504890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	502710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	262504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	202348	60.615	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 121.220%			
35) Dibromofluoromethane	7.904	113	174367	53.328	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 106.660%			
50) Toluene-d8	10.325	98	636003	52.702	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 105.400%			
62) 4-Bromofluorobenzene	12.617	95	310757	68.130	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 136.260%			
Target Compounds						Qvalue
16) Acetone	4.161	43	148038	160.155	ug/l	98
17) Carbon Disulfide	4.423	76	69495	9.874	ug/l	100
18) Methyl Acetate	4.716	43	6477	2.446	ug/l	99
25) 2-Butanone	7.197	43	64125	50.937	ug/l	95
39) Methylcyclohexane	9.343	83	80383m	14.441	ug/l	
40) Benzene	8.337	78	64494	4.459	ug/l	94
67) Ethyl Benzene	11.733	91	24990	1.355	ug/l	99
68) m/p-Xylenes	11.837	106	51068	7.183	ug/l	90
69) o-Xylene	12.166	106	86936	13.076	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	49348	3.178	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	98535	6.240	ug/l	100

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

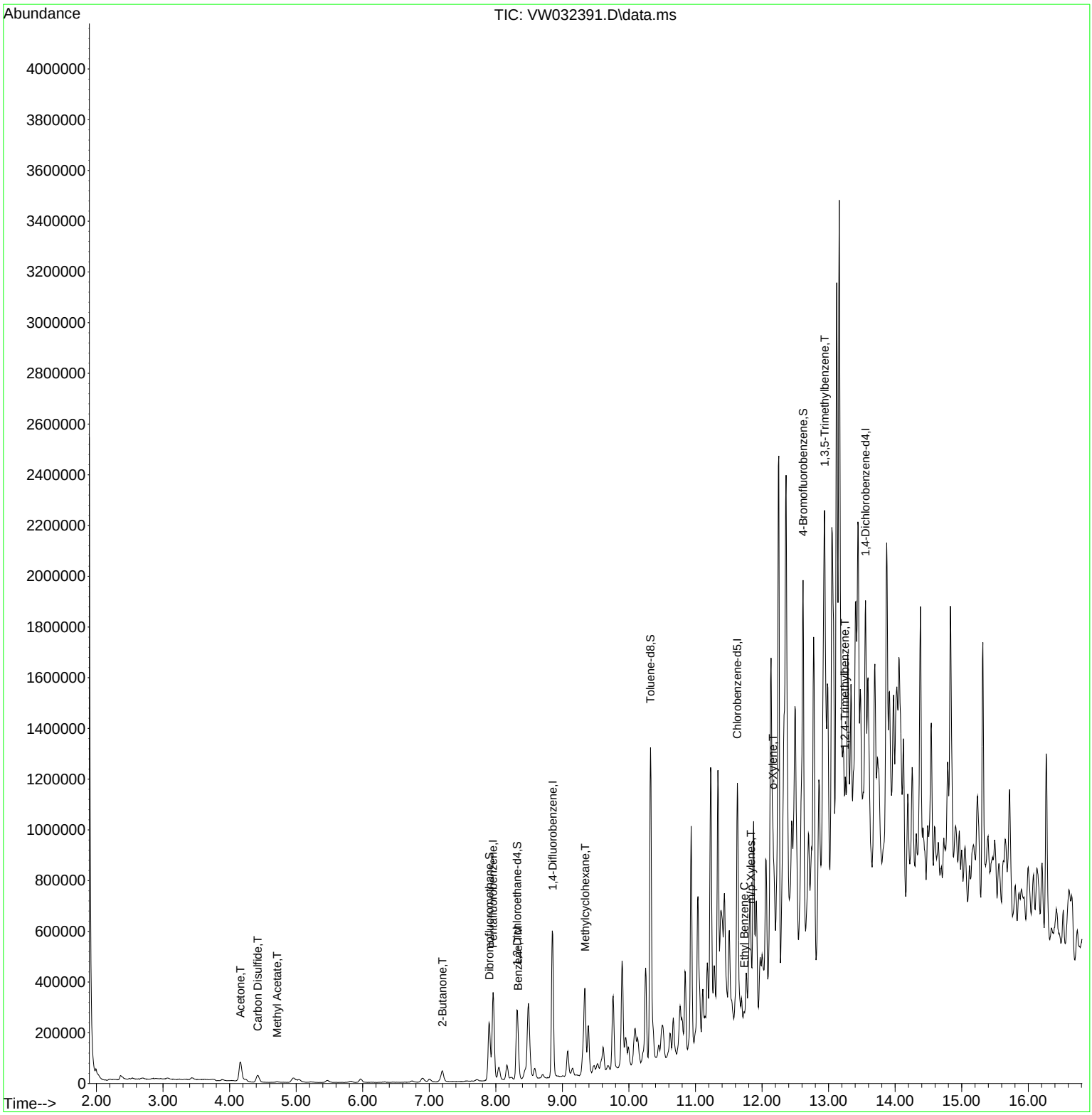
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032391.D
Acq On : 20 Oct 2025 16:02
Operator : SY/MD
Sample : Q3376-04
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

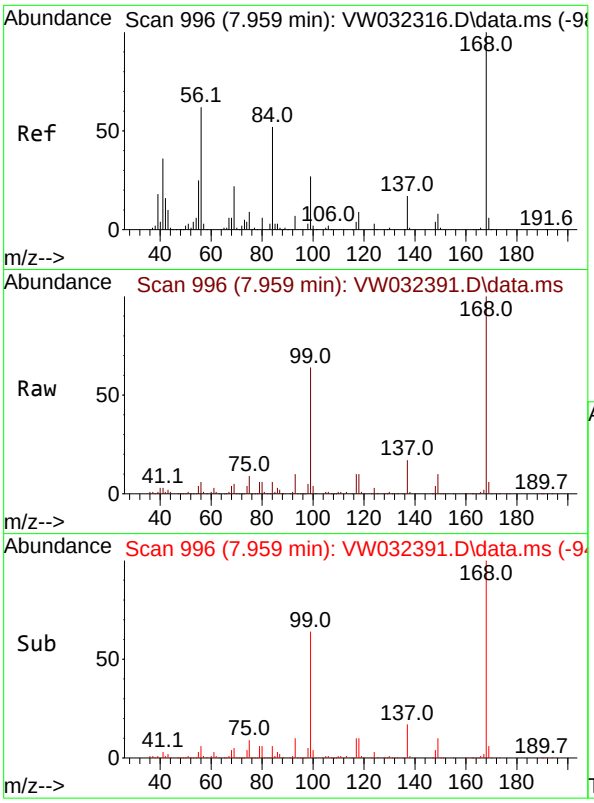
Quant Time: Oct 21 01:29:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

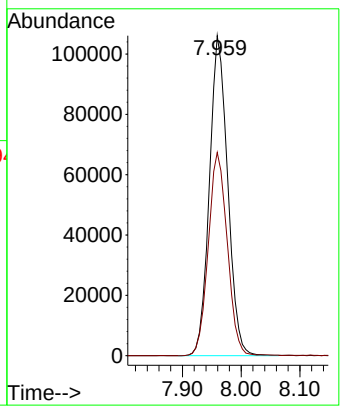
Tgt Ion:168 Resp: 22887

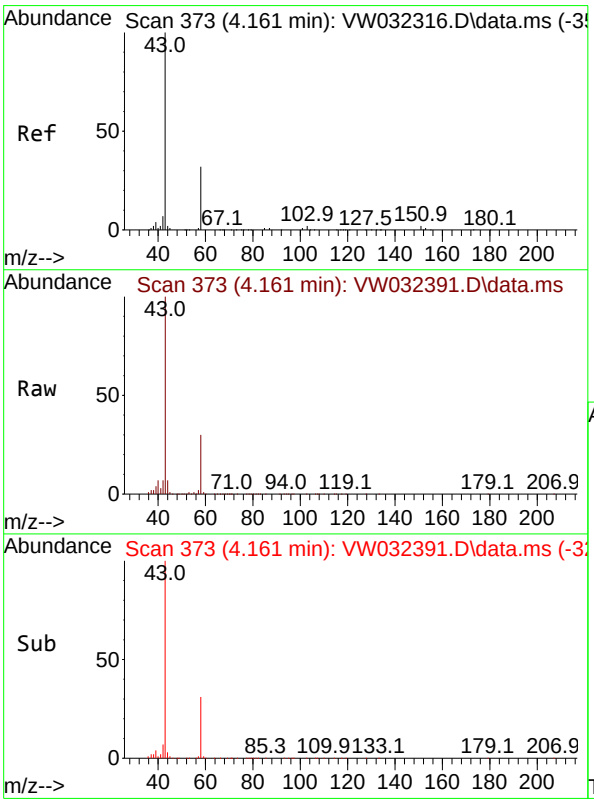
Ion	Ratio	Lower	Upper
168	100		
99	63.5	49.3	73.9

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Manual Integrations
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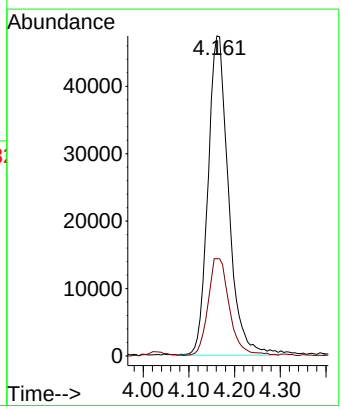


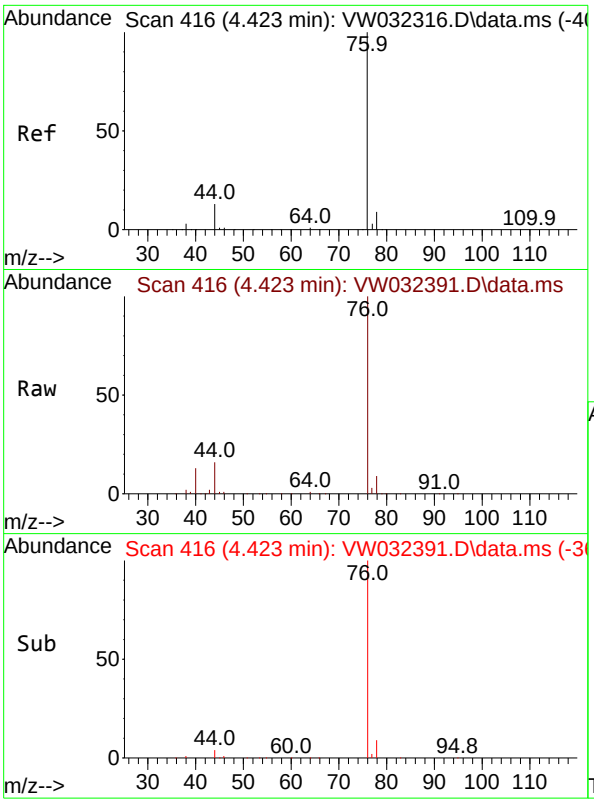


#16
Acetone
Concen: 160.155 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Tgt Ion: 43 Resp: 148038

Ion	Ratio	Lower	Upper
43	100		
58	30.2	25.3	37.9

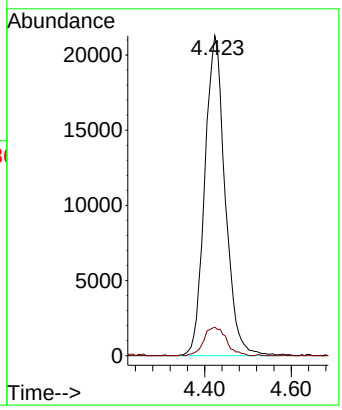




#17
Carbon Disulfide
Concen: 9.874 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Tgt Ion: 76 Resp: 6949

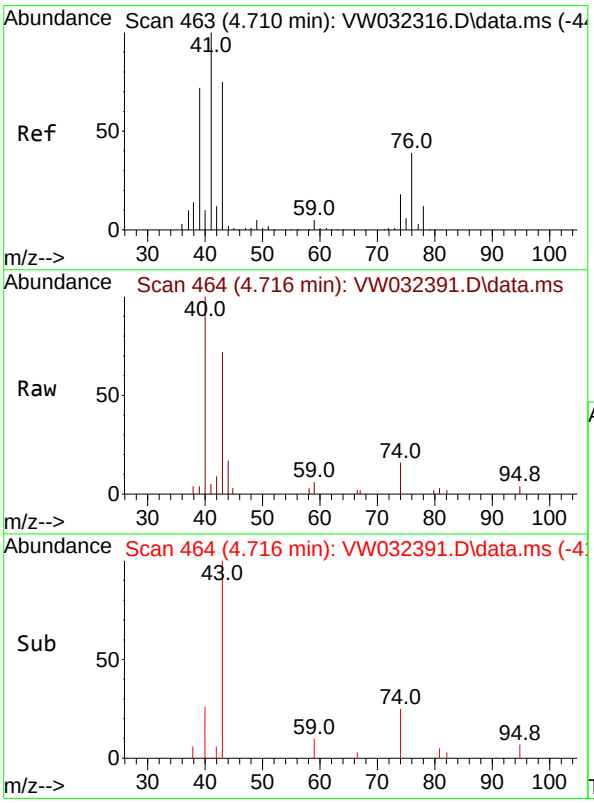
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6



Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Manual Integrations
APPROVED

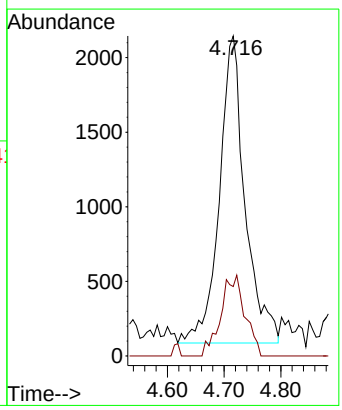
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

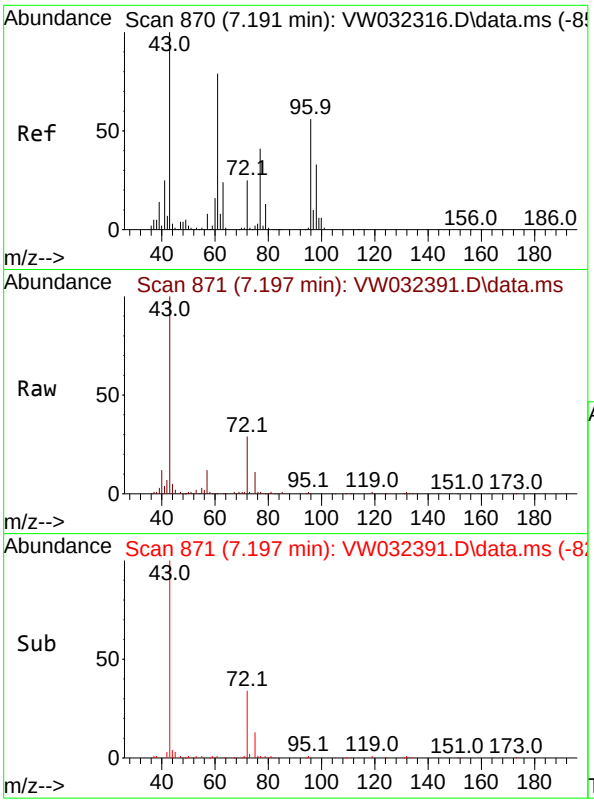


#18
Methyl Acetate
Concen: 2.446 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Tgt Ion: 43 Resp: 6477

Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.2	30.4





#25
2-Butanone
Concen: 50.937 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

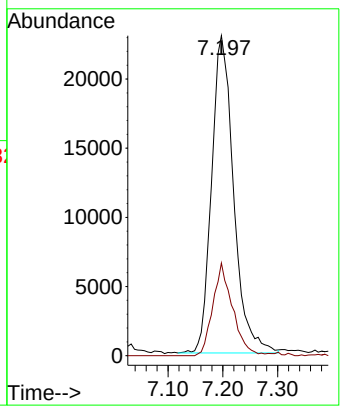
Tgt Ion: 43 Resp: 6412

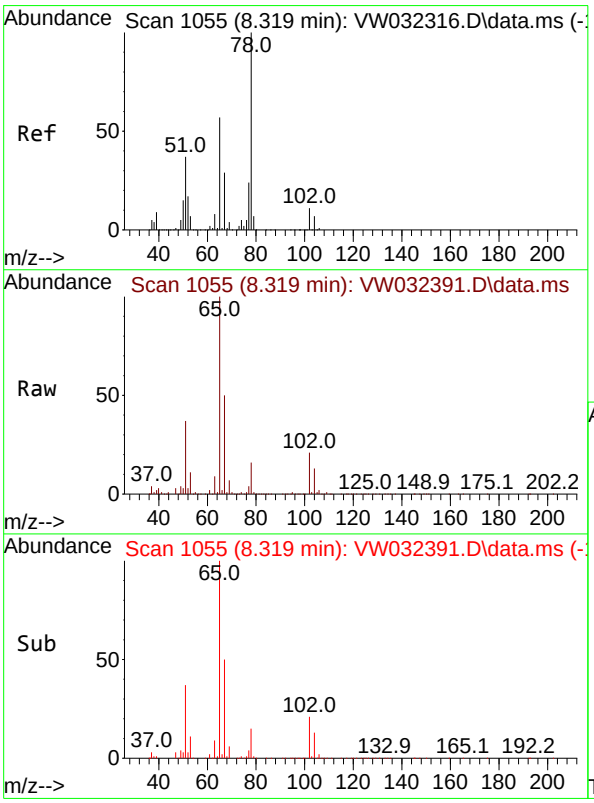
Ion	Ratio	Lower	Upper
43	100		
72	29.2	21.4	32.2

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

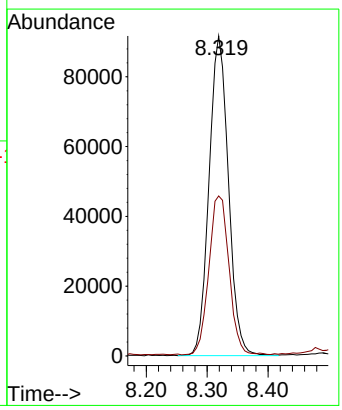


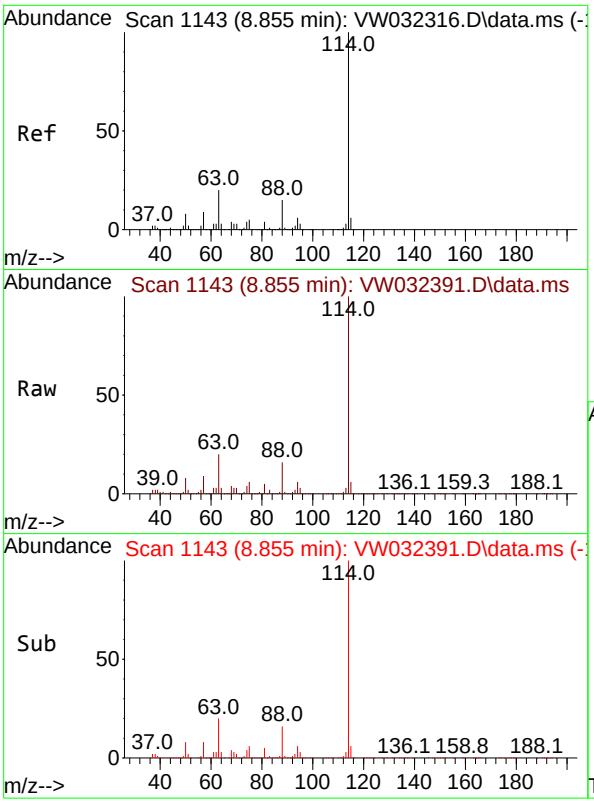


#33
1,2-Dichloroethane-d4
Concen: 60.615 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Tgt Ion: 65 Resp: 202348

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	99.6





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

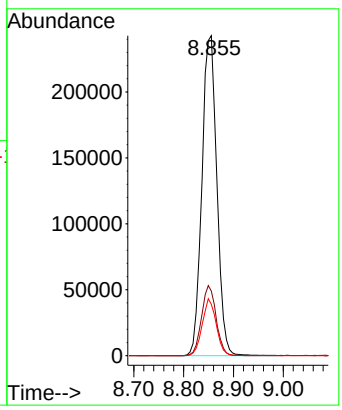
Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

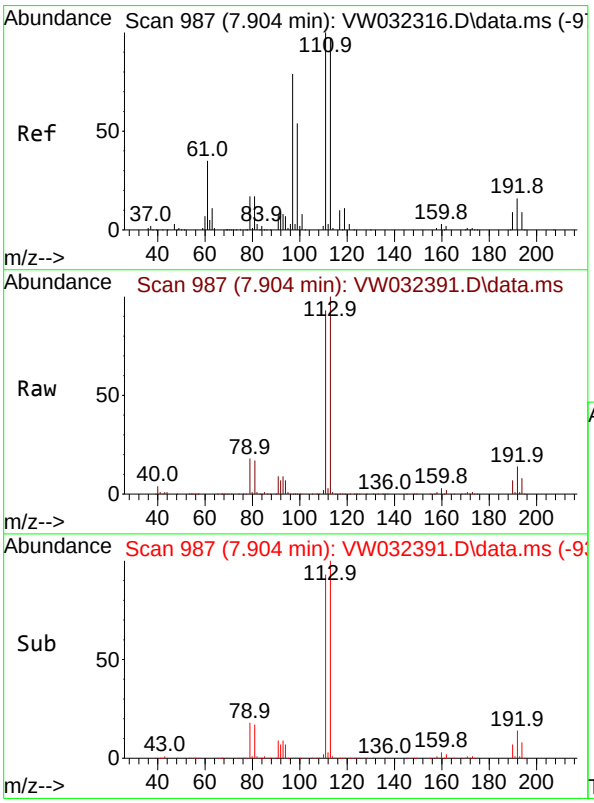
Tgt Ion:114 Resp: 50489

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.4
88	16.0	0.0	32.0

Manual Integrations
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Supervised By :Semsettin Yesilyurt 10/21/2025

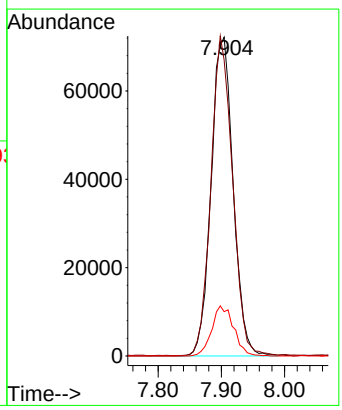


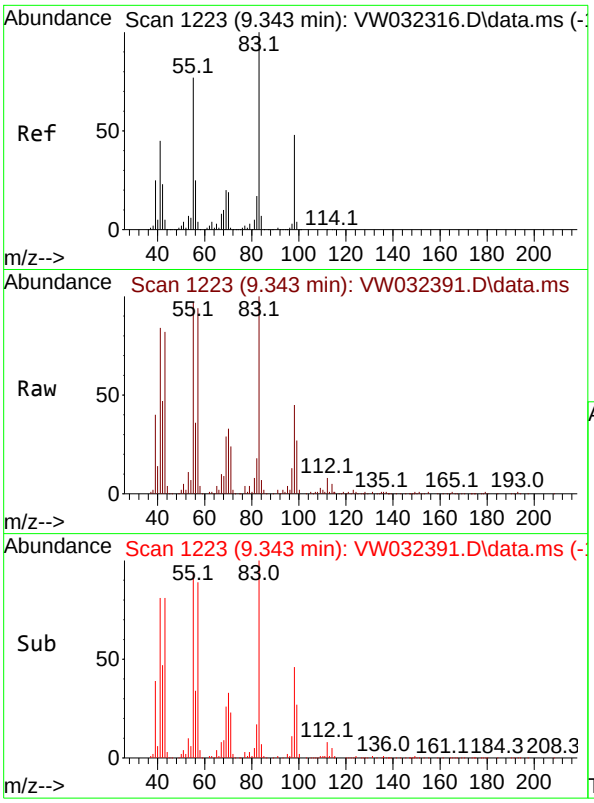


#35
Dibromofluoromethane
Concen: 53.328 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Tgt Ion:113 Resp: 174367

Ion	Ratio	Lower	Upper
113	100		
111	98.3	83.9	125.9
192	15.7	14.6	21.8

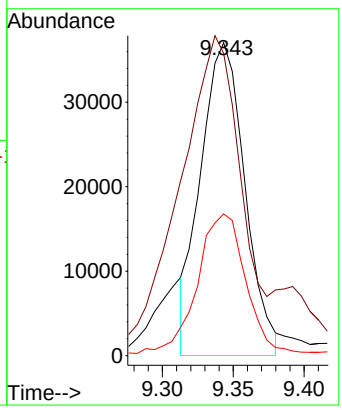




#39
Methylcyclohexane
Concen: 14.441 ug/l m
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Tgt Ion: 83 Resp: 8038

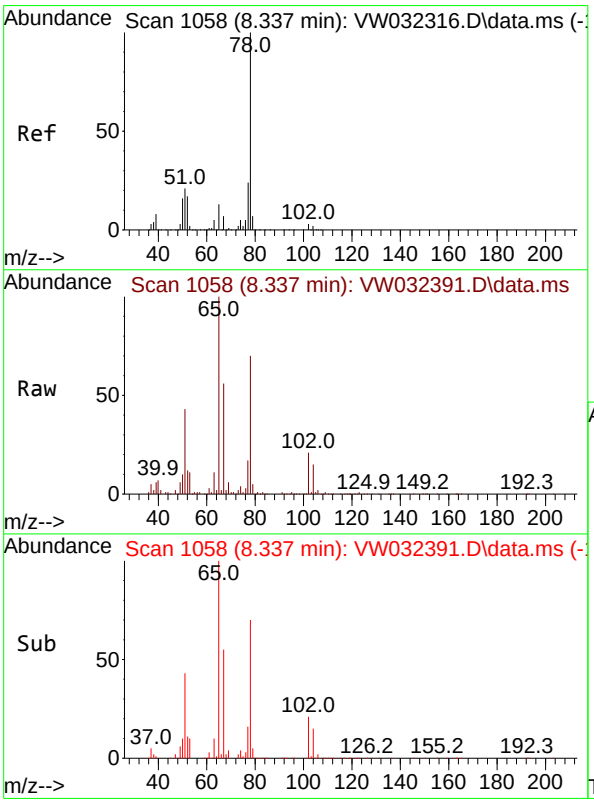
Ion	Ratio	Lower	Upper
83	100		
55	96.6	58.4	87.6
98	45.3	39.4	59.2



Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Manual Integrations
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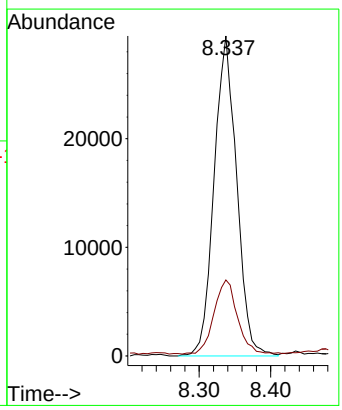
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

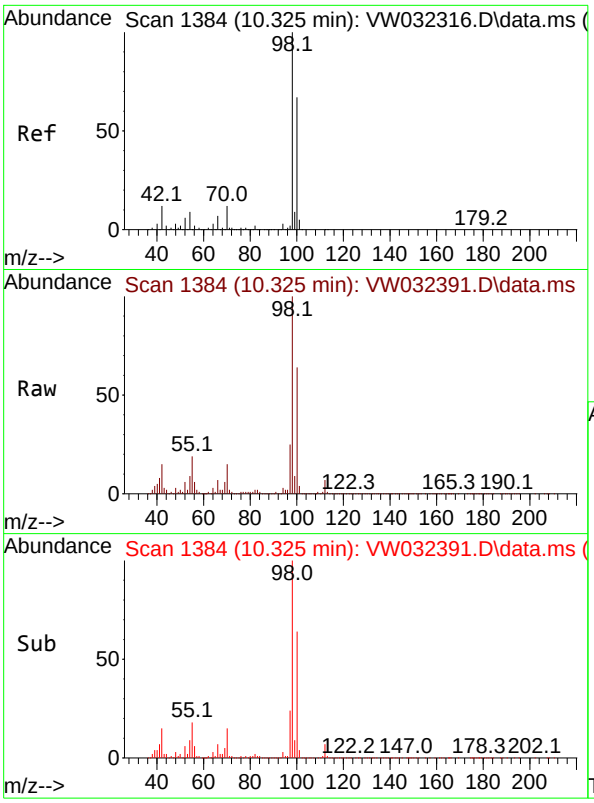


#40
Benzene
Concen: 4.459 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Tgt Ion: 78 Resp: 64494

Ion	Ratio	Lower	Upper
78	100		
77	23.0	20.7	31.1





#50
Toluene-d8
Concen: 52.702 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

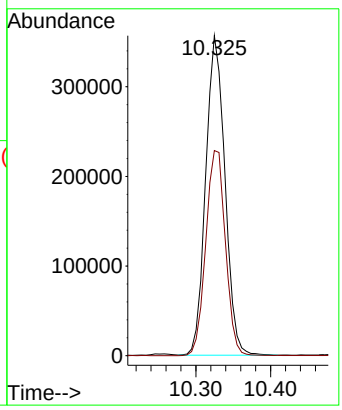
Tgt Ion: 98 Resp: 63600

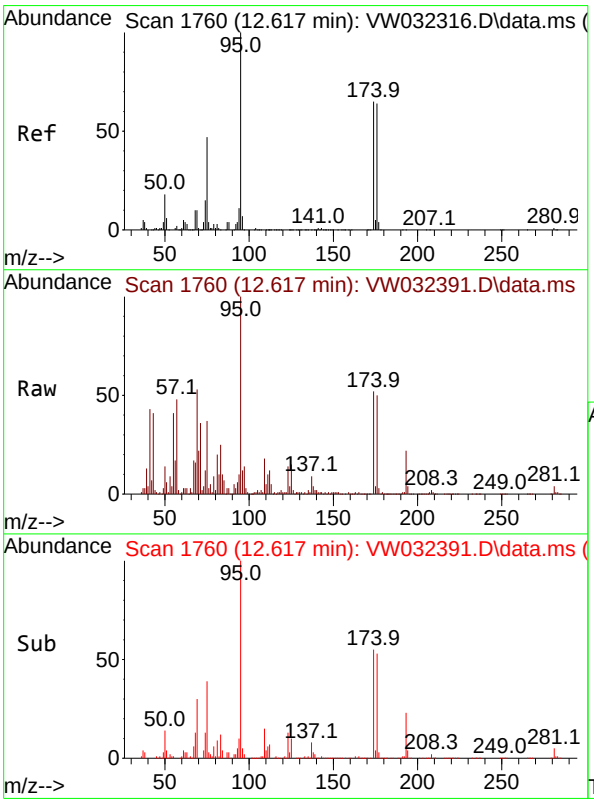
Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.4	77.2

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Manual Integrations
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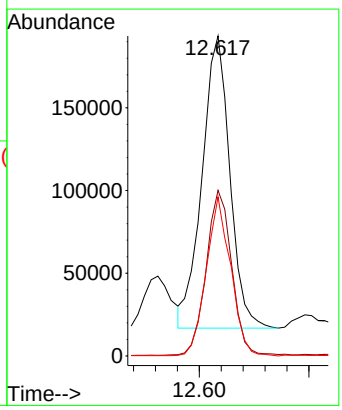


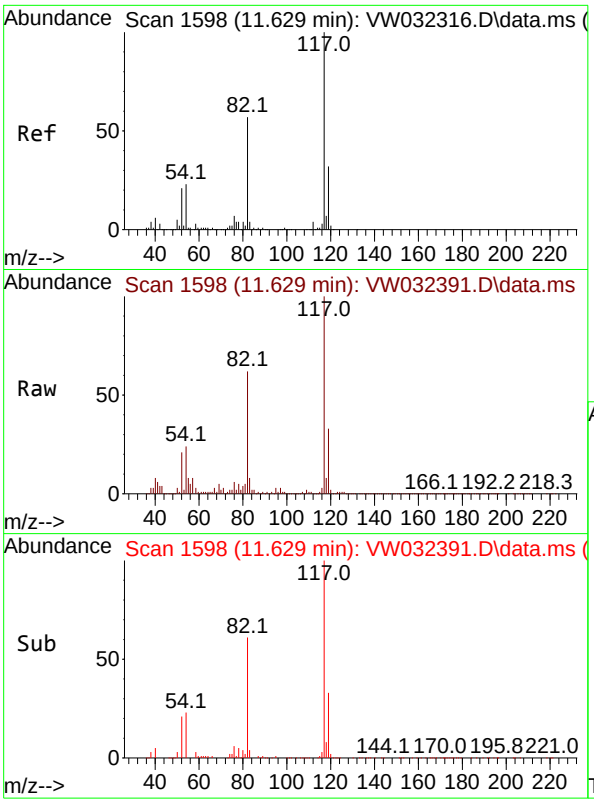


#62
4-Bromofluorobenzene
Concen: 68.130 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Tgt Ion: 95 Resp: 310757

Ion	Ratio	Lower	Upper
95	100		
174	52.1	0.0	145.6
176	48.0	0.0	140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

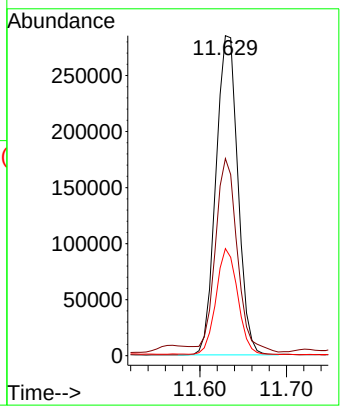
Tgt Ion:117 Resp: 50271

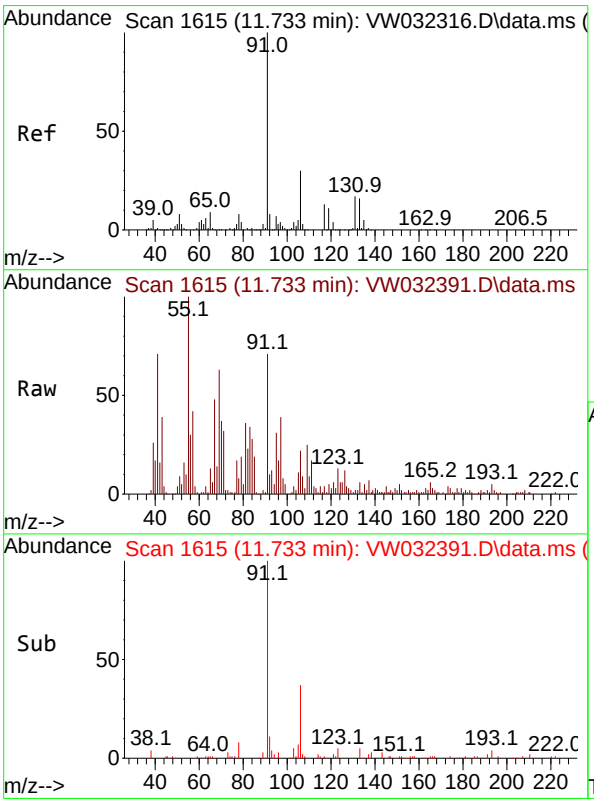
Ion	Ratio	Lower	Upper
117	100		
82	60.6	42.7	64.1
119	33.1	25.2	37.8

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Manual Integrations
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Supervised By :Semsettin Yesilyurt 10/21/2025

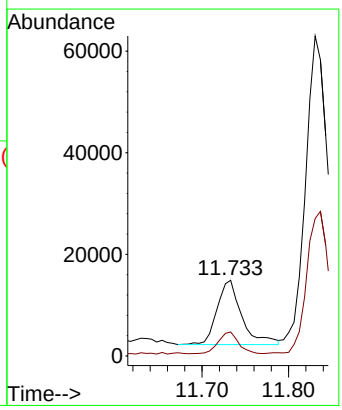


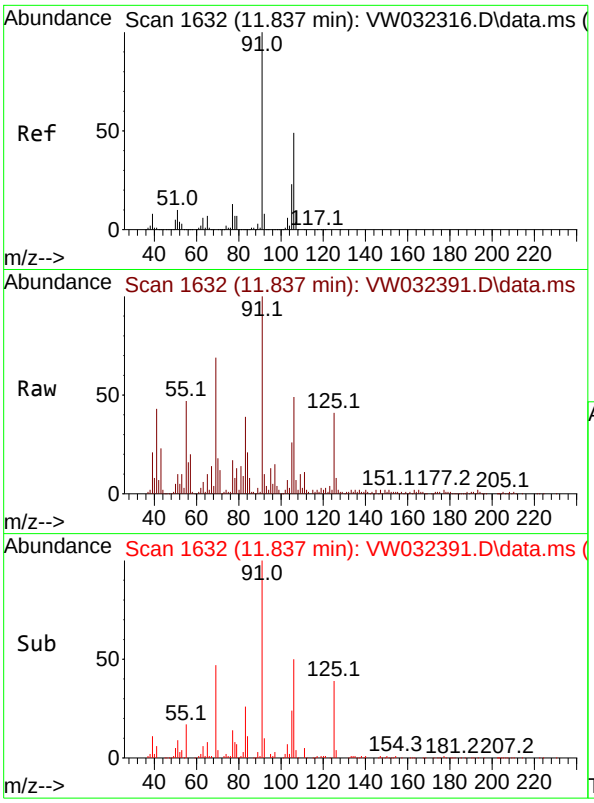


#67
Ethyl Benzene
Concen: 1.355 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Tgt Ion: 91 Resp: 24990

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.3	37.9





#68
m/p-Xylenes
Concen: 7.183 ug/l
RT: 11.837 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

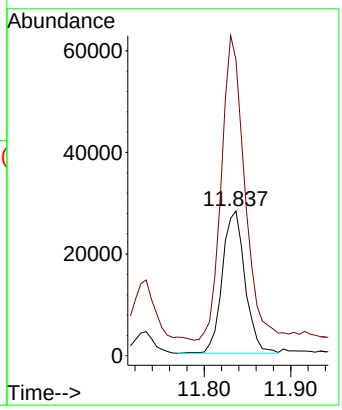
Tgt Ion:106 Resp: 5106

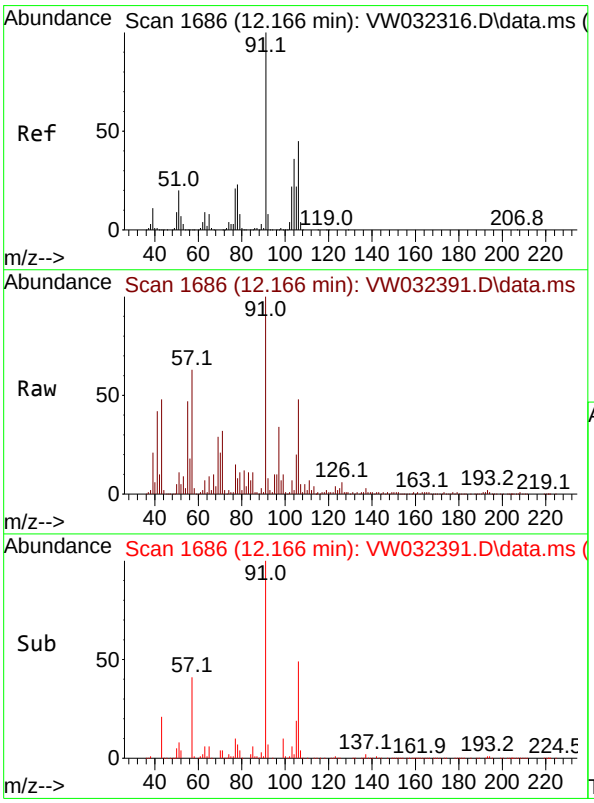
Ion	Ratio	Lower	Upper
106	100		
91	220.6	164.2	246.2

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Manual Integrations
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Supervised By :Semsettin Yesilyurt 10/21/2025

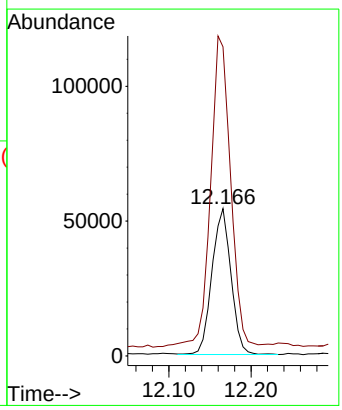


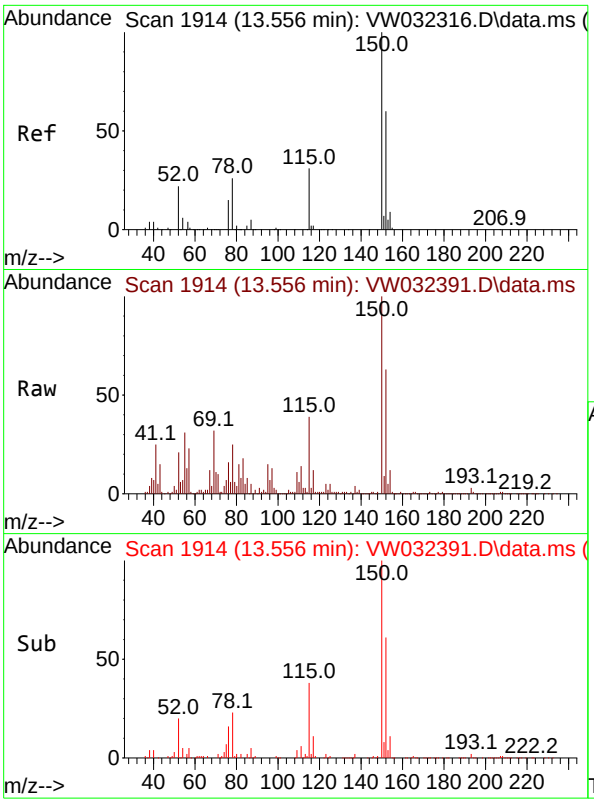


#69
o-Xylene
Concen: 13.076 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Tgt Ion:106 Resp: 86936

Ion	Ratio	Lower	Upper
106	100		
91	222.8	108.7	326.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

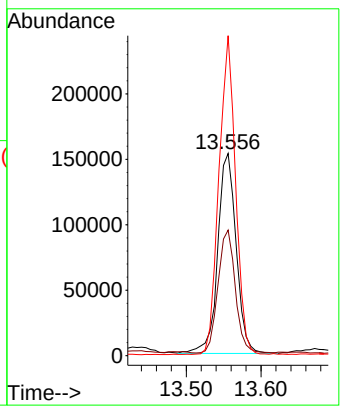
Tgt Ion:152 Resp: 26250

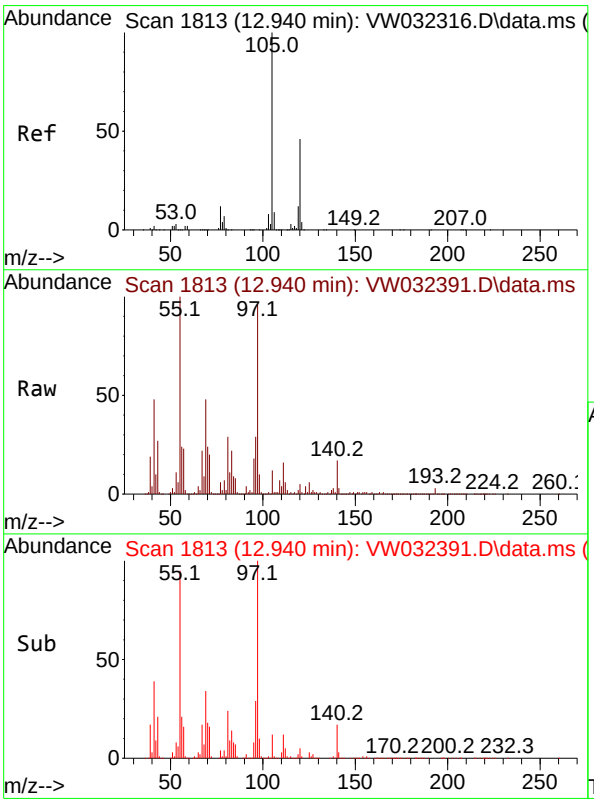
Ion	Ratio	Lower	Upper
152	100		
115	57.4	31.8	95.4
150	144.2	0.0	343.0

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

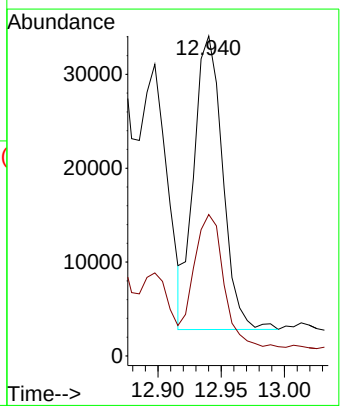


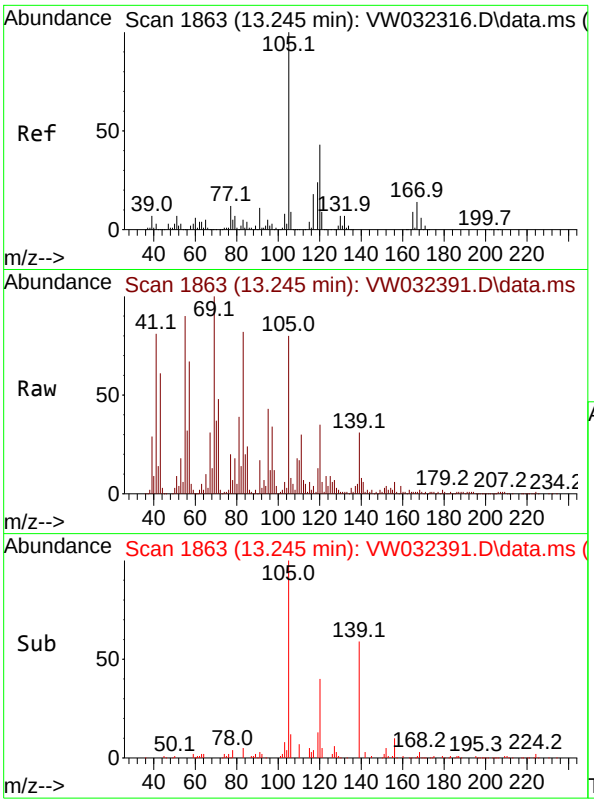


#80
1,3,5-Trimethylbenzene
Concen: 3.178 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Tgt Ion:105 Resp: 49348

Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.8	74.4

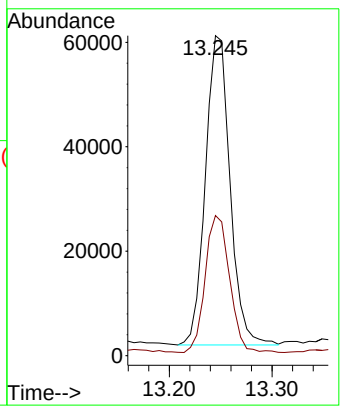




#84
1,2,4-Trimethylbenzene
Concen: 6.240 ug/l
RT: 13.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Tgt Ion:105 Resp: 9853

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.3



Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Sample Results: **VW032391.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032391.D
Acq On : 20 Oct 2025 16:02
Operator : SY/MD
Sample : Q3376-04
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Title : SW846 8260

Signal : TIC: VW032391.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.991	15	17	38	rVB2	44830	131758	2.08%	0.154%
2	4.167	361	374	383	rBV	74067	228588	3.62%	0.266%
3	4.423	405	416	431	rVB	27500	93979	1.49%	0.110%
4	7.197	859	871	884	rBV2	43484	141112	2.23%	0.164%
5	7.898	976	986	991	rBV	229218	562885	8.90%	0.656%
6	7.959	991	996	1004	rVV	345481	785956	12.43%	0.916%
7	8.045	1004	1010	1018	rVB2	47932	123065	1.95%	0.143%
8	8.167	1023	1030	1037	rBV2	57989	134749	2.13%	0.157%
9	8.319	1047	1055	1066	rBV2	272605	674979	10.67%	0.787%
10	8.490	1067	1083	1093	rVV	297359	892677	14.12%	1.040%
11	8.587	1094	1099	1106	rVB2	38682	88157	1.39%	0.103%
12	8.849	1134	1142	1153	rBV	579817	1221781	19.32%	1.424%
13	9.081	1173	1180	1187	rBV2	98051	219222	3.47%	0.255%
14	9.337	1211	1222	1227	rBV4	341376	890639	14.09%	1.038%
15	9.392	1227	1231	1239	rVB	184917	362379	5.73%	0.422%
16	9.611	1258	1267	1273	rVB3	88782	224943	3.56%	0.262%
17	9.764	1285	1292	1302	rBV2	287254	621771	9.83%	0.725%
18	9.898	1307	1314	1319	rBV	412290	831286	13.15%	0.969%
19	9.953	1320	1323	1327	rVB3	63330	102030	1.61%	0.119%
20	9.989	1327	1329	1336	rVB	71465	116631	1.84%	0.136%
21	10.093	1338	1346	1350	rBV3	138728	375790	5.94%	0.438%
22	10.252	1362	1372	1378	rBV2	366179	738961	11.69%	0.861%
23	10.325	1378	1384	1398	rVV	1230391	2438864	38.57%	2.842%
24	10.447	1400	1404	1407	rVV	52939	98905	1.56%	0.115%
25	10.502	1407	1413	1422	rVB5	128904	382910	6.06%	0.446%
26	10.617	1428	1432	1436	rBV3	71769	122230	1.93%	0.142%
27	10.666	1436	1440	1448	rVB	143154	257025	4.06%	0.300%
28	10.770	1451	1457	1460	rBV3	165570	346051	5.47%	0.403%
29	10.843	1465	1469	1475	rVB	307982	524023	8.29%	0.611%
30	10.934	1478	1484	1491	rVB	854117	1370831	21.68%	1.598%
31	11.038	1495	1501	1509	rVB	534502	1109224	17.54%	1.293%
32	11.111	1509	1513	1517	rBV	169086	281484	4.45%	0.328%
33	11.178	1520	1524	1527	rVV	223436	341416	5.40%	0.398%
34	11.227	1527	1532	1538	rVV	979911	1855812	29.35%	2.163%
35	11.282	1538	1541	1545	rVV5	187889	336274	5.32%	0.392%
36	11.337	1545	1550	1554	rVV	945635	1679387	26.56%	1.957%

Sample Results: **VW032391.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032391.D
Acq On : 20 Oct 2025 16:02
Operator : SY/MD
Sample : Q3376-04
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Title : SW846 8260

37	11.386	1554	1558	1563	rVV3	380309	1107771	17.52%	1.291%
38	11.434	1563	1566	1574	rVV	433012	865303	13.68%	1.008%
39	11.507	1574	1578	1583	rVB	274372	438022	6.93%	0.510%
40	11.629	1590	1598	1606	rBV	923902	1794170	28.37%	2.091%
41	11.764	1616	1620	1623	rBV2	157452	239257	3.78%	0.279%
42	11.818	1623	1629	1634	rVV4	409328	940403	14.87%	1.096%
43	11.873	1634	1638	1642	rVV	654369	1119415	17.70%	1.305%
44	11.916	1642	1645	1650	rVB2	420430	642713	10.16%	0.749%
45	11.971	1650	1654	1657	rBV3	198302	364536	5.77%	0.425%
46	12.056	1664	1668	1673	rVB2	473287	802578	12.69%	0.935%
47	12.135	1674	1681	1692	rBV4	1255931	3735975	59.08%	4.354%
48	12.251	1692	1700	1704	rVB	1999376	3520666	55.68%	4.103%
49	12.361	1704	1718	1726	rBV3	1923056	6323144	100.00%	7.369%
50	12.446	1729	1732	1735	rVV4	412160	748330	11.83%	0.872%
51	12.495	1737	1740	1749	rVB4	919249	2006708	31.74%	2.339%
52	12.617	1752	1760	1766	rVB4	1383744	3008561	47.58%	3.506%
53	12.696	1770	1773	1777	rVV4	244899	347106	5.49%	0.405%
54	12.776	1782	1786	1792	rVB2	1273466	2314673	36.61%	2.698%
55	12.855	1793	1799	1804	rBV4	691512	1685495	26.66%	1.964%
56	12.940	1805	1813	1818	rBV7	1383991	3667835	58.01%	4.275%
57	13.050	1826	1831	1838	rBV	1350171	3379155	53.44%	3.938%
58	13.123	1838	1843	1846	rVV	2116022	3450073	54.56%	4.021%
59	13.160	1846	1849	1857	rVB	2236970	3795264	60.02%	4.423%
60	13.288	1867	1870	1874	rBV	543332	746297	11.80%	0.870%
61	13.336	1875	1878	1882	rVB2	460356	578669	9.15%	0.674%
62	13.410	1886	1890	1892	rBV	618542	1032495	16.33%	1.203%
63	13.440	1893	1895	1899	rVB2	801022	1067542	16.88%	1.244%
64	13.556	1910	1914	1917	rBV	718587	1072278	16.96%	1.250%
65	13.696	1932	1937	1941	rBV4	715525	1424929	22.54%	1.661%
66	13.873	1961	1966	1970	rBV2	1139463	2216324	35.05%	2.583%
67	13.977	1980	1983	1986	rBV4	288331	353797	5.60%	0.412%
68	14.190	2014	2018	2023	rBV5	382477	724491	11.46%	0.844%
69	14.257	2026	2029	2036	rVB5	404813	719896	11.39%	0.839%
70	14.379	2044	2049	2054	rBV2	932775	1477735	23.37%	1.722%
71	14.543	2073	2076	2081	rVB4	562389	852466	13.48%	0.993%
72	14.787	2113	2116	2119	rBV4	303542	491734	7.78%	0.573%
73	14.830	2119	2123	2131	rVB	989585	1904762	30.12%	2.220%
74	15.318	2198	2203	2210	rBV2	1006115	1814513	28.70%	2.115%
75	15.720	2266	2269	2276	rVB5	501066	934744	14.78%	1.089%
76	16.269	2355	2359	2368	rVB	733660	1387477	21.94%	1.617%

Sample Results: **VW032391.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032391.D
Acq On : 20 Oct 2025 16:02
Operator : SY/MD
Sample : Q3376-04
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Title : SW846 8260

Sum of corrected areas: 85805076

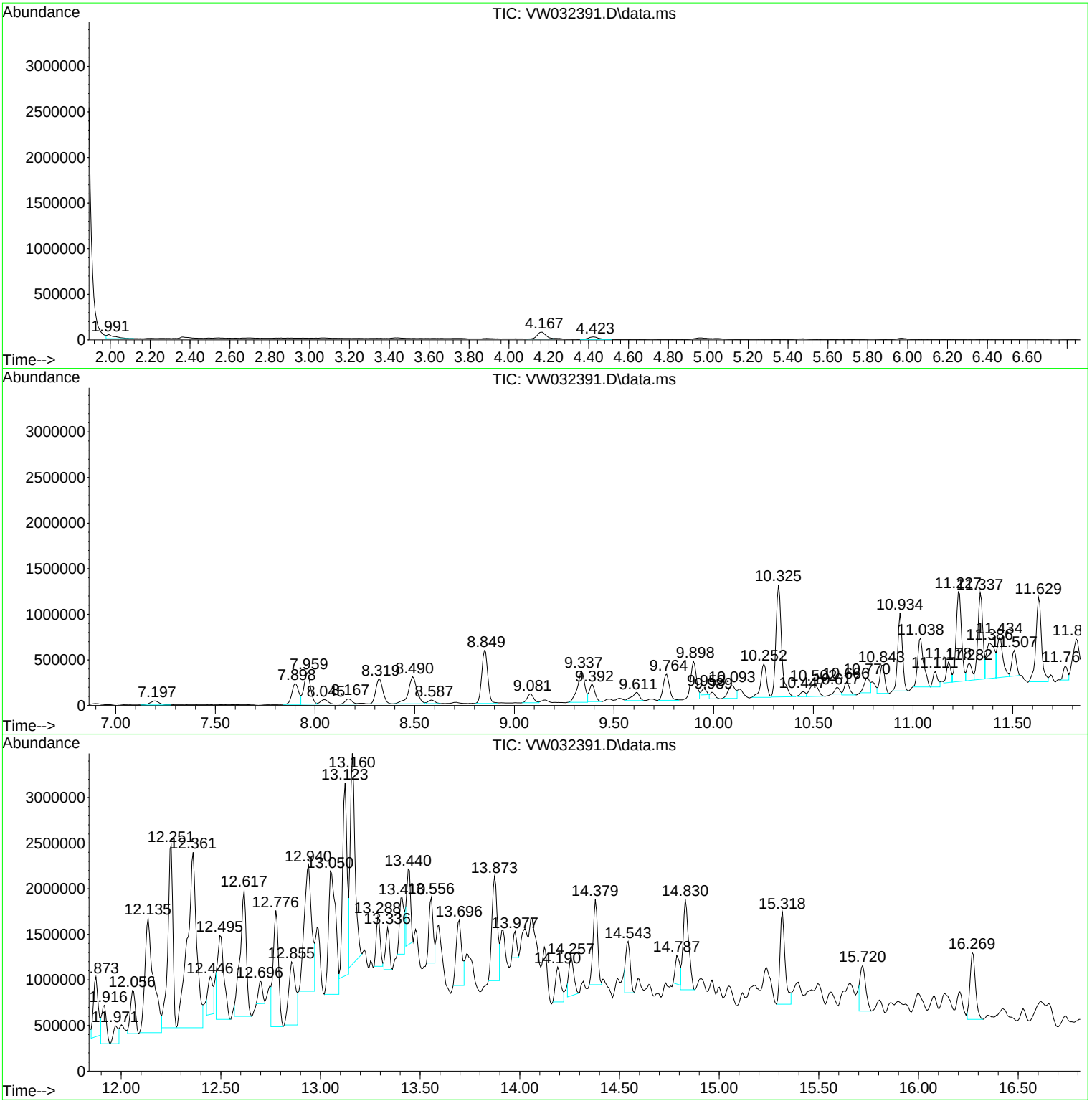
Sample Results: **VW032391.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032391.D
Acq On : 20 Oct 2025 16:02
Operator : SY/MD
Sample : Q3376-04
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032391.D
Acq On : 20 Oct 2025 16:02
Operator : SY/MD
Sample : Q3376-04
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

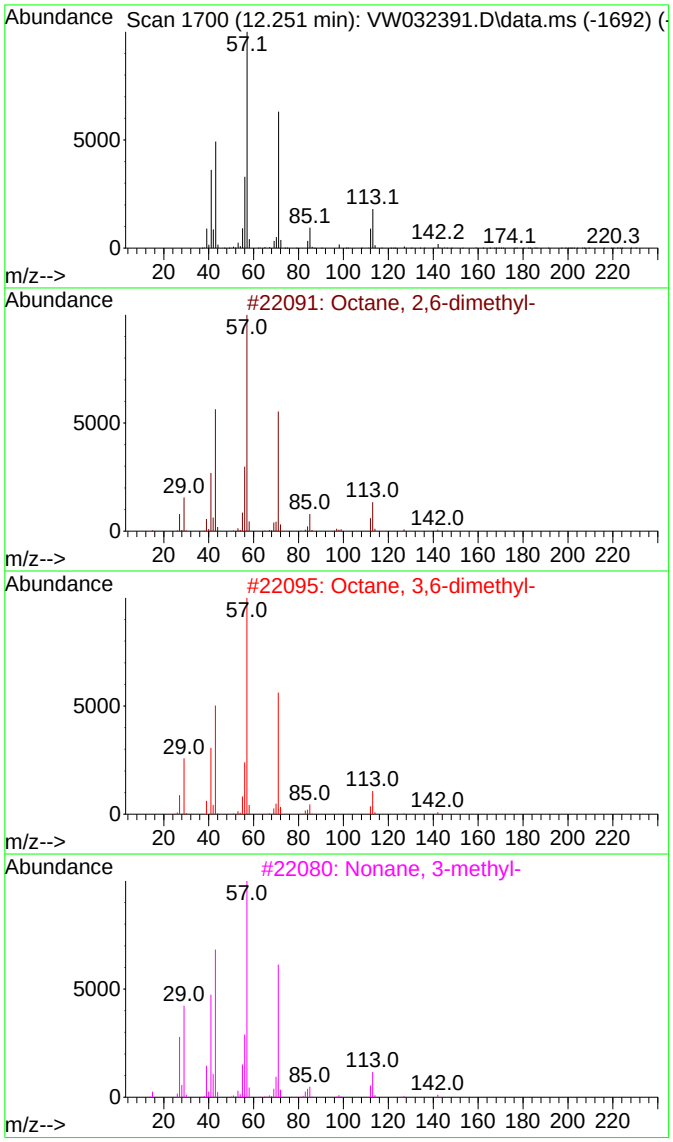
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Quant Title : SW846 8260

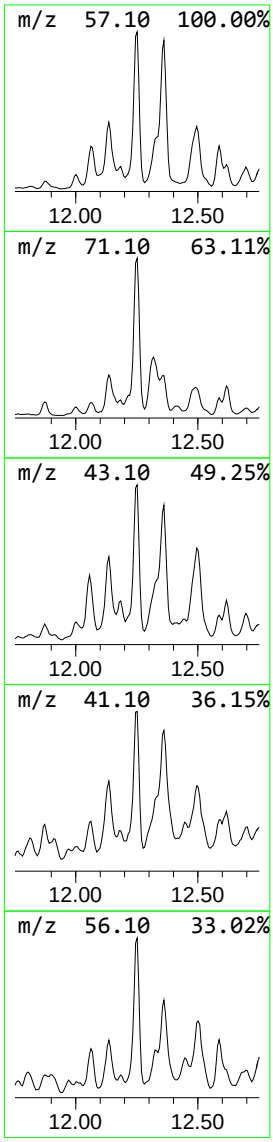
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	98.11 ug/l	3520670	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	86
4	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	72
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032391.D
Acq On : 20 Oct 2025 16:02
Operator : SY/MD
Sample : Q3376-04
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

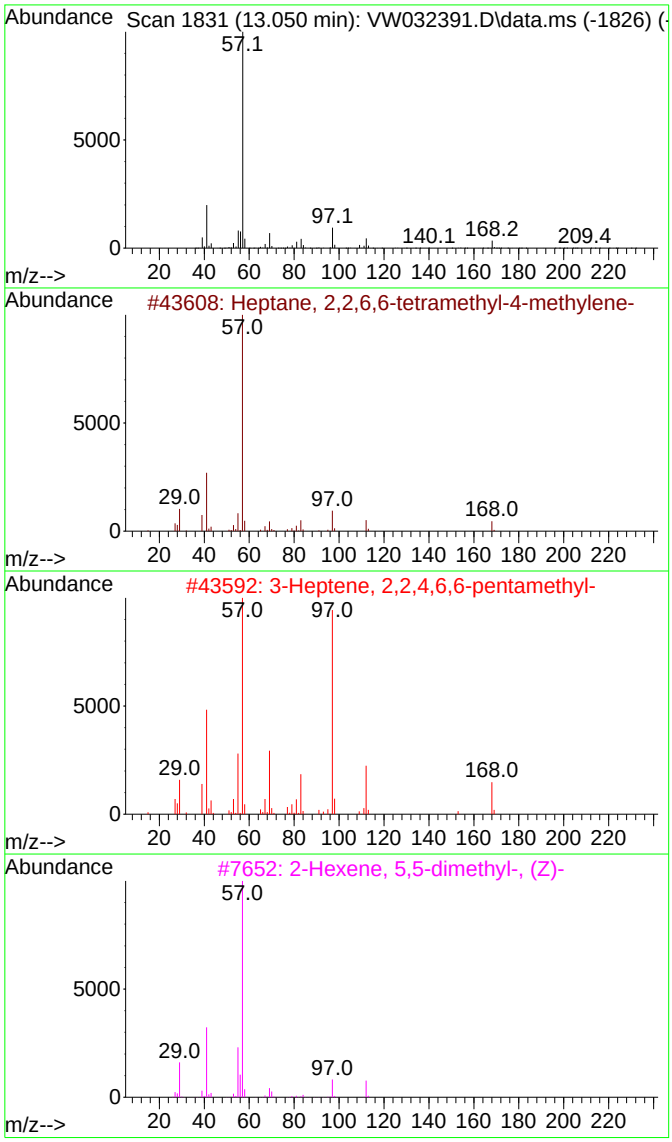
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

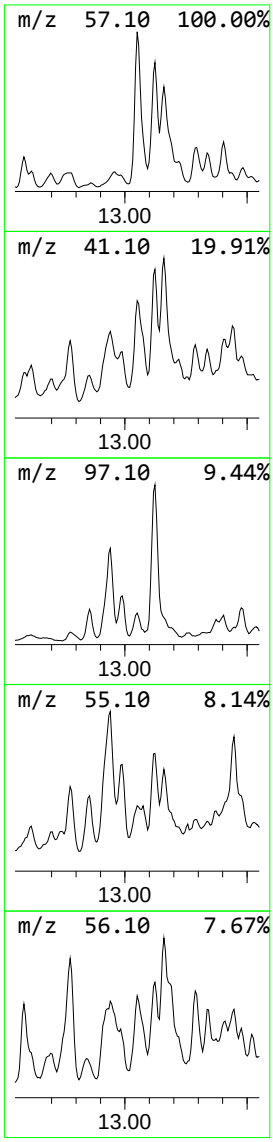
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Heptane, 2,2,6,6-tetramethy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.050	157.57 ug/l	3379160	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,6,6-tetramethyl-4-m...	168	C12H24	000141-70-8	87
2	3-Heptene, 2,2,4,6,6-pentamethyl-	168	C12H24	000123-48-8	53
3	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	50
4	4-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055534-69-5	47
5	Carbonic acid, but-2-yn-1-yl oct...	366	C23H42O3	1000383-21-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032391.D
Acq On : 20 Oct 2025 16:02
Operator : SY/MD
Sample : Q3376-04
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

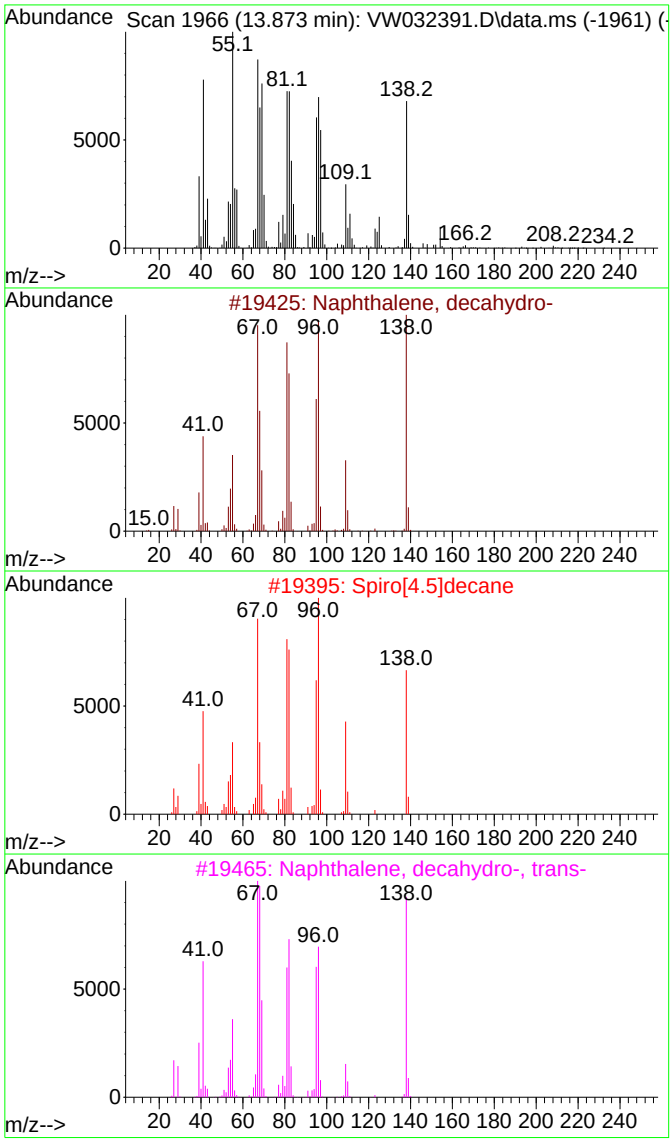
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

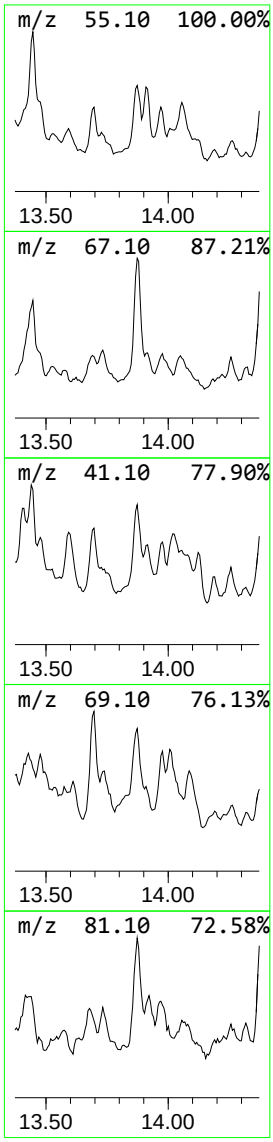
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, decahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.873	103.35 ug/l	2216320	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	95
2	Spiro[4.5]decane	138	C10H18	000176-63-6	95
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
4	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	90
5	9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032391.D
Acq On : 20 Oct 2025 16:02
Operator : SY/MD
Sample : Q3376-04
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
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Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

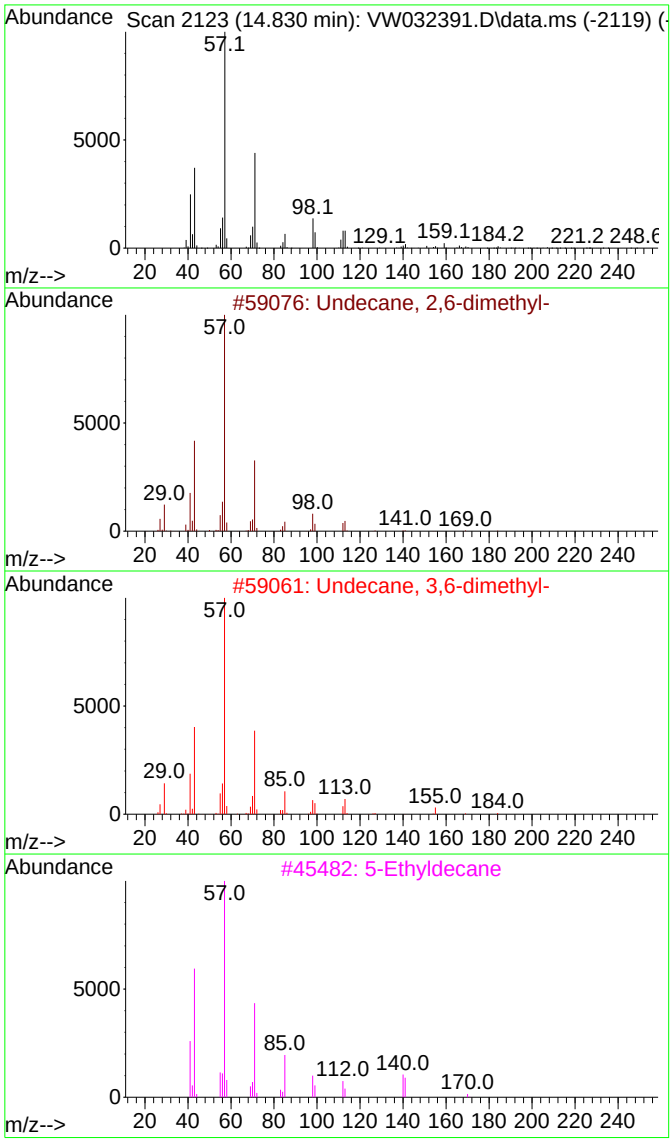
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

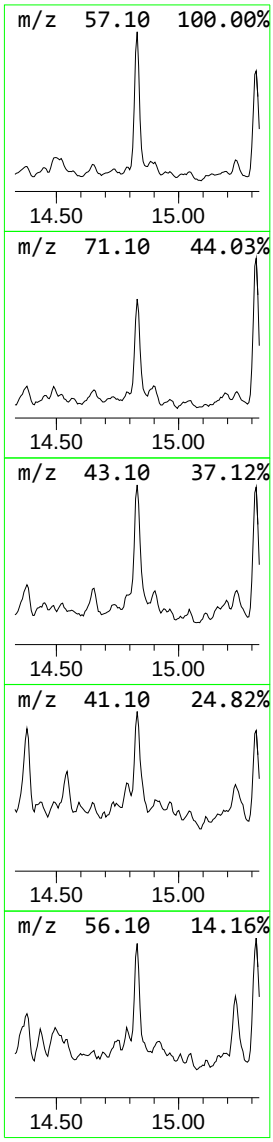
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.830	88.82 ug/l	1904760	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	95
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	90
3	5-Ethyldecane	170	C12H26	017302-36-2	78
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	76
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72





Sample Results: **VW032391.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032391.D
Acq On : 20 Oct 2025 16:02
Operator : SY/MD
Sample : Q3376-04
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Octane, 2,6-dim...	12.251	98.1	ug/l	3520670	3	11.629	1794170	50.0
Heptane, 2,2,6,...	13.050	157.6	ug/l	3379160	4	13.556	1072280	50.0
Naphthalene, de...	13.873	103.3	ug/l	2216320	4	13.556	1072280	50.0
Undecane, 2,6-d...	14.830	88.8	ug/l	1904760	4	13.556	1072280	50.0

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-202510	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	66.8
Sample Wt/Vol:	2.94 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	12.7	U	1	2.90	12.7	ug/Kg	10/20/25 16:24	VW102025
74-87-3	Chloromethane	12.7	U	1	2.90	12.7	ug/Kg	10/20/25 16:24	VW102025
75-01-4	Vinyl Chloride	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
74-83-9	Bromomethane	12.7	U	1	2.70	12.7	ug/Kg	10/20/25 16:24	VW102025
75-00-3	Chloroethane	12.7	U	1	3.20	12.7	ug/Kg	10/20/25 16:24	VW102025
75-69-4	Trichlorofluoromethane	12.7	U	1	3.10	12.7	ug/Kg	10/20/25 16:24	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	12.7	U	1	2.70	12.7	ug/Kg	10/20/25 16:24	VW102025
75-35-4	1,1-Dichloroethene	12.7	U	1	2.50	12.7	ug/Kg	10/20/25 16:24	VW102025
67-64-1	Acetone	290		1	12.1	63.6	ug/Kg	10/20/25 16:24	VW102025
75-15-0	Carbon Disulfide	38.1		1	2.70	12.7	ug/Kg	10/20/25 16:24	VW102025
1634-04-4	Methyl tert-butyl Ether	12.7	U	1	1.90	12.7	ug/Kg	10/20/25 16:24	VW102025
79-20-9	Methyl Acetate	12.7	U	1	3.90	12.7	ug/Kg	10/20/25 16:24	VW102025
75-09-2	Methylene Chloride	25.5	U	1	9.00	25.5	ug/Kg	10/20/25 16:24	VW102025
156-60-5	trans-1,2-Dichloroethene	12.7	U	1	2.20	12.7	ug/Kg	10/20/25 16:24	VW102025
75-34-3	1,1-Dichloroethane	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
110-82-7	Cyclohexane	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
78-93-3	2-Butanone	89.0		1	16.7	63.6	ug/Kg	10/20/25 16:24	VW102025
56-23-5	Carbon Tetrachloride	12.7	U	1	2.50	12.7	ug/Kg	10/20/25 16:24	VW102025
156-59-2	cis-1,2-Dichloroethene	12.7	U	1	1.90	12.7	ug/Kg	10/20/25 16:24	VW102025
74-97-5	Bromochloromethane	12.7	U	1	2.90	12.7	ug/Kg	10/20/25 16:24	VW102025
67-66-3	Chloroform	12.7	U	1	2.10	12.7	ug/Kg	10/20/25 16:24	VW102025
71-55-6	1,1,1-Trichloroethane	12.7	U	1	2.40	12.7	ug/Kg	10/20/25 16:24	VW102025
108-87-2	Methylcyclohexane	12.9		1	2.30	12.7	ug/Kg	10/20/25 16:24	VW102025
71-43-2	Benzene	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
107-06-2	1,2-Dichloroethane	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
79-01-6	Trichloroethene	12.7	U	1	2.10	12.7	ug/Kg	10/20/25 16:24	VW102025
78-87-5	1,2-Dichloropropane	12.7	U	1	2.30	12.7	ug/Kg	10/20/25 16:24	VW102025
75-27-4	Bromodichloromethane	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
108-10-1	4-Methyl-2-Pentanone	63.6	U	1	9.10	63.6	ug/Kg	10/20/25 16:24	VW102025
108-88-3	Toluene	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
10061-02-6	t-1,3-Dichloropropene	12.7	U	1	1.70	12.7	ug/Kg	10/20/25 16:24	VW102025
10061-01-5	cis-1,3-Dichloropropene	12.7	U	1	1.60	12.7	ug/Kg	10/20/25 16:24	VW102025
79-00-5	1,1,2-Trichloroethane	12.7	U	1	2.30	12.7	ug/Kg	10/20/25 16:24	VW102025
591-78-6	2-Hexanone	63.6	U	1	9.40	63.6	ug/Kg	10/20/25 16:24	VW102025
124-48-1	Dibromochloromethane	12.7	U	1	2.20	12.7	ug/Kg	10/20/25 16:24	VW102025
106-93-4	1,2-Dibromoethane	12.7	U	1	2.20	12.7	ug/Kg	10/20/25 16:24	VW102025
127-18-4	Tetrachloroethene	12.7	U	1	2.70	12.7	ug/Kg	10/20/25 16:24	VW102025
108-90-7	Chlorobenzene	12.7	U	1	2.30	12.7	ug/Kg	10/20/25 16:24	VW102025
100-41-4	Ethyl Benzene	12.7	U	1	1.70	12.7	ug/Kg	10/20/25 16:24	VW102025
179601-23-1	m/p-Xylenes	25.5	U	1	3.20	25.5	ug/Kg	10/20/25 16:24	VW102025
95-47-6	o-Xylene	8.80	J	1	2.10	12.7	ug/Kg	10/20/25 16:24	VW102025
100-42-5	Styrene	12.7	U	1	1.80	12.7	ug/Kg	10/20/25 16:24	VW102025
75-25-2	Bromoform	12.7	U	1	2.20	12.7	ug/Kg	10/20/25 16:24	VW102025

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-202510	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Analytical Method:	8260D Level : LOW	% Solid:	66.8
Sample Wt/Vol:	2.94 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	12.7	U	1	2.00	12.7	ug/Kg	10/20/25 16:24	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	12.7	U	1	3.10	12.7	ug/Kg	10/20/25 16:24	VW102025
541-73-1	1,3-Dichlorobenzene	12.7	U	1	4.40	12.7	ug/Kg	10/20/25 16:24	VW102025
106-46-7	1,4-Dichlorobenzene	12.7	U	1	4.00	12.7	ug/Kg	10/20/25 16:24	VW102025
95-50-1	1,2-Dichlorobenzene	12.7	U	1	3.70	12.7	ug/Kg	10/20/25 16:24	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	12.7	U	1	4.70	12.7	ug/Kg	10/20/25 16:24	VW102025
120-82-1	1,2,4-Trichlorobenzene	12.7	U	1	7.60	12.7	ug/Kg	10/20/25 16:24	VW102025
87-61-6	1,2,3-Trichlorobenzene	12.7	U	1	8.10	12.7	ug/Kg	10/20/25 16:24	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.8			63 - 155	118%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.8			70 - 134	104%	SPK: 50		
2037-26-5	Toluene-d8	53.0			74 - 123	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.5			17 - 146	111%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	221000							
540-36-3	1,4-Difluorobenzene	500000							
3114-55-4	Chlorobenzene-d5	487000							
3855-82-1	1,4-Dichlorobenzene-d4	228000							
TENTATIVE IDENTIFIED COMPOUNDS									
007146-60-3	Octane, 2,3-dimethyl-	210	J			12.4	ug/Kg		

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

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

Sample Results: **VW032392.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032392.D
Acq On : 20 Oct 2025 16:24
Operator : SY/MD
Sample : Q3376-05
Misc : 2.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Quant Time: Oct 21 01:30:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

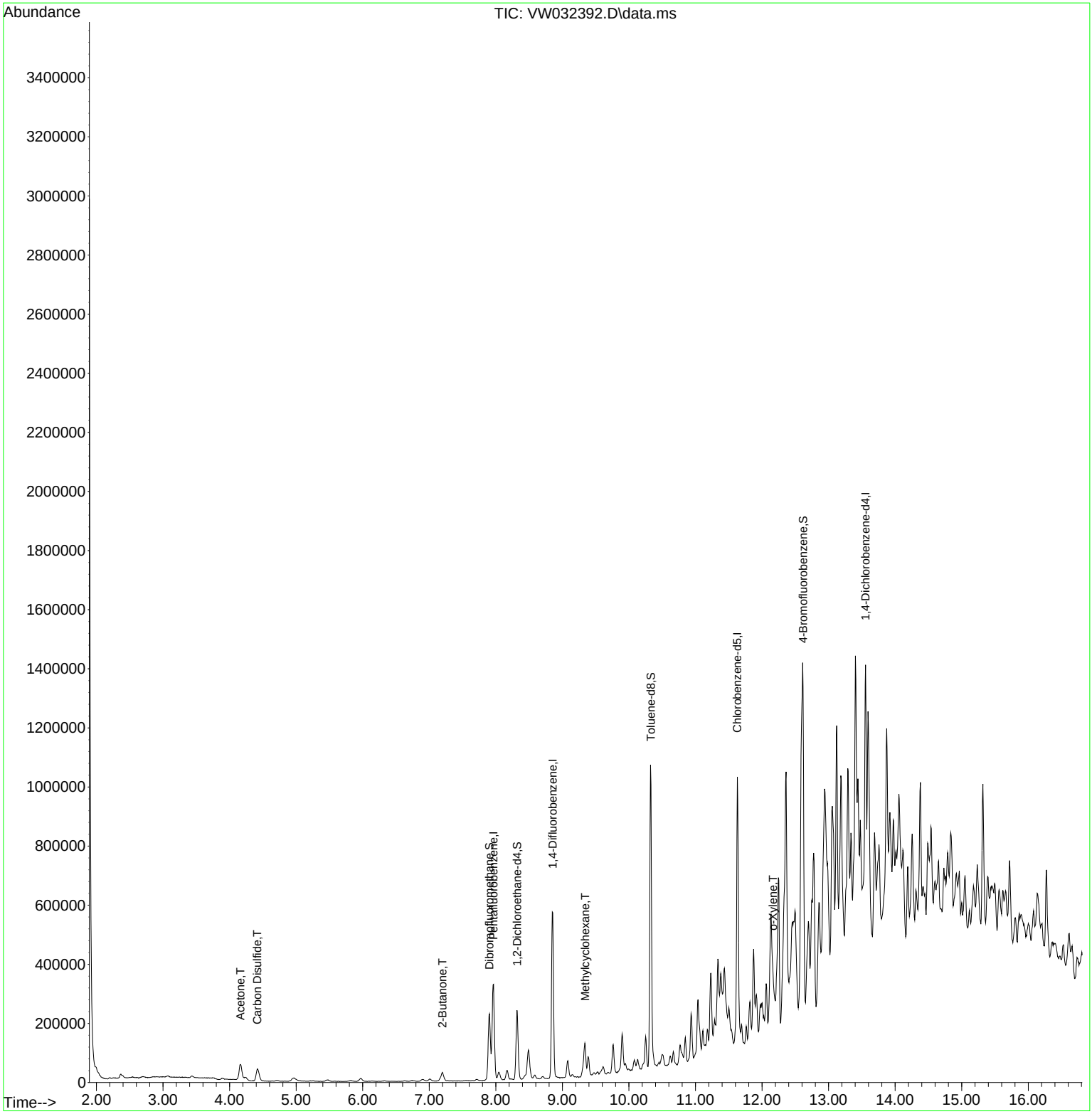
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	220545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	499682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	486561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	228417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	189064	58.774	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 117.540%			
35) Dibromofluoromethane	7.904	113	167736	51.834	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 103.660%			
50) Toluene-d8	10.331	98	633564	53.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 106.100%			
62) 4-Bromofluorobenzene	12.617	95	250680	55.532	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 111.060%			
Target Compounds						Qvalue
16) Acetone	4.161	43	102844	115.463	ug/l	99
17) Carbon Disulfide	4.417	76	101525	14.970	ug/l	99
25) 2-Butanone	7.197	43	42423	34.971	ug/l	98
39) Methylcyclohexane	9.343	83	28003	5.083	ug/l #	81
69) o-Xylene	12.166	106	22170	3.445	ug/l	94

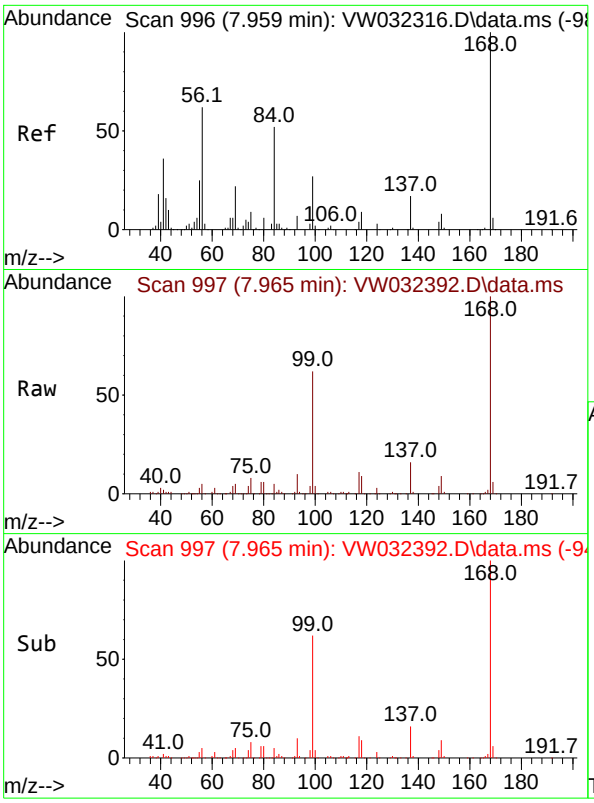
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032392.D
Acq On : 20 Oct 2025 16:24
Operator : SY/MD
Sample : Q3376-05
Misc : 2.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Quant Time: Oct 21 01:30:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration



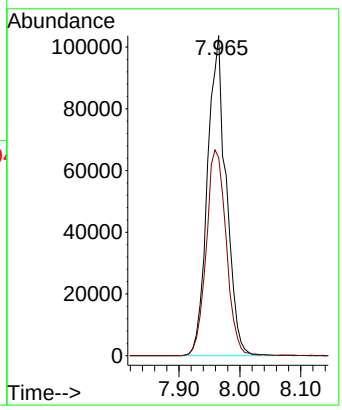


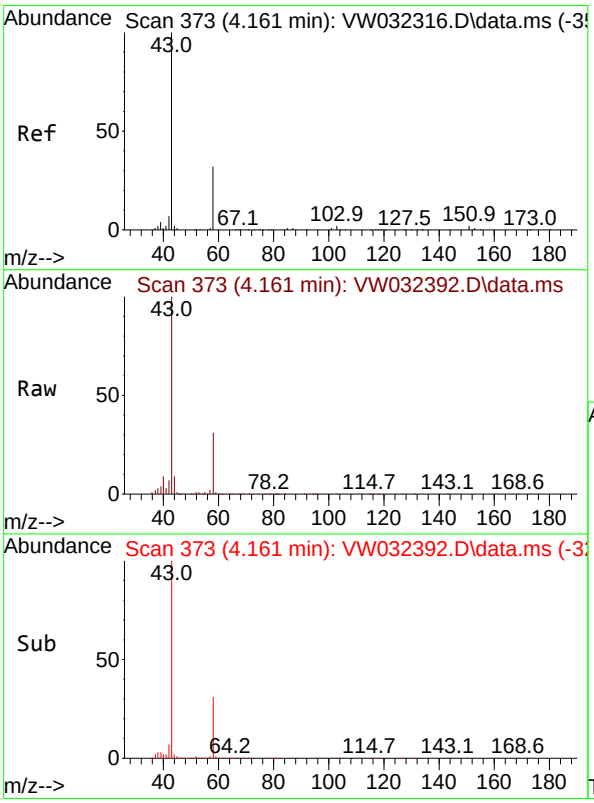
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:168 Resp: 220545

Ion	Ratio	Lower	Upper
168	100		
99	61.9	49.3	73.9

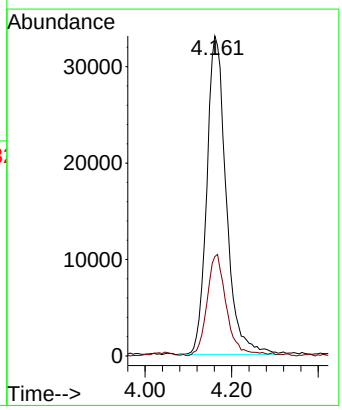


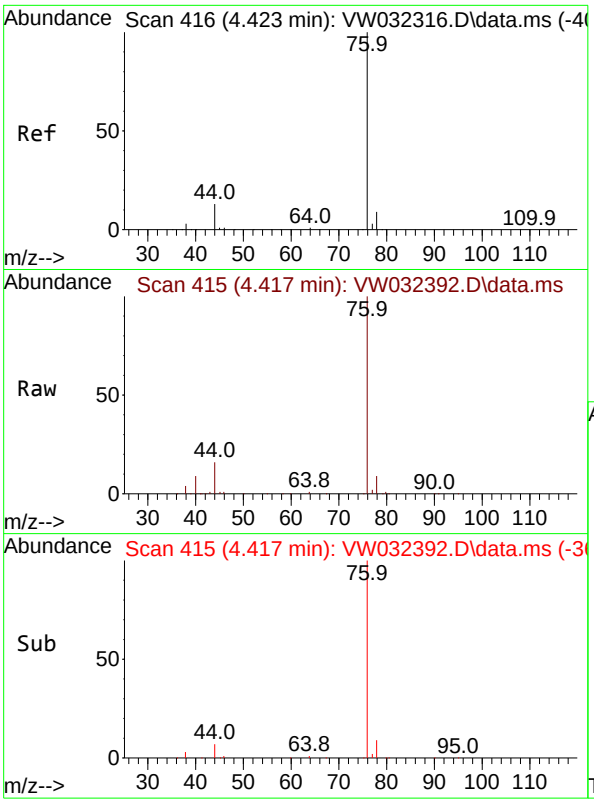


#16
Acetone
Concen: 115.463 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 43 Resp: 102844

Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.3	37.9



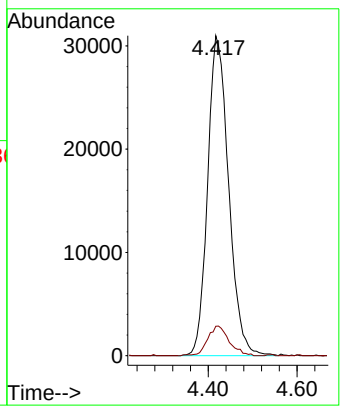


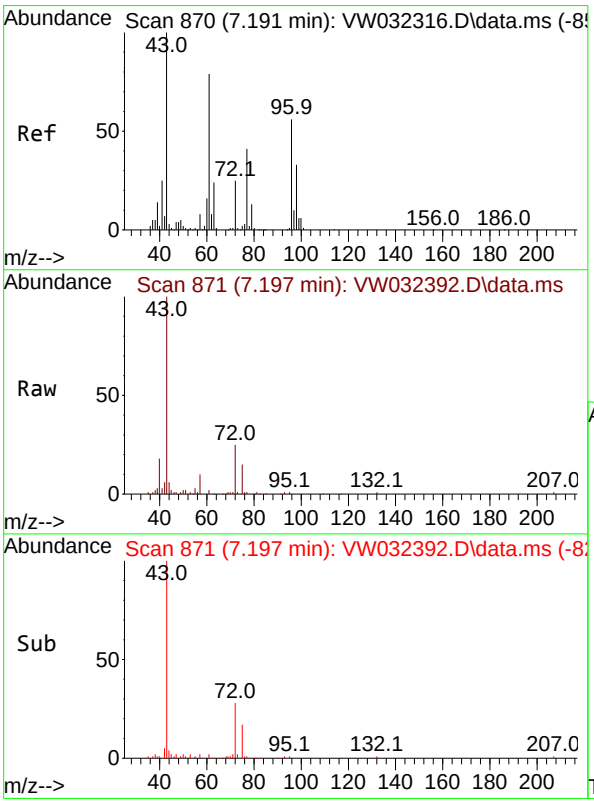
#17
Carbon Disulfide
Concen: 14.970 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 76 Resp: 101525

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

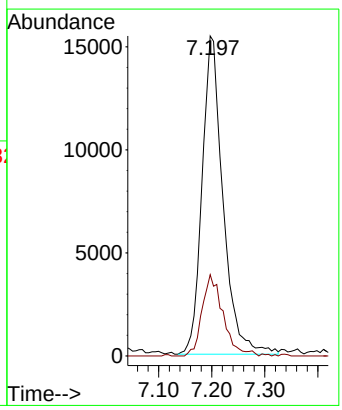


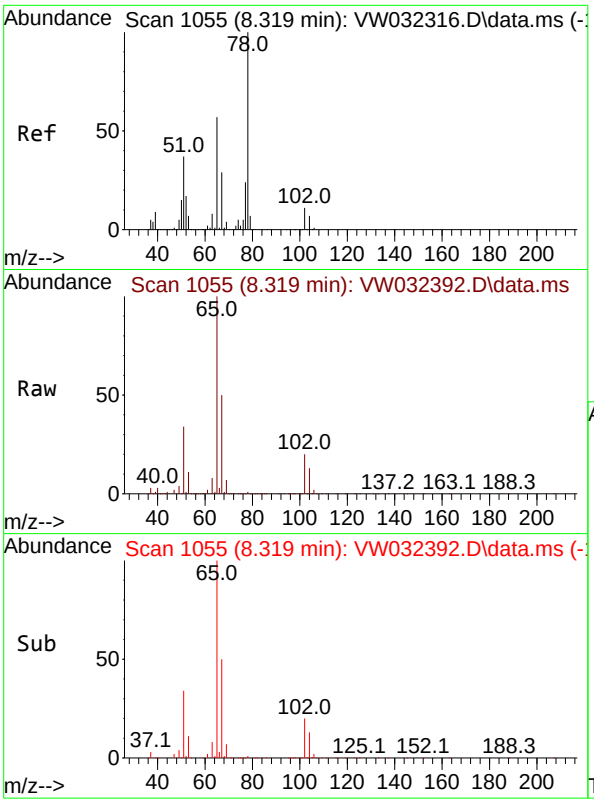


#25
2-Butanone
Concen: 34.971 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 43 Resp: 42423

Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.4	32.2



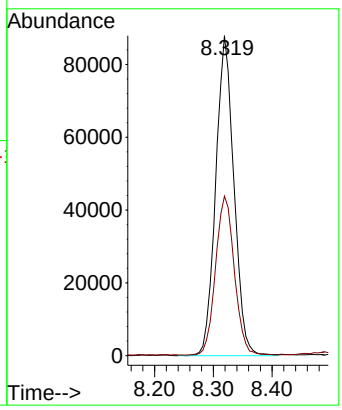


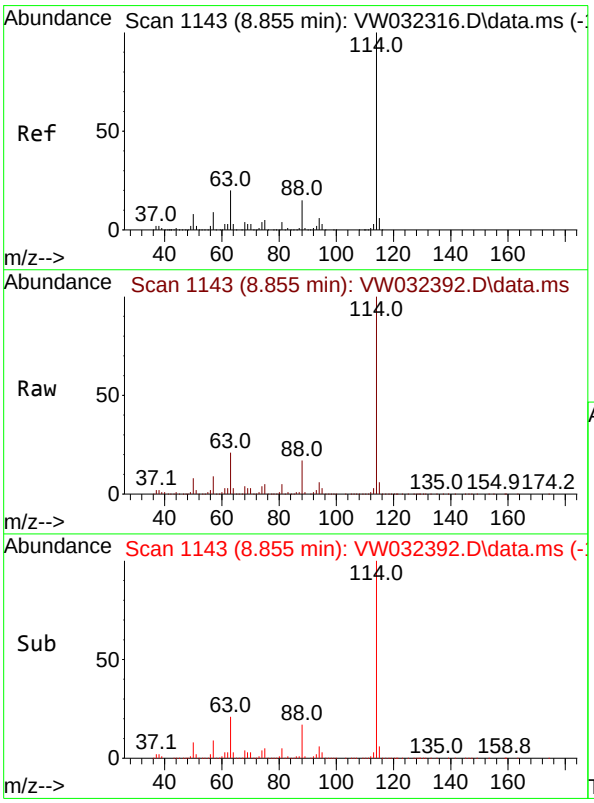
#33
1,2-Dichloroethane-d4
Concen: 58.774 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 65 Resp: 189064

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	99.6

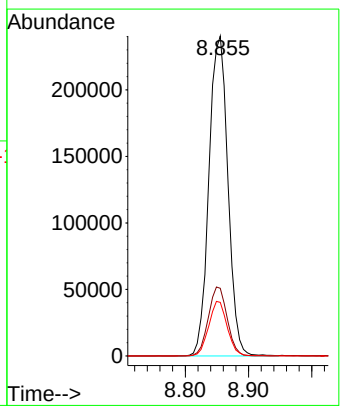


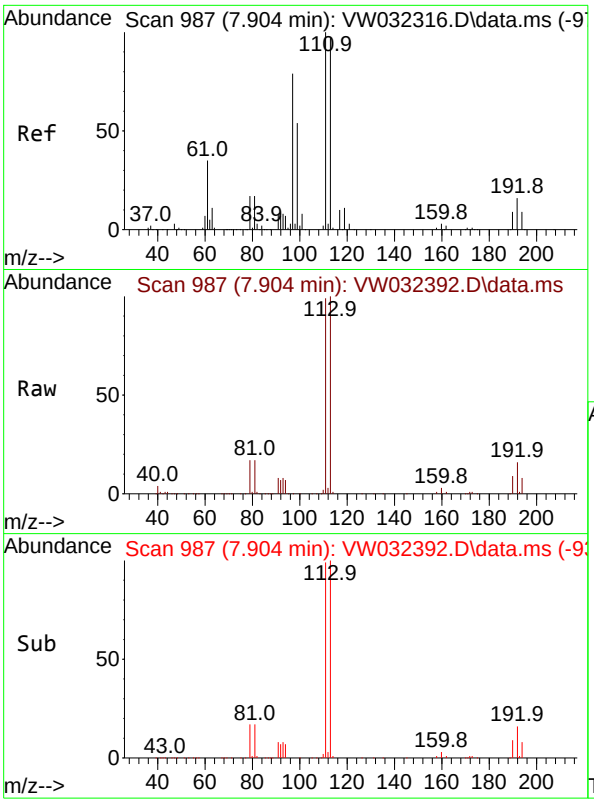


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion:114 Resp: 499682

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.4
88	16.8	0.0	32.0



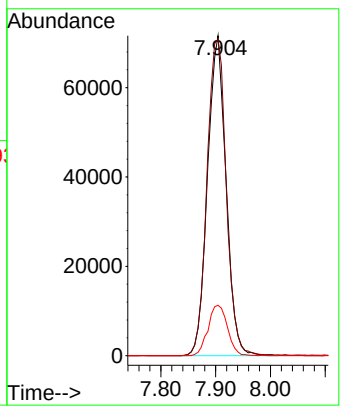


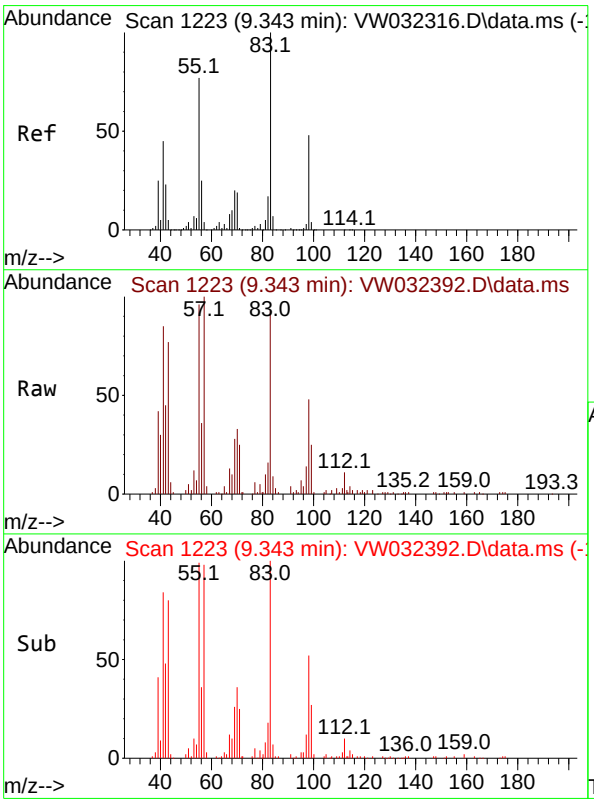
#35
Dibromofluoromethane
Concen: 51.834 ug/l
RT: 7.904 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:113 Resp: 167736

Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.9	125.9
192	16.6	14.6	21.8

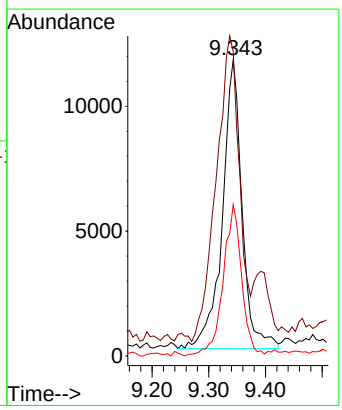


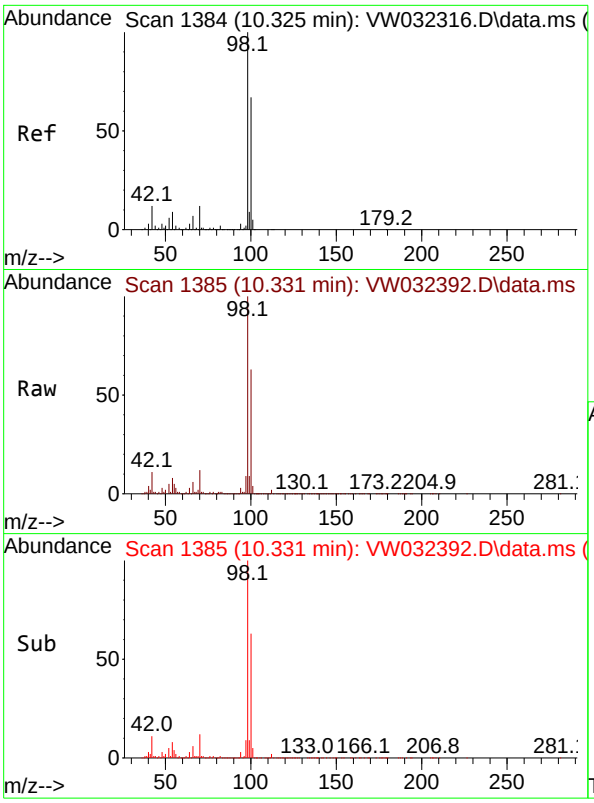


#39
Methylcyclohexane
Concen: 5.083 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 83 Resp: 28003

Ion	Ratio	Lower	Upper
83	100		
55	98.0	58.4	87.6#
98	51.4	39.4	59.2



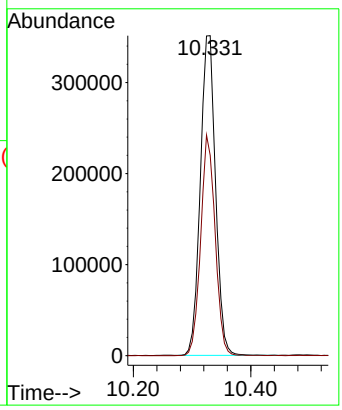


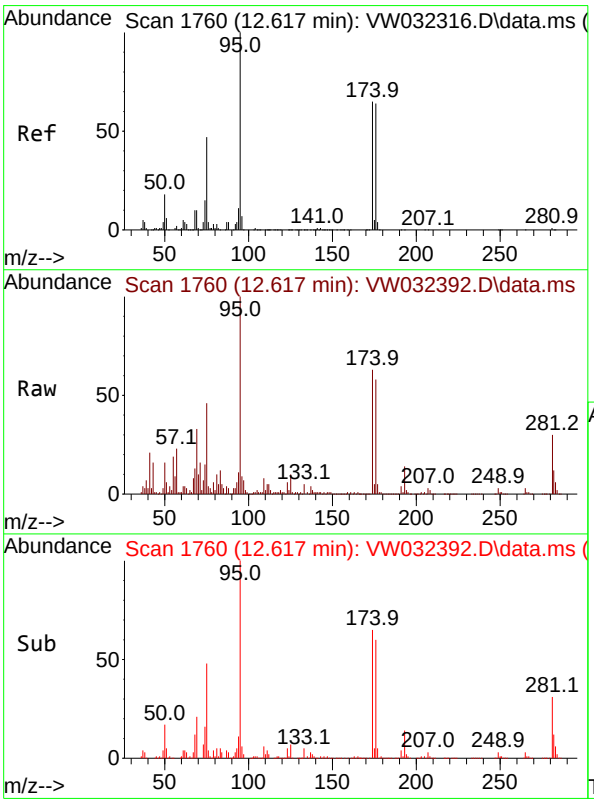
#50
Toluene-d8
Concen: 53.047 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 98 Resp: 633564

Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.4	77.2

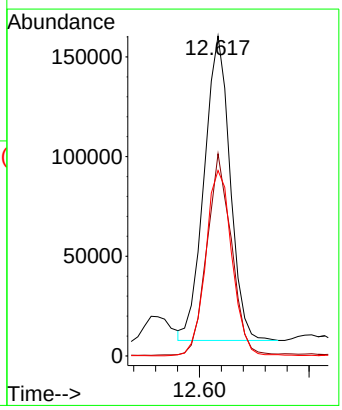


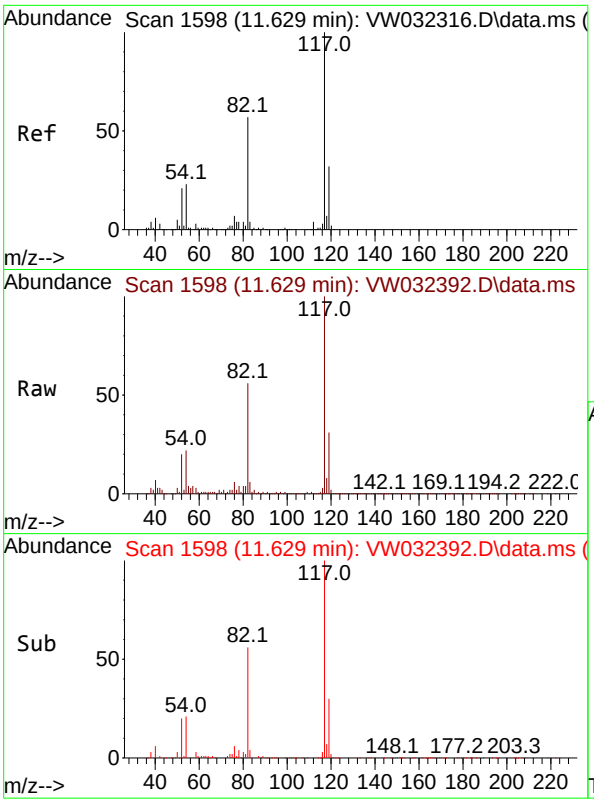


#62
4-Bromofluorobenzene
Concen: 55.532 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 95 Resp: 250680

Ion	Ratio	Lower	Upper
95	100		
174	62.9	0.0	145.6
176	62.1	0.0	140.8



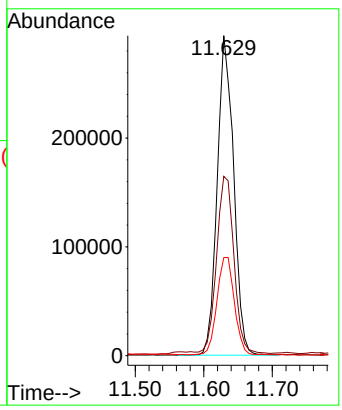


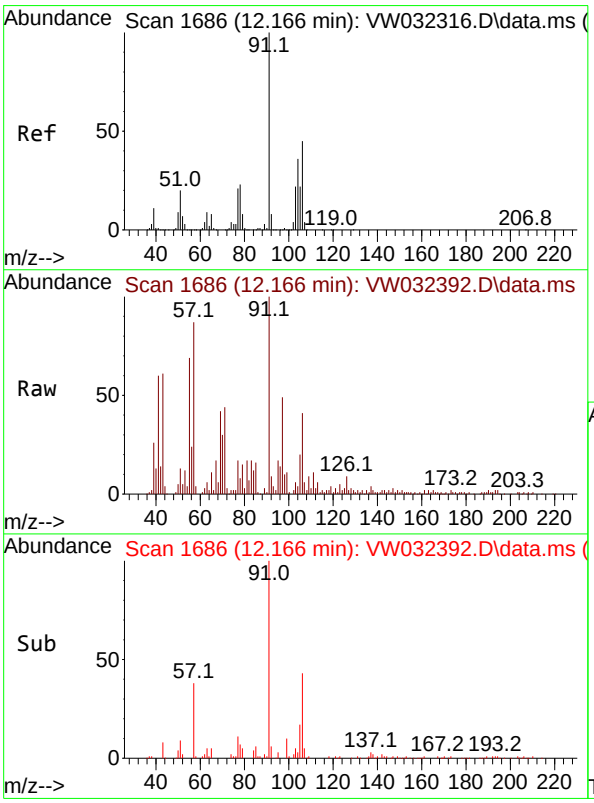
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:117 Resp: 486561

Ion	Ratio	Lower	Upper
117	100		
82	55.3	42.7	64.1
119	30.4	25.2	37.8

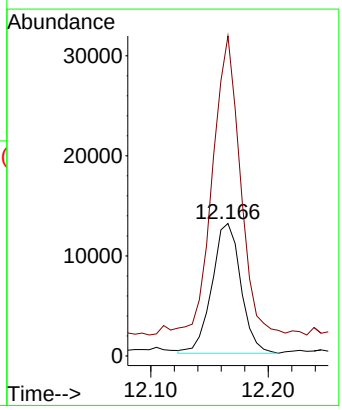


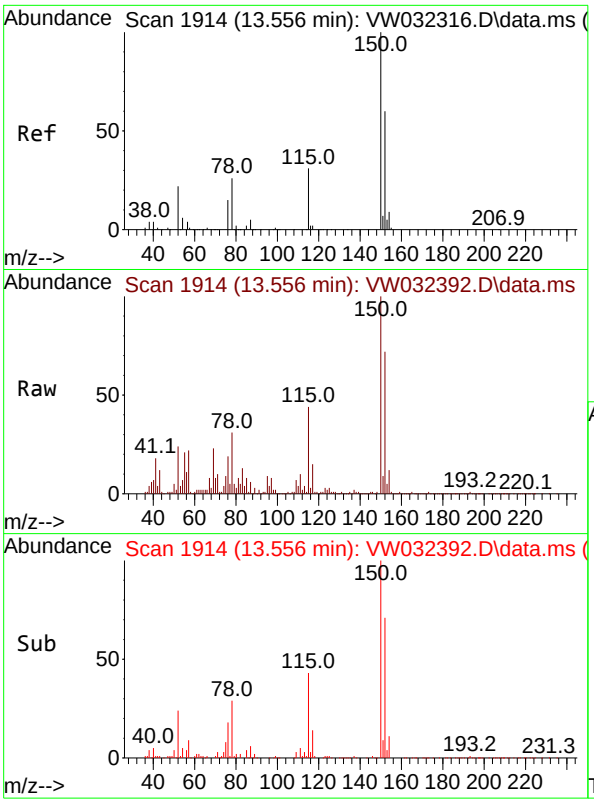


#69
o-Xylene
Concen: 3.445 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion:106 Resp: 22170

Ion	Ratio	Lower	Upper
106	100		
91	226.5	108.7	326.3



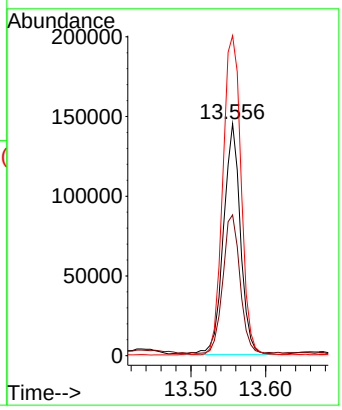


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:152 Resp: 228417

Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.8	95.4
150	148.4	0.0	343.0



Sample Results: **VW032392.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032392.D
Acq On : 20 Oct 2025 16:24
Operator : SY/MD
Sample : Q3376-05
Misc : 2.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Title : SW846 8260

Signal : TIC: VW032392.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	363	373	383	rBV	51131	158132	4.86%	0.394%
2	4.417	406	415	429	rVB	40827	131090	4.03%	0.326%
3	4.966	491	505	517	rBV8	11733	56038	1.72%	0.140%
4	5.972	659	670	682	rBV5	10111	33578	1.03%	0.084%
5	7.197	858	871	882	rBV2	28833	89943	2.77%	0.224%
6	7.904	974	987	991	rBV	225206	546931	16.83%	1.362%
7	7.965	991	997	1005	rVV2	324157	767371	23.61%	1.911%
8	8.045	1005	1010	1019	rVB2	26002	66096	2.03%	0.165%
9	8.173	1023	1031	1037	rBV2	31459	74821	2.30%	0.186%
10	8.319	1047	1055	1067	rBV	234119	516840	15.90%	1.287%
11	8.490	1067	1083	1094	rBV	99088	301247	9.27%	0.750%
12	8.849	1134	1142	1151	rBV	563663	1187507	36.53%	2.957%
13	9.081	1173	1180	1188	rBV2	56278	126096	3.88%	0.314%
14	9.337	1211	1222	1227	rBV5	114425	299239	9.21%	0.745%
15	9.386	1227	1230	1239	rVB2	62678	124333	3.82%	0.310%
16	9.611	1257	1267	1275	rBV2	25065	69049	2.12%	0.172%
17	9.764	1285	1292	1300	rBV2	95882	197636	6.08%	0.492%
18	9.898	1306	1314	1320	rBV2	125363	266197	8.19%	0.663%
19	10.081	1339	1344	1348	rBV2	32949	65115	2.00%	0.162%
20	10.251	1361	1372	1378	rBV	110639	238559	7.34%	0.594%
21	10.325	1378	1384	1400	rVV	1022073	1884917	57.99%	4.694%
22	10.501	1409	1413	1421	rVB6	37197	91498	2.81%	0.228%
23	10.666	1437	1440	1450	rVB3	45628	79118	2.43%	0.197%
24	10.770	1451	1457	1465	rBV5	63561	183972	5.66%	0.458%
25	10.849	1465	1470	1475	rVB	82131	134990	4.15%	0.336%
26	10.934	1479	1484	1490	rVV	151272	269626	8.29%	0.671%
27	11.038	1496	1501	1509	rBV	175959	394391	12.13%	0.982%
28	11.111	1509	1513	1517	rBV	62961	96001	2.95%	0.239%
29	11.178	1521	1524	1527	rBV	50742	68105	2.10%	0.170%
30	11.233	1527	1533	1538	rBV	227253	419660	12.91%	1.045%
31	11.288	1538	1542	1545	rBV3	53403	90390	2.78%	0.225%
32	11.337	1545	1550	1554	rVV2	232272	470963	14.49%	1.173%
33	11.379	1554	1557	1561	rVV2	170407	352266	10.84%	0.877%
34	11.434	1563	1566	1574	rVB2	167916	358696	11.03%	0.893%
35	11.629	1591	1598	1606	rBV	890525	1599939	49.22%	3.984%
36	11.763	1617	1620	1623	rBV	49229	60810	1.87%	0.151%

Sample Results: **VW032392.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032392.D
Acq On : 20 Oct 2025 16:24
Operator : SY/MD
Sample : Q3376-05
Misc : 2.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Title : SW846 8260

37	11.818	1624	1629	1633	rBV3	118177	221688	6.82%	0.552%
38	11.873	1633	1638	1642	rBV	270032	459182	14.13%	1.144%
39	11.977	1650	1655	1656	rBV	92535	134746	4.15%	0.336%
40	12.062	1665	1669	1673	rVB2	133260	193046	5.94%	0.481%
41	12.135	1674	1681	1691	rBV6	365729	1115741	34.32%	2.779%
42	12.245	1692	1699	1704	rVB2	492134	1044413	32.13%	2.601%
43	12.361	1704	1718	1725	rBV3	850382	2635004	81.06%	6.562%
44	12.458	1729	1734	1735	rBV4	162658	271398	8.35%	0.676%
45	12.611	1749	1759	1766	rBV3	1156560	3250650	100.00%	8.095%
46	12.696	1766	1773	1777	rBV4	275465	682350	20.99%	1.699%
47	12.751	1777	1782	1783	rVV4	255922	385070	11.85%	0.959%
48	12.775	1783	1786	1792	rVB3	520861	951992	29.29%	2.371%
49	12.855	1793	1799	1804	rBV6	342152	858631	26.41%	2.138%
50	12.940	1806	1813	1826	rVB7	562182	2211376	68.03%	5.507%
51	13.056	1827	1832	1838	rBV3	491558	1278618	39.33%	3.184%
52	13.123	1838	1843	1847	rVV2	628466	966453	29.73%	2.407%
53	13.184	1850	1853	1862	rVB	541065	1066130	32.80%	2.655%
54	13.287	1862	1870	1875	rBV3	565281	1320001	40.61%	3.287%
55	13.403	1882	1889	1893	rBV	827647	1593690	49.03%	3.969%
56	13.556	1910	1914	1917	rBV	700000	1025571	31.55%	2.554%
57	13.592	1917	1920	1931	rVB	763343	1607089	49.44%	4.002%
58	13.690	1931	1936	1940	rBV3	353155	714195	21.97%	1.779%
59	13.873	1962	1966	1970	rBV2	488607	787263	24.22%	1.961%
60	13.970	1980	1982	1986	rVB4	155402	191970	5.91%	0.478%
61	14.190	2014	2018	2022	rBV3	230053	392072	12.06%	0.976%
62	14.257	2025	2029	2035	rVB4	298437	574711	17.68%	1.431%
63	14.379	2045	2049	2053	rVB2	384423	563972	17.35%	1.404%
64	14.488	2064	2067	2071	rBV4	211368	415418	12.78%	1.035%
65	15.318	2199	2203	2210	rVB3	470204	806695	24.82%	2.009%
66	16.275	2356	2360	2368	rVB	293477	564558	17.37%	1.406%

Sum of corrected areas: 40154853

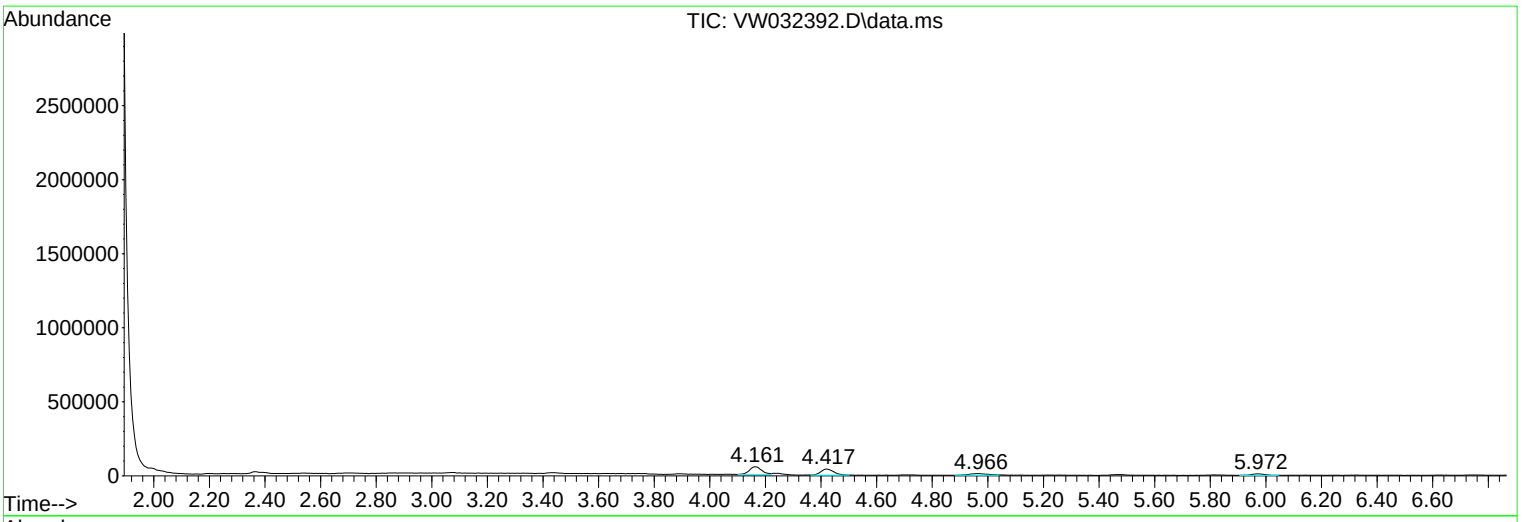
Sample Results: **VW032392.D**

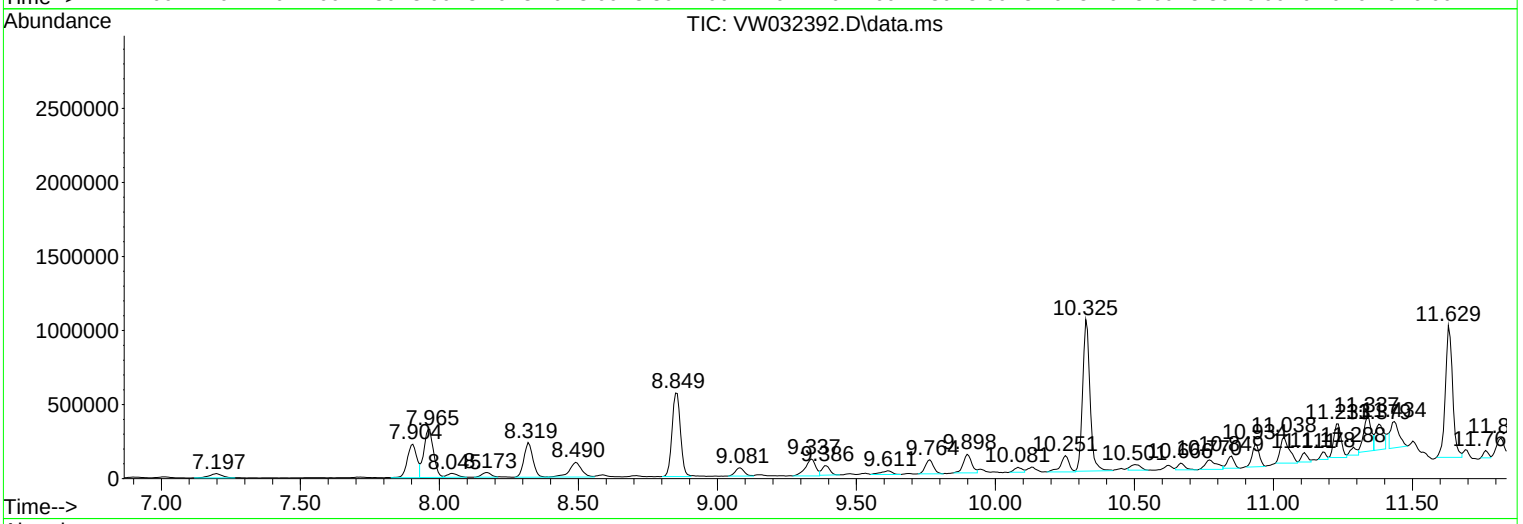
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032392.D
Acq On : 20 Oct 2025 16:24
Operator : SY/MD
Sample : Q3376-05
Misc : 2.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

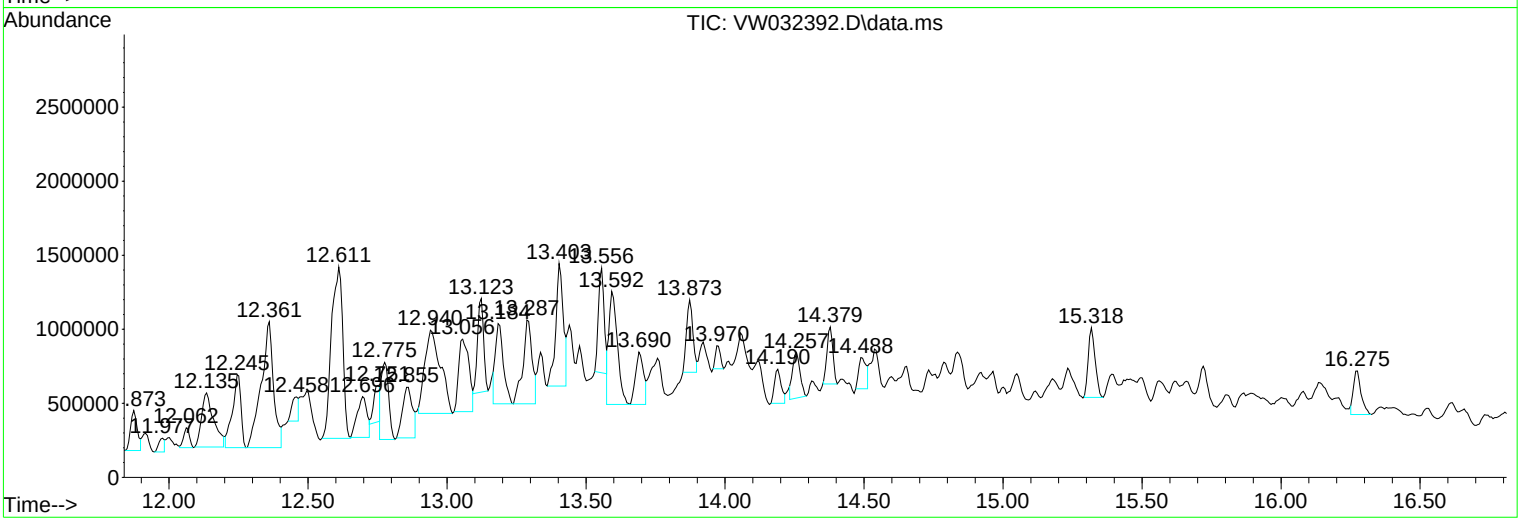
Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032392.D
Acq On : 20 Oct 2025 16:24
Operator : SY/MD
Sample : Q3376-05
Misc : 2.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

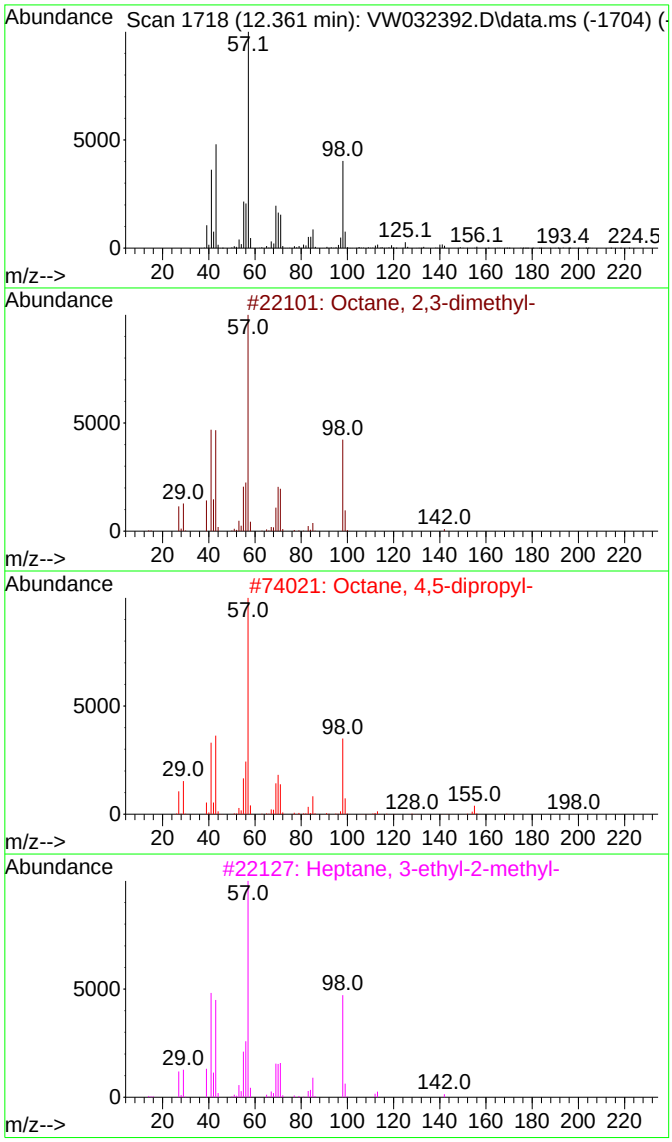
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

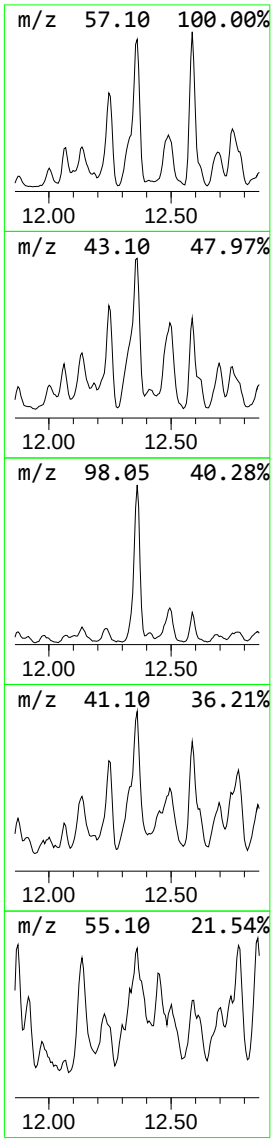
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Octane, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.361	82.35 ug/l	2635000	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	87
2	Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	86
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
4	Heptyl hexadecyl ether	340	C23H48O	1000406-39-4	50
5	3-Undecene, 6-methyl-, (E)-	168	C12H24	074630-52-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032392.D
Acq On : 20 Oct 2025 16:24
Operator : SY/MD
Sample : Q3376-05
Misc : 2.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Octane, 2,3-dim...	12.361	82.3	ug/l	2635000	3	11.629	1599940	50.0

Raw Data: **VX048277.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-FB01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-07	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	0.22	5.00	ug/L	10/21/25 17:48	VX102125
74-87-3	Chloromethane	5.00	U	1	0.32	5.00	ug/L	10/21/25 17:48	VX102125
75-01-4	Vinyl Chloride	5.00	U	1	0.26	5.00	ug/L	10/21/25 17:48	VX102125
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	10/21/25 17:48	VX102125
75-00-3	Chloroethane	5.00	U	1	0.47	5.00	ug/L	10/21/25 17:48	VX102125
75-69-4	Trichlorofluoromethane	5.00	U	1	0.33	5.00	ug/L	10/21/25 17:48	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	0.25	5.00	ug/L	10/21/25 17:48	VX102125
75-35-4	1,1-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	10/21/25 17:48	VX102125
67-64-1	Acetone	5.70	J	1	1.50	25.0	ug/L	10/21/25 17:48	VX102125
75-15-0	Carbon Disulfide	5.00	U	1	0.21	5.00	ug/L	10/21/25 17:48	VX102125
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.16	5.00	ug/L	10/21/25 17:48	VX102125
79-20-9	Methyl Acetate	5.00	U	1	0.27	5.00	ug/L	10/21/25 17:48	VX102125
75-09-2	Methylene Chloride	5.00	U	1	0.28	5.00	ug/L	10/21/25 17:48	VX102125
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	10/21/25 17:48	VX102125
75-34-3	1,1-Dichloroethane	5.00	U	1	0.23	5.00	ug/L	10/21/25 17:48	VX102125
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	10/21/25 17:48	VX102125
78-93-3	2-Butanone	25.0	U	1	0.98	25.0	ug/L	10/21/25 17:48	VX102125
56-23-5	Carbon Tetrachloride	5.00	U	1	0.25	5.00	ug/L	10/21/25 17:48	VX102125
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.19	5.00	ug/L	10/21/25 17:48	VX102125
74-97-5	Bromochloromethane	5.00	U	1	0.22	5.00	ug/L	10/21/25 17:48	VX102125
67-66-3	Chloroform	5.00	U	1	0.25	5.00	ug/L	10/21/25 17:48	VX102125
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.20	5.00	ug/L	10/21/25 17:48	VX102125
108-87-2	Methylcyclohexane	5.00	U	1	0.16	5.00	ug/L	10/21/25 17:48	VX102125
71-43-2	Benzene	5.00	U	1	0.15	5.00	ug/L	10/21/25 17:48	VX102125
107-06-2	1,2-Dichloroethane	5.00	U	1	0.22	5.00	ug/L	10/21/25 17:48	VX102125
79-01-6	Trichloroethene	5.00	U	1	0.090	5.00	ug/L	10/21/25 17:48	VX102125
78-87-5	1,2-Dichloropropane	5.00	U	1	0.20	5.00	ug/L	10/21/25 17:48	VX102125
75-27-4	Bromodichloromethane	5.00	U	1	0.22	5.00	ug/L	10/21/25 17:48	VX102125
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	0.68	25.0	ug/L	10/21/25 17:48	VX102125
108-88-3	Toluene	5.00	U	1	0.14	5.00	ug/L	10/21/25 17:48	VX102125
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.17	5.00	ug/L	10/21/25 17:48	VX102125
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.16	5.00	ug/L	10/21/25 17:48	VX102125
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.21	5.00	ug/L	10/21/25 17:48	VX102125
591-78-6	2-Hexanone	25.0	U	1	0.89	25.0	ug/L	10/21/25 17:48	VX102125
124-48-1	Dibromochloromethane	5.00	U	1	0.18	5.00	ug/L	10/21/25 17:48	VX102125
106-93-4	1,2-Dibromoethane	5.00	U	1	0.15	5.00	ug/L	10/21/25 17:48	VX102125
127-18-4	Tetrachloroethene	5.00	U	1	0.23	5.00	ug/L	10/21/25 17:48	VX102125
108-90-7	Chlorobenzene	5.00	U	1	0.12	5.00	ug/L	10/21/25 17:48	VX102125
100-41-4	Ethyl Benzene	5.00	U	1	0.13	5.00	ug/L	10/21/25 17:48	VX102125
179601-23-1	m/p-Xylenes	10.0	U	1	0.24	10.0	ug/L	10/21/25 17:48	VX102125
95-47-6	o-Xylene	5.00	U	1	0.12	5.00	ug/L	10/21/25 17:48	VX102125
100-42-5	Styrene	5.00	U	1	0.15	5.00	ug/L	10/21/25 17:48	VX102125
75-25-2	Bromoform	5.00	U	1	0.19	5.00	ug/L	10/21/25 17:48	VX102125

Raw Data: **VX048277.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-FB01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-07	Matrix:	Water
Analytical Method:	8260D Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.12	5.00	ug/L	10/21/25 17:48	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	0.26	5.00	ug/L	10/21/25 17:48	VX102125
541-73-1	1,3-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	10/21/25 17:48	VX102125
106-46-7	1,4-Dichlorobenzene	5.00	U	1	0.19	5.00	ug/L	10/21/25 17:48	VX102125
95-50-1	1,2-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	10/21/25 17:48	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	0.53	5.00	ug/L	10/21/25 17:48	VX102125
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	10/21/25 17:48	VX102125
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	10/21/25 17:48	VX102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.4			74 - 125	117%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.8			75 - 124	100%	SPK: 50		
2037-26-5	Toluene-d8	48.0			86 - 113	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	57.1			77 - 121	114%	SPK: 50		

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	96000
540-36-3	1,4-Difluorobenzene	185000
3114-55-4	Chlorobenzene-d5	197000
3855-82-1	1,4-Dichlorobenzene-d4	106000

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_X\Data\VX102125\
Data File : VX048277.D
Acq On : 21 Oct 2025 17:48
Operator : JC/MD
Sample : Q3376-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB01-20251016

Quant Time: Oct 24 04:29:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	95980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	184822	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	196926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	105671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	78641	58.438	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.880%			
35) Dibromofluoromethane	5.373	113	62781	49.756	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.520%			
50) Toluene-d8	8.635	98	212078	47.953	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.900%			
62) 4-Bromofluorobenzene	11.061	95	96027	57.074	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.140%			
Target Compounds						Qvalue
16) Acetone	2.374	43	2619	5.673	ug/l #	79

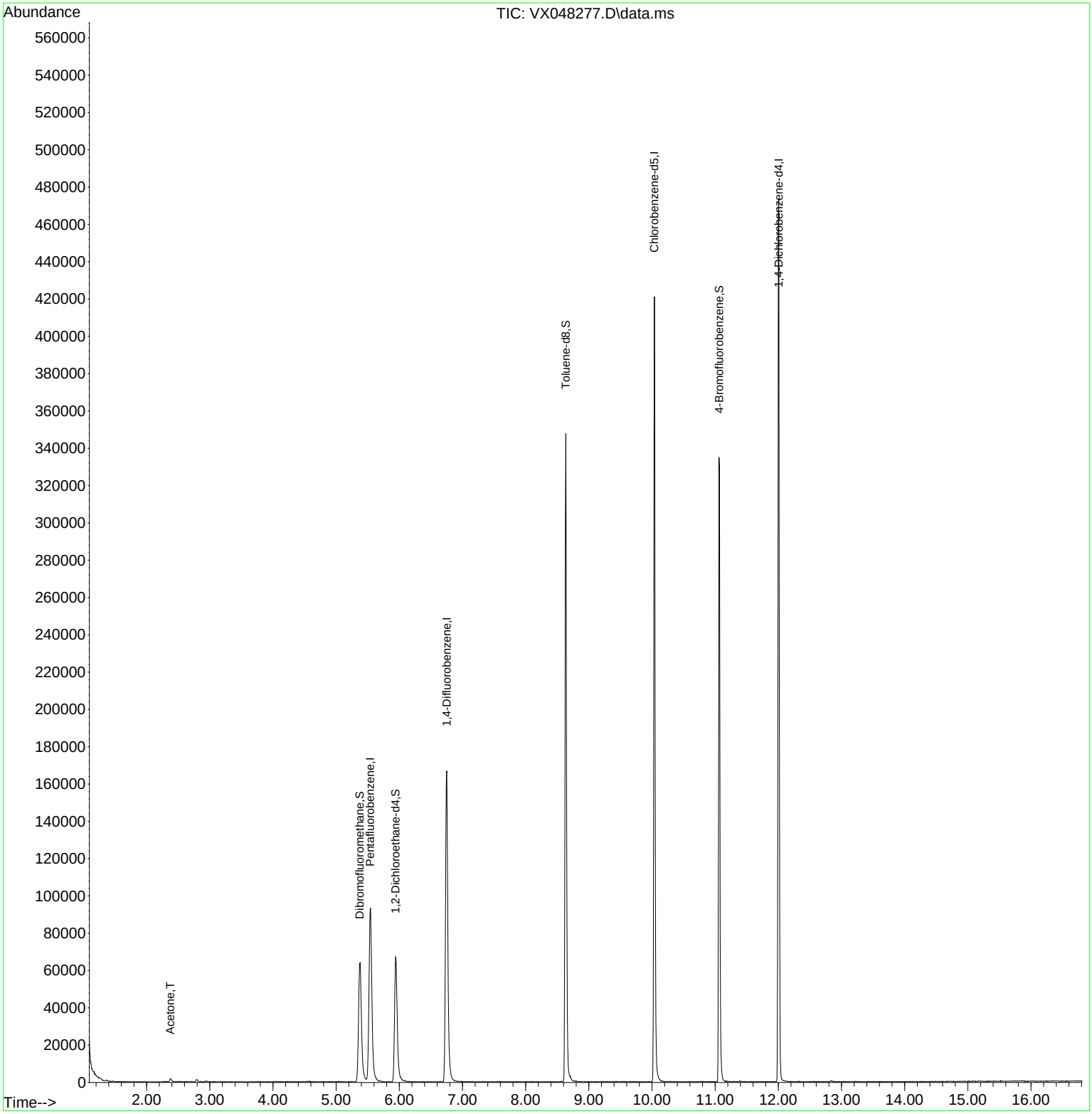
(#) = qualifier out of range (m) = manual integration (+) = signals summed

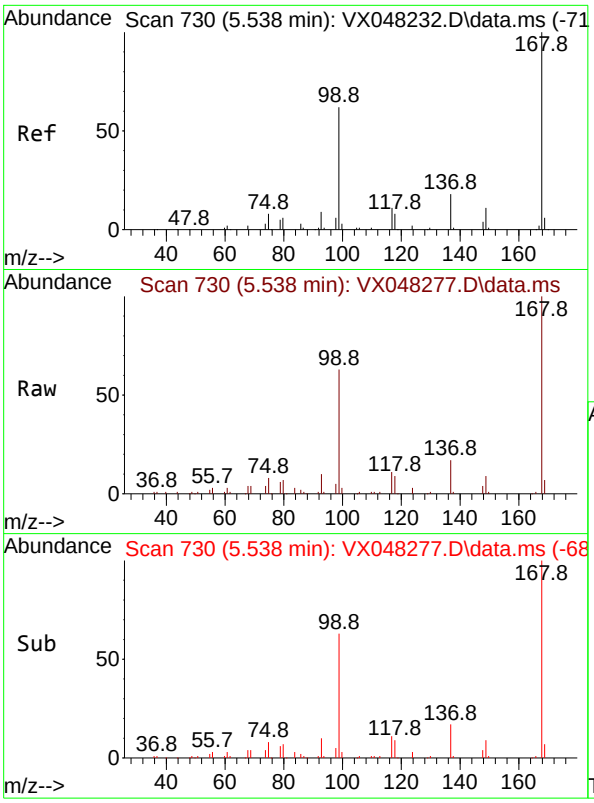
Sample Results: **VX048277.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048277.D
Acq On : 21 Oct 2025 17:48
Operator : JC/MD
Sample : Q3376-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB01-20251016

Quant Time: Oct 24 04:29:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



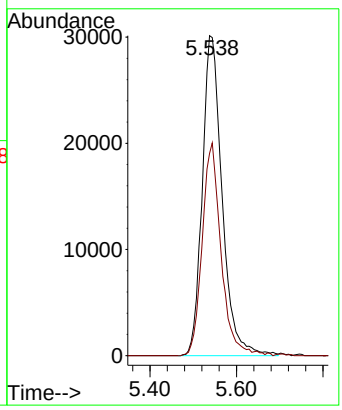


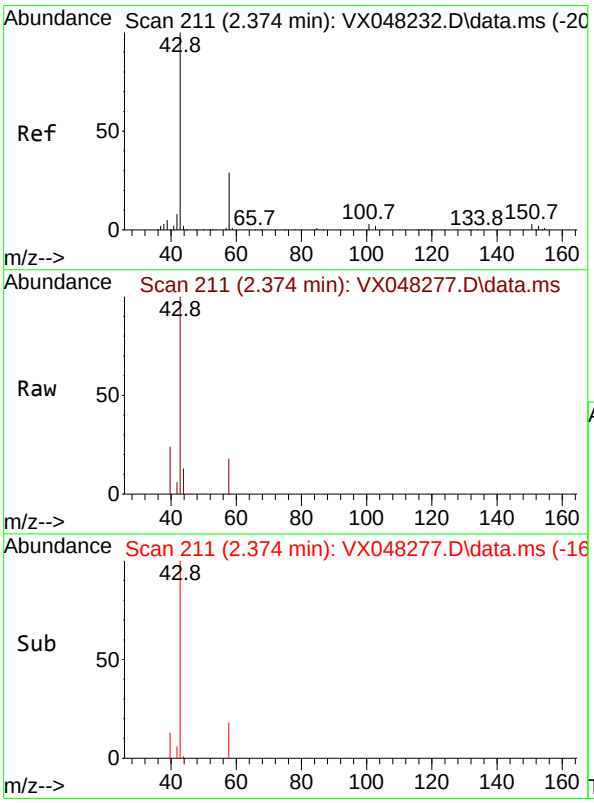
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048277.D
Acq: 21 Oct 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB01-20251016

Tgt Ion:168 Resp: 95980

Ion	Ratio	Lower	Upper
168	100		
99	63.2	46.4	69.6

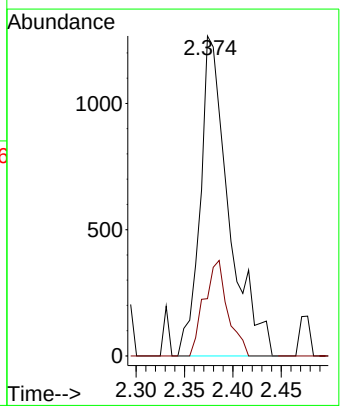


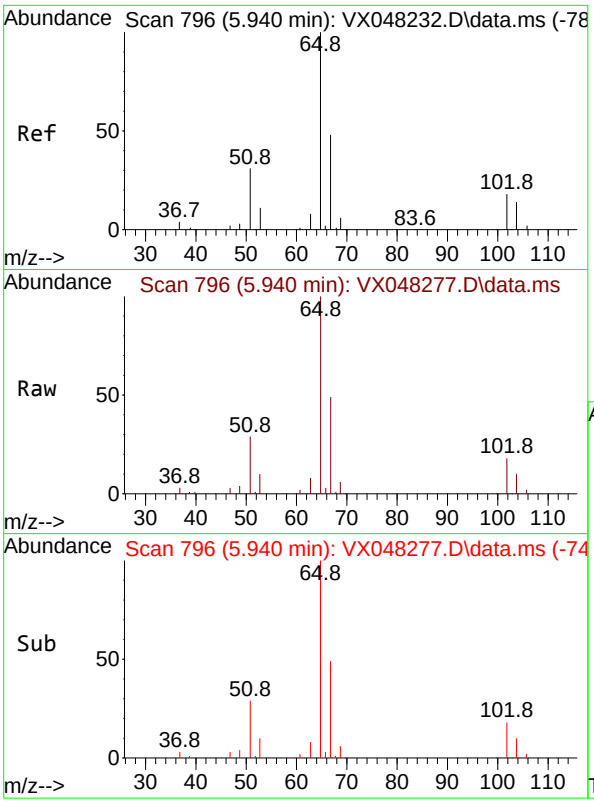


#16
Acetone
Concen: 5.673 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048277.D
Acq: 21 Oct 2025 17:48

Tgt Ion: 43 Resp: 2619

Ion	Ratio	Lower	Upper
43	100		
58	17.9	23.4	35.2#



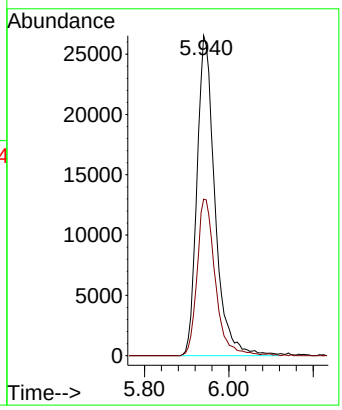


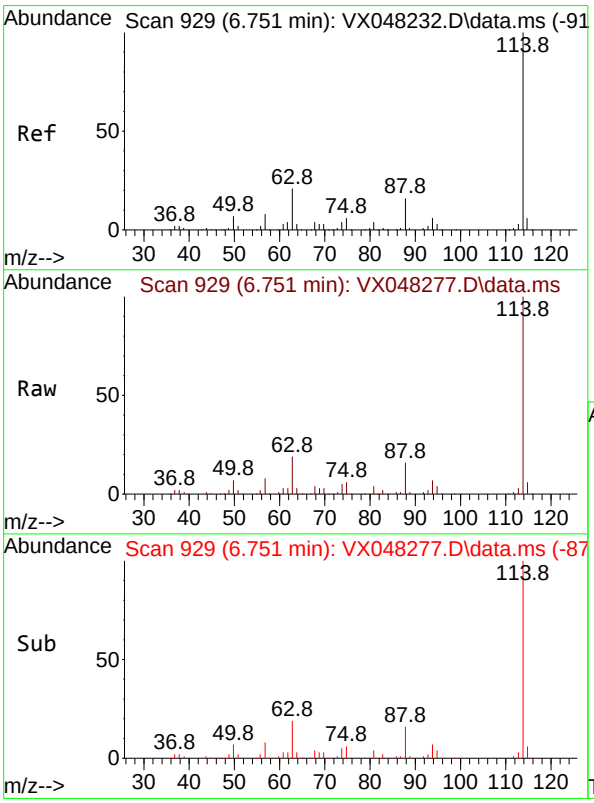
#33
1,2-Dichloroethane-d4
Concen: 58.438 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048277.D
Acq: 21 Oct 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB01-20251016

Tgt Ion: 65 Resp: 78641

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	105.0

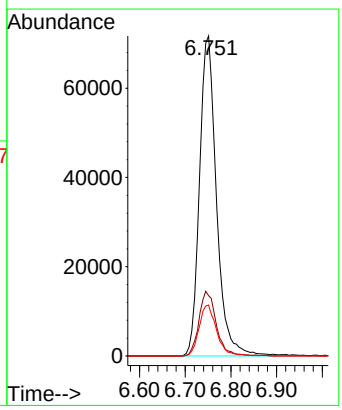


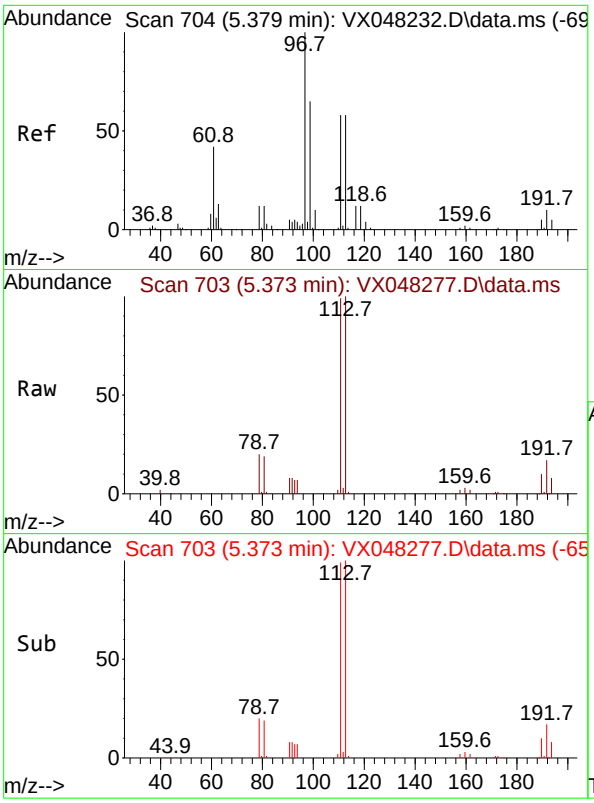


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048277.D
Acq: 21 Oct 2025 17:48

Tgt Ion:114 Resp: 184822

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	43.2
88	15.9	0.0	33.6



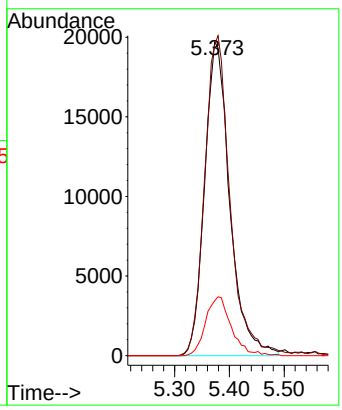


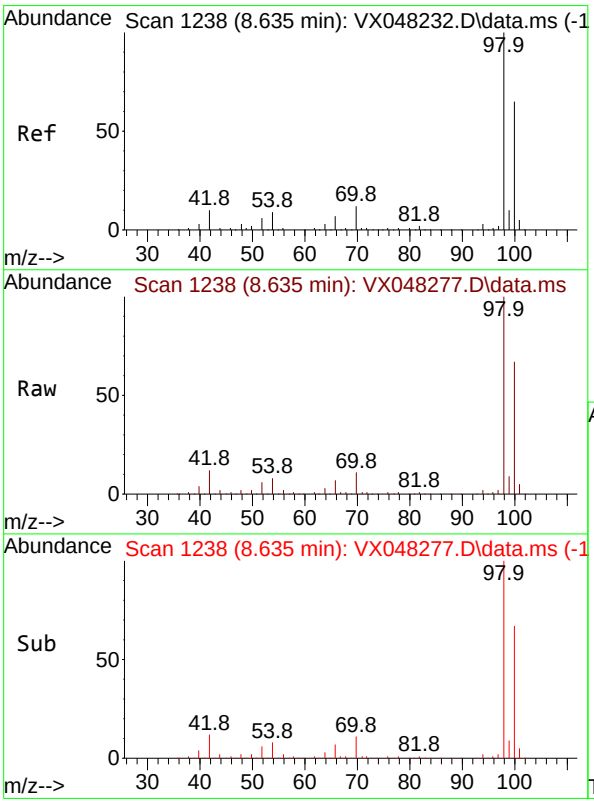
#35
Dibromofluoromethane
Concen: 49.756 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048277.D
Acq: 21 Oct 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB01-20251016

Tgt Ion:113 Resp: 62781

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	19.2	15.1	22.7

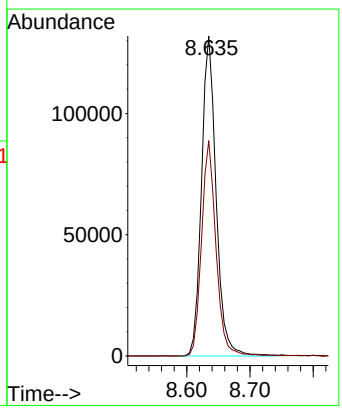


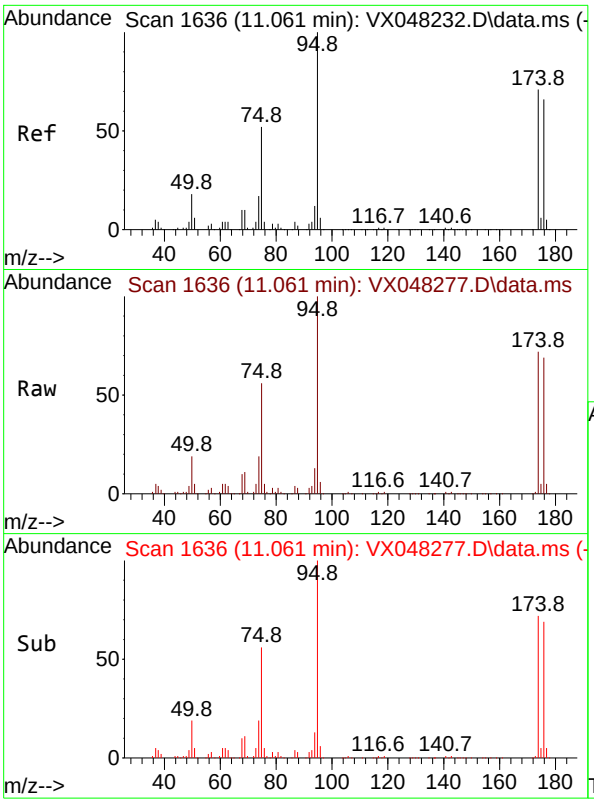


#50
Toluene-d8
Concen: 47.953 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048277.D
Acq: 21 Oct 2025 17:48

Tgt Ion: 98 Resp: 212078

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4



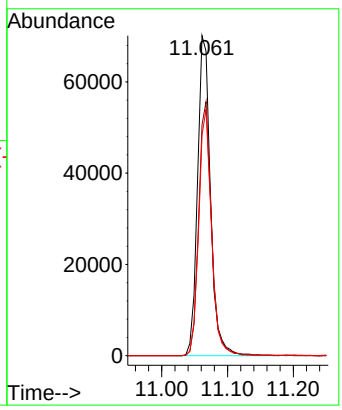


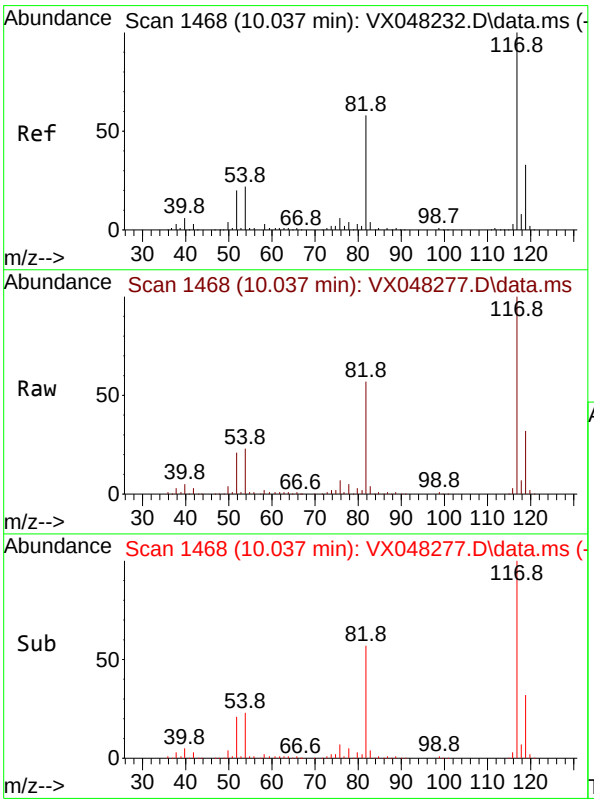
#62
4-Bromofluorobenzene
Concen: 57.074 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048277.D
Acq: 21 Oct 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB01-20251016

Tgt Ion: 95 Resp: 96027

Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	147.8
176	75.8	0.0	142.8

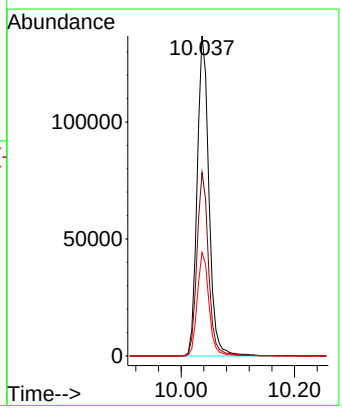


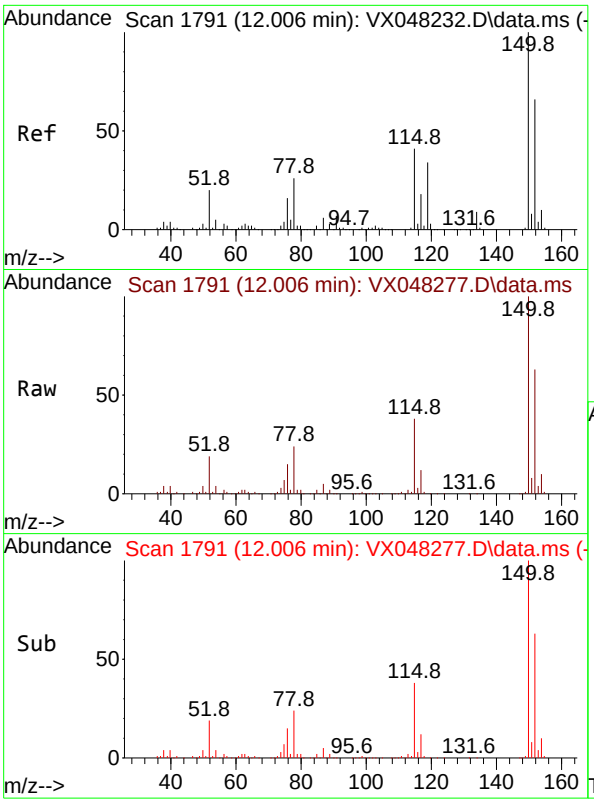


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048277.D
Acq: 21 Oct 2025 17:48

Tgt Ion:117 Resp: 196926

Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.5	69.7
119	32.4	25.9	38.9



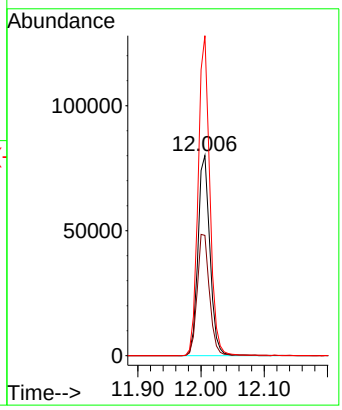


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048277.D
Acq: 21 Oct 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB01-20251016

Tgt Ion:152 Resp: 105671

Ion	Ratio	Lower	Upper
152	100		
115	62.2	43.1	129.4
150	156.0	0.0	353.0



Sample Results: **VX048277.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048277.D
Acq On : 21 Oct 2025 17:48
Operator : JC/MD
Sample : Q3376-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB01-20251016

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Title : SW846 8260

Signal : TIC: VX048277.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.379	692	704	720	rBV	63872	207646	32.62%	6.125%
2	5.544	720	731	746	rVV	91977	282414	44.36%	8.331%
3	5.940	787	796	815	rBV	66705	198653	31.21%	5.860%
4	6.751	919	929	947	rBV	166628	430433	67.61%	12.697%
5	8.635	1231	1238	1260	rBV	347551	564513	88.68%	16.652%
6	10.037	1462	1468	1485	rBV	420839	601505	94.49%	17.744%
7	11.061	1631	1636	1652	rBV	334805	468230	73.55%	13.812%
8	12.006	1785	1791	1803	rBV	473270	636599	100.00%	18.779%

Sum of corrected areas: 3389993

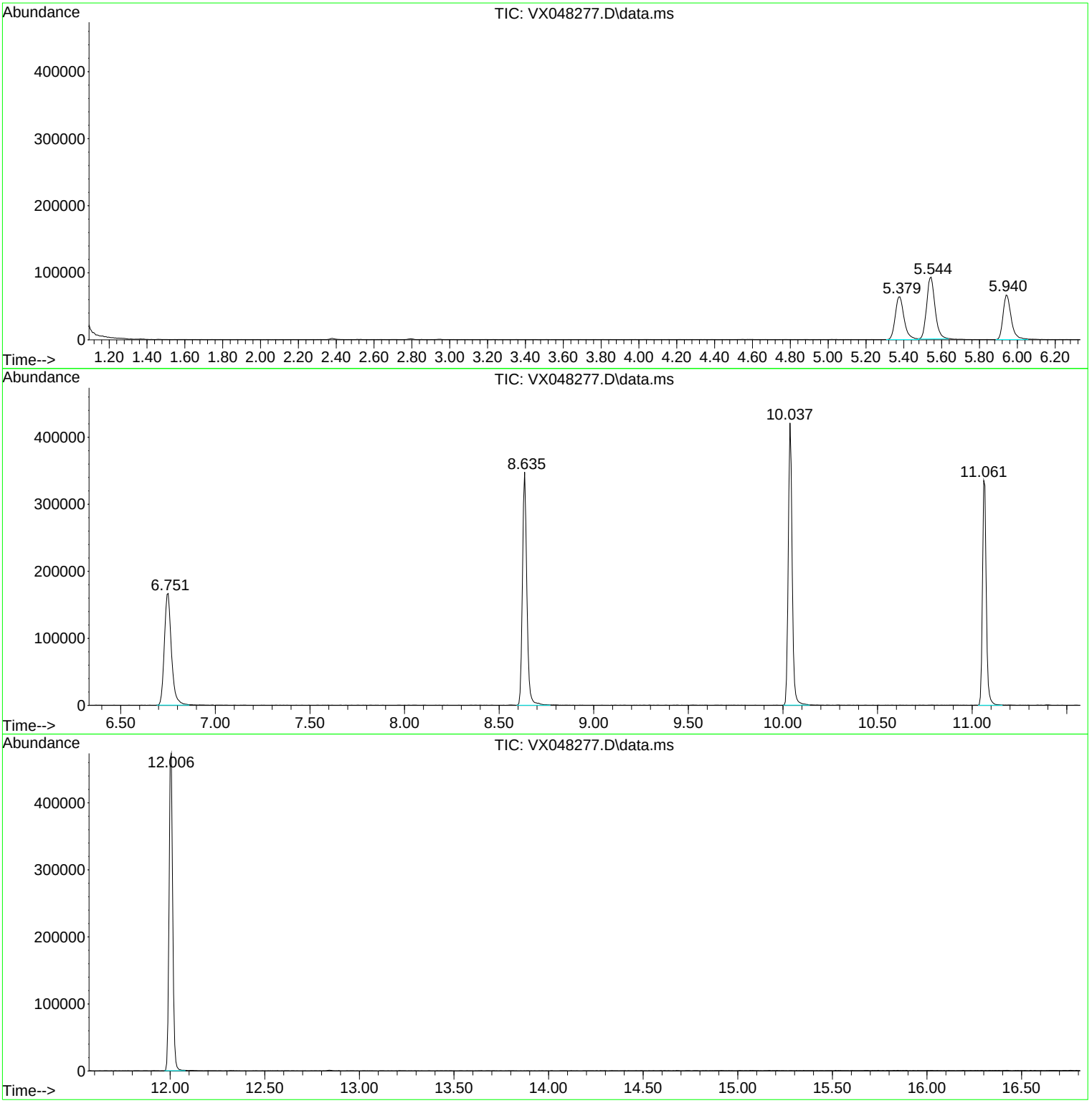
Sample Results: **VX048277.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048277.D
Acq On : 21 Oct 2025 17:48
Operator : JC/MD
Sample : Q3376-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB01-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX048277.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048277.D
Acq On : 21 Oct 2025 17:48
Operator : JC/MD
Sample : Q3376-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB01-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Sample Results: **VX048277.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048277.D
Acq On : 21 Oct 2025 17:48
Operator : JC/MD
Sample : Q3376-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB01-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

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

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: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: MSVOA_W Calibration Date(s): 10/01/2025 10/01/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:12 15:20

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

LAB FILE ID: RRF005 = VW032313.D RRF010 = VW032314.D RRF020 = VW032315.D
RRF050 = VW032316.D RRF100 = VW032317.D RRF150 = VW032318.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.347	0.343	0.345	0.264	0.284	0.299	0.314	11.5
Chloromethane	0.532	0.527	0.516	0.418	0.450	0.463	0.484	9.7
Vinyl Chloride	0.625	0.636	0.606	0.529	0.533	0.538	0.578	8.6
Bromomethane	0.483	0.472	0.435	0.382	0.391	0.386	0.425	10.6
Chloroethane	0.405	0.409	0.394	0.356	0.365	0.361	0.382	6.3
Trichlorofluoromethane	0.426	0.453	0.430	0.418	0.422	0.447	0.433	3.3
1,1,2-Trichlorotrifluoroethane	0.609	0.569	0.524	0.465	0.469	0.478	0.519	11.5
1,1-Dichloroethene	0.588	0.608	0.595	0.521	0.534	0.535	0.564	6.7
Acetone	0.235	0.230	0.209	0.183	0.174	0.181	0.202	13.1
Carbon Disulfide	1.581	1.583	1.581	1.442	1.517	1.521	1.538	3.7
Methyl tert-butyl Ether	1.087	1.161	1.150	1.069	1.094	1.099	1.110	3.3
Methyl Acetate	0.478	0.597	0.612	0.624	0.567	0.592	0.578	9.1
Methylene Chloride	1.280	1.052	0.811	0.631	0.630	0.625	0.838	32.6
trans-1,2-Dichloroethene	0.649	0.640	0.636	0.589	0.613	0.617	0.624	3.6
1,1-Dichloroethane	1.238	1.261	1.244	1.132	1.169	1.172	1.203	4.3
Cyclohexane	1.228	1.108	1.042	0.911	0.931	0.939	1.027	12.1
2-Butanone	0.271	0.293	0.286	0.262	0.262	0.277	0.275	4.6
Carbon Tetrachloride	0.446	0.441	0.427	0.403	0.434	0.429	0.430	3.5
cis-1,2-Dichloroethene	0.768	0.763	0.766	0.716	0.740	0.744	0.749	2.7
Bromochloromethane	0.566	0.588	0.583	0.547	0.553	0.557	0.566	2.9
Chloroform	1.257	1.275	1.271	1.146	1.191	1.178	1.220	4.5
1,1,1-Trichloroethane	0.906	0.910	0.896	0.816	0.835	0.822	0.864	5.1
Methylcyclohexane	0.585	0.542	0.529	0.521	0.568	0.561	0.551	4.5
Benzene	1.518	1.494	1.440	1.345	1.424	1.373	1.432	4.7
1,2-Dichloroethane	0.487	0.497	0.472	0.442	0.461	0.453	0.469	4.4
Trichloroethene	0.354	0.348	0.330	0.312	0.339	0.329	0.335	4.5
1,2-Dichloropropane	0.370	0.371	0.363	0.341	0.355	0.346	0.358	3.4
Bromodichloromethane	0.507	0.517	0.500	0.480	0.513	0.500	0.503	2.6
4-Methyl-2-Pentanone	0.289	0.325	0.318	0.312	0.314	0.317	0.313	3.9
Toluene	0.909	0.905	0.897	0.857	0.908	0.876	0.892	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.

Alliance TECHNICAL GROUP
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: MSVOA_W Calibration Date(s): 10/01/2025 10/01/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:12 15:20

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

LAB FILE ID: RRF005 = VW032313.D RRF010 = VW032314.D RRF020 = VW032315.D
RRF050 = VW032316.D RRF100 = VW032317.D RRF150 = VW032318.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.451	0.482	0.469	0.478	0.525	0.523	0.488	6.1
cis-1,3-Dichloropropene	0.531	0.571	0.550	0.544	0.591	0.584	0.562	4.2
1,1,2-Trichloroethane	0.304	0.307	0.295	0.280	0.293	0.285	0.294	3.6
2-Hexanone	0.202	0.225	0.226	0.219	0.223	0.228	0.220	4.4
Dibromochloromethane	0.317	0.327	0.334	0.326	0.355	0.343	0.334	4
1,2-Dibromoethane	0.286	0.295	0.288	0.278	0.285	0.287	0.287	2
Tetrachloroethene	0.327	0.325	0.299	0.278	0.287	0.279	0.299	7.3
Chlorobenzene	1.159	1.140	1.109	1.028	1.094	1.070	1.100	4.3
Ethyl Benzene	1.822	1.861	1.843	1.734	1.897	1.845	1.834	3
m/p-Xylenes	0.704	0.720	0.715	0.668	0.730	0.705	0.707	3
o-Xylene	0.632	0.665	0.653	0.637	0.701	0.678	0.661	3.9
Styrene	1.090	1.143	1.199	1.124	1.186	1.186	1.155	3.7
Bromoform	0.179	0.207	0.192	0.189	0.202	0.209	0.196	6
Isopropylbenzene	3.316	3.159	3.364	3.327	3.645	3.714	3.421	6.2
1,1,2,2-Tetrachloroethane	0.867	0.867	0.851	0.808	0.833	0.869	0.849	2.9
1,3-Dichlorobenzene	1.765	1.650	1.625	1.600	1.658	1.722	1.670	3.7
1,4-Dichlorobenzene	1.839	1.673	1.700	1.548	1.661	1.597	1.670	6
1,2-Dichlorobenzene	1.541	1.549	1.557	1.402	1.467	1.540	1.509	4.1
1,2-Dibromo-3-Chloropropane	0.146	0.144	0.150	0.146	0.147	0.160	0.149	3.8
1,2,4-Trichlorobenzene	0.956	0.842	0.865	0.833	0.938	0.997	0.905	7.5
1,2,3-Trichlorobenzene	0.893	0.818	0.839	0.810	0.864	0.895	0.853	4.3
1,2-Dichloroethane-d4	0.738	0.758	0.765	0.695	0.714	0.706	0.729	4
Dibromofluoromethane	0.331	0.335	0.327	0.306	0.331	0.311	0.324	3.8
Toluene-d8	1.182	1.204	1.166	1.193	1.231	1.194	1.195	1.8
4-Bromofluorobenzene	0.472	0.449	0.436	0.448	0.459	0.446	0.452	2.8

* 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 : 82W100125S.M
Title : SW846 8260
Last Update : Thu Oct 02 21:24:16 2025
Response Via : Initial Calibration

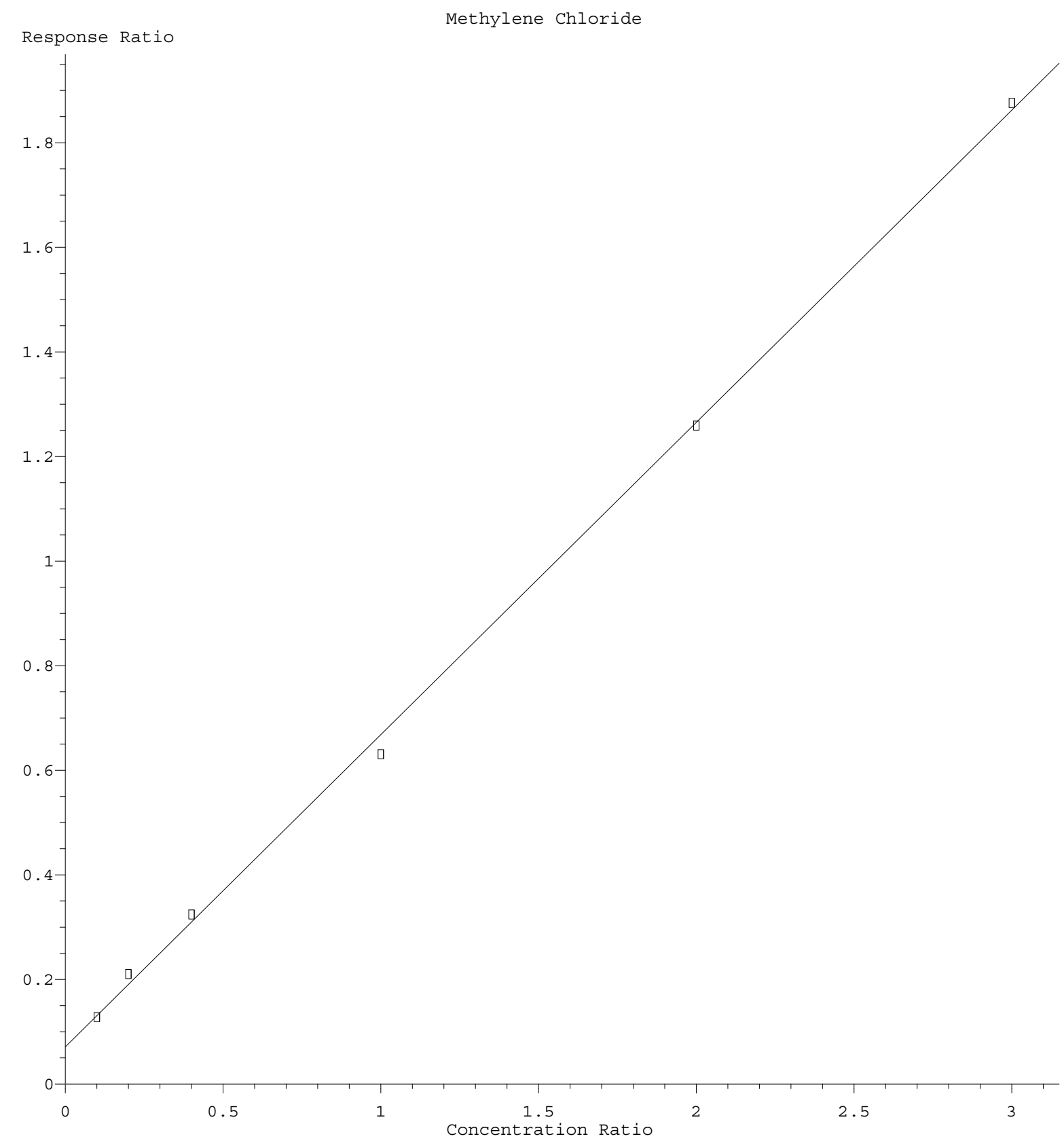
Calibration Files
5 =VW032313.D 10 =VW032314.D 20 =VW032315.D 50 =VW032316.D 100 =VW032317.D 150 =VW032318.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.347	0.343	0.345	0.264	0.284	0.299	0.314	11.52
3)	P	Chloromethane	0.532	0.527	0.516	0.418	0.450	0.463	0.484	9.72
4)	C	Vinyl Chloride	0.625	0.636	0.606	0.529	0.533	0.538	0.578	8.63#
5)	T	Bromomethane	0.483	0.472	0.435	0.382	0.391	0.386	0.425	10.61
6)	T	Chloroethane	0.405	0.409	0.394	0.356	0.365	0.361	0.382	6.27
7)	T	Trichlorofluor...	0.426	0.453	0.430	0.418	0.422	0.447	0.433	3.30
8)	T	Diethyl Ether	0.389	0.406	0.387	0.344	0.360	0.365	0.375	6.01
9)	T	1,1,2-Trichlor...	0.609	0.569	0.524	0.465	0.469	0.478	0.519	11.46
10)	T	Methyl Iodide	0.753	0.777	0.790	0.693	0.704	0.726	0.741	5.32
11)	T	Tert butyl alc...	0.057	0.062	0.061	0.049	0.049	0.054	0.055	10.36
12)	CM	1,1-Dichloroet...	0.588	0.608	0.595	0.521	0.534	0.535	0.564	6.68#
13)	T	Acrolein	0.091	0.098	0.102	0.080	0.083	0.084	0.090	9.91
14)	T	Allyl chloride	0.983	0.992	0.958	0.911	0.921	0.947	0.952	3.42
15)	T	Acrylonitrile	0.189	0.202	0.200	0.187	0.192	0.200	0.195	3.32
16)	T	Acetone	0.235	0.230	0.209	0.183	0.174	0.181	0.202	13.10
17)	T	Carbon Disulfide	1.581	1.583	1.581	1.442	1.517	1.521	1.538	3.65
18)	T	Methyl Acetate	0.478	0.597	0.612	0.624	0.567	0.592	0.578	9.12
19)	T	Methyl tert-bu...	1.087	1.161	1.150	1.069	1.094	1.099	1.110	3.33
20)	T	Methylene Chlo...	1.280	1.052	0.811	0.631	0.630	0.625	0.838	32.60
21)	T	trans-1,2-Dich...	0.649	0.640	0.636	0.589	0.613	0.617	0.624	3.56
22)	T	Diisopropyl ether	1.900	2.086	2.085	1.897	1.951	1.958	1.979	4.34
23)	T	Vinyl Acetate	1.247	1.325	1.375	1.256	1.349	1.380	1.322	4.40
24)	P	1,1-Dichloroet...	1.238	1.261	1.244	1.132	1.169	1.172	1.203	4.34
25)	T	2-Butanone	0.271	0.293	0.286	0.262	0.262	0.277	0.275	4.60
26)	T	2,2-Dichloropr...	0.659	0.654	0.635	0.576	0.590	0.577	0.615	6.23
27)	T	cis-1,2-Dichlo...	0.768	0.763	0.766	0.716	0.740	0.744	0.749	2.65
28)	T	Bromochloromet...	0.566	0.588	0.583	0.547	0.553	0.557	0.566	2.93
29)	T	Tetrahydrofuran	0.161	0.176	0.180	0.171	0.171	0.179	0.173	4.21
30)	C	Chloroform	1.257	1.275	1.271	1.146	1.191	1.178	1.220	4.50#
31)	T	Cyclohexane	1.228	1.108	1.042	0.911	0.931	0.939	1.027	12.15
32)	T	1,1,1-Trichlor...	0.906	0.910	0.896	0.816	0.835	0.822	0.864	5.15
33)	S	1,2-Dichloroet...	0.738	0.758	0.765	0.695	0.714	0.706	0.729	3.95
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.331	0.335	0.327	0.306	0.331	0.311	0.324	3.76
36)	T	1,1-Dichloropr...	0.471	0.470	0.455	0.439	0.460	0.446	0.457	2.80
37)	T	Ethyl Acetate	0.302	0.315	0.302	0.290	0.305	0.310	0.304	2.83
38)	T	Carbon Tetrach...	0.446	0.441	0.427	0.403	0.434	0.429	0.430	3.49
39)	T	Methylcyclohexane	0.585	0.542	0.529	0.521	0.568	0.561	0.551	4.46
40)	TM	Benzene	1.518	1.494	1.440	1.345	1.424	1.373	1.432	4.66
41)	T	Methacrylonitrile	0.143	0.158	0.172	0.164	0.171	0.175	0.164	7.29
42)	TM	1,2-Dichloroet...	0.487	0.497	0.472	0.442	0.461	0.453	0.469	4.41
43)	T	Isopropyl Acetate	0.498	0.540	0.539	0.520	0.565	0.575	0.540	5.23
44)	TM	Trichloroethene	0.354	0.348	0.330	0.312	0.339	0.329	0.335	4.52
45)	C	1,2-Dichloropr...	0.370	0.371	0.363	0.341	0.355	0.346	0.358	3.44#
46)	T	Dibromomethane	0.224	0.229	0.222	0.211	0.219	0.215	0.220	2.93
47)	T	Bromodichlorom...	0.507	0.517	0.500	0.480	0.513	0.500	0.503	2.60
48)	T	Methyl methacr...	0.237	0.260	0.257	0.259	0.278	0.284	0.262	6.39
49)	T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003	7.47
50)	S	Toluene-d8	1.182	1.204	1.166	1.193	1.231	1.194	1.195	1.82
51)	T	4-Methyl-2-Pen...	0.289	0.325	0.318	0.312	0.314	0.317	0.313	3.87
52)	CM	Toluene	0.909	0.905	0.897	0.857	0.908	0.876	0.892	2.36#
53)	T	t-1,3-Dichloro...	0.451	0.482	0.469	0.478	0.525	0.523	0.488	6.14
54)	T	cis-1,3-Dichlo...	0.531	0.571	0.550	0.544	0.591	0.584	0.562	4.22
55)	T	1,1,2-Trichlor...	0.304	0.307	0.295	0.280	0.293	0.285	0.294	3.58
56)	T	Ethyl methacry...	0.354	0.401	0.399	0.408	0.451	0.454	0.411	9.03

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W100125S.M

57)	T	1,3-Dichloropr...	0.518	0.545	0.526	0.498	0.519	0.507	0.519	3.10
58)	T	2-Chloroethyl ...	0.177	0.199	0.204	0.241	0.243	0.249	0.219	13.48
59)	T	2-Hexanone	0.202	0.225	0.226	0.219	0.223	0.228	0.220	4.37
60)	T	Dibromochlorom...	0.317	0.327	0.334	0.326	0.355	0.343	0.334	4.05
61)	T	1,2-Dibromoethane	0.286	0.295	0.288	0.278	0.285	0.287	0.287	2.00
62)	S	4-Bromofluorob...	0.472	0.449	0.436	0.448	0.459	0.446	0.452	2.77
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.327	0.325	0.299	0.278	0.287	0.279	0.299	7.28
65)	PM	Chlorobenzene	1.159	1.140	1.109	1.028	1.094	1.070	1.100	4.33
66)	T	1,1,1,2-Tetrac...	0.339	0.351	0.347	0.317	0.351	0.351	0.343	3.98
67)	C	Ethyl Benzene	1.822	1.861	1.843	1.734	1.897	1.845	1.834	2.98#
68)	T	m/p-Xylenes	0.704	0.720	0.715	0.668	0.730	0.705	0.707	3.05
69)	T	o-Xylene	0.632	0.665	0.653	0.637	0.701	0.678	0.661	3.92
70)	T	Styrene	1.090	1.143	1.199	1.124	1.186	1.186	1.155	3.73
71)	P	Bromoform	0.179	0.207	0.192	0.189	0.202	0.209	0.196	5.98
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.316	3.159	3.364	3.327	3.645	3.714	3.421	6.24
74)	T	N-amyl acetate	0.964	1.027	1.080	1.063	1.169	1.245	1.091	9.24
75)	P	1,1,2,2-Tetrac...	0.867	0.867	0.851	0.808	0.833	0.869	0.849	2.88
76)	T	1,2,3-Trichlor...	0.747	0.656	0.640	0.605	0.638	0.662	0.658	7.32
77)	T	Bromobenzene	0.824	0.787	0.807	0.817	0.858	0.853	0.825	3.30
78)	T	n-propylbenzene	4.287	4.025	4.285	4.100	4.439	4.502	4.273	4.34
79)	T	2-Chlorotoluene	2.604	2.575	2.604	2.520	2.625	2.748	2.613	2.90
80)	T	1,3,5-Trimethy...	2.940	2.807	2.855	2.912	3.114	3.120	2.958	4.44
81)	T	trans-1,4-Dich...	0.211	0.235	0.244	0.268	0.293	0.307	0.260	14.03
82)	T	4-Chlorotoluene	2.847	2.743	2.778	2.650	2.810	2.839	2.778	2.65
83)	T	tert-Butylbenzene	2.385	2.347	2.389	2.357	2.551	2.534	2.427	3.74
84)	T	1,2,4-Trimethy...	2.973	2.881	3.046	2.965	3.126	3.055	3.008	2.85
85)	T	sec-Butylbenzene	3.808	3.536	3.562	3.568	3.798	3.981	3.709	4.87
86)	T	p-Isopropyltol...	3.133	2.873	3.086	3.000	3.160	3.213	3.077	4.01
87)	T	1,3-Dichlorobe...	1.765	1.650	1.625	1.600	1.658	1.722	1.670	3.71
88)	T	1,4-Dichlorobe...	1.839	1.673	1.700	1.548	1.661	1.597	1.670	5.97
89)	T	n-Butylbenzene	3.008	2.818	2.942	2.891	3.116	3.253	3.005	5.29
90)	T	Hexachloroethane	0.571	0.535	0.518	0.521	0.575	0.589	0.552	5.52
91)	T	1,2-Dichlorobe...	1.541	1.549	1.557	1.402	1.467	1.540	1.509	4.11
92)	T	1,2-Dibromo-3-...	0.146	0.144	0.150	0.146	0.147	0.160	0.149	3.78
93)	T	1,2,4-Trichlor...	0.956	0.842	0.865	0.833	0.938	0.997	0.905	7.47
94)	T	Hexachlorobuta...	0.478	0.426	0.379	0.362	0.413	0.425	0.414	9.83
95)	T	Naphthalene	1.948	1.919	2.162	2.195	2.280	2.538	2.174	10.51
96)	T	1,2,3-Trichlor...	0.893	0.818	0.839	0.810	0.864	0.895	0.853	4.34

(#) = Out of Range



Response = 5.970e-001 * Amt + 7.148e-002
Coef of Det (r^2) = 0.999066 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA W\Method\82W100125S.M
Calibration Table Last Updated: Thu Oct 02 21:24:16 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032313.D
Acq On : 01 Oct 2025 13:12
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	284753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	526707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	478552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	234250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	21010	5.059	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	10.120%#		
35) Dibromofluoromethane	7.898	113	17458	5.118	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	10.240%#		
50) Toluene-d8	10.325	98	62281	4.947	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	9.900%#		
62) 4-Bromofluorobenzene	12.617	95	24882	5.229	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	10.460%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	9893	5.537	ug/l	96
3) Chloromethane	2.253	50	15140	5.491	ug/l	96
4) Vinyl Chloride	2.399	62	17809	5.410	ug/l	98
5) Bromomethane	2.832	94	13745	5.682	ug/l	87
6) Chloroethane	2.966	64	11537	5.309	ug/l	97
7) Trichlorofluoromethane	3.302	101	12133	4.923	ug/l	100
8) Diethyl Ether	3.722	74	11070	5.183	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.112	101	17336	5.865	ug/l #	87
10) Methyl Iodide	4.320	142	21442	5.084	ug/l	98
11) Tert butyl alcohol	5.210	59	8165	25.972	ug/l	97
12) 1,1-Dichloroethene	4.082	96	16745	5.218	ug/l	90
13) Acrolein	3.936	56	12931	25.344	ug/l	97
14) Allyl chloride	4.704	41	27986	5.163	ug/l	90
15) Acrylonitrile	5.411	53	26916	24.226	ug/l	98
16) Acetone	4.167	43	33407	29.049	ug/l	100
17) Carbon Disulfide	4.423	76	45031	5.143	ug/l	100
18) Methyl Acetate	4.710	43	13618	4.134	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	30951	4.897	ug/l	95
20) Methylene Chloride	4.954	84	36441	4.732	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	18485	5.203	ug/l	98
22) Diisopropyl ether	6.338	45	54095	4.799	ug/l #	87
23) Vinyl Acetate	6.289	43	177543	23.579	ug/l	100
24) 1,1-Dichloroethane	6.252	63	35264	5.149	ug/l	96
25) 2-Butanone	7.203	43	38549	24.612	ug/l	95
26) 2,2-Dichloropropane	7.191	77	18751	5.352	ug/l	97
27) cis-1,2-Dichloroethene	7.197	96	21855	5.120	ug/l	93
28) Bromochloromethane	7.533	49	16126	5.005	ug/l	87
29) Tetrahydrofuran	7.557	42	22855	23.204	ug/l	92
30) Chloroform	7.691	83	35798	5.154	ug/l	93
31) Cyclohexane	7.971	56	34981	5.983	ug/l #	87
32) 1,1,1-Trichloroethane	7.886	97	25812	5.244	ug/l	98
36) 1,1-Dichloropropene	8.093	75	24817	5.155	ug/l	98
37) Ethyl Acetate	7.276	43	15932	4.972	ug/l	96
38) Carbon Tetrachloride	8.087	117	23500	5.188	ug/l	99
39) Methylcyclohexane	9.343	83	30816	5.307	ug/l	95
40) Benzene	8.337	78	79933	5.297	ug/l	94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032313.D
Acq On : 01 Oct 2025 13:12
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	7536	4.364	ug/l		99
42) 1,2-Dichloroethane	8.417	62	25632	5.192	ug/l		97
43) Isopropyl Acetate	8.441	43	26247	4.618	ug/l		97
44) Trichloroethene	9.099	130	18643	5.277	ug/l		98
45) 1,2-Dichloropropane	9.380	63	19476	5.171	ug/l		97
46) Dibromomethane	9.471	93	11793	5.092	ug/l		96
47) Bromodichloromethane	9.654	83	26693	5.039	ug/l		92
48) Methyl methacrylate	9.441	41	12470	4.512	ug/l	#	90
49) 1,4-Dioxane	9.465	88	2732	86.306	ug/l	#	86
51) 4-Methyl-2-Pentanone	10.215	43	76240	23.157	ug/l		97
52) Toluene	10.392	92	47870	5.094	ug/l		100
53) t-1,3-Dichloropropene	10.611	75	23740	4.619	ug/l		95
54) cis-1,3-Dichloropropene	10.075	75	27985	4.727	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	16014	5.174	ug/l		93
56) Ethyl methacrylate	10.648	69	18666	4.308	ug/l		97
57) 1,3-Dichloropropane	10.934	76	27288	4.991	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	46589	20.206	ug/l		95
59) 2-Hexanone	10.971	43	53126	22.879	ug/l		96
60) Dibromochloromethane	11.129	129	16674	4.744	ug/l		95
61) 1,2-Dibromoethane	11.239	107	15062	4.990	ug/l		99
64) Tetrachloroethene	10.867	164	15638	5.461	ug/l		93
65) Chlorobenzene	11.660	112	55479	5.269	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.733	131	16206	4.942	ug/l		98
67) Ethyl Benzene	11.733	91	87214	4.969	ug/l		99
68) m/p-Xylenes	11.837	106	67346	9.951	ug/l		100
69) o-Xylene	12.166	106	30267	4.782	ug/l		98
70) Styrene	12.178	104	52147	4.719	ug/l		98
71) Bromoform	12.349	173	8566	4.557	ug/l	#	99
73) Isopropylbenzene	12.465	105	77676	4.847	ug/l		100
74) N-amyl acetate	12.270	43	22577	4.416	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.715	83	20303	5.102	ug/l		98
76) 1,2,3-Trichloropropane	12.763	75	17510m	5.665	ug/l		
77) Bromobenzene	12.745	156	19313	4.999	ug/l		85
78) n-propylbenzene	12.800	91	100413	5.016	ug/l		96
79) 2-Chlorotoluene	12.891	91	61002	4.984	ug/l		97
80) 1,3,5-Trimethylbenzene	12.940	105	68864	4.969	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.507	75	4939	4.059	ug/l		87
82) 4-Chlorotoluene	12.989	91	66681	5.124	ug/l		99
83) tert-Butylbenzene	13.202	119	55879	4.914	ug/l		96
84) 1,2,4-Trimethylbenzene	13.245	105	69654	4.943	ug/l		100
85) sec-Butylbenzene	13.379	105	89212	5.134	ug/l		96
86) p-Isopropyltoluene	13.495	119	73385	5.090	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	41335	5.284	ug/l		94
88) 1,4-Dichlorobenzene	13.574	146	43076	5.507	ug/l		95
89) n-Butylbenzene	13.818	91	70466	5.006	ug/l		98
90) Hexachloroethane	14.086	117	13382	5.178	ug/l		96
91) 1,2-Dichlorobenzene	13.861	146	36095	5.104	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	3424	4.914	ug/l		84
93) 1,2,4-Trichlorobenzene	15.129	180	22385	5.279	ug/l		99
94) Hexachlorobutadiene	15.232	225	11196	5.775	ug/l		96
95) Naphthalene	15.360	128	45626	4.481	ug/l		98
96) 1,2,3-Trichlorobenzene	15.543	180	20926	5.236	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032313.D
Acq On : 01 Oct 2025 13:12
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

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

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

ICAL Form

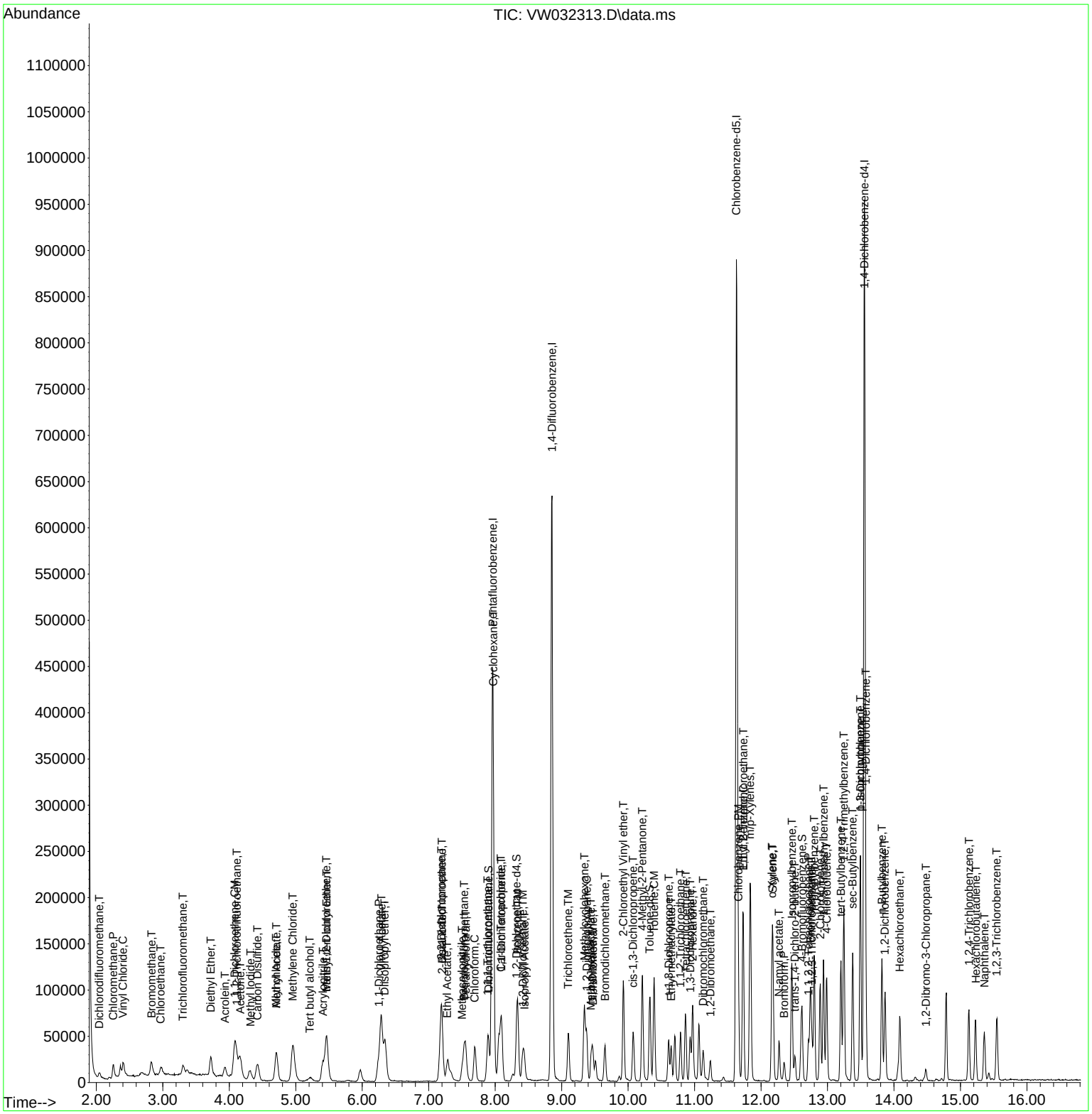
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Data File : VW032313.D
Acq On : 01 Oct 2025 13:12
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

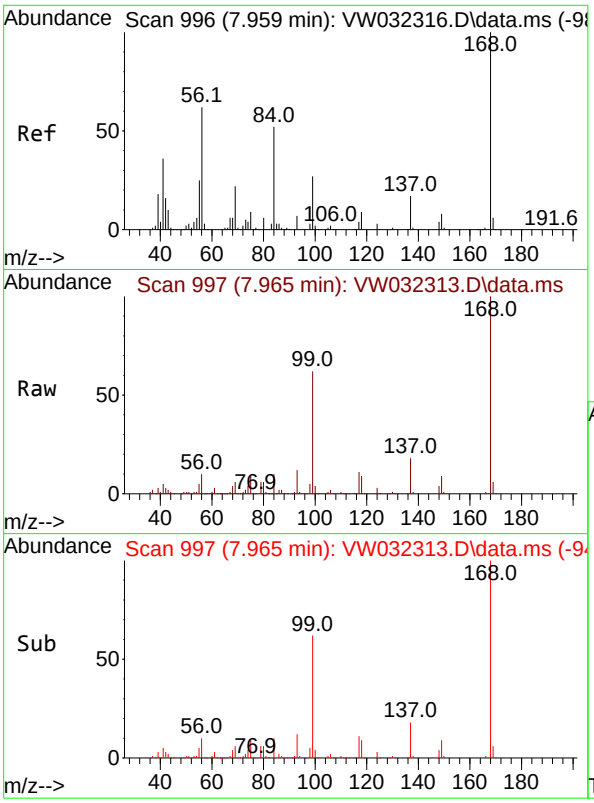
Quant Time: Oct 02 21:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

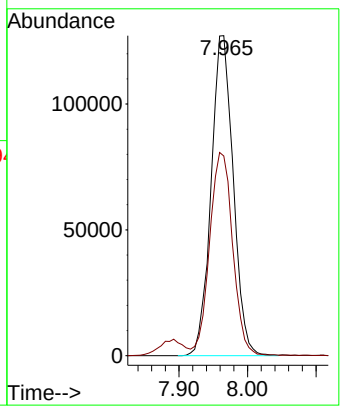




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:168 Resp: 28475

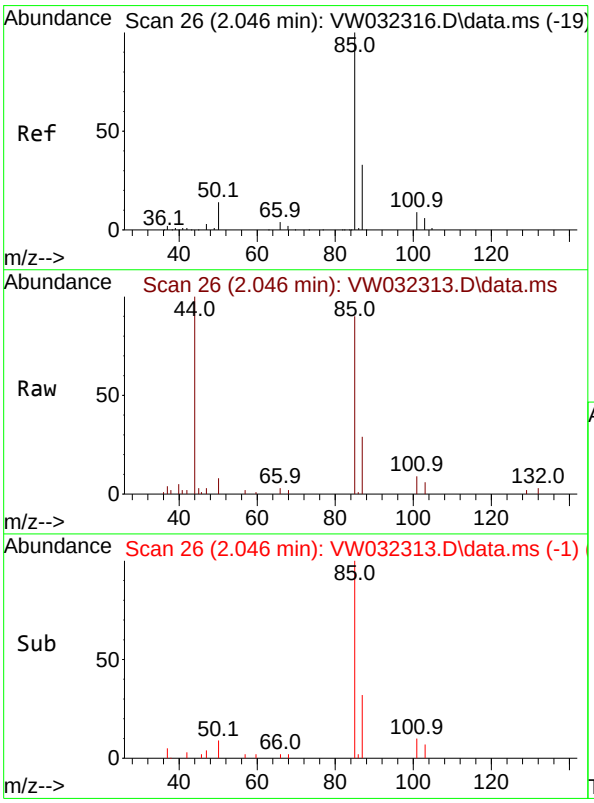
Ion	Ratio	Lower	Upper
168	100		
99	62.3	49.3	73.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

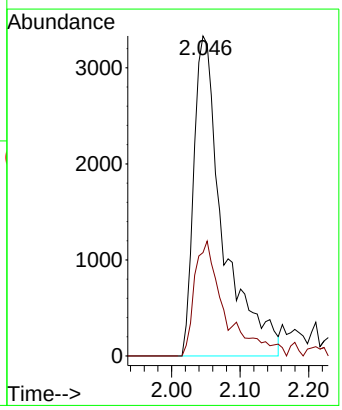
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

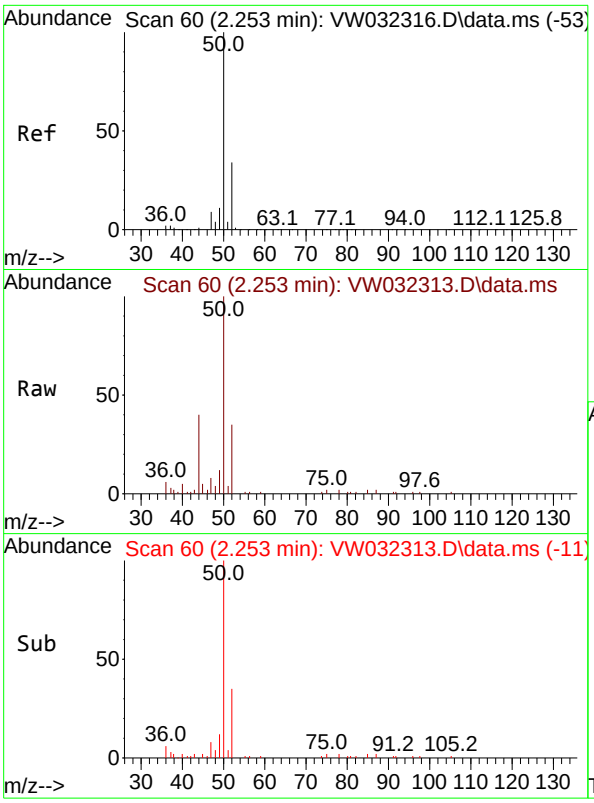


#2
Dichlorodifluoromethane
Concen: 5.537 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 85 Resp: 9893

Ion	Ratio	Lower	Upper
85	100		
87	32.3	17.2	51.6

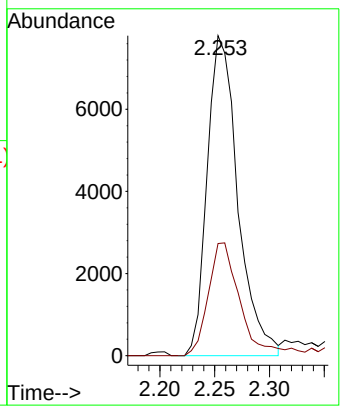




#3
Chloromethane
Concen: 5.491 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 50 Resp: 1514

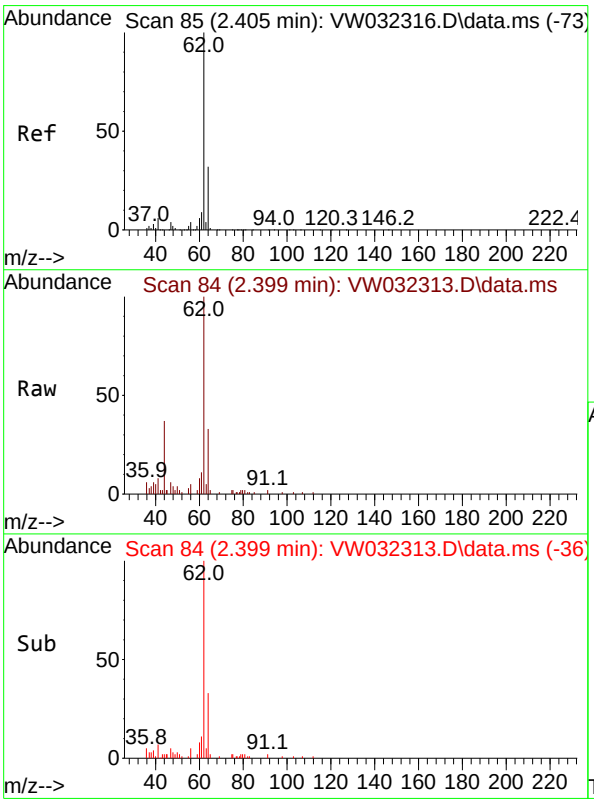
Ion	Ratio	Lower	Upper
50	100		
52	35.1	26.1	39.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

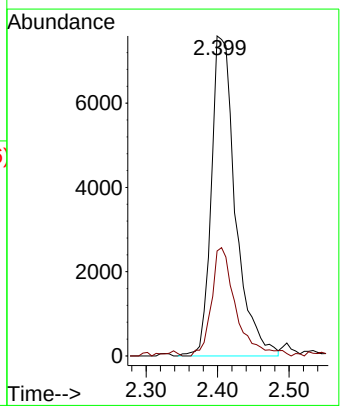
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

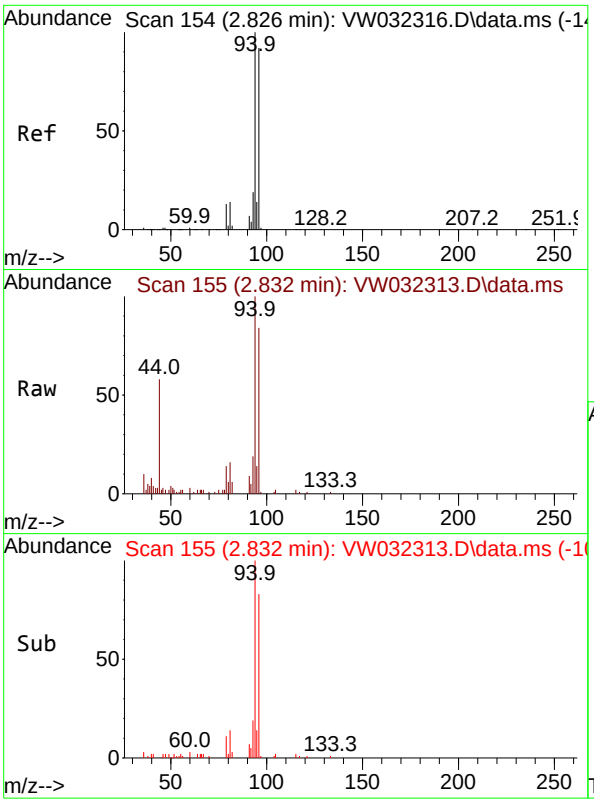


#4
Vinyl Chloride
Concen: 5.410 ug/l
RT: 2.399 min Scan# 84
Delta R.T. -0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 62 Resp: 17809

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.8	37.2





#5
Bromomethane
Concen: 5.682 ug/l
RT: 2.832 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

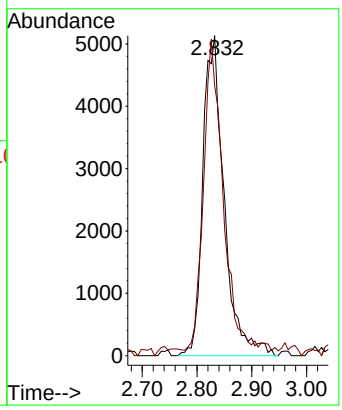
Tgt Ion: 94 Resp: 1374

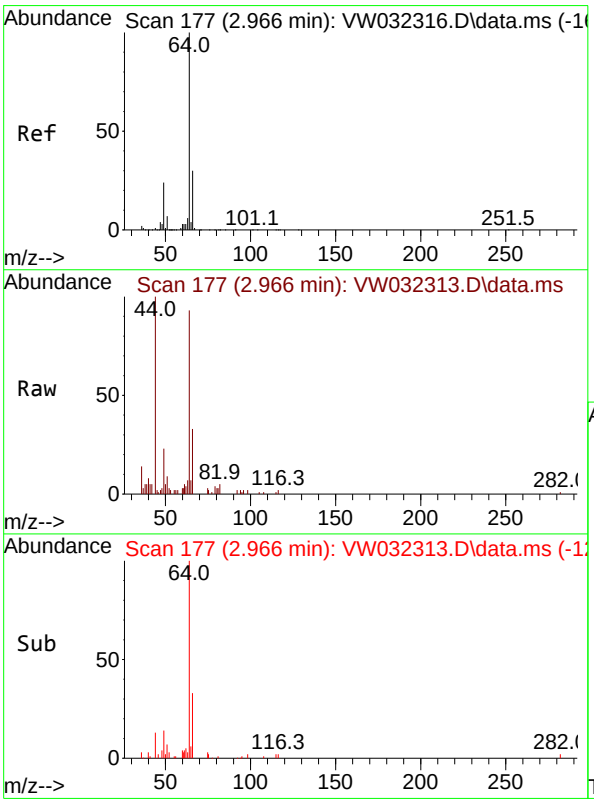
Ion	Ratio	Lower	Upper
94	100		
96	82.8	76.6	115.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

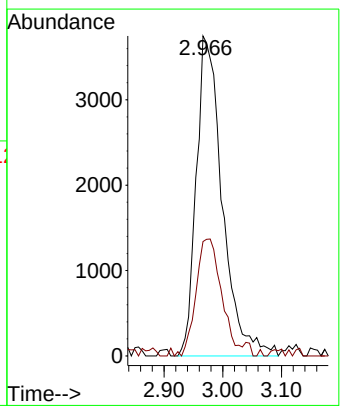


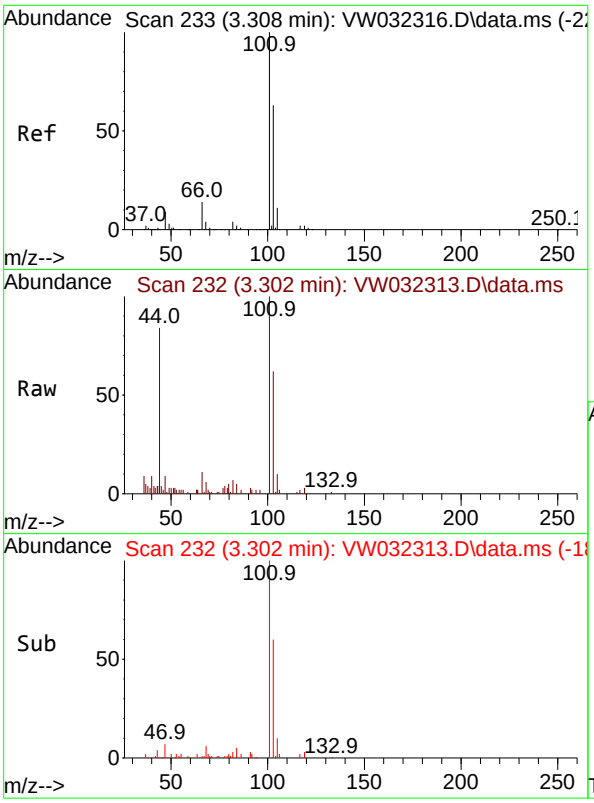


#6
Chloroethane
Concen: 5.309 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 64 Resp: 11537

Ion	Ratio	Lower	Upper
64	100		
66	34.4	26.2	39.4

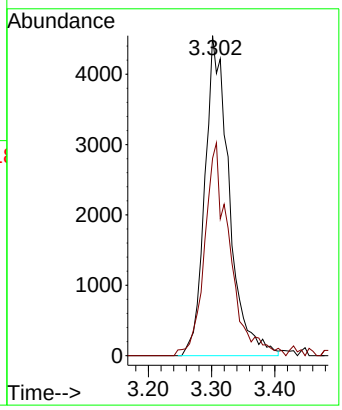




#7
Trichlorofluoromethane
Concen: 4.923 ug/l
RT: 3.302 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:101 Resp: 1213

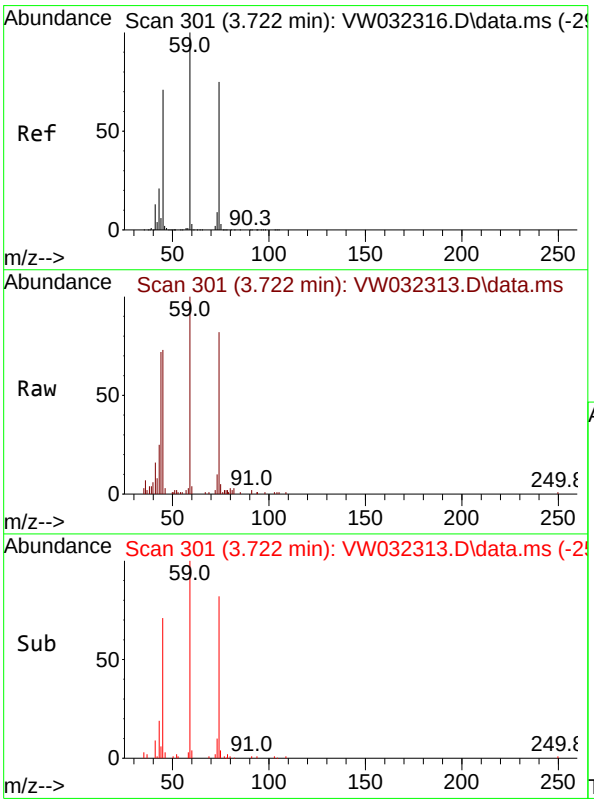
Ion	Ratio	Lower	Upper
101	100		
103	59.9	47.8	71.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

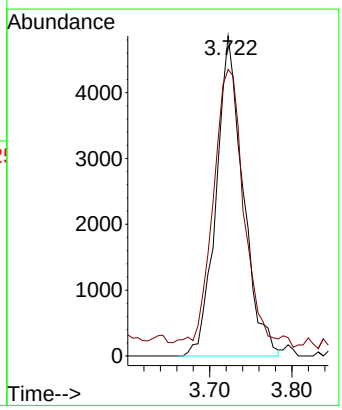
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

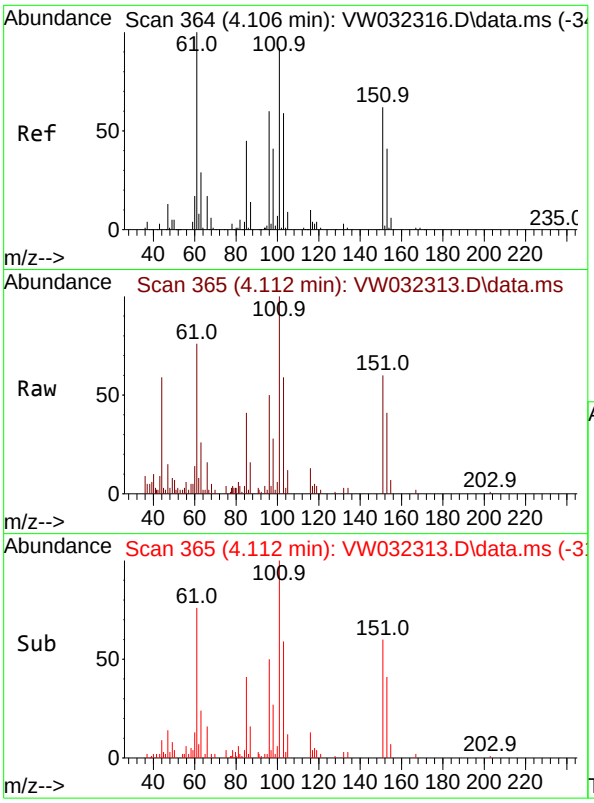


#8
Diethyl Ether
Concen: 5.183 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 74 Resp: 11070

Ion	Ratio	Lower	Upper
74	100		
45	98.2	43.1	129.4

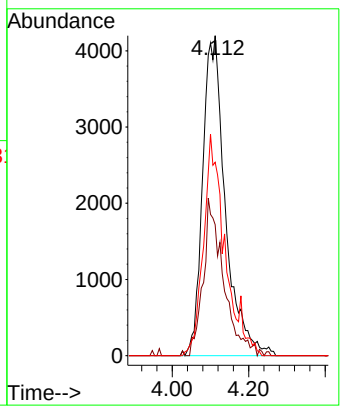




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.865 ug/l
RT: 4.112 min Scan# 3
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:101 Resp: 1733

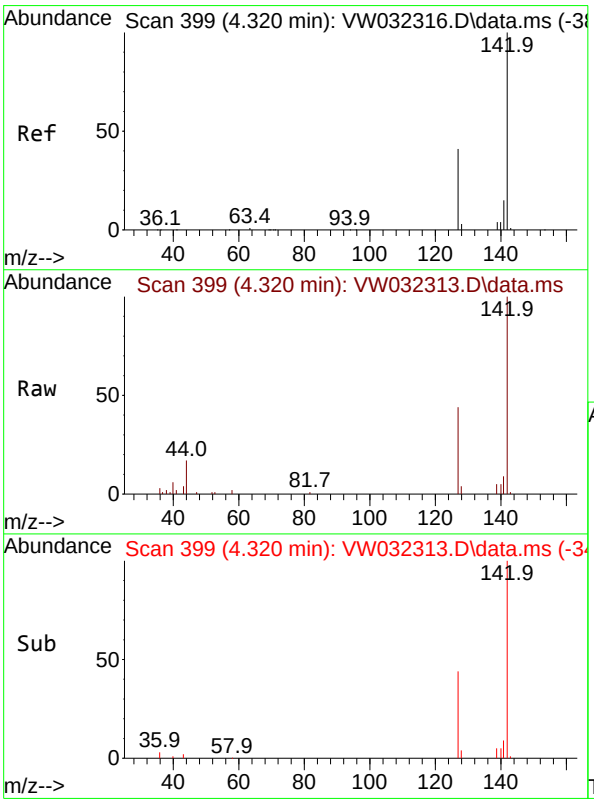
Ion	Ratio	Lower	Upper
101	100		
85	44.1	37.1	55.7
151	60.6	61.5	92.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

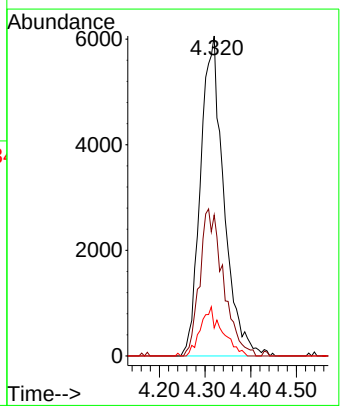
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

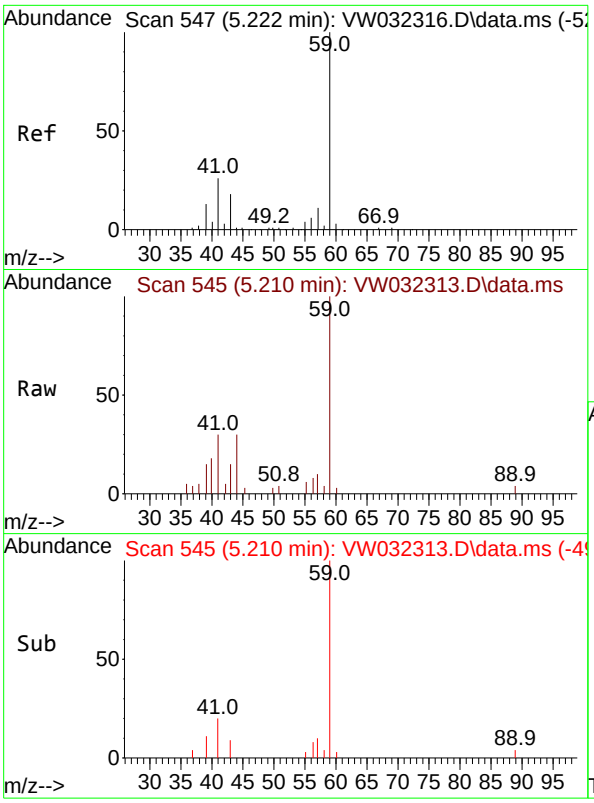


#10
Methyl Iodide
Concen: 5.084 ug/l
RT: 4.320 min Scan# 399
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:142 Resp: 21442

Ion	Ratio	Lower	Upper
142	100		
127	46.5	38.2	57.2
141	14.2	12.2	18.2

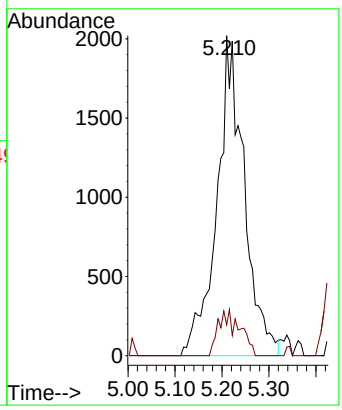




#11
Tert butyl alcohol
Concen: 25.972 ug/l
RT: 5.210 min Scan# 54
Delta R.T. -0.012 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 59 Resp: 816

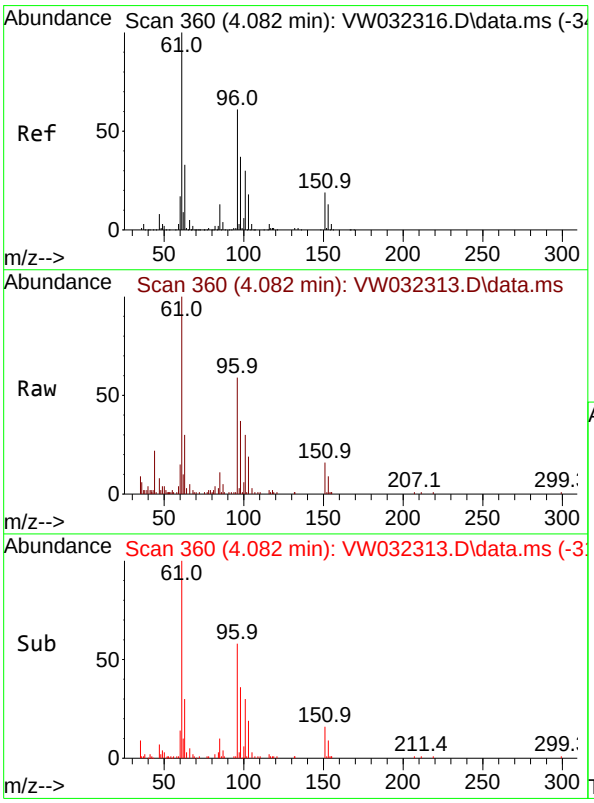
Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.8	14.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

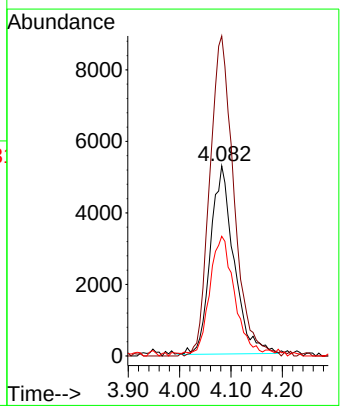
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

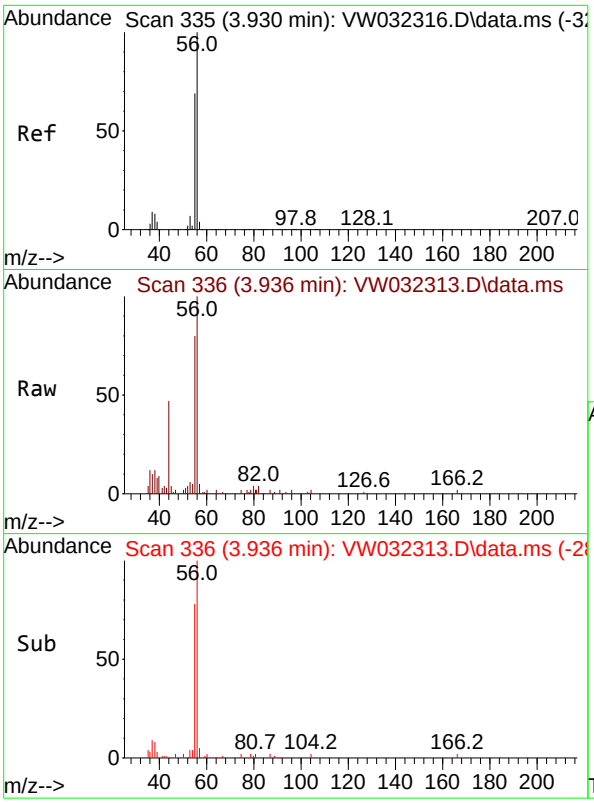


#12
1,1-Dichloroethene
Concen: 5.218 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 96 Resp: 16745

Ion	Ratio	Lower	Upper
96	100		
61	170.5	123.0	184.4
98	62.3	48.5	72.7

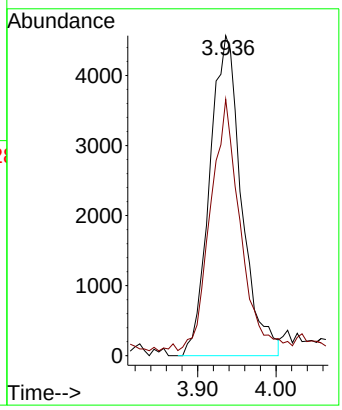




#13
Acrolein
Concen: 25.344 ug/l
RT: 3.936 min Scan# 3
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 56 Resp: 1293

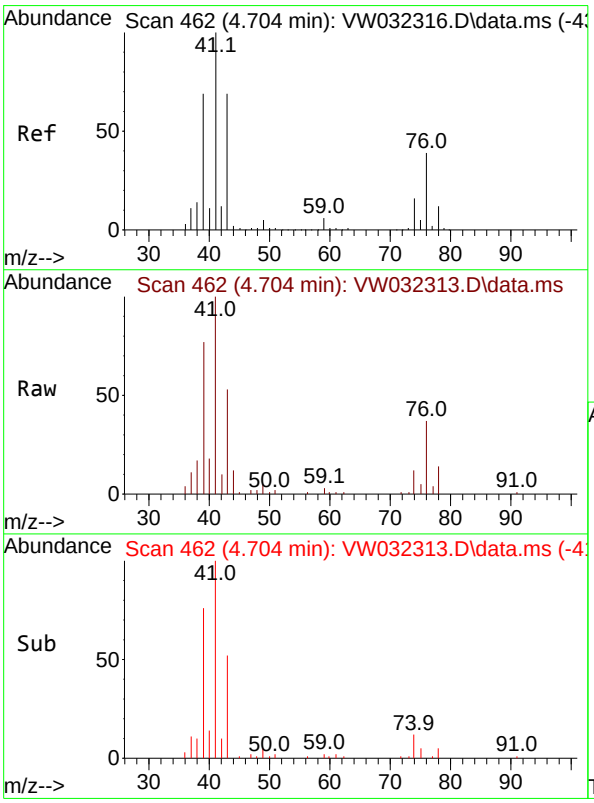
Ion	Ratio	Lower	Upper
56	100		
55	73.0	56.4	84.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

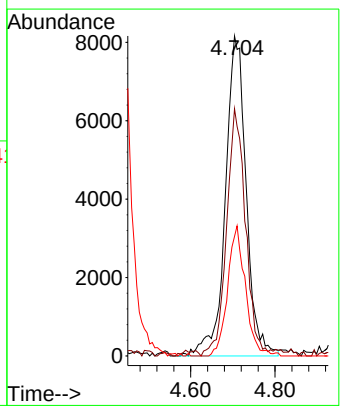
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

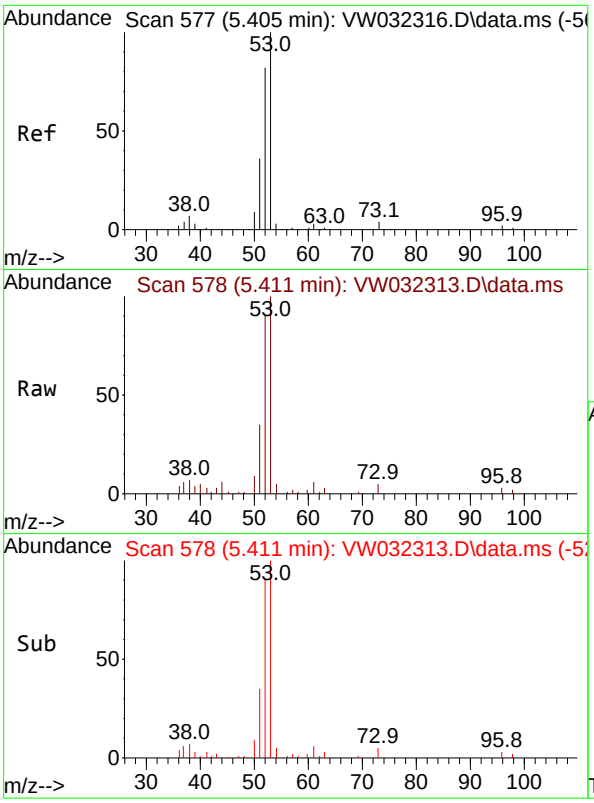


#14
Allyl chloride
Concen: 5.163 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 41 Resp: 27986

Ion	Ratio	Lower	Upper
41	100		
39	70.3	64.1	96.1
76	34.7	31.4	47.2

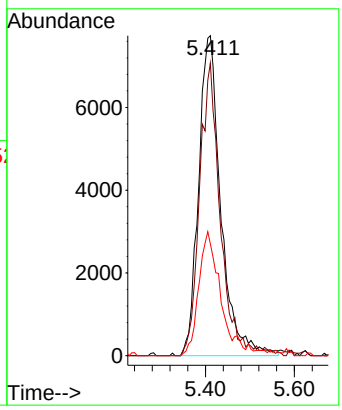




#15
Acrylonitrile
Concen: 24.226 ug/l
RT: 5.411 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 53 Resp: 2691

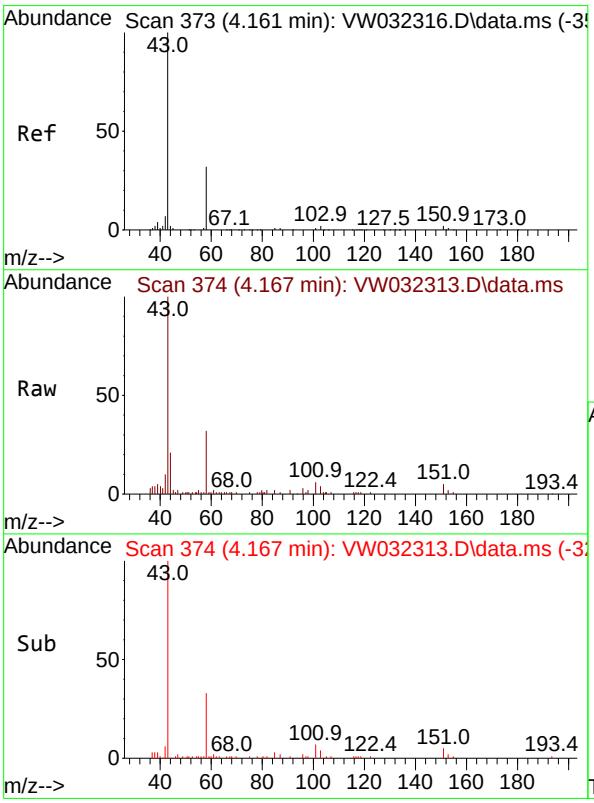
Ion	Ratio	Lower	Upper
53	100		
52	84.6	67.4	101.2
51	35.2	30.3	45.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

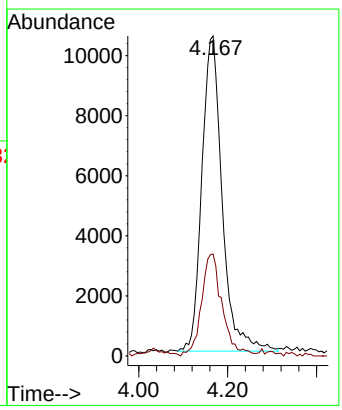
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

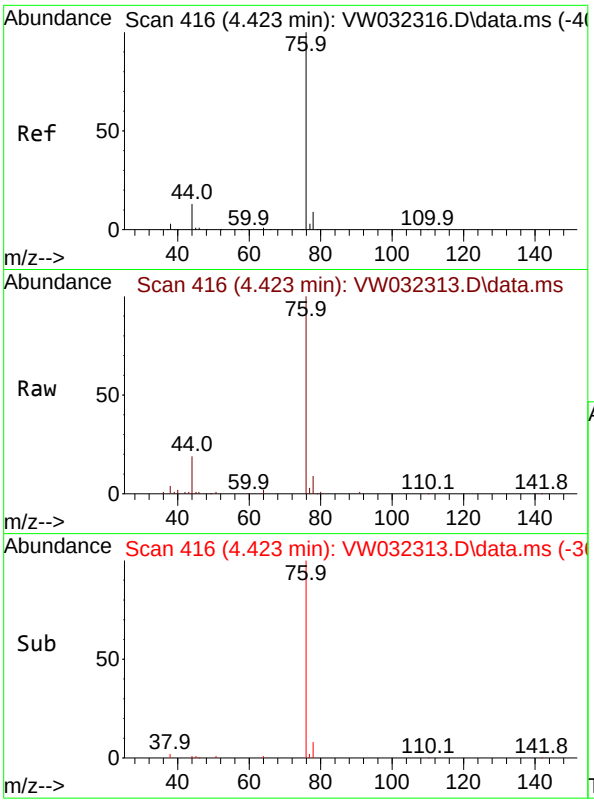


#16
Acetone
Concen: 29.049 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 43 Resp: 33407

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.3	37.9





#17
Carbon Disulfide
Concen: 5.143 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

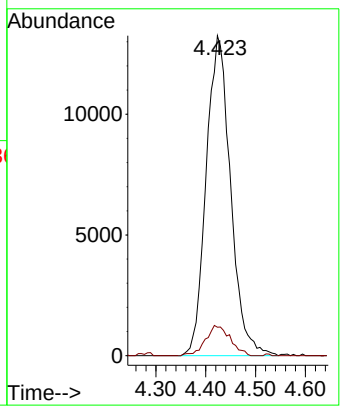
Tgt Ion: 76 Resp: 4503

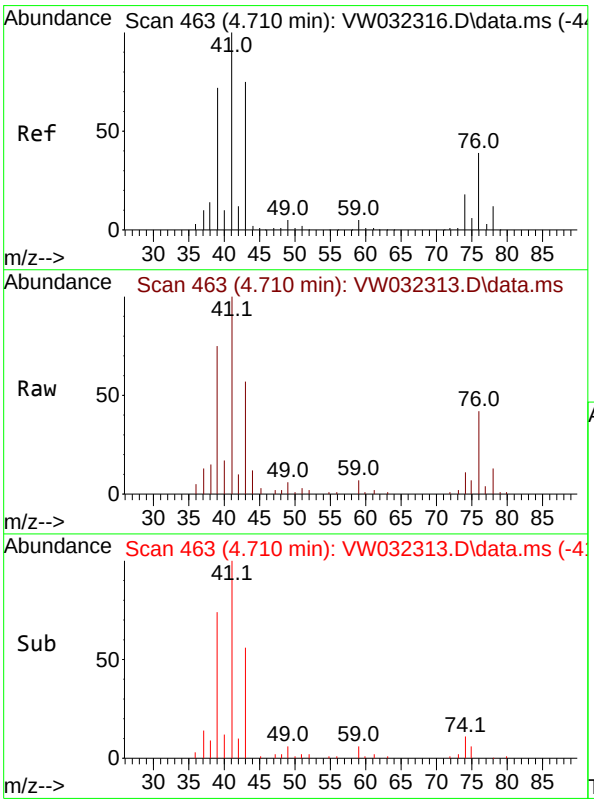
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

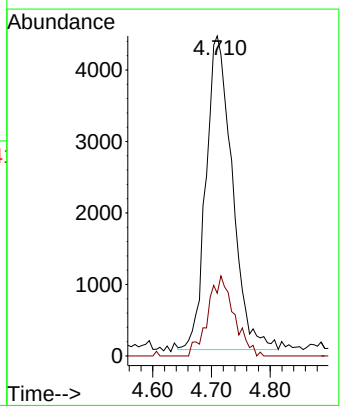


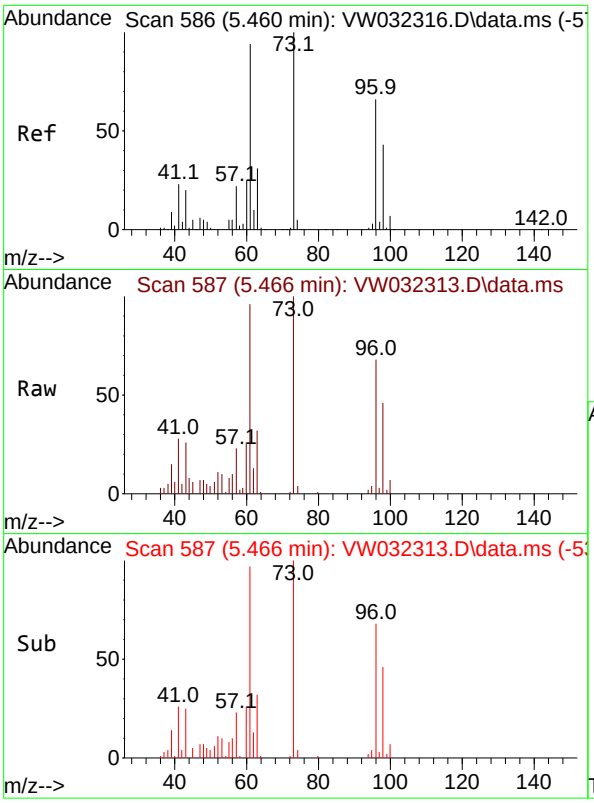


#18
Methyl Acetate
Concen: 4.134 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 43 Resp: 13618

Ion	Ratio	Lower	Upper
43	100		
74	25.4	20.2	30.4

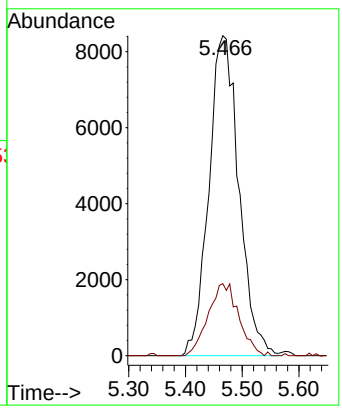




#19
Methyl tert-butyl Ether
Concen: 4.897 ug/l
RT: 5.466 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 73 Resp: 3095

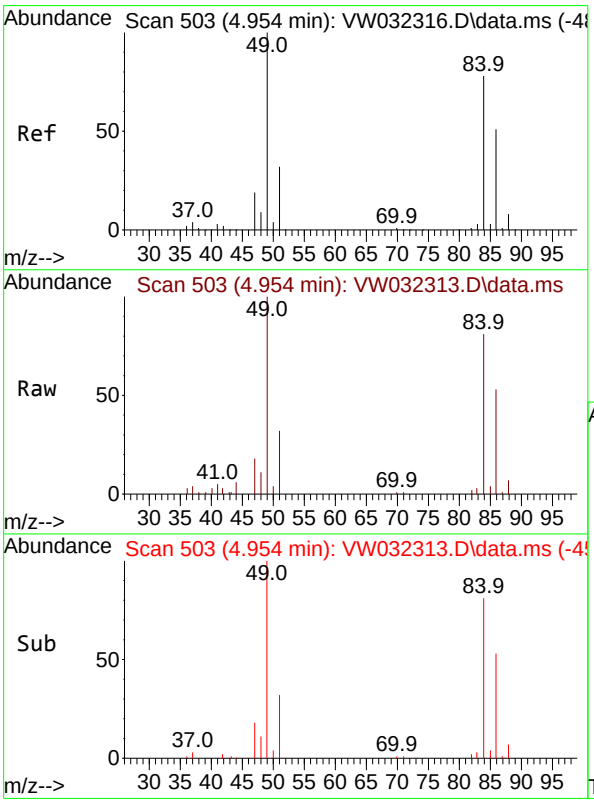
Ion	Ratio	Lower	Upper
73	100		
57	22.5	16.2	24.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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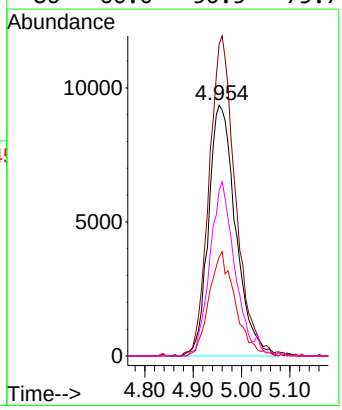
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

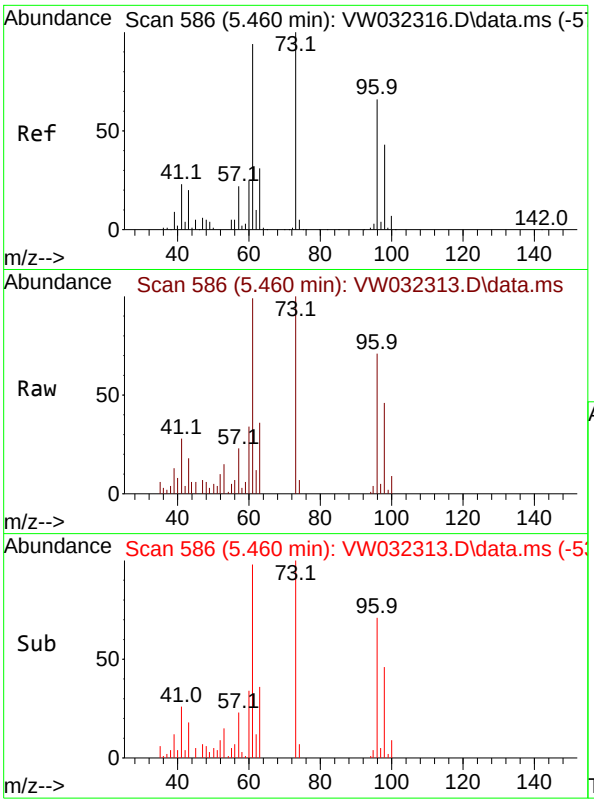


#20
Methylene Chloride
Concen: 4.732 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 84 Resp: 36441

Ion	Ratio	Lower	Upper
84	100		
49	124.2	92.2	138.4
51	39.5	31.0	46.6
86	66.0	50.5	75.7

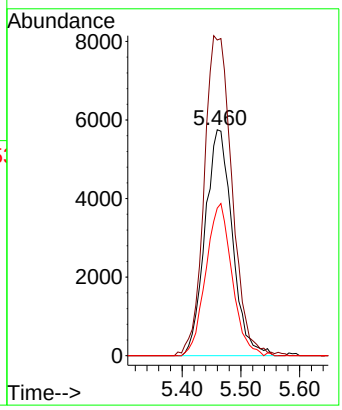




#21
trans-1,2-Dichloroethene
Concen: 5.203 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 96 Resp: 1848

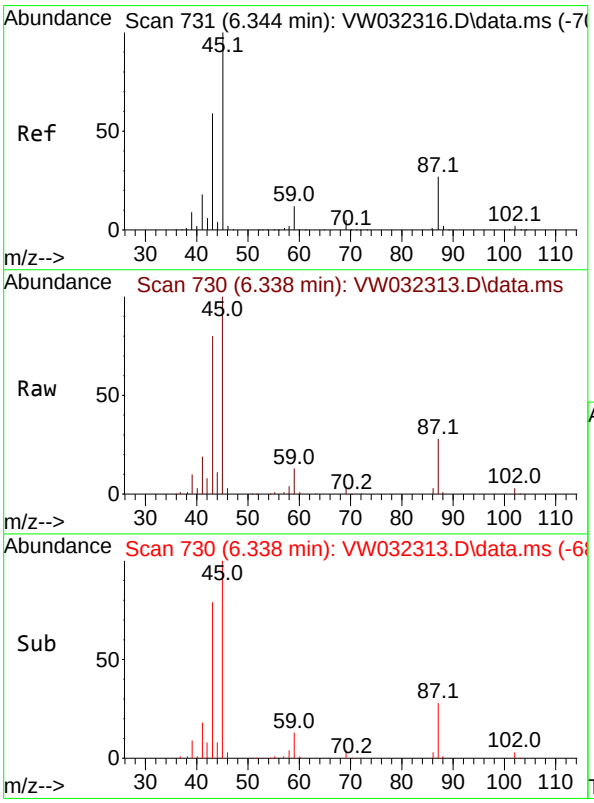
Ion	Ratio	Lower	Upper
96	100		
61	138.3	112.5	168.7
98	65.3	54.2	81.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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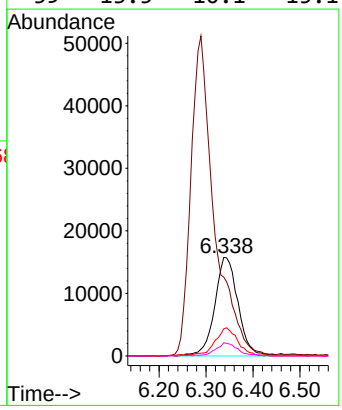
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

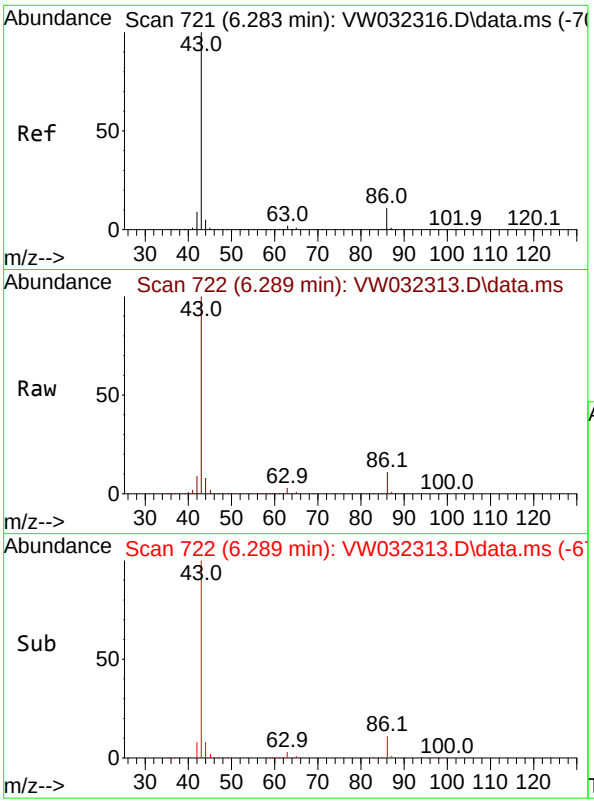


#22
Diisopropyl ether
Concen: 4.799 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 45 Resp: 54095

Ion	Ratio	Lower	Upper
45	100		
43	78.3	51.4	77.2#
87	27.7	25.9	38.9
59	13.5	10.1	15.1





#23
Vinyl Acetate
Concen: 23.579 ug/l
RT: 6.289 min Scan# 7
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

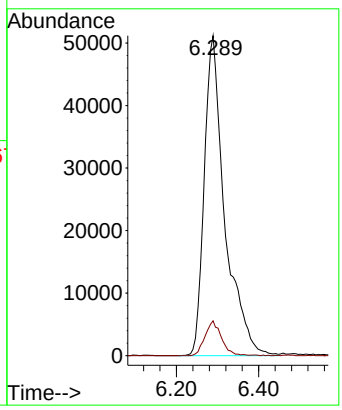
Tgt Ion: 43 Resp: 17754

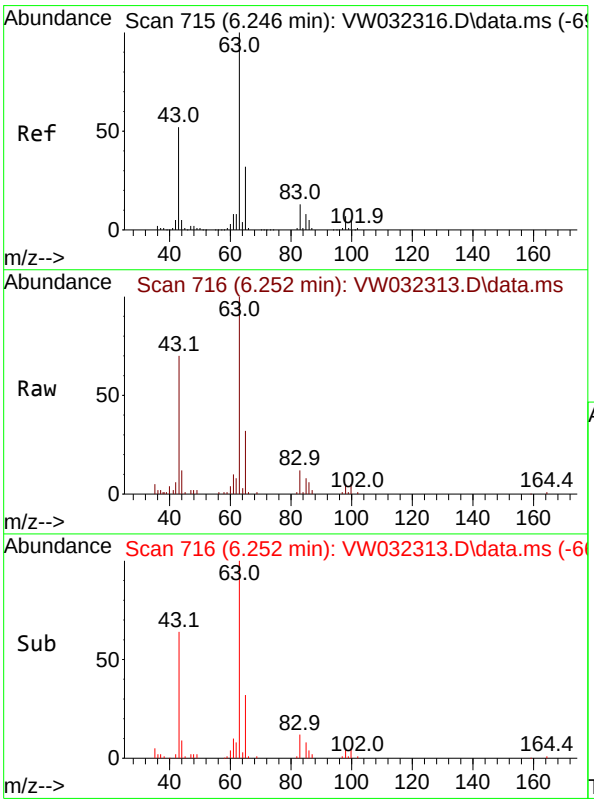
Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.8	13.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

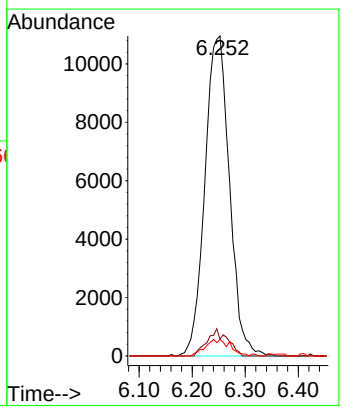


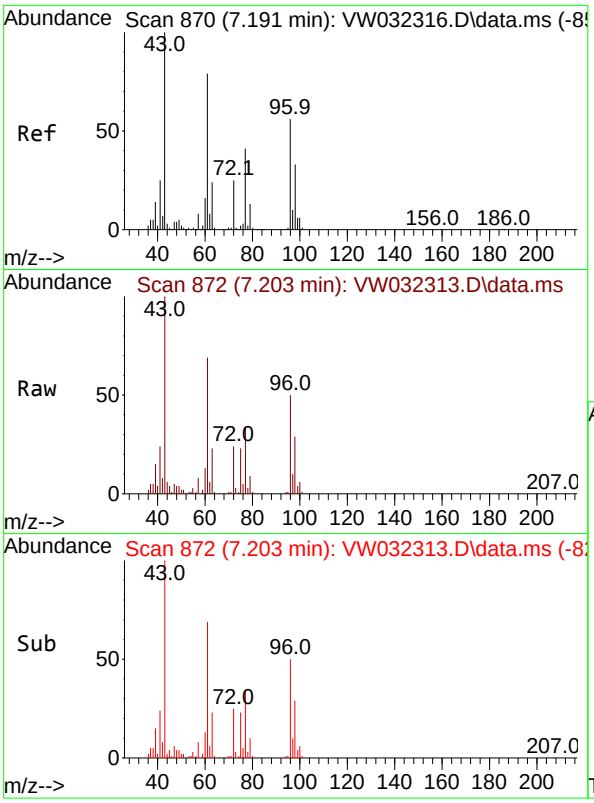


#24
1,1-Dichloroethane
Concen: 5.149 ug/l
RT: 6.252 min Scan# 716
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 63 Resp: 35264

Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.8	11.2
100	5.1	2.5	7.5





#25
2-Butanone
Concen: 24.612 ug/l
RT: 7.203 min Scan# 8
Delta R.T. 0.012 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

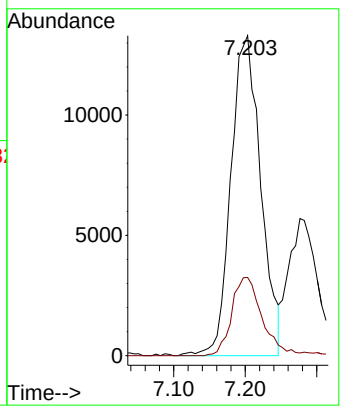
Tgt Ion: 43 Resp: 3854

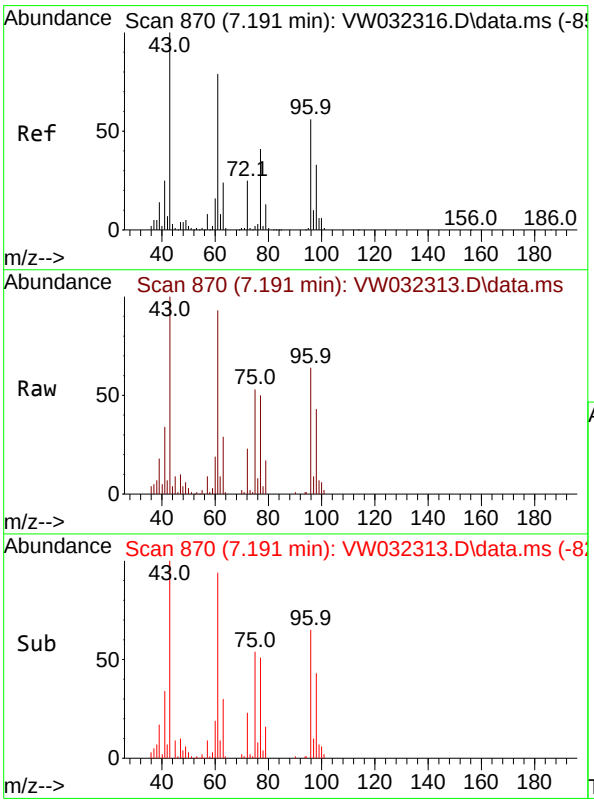
Ion	Ratio	Lower	Upper
43	100		
72	24.5	21.4	32.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

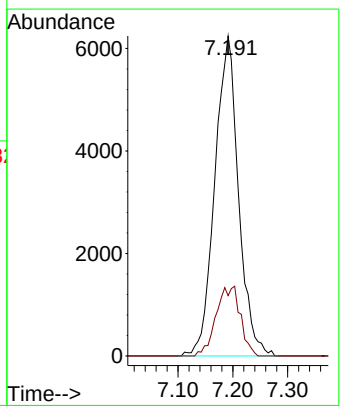


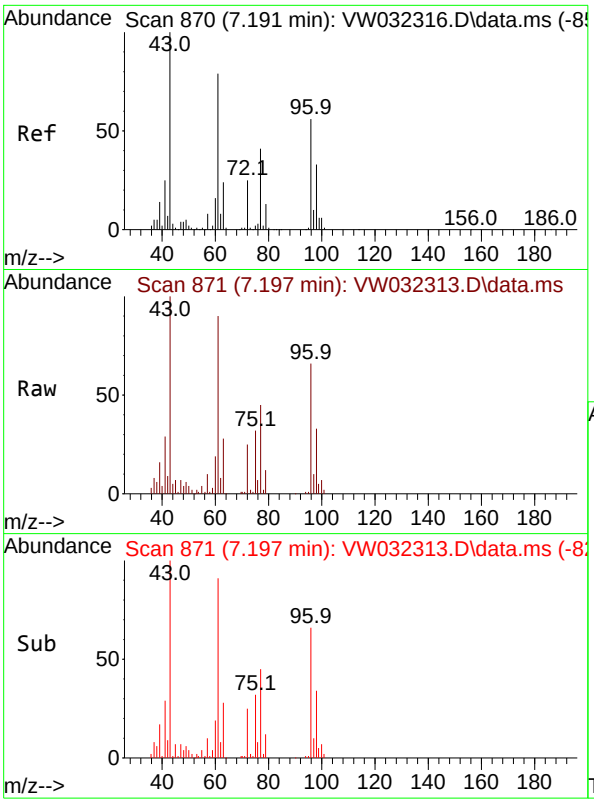


#26
2,2-Dichloropropane
Concen: 5.352 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 77 Resp: 18751

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.9	35.5

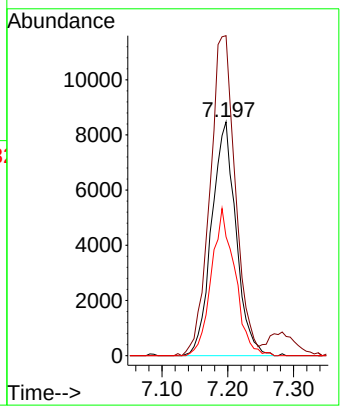




#27
cis-1,2-Dichloroethene
Concen: 5.120 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 96 Resp: 2185

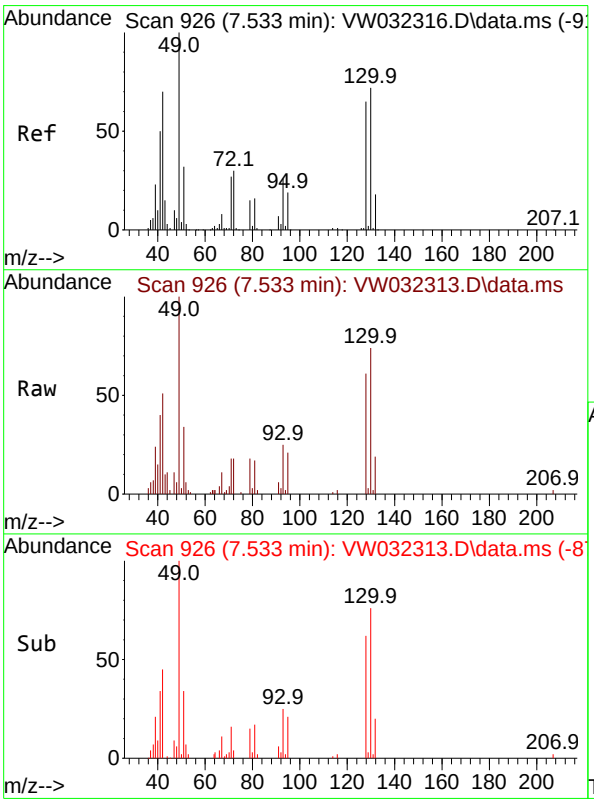
Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	268.0
98	60.8	0.0	130.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

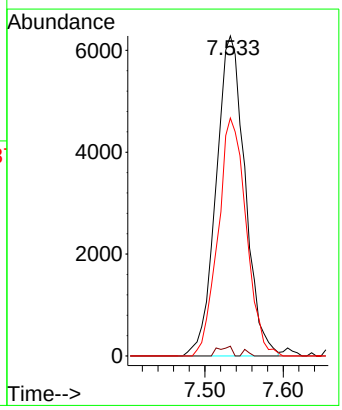
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

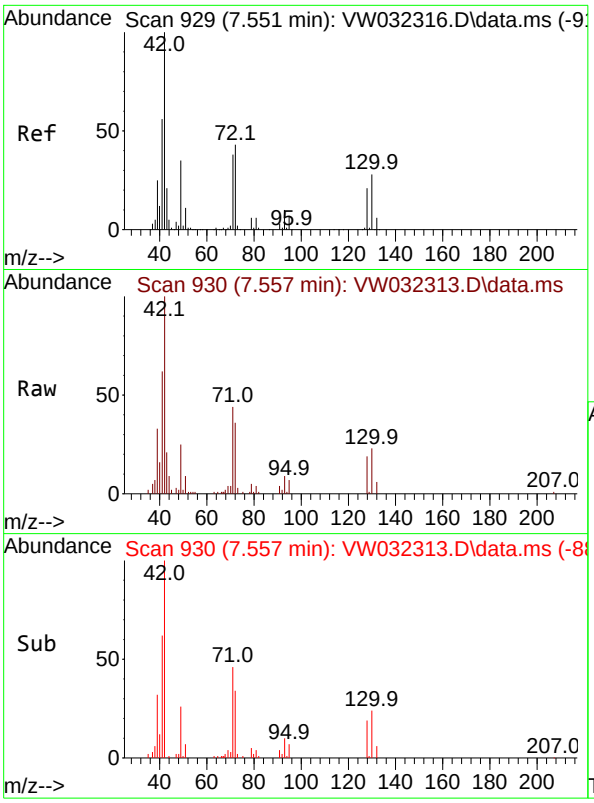


#28
Bromochloromethane
Concen: 5.005 ug/l
RT: 7.533 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 49 Resp: 16126

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.2
130	72.4	67.5	101.3

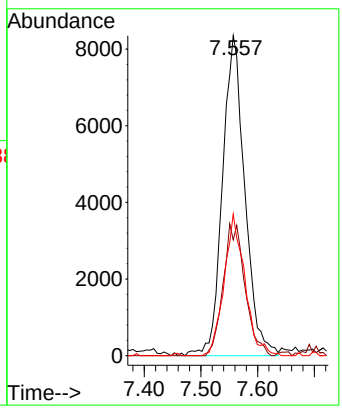




#29
Tetrahydrofuran
Concen: 23.204 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 42 Resp: 2285

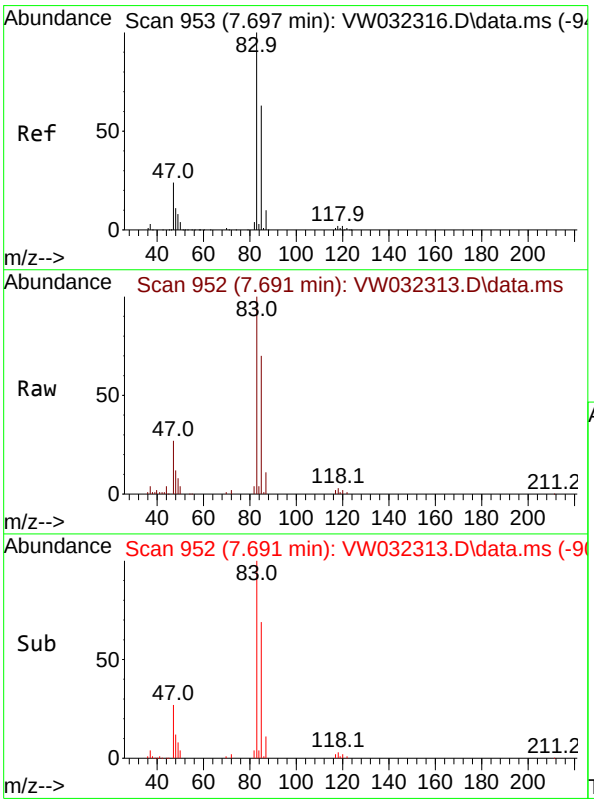
Ion	Ratio	Lower	Upper
42	100		
72	40.3	37.4	56.2
71	41.0	36.0	54.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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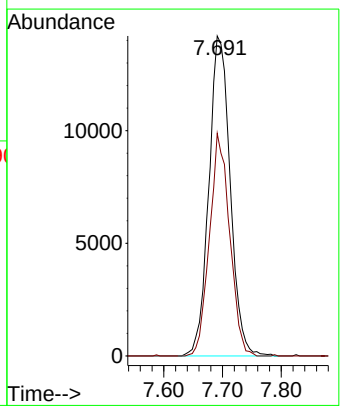
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

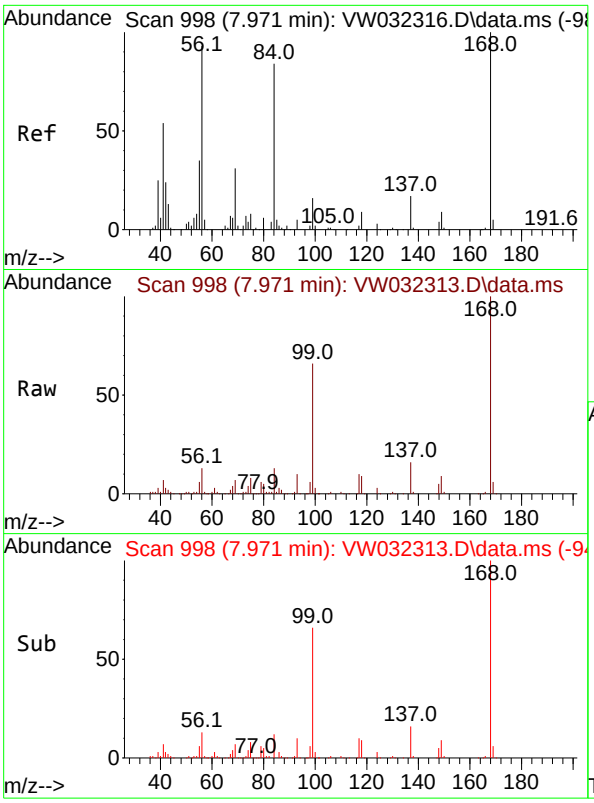


#30
Chloroform
Concen: 5.154 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 83 Resp: 35798

Ion	Ratio	Lower	Upper
83	100		
85	69.5	51.2	76.8





#31
Cyclohexane
Concen: 5.983 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

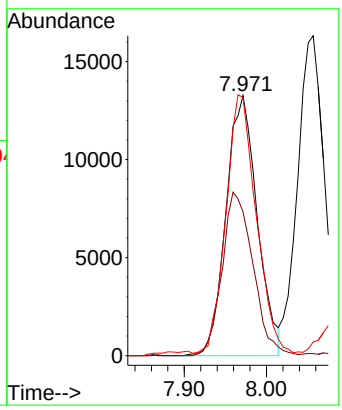
Tgt Ion: 56 Resp: 3498

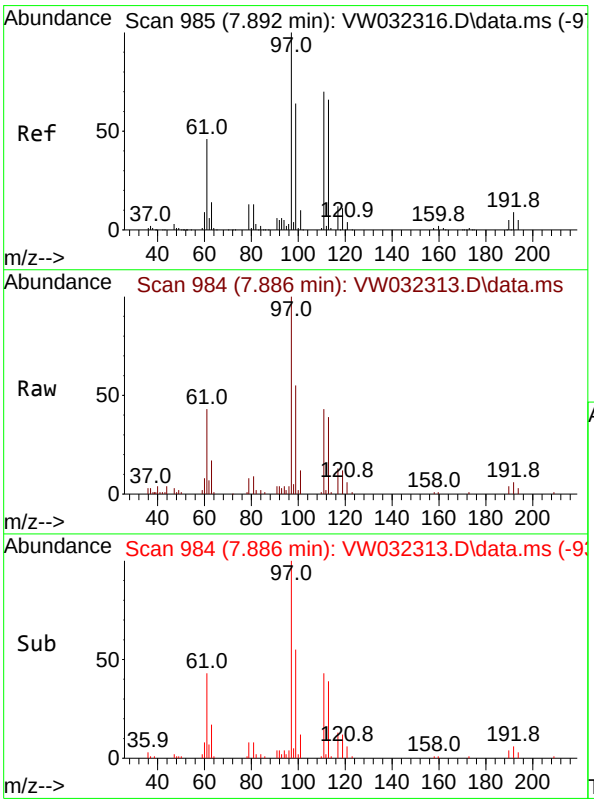
Ion	Ratio	Lower	Upper
56	100		
69	55.3	27.7	41.5
84	98.1	74.6	112.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

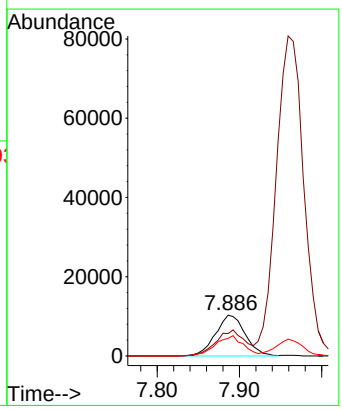


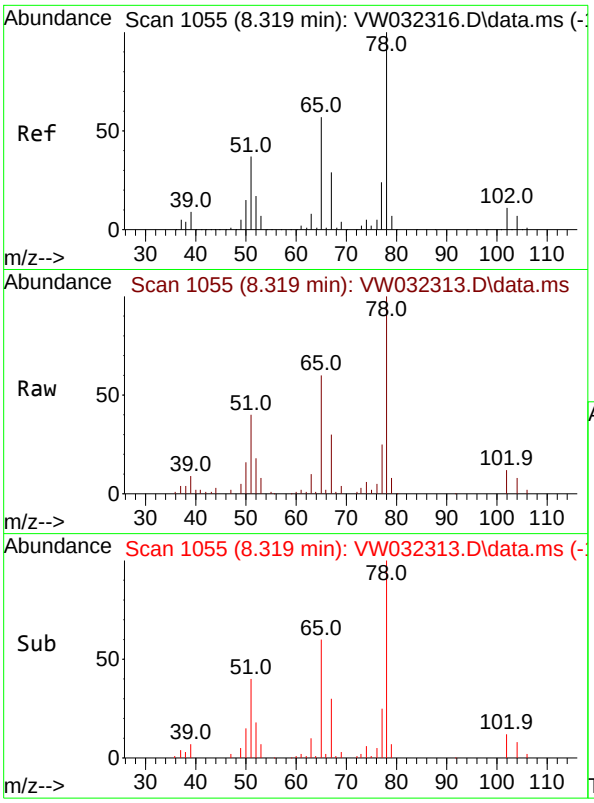


#32
1,1,1-Trichloroethane
Concen: 5.244 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 97 Resp: 25812

Ion	Ratio	Lower	Upper
97	100		
99	61.9	50.9	76.3
61	46.5	36.2	54.4

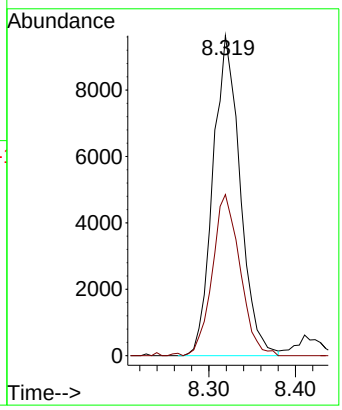




#33
1,2-Dichloroethane-d4
Concen: 5.059 ug/l
RT: 8.319 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 65 Resp: 2101(

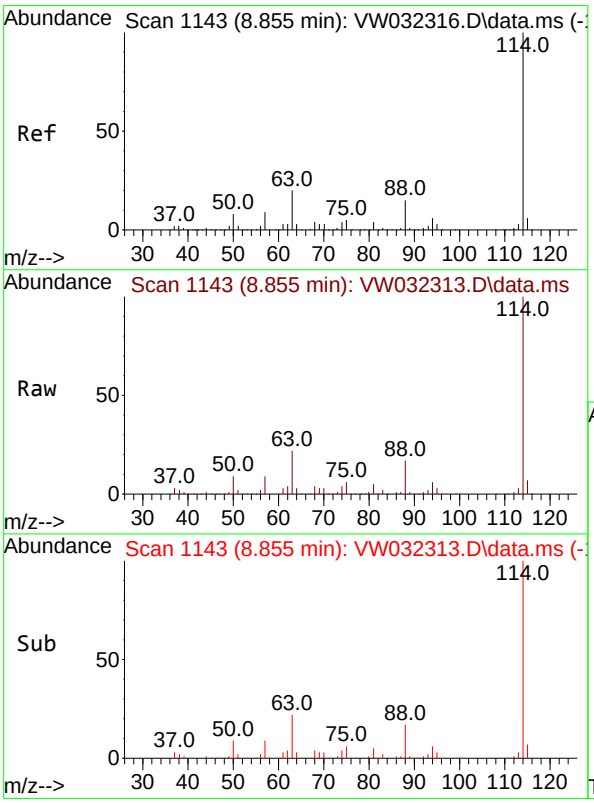
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	99.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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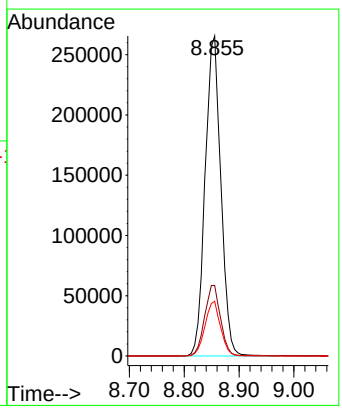
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

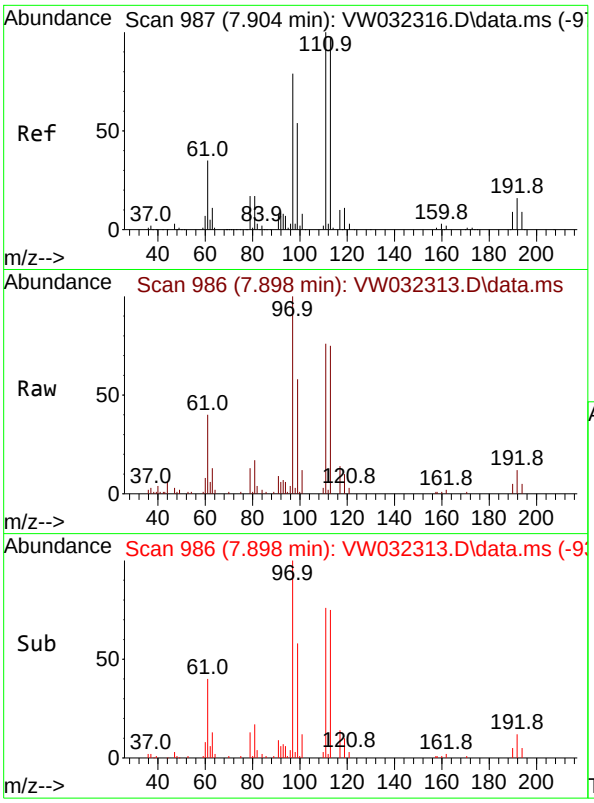


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:114 Resp: 526707

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	40.4
88	17.1	0.0	32.0





#35
Dibromofluoromethane
Concen: 5.118 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

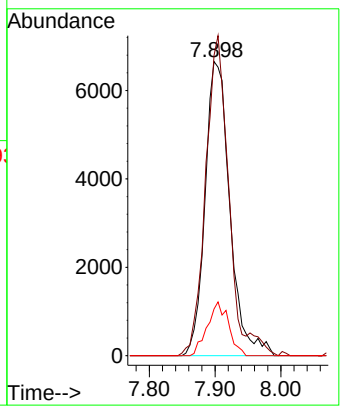
Tgt Ion:113 Resp: 1745

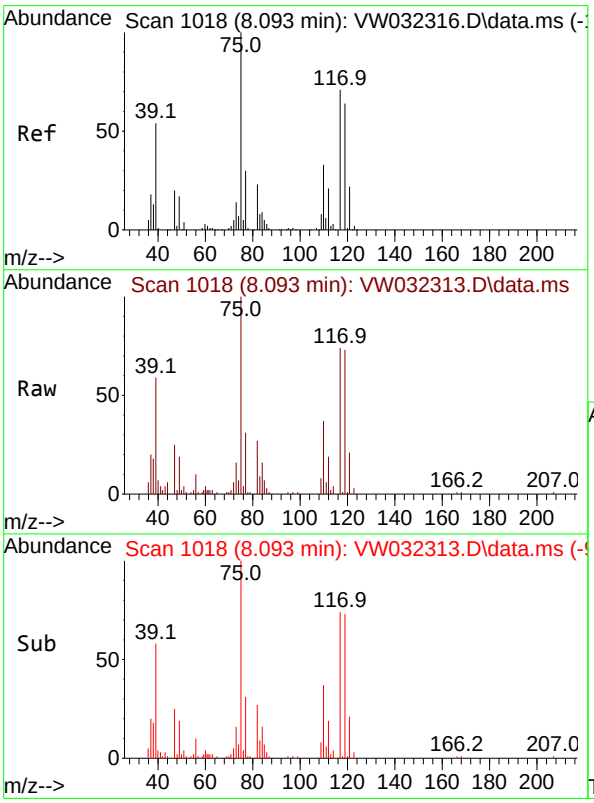
Ion	Ratio	Lower	Upper
113	100		
111	97.8	83.9	125.9
192	15.7	14.6	21.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

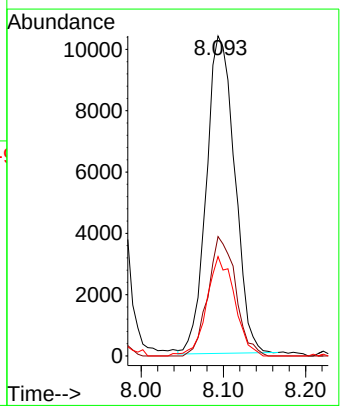


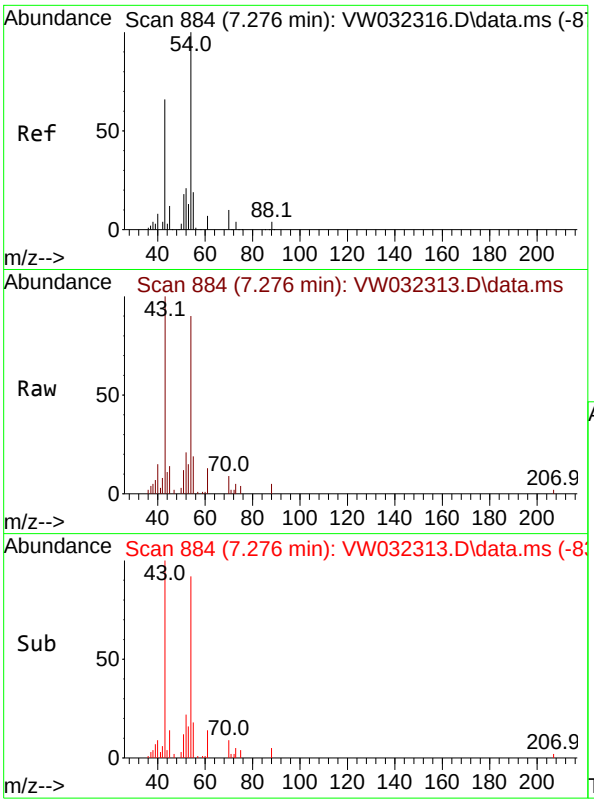


#36
1,1-Dichloropropene
Concen: 5.155 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 75 Resp: 24817

Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.5	52.5
77	31.0	24.1	36.1





#37
Ethyl Acetate
Concen: 4.972 ug/l
RT: 7.276 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

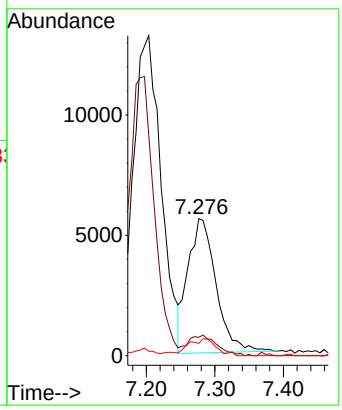
Tgt Ion: 43 Resp: 1593

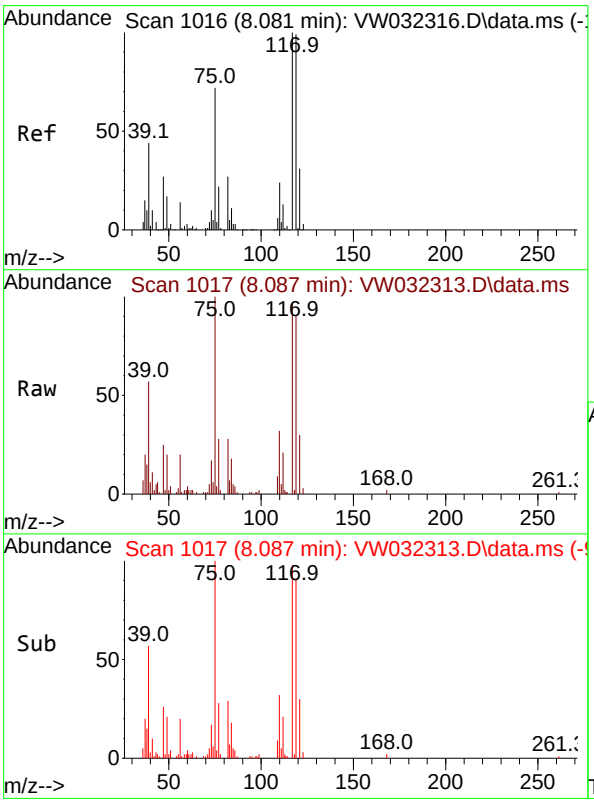
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.3	16.9
70	13.3	8.9	13.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

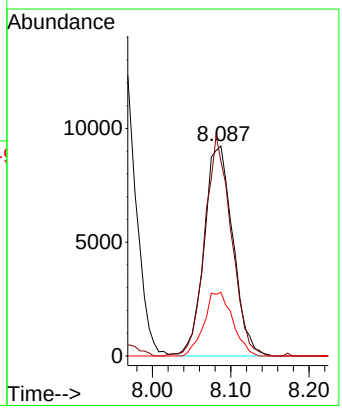


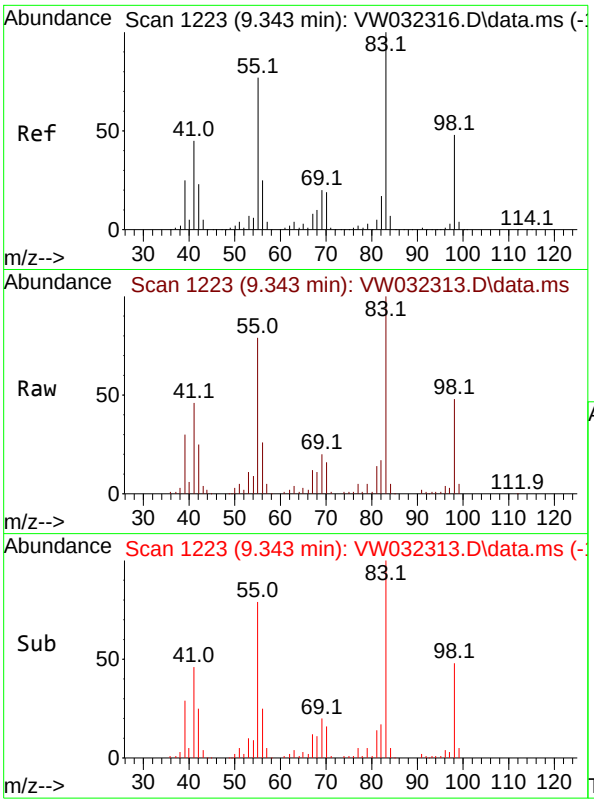


#38
Carbon Tetrachloride
Concen: 5.188 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:117 Resp: 23500

Ion	Ratio	Lower	Upper
117	100		
119	92.7	74.2	111.2
121	30.4	25.6	38.4





#39
Methylcyclohexane
Concen: 5.307 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

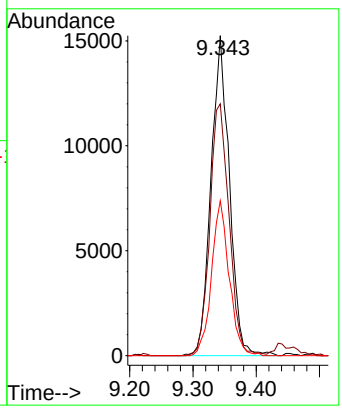
Tgt Ion: 83 Resp: 3081

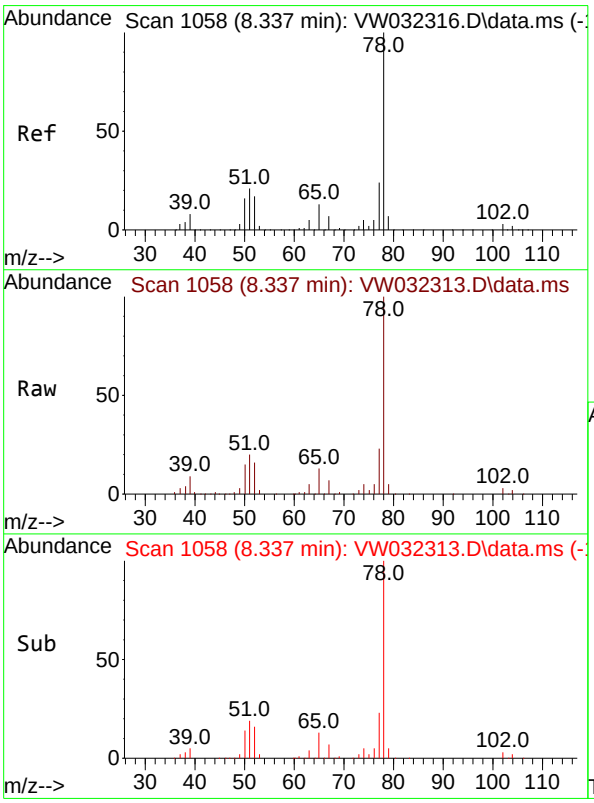
Ion	Ratio	Lower	Upper
83	100		
55	78.7	58.4	87.6
98	48.4	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

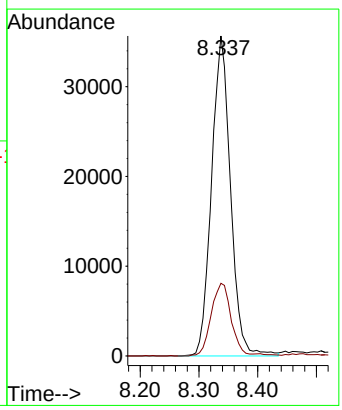


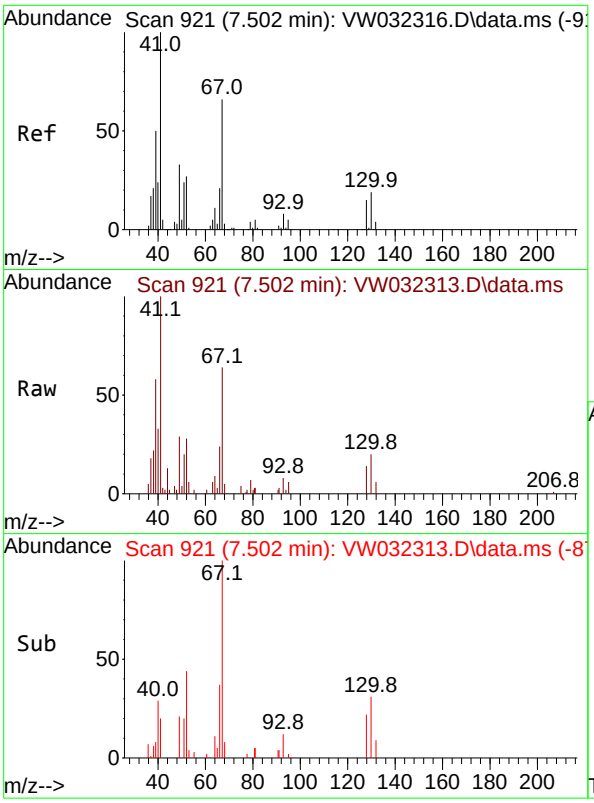


#40
Benzene
Concen: 5.297 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 78 Resp: 79933

Ion	Ratio	Lower	Upper
78	100		
77	22.7	20.7	31.1

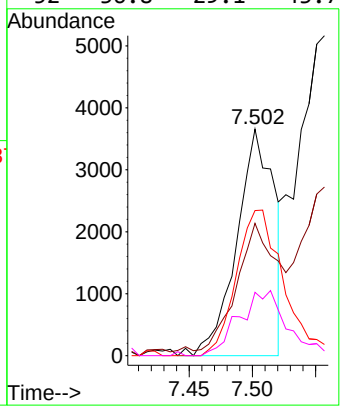




#41
Methacrylonitrile
Concen: 4.364 ug/l
RT: 7.502 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 41 Resp: 753

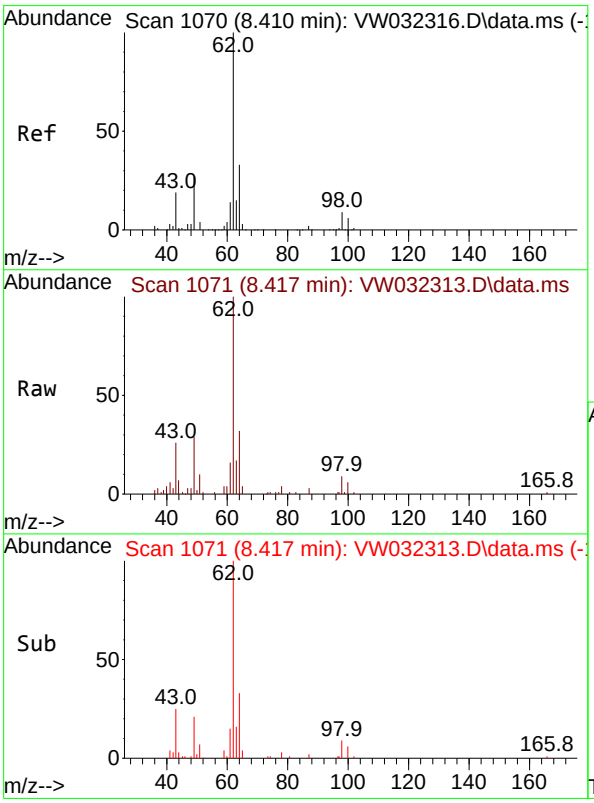
Ion	Ratio	Lower	Upper
41	100		
39	61.4	50.9	76.3
67	82.6	65.6	98.4
52	36.8	29.1	43.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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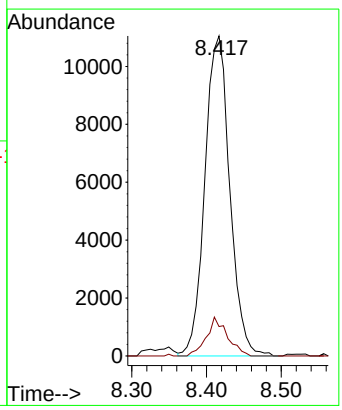
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

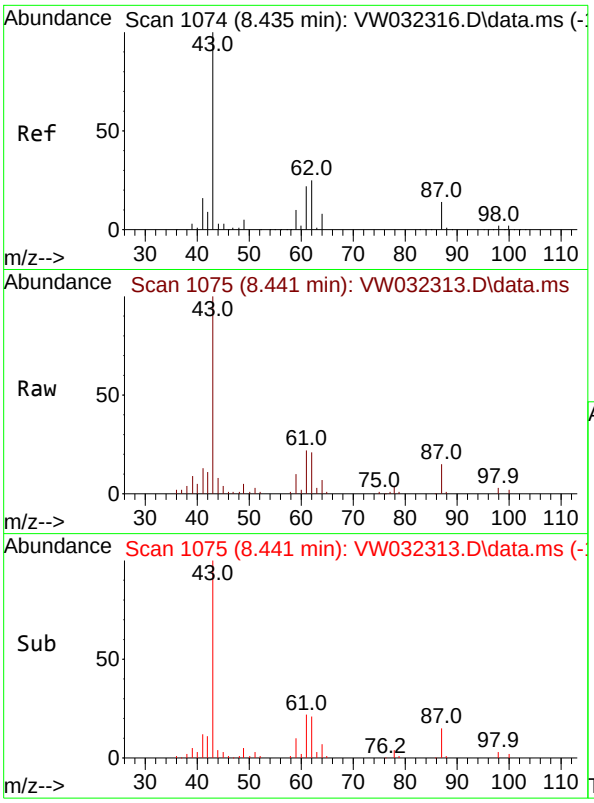


#42
1,2-Dichloroethane
Concen: 5.192 ug/l
RT: 8.417 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 62 Resp: 25632

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	18.0

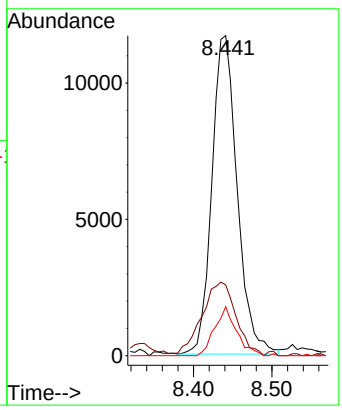




#43
Isopropyl Acetate
Concen: 4.618 ug/l
RT: 8.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 43 Resp: 2624

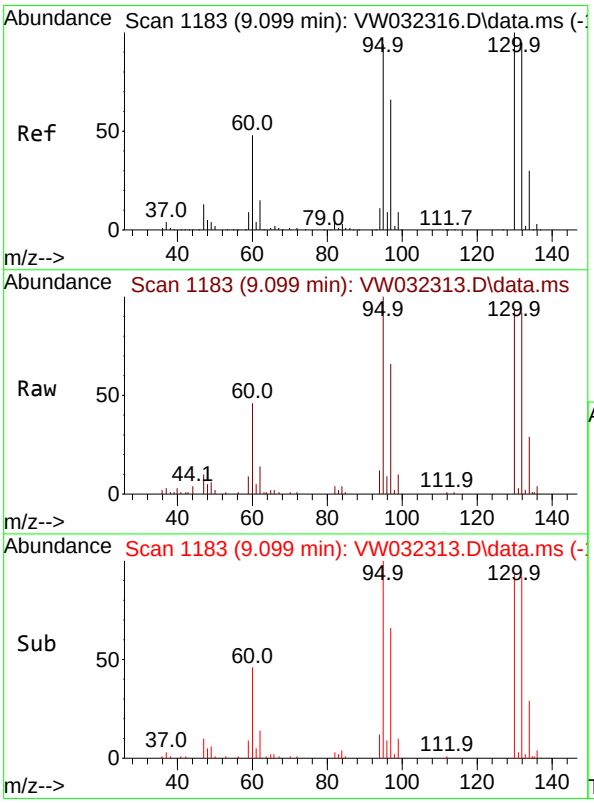
Ion	Ratio	Lower	Upper
43	100		
61	31.2	23.3	34.9
87	13.2	11.1	16.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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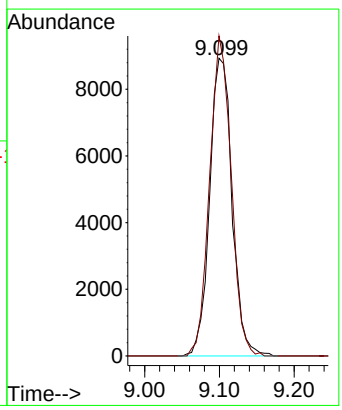
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

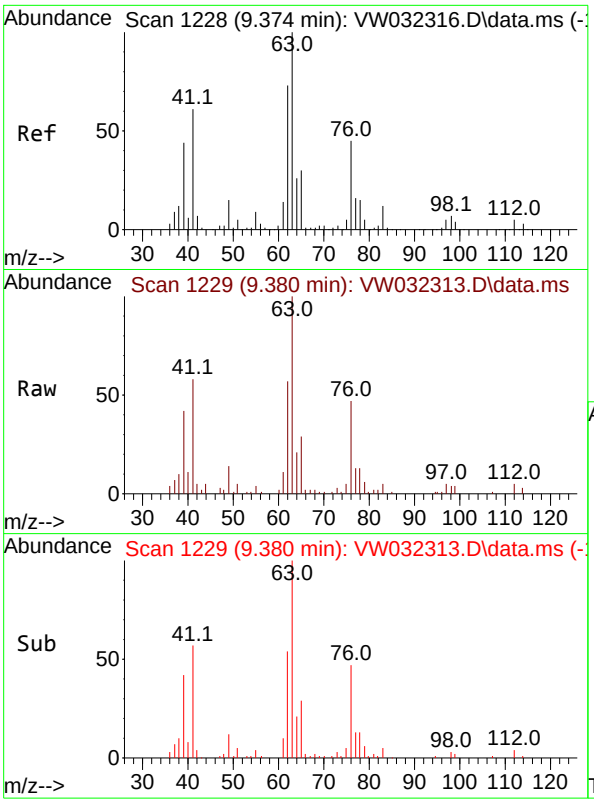


#44
Trichloroethene
Concen: 5.277 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:130 Resp: 18643

Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	220.0

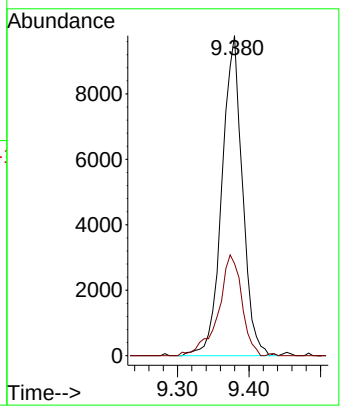




#45
1,2-Dichloropropane
Concen: 5.171 ug/l
RT: 9.380 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 63 Resp: 1947

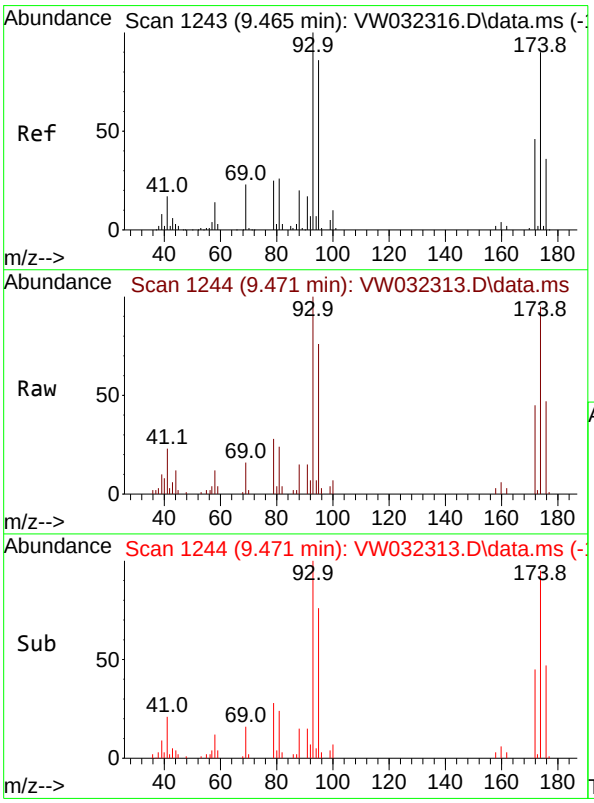
Ion	Ratio	Lower	Upper
63	100		
65	28.7	24.3	36.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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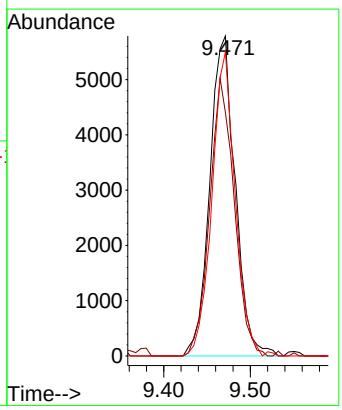
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

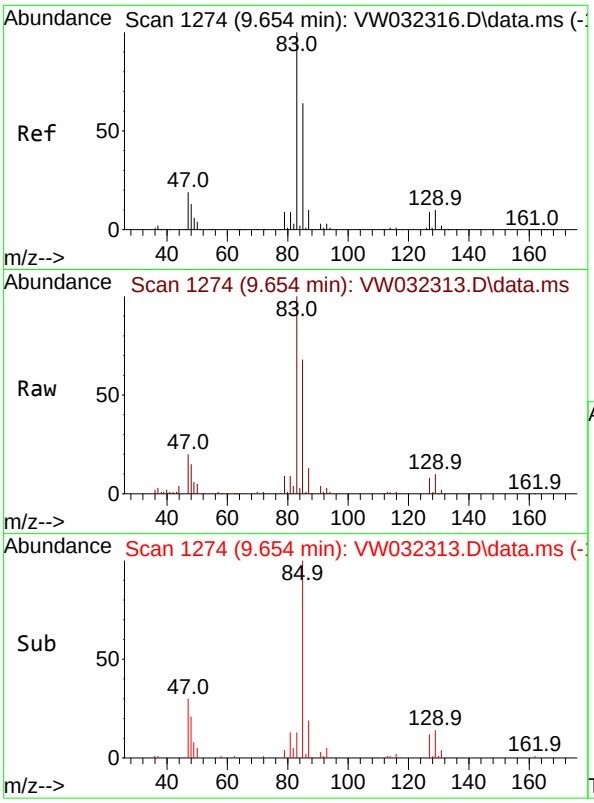


#46
Dibromomethane
Concen: 5.092 ug/l
RT: 9.471 min Scan# 1244
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 93 Resp: 11793

Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.4	101.2
174	87.1	75.7	113.5

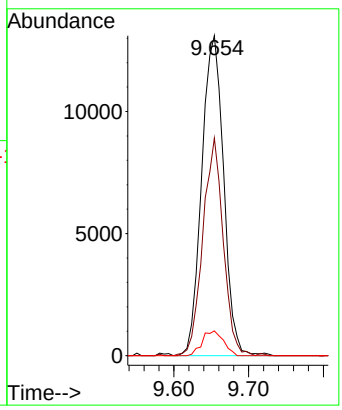




#47
Bromodichloromethane
Concen: 5.039 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 83 Resp: 2669

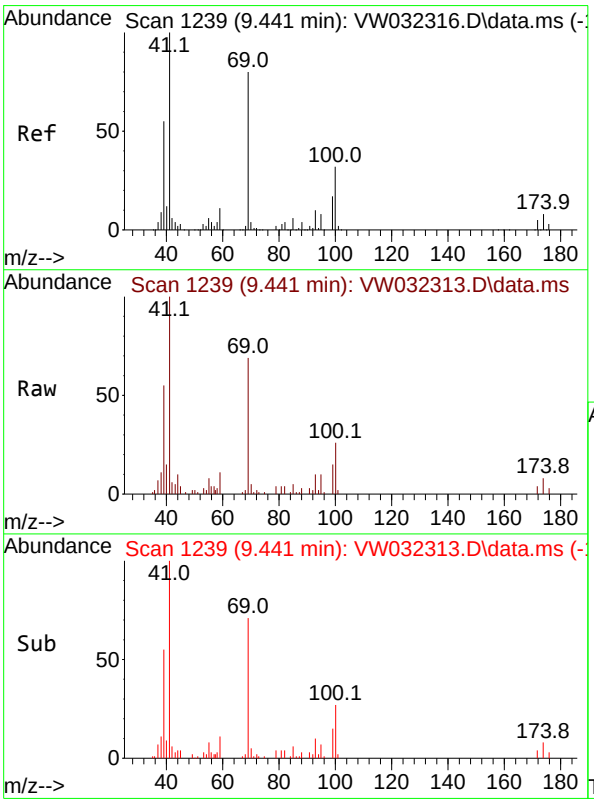
Ion	Ratio	Lower	Upper
83	100		
85	68.0	48.7	73.1
127	7.8	6.4	9.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

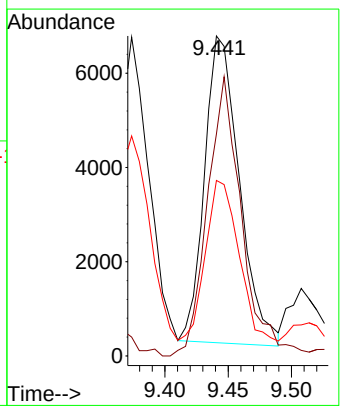
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

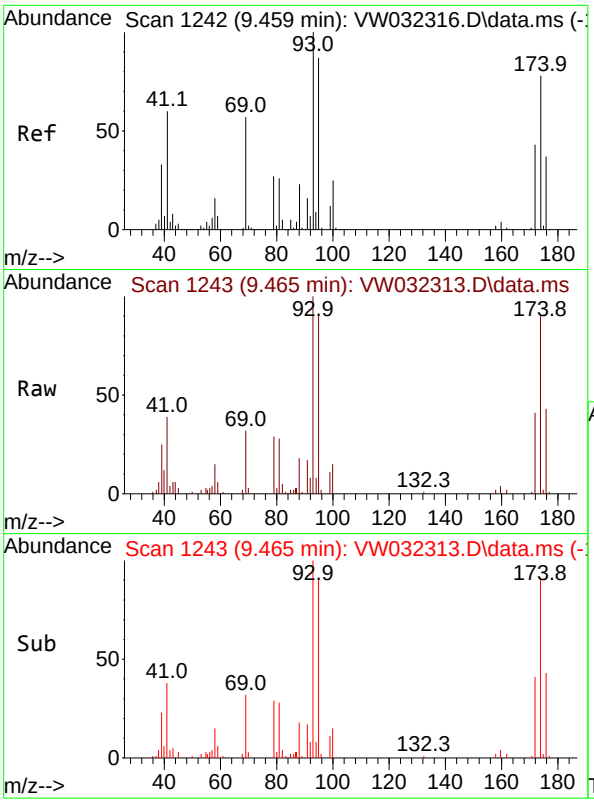


#48
Methyl methacrylate
Concen: 4.512 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 41 Resp: 12470

Ion	Ratio	Lower	Upper
41	100		
69	89.2	71.5	107.3
39	51.0	55.9	83.9#





#49
1,4-Dioxane
Concen: 86.306 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

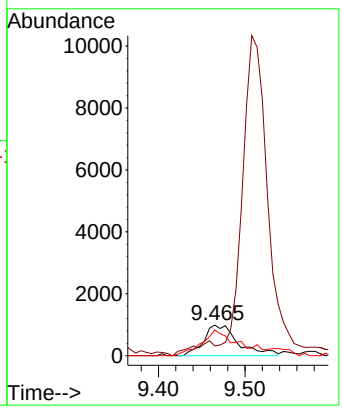
Tgt Ion: 88 Resp: 273

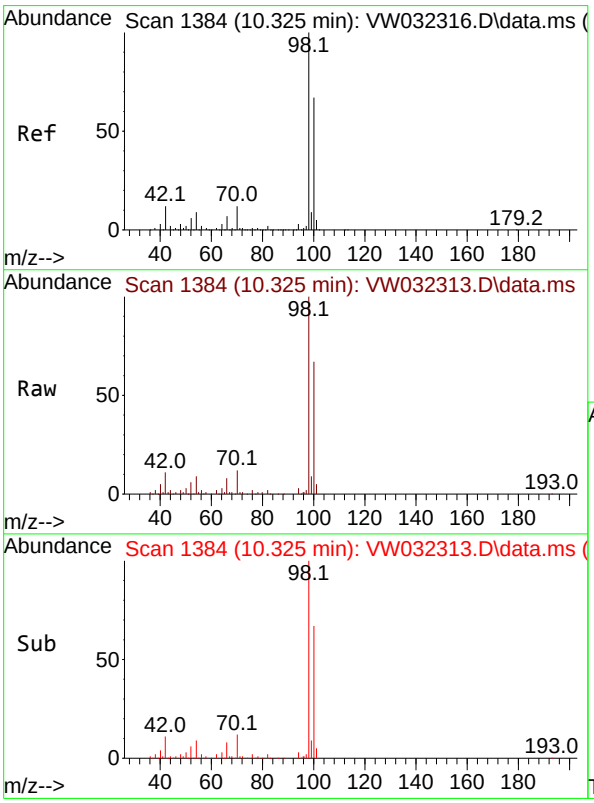
Ion	Ratio	Lower	Upper
88	100		
43	30.9	18.0	27.0#
58	79.9	55.4	83.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

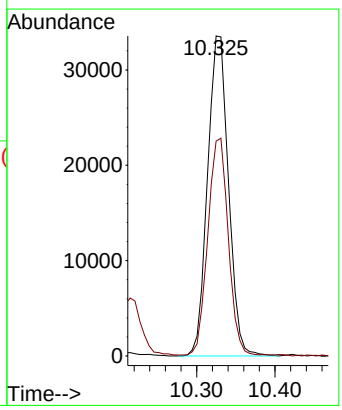


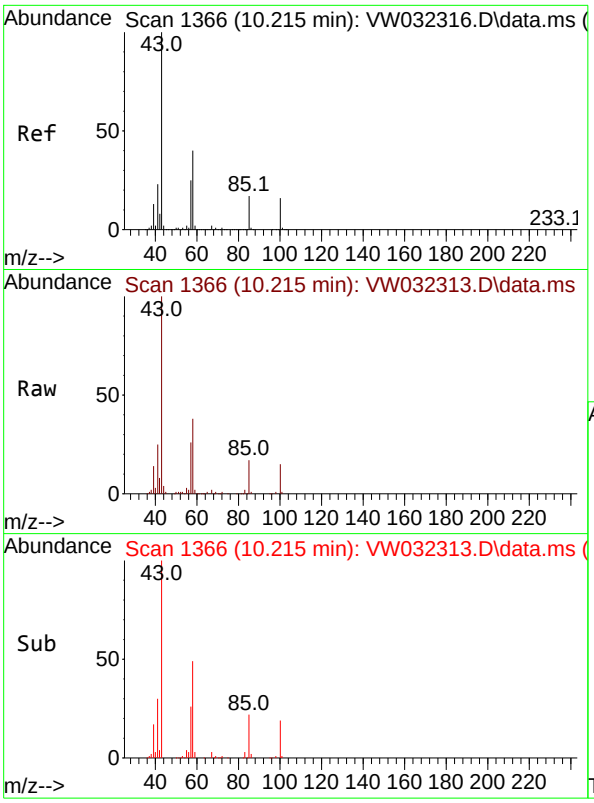


#50
Toluene-d8
Concen: 4.947 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 98 Resp: 62281

Ion	Ratio	Lower	Upper
98	100		
100	66.2	51.4	77.2

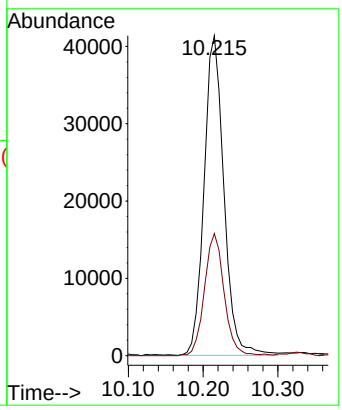




#51
4-Methyl-2-Pentanone
Concen: 23.157 ug/l
RT: 10.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 43 Resp: 7624

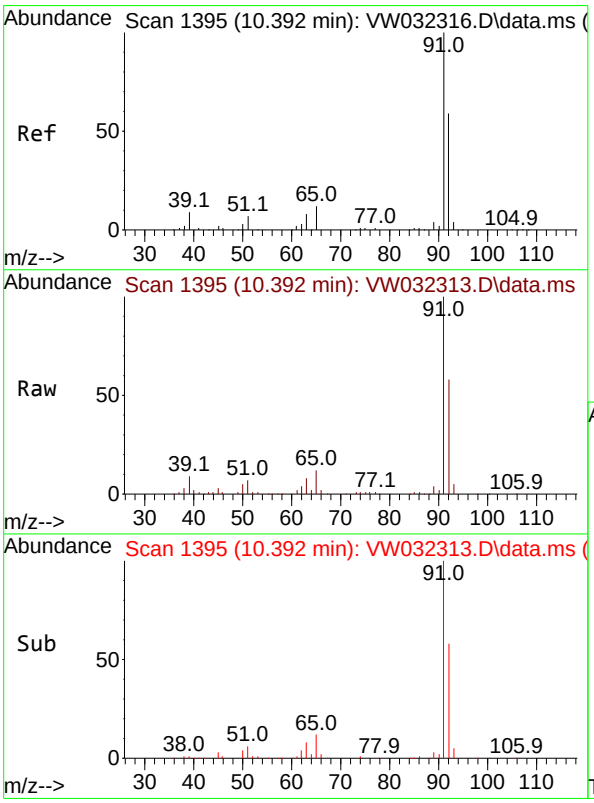
Ion	Ratio	Lower	Upper
43	100		
58	38.0	32.0	48.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

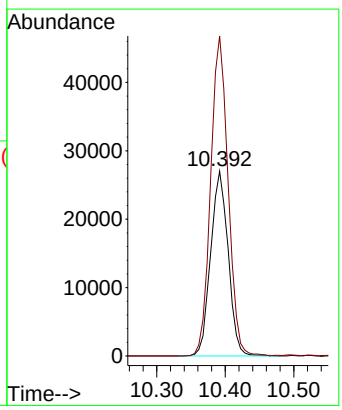
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

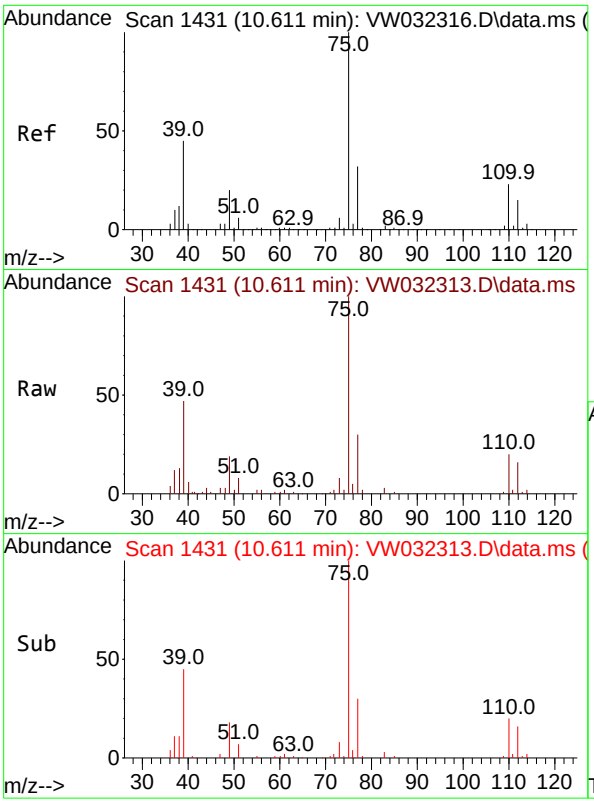


#52
Toluene
Concen: 5.094 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 92 Resp: 47870

Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.5	206.3

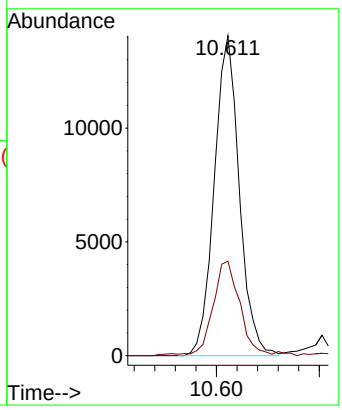




#53
t-1,3-Dichloropropene
Concen: 4.619 ug/l
RT: 10.611 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 75 Resp: 2374

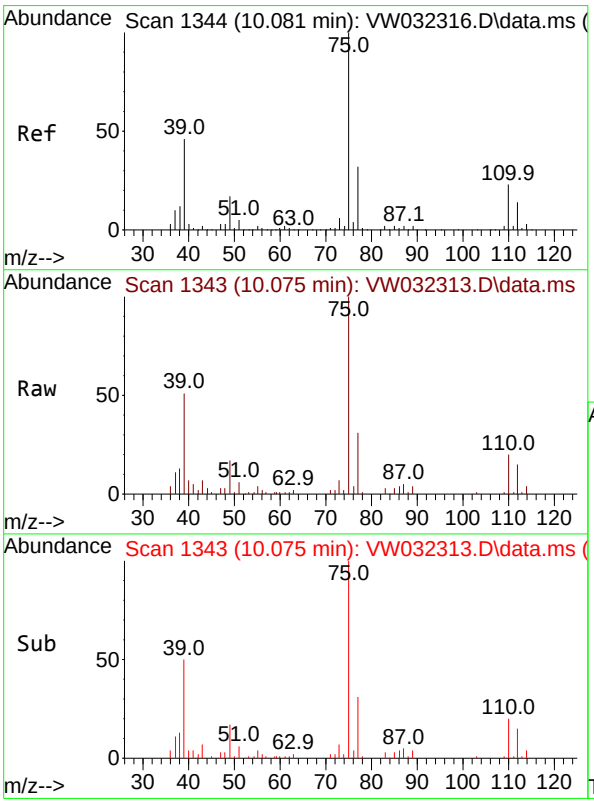
Ion	Ratio	Lower	Upper
75	100		
77	29.1	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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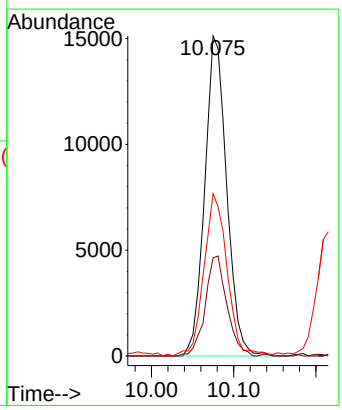
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

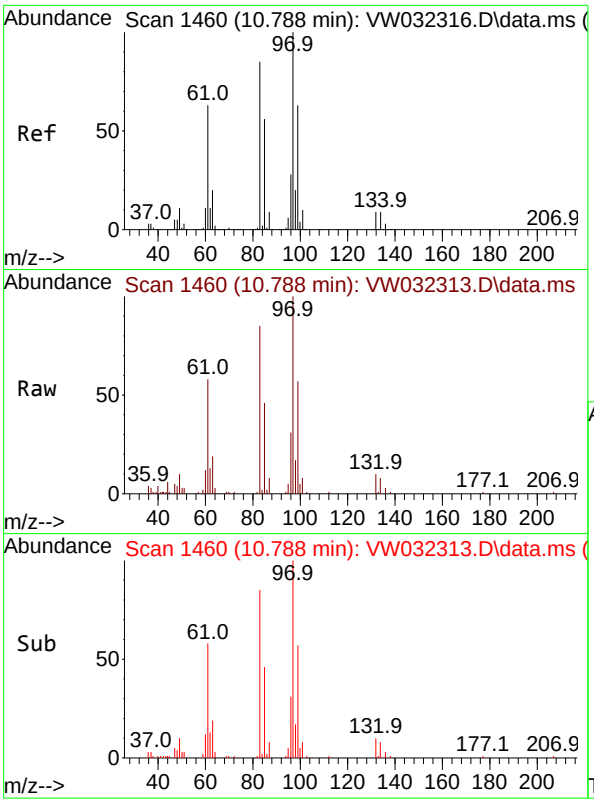


#54
cis-1,3-Dichloropropene
Concen: 4.727 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 75 Resp: 27985

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.1	37.7
39	50.0	43.2	64.8

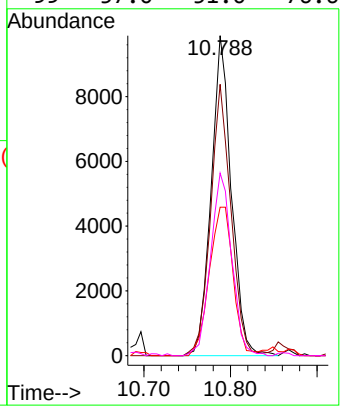




#55
1,1,2-Trichloroethane
Concen: 5.174 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 97 Resp: 1601

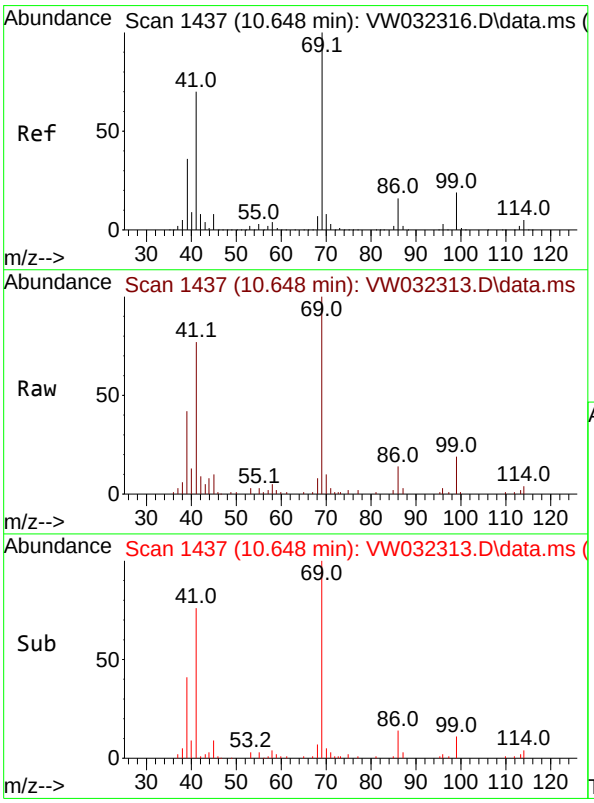
Ion	Ratio	Lower	Upper
97	100		
83	84.8	71.0	106.6
85	46.4	42.8	64.2
99	57.0	51.0	76.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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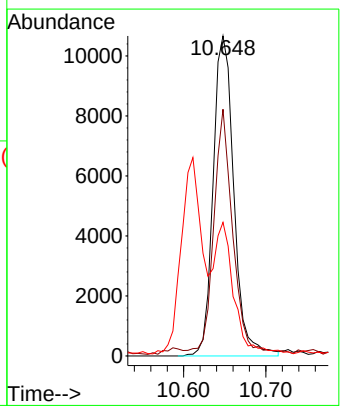
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

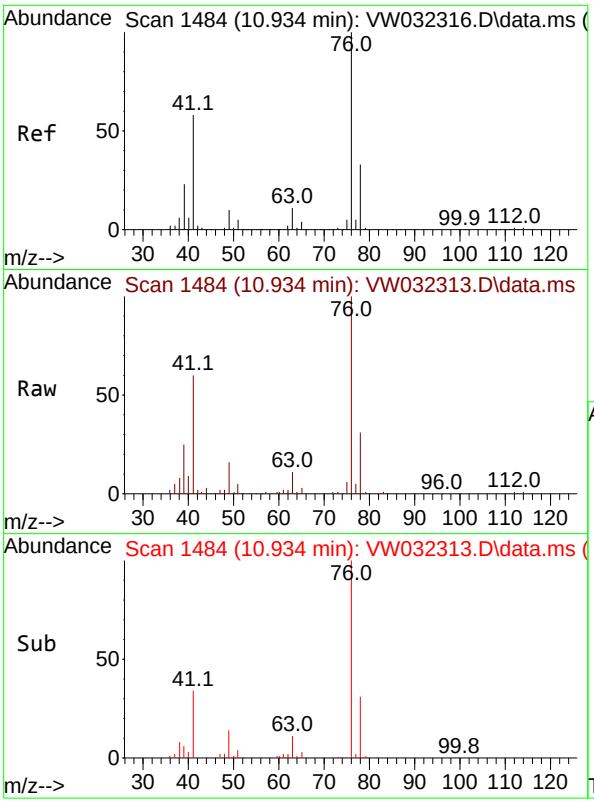


#56
Ethyl methacrylate
Concen: 4.308 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 69 Resp: 18666

Ion	Ratio	Lower	Upper
69	100		
41	69.9	53.2	79.8
39	39.9	32.9	49.3





#57
1,3-Dichloropropane
Concen: 4.991 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

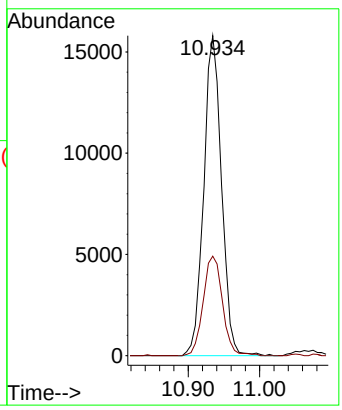
Tgt Ion: 76 Resp: 2728

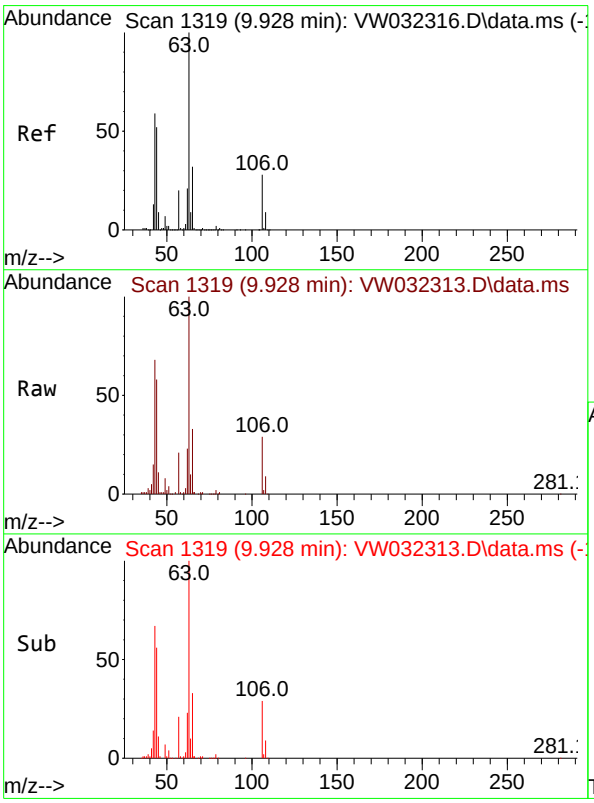
Ion	Ratio	Lower	Upper
76	100		
78	33.8	26.2	39.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

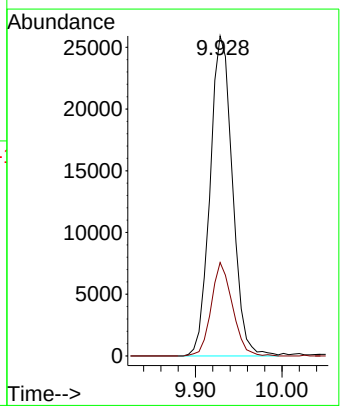


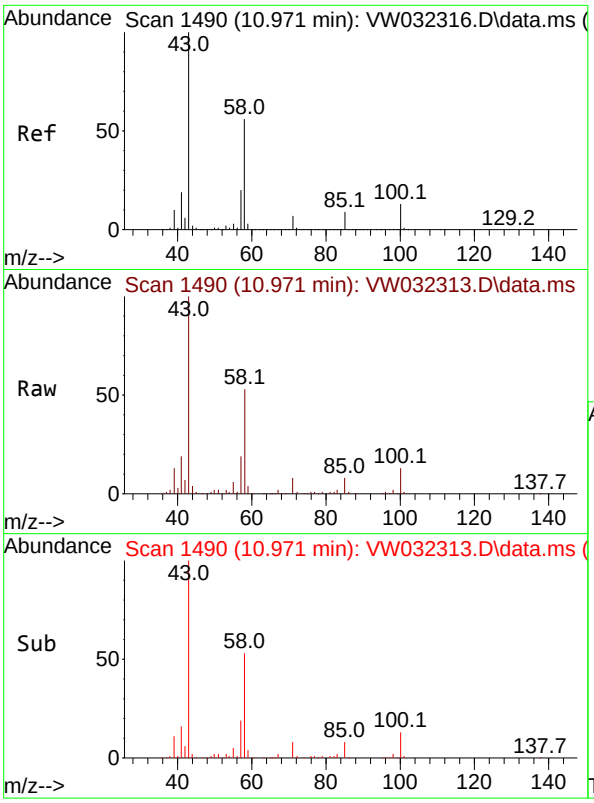


#58
2-Chloroethyl Vinyl ether
Concen: 20.206 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 63 Resp: 46589

Ion	Ratio	Lower	Upper
63	100		
106	27.7	24.3	36.5





#59
2-Hexanone
Concen: 22.879 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

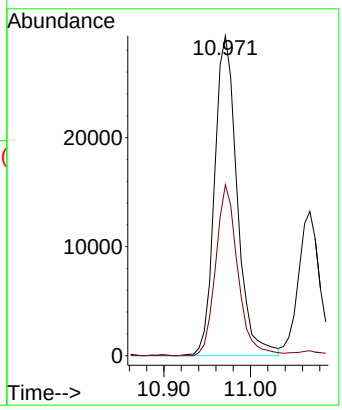
Tgt Ion: 43 Resp: 5312(

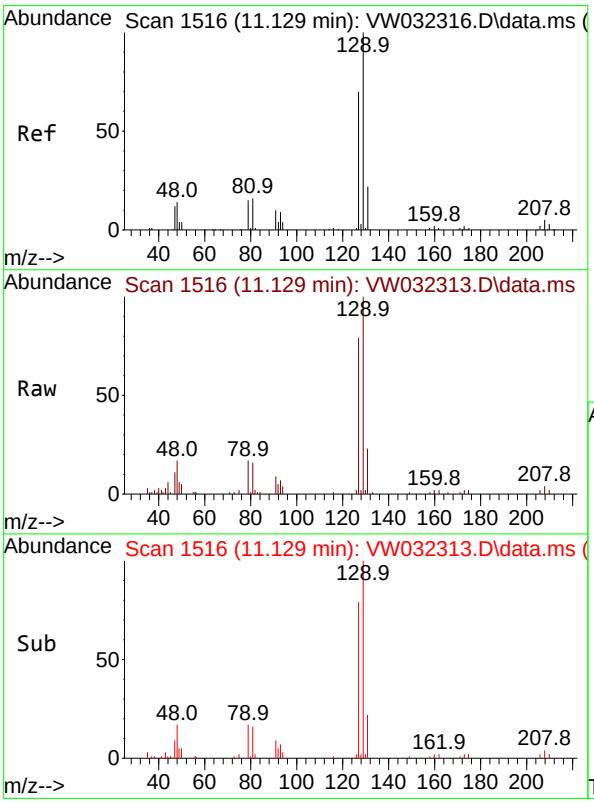
Ion	Ratio	Lower	Upper
43	100		
58	52.2	27.5	82.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

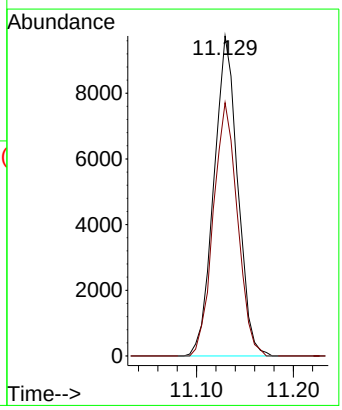


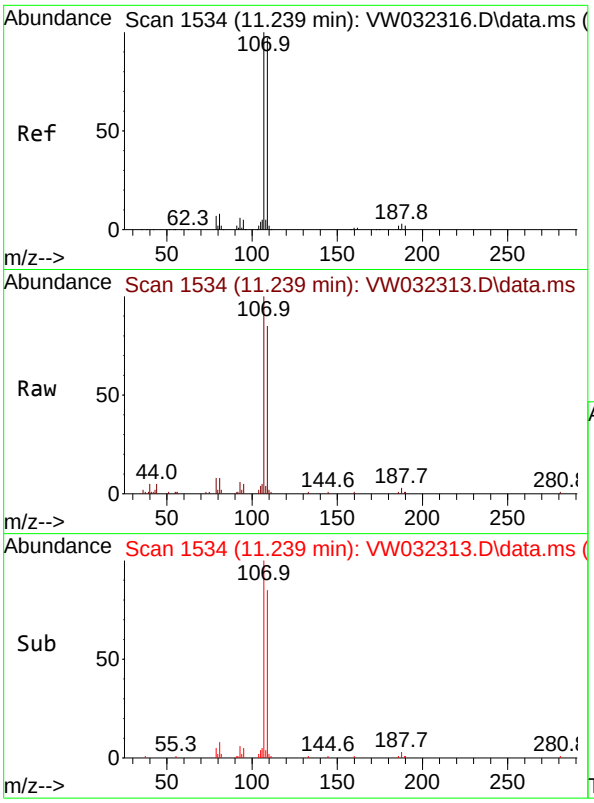


#60
Dibromochloromethane
Concen: 4.744 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:129 Resp: 16674

Ion	Ratio	Lower	Upper
129	100		
127	80.3	38.1	114.5





#61
1,2-Dibromoethane
Concen: 4.990 ug/l
RT: 11.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

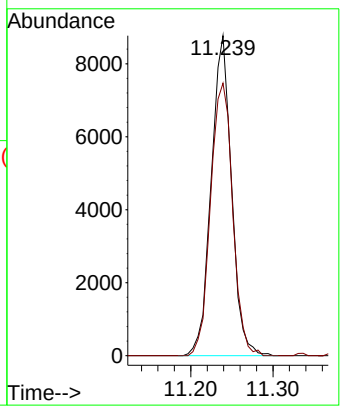
Tgt Ion:107 Resp: 1506

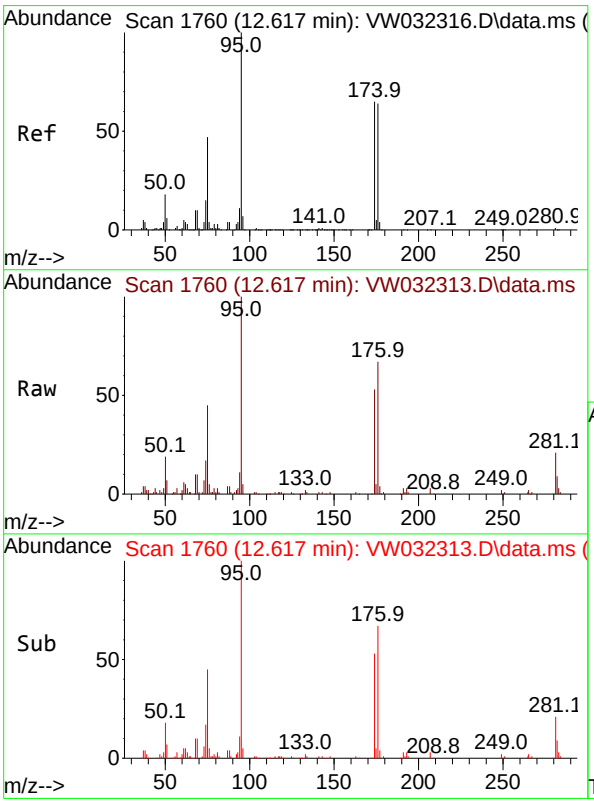
Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.5	111.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

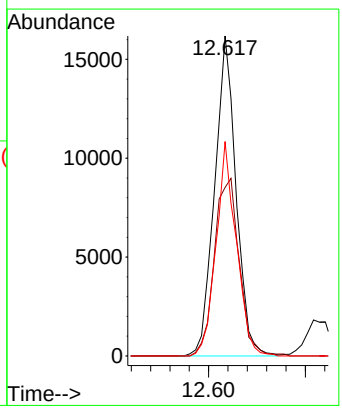


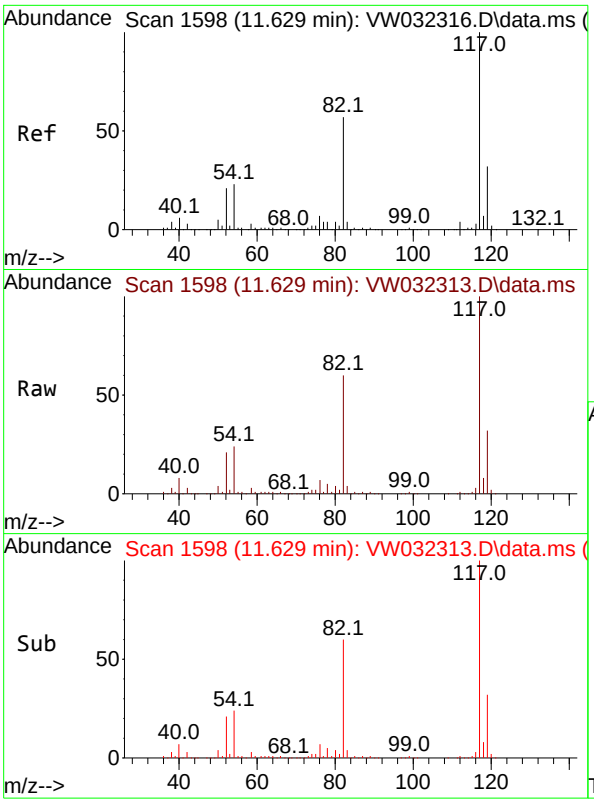


#62
4-Bromofluorobenzene
Concen: 5.229 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 95 Resp: 24882

Ion	Ratio	Lower	Upper
95	100		
174	64.4	0.0	145.6
176	63.2	0.0	140.8

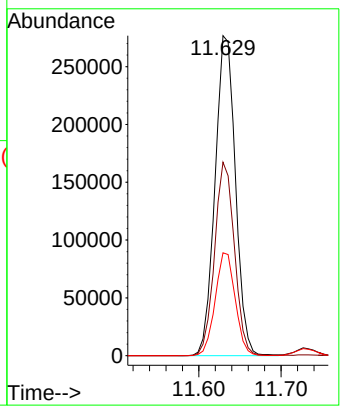




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:117 Resp: 47855

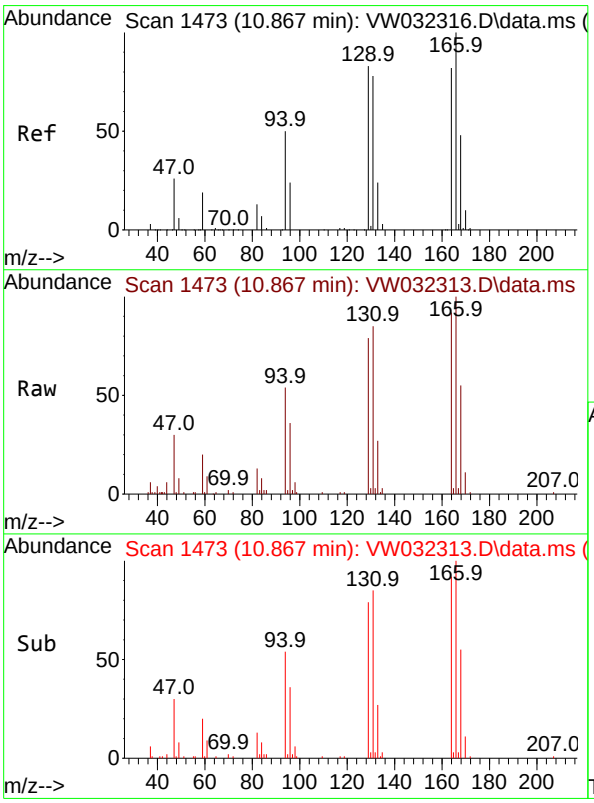
Ion	Ratio	Lower	Upper
117	100		
82	60.5	42.7	64.1
119	32.2	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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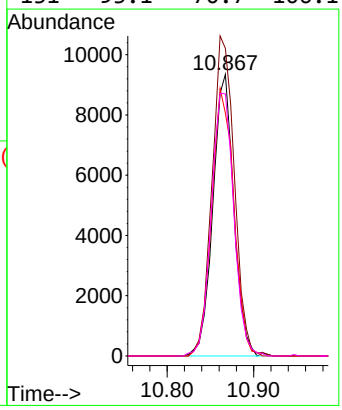
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

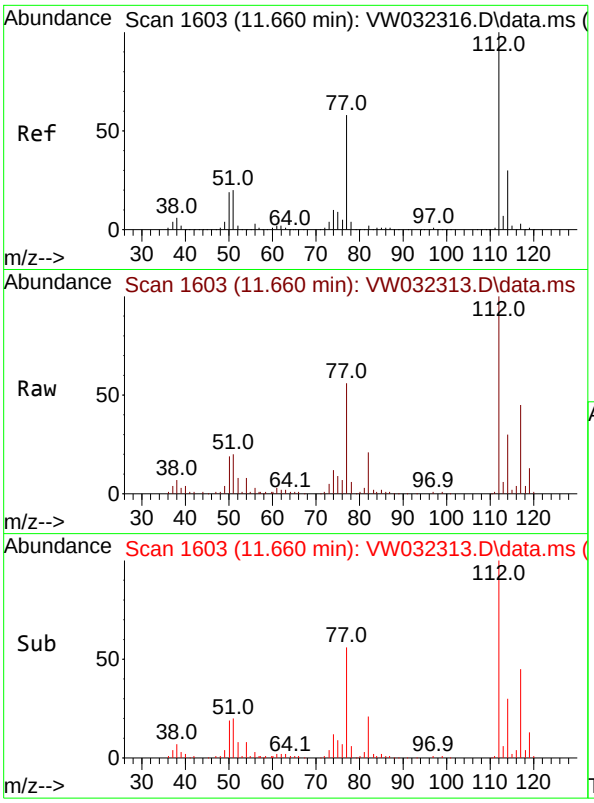


#64
Tetrachloroethene
Concen: 5.461 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:164 Resp: 15638

Ion	Ratio	Lower	Upper
164	100		
166	109.2	97.5	146.3
129	86.2	71.2	106.8
131	93.1	70.7	106.1

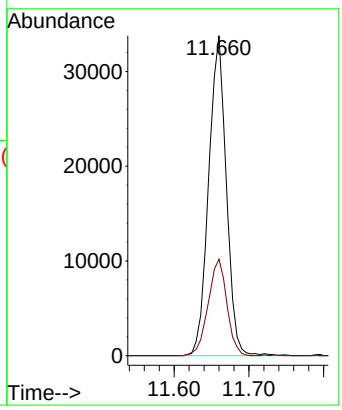




#65
Chlorobenzene
Concen: 5.269 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:112 Resp: 5547

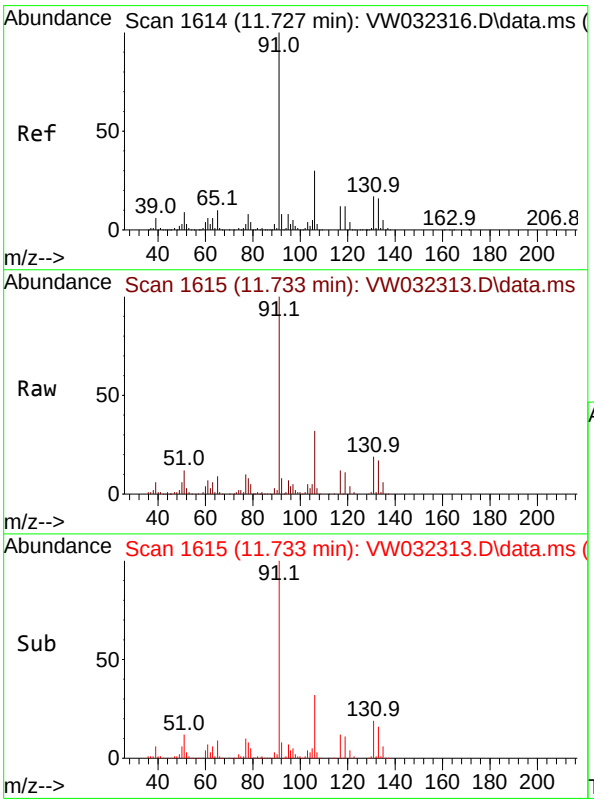
Ion	Ratio	Lower	Upper
112	100		
114	30.1	26.0	39.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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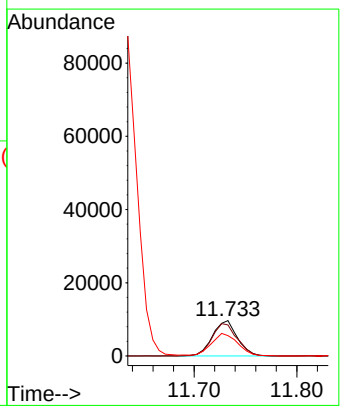
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

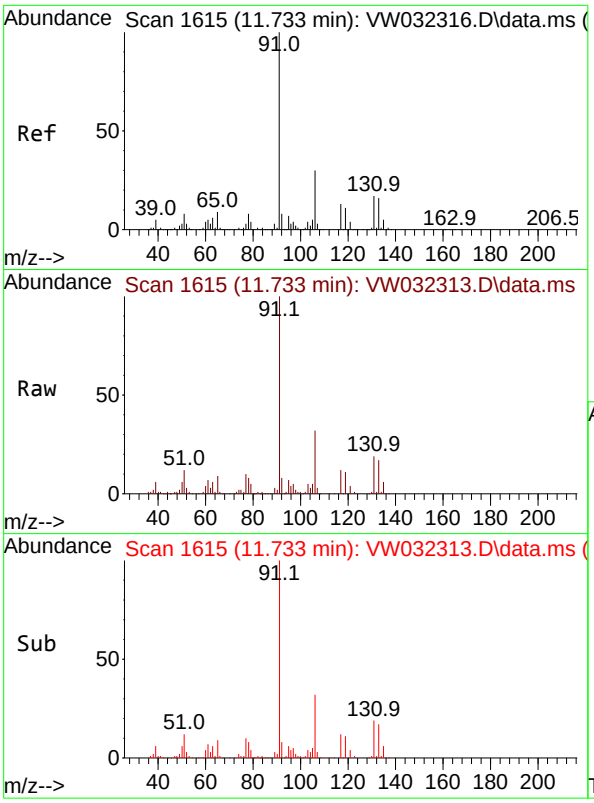


#66
1,1,1,2-Tetrachloroethane
Concen: 4.942 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:131 Resp: 16206

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.7	143.1
119	67.8	32.8	98.3





#67
Ethyl Benzene
Concen: 4.969 ug/l
RT: 11.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

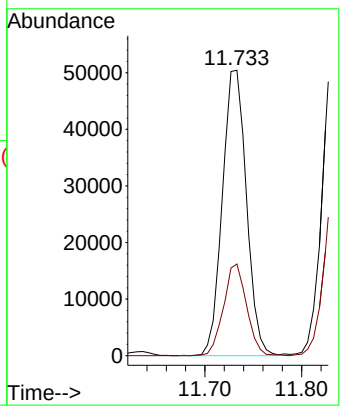
Tgt Ion: 91 Resp: 8721

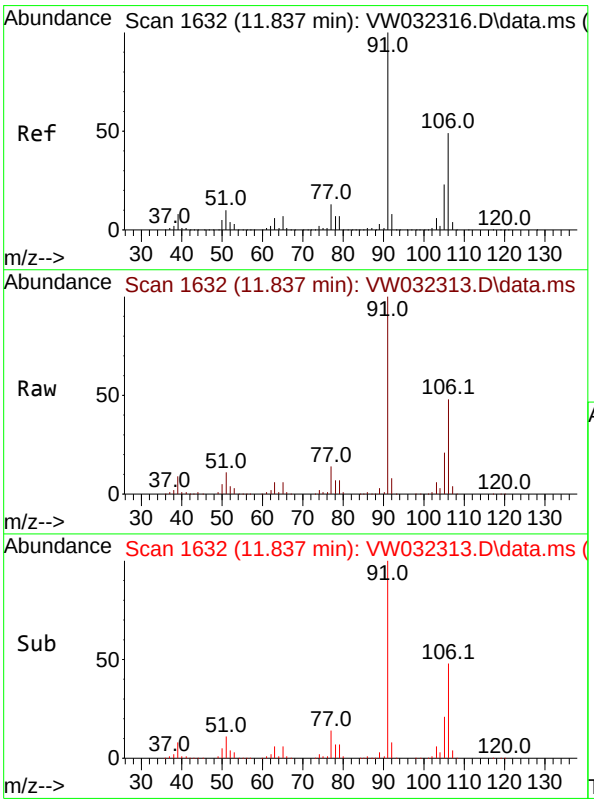
Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.3	37.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

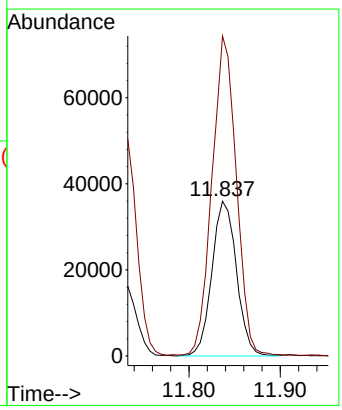


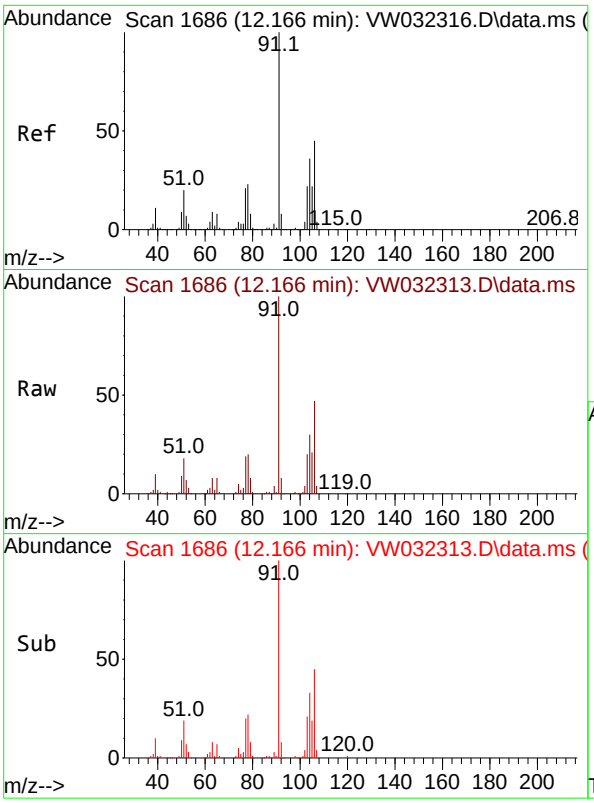


#68
m/p-Xylenes
Concen: 9.951 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:106 Resp: 67346

Ion	Ratio	Lower	Upper
106	100		
91	204.4	164.2	246.2





#69
o-Xylene
Concen: 4.782 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

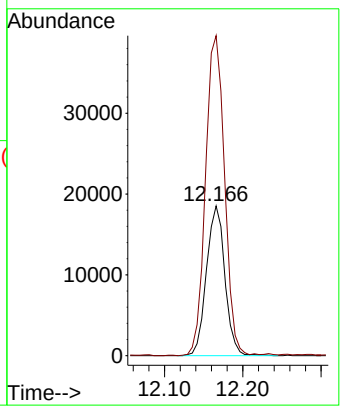
Tgt Ion:106 Resp: 3026

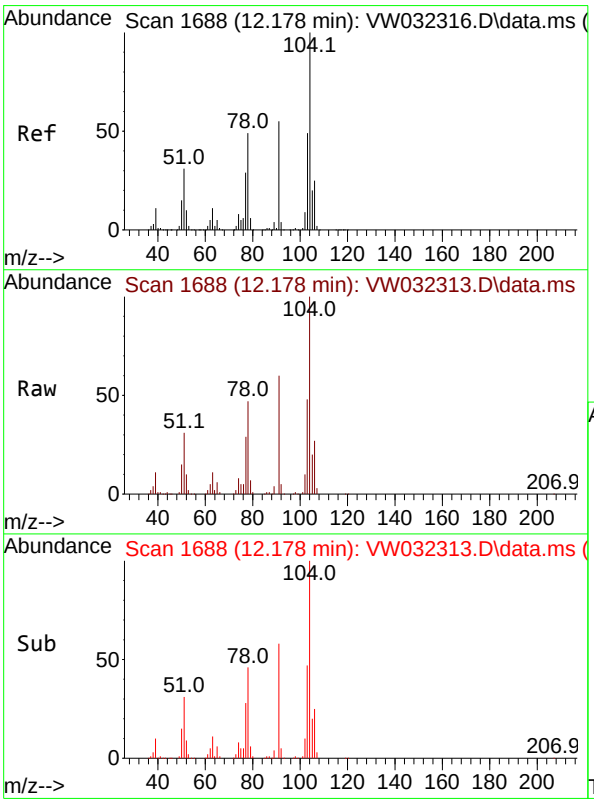
Ion	Ratio	Lower	Upper
106	100		
91	220.9	108.7	326.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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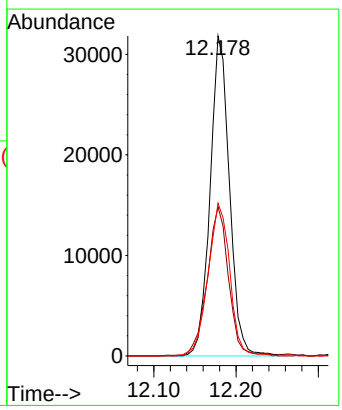


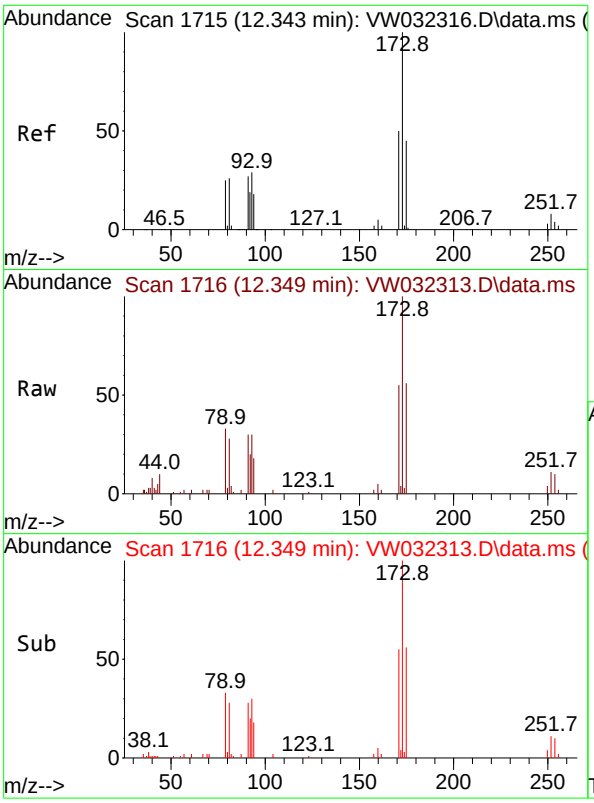


#70
Styrene
Concen: 4.719 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:104 Resp: 52147

Ion	Ratio	Lower	Upper
104	100		
78	51.5	41.6	62.4
103	53.5	44.8	67.2

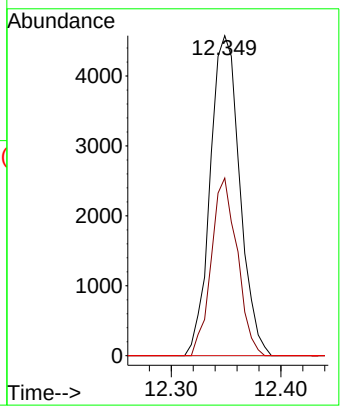




#71
Bromoform
Concen: 4.557 ug/l
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:173 Resp: 856

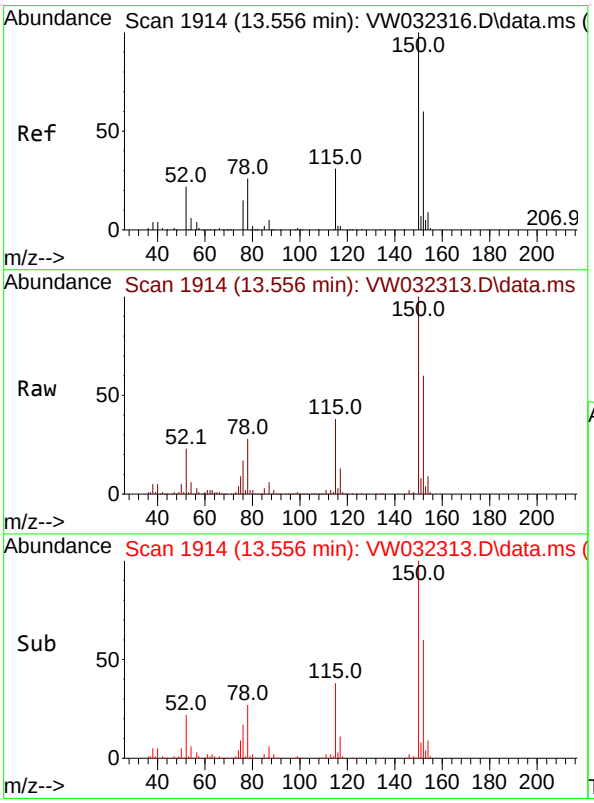
Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.7
254	0.0	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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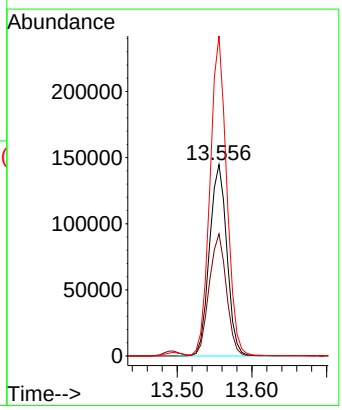
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

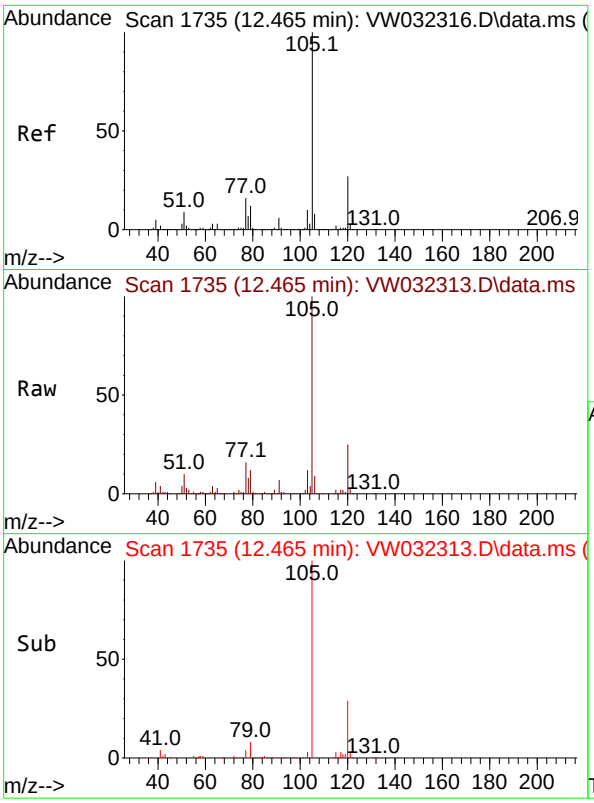


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:152 Resp: 234250

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.8	95.4
150	160.2	0.0	343.0

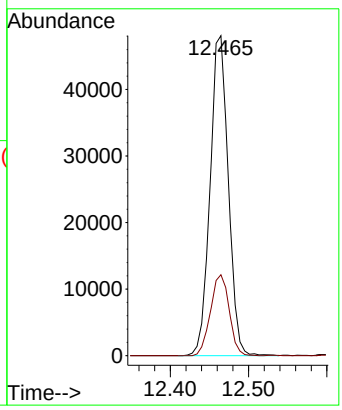




#73
Isopropylbenzene
Concen: 4.847 ug/l
RT: 12.465 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:105 Resp: 7767

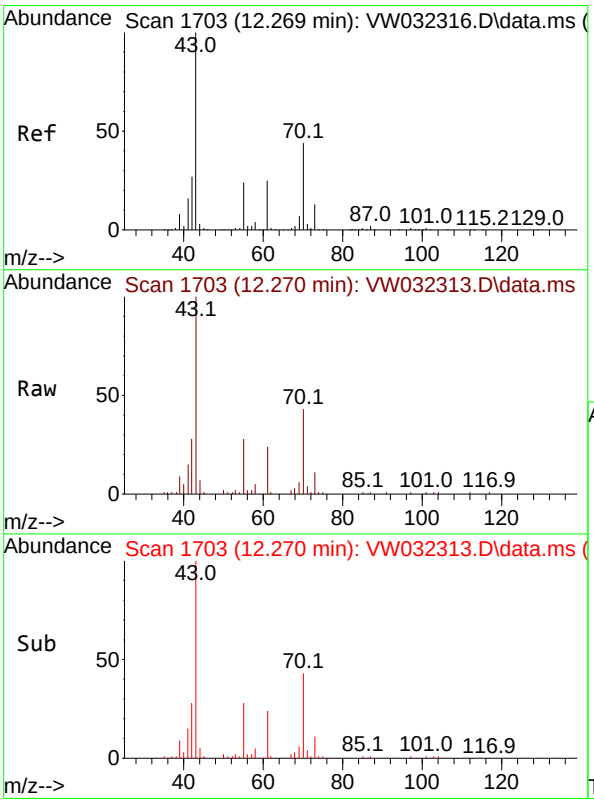
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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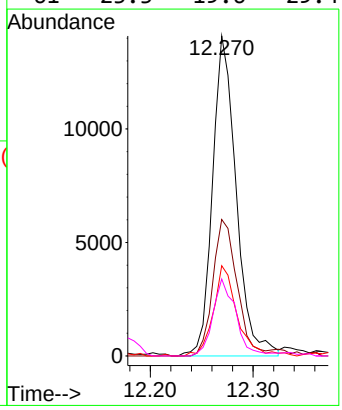
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

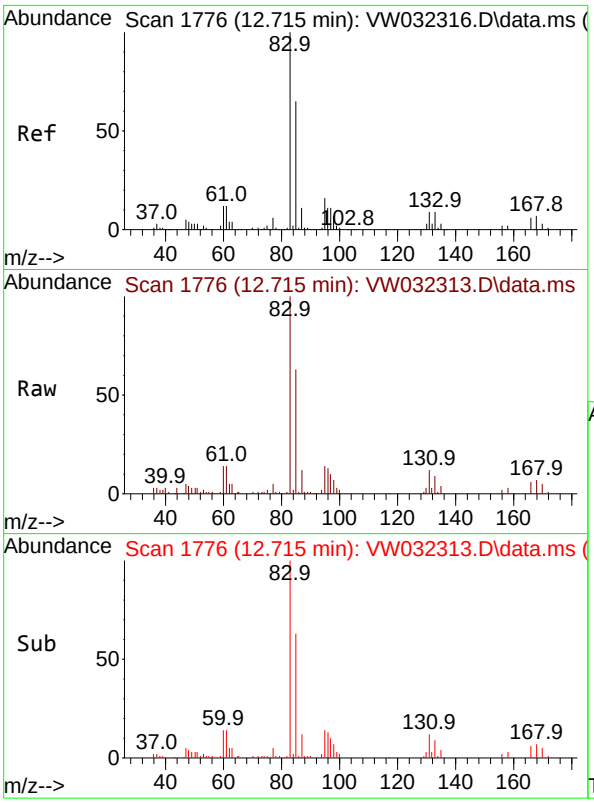


#74
N-amyl acetate
Concen: 4.416 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 43 Resp: 22577

Ion	Ratio	Lower	Upper
43	100		
70	43.3	35.3	52.9
55	28.4	19.9	29.9
61	23.3	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 5.102 ug/l
RT: 12.715 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

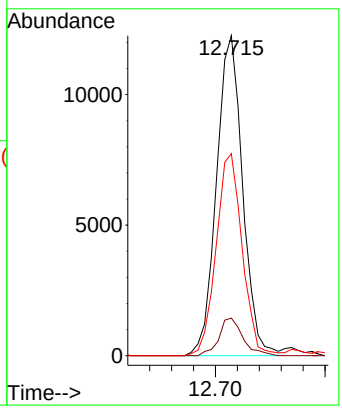
Tgt Ion: 83 Resp: 2030

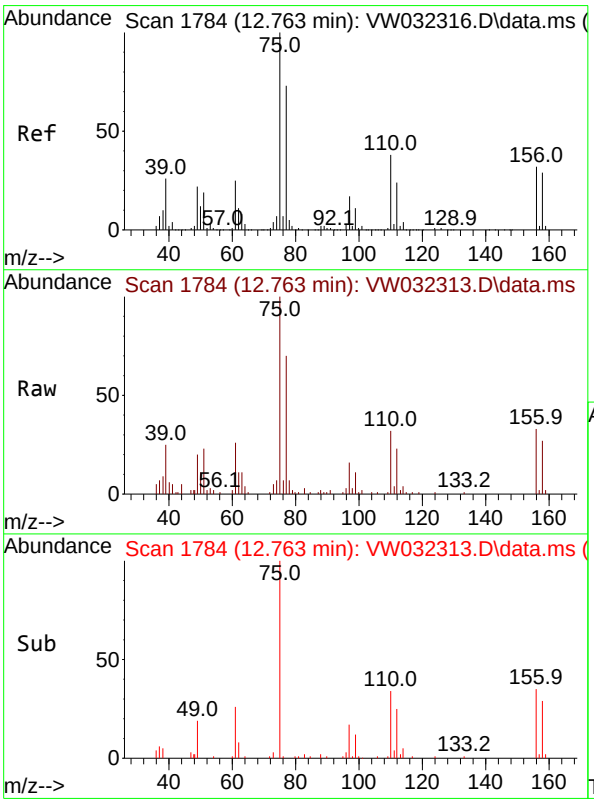
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.1	15.4
85	62.9	32.2	96.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
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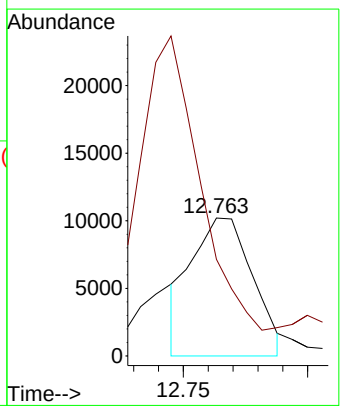


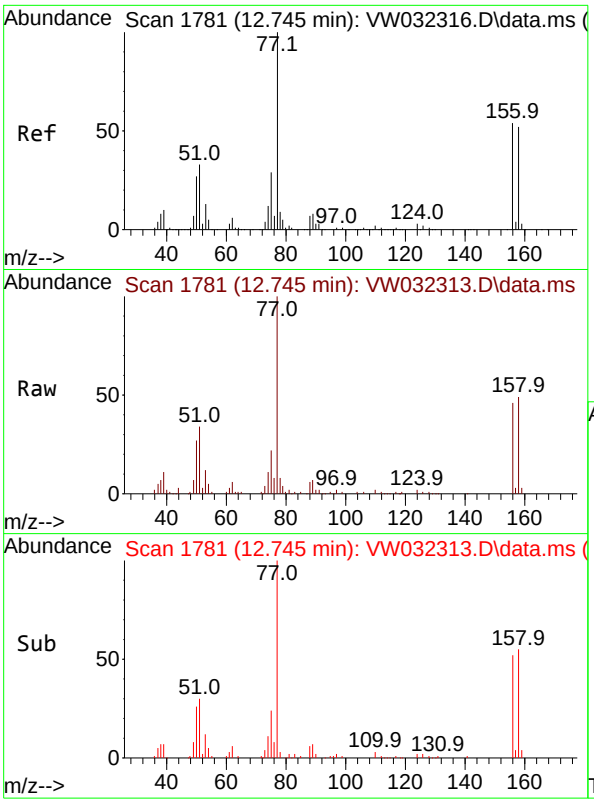


#76
1,2,3-Trichloropropane
Concen: 5.665 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 75 Resp: 17510

Ion	Ratio	Lower	Upper
75	100		
77	251.5	141.7	425.1

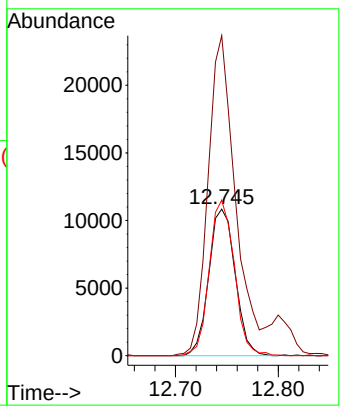




#77
Bromobenzene
Concen: 4.999 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:156 Resp: 1931

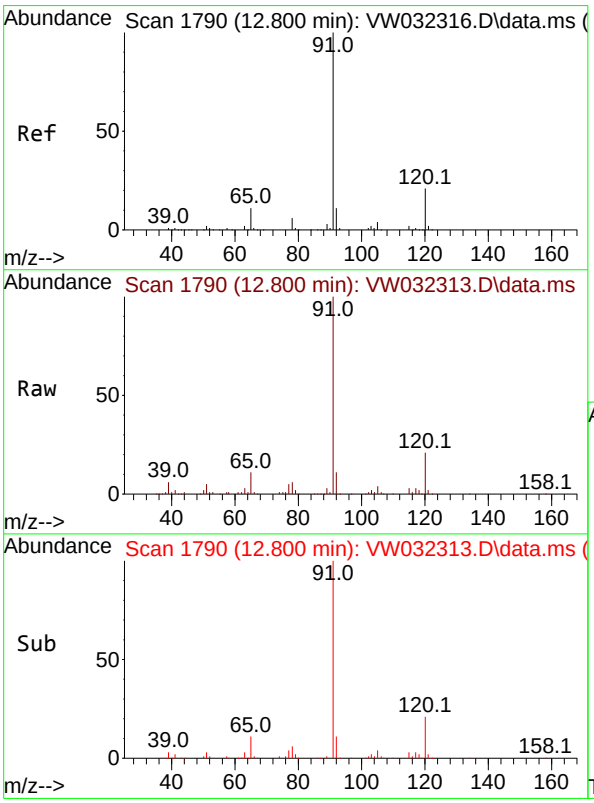
Ion	Ratio	Lower	Upper
156	100		
77	228.1	98.6	295.7
158	101.1	48.4	145.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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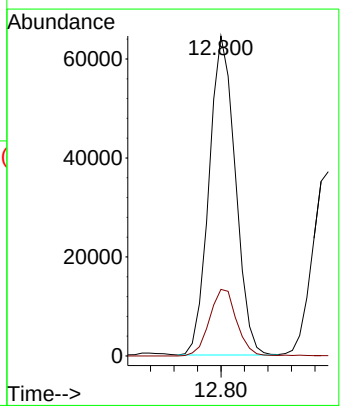
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

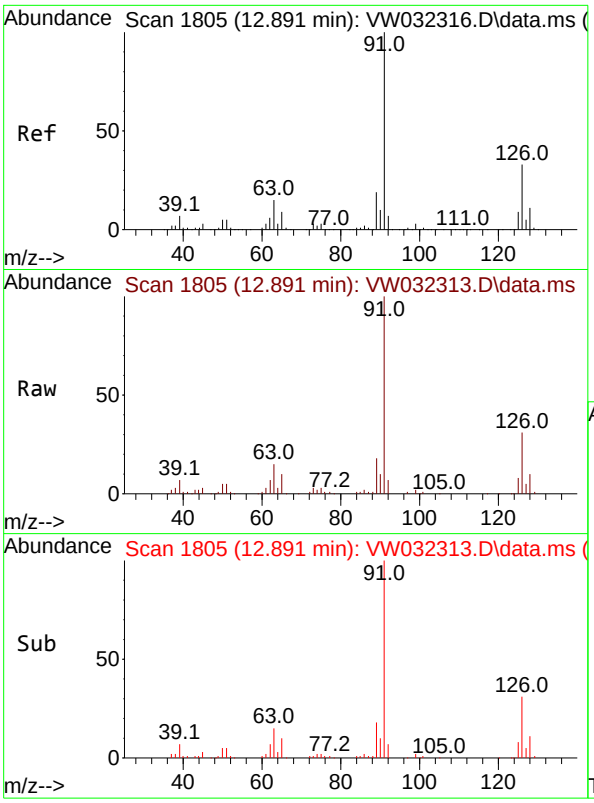


#78
n-propylbenzene
Concen: 5.016 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 91 Resp: 100413

Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.8	35.4





#79
2-Chlorotoluene
Concen: 4.984 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

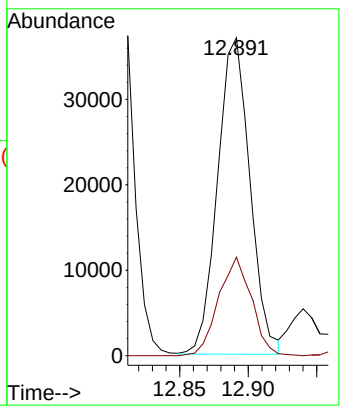
Tgt Ion: 91 Resp: 6100

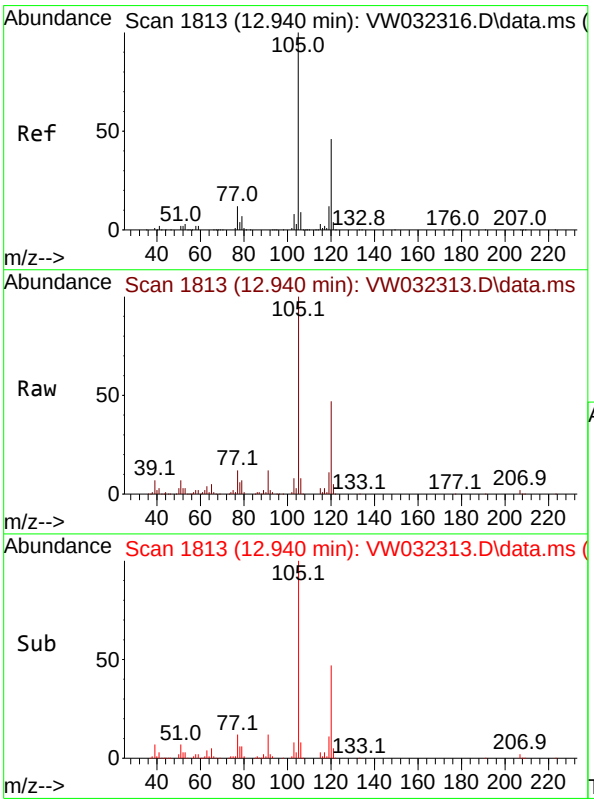
Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.6	49.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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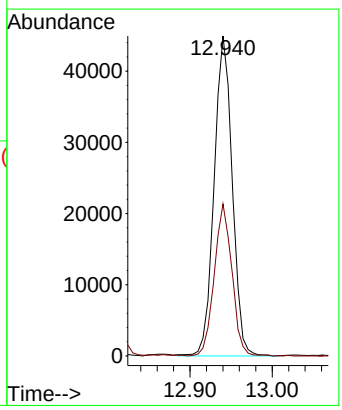


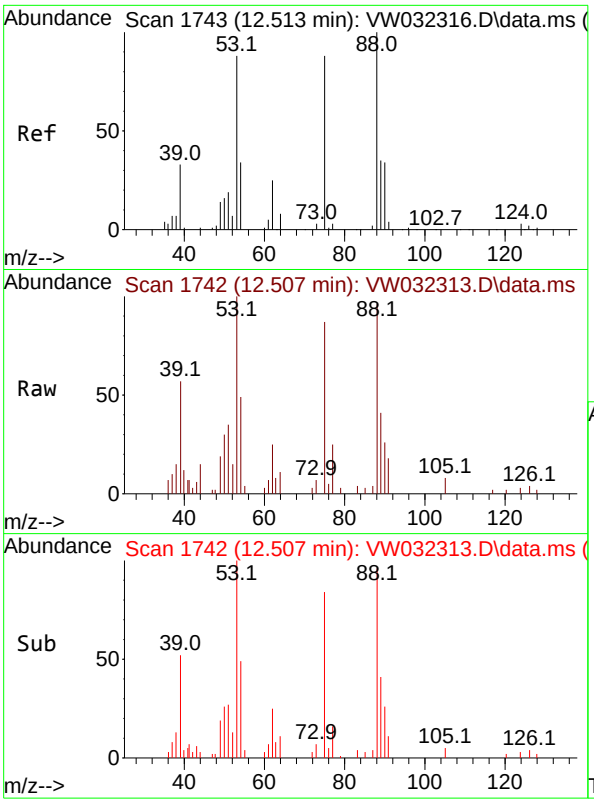


#80
1,3,5-Trimethylbenzene
Concen: 4.969 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:105 Resp: 68864

Ion	Ratio	Lower	Upper
105	100		
120	46.2	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 4.059 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

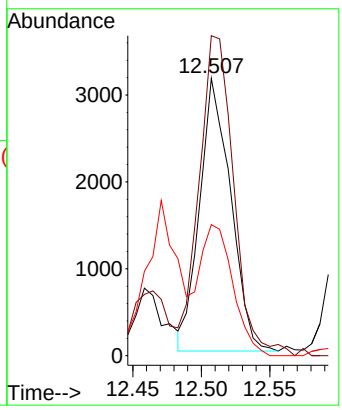
Tgt Ion: 75 Resp: 493

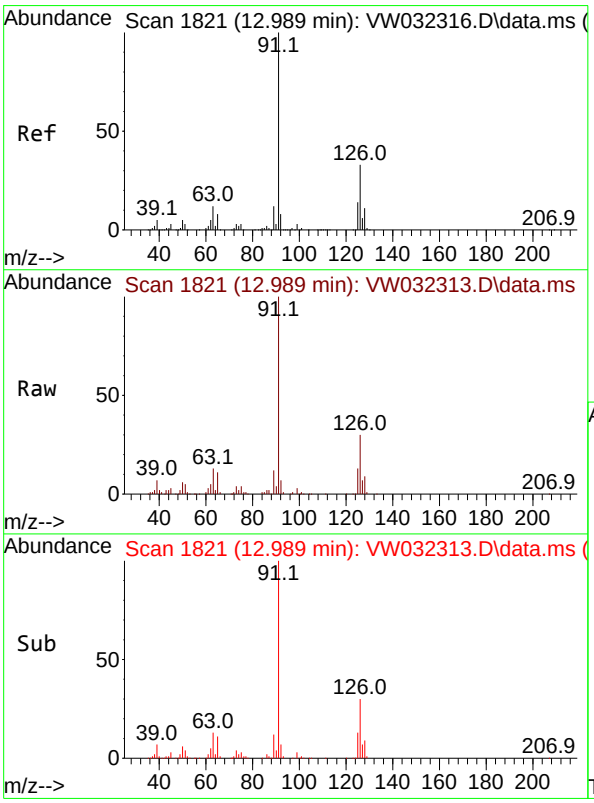
Ion	Ratio	Lower	Upper
75	100		
53	131.1	91.0	136.6
89	53.2	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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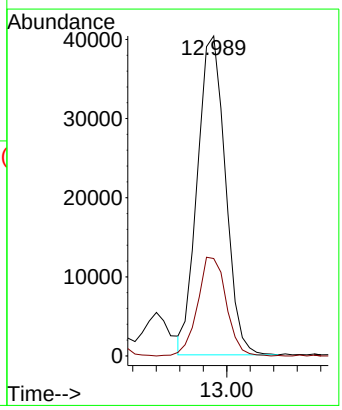


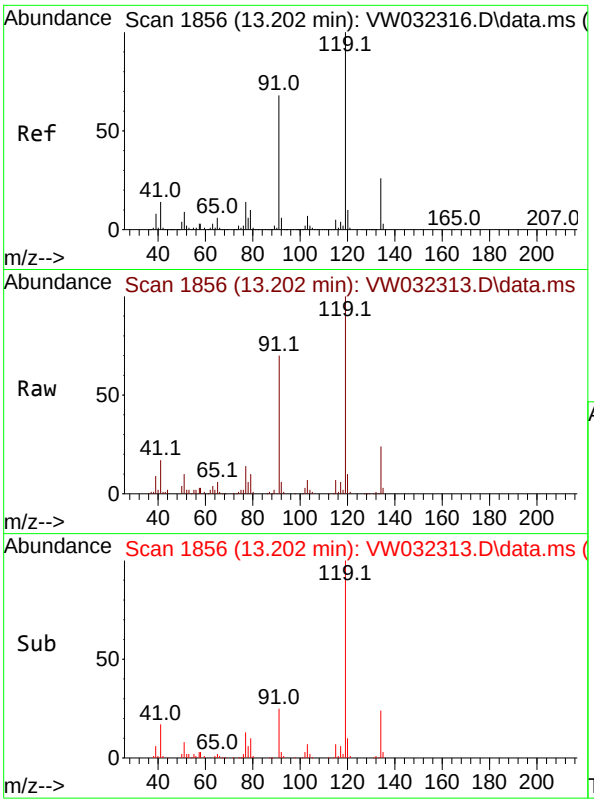


#82
4-Chlorotoluene
Concen: 5.124 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 91 Resp: 66681

Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.1	48.2





#83
tert-Butylbenzene
Concen: 4.914 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

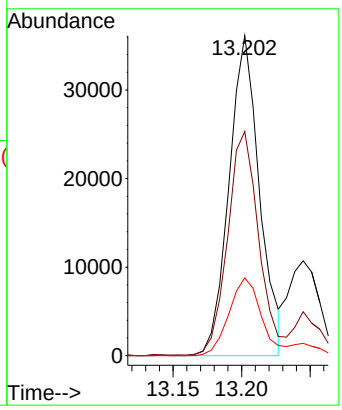
Tgt Ion:119 Resp: 5587

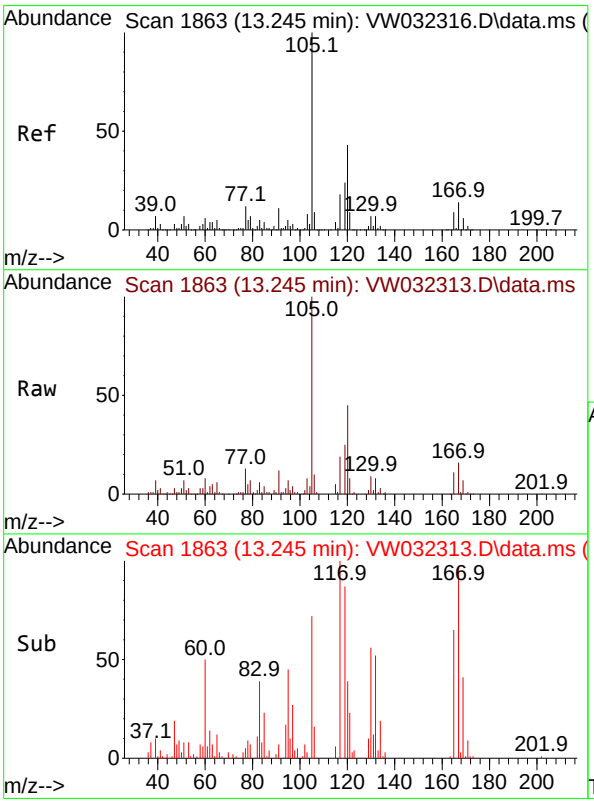
Ion	Ratio	Lower	Upper
119	100		
91	71.8	33.8	101.3
134	25.9	12.5	37.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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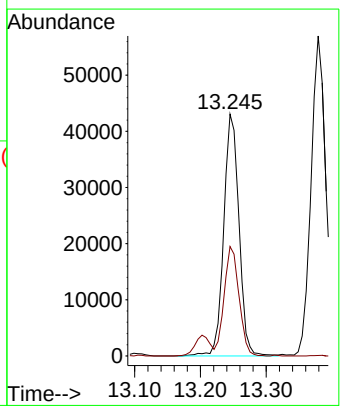


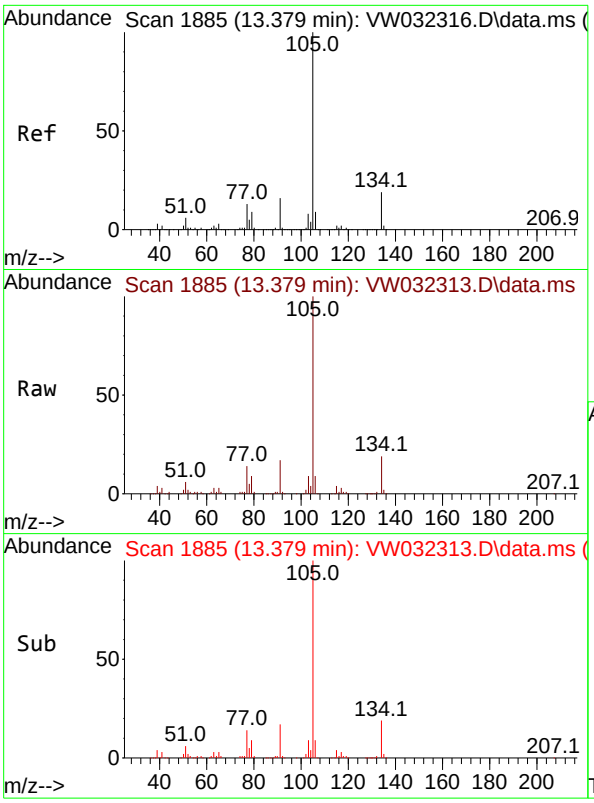


#84
1,2,4-Trimethylbenzene
Concen: 4.943 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:105 Resp: 69654

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.3

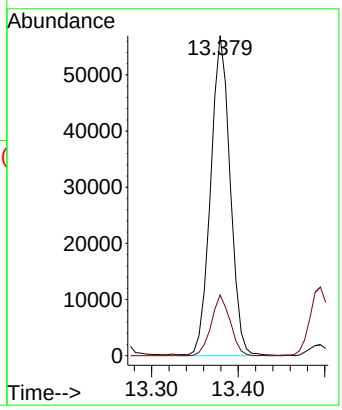




#85
sec-Butylbenzene
Concen: 5.134 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:105 Resp: 8921

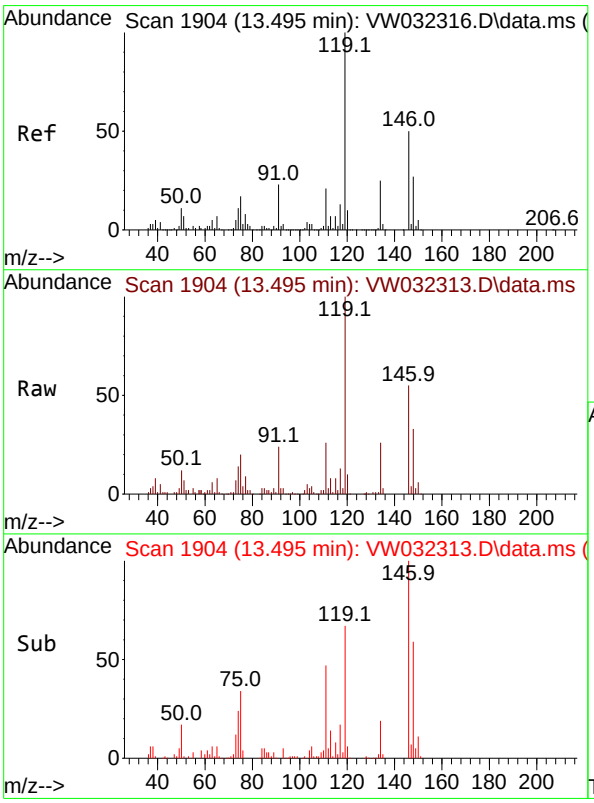
Ion	Ratio	Lower	Upper
105	100		
134	18.3	10.1	30.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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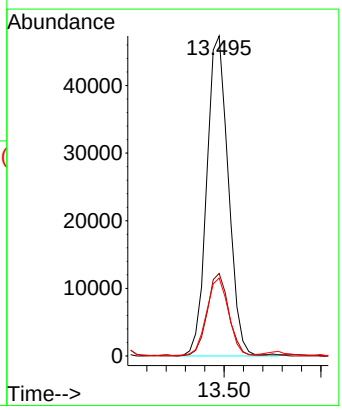
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

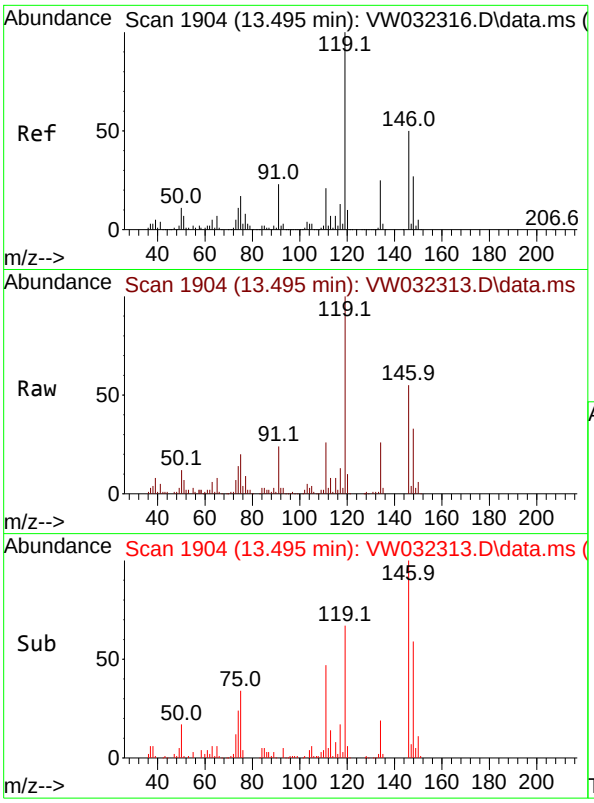


#86
p-Isopropyltoluene
Concen: 5.090 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:119 Resp: 73385

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.6
91	24.7	12.4	37.0

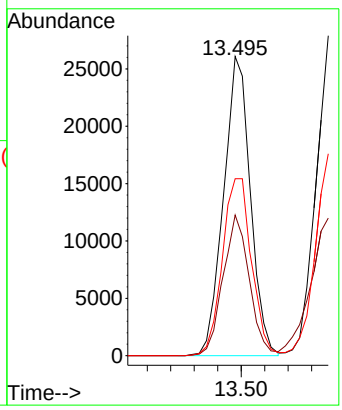




#87
1,3-Dichlorobenzene
Concen: 5.284 ug/l
RT: 13.495 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:146 Resp: 4133

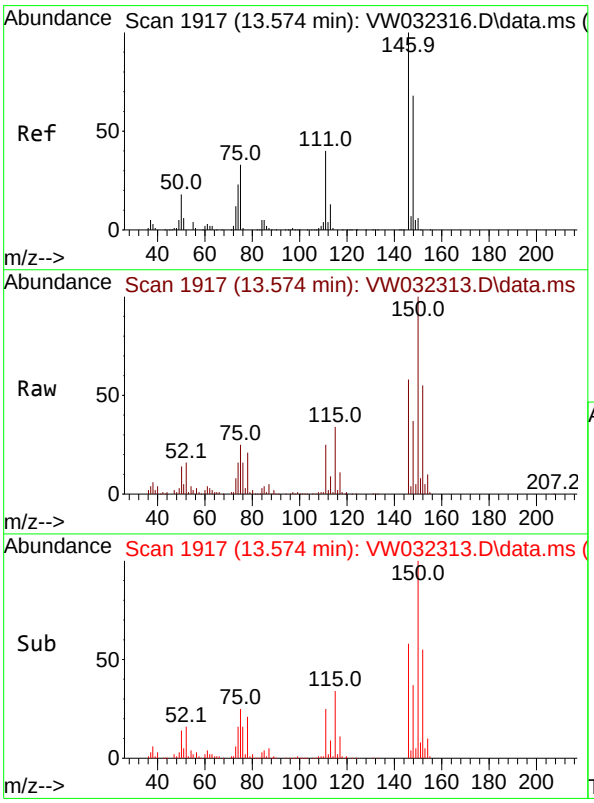
Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.6	61.9
148	64.4	30.6	92.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

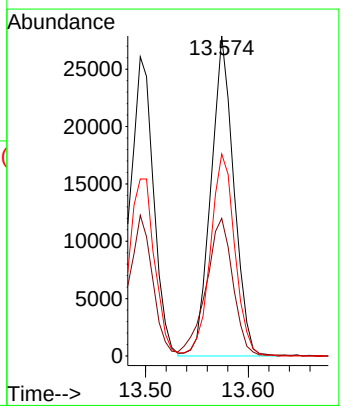
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

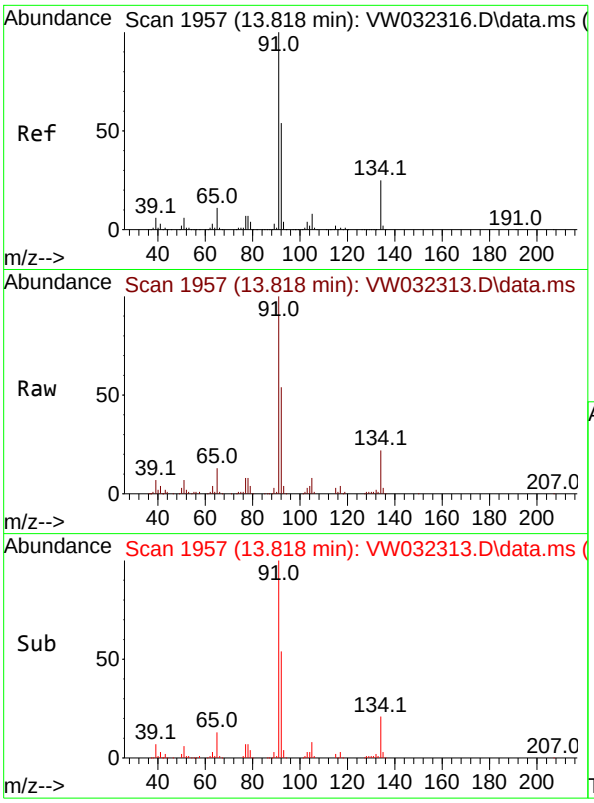


#88
1,4-Dichlorobenzene
Concen: 5.507 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:146 Resp: 43076

Ion	Ratio	Lower	Upper
146	100		
111	50.7	21.3	63.7
148	67.2	33.4	100.1

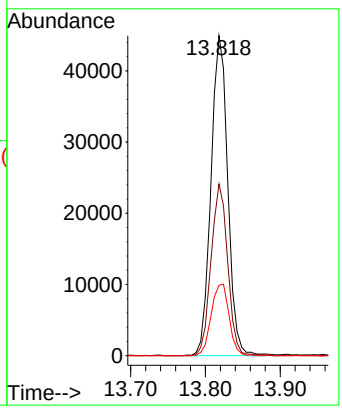




#89
n-Butylbenzene
Concen: 5.006 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 91 Resp: 7046

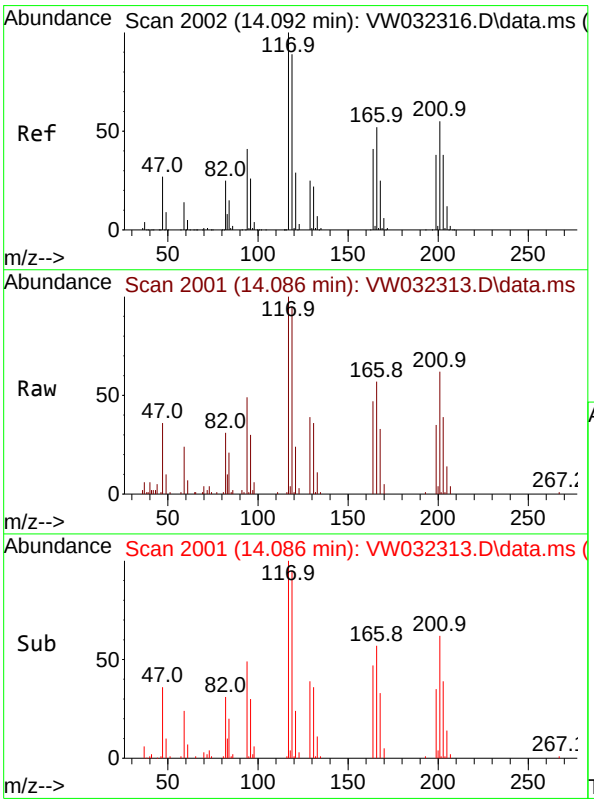
Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.0	81.0
134	23.8	13.1	39.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

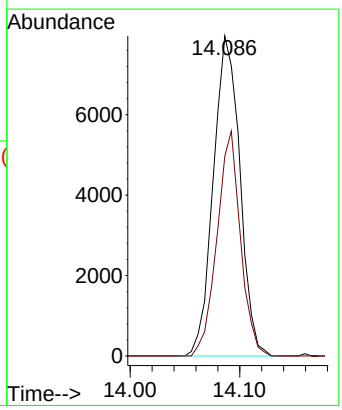
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

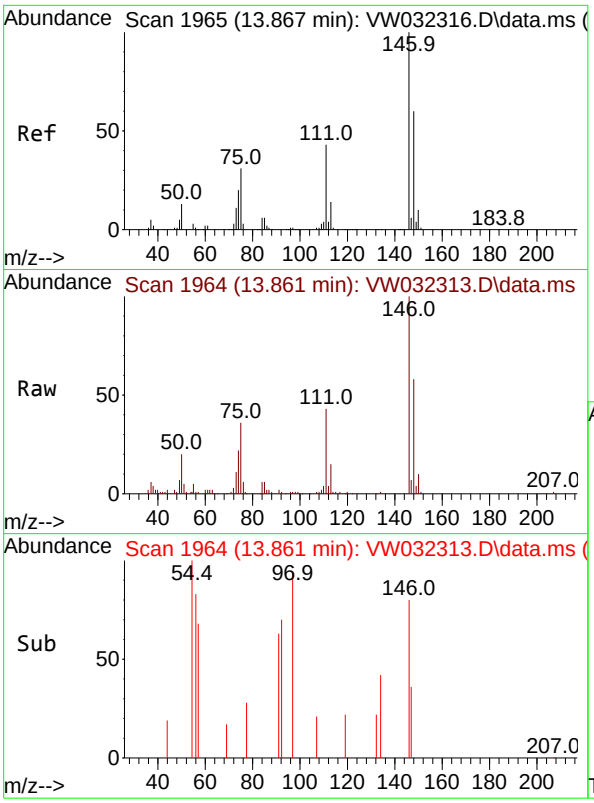


#90
Hexachloroethane
Concen: 5.178 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:117 Resp: 13382

Ion	Ratio	Lower	Upper
117	100		
201	62.2	32.8	98.4

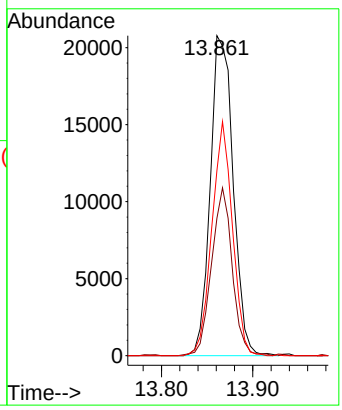




#91
1,2-Dichlorobenzene
Concen: 5.104 ug/l
RT: 13.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:146 Resp: 3609

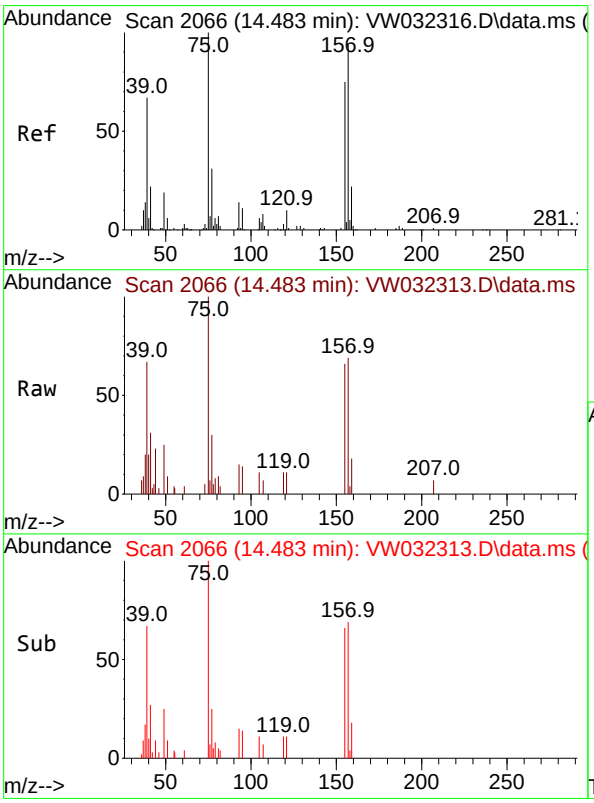
Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.4	70.0
148	65.9	34.1	102.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

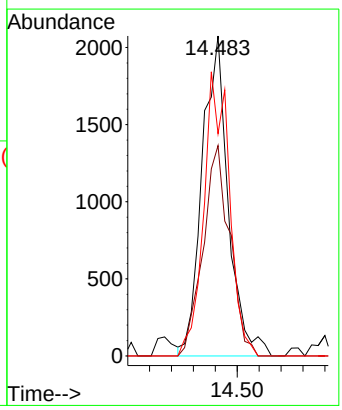
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

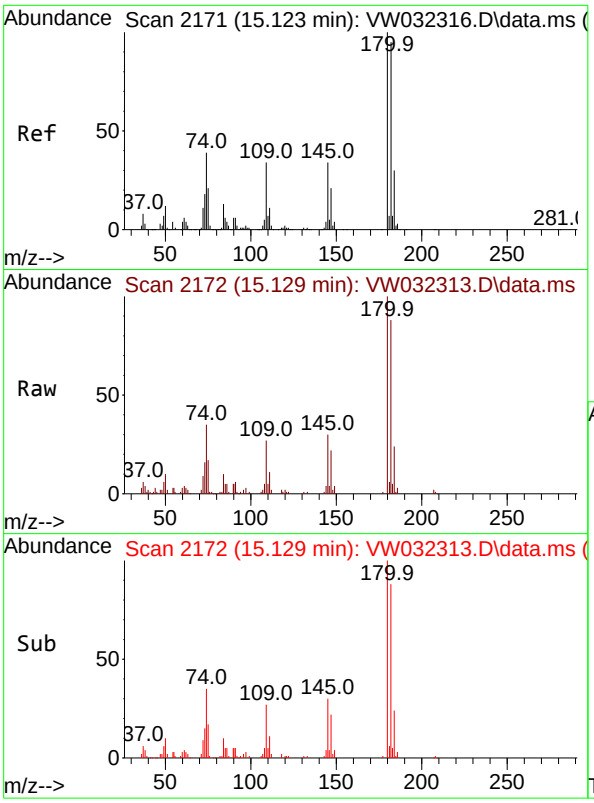


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.914 ug/l
RT: 14.483 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion: 75 Resp: 3424

Ion	Ratio	Lower	Upper
75	100		
155	67.6	40.8	122.5
157	87.1	51.8	155.4

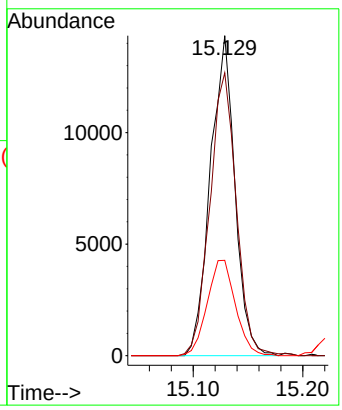




#93
1,2,4-Trichlorobenzene
Concen: 5.279 ug/l
RT: 15.129 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:180 Resp: 2238

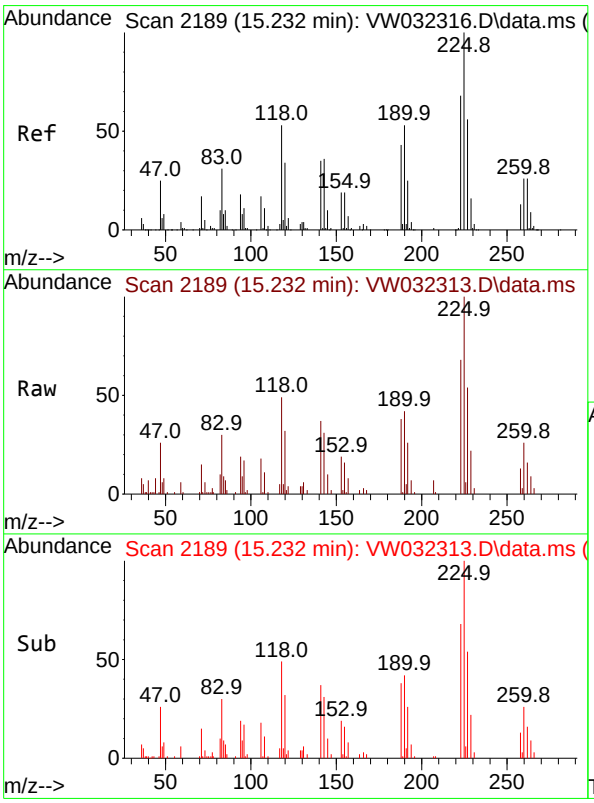
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.2
145	34.2	16.4	49.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

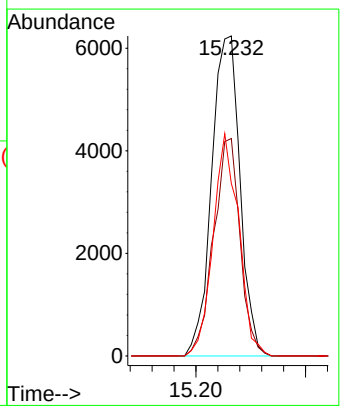
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

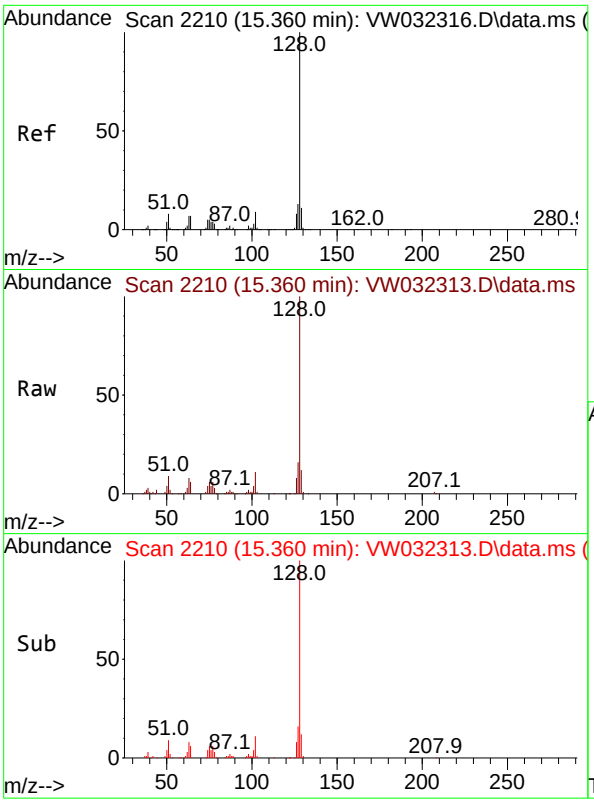


#94
Hexachlorobutadiene
Concen: 5.775 ug/l
RT: 15.232 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:225 Resp: 11196

Ion	Ratio	Lower	Upper
225	100		
223	63.5	29.8	89.3
227	62.7	30.5	91.5





#95
Naphthalene
Concen: 4.481 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

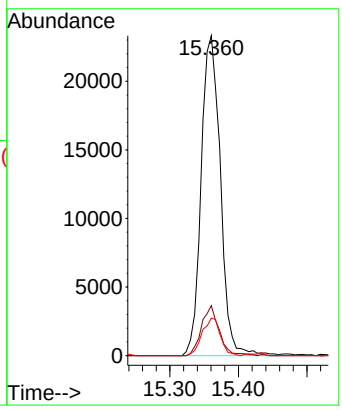
Tgt Ion:128 Resp: 4562

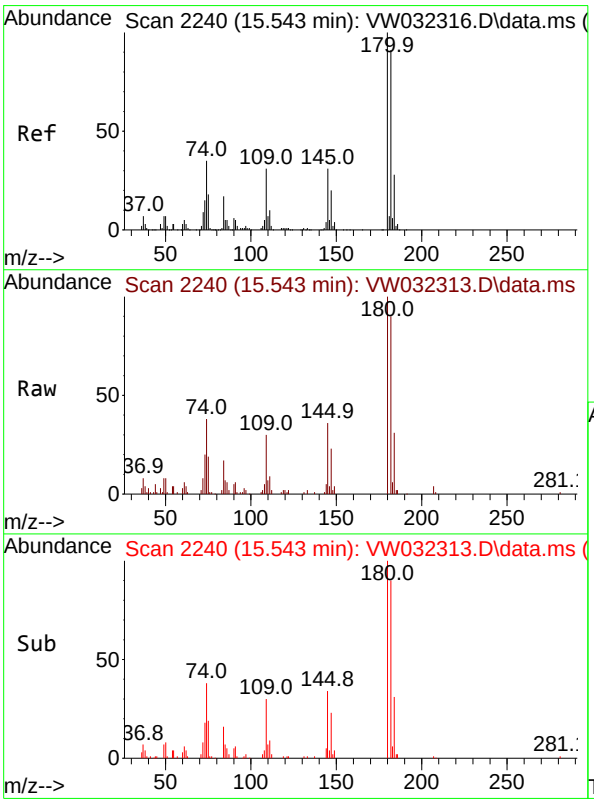
Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.6	16.0
129	11.1	8.4	12.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

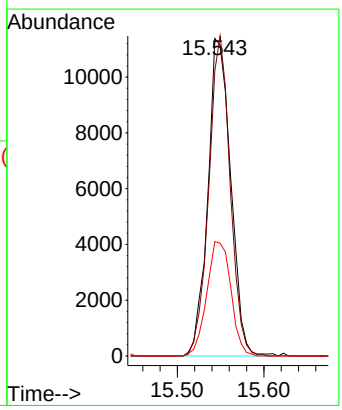




#96
1,2,3-Trichlorobenzene
Concen: 5.236 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VW032313.D
Acq: 01 Oct 2025 13:12

Tgt Ion:180 Resp: 20926

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.7	143.1
145	38.0	17.2	51.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032314.D
Acq On : 01 Oct 2025 13:34
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:13:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	280850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	525265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	471729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	242027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	42595	10.398	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	20.800%#		
35) Dibromofluoromethane	7.898	113	35230	10.357	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	20.720%#		
50) Toluene-d8	10.325	98	126526	10.078	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.160%#		
62) 4-Bromofluorobenzene	12.617	95	47150	9.936	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	19.880%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.039	85	19283	10.941	ug/l	98
3) Chloromethane	2.259	50	29583	10.879	ug/l	97
4) Vinyl Chloride	2.405	62	35737	11.008	ug/l	98
5) Bromomethane	2.826	94	26494	11.105	ug/l	90
6) Chloroethane	2.972	64	22994	10.728	ug/l	98
7) Trichlorofluoromethane	3.308	101	25472	10.479	ug/l	99
8) Diethyl Ether	3.722	74	22779	10.814	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.100	101	31968	10.965	ug/l	94
10) Methyl Iodide	4.307	142	43646	10.492	ug/l	98
11) Tert butyl alcohol	5.216	59	17352	55.962	ug/l #	80
12) 1,1-Dichloroethene	4.082	96	34142	10.786	ug/l	97
13) Acrolein	3.929	56	27390	54.429	ug/l	97
14) Allyl chloride	4.710	41	55724	10.423	ug/l	89
15) Acrylonitrile	5.405	53	56775	51.811	ug/l	99
16) Acetone	4.161	43	64630	56.980	ug/l	98
17) Carbon Disulfide	4.423	76	88918	10.296	ug/l	98
18) Methyl Acetate	4.716	43	33520	10.316	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	65224	10.462	ug/l	97
20) Methylene Chloride	4.960	84	59087	11.634	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	35963	10.262	ug/l	95
22) Diisopropyl ether	6.344	45	117148	10.536	ug/l #	94
23) Vinyl Acetate	6.283	43	372258	50.126	ug/l	98
24) 1,1-Dichloroethane	6.246	63	70852	10.489	ug/l	98
25) 2-Butanone	7.197	43	82281	53.263	ug/l	97
26) 2,2-Dichloropropane	7.191	77	36712	10.625	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	42849	10.178	ug/l	93
28) Bromochloromethane	7.532	49	33043	10.397	ug/l	87
29) Tetrahydrofuran	7.557	42	49488	50.941	ug/l	96
30) Chloroform	7.691	83	71607	10.453	ug/l	98
31) Cyclohexane	7.971	56	62233	10.792	ug/l #	93
32) 1,1,1-Trichloroethane	7.886	97	51138	10.534	ug/l	97
36) 1,1-Dichloropropene	8.099	75	49414	10.293	ug/l	98
37) Ethyl Acetate	7.276	43	33130	10.368	ug/l	99
38) Carbon Tetrachloride	8.087	117	46310	10.251	ug/l	94
39) Methylcyclohexane	9.343	83	56991	9.842	ug/l	92
40) Benzene	8.337	78	156957	10.431	ug/l	94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032314.D
Acq On : 01 Oct 2025 13:34
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:13:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.502	41	16618	9.650	ug/l		98
42)	1,2-Dichloroethane	8.416	62	52201	10.602	ug/l		99
43)	Isopropyl Acetate	8.441	43	56692	10.001	ug/l		98
44)	Trichloroethene	9.105	130	36599	10.387	ug/l		87
45)	1,2-Dichloropropane	9.374	63	38953	10.371	ug/l		100
46)	Dibromomethane	9.465	93	24036	10.407	ug/l		94
47)	Bromodichloromethane	9.654	83	54338	10.286	ug/l		99
48)	Methyl methacrylate	9.447	41	27343	9.921	ug/l		94
49)	1,4-Dioxane	9.465	88	6100	193.232	ug/l	#	64
51)	4-Methyl-2-Pentanone	10.215	43	170455	51.916	ug/l		98
52)	Toluene	10.392	92	95076	10.146	ug/l		99
53)	t-1,3-Dichloropropene	10.611	75	50624	9.878	ug/l		99
54)	cis-1,3-Dichloropropene	10.081	75	59970	10.158	ug/l		97
55)	1,1,2-Trichloroethane	10.794	97	32248	10.447	ug/l		95
56)	Ethyl methacrylate	10.648	69	42126	9.750	ug/l		93
57)	1,3-Dichloropropane	10.934	76	57249	10.501	ug/l		99
58)	2-Chloroethyl Vinyl ether	9.928	63	104587	45.484	ug/l		95
59)	2-Hexanone	10.971	43	118088	50.996	ug/l		98
60)	Dibromochloromethane	11.129	129	34371	9.806	ug/l		97
61)	1,2-Dibromoethane	11.233	107	31025	10.308	ug/l		97
64)	Tetrachloroethene	10.867	164	30629	10.851	ug/l		95
65)	Chlorobenzene	11.660	112	107554	10.362	ug/l		95
66)	1,1,1,2-Tetrachloroethane	11.733	131	33104	10.240	ug/l		97
67)	Ethyl Benzene	11.733	91	175582	10.149	ug/l		95
68)	m/p-Xylenes	11.837	106	135895	20.370	ug/l		98
69)	o-Xylene	12.166	106	62715	10.052	ug/l		98
70)	Styrene	12.178	104	107824	9.899	ug/l		99
71)	Bromoform	12.349	173	19572	10.562	ug/l	#	92
73)	Isopropylbenzene	12.464	105	152894	9.234	ug/l		99
74)	N-amyl acetate	12.269	43	49718	9.412	ug/l		99
75)	1,1,2,2-Tetrachloroethane	12.714	83	41991	10.213	ug/l		100
76)	1,2,3-Trichloropropane	12.763	75	31741m	9.939	ug/l		
77)	Bromobenzene	12.745	156	38105	9.547	ug/l		84
78)	n-propylbenzene	12.800	91	194851	9.421	ug/l		97
79)	2-Chlorotoluene	12.891	91	124638	9.855	ug/l		98
80)	1,3,5-Trimethylbenzene	12.940	105	135870	9.490	ug/l		97
81)	trans-1,4-Dichloro-2-b...	12.513	75	11399	9.067	ug/l		91
82)	4-Chlorotoluene	12.989	91	132770	9.874	ug/l		99
83)	tert-Butylbenzene	13.202	119	113595	9.669	ug/l		99
84)	1,2,4-Trimethylbenzene	13.245	105	139474	9.580	ug/l		98
85)	sec-Butylbenzene	13.379	105	171153	9.533	ug/l		99
86)	p-Isopropyltoluene	13.495	119	139064	9.335	ug/l		99
87)	1,3-Dichlorobenzene	13.495	146	79860	9.881	ug/l		94
88)	1,4-Dichlorobenzene	13.574	146	80973	10.019	ug/l		98
89)	n-Butylbenzene	13.818	91	136393	9.378	ug/l		99
90)	Hexachloroethane	14.086	117	25898	9.699	ug/l		98
91)	1,2-Dichlorobenzene	13.867	146	74980	10.262	ug/l		94
92)	1,2-Dibromo-3-Chloropr...	14.482	75	6955	9.662	ug/l		87
93)	1,2,4-Trichlorobenzene	15.129	180	40772	9.306	ug/l		95
94)	Hexachlorobutadiene	15.226	225	20605	10.287	ug/l		96
95)	Naphthalene	15.360	128	92896	8.829	ug/l		99
96)	1,2,3-Trichlorobenzene	15.555	180	39577	9.584	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032314.D
Acq On : 01 Oct 2025 13:34
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:13:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

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

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

ICAL Form

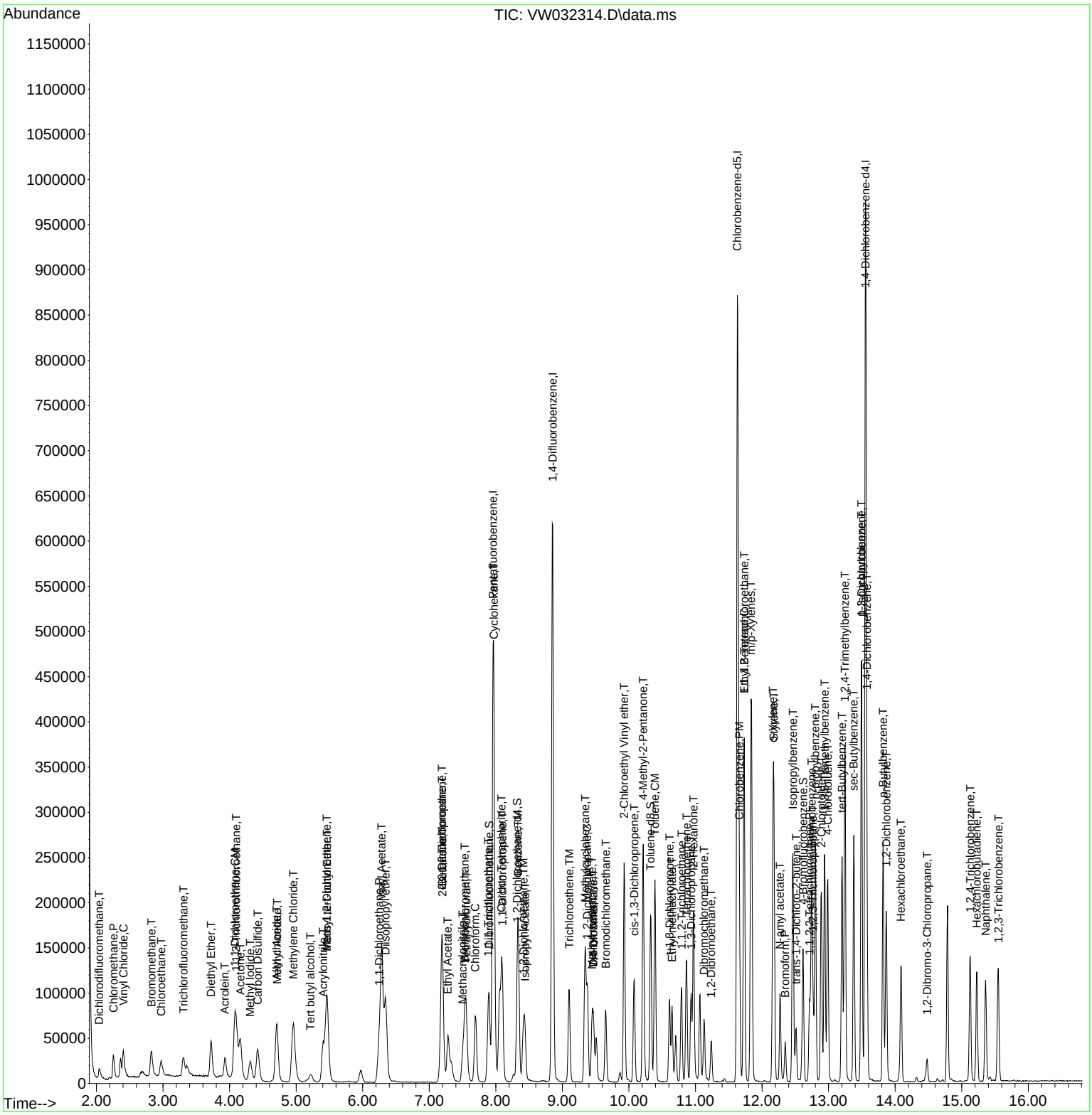
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032314.D
Acq On : 01 Oct 2025 13:34
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

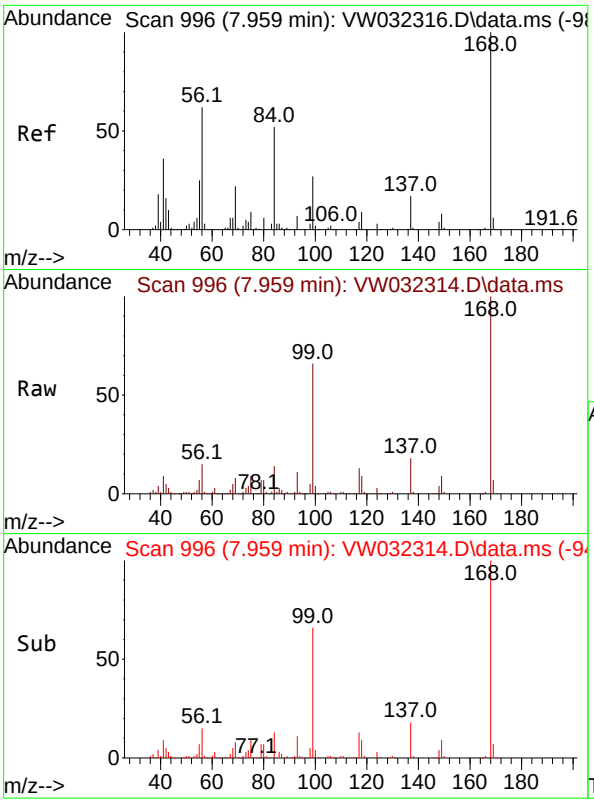
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Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

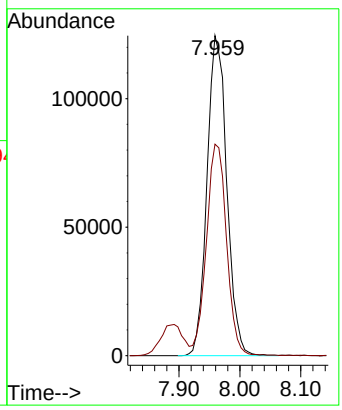




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:168 Resp: 28085

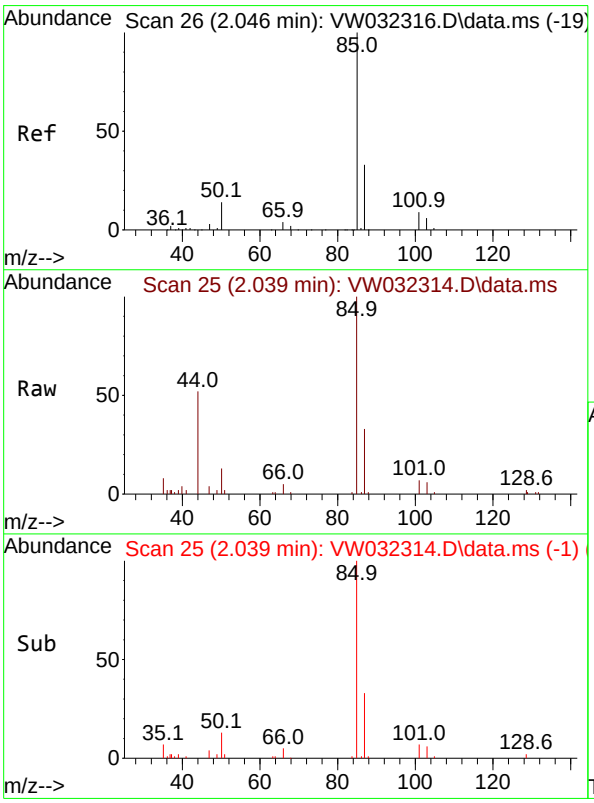
Ion	Ratio	Lower	Upper
168	100		
99	66.0	49.3	73.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

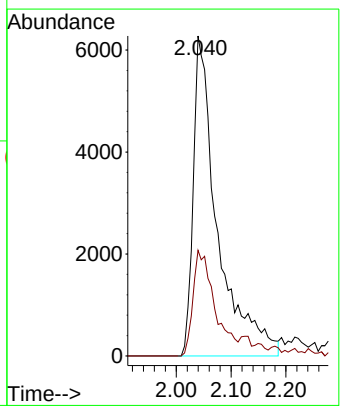
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

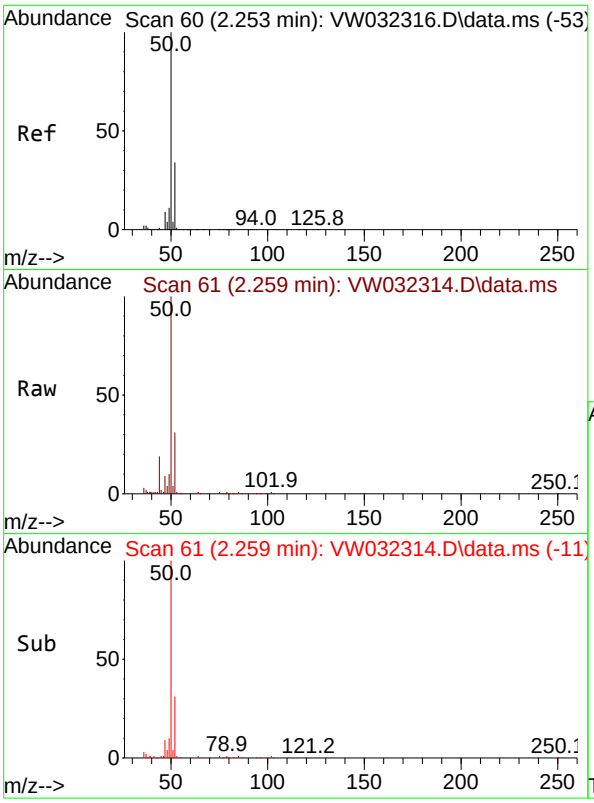


#2
Dichlorodifluoromethane
Concen: 10.941 ug/l
RT: 2.039 min Scan# 25
Delta R.T. -0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 85 Resp: 19283

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.2	51.6





#3
Chloromethane
Concen: 10.879 ug/l
RT: 2.259 min Scan# 6
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

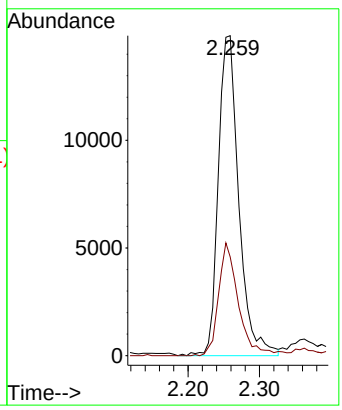
Tgt Ion: 50 Resp: 2958

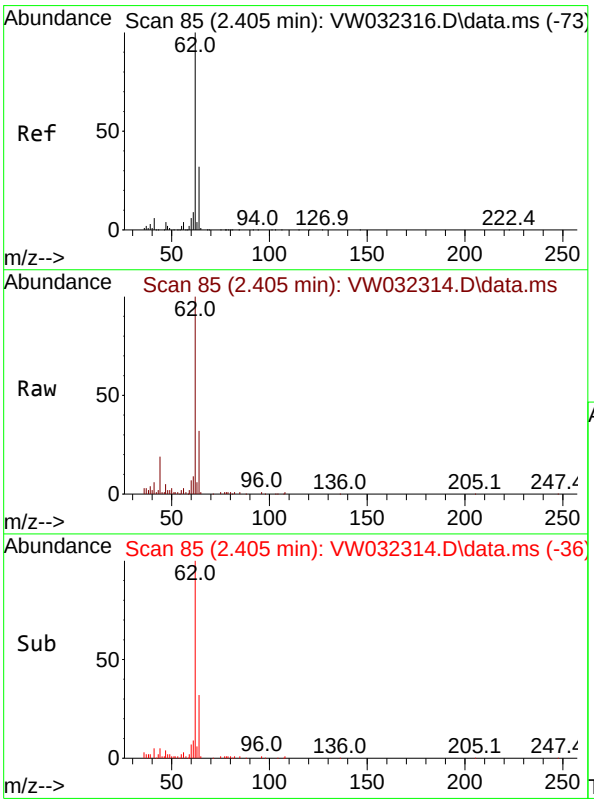
Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.1	39.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

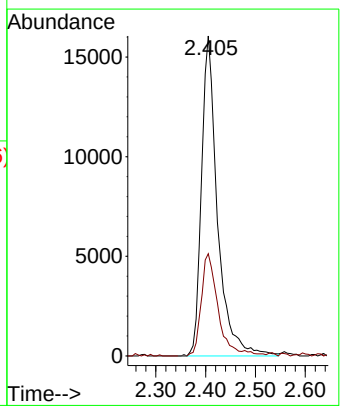


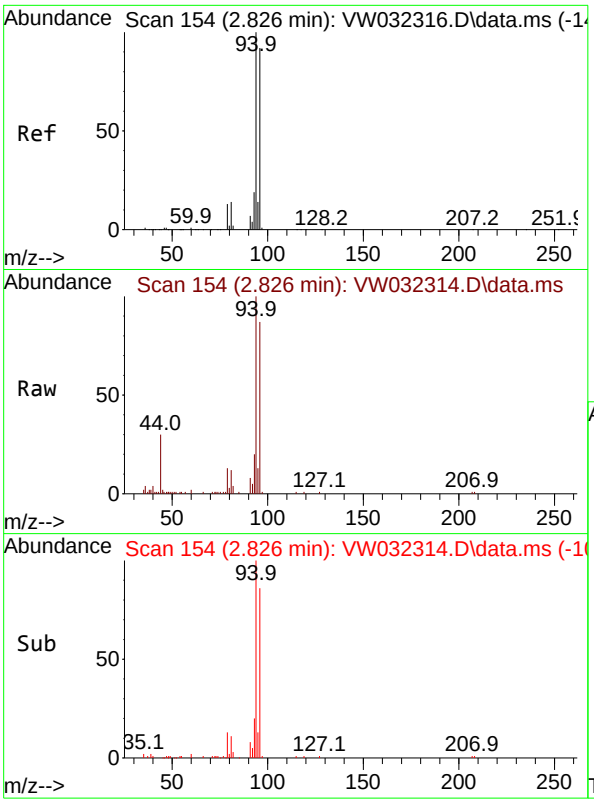


#4
Vinyl Chloride
Concen: 11.008 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 62 Resp: 35737

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.8	37.2





#5
Bromomethane
Concen: 11.105 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

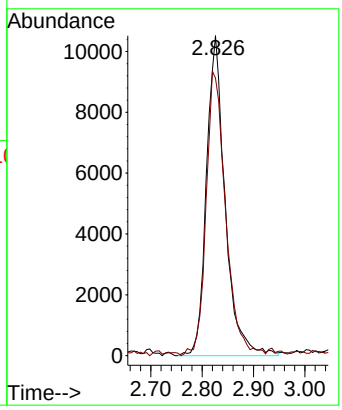
Tgt Ion: 94 Resp: 2649

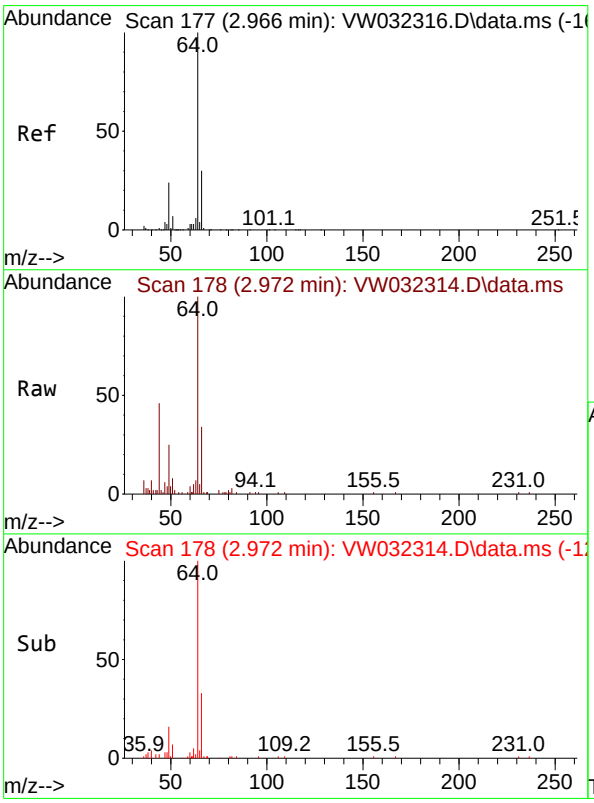
Ion	Ratio	Lower	Upper
94	100		
96	85.9	76.6	115.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

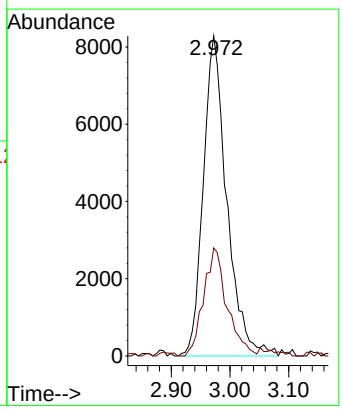


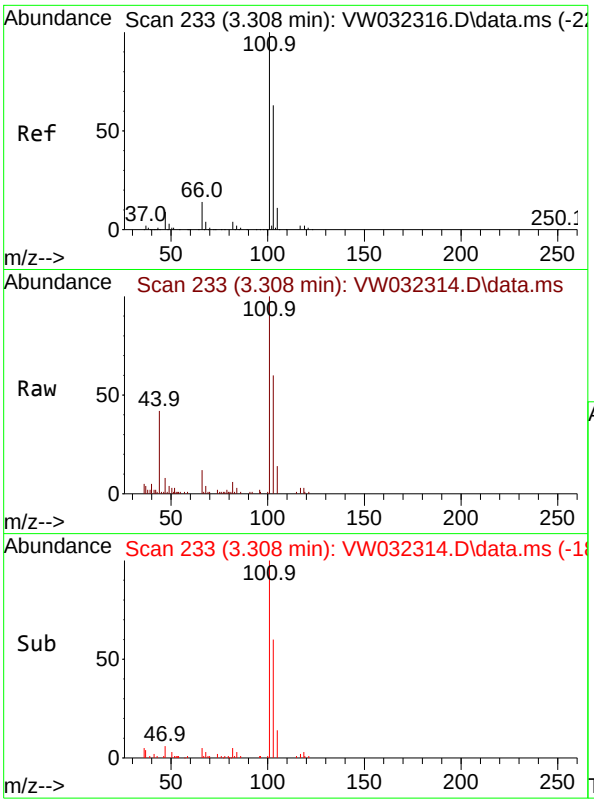


#6
Chloroethane
Concen: 10.728 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 64 Resp: 22994

Ion	Ratio	Lower	Upper
64	100		
66	33.7	26.2	39.4





#7
Trichlorofluoromethane
Concen: 10.479 ug/l
RT: 3.308 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

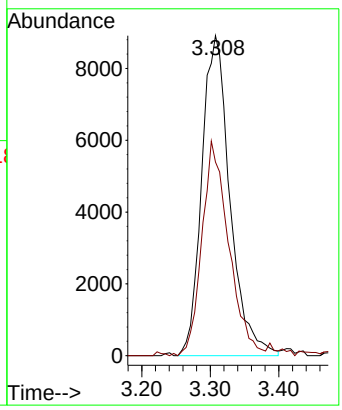
Tgt Ion:101 Resp: 2547

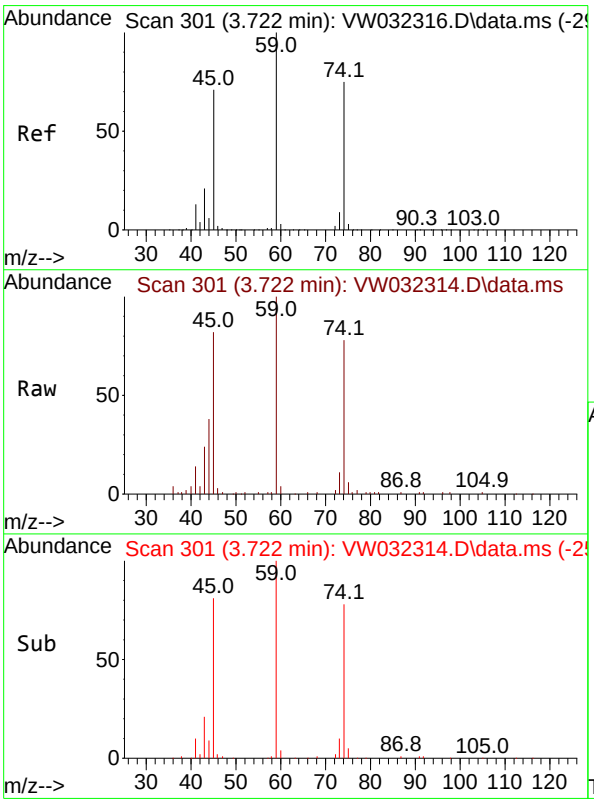
Ion	Ratio	Lower	Upper
101	100		
103	60.5	47.8	71.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

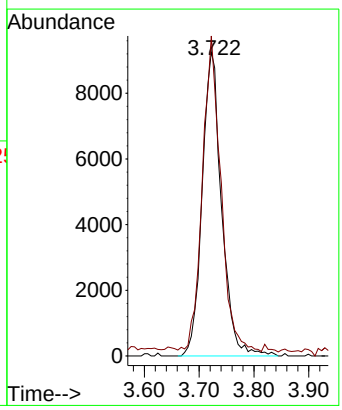


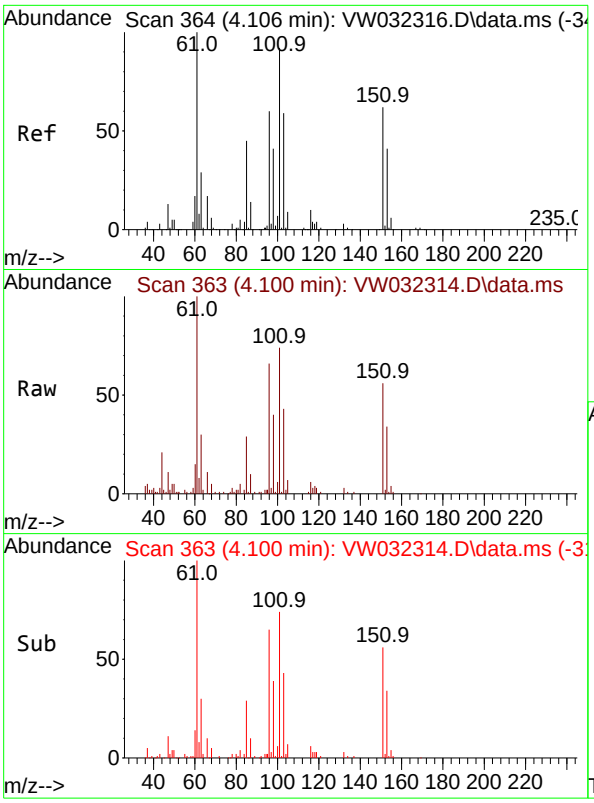


#8
Diethyl Ether
Concen: 10.814 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 74 Resp: 22779

Ion	Ratio	Lower	Upper
74	100		
45	98.9	43.1	129.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.965 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

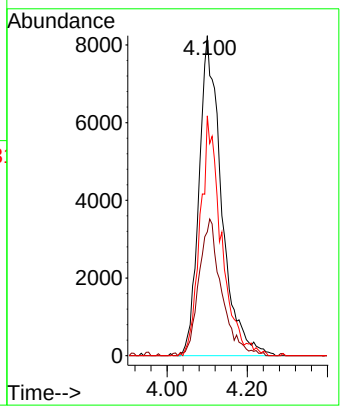
Tgt Ion:101 Resp: 3196

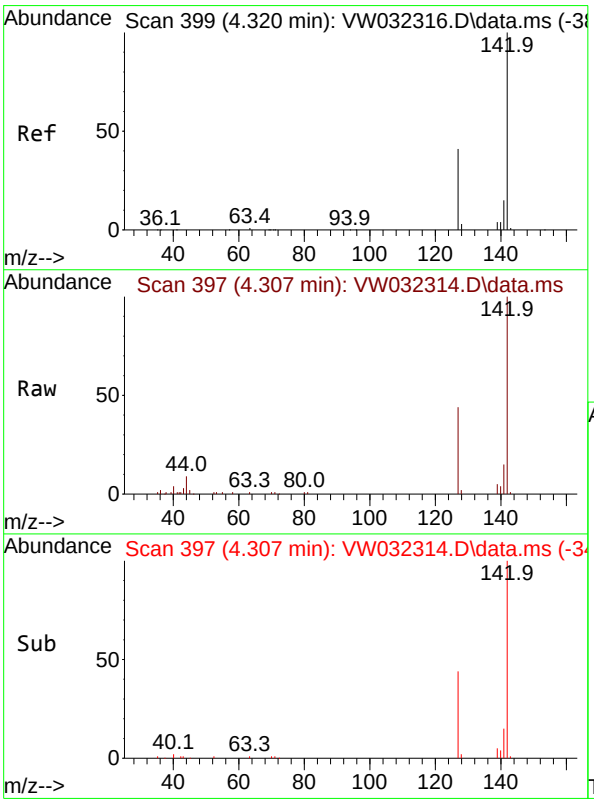
Ion	Ratio	Lower	Upper
101	100		
85	43.1	37.1	55.7
151	70.9	61.5	92.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

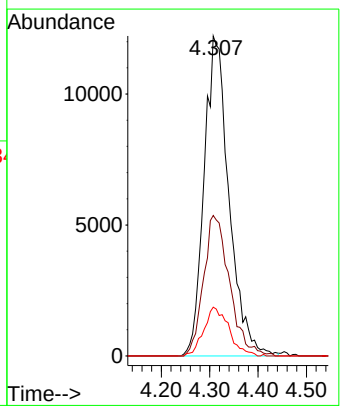


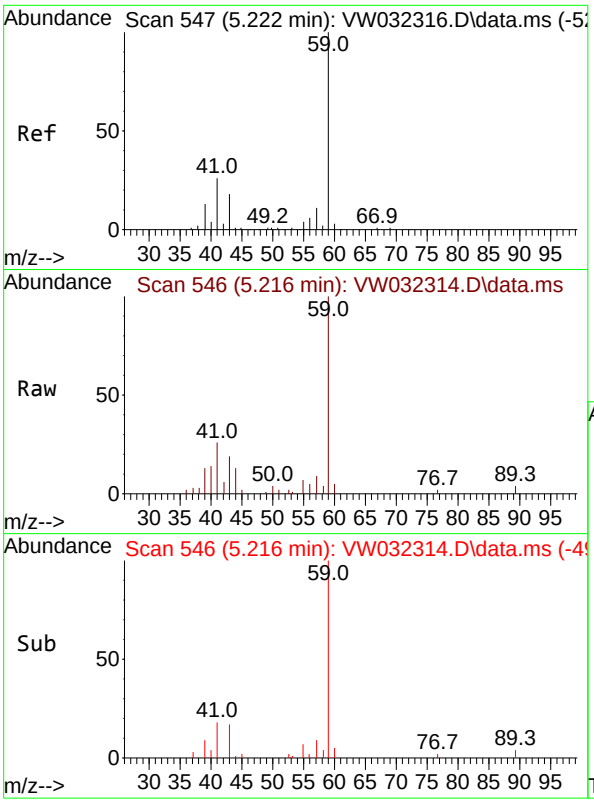


#10
Methyl Iodide
Concen: 10.492 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:142 Resp: 43646

Ion	Ratio	Lower	Upper
142	100		
127	45.9	38.2	57.2
141	15.4	12.2	18.2

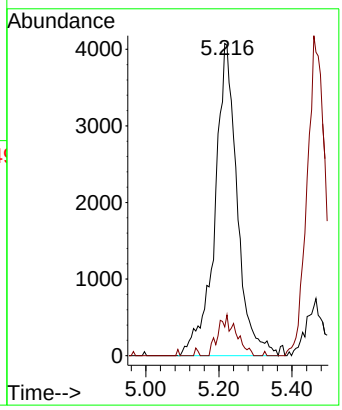




#11
Tert butyl alcohol
Concen: 55.962 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 59 Resp: 1735

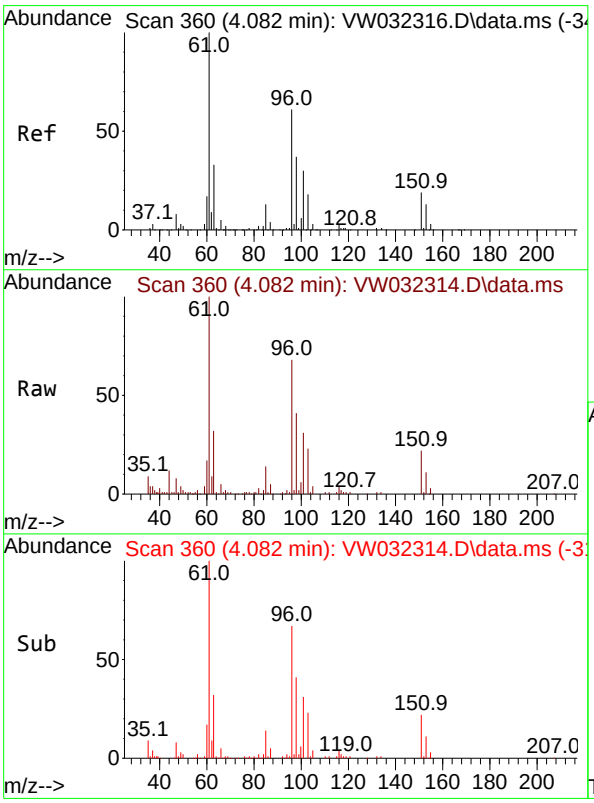
Ion	Ratio	Lower	Upper
59	100		
57	4.4	9.8	14.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

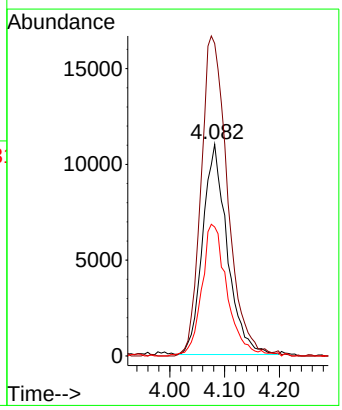
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

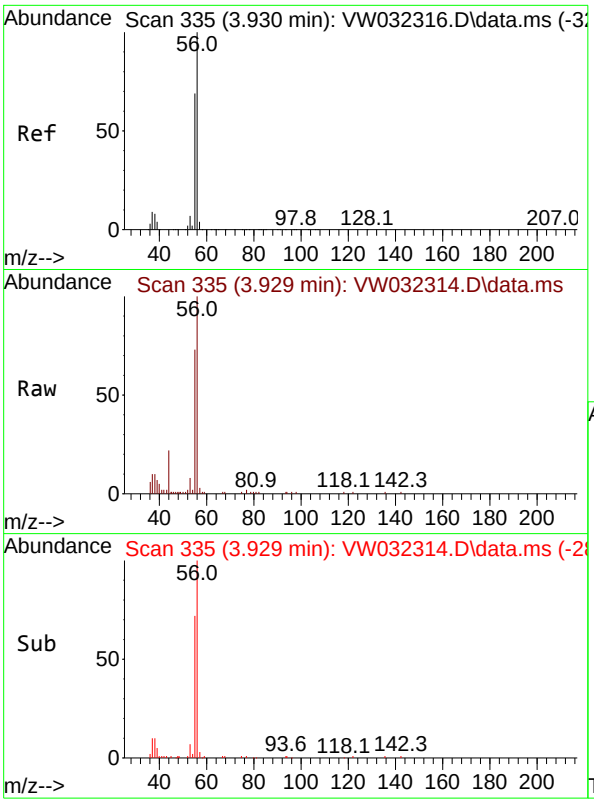


#12
1,1-Dichloroethene
Concen: 10.786 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 96 Resp: 34142

Ion	Ratio	Lower	Upper
96	100		
61	148.1	123.0	184.4
98	60.3	48.5	72.7

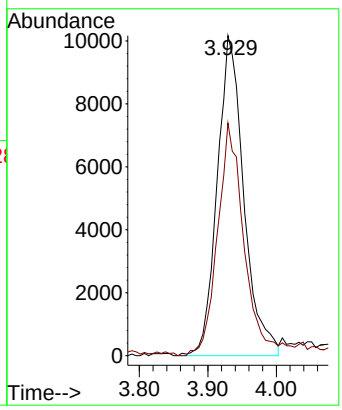




#13
Acrolein
Concen: 54.429 ug/l
RT: 3.929 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 56 Resp: 2739

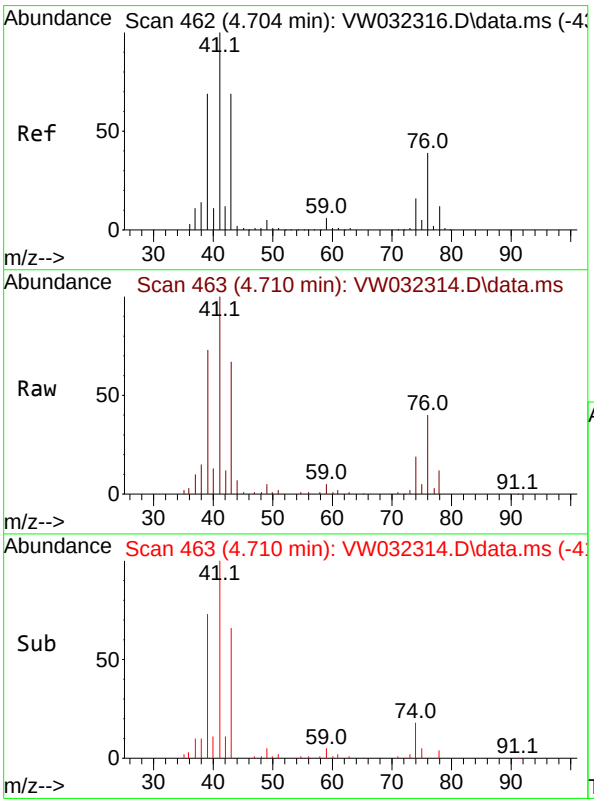
Ion	Ratio	Lower	Upper
56	100		
55	72.9	56.4	84.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

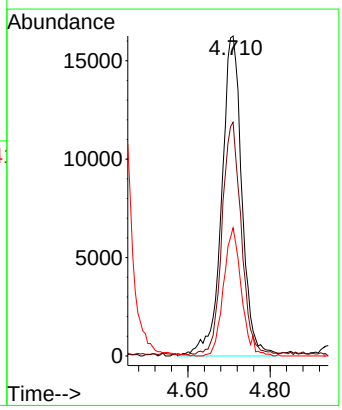
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

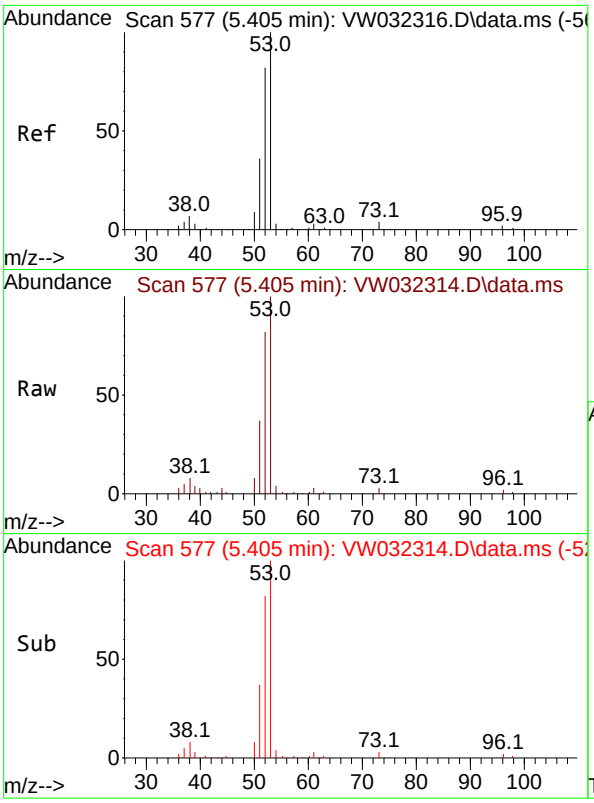


#14
Allyl chloride
Concen: 10.423 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 41 Resp: 55724

Ion	Ratio	Lower	Upper
41	100		
39	68.4	64.1	96.1
76	35.2	31.4	47.2

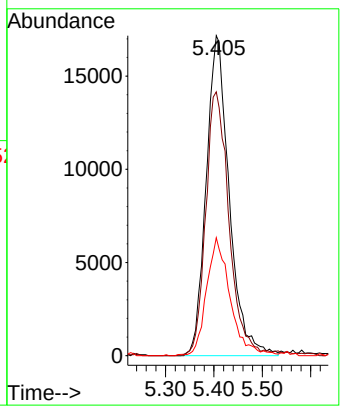




#15
Acrylonitrile
Concen: 51.811 ug/l
RT: 5.405 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 53 Resp: 5677

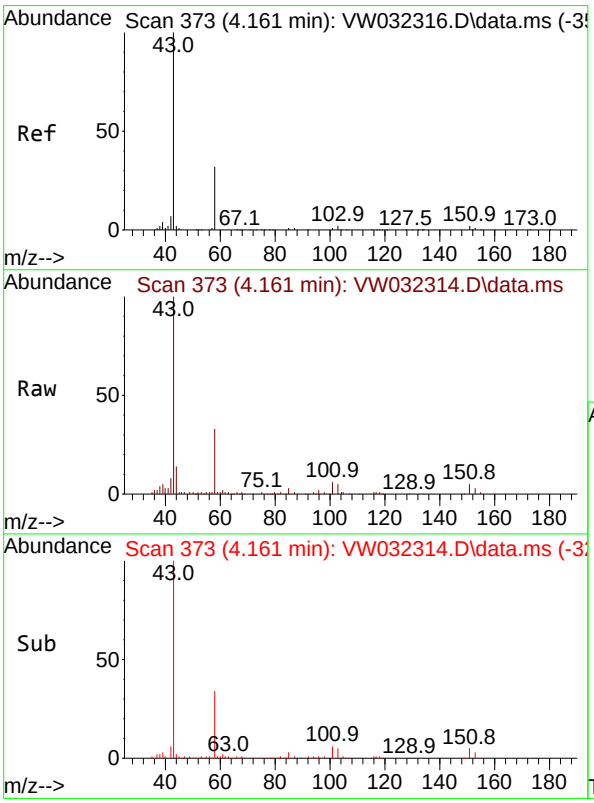
Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.4	101.2
51	37.9	30.3	45.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

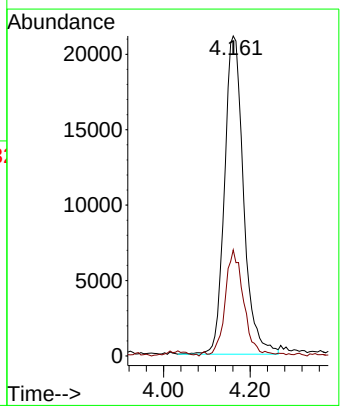
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

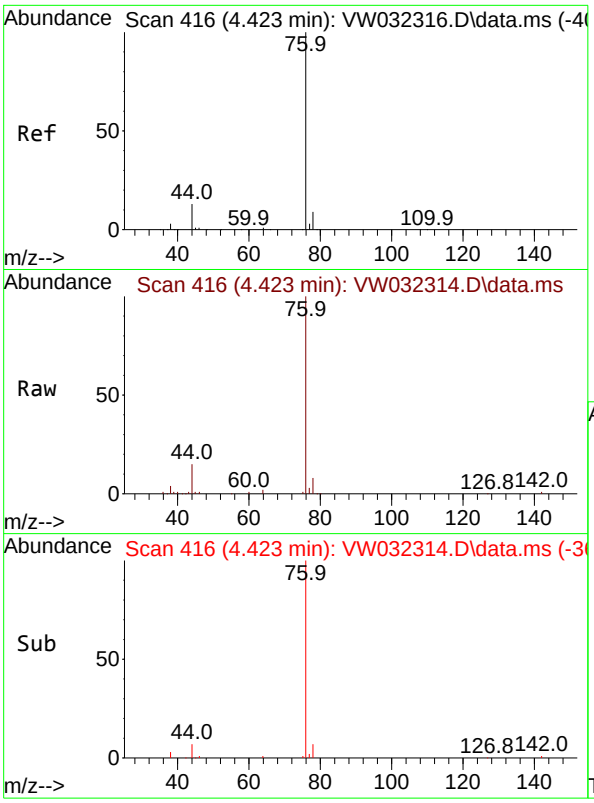


#16
Acetone
Concen: 56.980 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 43 Resp: 64630

Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.3	37.9

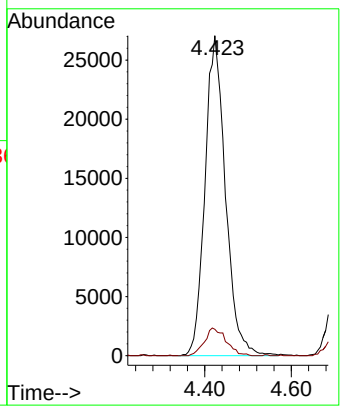




#17
Carbon Disulfide
Concen: 10.296 ug/l
RT: 4.423 min Scan# 4
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 76 Resp: 8891

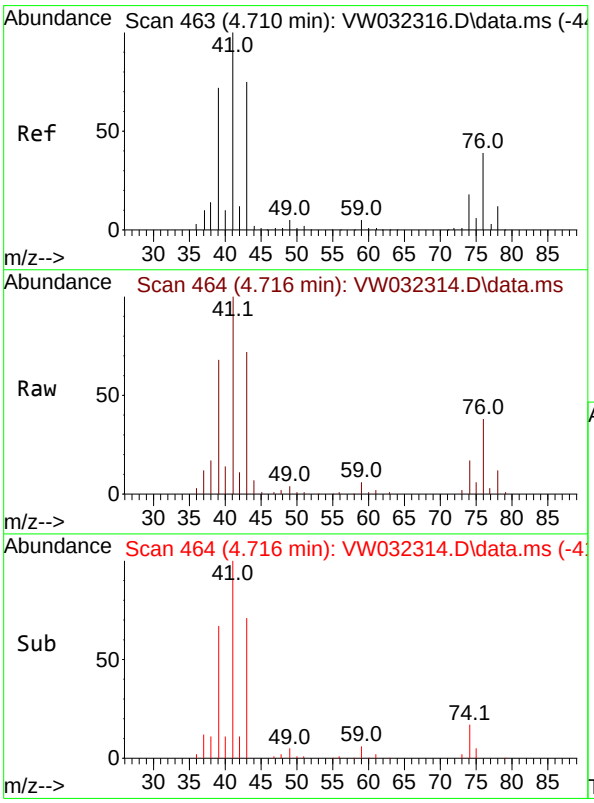
Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.0	10.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

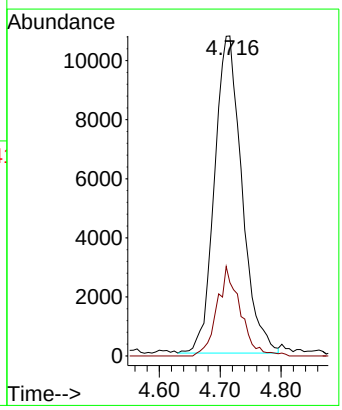
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

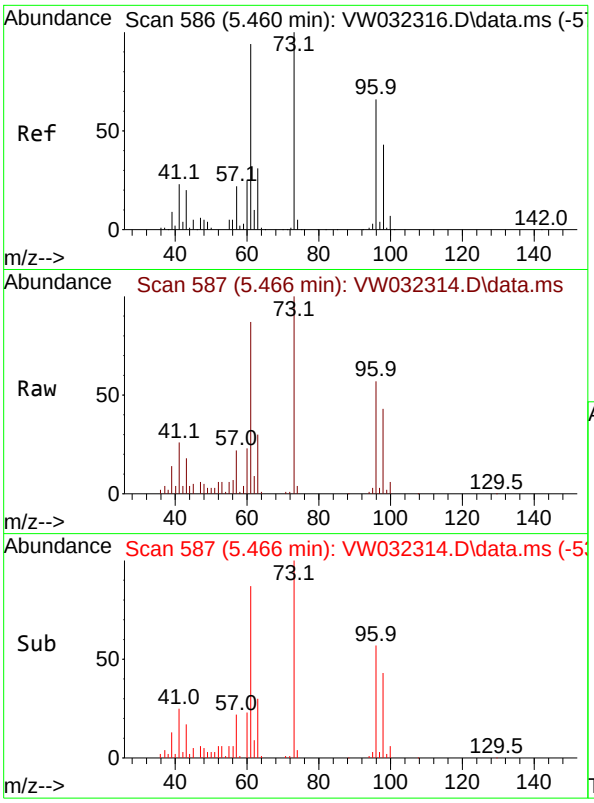


#18
Methyl Acetate
Concen: 10.316 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 43 Resp: 33520

Ion	Ratio	Lower	Upper
43	100		
74	24.1	20.2	30.4

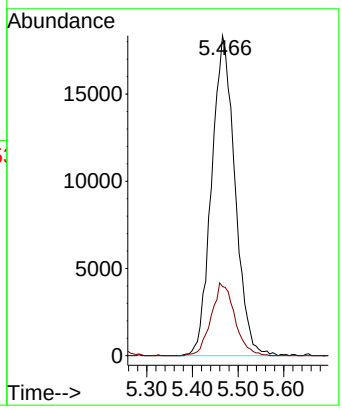




#19
Methyl tert-butyl Ether
Concen: 10.462 ug/l
RT: 5.466 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 73 Resp: 6522

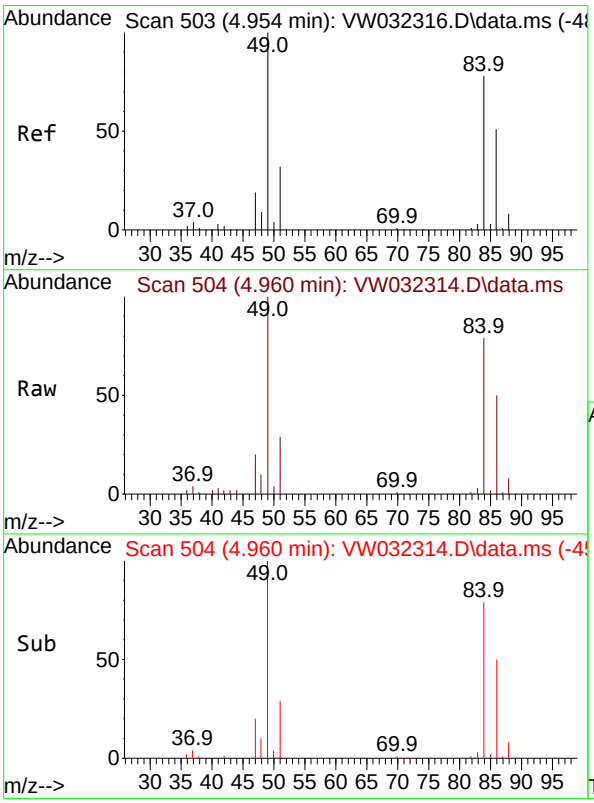
Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.2	24.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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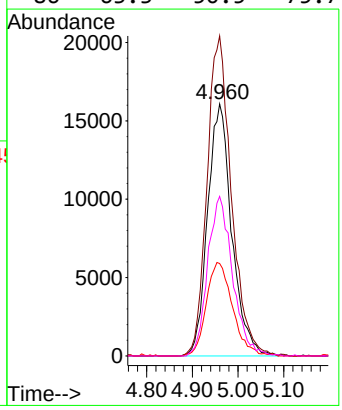
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

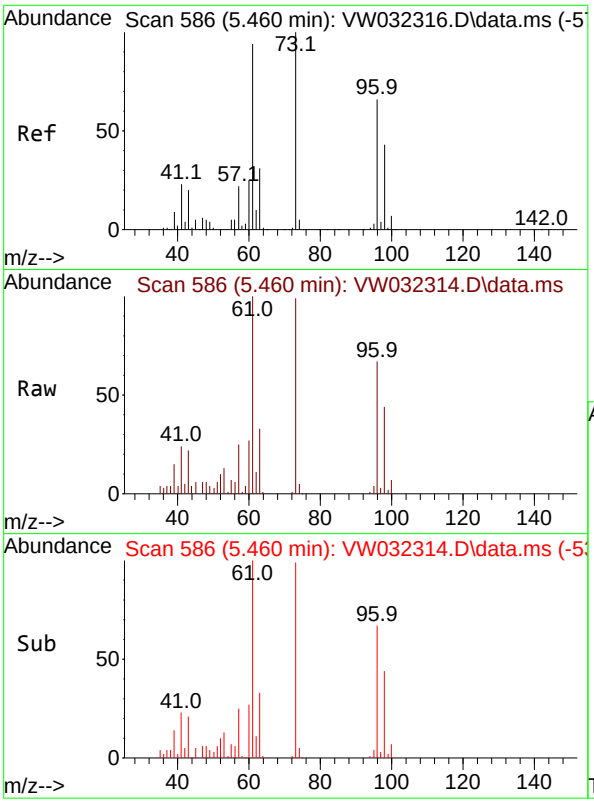


#20
Methylene Chloride
Concen: 11.634 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 84 Resp: 59087

Ion	Ratio	Lower	Upper
84	100		
49	126.9	92.2	138.4
51	36.7	31.0	46.6
86	63.3	50.5	75.7

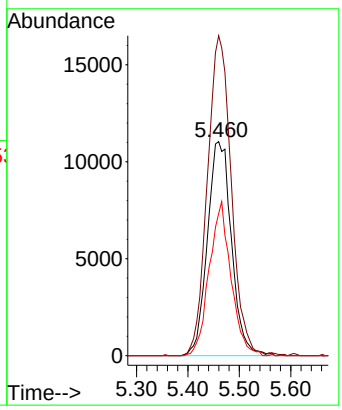




#21
trans-1,2-Dichloroethene
Concen: 10.262 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 96 Resp: 3596

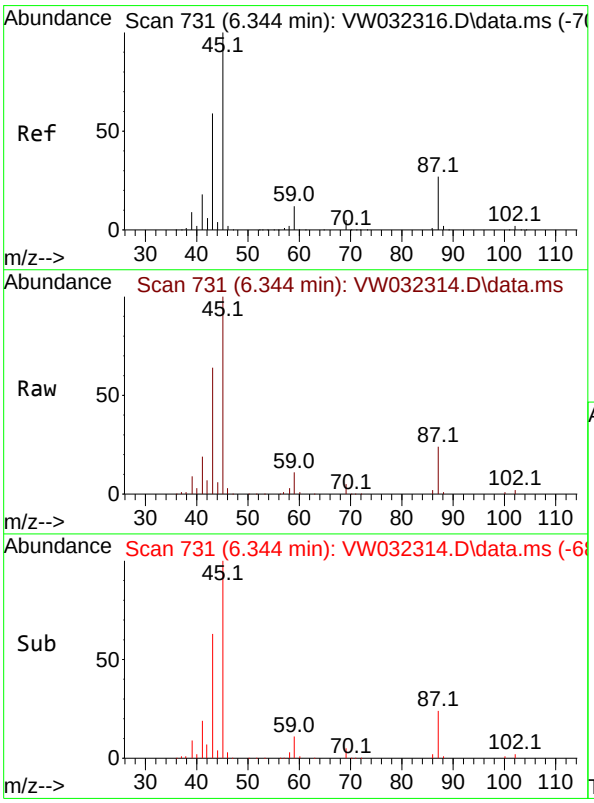
Ion	Ratio	Lower	Upper
96	100		
61	149.5	112.5	168.7
98	66.4	54.2	81.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

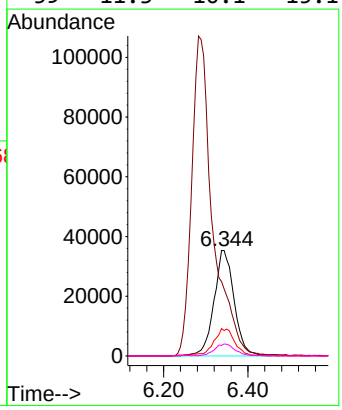
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

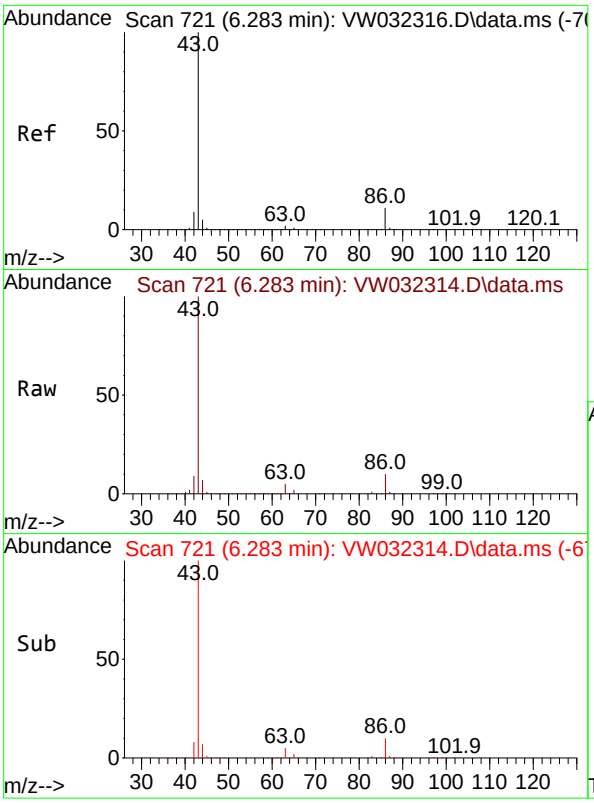


#22
Diisopropyl ether
Concen: 10.536 ug/l
RT: 6.344 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 45 Resp: 117148

Ion	Ratio	Lower	Upper
45	100		
43	62.3	51.4	77.2
87	24.2	25.9	38.9#
59	11.3	10.1	15.1

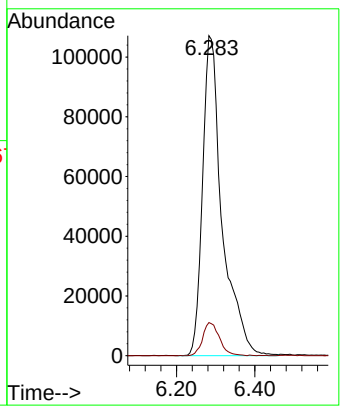




#23
Vinyl Acetate
Concen: 50.126 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 43 Resp: 37225

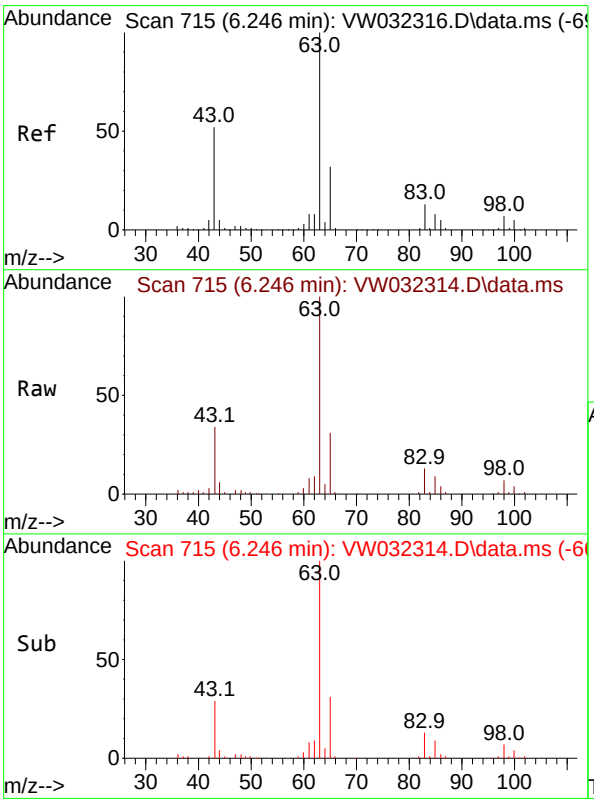
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.8	13.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

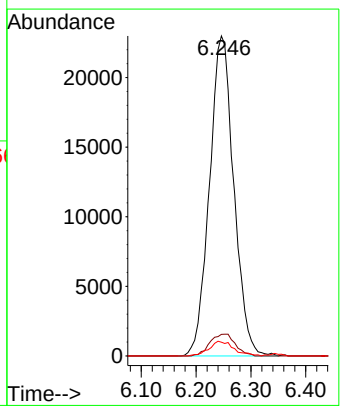
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

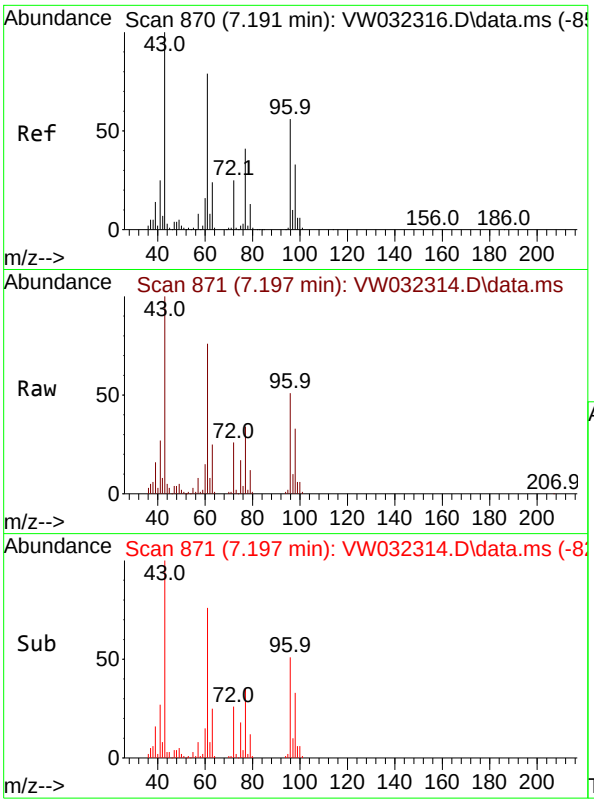


#24
1,1-Dichloroethane
Concen: 10.489 ug/l
RT: 6.246 min Scan# 715
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 63 Resp: 70852

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.8	11.2
100	4.3	2.5	7.5





#25
2-Butanone
Concen: 53.263 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

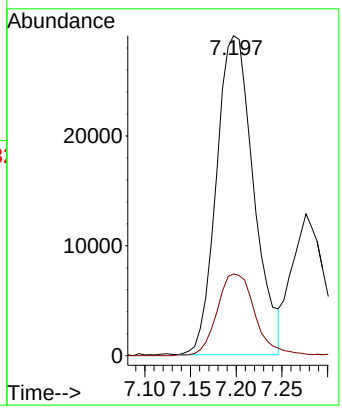
Tgt Ion: 43 Resp: 8228

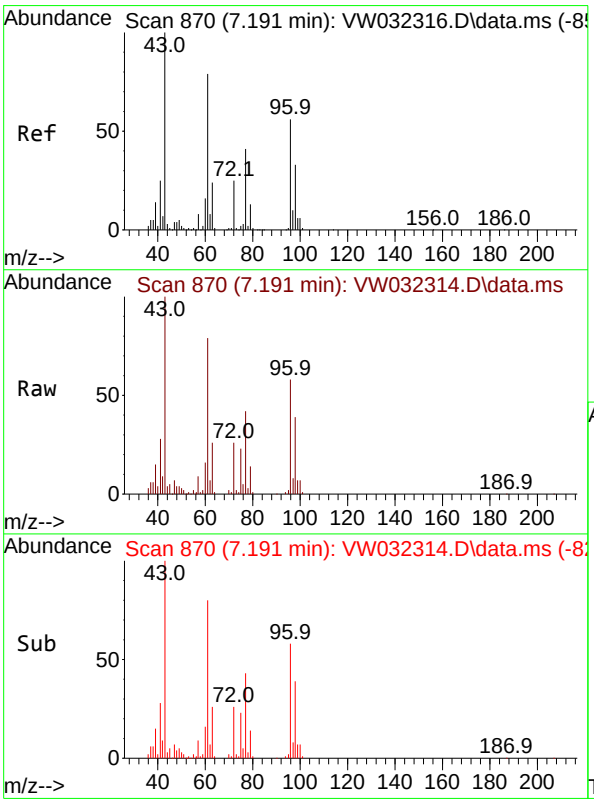
Ion	Ratio	Lower	Upper
43	100		
72	25.4	21.4	32.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

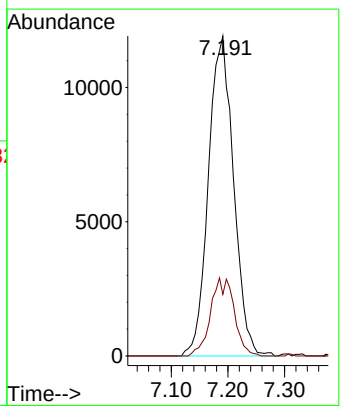


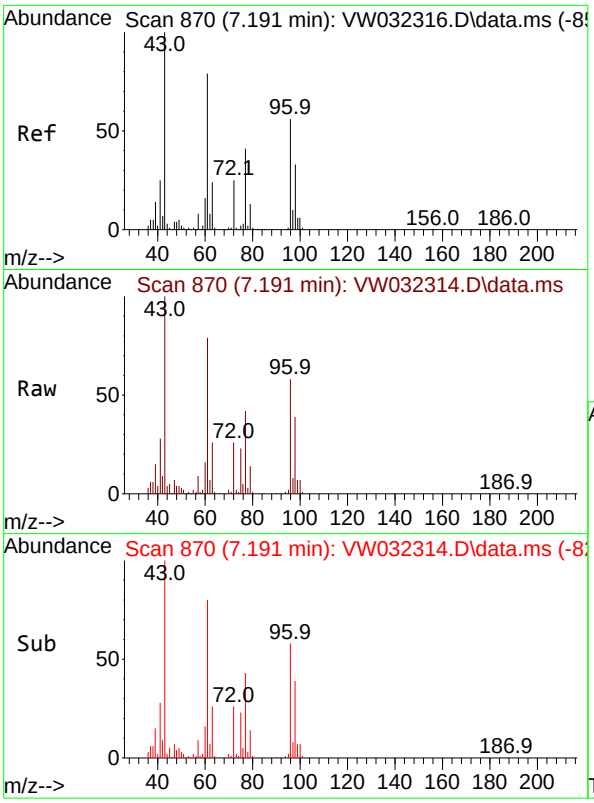


#26
2,2-Dichloropropane
Concen: 10.625 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 77 Resp: 36712

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.9	35.5

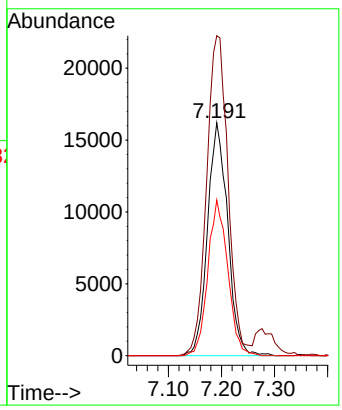




#27
cis-1,2-Dichloroethene
Concen: 10.178 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 96 Resp: 4284

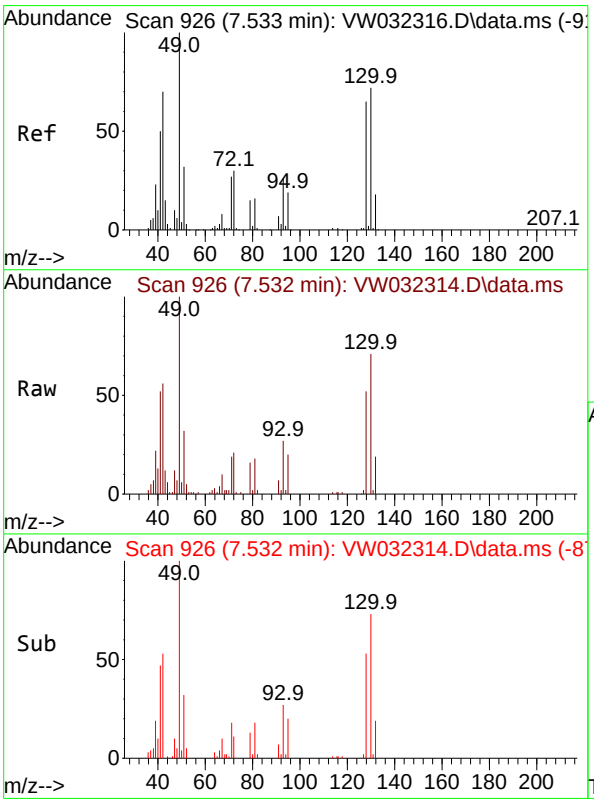
Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	268.0
98	65.9	0.0	130.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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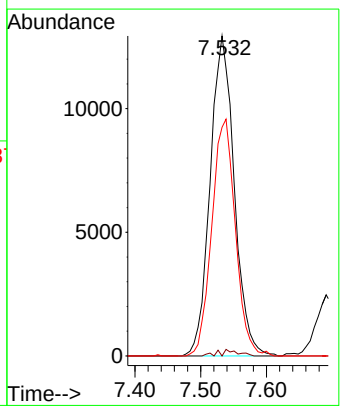
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

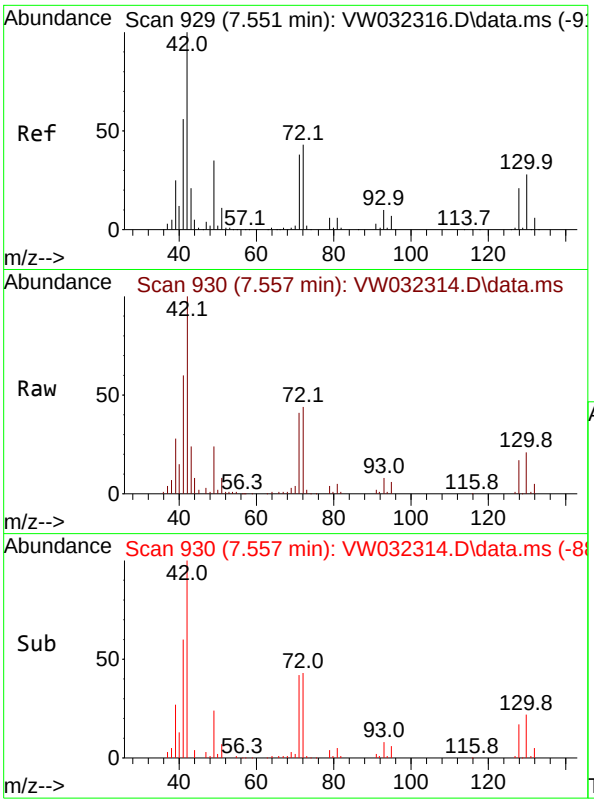


#28
Bromochloromethane
Concen: 10.397 ug/l
RT: 7.532 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 49 Resp: 33043

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.2
130	72.4	67.5	101.3





#29
Tetrahydrofuran
Concen: 50.941 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

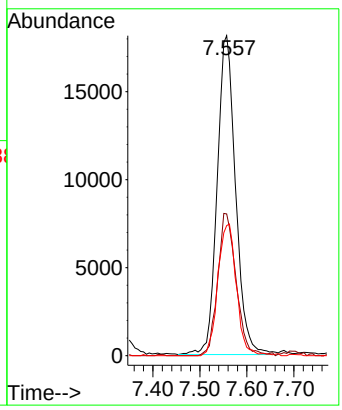
Tgt Ion: 42 Resp: 4948

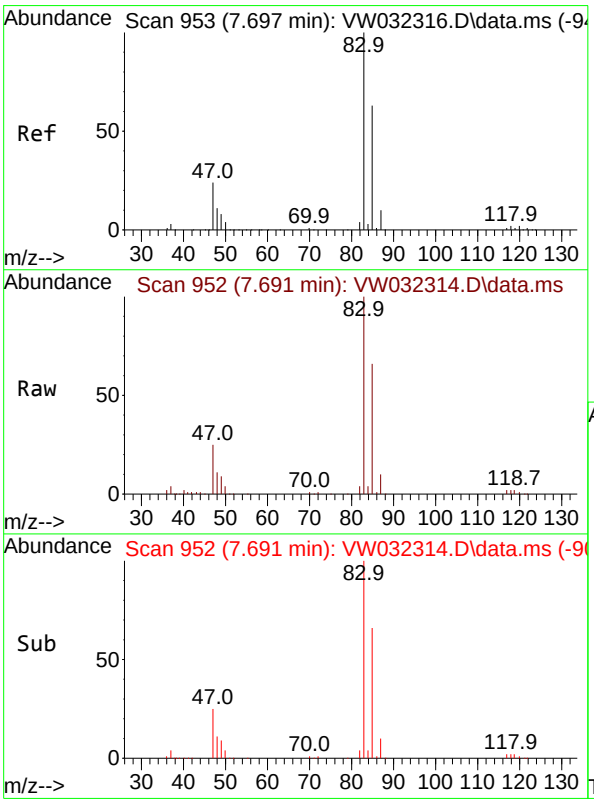
Ion	Ratio	Lower	Upper
42	100		
72	44.8	37.4	56.2
71	41.5	36.0	54.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

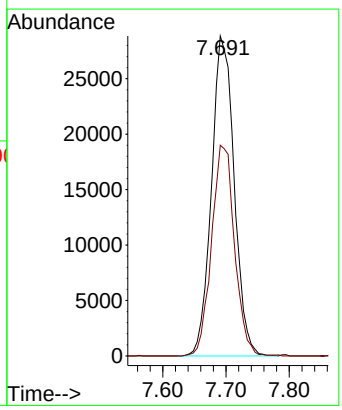


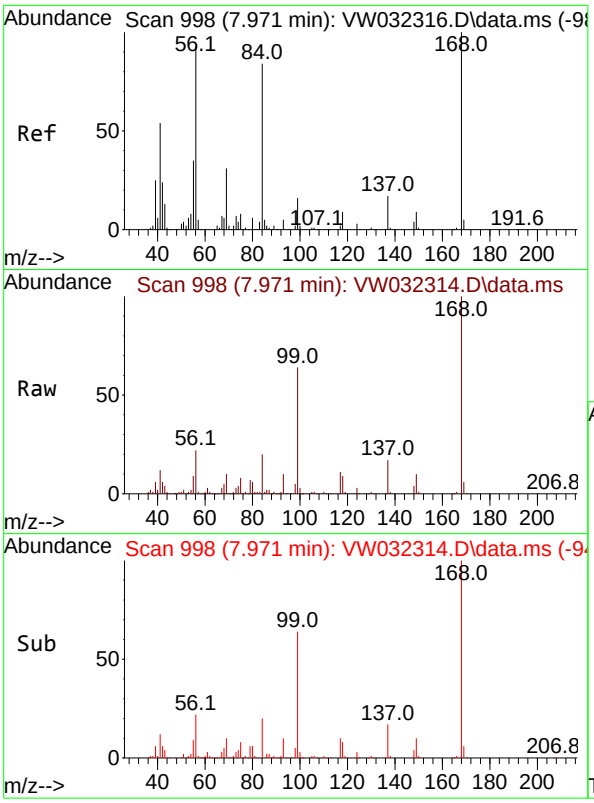


#30
Chloroform
Concen: 10.453 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 83 Resp: 71607

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.2	76.8





#31
Cyclohexane
Concen: 10.792 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

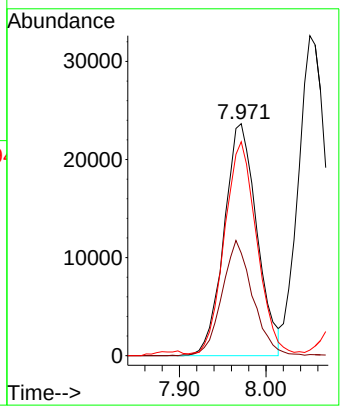
Tgt Ion: 56 Resp: 6223

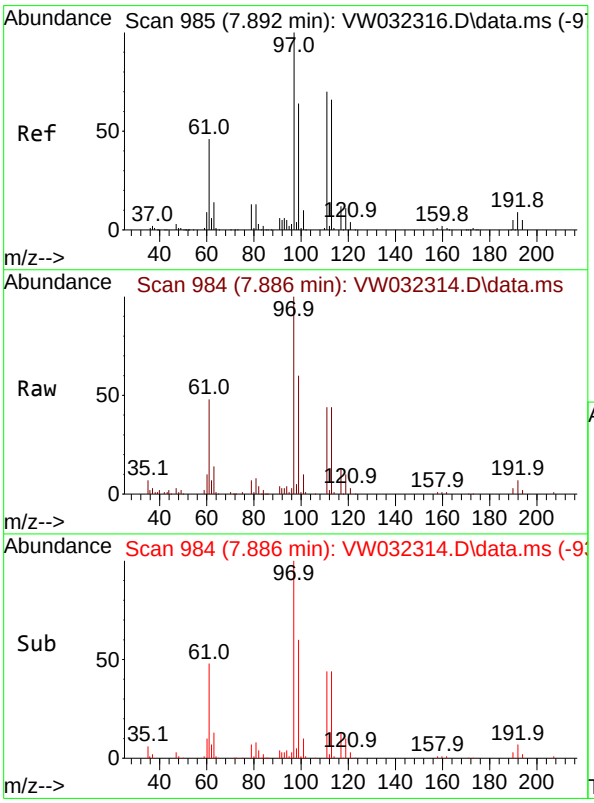
Ion	Ratio	Lower	Upper
56	100		
69	44.2	27.7	41.5
84	90.2	74.6	112.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

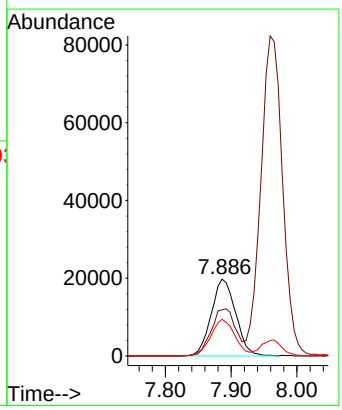


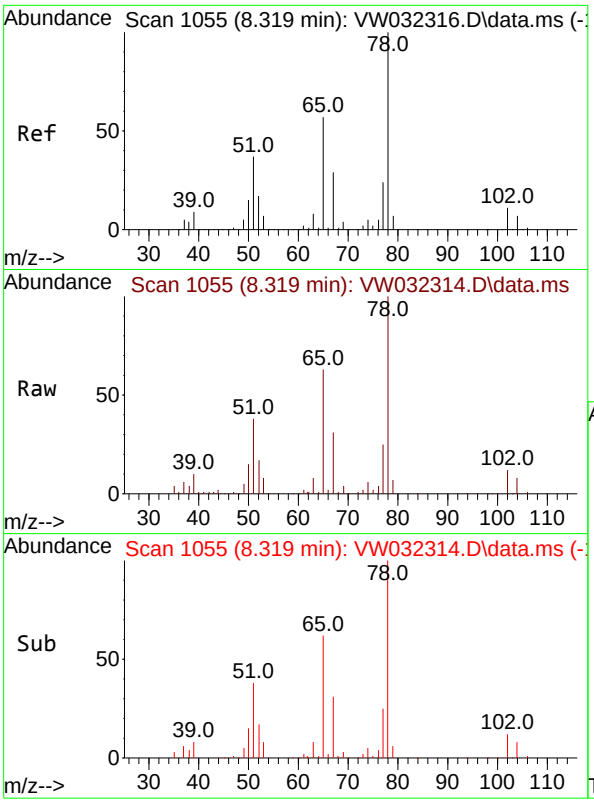


#32
1,1,1-Trichloroethane
Concen: 10.534 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 97 Resp: 51138

Ion	Ratio	Lower	Upper
97	100		
99	60.9	50.9	76.3
61	46.6	36.2	54.4

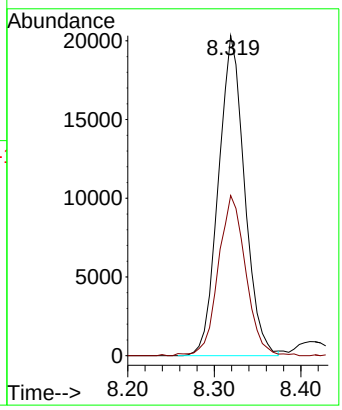




#33
1,2-Dichloroethane-d4
Concen: 10.398 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 65 Resp: 4259

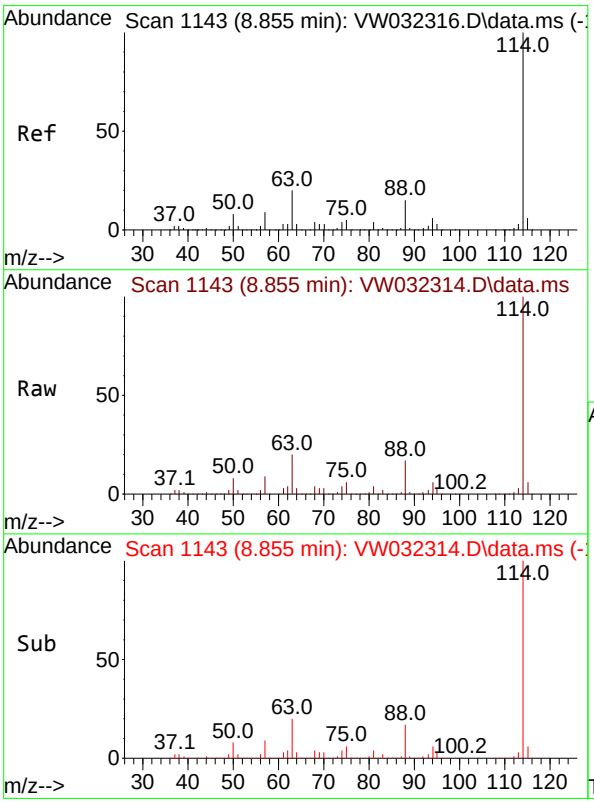
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	99.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

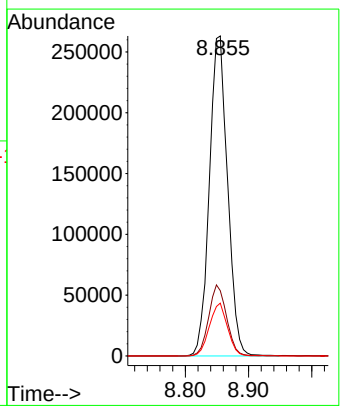
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

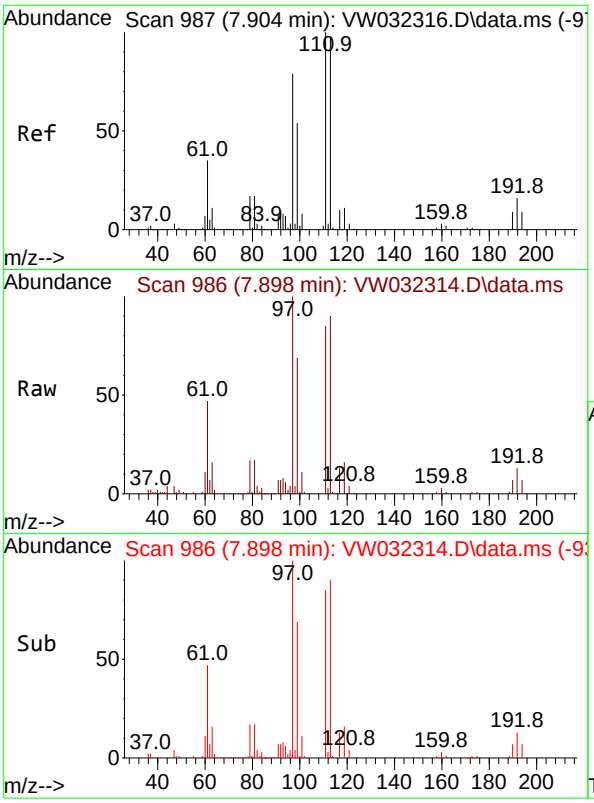


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:114 Resp: 525265

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.4
88	16.5	0.0	32.0

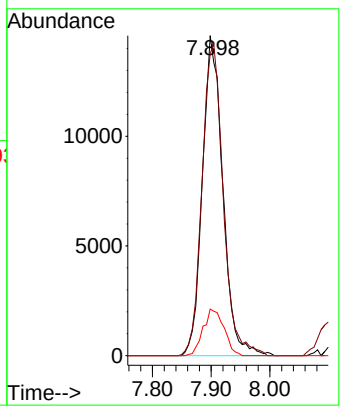




#35
Dibromofluoromethane
Concen: 10.357 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:113 Resp: 3523

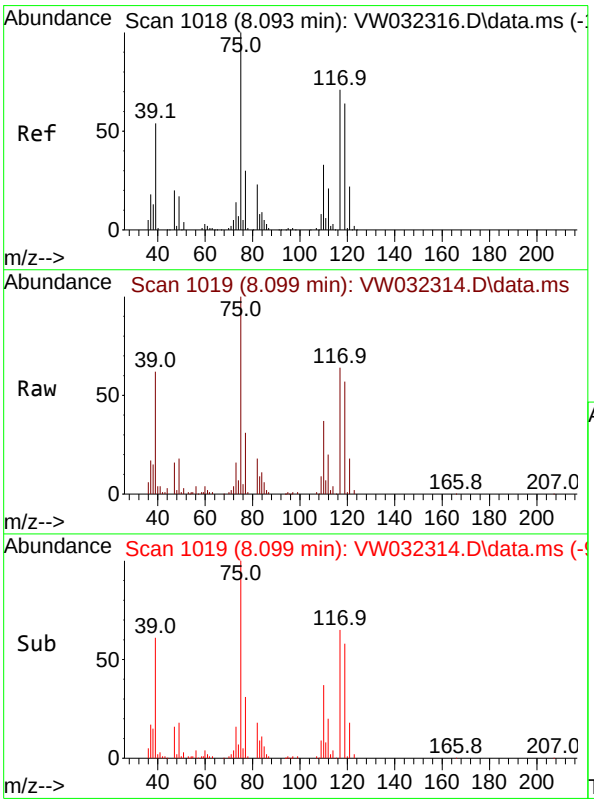
Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.9	125.9
192	14.9	14.6	21.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

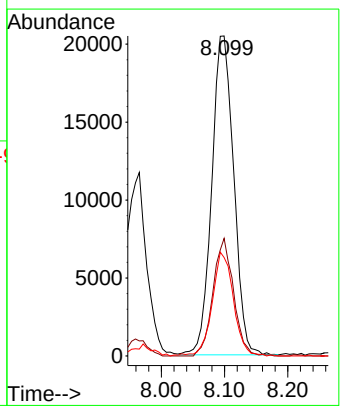
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

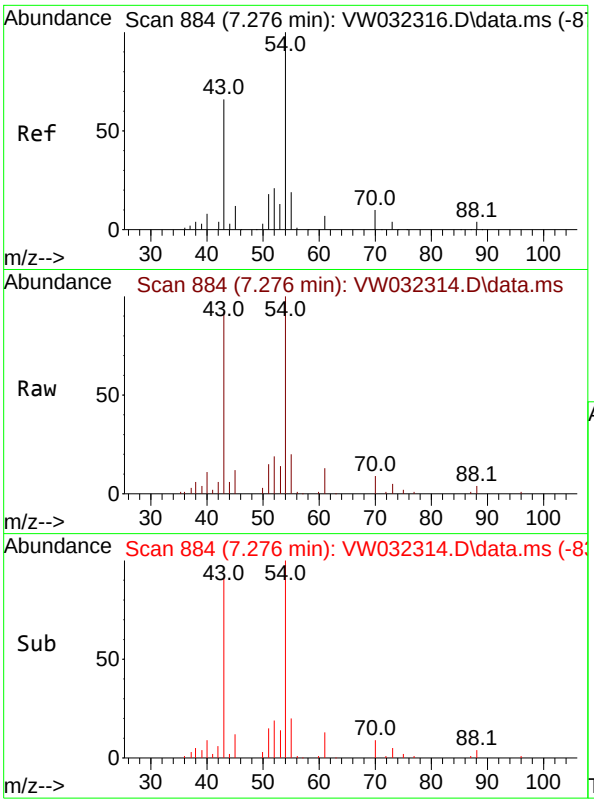


#36
1,1-Dichloropropene
Concen: 10.293 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 75 Resp: 49414

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.5	52.5
77	31.4	24.1	36.1





#37
Ethyl Acetate
Concen: 10.368 ug/l
RT: 7.276 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

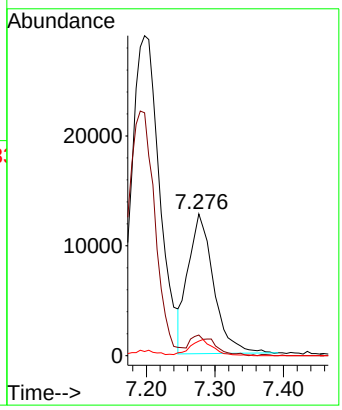
Tgt Ion: 43 Resp: 3313

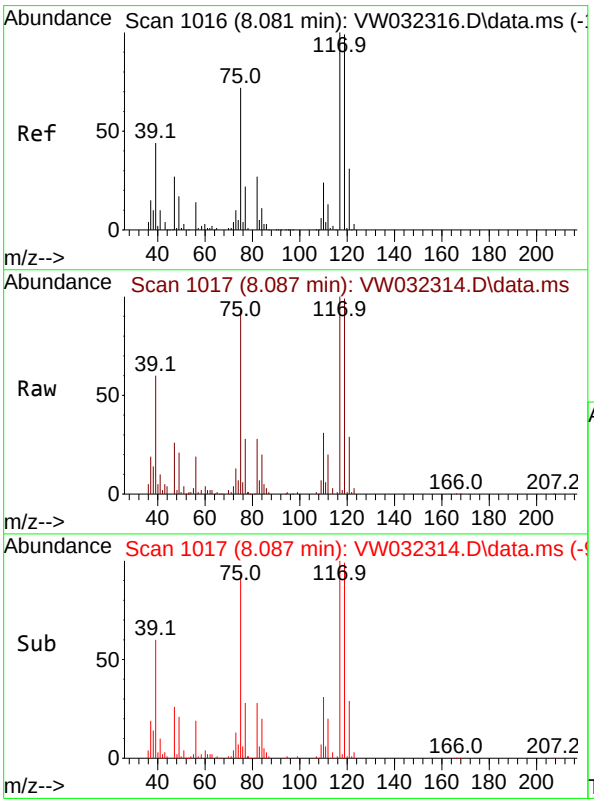
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.3	16.9
70	10.5	8.9	13.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

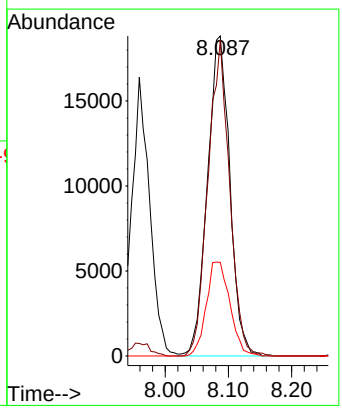


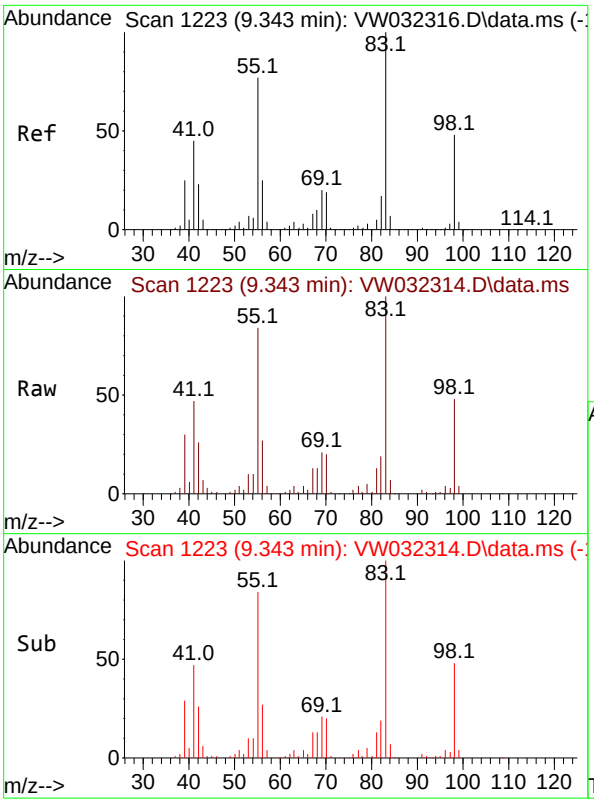


#38
Carbon Tetrachloride
Concen: 10.251 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:117 Resp: 46310

Ion	Ratio	Lower	Upper
117	100		
119	98.7	74.2	111.2
121	29.2	25.6	38.4

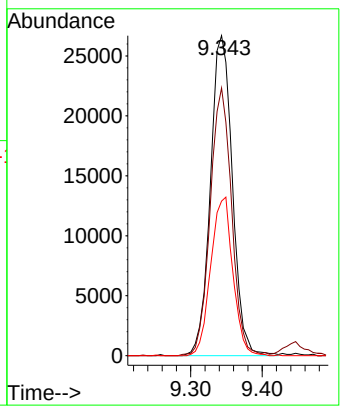




#39
Methylcyclohexane
Concen: 9.842 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 83 Resp: 5699

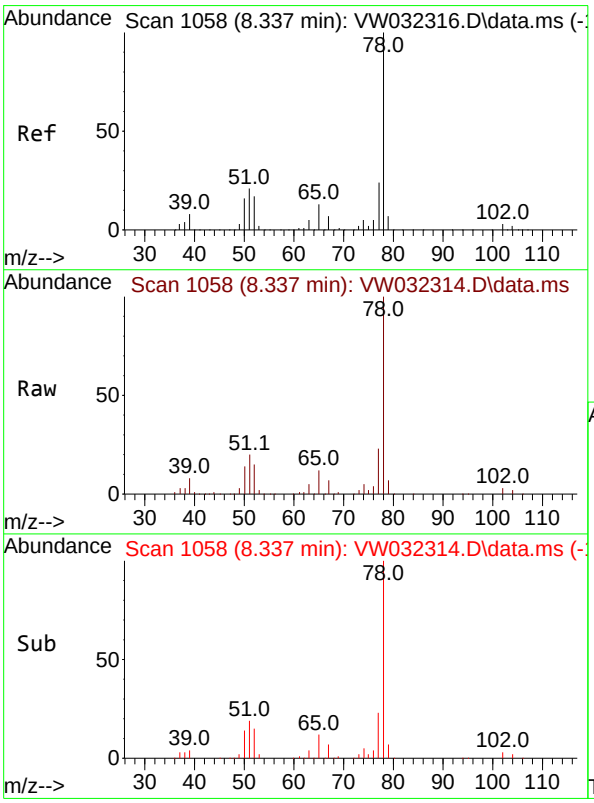
Ion	Ratio	Lower	Upper
83	100		
55	83.6	58.4	87.6
98	48.3	39.4	59.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

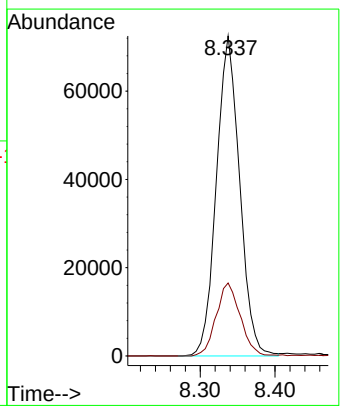
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

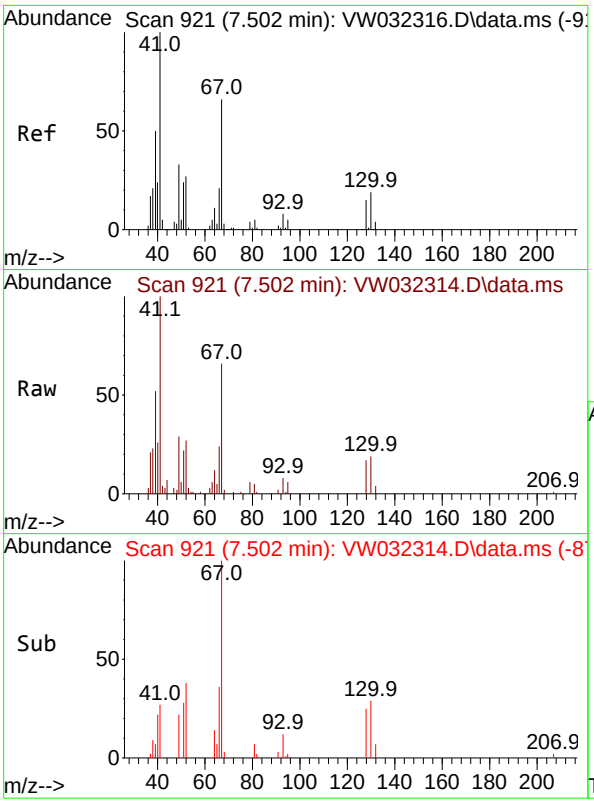


#40
Benzene
Concen: 10.431 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 78 Resp: 156957

Ion	Ratio	Lower	Upper
78	100		
77	22.8	20.7	31.1

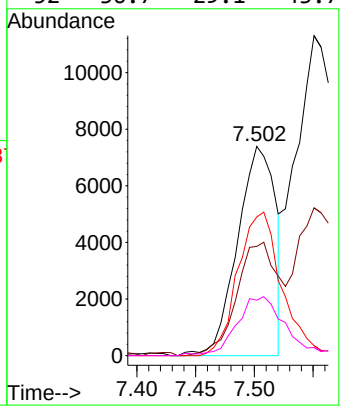




#41
Methacrylonitrile
Concen: 9.650 ug/l
RT: 7.502 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 41 Resp: 1661

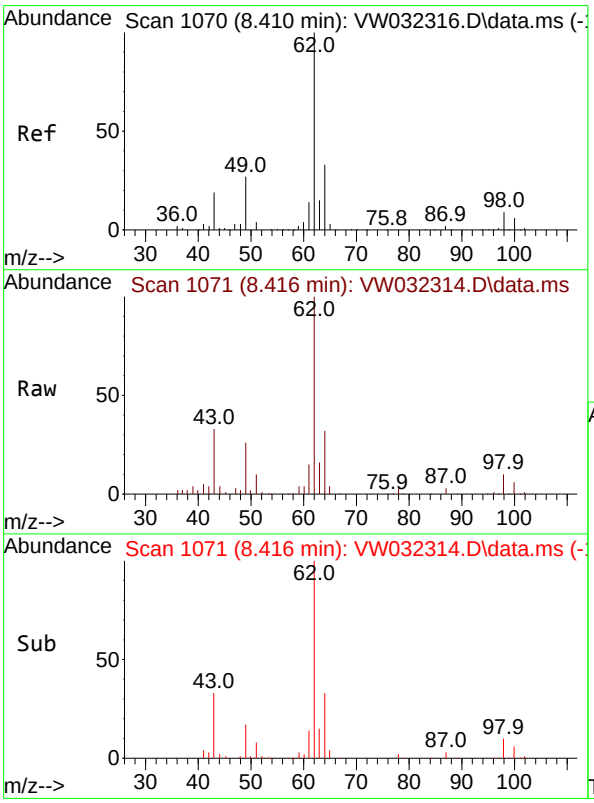
Ion	Ratio	Lower	Upper
41	100		
39	60.4	50.9	76.3
67	80.4	65.6	98.4
52	36.7	29.1	43.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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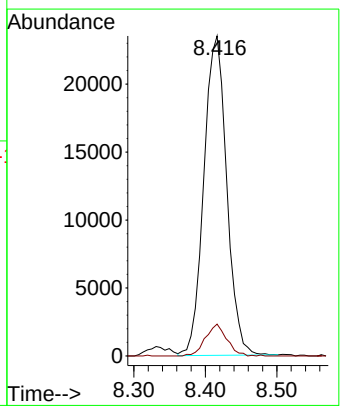
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

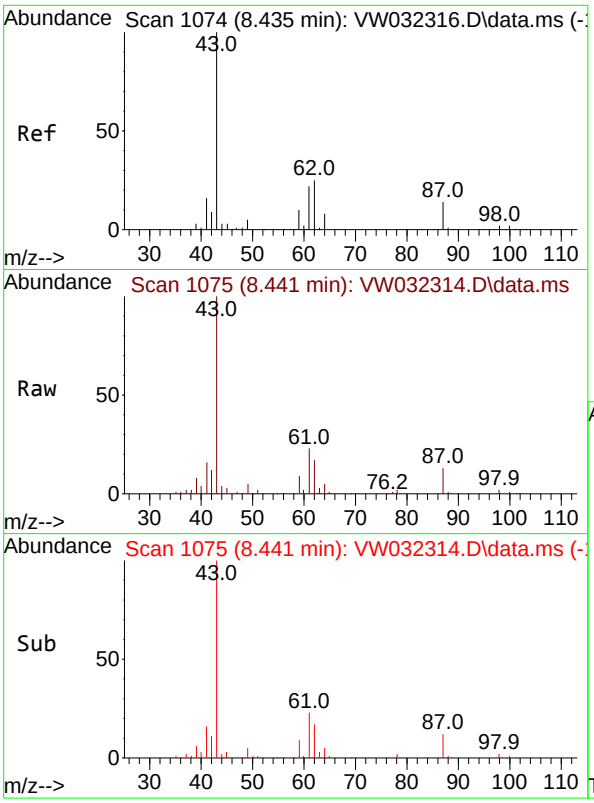


#42
1,2-Dichloroethane
Concen: 10.602 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 62 Resp: 52201

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0





#43
Isopropyl Acetate
Concen: 10.001 ug/l
RT: 8.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

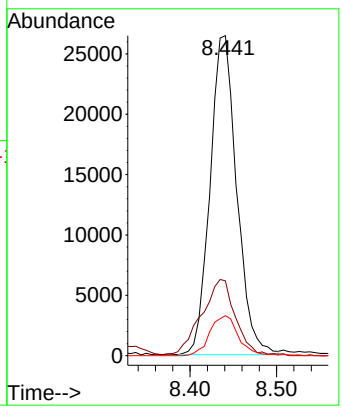
Tgt Ion: 43 Resp: 5669

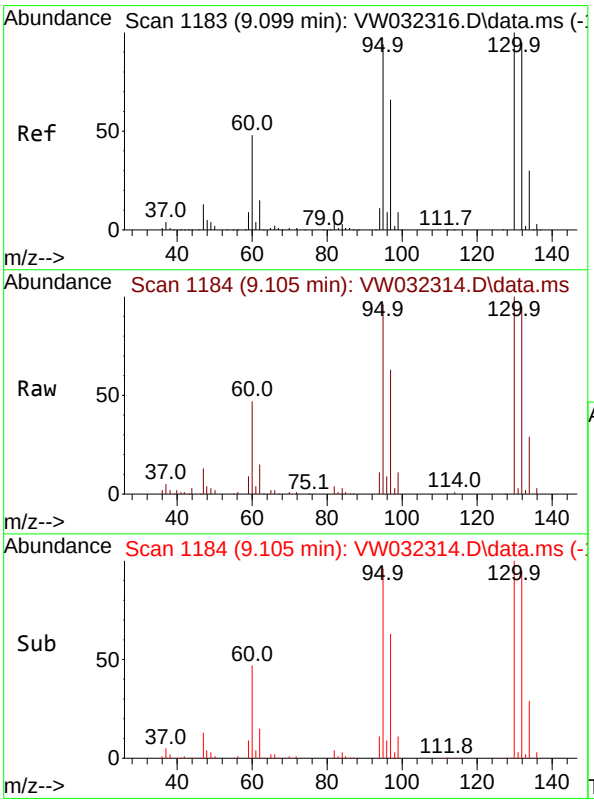
Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.3	34.9
87	13.5	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

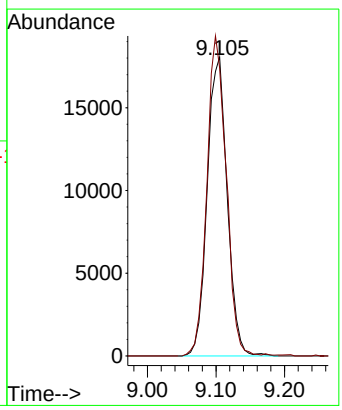


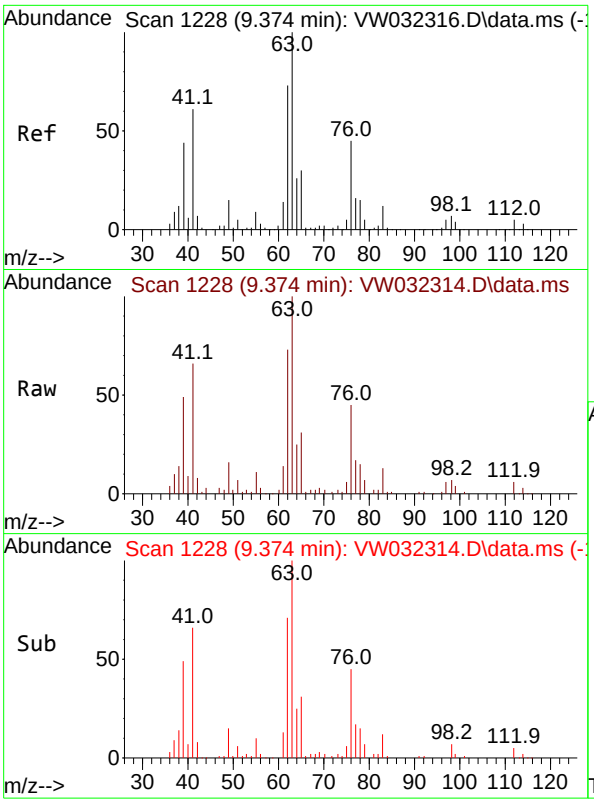


#44
Trichloroethene
Concen: 10.387 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:130 Resp: 36599

Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	220.0





#45
1,2-Dichloropropane
Concen: 10.371 ug/l
RT: 9.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

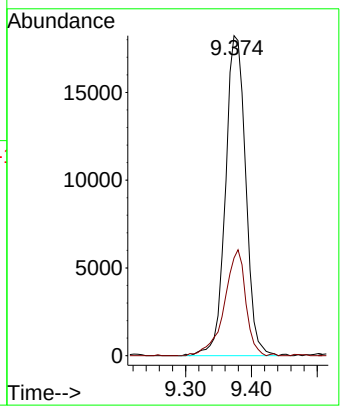
Tgt Ion: 63 Resp: 3895

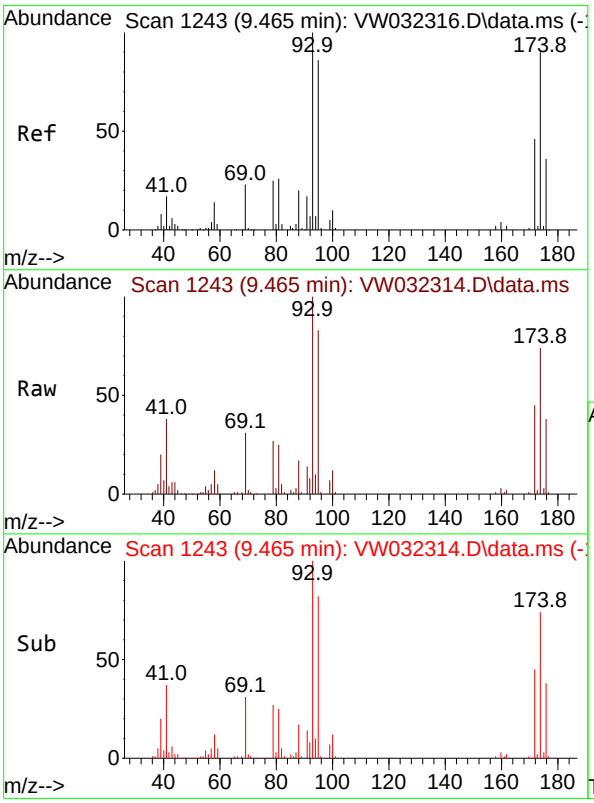
Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.3	36.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

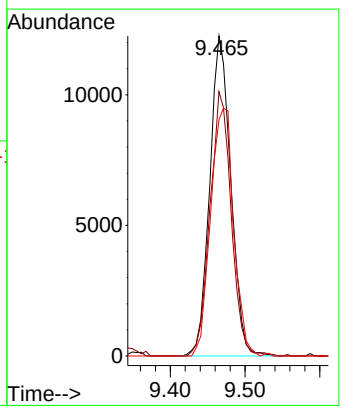


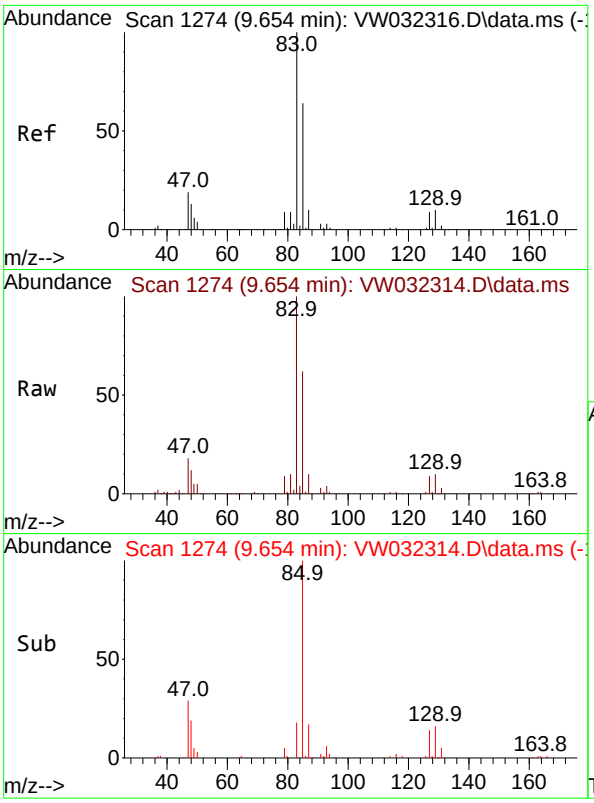


#46
Dibromomethane
Concen: 10.407 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 93 Resp: 24036

Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.4	101.2
174	84.5	75.7	113.5

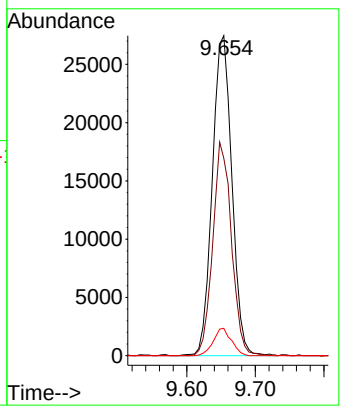




#47
Bromodichloromethane
Concen: 10.286 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 83 Resp: 5433

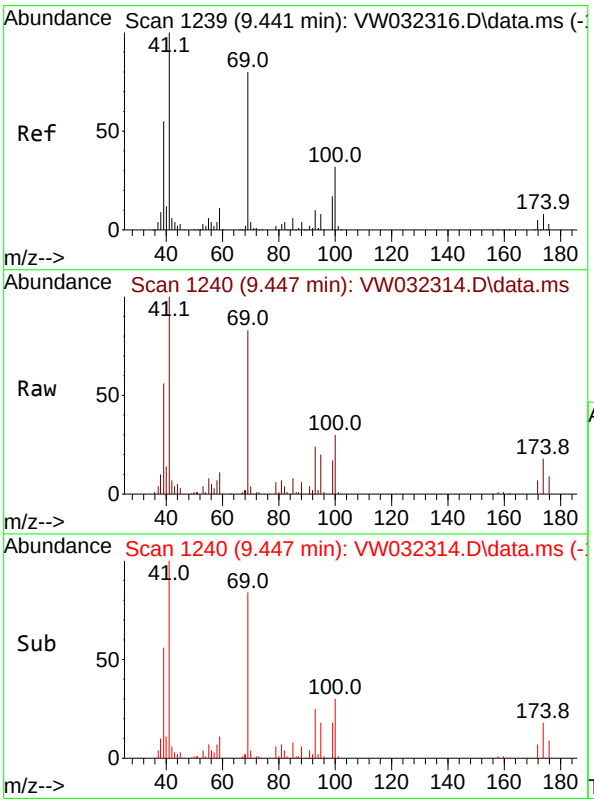
Ion	Ratio	Lower	Upper
83	100		
85	61.7	48.7	73.1
127	8.5	6.4	9.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

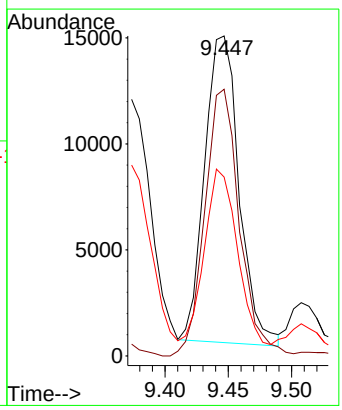
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

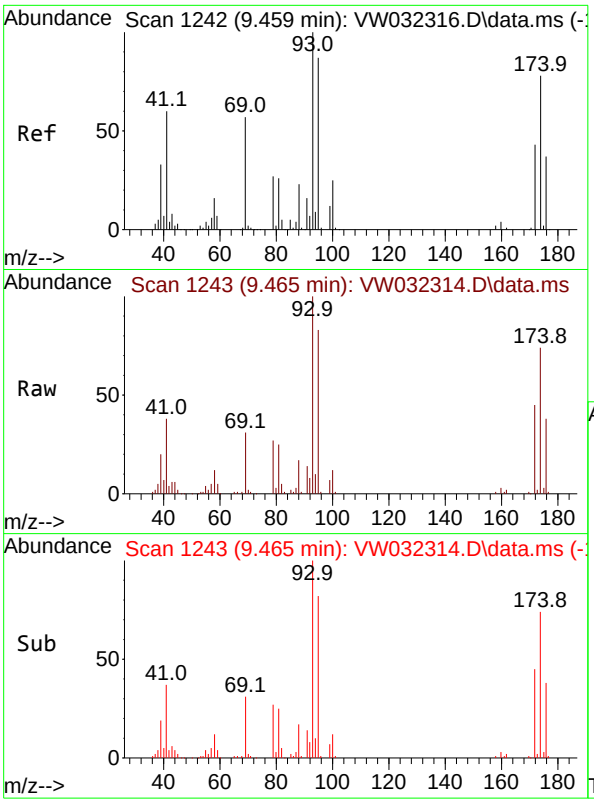


#48
Methyl methacrylate
Concen: 9.921 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 41 Resp: 27343

Ion	Ratio	Lower	Upper
41	100		
69	87.7	71.5	107.3
39	60.9	55.9	83.9

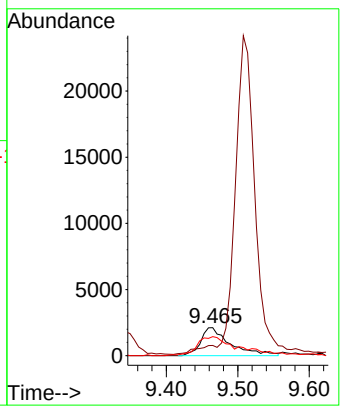




#49
1,4-Dioxane
Concen: 193.232 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 88 Resp: 610

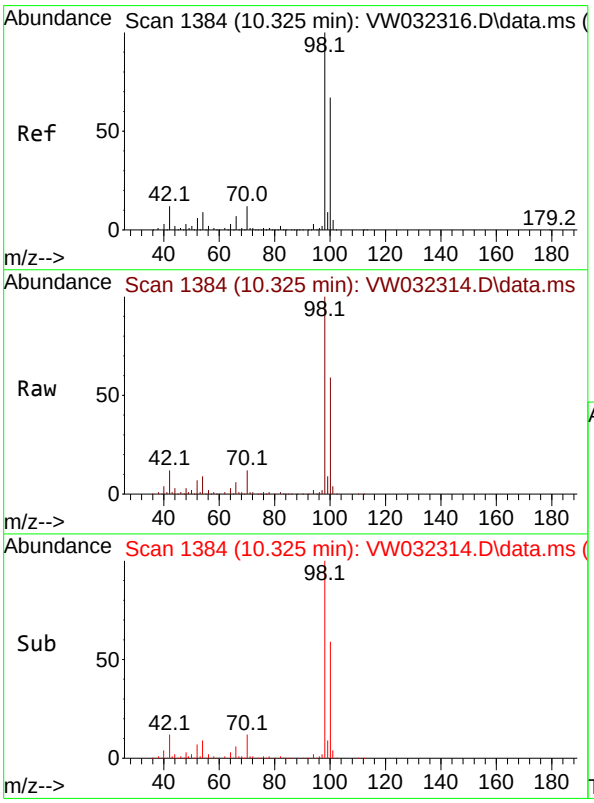
Ion	Ratio	Lower	Upper
88	100		
43	0.0	18.0	27.0#
58	95.6	55.4	83.0#



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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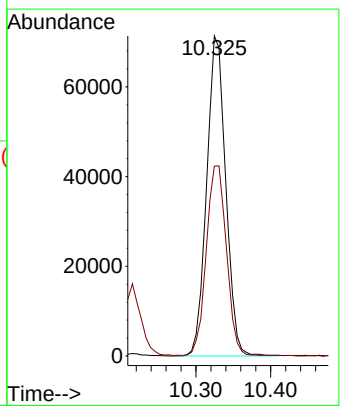
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

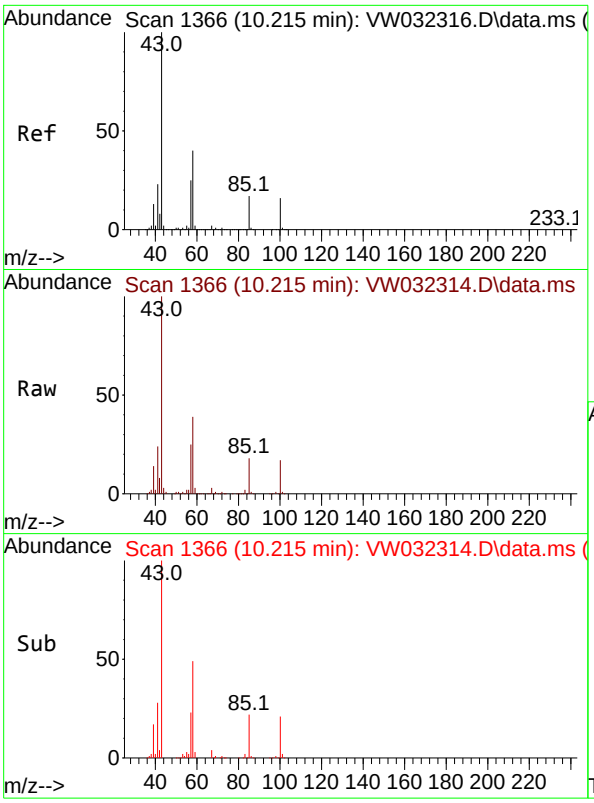


#50
Toluene-d8
Concen: 10.078 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 98 Resp: 126526

Ion	Ratio	Lower	Upper
98	100		
100	62.5	51.4	77.2





#51
4-Methyl-2-Pentanone
Concen: 51.916 ug/l
RT: 10.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

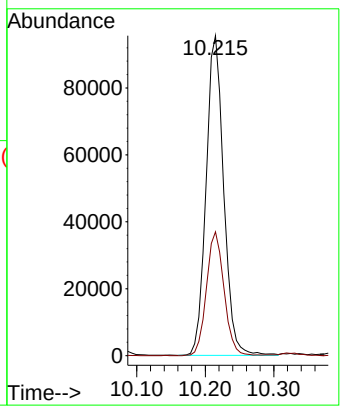
Tgt Ion: 43 Resp: 17045

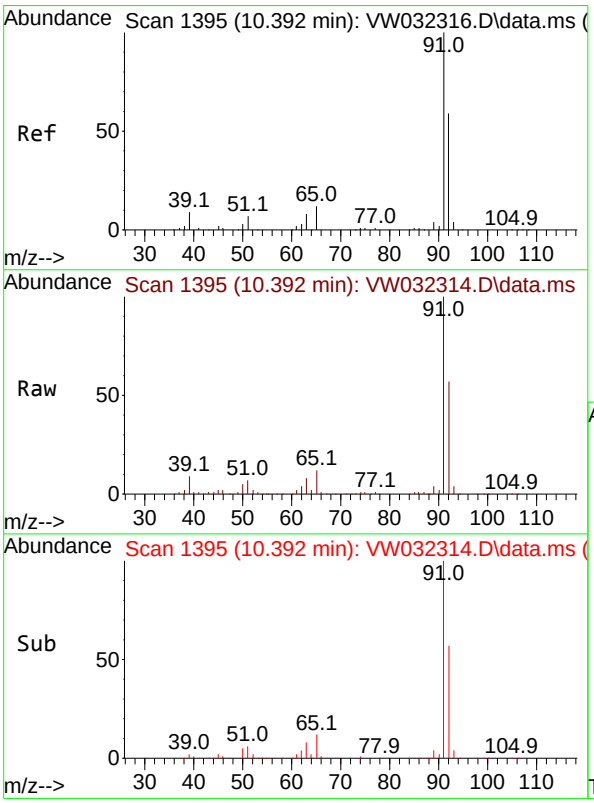
Ion	Ratio	Lower	Upper
43	100		
58	38.7	32.0	48.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

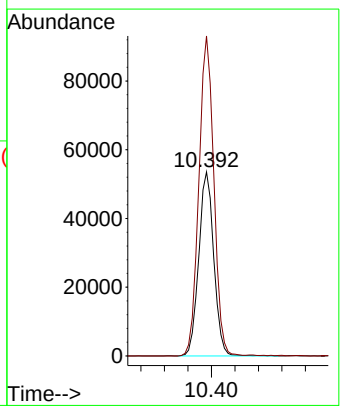


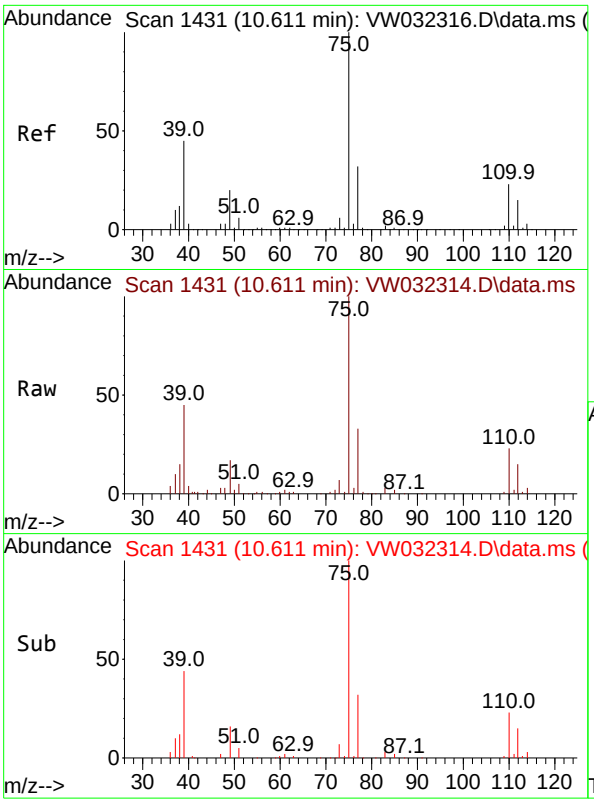


#52
Toluene
Concen: 10.146 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 92 Resp: 95076

Ion	Ratio	Lower	Upper
92	100		
91	173.4	137.5	206.3





#53
t-1,3-Dichloropropene
Concen: 9.878 ug/l
RT: 10.611 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

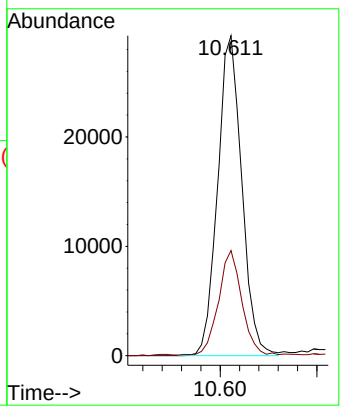
Tgt Ion: 75 Resp: 5062

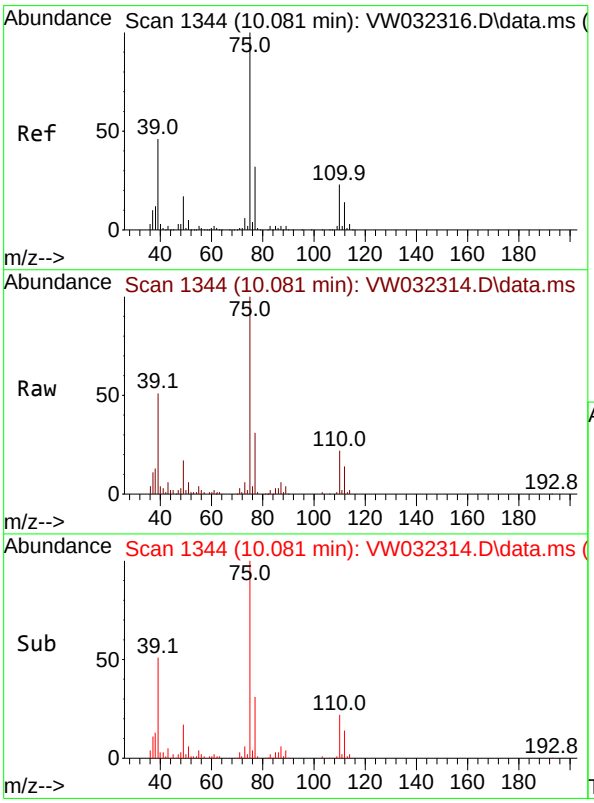
Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.6	38.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

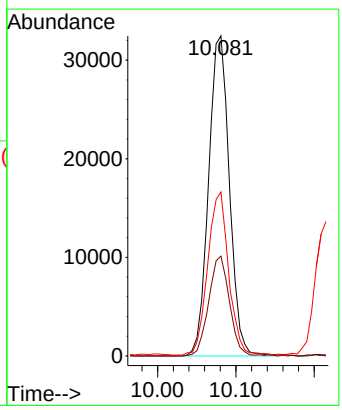


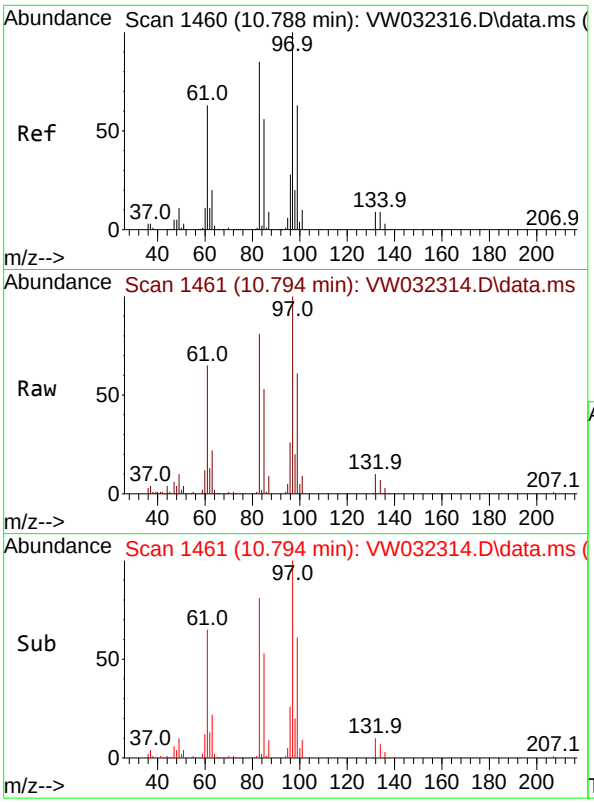


#54
cis-1,3-Dichloropropene
Concen: 10.158 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 75 Resp: 59970

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	51.0	43.2	64.8

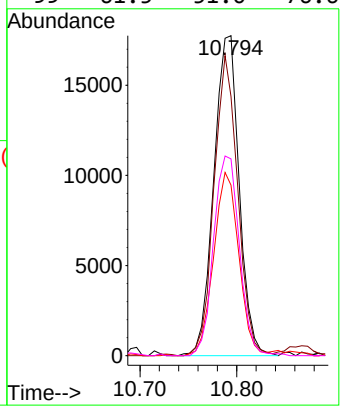




#55
1,1,2-Trichloroethane
Concen: 10.447 ug/l
RT: 10.794 min Scan# 14
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 97 Resp: 3224

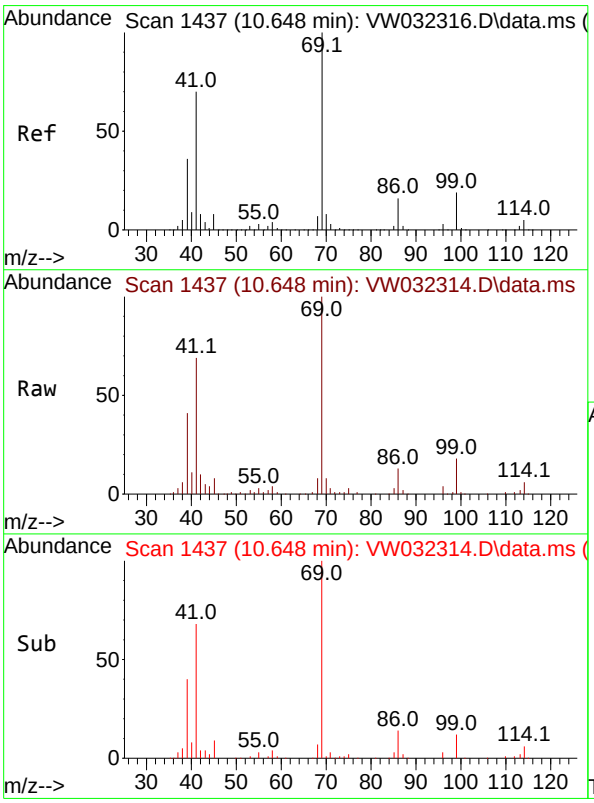
Ion	Ratio	Lower	Upper
97	100		
83	81.0	71.0	106.6
85	53.3	42.8	64.2
99	61.5	51.0	76.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

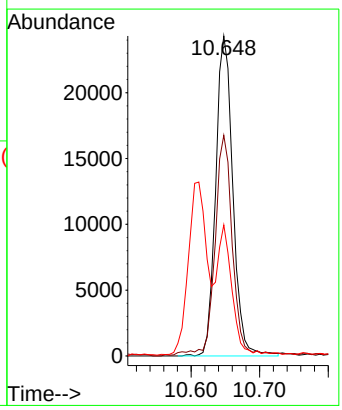
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

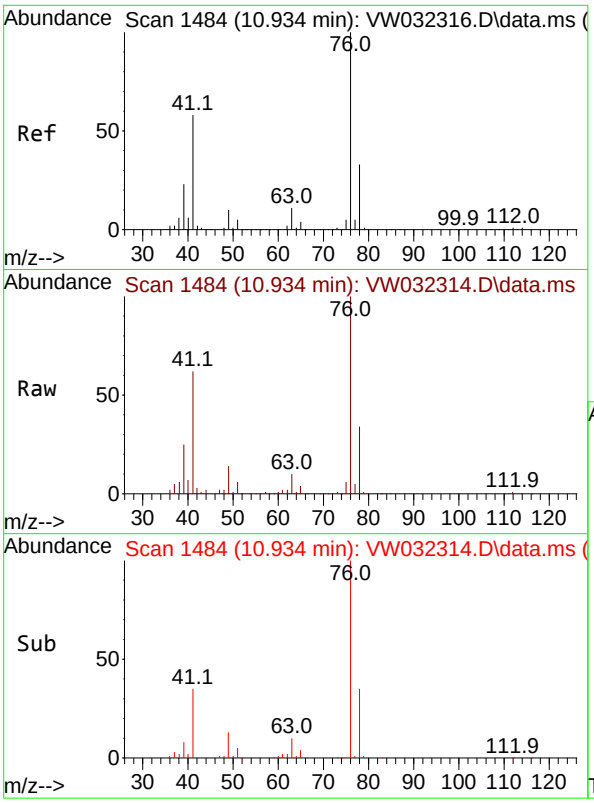


#56
Ethyl methacrylate
Concen: 9.750 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 69 Resp: 42126

Ion	Ratio	Lower	Upper
69	100		
41	71.6	53.2	79.8
39	36.1	32.9	49.3

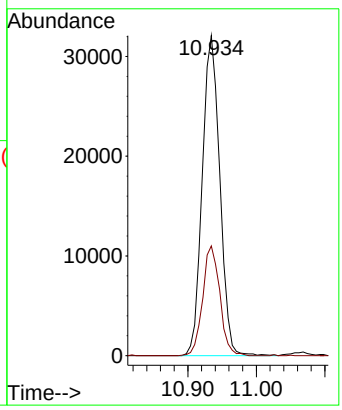




#57
1,3-Dichloropropane
Concen: 10.501 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 76 Resp: 5724

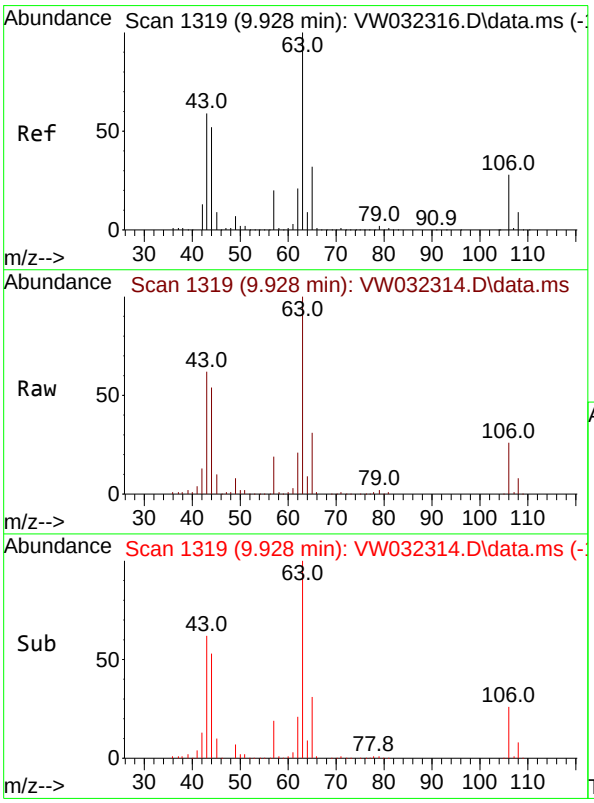
Ion	Ratio	Lower	Upper
76	100		
78	33.5	26.2	39.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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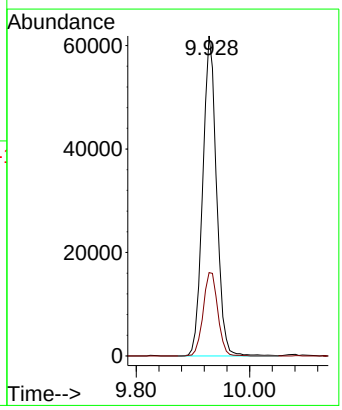
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

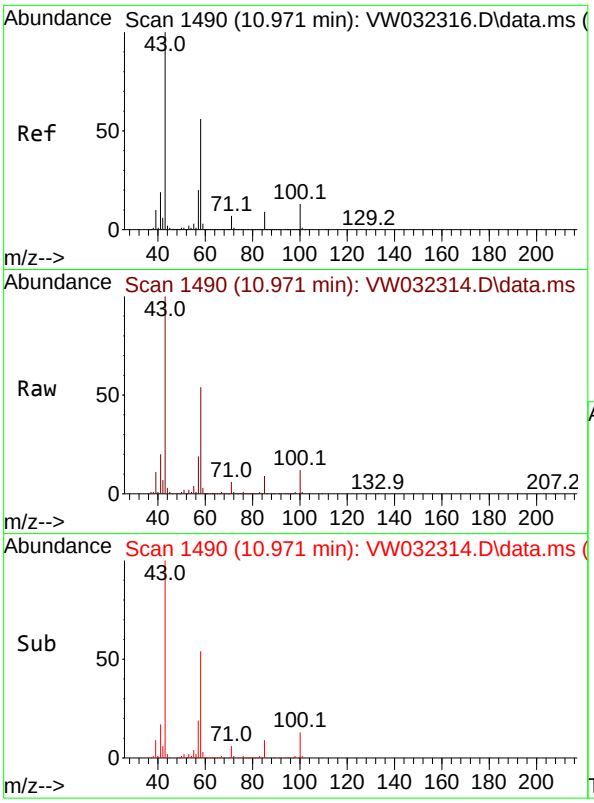


#58
2-Chloroethyl Vinyl ether
Concen: 45.484 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 63 Resp: 104587

Ion	Ratio	Lower	Upper
63	100		
106	27.5	24.3	36.5





#59
2-Hexanone
Concen: 50.996 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

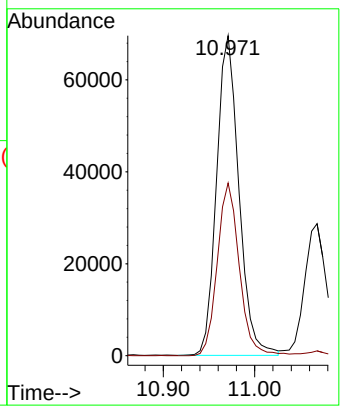
Tgt Ion: 43 Resp: 11808

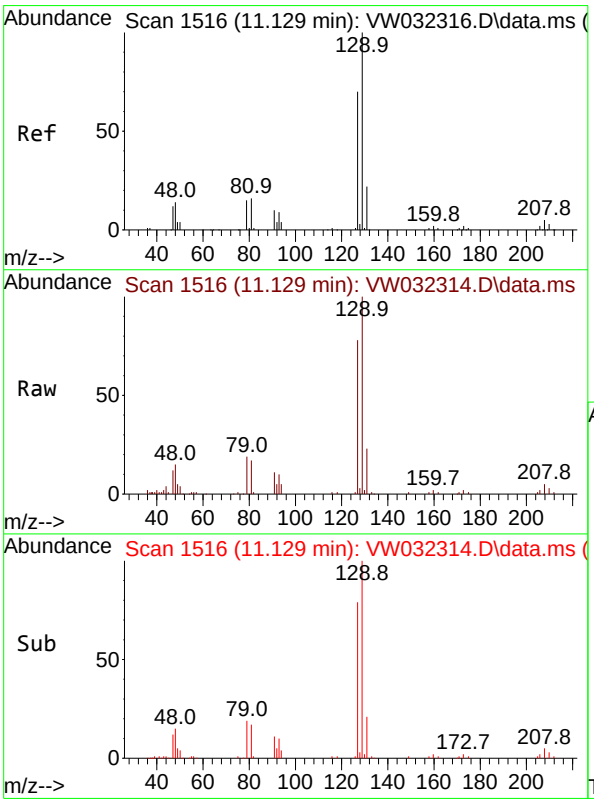
Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.5	82.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

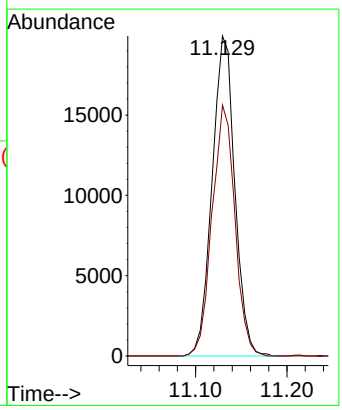


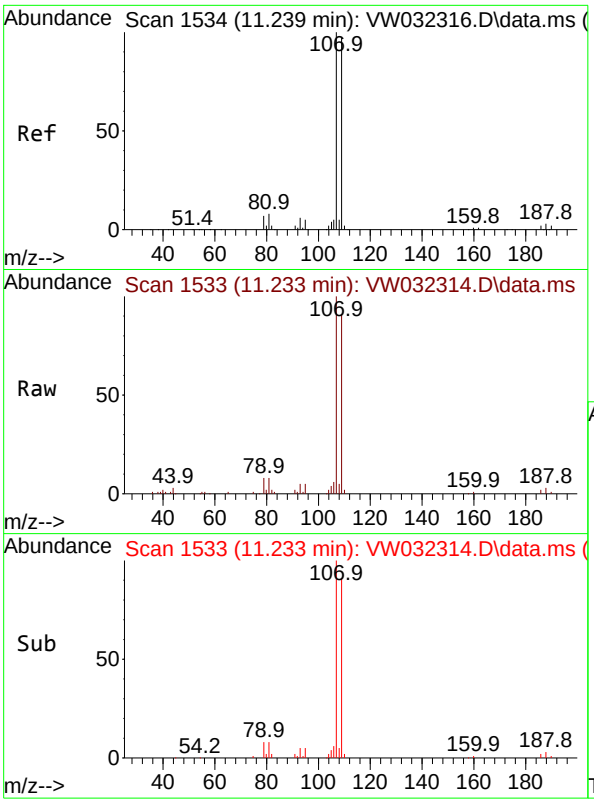


#60
Dibromochloromethane
Concen: 9.806 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:129 Resp: 34371

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.1	114.5





#61
1,2-Dibromoethane
Concen: 10.308 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

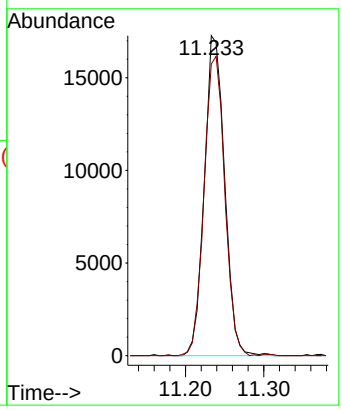
Tgt Ion:107 Resp: 3102

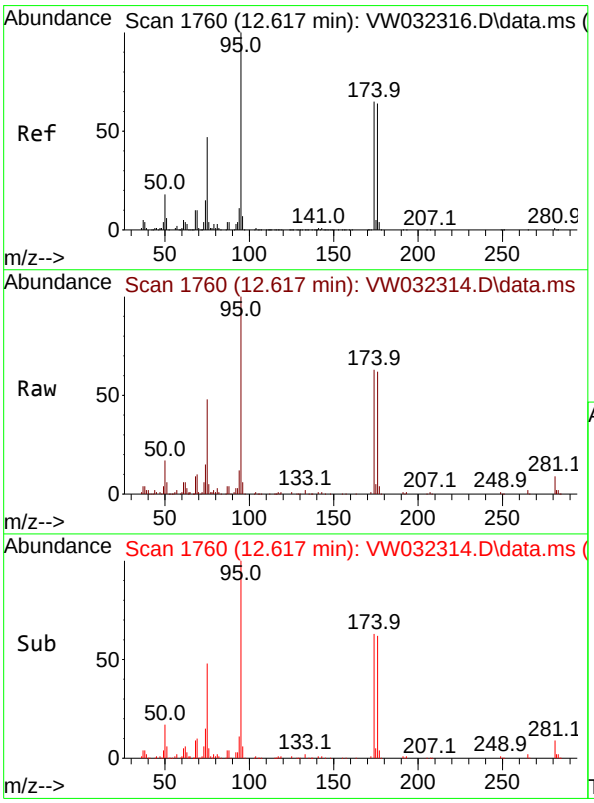
Ion	Ratio	Lower	Upper
107	100		
109	95.8	74.5	111.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

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Supervised By :Semsettin Yesilyurt 10/03/2025

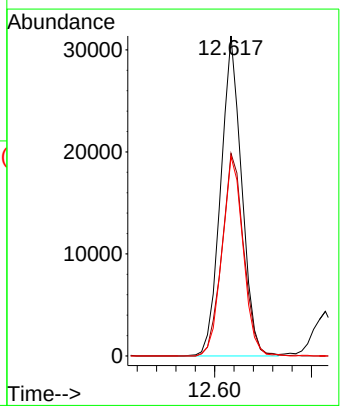


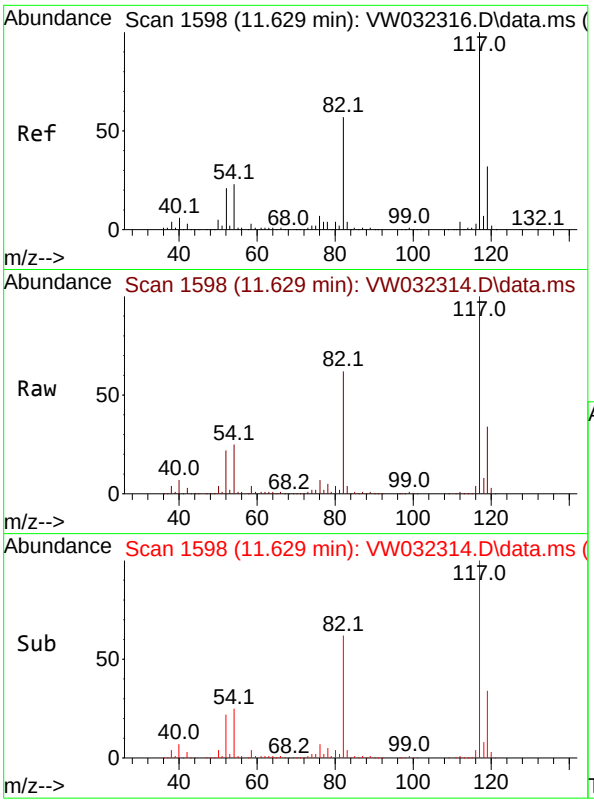


#62
4-Bromofluorobenzene
Concen: 9.936 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 95 Resp: 47150

Ion	Ratio	Lower	Upper
95	100		
174	65.8	0.0	145.6
176	62.6	0.0	140.8

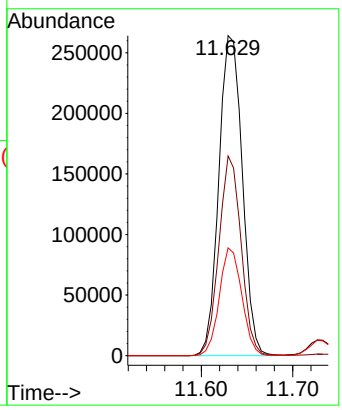




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:117 Resp: 47172

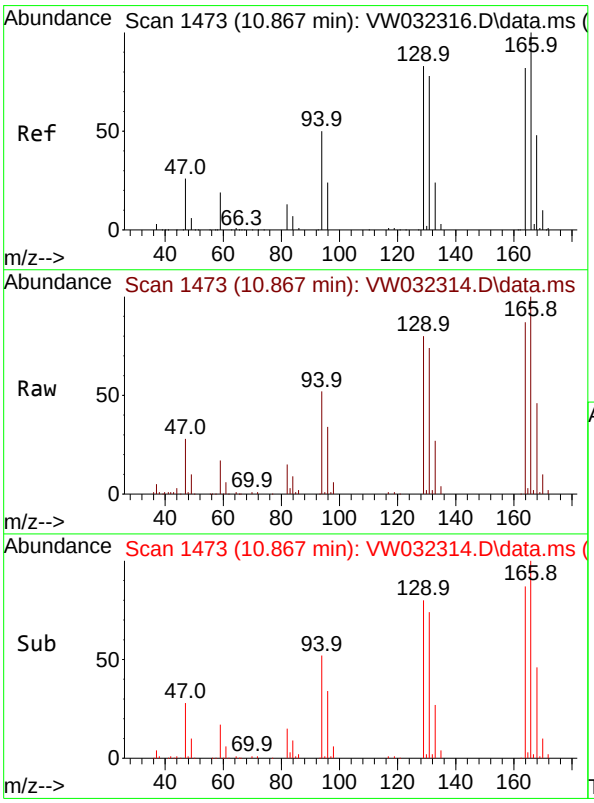
Ion	Ratio	Lower	Upper
117	100		
82	62.4	42.7	64.1
119	33.7	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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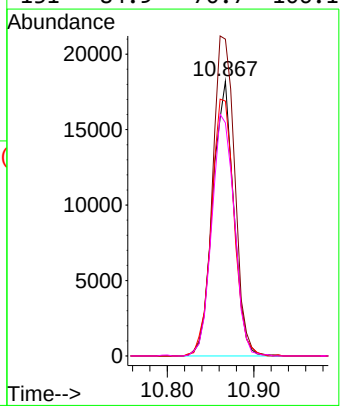
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

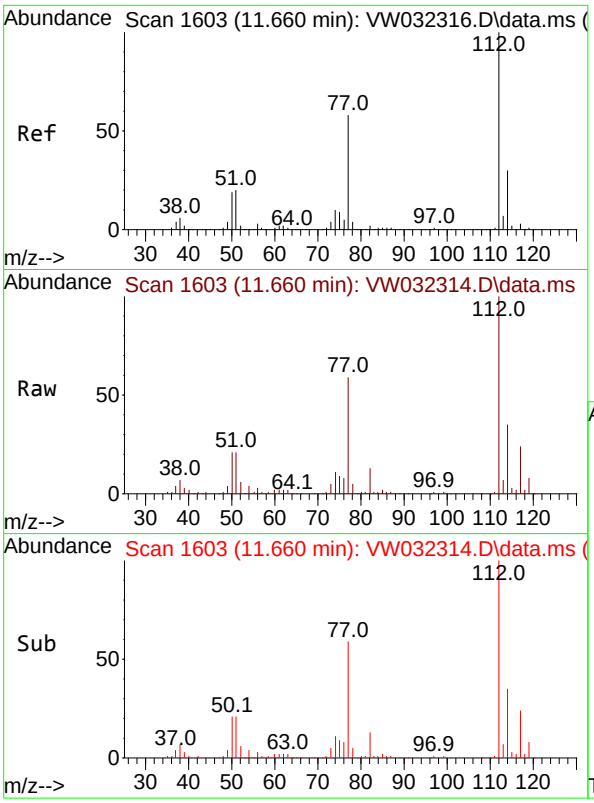


#64
Tetrachloroethene
Concen: 10.851 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:164 Resp: 30629

Ion	Ratio	Lower	Upper
164	100		
166	115.3	97.5	146.3
129	92.8	71.2	106.8
131	84.9	70.7	106.1





#65
Chlorobenzene
Concen: 10.362 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

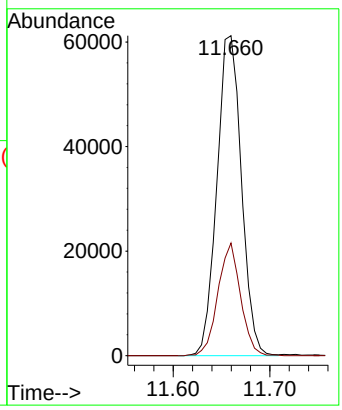
Tgt Ion:112 Resp: 10755

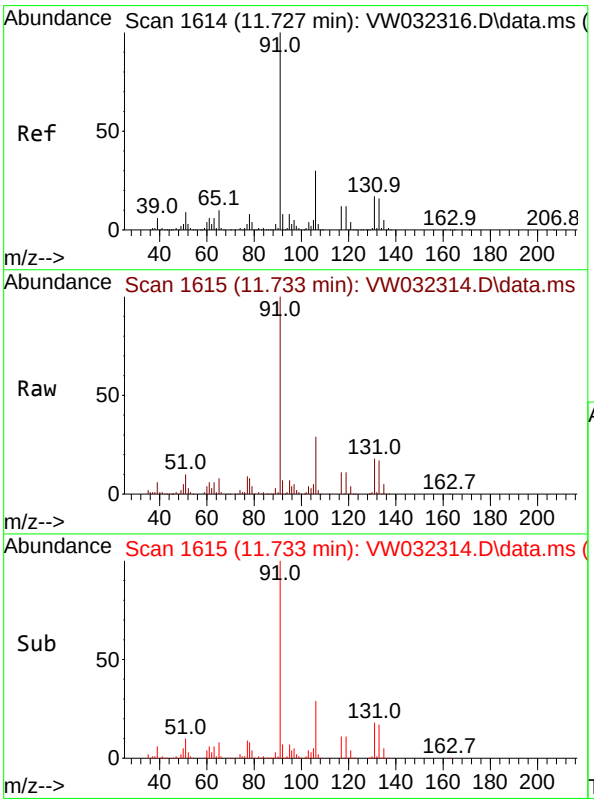
Ion	Ratio	Lower	Upper
112	100		
114	35.2	26.0	39.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

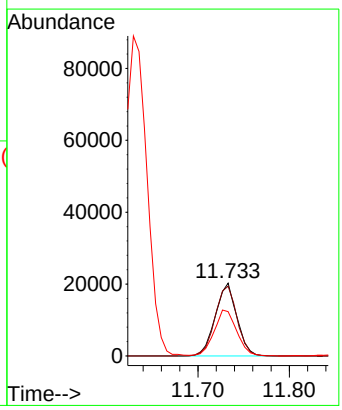


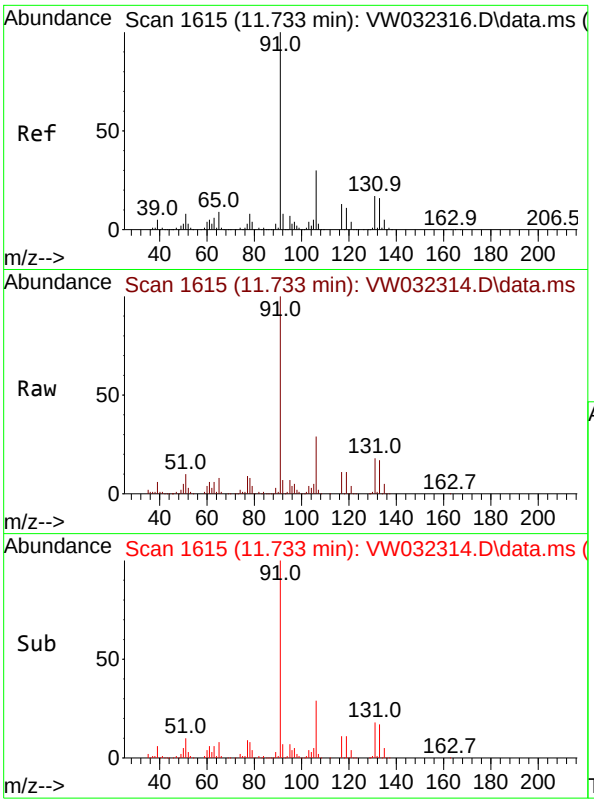


#66
1,1,1,2-Tetrachloroethane
Concen: 10.240 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:131 Resp: 33104

Ion	Ratio	Lower	Upper
131	100		
133	98.6	47.7	143.1
119	66.6	32.8	98.3

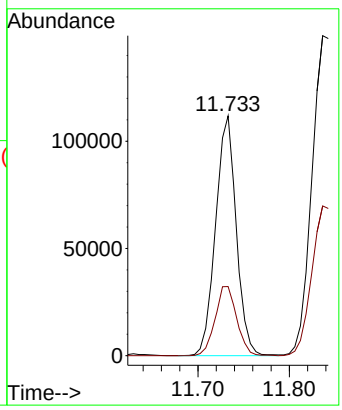




#67
Ethyl Benzene
Concen: 10.149 ug/l
RT: 11.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 91 Resp: 17558

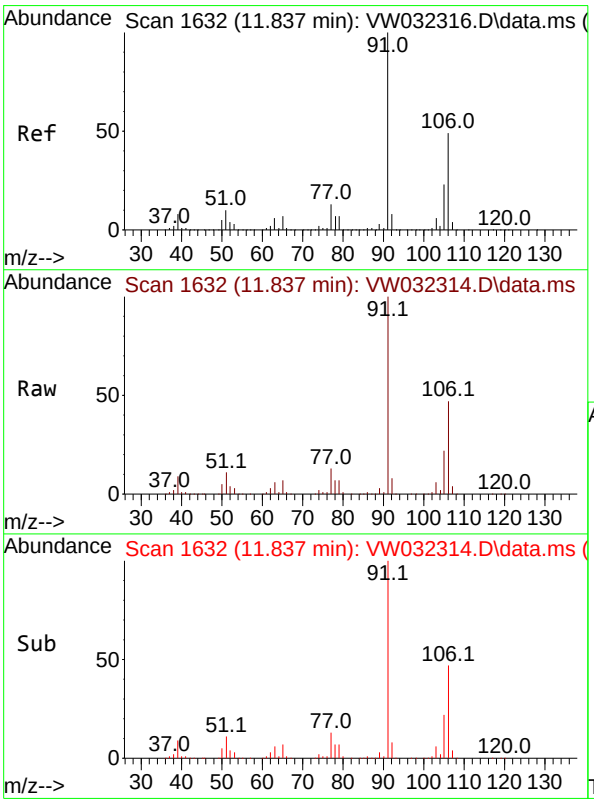
Ion	Ratio	Lower	Upper
91	100		
106	28.8	25.3	37.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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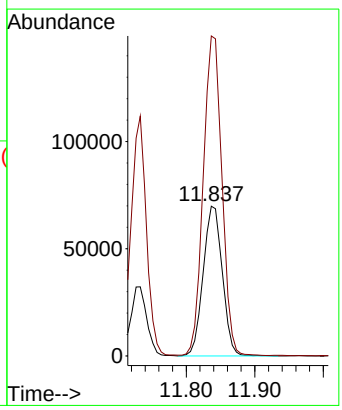
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

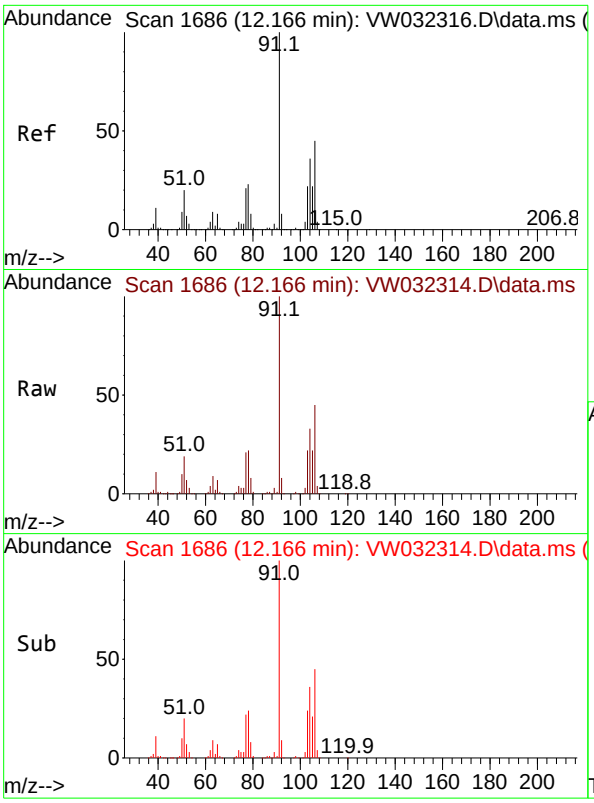


#68
m/p-Xylenes
Concen: 20.370 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:106 Resp: 135895

Ion	Ratio	Lower	Upper
106	100		
91	208.1	164.2	246.2





#69
o-Xylene
Concen: 10.052 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

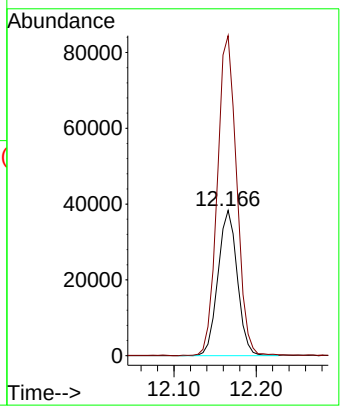
Tgt Ion:106 Resp: 6271

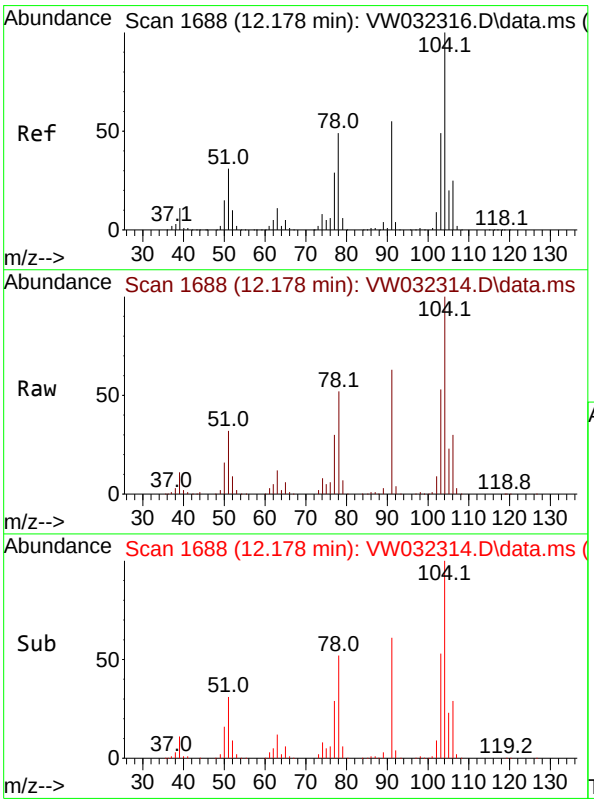
Ion	Ratio	Lower	Upper
106	100		
91	220.8	108.7	326.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

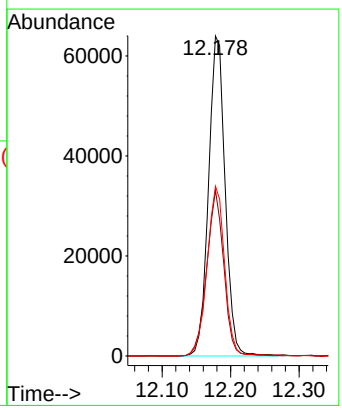


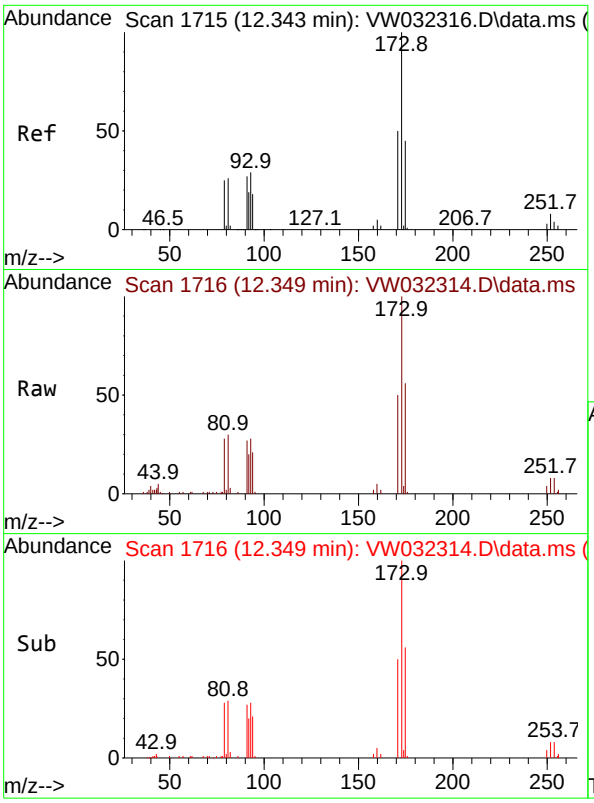


#70
Styrene
Concen: 9.899 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:104 Resp: 107824

Ion	Ratio	Lower	Upper
104	100		
78	53.3	41.6	62.4
103	56.0	44.8	67.2

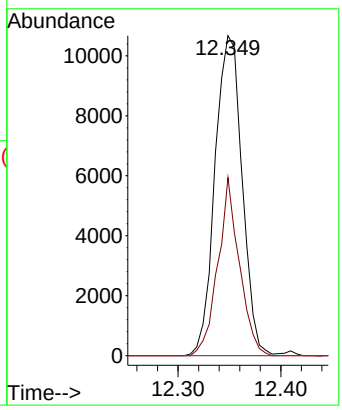




#71
Bromoform
Concen: 10.562 ug/l
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:173 Resp: 1957

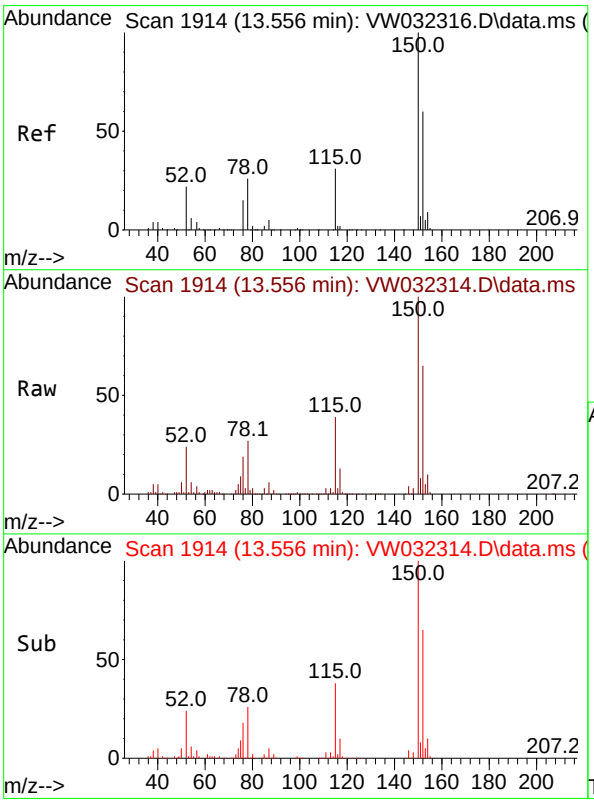
Ion	Ratio	Lower	Upper
173	100		
175	44.1	24.9	74.7
254	0.0	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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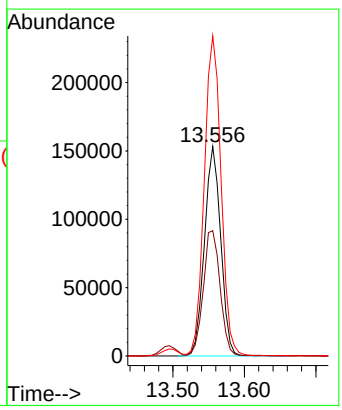
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

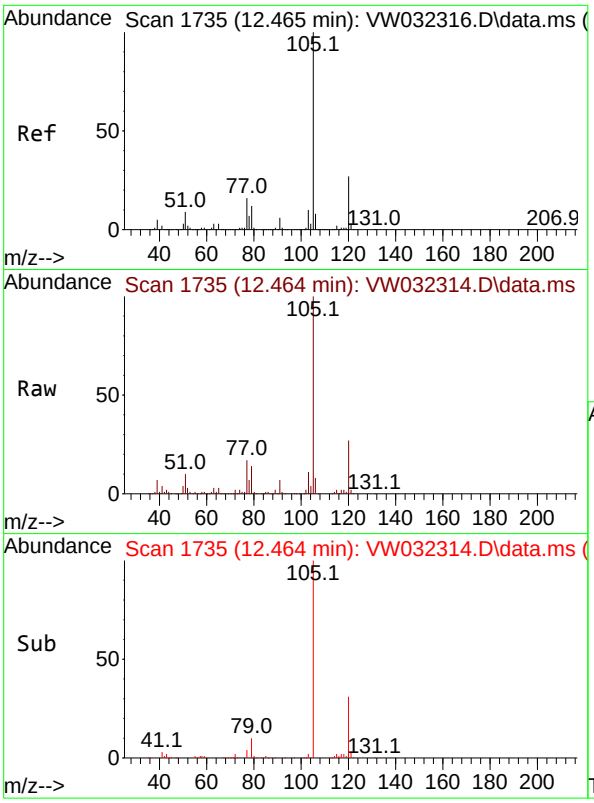


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:152 Resp: 242027

Ion	Ratio	Lower	Upper
152	100		
115	61.7	31.8	95.4
150	157.1	0.0	343.0





#73
Isopropylbenzene
Concen: 9.234 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

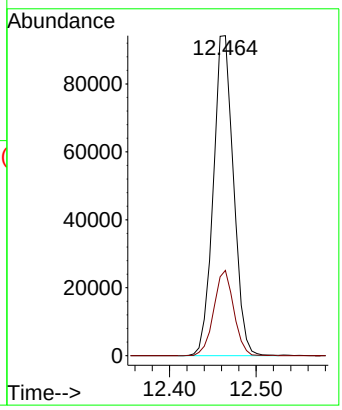
Tgt Ion:105 Resp: 15289

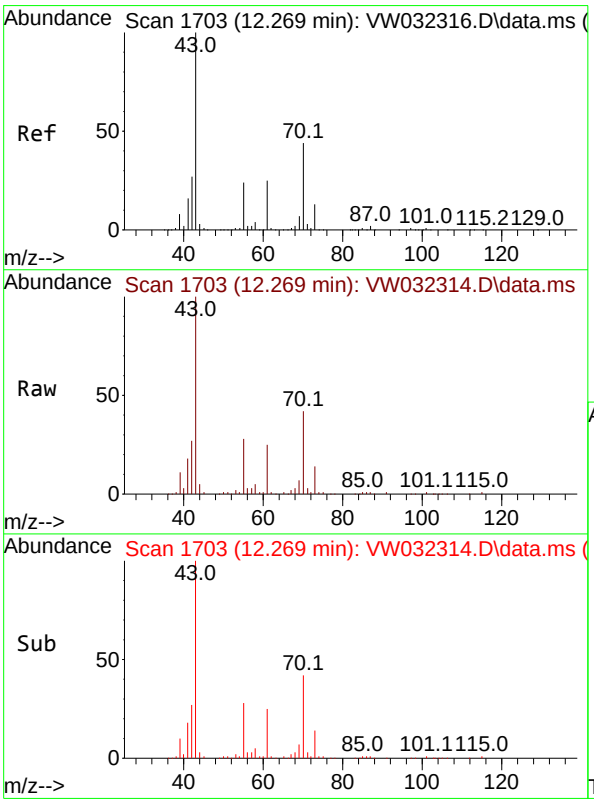
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.0	38.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

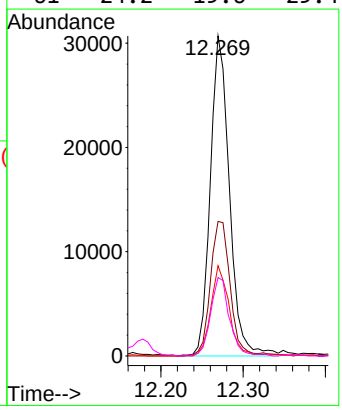


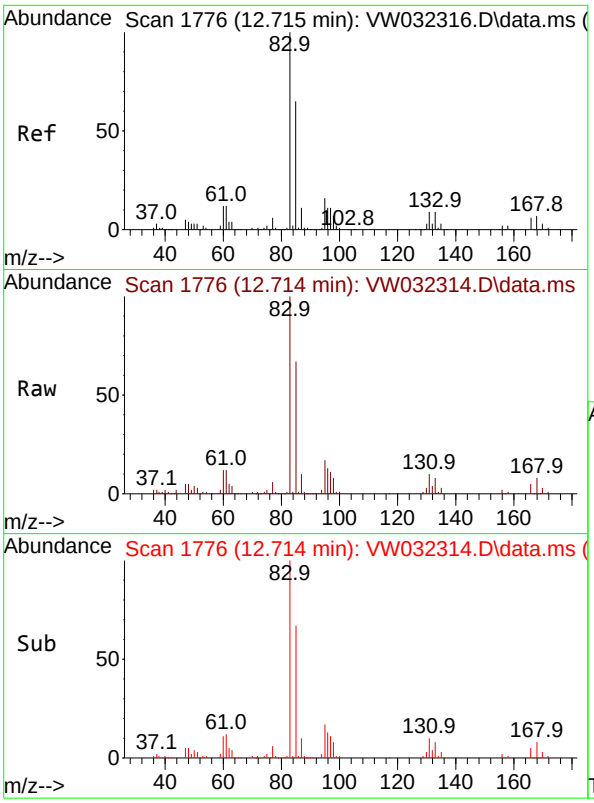


#74
N-amyl acetate
Concen: 9.412 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 43 Resp: 49718

Ion	Ratio	Lower	Upper
43	100		
70	43.7	35.3	52.9
55	26.8	19.9	29.9
61	24.2	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 10.213 ug/l
RT: 12.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

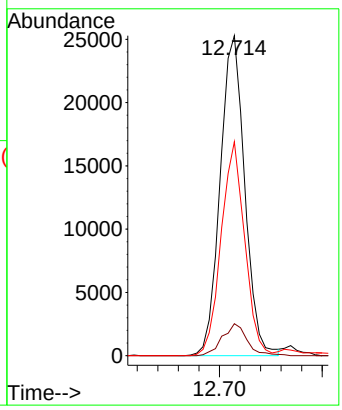
Tgt Ion: 83 Resp: 4199

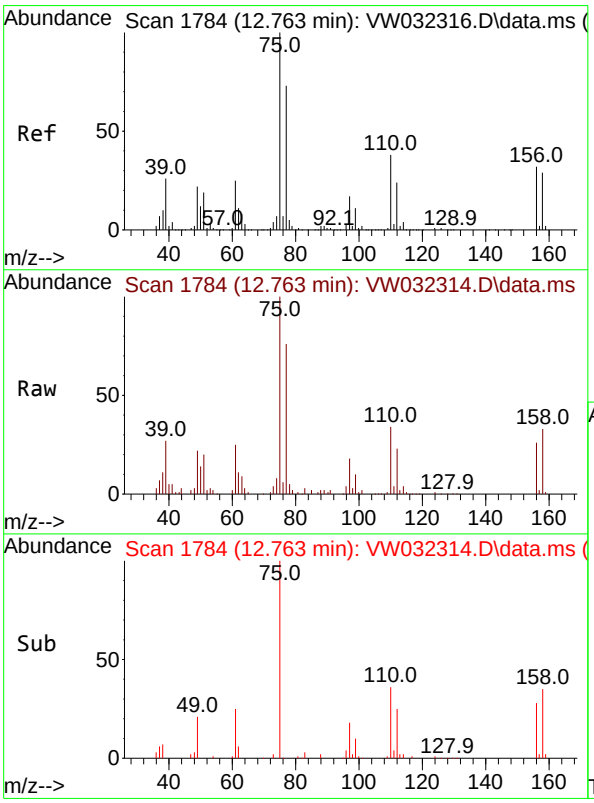
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.4
85	64.1	32.2	96.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

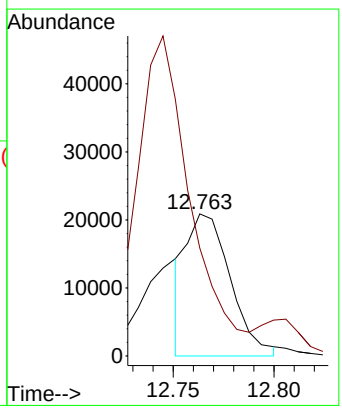


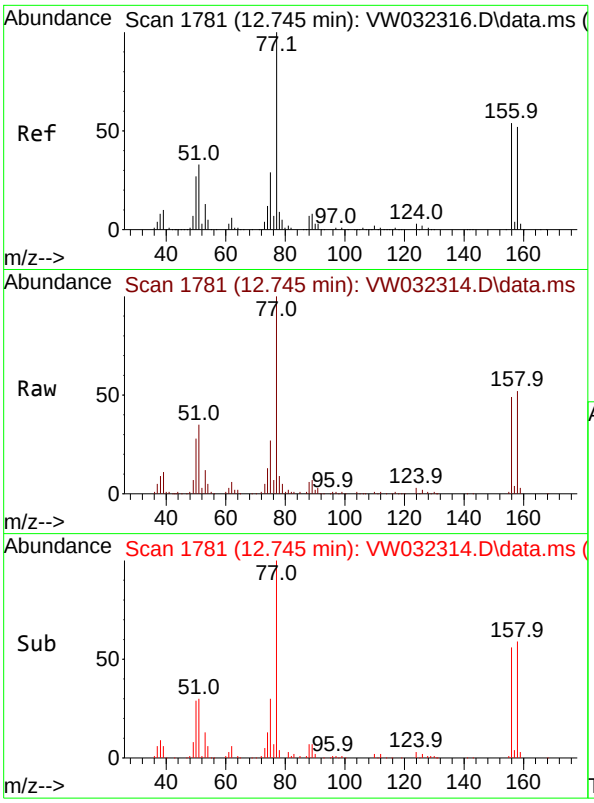


#76
1,2,3-Trichloropropane
Concen: 9.939 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 75 Resp: 31741

Ion	Ratio	Lower	Upper
75	100		
77	276.5	141.7	425.1

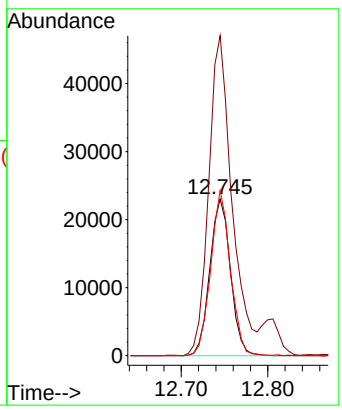




#77
Bromobenzene
Concen: 9.547 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:156 Resp: 3810

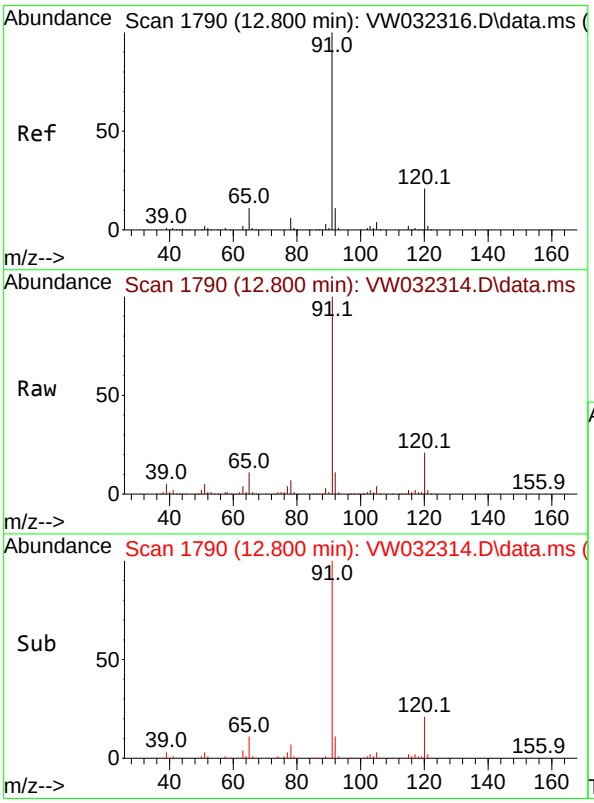
Ion	Ratio	Lower	Upper
156	100		
77	230.4	98.6	295.7
158	100.7	48.4	145.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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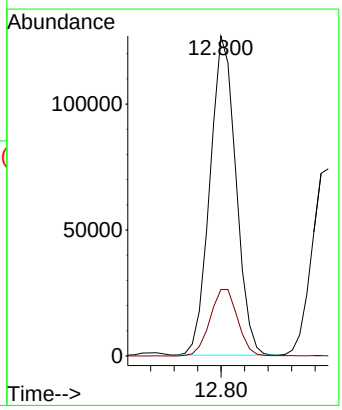
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

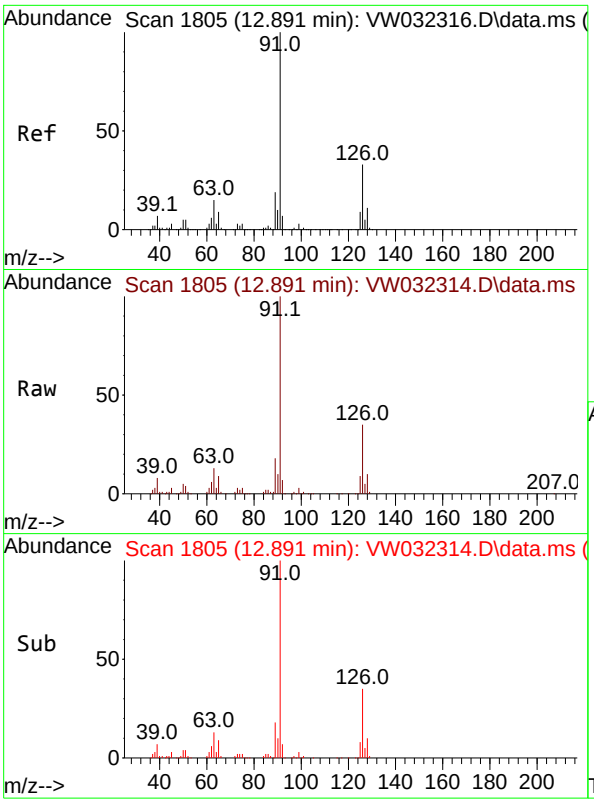


#78
n-propylbenzene
Concen: 9.421 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 91 Resp: 194851

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.8	35.4





#79
2-Chlorotoluene
Concen: 9.855 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

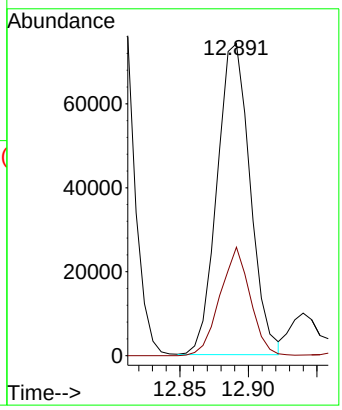
Tgt Ion: 91 Resp: 12463

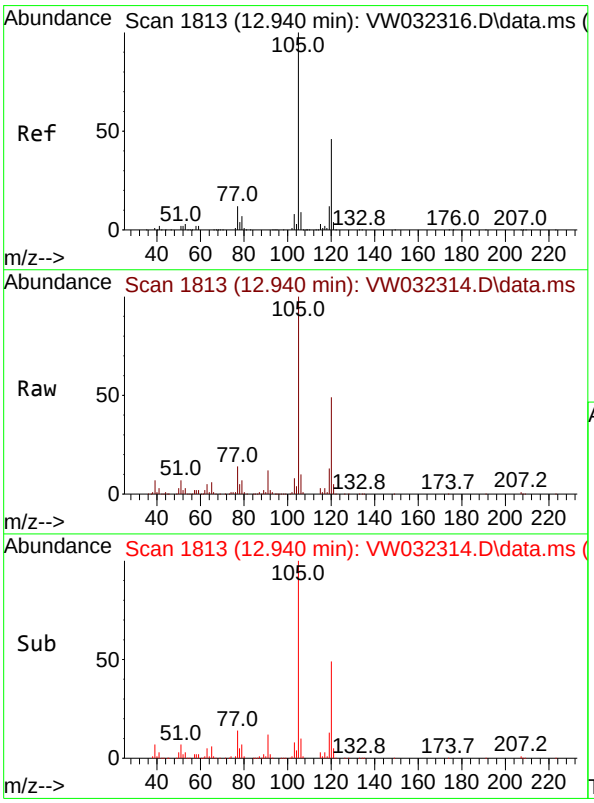
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.6	49.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

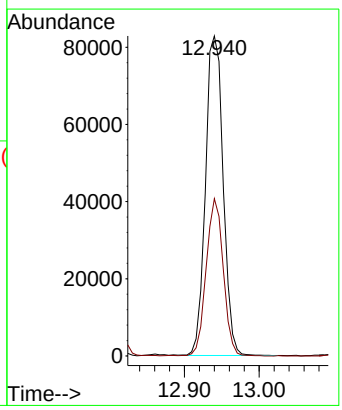


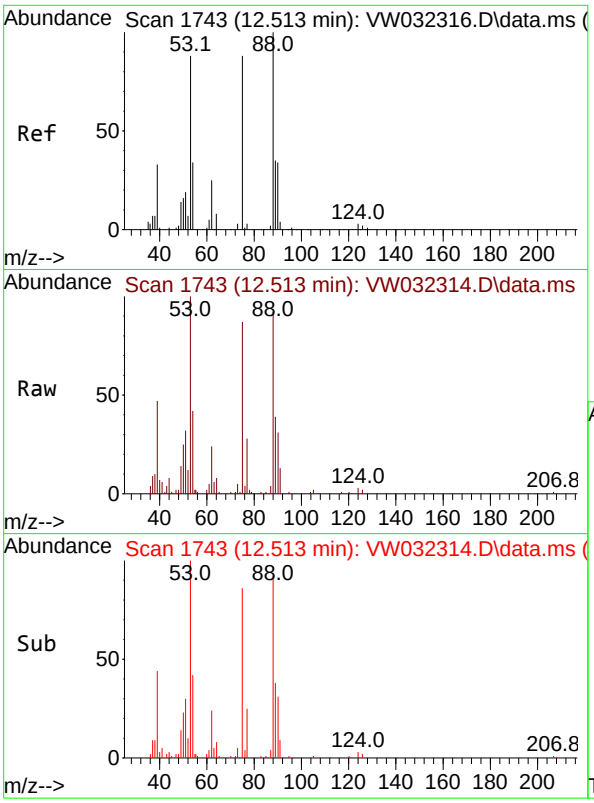


#80
1,3,5-Trimethylbenzene
Concen: 9.490 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:105 Resp: 135870

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.8	74.4

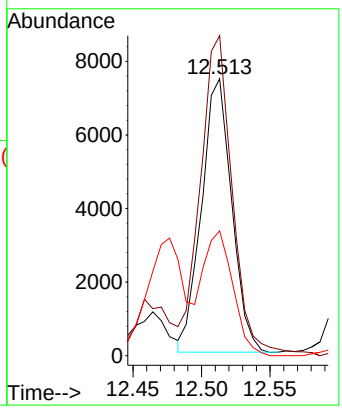




#81
trans-1,4-Dichloro-2-butene
Concen: 9.067 ug/l
RT: 12.513 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 75 Resp: 1139

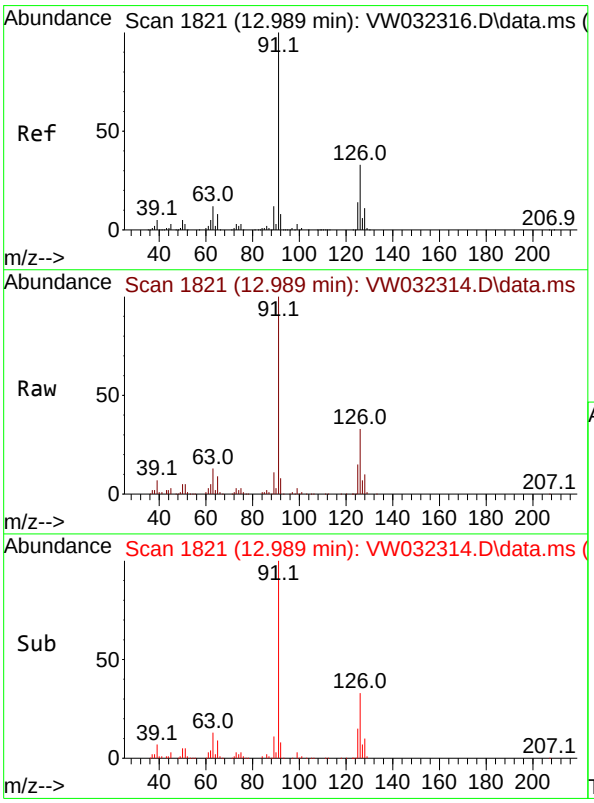
Ion	Ratio	Lower	Upper
75	100		
53	124.5	91.0	136.6
89	44.1	39.4	59.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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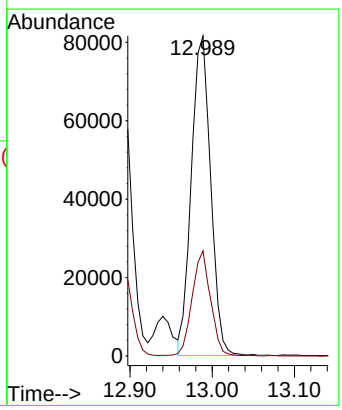
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

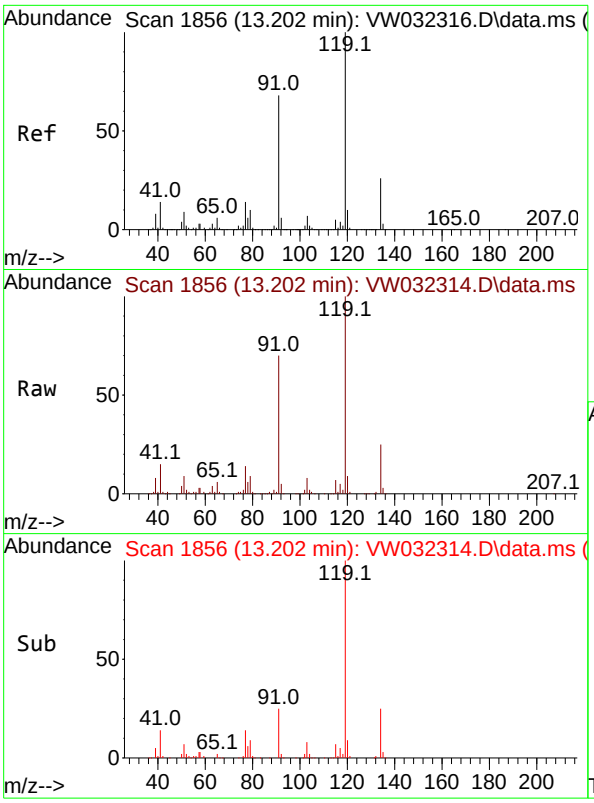


#82
4-Chlorotoluene
Concen: 9.874 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 91 Resp: 132770

Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.1	48.2

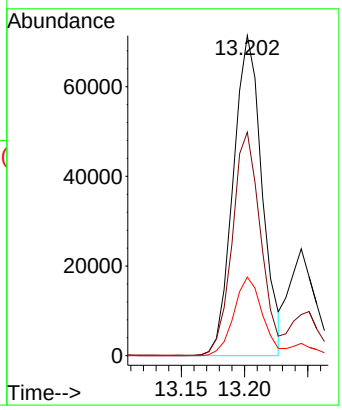




#83
tert-Butylbenzene
Concen: 9.669 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:119 Resp: 11359

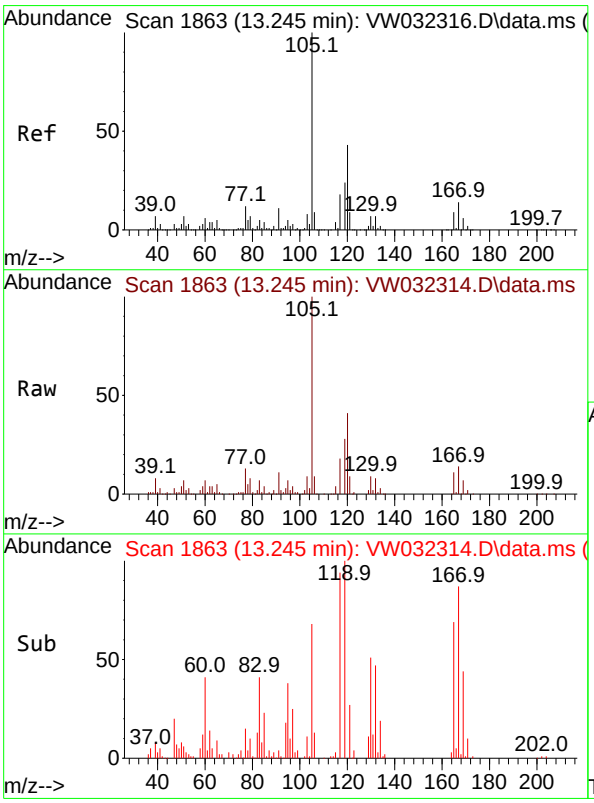
Ion	Ratio	Lower	Upper
119	100		
91	67.9	33.8	101.3
134	24.5	12.5	37.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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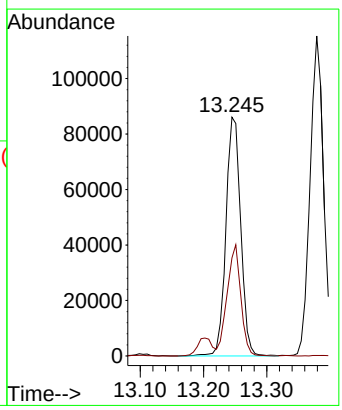
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

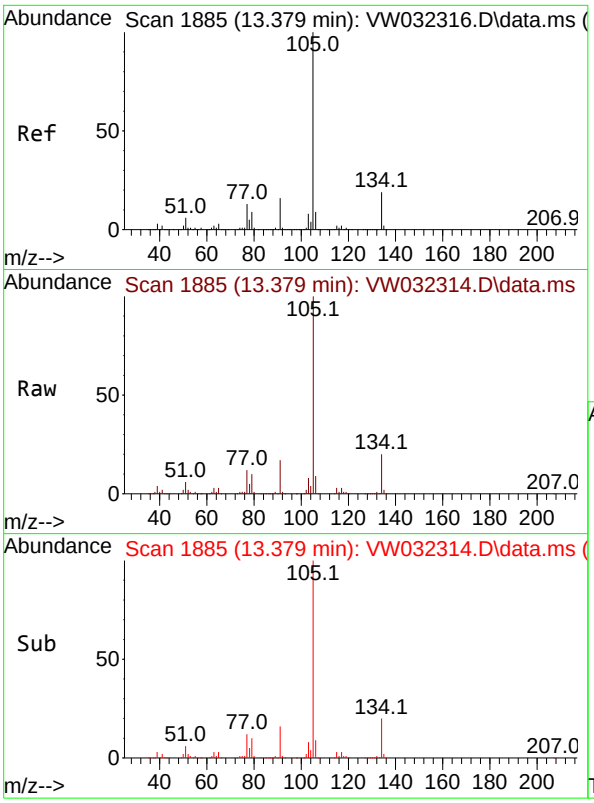


#84
1,2,4-Trimethylbenzene
Concen: 9.580 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:105 Resp: 139474

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.1	66.3

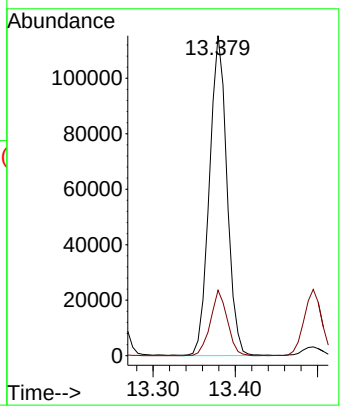




#85
sec-Butylbenzene
Concen: 9.533 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:105 Resp: 17115

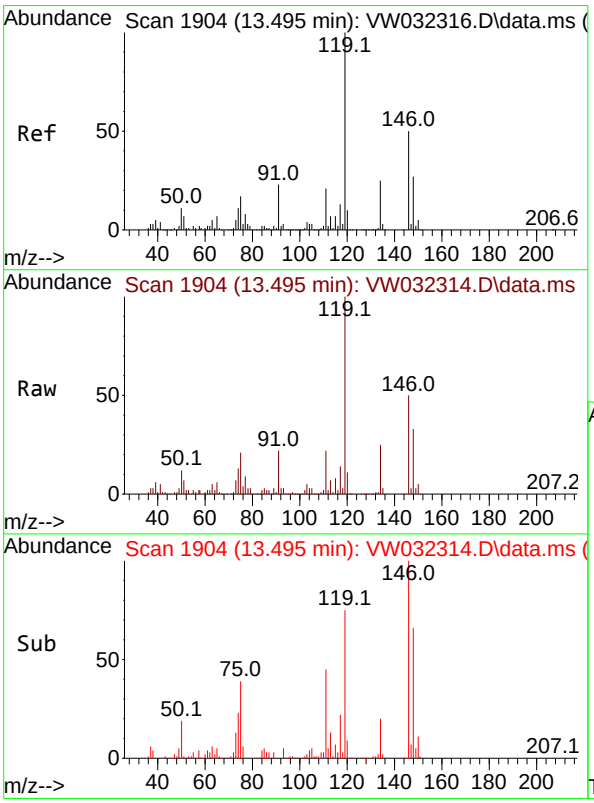
Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.1	30.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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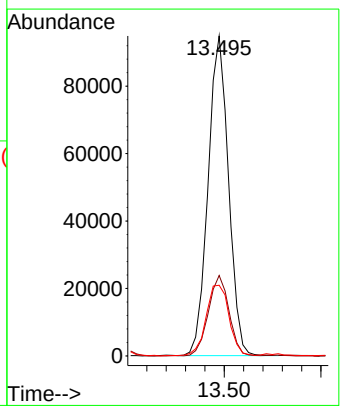
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

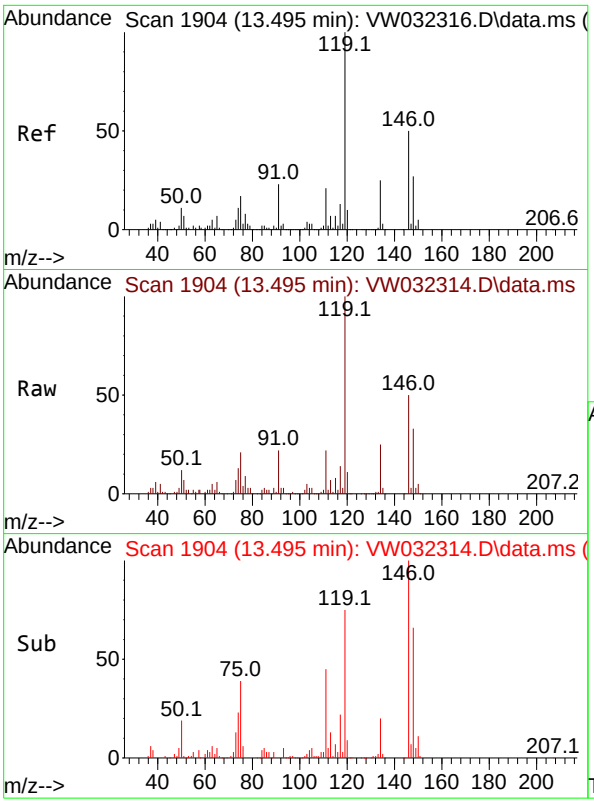


#86
p-Isopropyltoluene
Concen: 9.335 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:119 Resp: 139064

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.6
91	25.2	12.4	37.0





#87
1,3-Dichlorobenzene
Concen: 9.881 ug/l
RT: 13.495 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

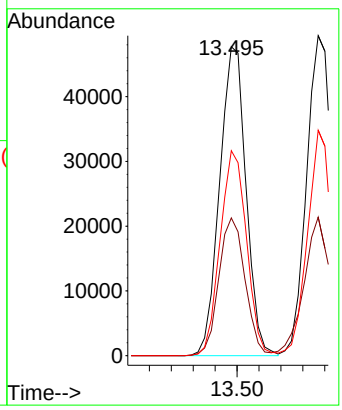
Tgt Ion:146 Resp: 7986

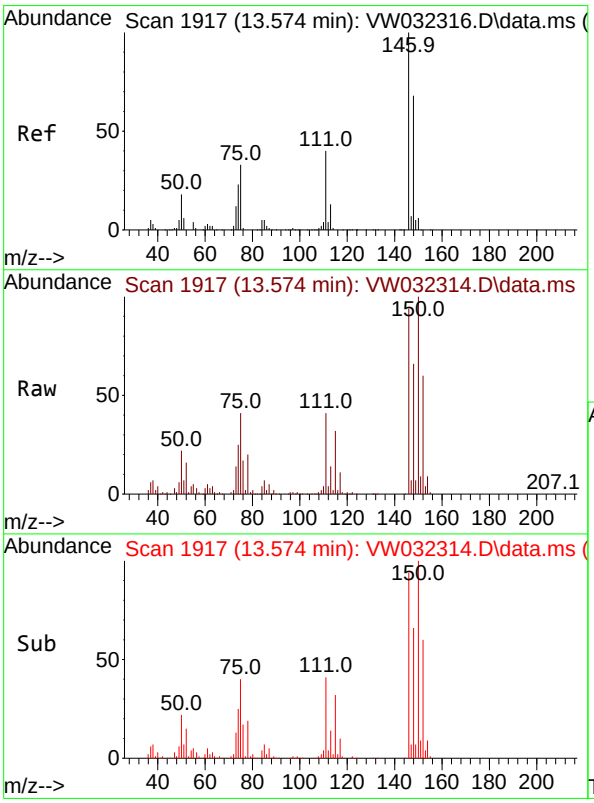
Ion	Ratio	Lower	Upper
146	100		
111	44.4	20.6	61.9
148	66.4	30.6	92.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

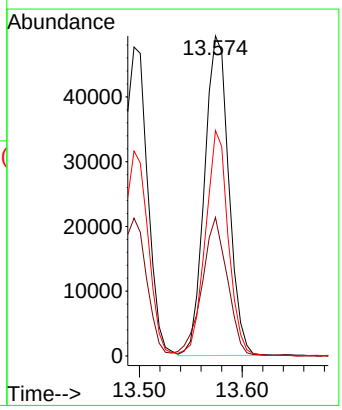


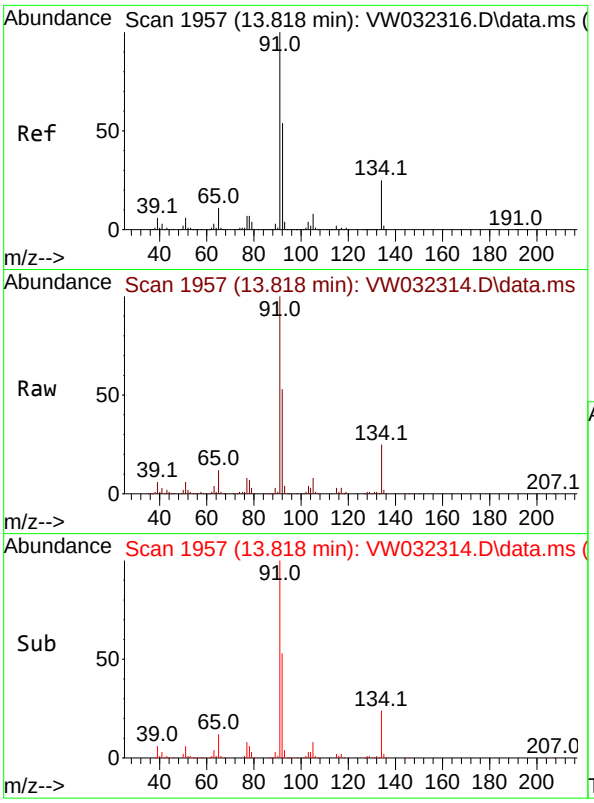


#88
1,4-Dichlorobenzene
Concen: 10.019 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:146 Resp: 80973

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.3	63.7
148	67.0	33.4	100.1

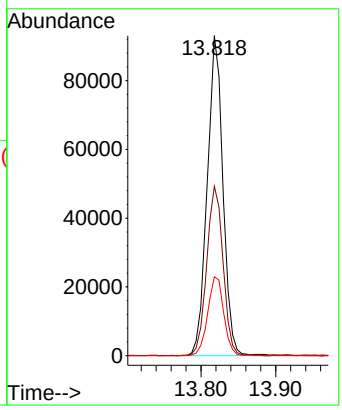




#89
n-Butylbenzene
Concen: 9.378 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 91 Resp: 13639

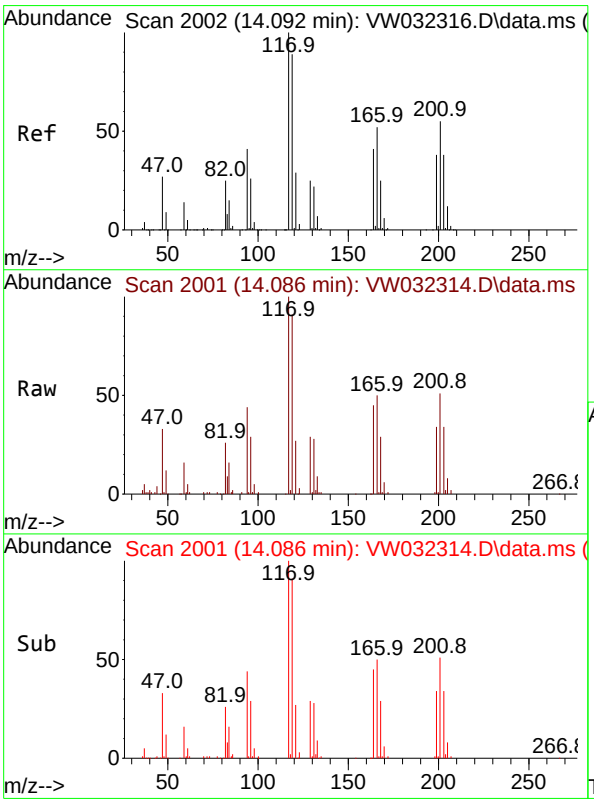
Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.0	81.0
134	25.2	13.1	39.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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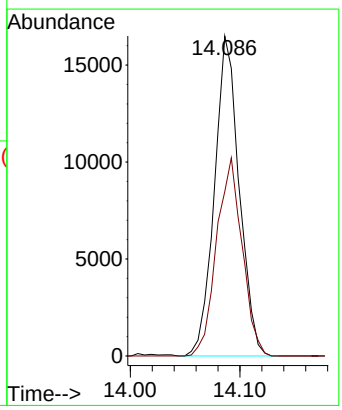
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

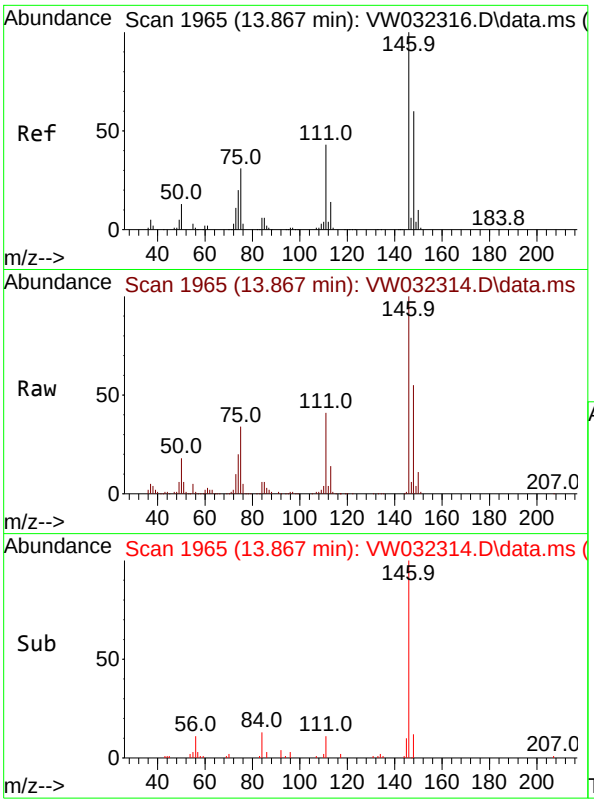


#90
Hexachloroethane
Concen: 9.699 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:117 Resp: 25898

Ion	Ratio	Lower	Upper
117	100		
201	64.0	32.8	98.4

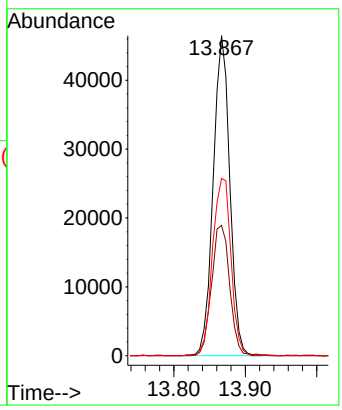




#91
1,2-Dichlorobenzene
Concen: 10.262 ug/l
RT: 13.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:146 Resp: 7498

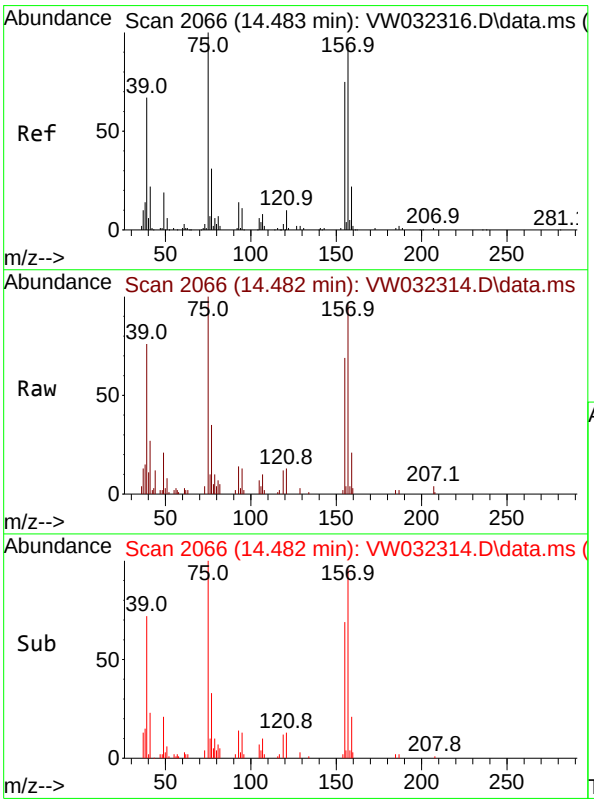
Ion	Ratio	Lower	Upper
146	100		
111	44.1	23.4	70.0
148	61.5	34.1	102.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

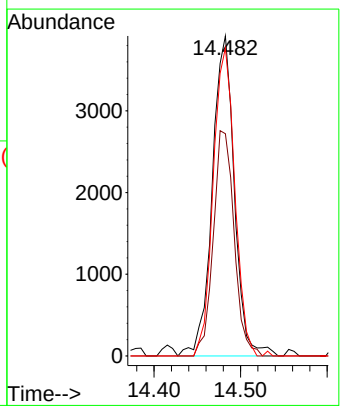
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

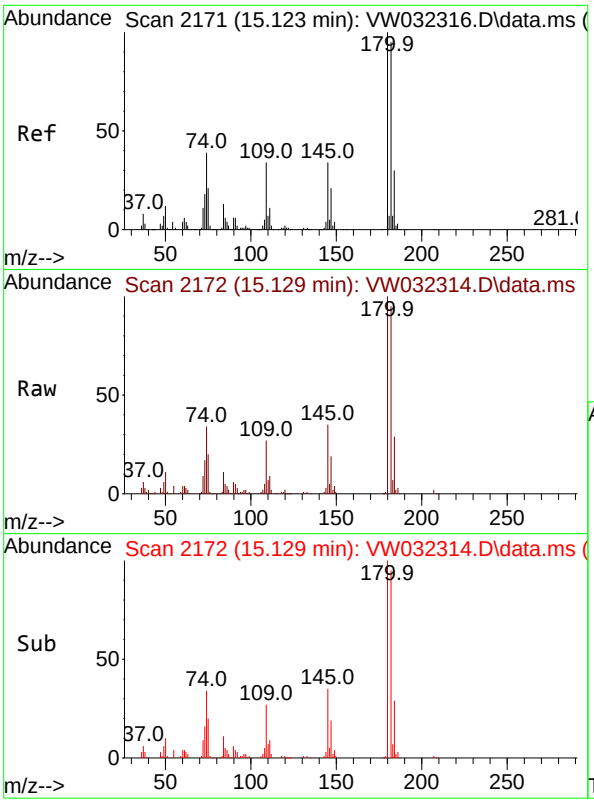


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.662 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion: 75 Resp: 6955

Ion	Ratio	Lower	Upper
75	100		
155	66.2	40.8	122.5
157	93.6	51.8	155.4





#93
1,2,4-Trichlorobenzene
Concen: 9.306 ug/l
RT: 15.129 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

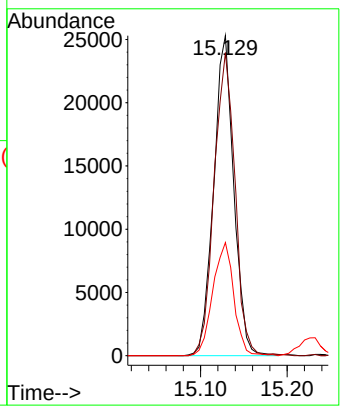
Tgt Ion:180 Resp: 4077

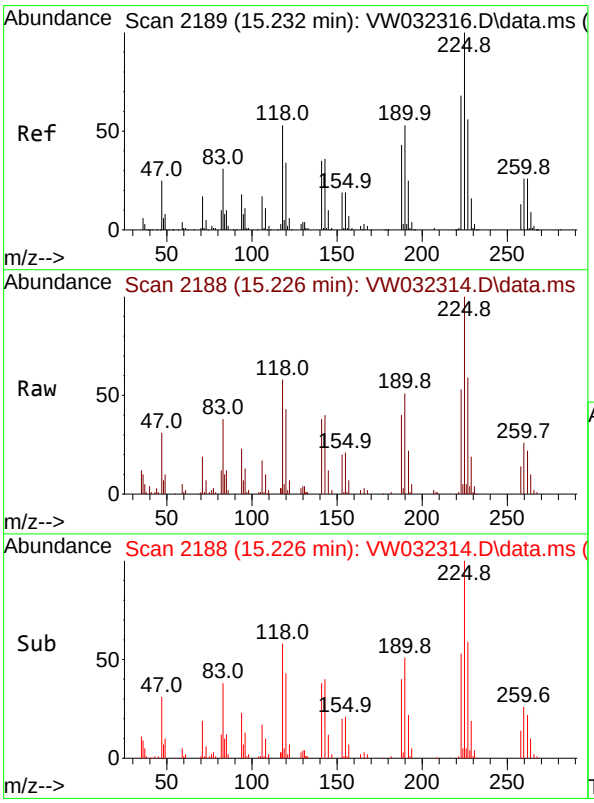
Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.4	142.2
145	37.0	16.4	49.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

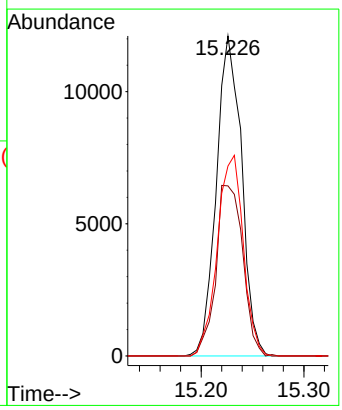


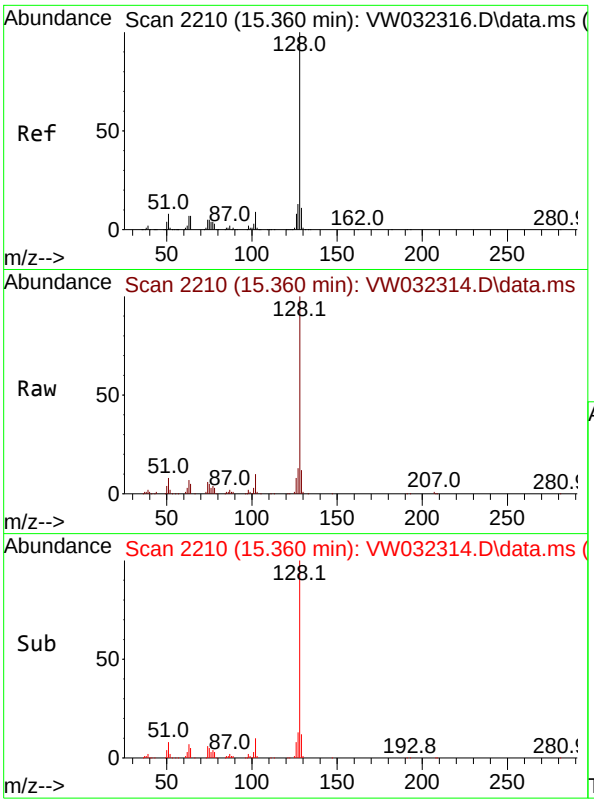


#94
Hexachlorobutadiene
Concen: 10.287 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:225 Resp: 20605

Ion	Ratio	Lower	Upper
225	100		
223	57.0	29.8	89.3
227	64.7	30.5	91.5

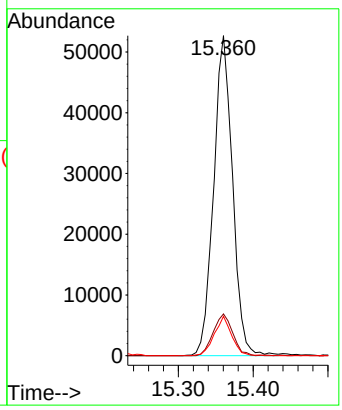




#95
Naphthalene
Concen: 8.829 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:128 Resp: 9289

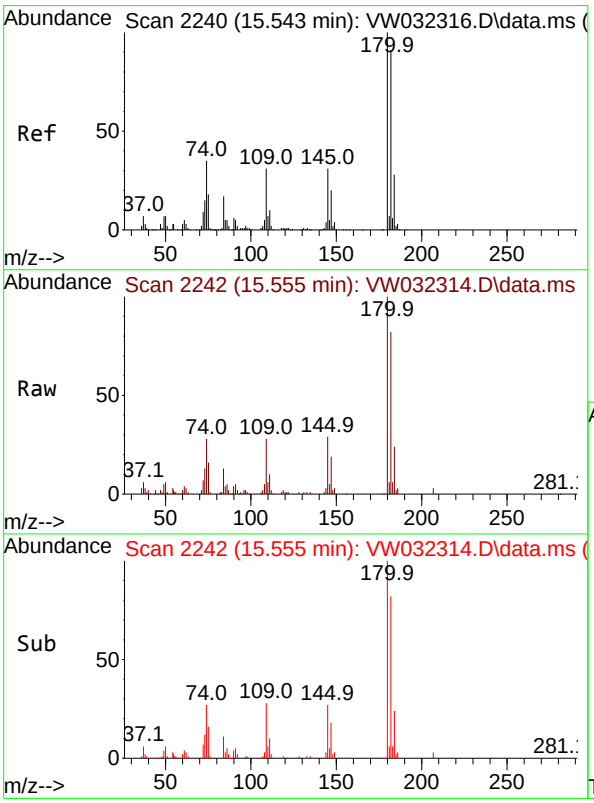
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.3	8.4	12.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

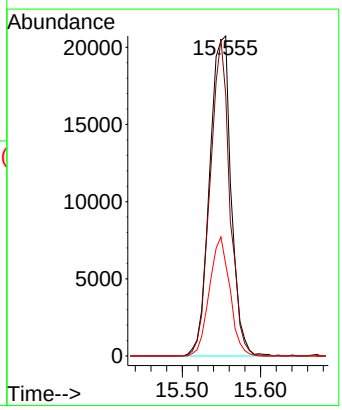
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.584 ug/l
RT: 15.555 min Scan# 2242
Delta R.T. 0.012 min
Lab File: VW032314.D
Acq: 01 Oct 2025 13:34

Tgt Ion:180 Resp: 39577

Ion	Ratio	Lower	Upper
180	100		
182	90.2	47.7	143.1
145	35.2	17.2	51.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032315.D
Acq On : 01 Oct 2025 14:15
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 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:14:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	281404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	536489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	481502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	241841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.312	65	86104	20.978	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	41.960%#		
35) Dibromofluoromethane	7.898	113	70270	20.225	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	40.460%#		
50) Toluene-d8	10.324	98	250144	19.507	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	39.020%#		
62) 4-Bromofluorobenzene	12.617	95	93567	19.305	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	38.620%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	38800	21.972	ug/l	95
3) Chloromethane	2.253	50	58031	21.298	ug/l	99
4) Vinyl Chloride	2.405	62	68214	20.970	ug/l	97
5) Bromomethane	2.813	94	48996	20.496	ug/l	99
6) Chloroethane	2.960	64	44339	20.645	ug/l	99
7) Trichlorofluoromethane	3.295	101	48412	19.877	ug/l	93
8) Diethyl Ether	3.716	74	43506	20.614	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.094	101	59004	20.198	ug/l	95
10) Methyl Iodide	4.301	142	88957	21.342	ug/l	97
11) Tert butyl alcohol	5.215	59	34233	110.188	ug/l	96
12) 1,1-Dichloroethene	4.075	96	67001	21.126	ug/l	97
13) Acrolein	3.923	56	57603	114.243	ug/l	96
14) Allyl chloride	4.697	41	107824	20.129	ug/l	91
15) Acrylonitrile	5.392	53	112746	102.687	ug/l	99
16) Acetone	4.155	43	117625	103.498	ug/l	94
17) Carbon Disulfide	4.417	76	177979	20.568	ug/l	99
18) Methyl Acetate	4.703	43	68880	21.157	ug/l	95
19) Methyl tert-butyl Ether	5.459	73	129438	20.722	ug/l	92
20) Methylene Chloride	4.947	84	91257	21.174	ug/l	90
21) trans-1,2-Dichloroethene	5.453	96	71565	20.381	ug/l	98
22) Diisopropyl ether	6.337	45	234704	21.068	ug/l	94
23) Vinyl Acetate	6.276	43	773956	104.011	ug/l	98
24) 1,1-Dichloroethane	6.234	63	140018	20.687	ug/l	98
25) 2-Butanone	7.191	43	160713	103.830	ug/l	98
26) 2,2-Dichloropropane	7.179	77	71502	20.653	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	86196	20.434	ug/l	93
28) Bromochloromethane	7.526	49	65600	20.601	ug/l	85
29) Tetrahydrofuran	7.550	42	101422	104.194	ug/l	94
30) Chloroform	7.691	83	143028	20.837	ug/l	99
31) Cyclohexane	7.965	56	117320	20.304	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	100837	20.731	ug/l	99
36) 1,1-Dichloropropene	8.093	75	97586	19.902	ug/l	97
37) Ethyl Acetate	7.276	43	64814	19.859	ug/l	99
38) Carbon Tetrachloride	8.081	117	91643	19.861	ug/l	100
39) Methylcyclohexane	9.343	83	113500	19.190	ug/l	96
40) Benzene	8.331	78	309105	20.112	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032315.D
Acq On : 01 Oct 2025 14:15
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 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:14:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	37010	21.042	ug/l		90
42) 1,2-Dichloroethane	8.410	62	101383	20.160	ug/l		100
43) Isopropyl Acetate	8.434	43	115725	19.988	ug/l		99
44) Trichloroethene	9.099	130	70719	19.651	ug/l		98
45) 1,2-Dichloropropane	9.373	63	77815	20.284	ug/l		98
46) Dibromomethane	9.459	93	47632	20.192	ug/l		95
47) Bromodichloromethane	9.654	83	107295	19.886	ug/l		97
48) Methyl methacrylate	9.440	41	55063	19.561	ug/l		95
49) 1,4-Dioxane	9.465	88	13352	414.108	ug/l	#	85
51) 4-Methyl-2-Pentanone	10.208	43	341386	101.802	ug/l		98
52) Toluene	10.391	92	192396	20.102	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	100559	19.211	ug/l		97
54) cis-1,3-Dichloropropene	10.074	75	117968	19.565	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	63272	20.068	ug/l		98
56) Ethyl methacrylate	10.647	69	85643	19.407	ug/l		94
57) 1,3-Dichloropropane	10.934	76	112943	20.283	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	219091	93.287	ug/l		96
59) 2-Hexanone	10.971	43	242814	102.664	ug/l		97
60) Dibromochloromethane	11.129	129	71782	20.051	ug/l		100
61) 1,2-Dibromoethane	11.233	107	61899	20.135	ug/l		98
64) Tetrachloroethene	10.867	164	57503	19.958	ug/l		97
65) Chlorobenzene	11.653	112	213655	20.167	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.733	131	66918	20.280	ug/l		98
67) Ethyl Benzene	11.727	91	355003	20.103	ug/l		97
68) m/p-Xylenes	11.836	106	275521	40.461	ug/l		96
69) o-Xylene	12.165	106	125849	19.762	ug/l		95
70) Styrene	12.178	104	230999	20.776	ug/l		97
71) Bromoform	12.348	173	37059	19.593	ug/l	#	97
73) Isopropylbenzene	12.464	105	325413	19.668	ug/l		99
74) N-amyl acetate	12.269	43	104472	19.793	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.708	83	82334	20.041	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	61898m	19.396	ug/l		
77) Bromobenzene	12.745	156	78072	19.575	ug/l		88
78) n-propylbenzene	12.799	91	414530	20.057	ug/l		97
79) 2-Chlorotoluene	12.891	91	251889	19.933	ug/l		97
80) 1,3,5-Trimethylbenzene	12.940	105	276218	19.307	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	23628	18.808	ug/l		98
82) 4-Chlorotoluene	12.982	91	268736	20.002	ug/l		99
83) tert-Butylbenzene	13.202	119	231081	19.685	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	294630	20.253	ug/l		97
85) sec-Butylbenzene	13.379	105	344593	19.209	ug/l		99
86) p-Isopropyltoluene	13.494	119	298543	20.057	ug/l		99
87) 1,3-Dichlorobenzene	13.501	146	157169	19.461	ug/l		94
88) 1,4-Dichlorobenzene	13.574	146	164453	20.364	ug/l		96
89) n-Butylbenzene	13.818	91	284638	19.585	ug/l		98
90) Hexachloroethane	14.086	117	50102	18.779	ug/l		94
91) 1,2-Dichlorobenzene	13.866	146	150657	20.636	ug/l		91
92) 1,2-Dibromo-3-Chloropr...	14.482	75	14474	20.123	ug/l		84
93) 1,2,4-Trichlorobenzene	15.122	180	83681	19.115	ug/l		99
94) Hexachlorobutadiene	15.226	225	36708	18.340	ug/l		90
95) Naphthalene	15.360	128	209101	19.889	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	81141	19.664	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032315.D
Acq On : 01 Oct 2025 14:15
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 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:14:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

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

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

ICAL Form

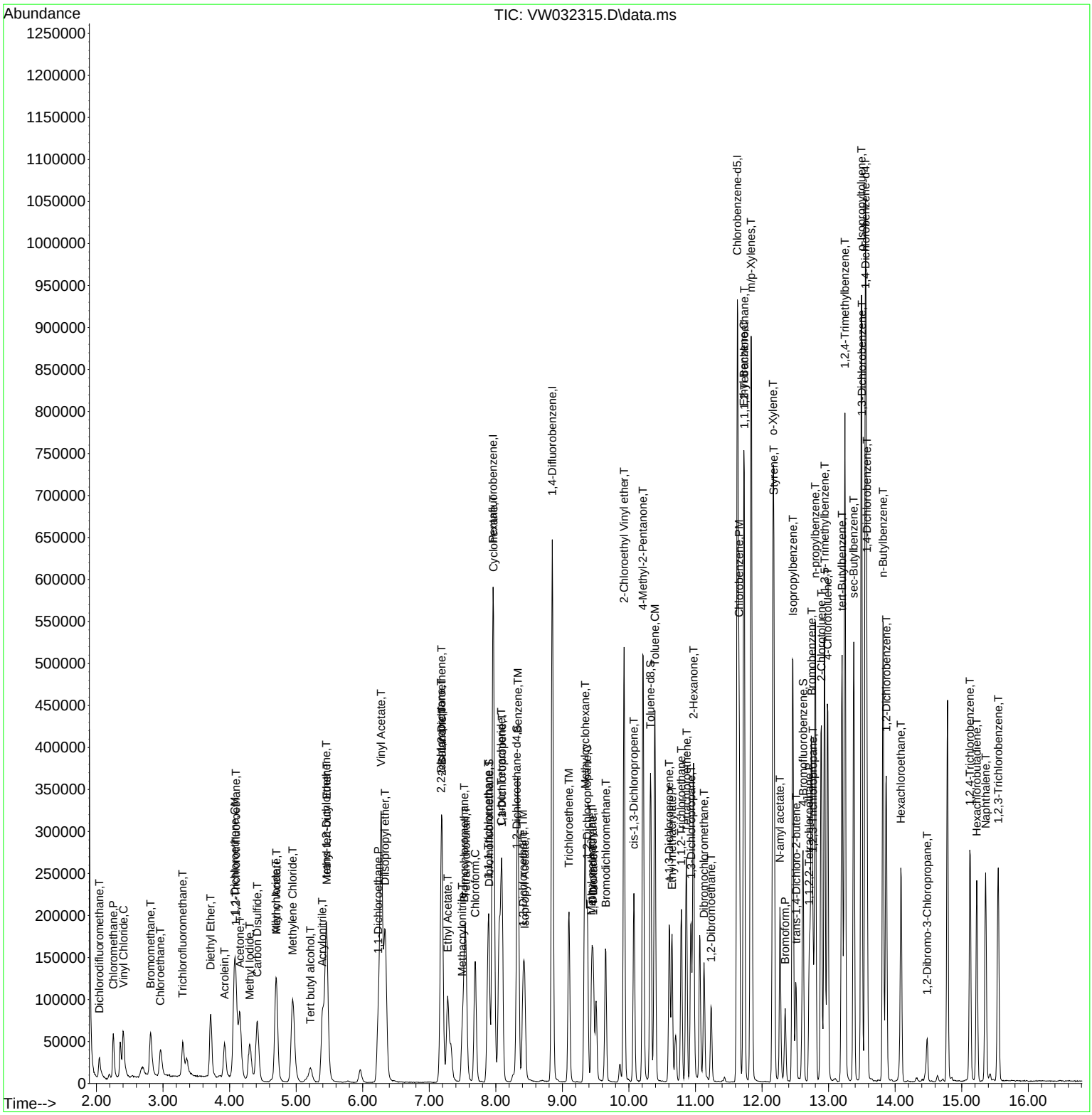
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032315.D
Acq On : 01 Oct 2025 14:15
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

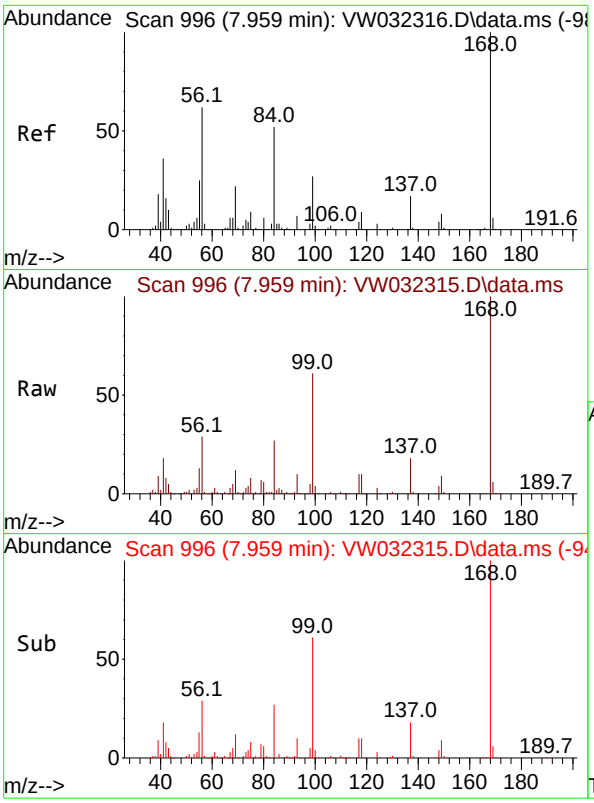
Quant Time: Oct 02 21:14:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

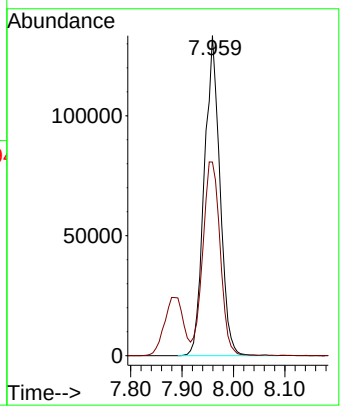




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:168 Resp: 28140

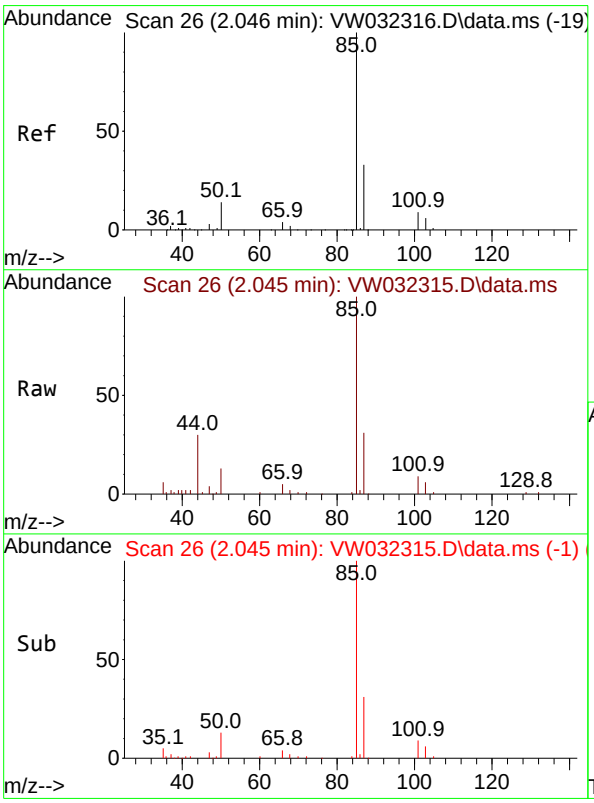
Ion	Ratio	Lower	Upper
168	100		
99	60.5	49.3	73.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

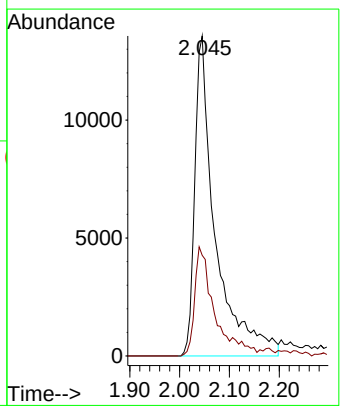
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

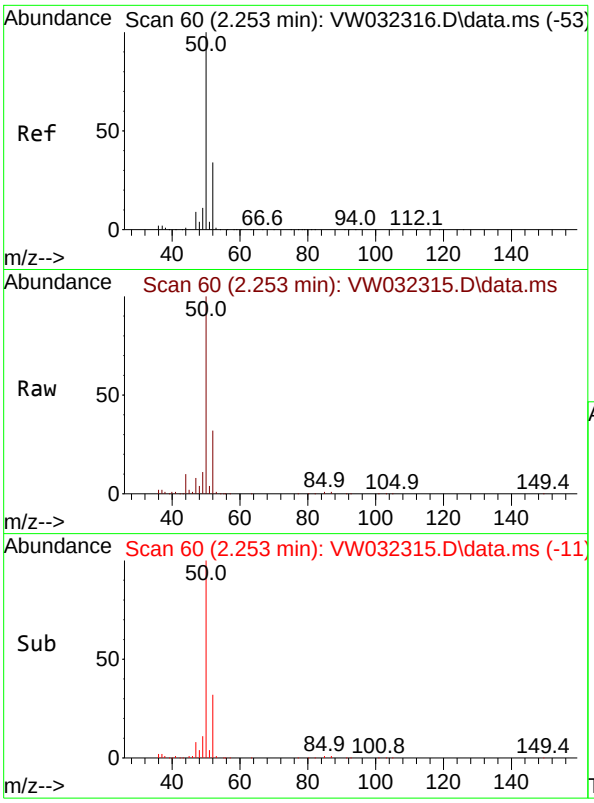


#2
Dichlorodifluoromethane
Concen: 21.972 ug/l
RT: 2.045 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 85 Resp: 38800

Ion	Ratio	Lower	Upper
85	100		
87	31.4	17.2	51.6

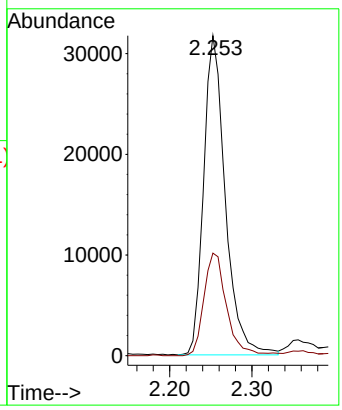




#3
Chloromethane
Concen: 21.298 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 50 Resp: 5803

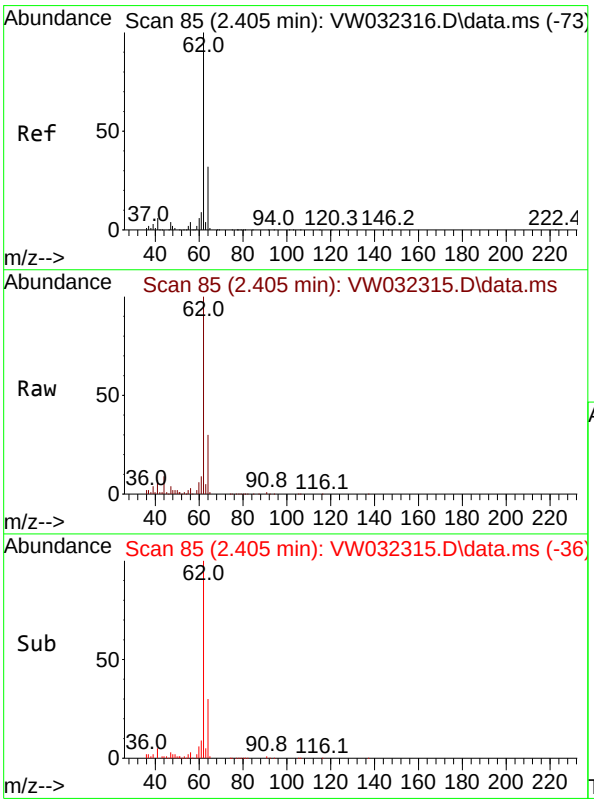
Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.1	39.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

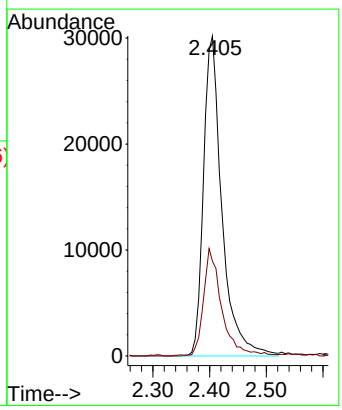
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

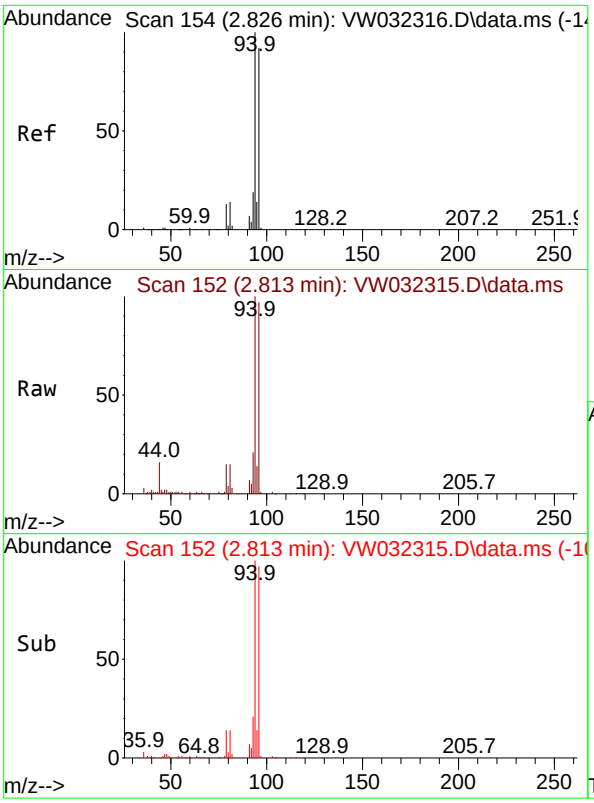


#4
Vinyl Chloride
Concen: 20.970 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 62 Resp: 68214

Ion	Ratio	Lower	Upper
62	100		
64	29.4	24.8	37.2





#5
Bromomethane
Concen: 20.496 ug/l
RT: 2.813 min Scan# 1
Delta R.T. -0.013 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

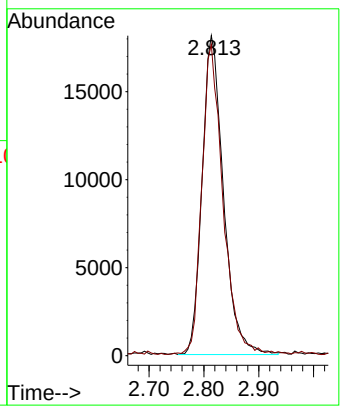
Tgt Ion: 94 Resp: 4899

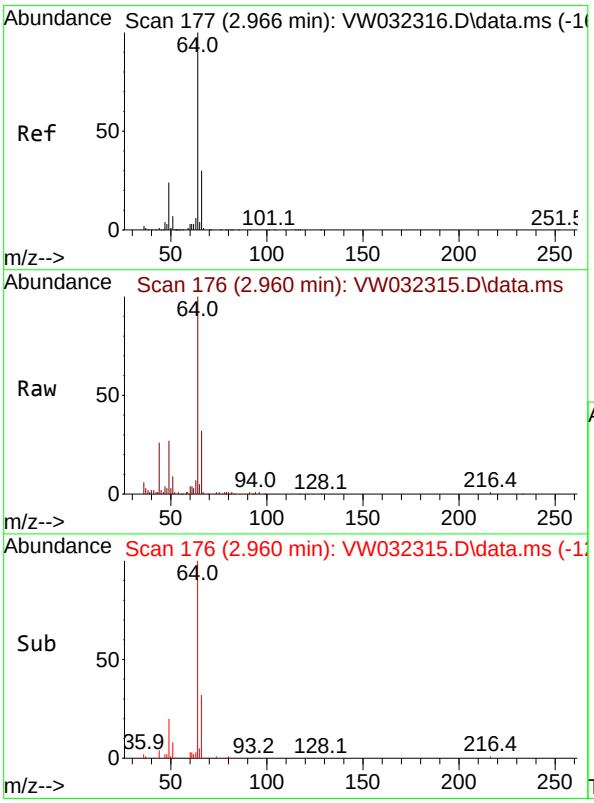
Ion	Ratio	Lower	Upper
94	100		
96	96.8	76.6	115.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

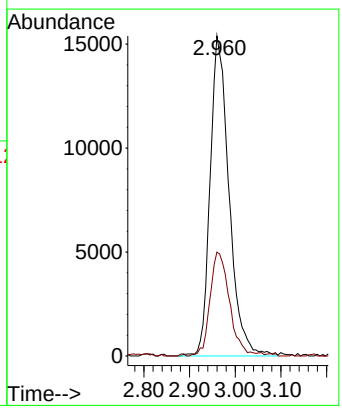


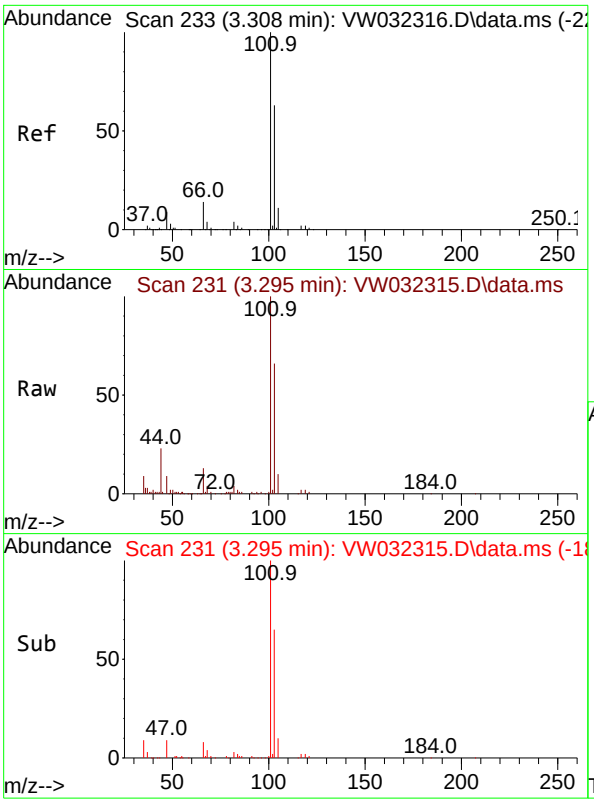


#6
Chloroethane
Concen: 20.645 ug/l
RT: 2.960 min Scan# 176
Delta R.T. -0.013 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 64 Resp: 44339

Ion	Ratio	Lower	Upper
64	100		
66	32.4	26.2	39.4





#7
Trichlorofluoromethane
Concen: 19.877 ug/l
RT: 3.295 min Scan# 2
Delta R.T. -0.013 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

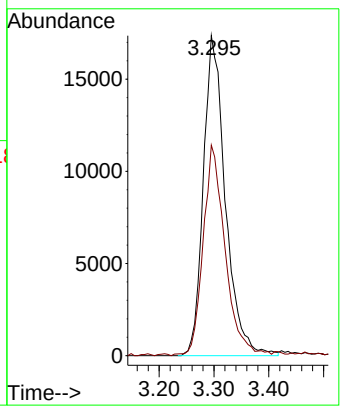
Tgt Ion:101 Resp: 4841

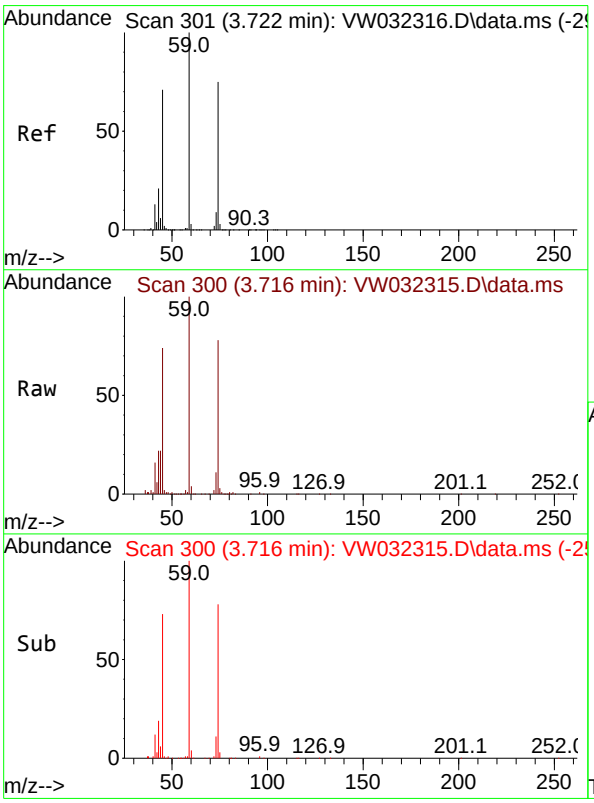
Ion	Ratio	Lower	Upper
101	100		
103	65.3	47.8	71.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

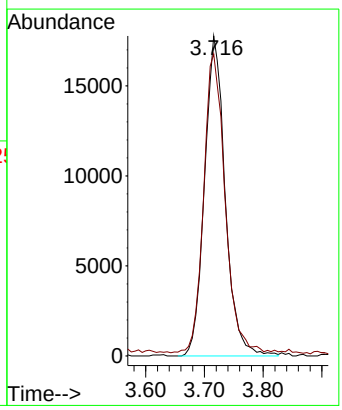


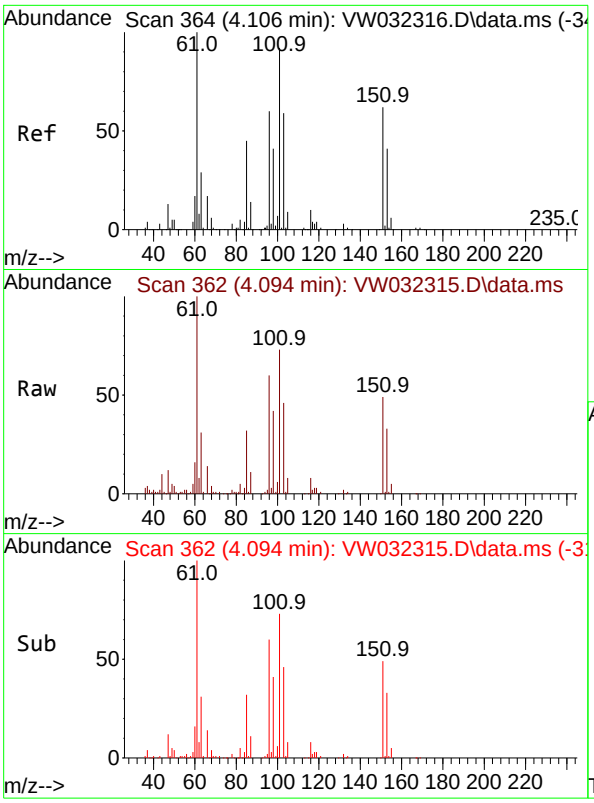


#8
Diethyl Ether
Concen: 20.614 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 74 Resp: 43506

Ion	Ratio	Lower	Upper
74	100		
45	96.4	43.1	129.4

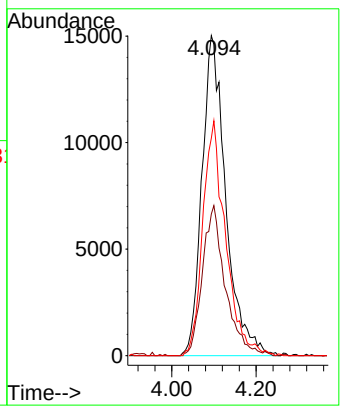




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.198 ug/l
RT: 4.094 min Scan# 3
Delta R.T. -0.013 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:101 Resp: 5900

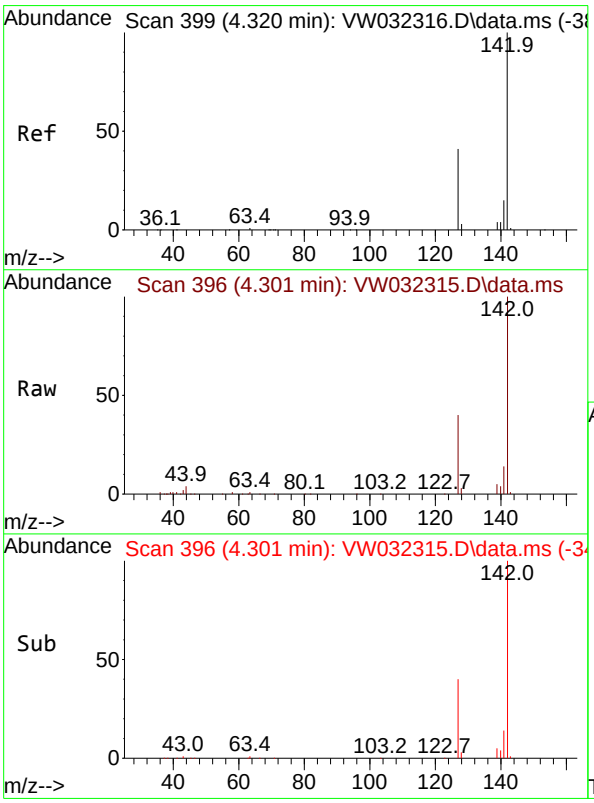
Ion	Ratio	Lower	Upper
101	100		
85	45.3	37.1	55.7
151	70.3	61.5	92.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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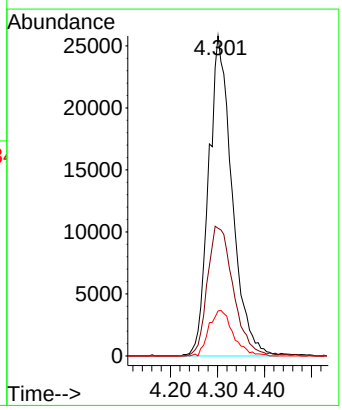
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

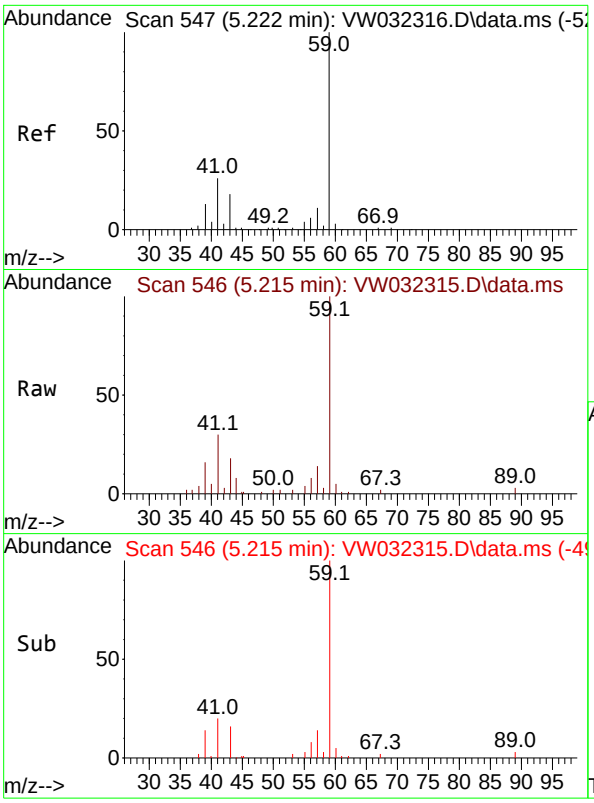


#10
Methyl Iodide
Concen: 21.342 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.013 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:142 Resp: 88957

Ion	Ratio	Lower	Upper
142	100		
127	45.2	38.2	57.2
141	14.8	12.2	18.2





#11
Tert butyl alcohol
Concen: 110.188 ug/l
RT: 5.215 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

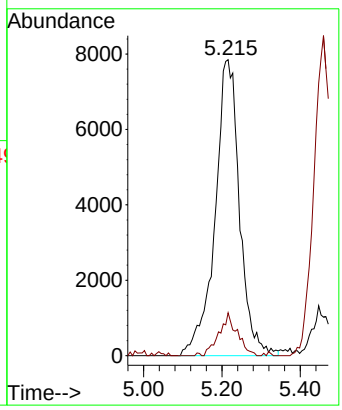
Tgt Ion: 59 Resp: 3423

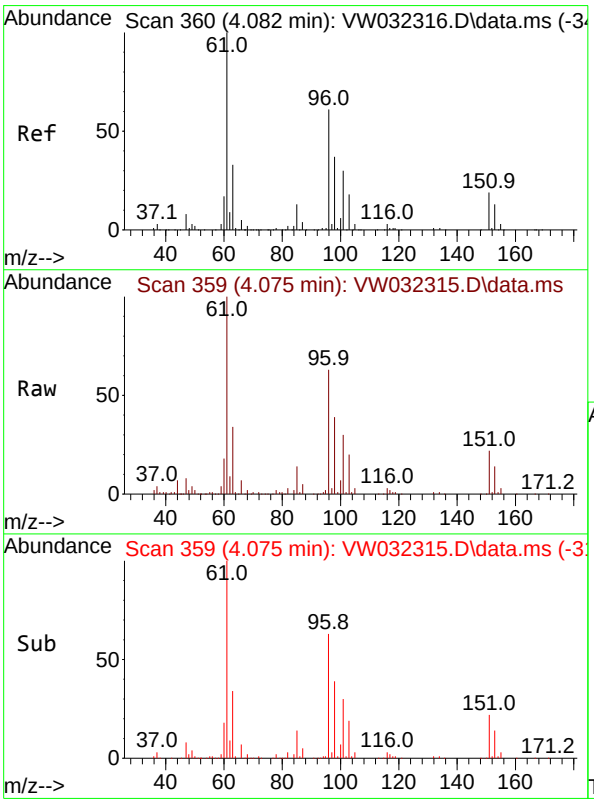
Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.8	14.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

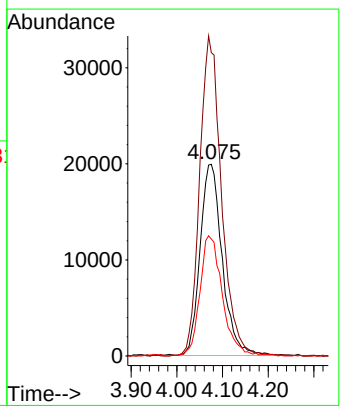


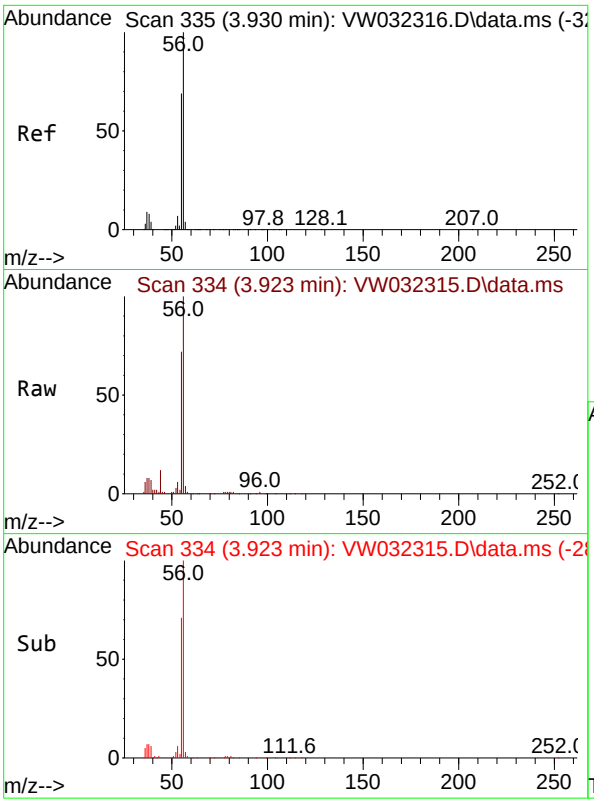


#12
1,1-Dichloroethene
Concen: 21.126 ug/l
RT: 4.075 min Scan# 359
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 96 Resp: 67001

Ion	Ratio	Lower	Upper
96	100		
61	158.2	123.0	184.4
98	61.2	48.5	72.7

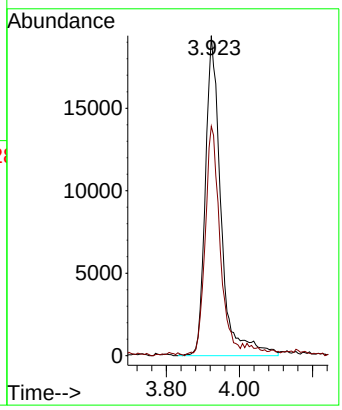




#13
Acrolein
Concen: 114.243 ug/l
RT: 3.923 min Scan# 3
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 56 Resp: 5760

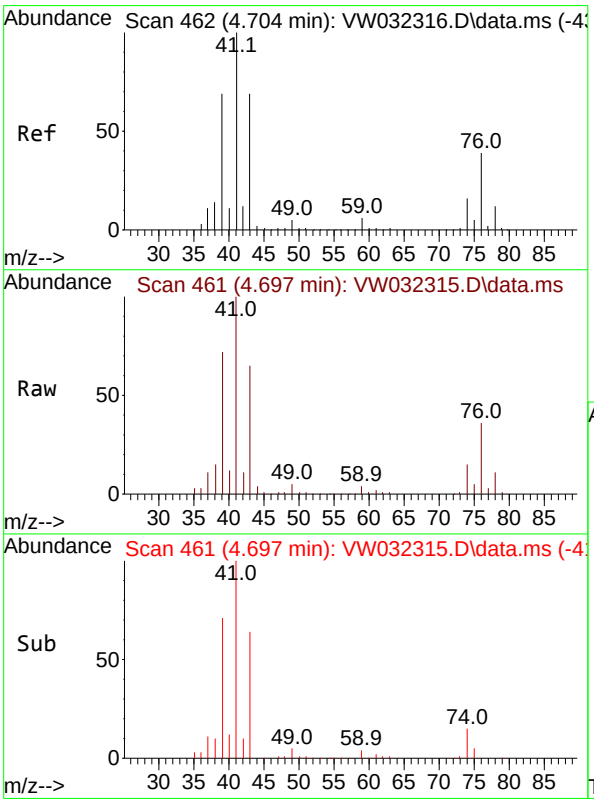
Ion	Ratio	Lower	Upper
56	100		
55	67.4	56.4	84.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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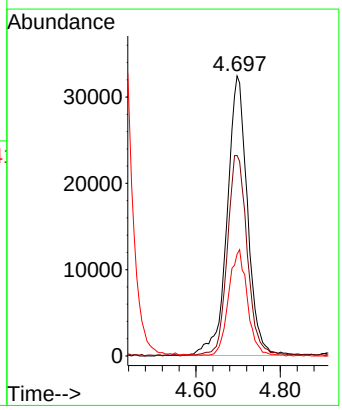
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

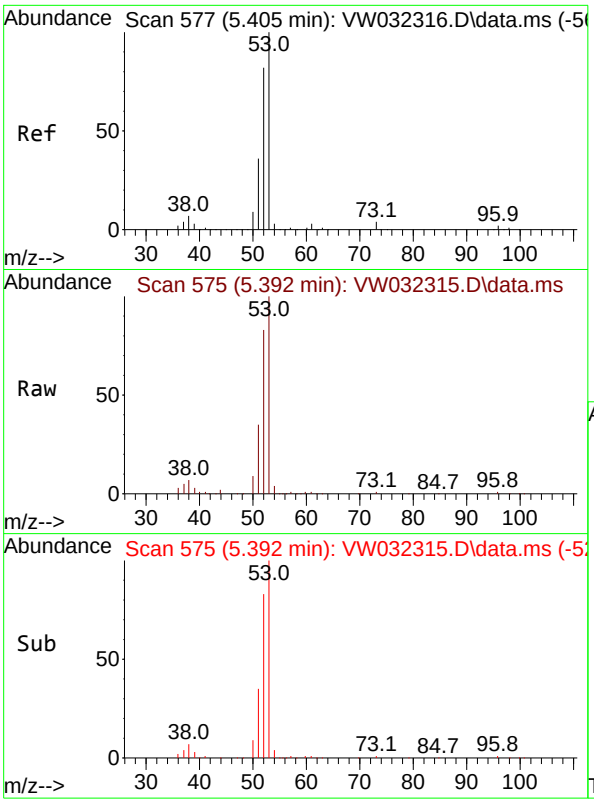


#14
Allyl chloride
Concen: 20.129 ug/l
RT: 4.697 min Scan# 461
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 41 Resp: 107824

Ion	Ratio	Lower	Upper
41	100		
39	71.4	64.1	96.1
76	35.7	31.4	47.2

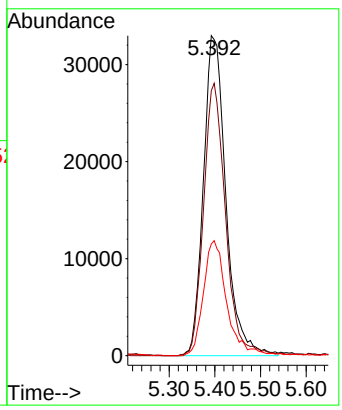




#15
Acrylonitrile
Concen: 102.687 ug/l
RT: 5.392 min Scan# 5
Delta R.T. -0.013 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 53 Resp: 11274

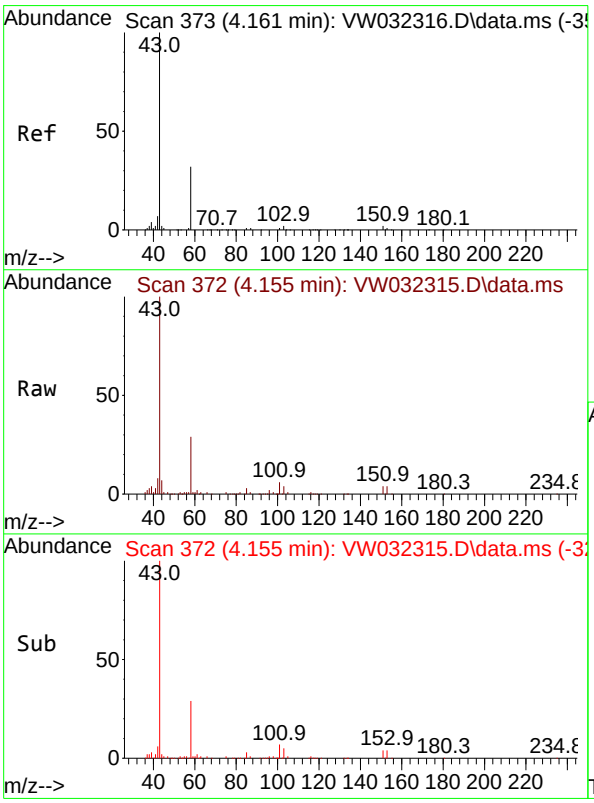
Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.4	101.2
51	37.5	30.3	45.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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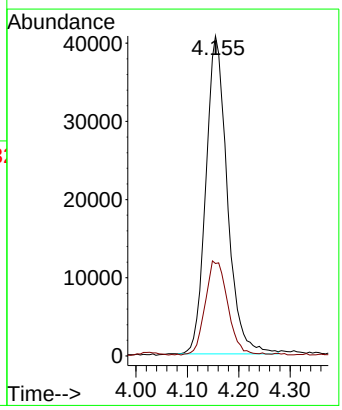
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

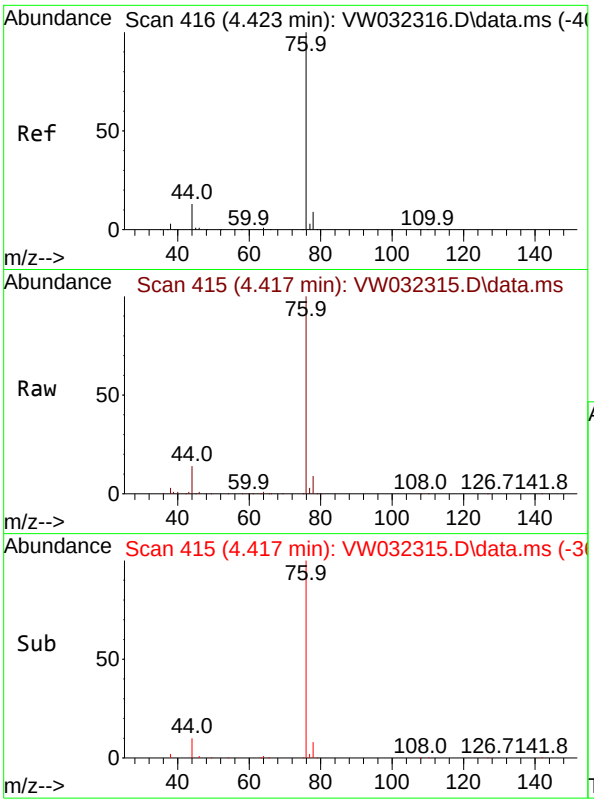


#16
Acetone
Concen: 103.498 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 43 Resp: 117625

Ion	Ratio	Lower	Upper
43	100		
58	28.5	25.3	37.9





#17
Carbon Disulfide
Concen: 20.568 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

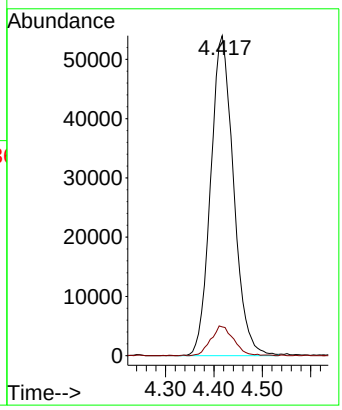
Tgt Ion: 76 Resp: 17797

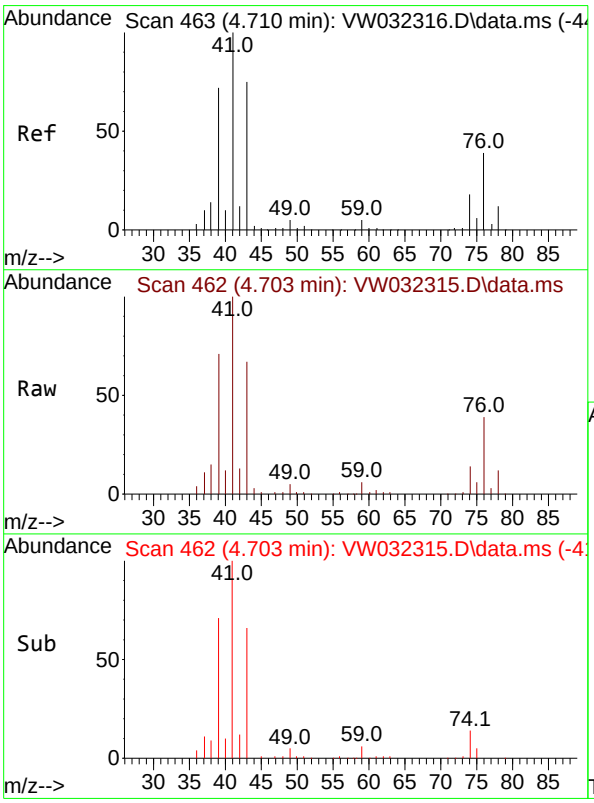
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

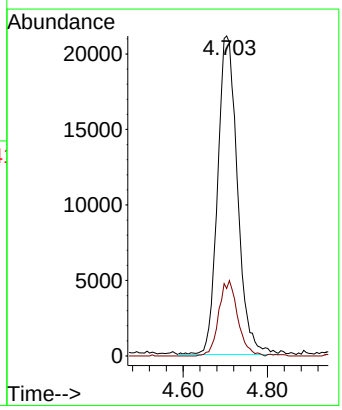


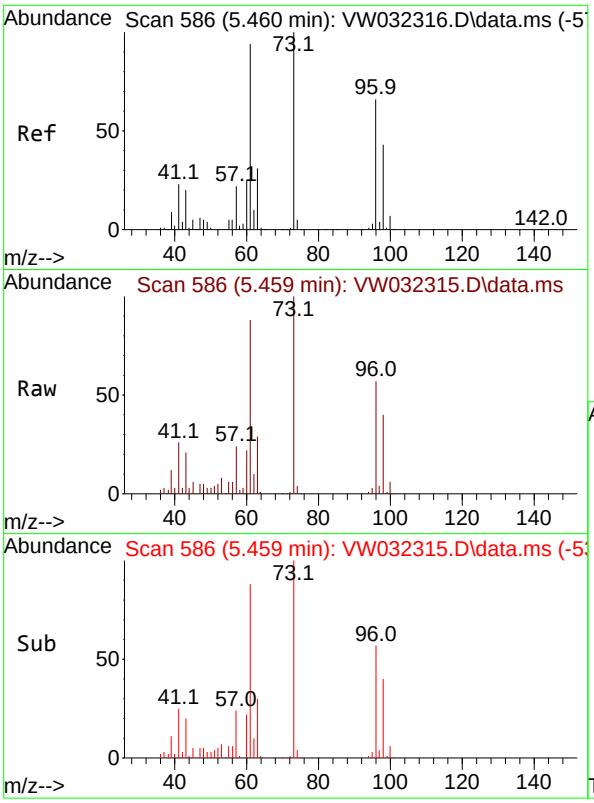


#18
Methyl Acetate
Concen: 21.157 ug/l
RT: 4.703 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 43 Resp: 68880

Ion	Ratio	Lower	Upper
43	100		
74	22.6	20.2	30.4





#19
Methyl tert-butyl Ether
Concen: 20.722 ug/l
RT: 5.459 min Scan# 5
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

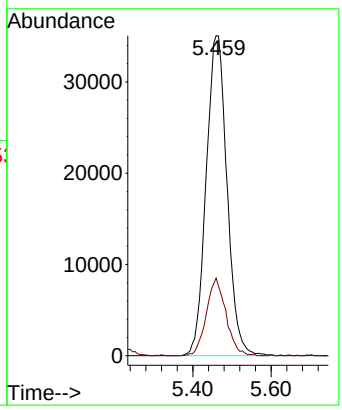
Tgt Ion: 73 Resp: 12943

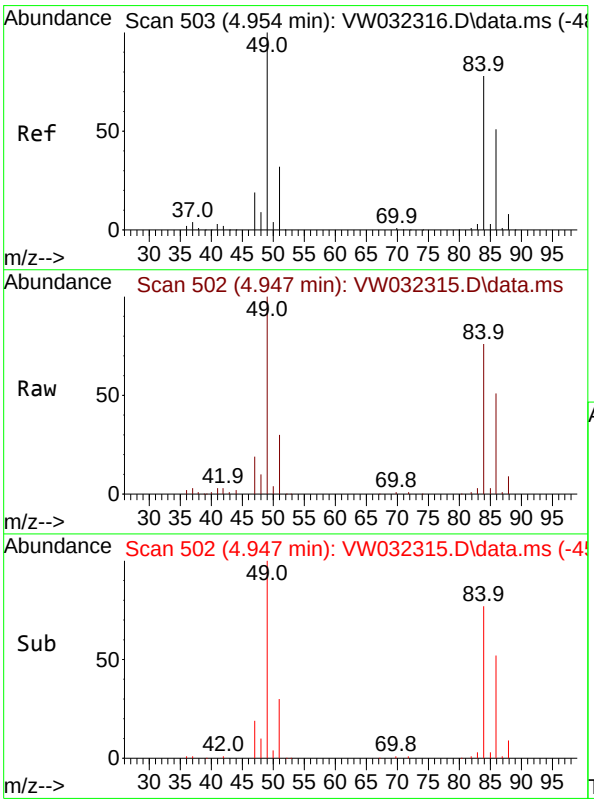
Ion	Ratio	Lower	Upper
73	100		
57	24.2	16.2	24.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

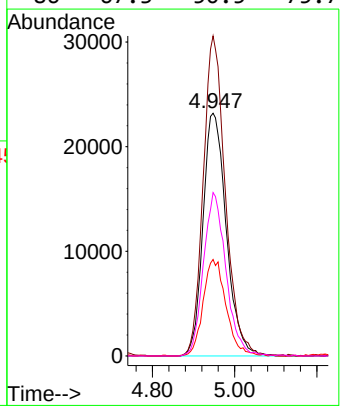


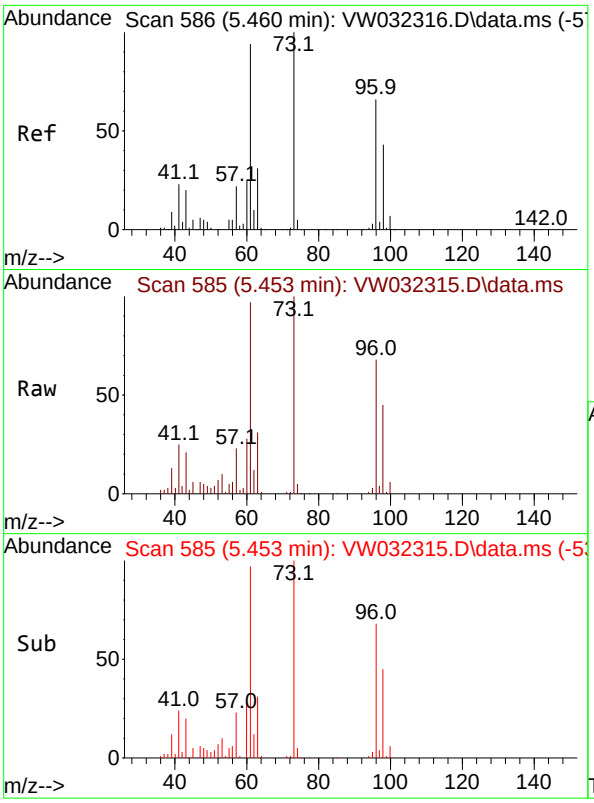


#20
Methylene Chloride
Concen: 21.174 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.013 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 84 Resp: 91257

Ion	Ratio	Lower	Upper
84	100		
49	131.8	92.2	138.4
51	39.7	31.0	46.6
86	67.3	50.5	75.7

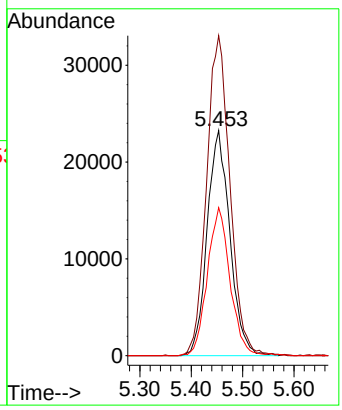




#21
trans-1,2-Dichloroethene
Concen: 20.381 ug/l
RT: 5.453 min Scan# 5
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 96 Resp: 7156

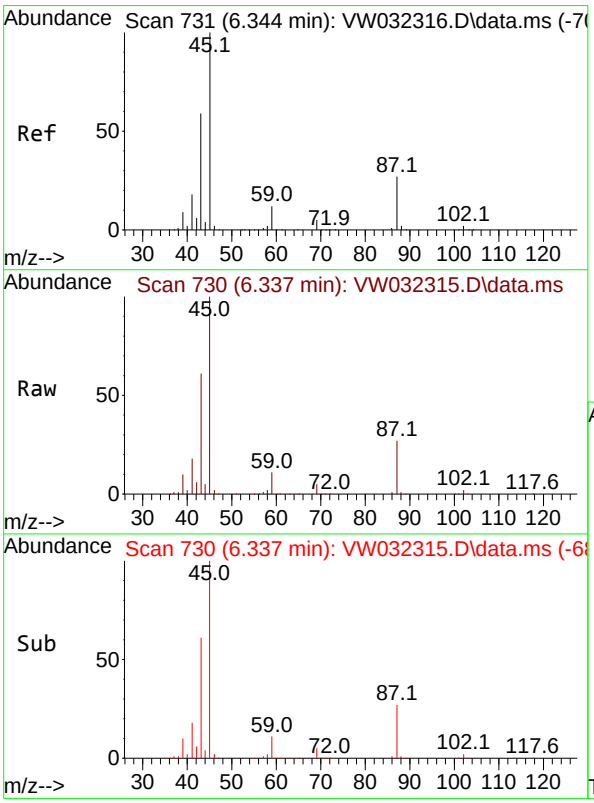
Ion	Ratio	Lower	Upper
96	100		
61	142.1	112.5	168.7
98	65.7	54.2	81.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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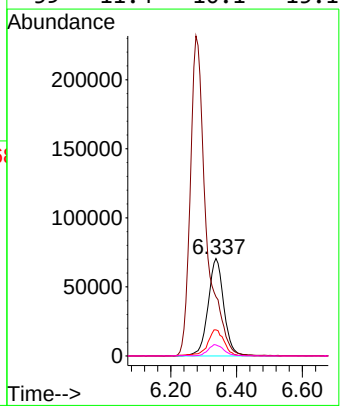
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

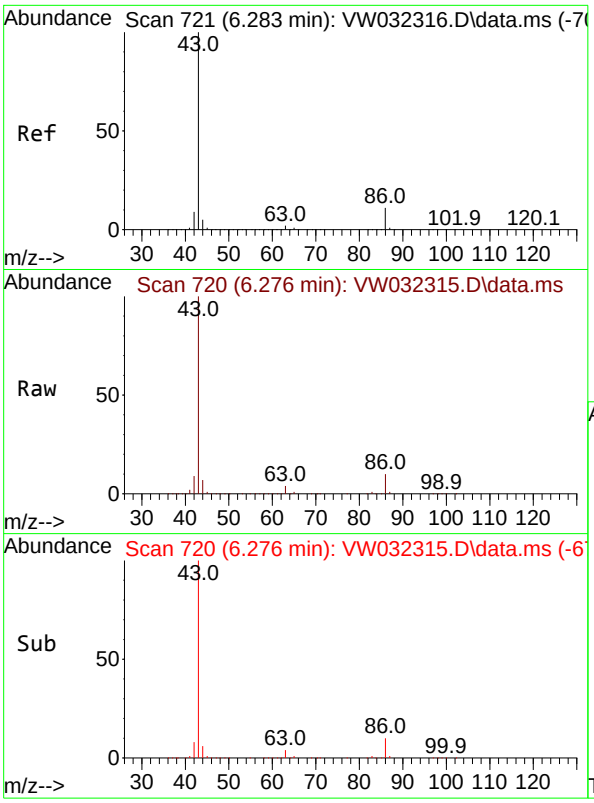


#22
Diisopropyl ether
Concen: 21.068 ug/l
RT: 6.337 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 45 Resp: 234704

Ion	Ratio	Lower	Upper
45	100		
43	60.2	51.4	77.2
87	26.7	25.9	38.9
59	11.4	10.1	15.1





#23
Vinyl Acetate
Concen: 104.011 ug/l
RT: 6.276 min Scan# 7
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

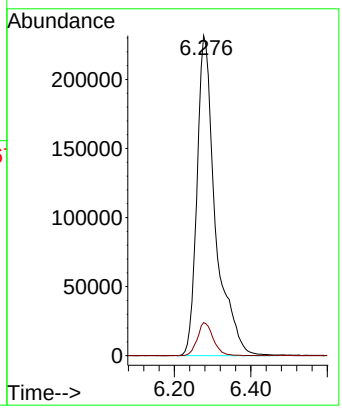
Tgt Ion: 43 Resp: 77395

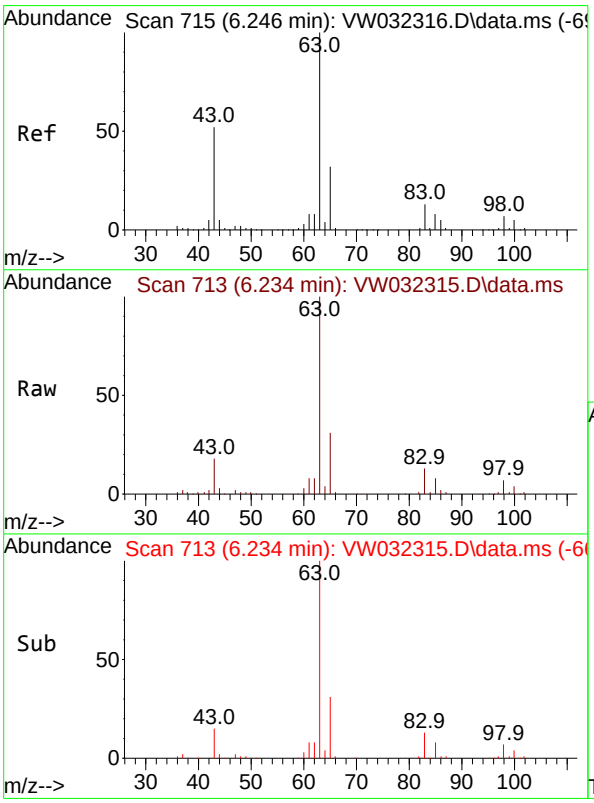
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.8	13.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

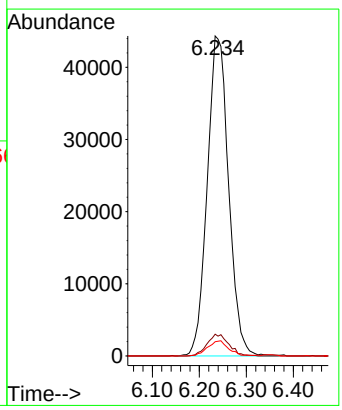


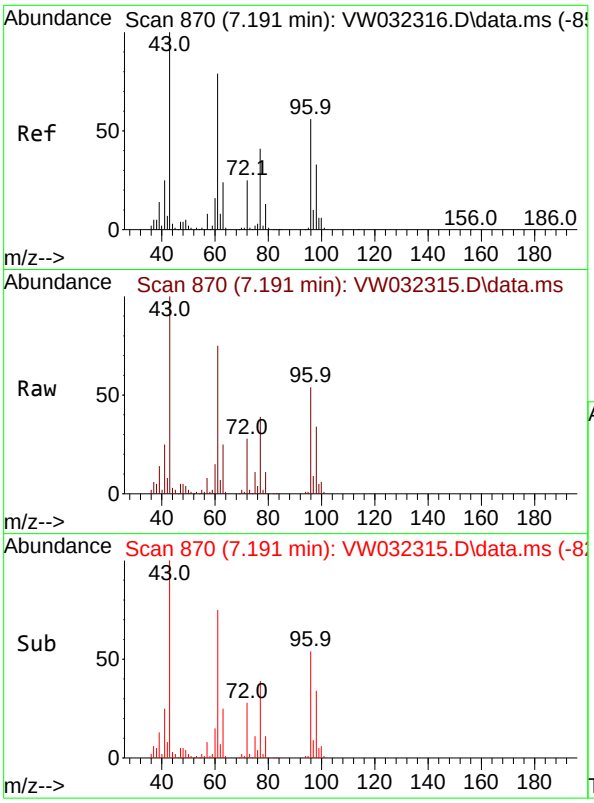


#24
1,1-Dichloroethane
Concen: 20.687 ug/l
RT: 6.234 min Scan# 713
Delta R.T. -0.013 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 63 Resp: 140018

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.4	2.5	7.5





#25
2-Butanone
Concen: 103.830 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

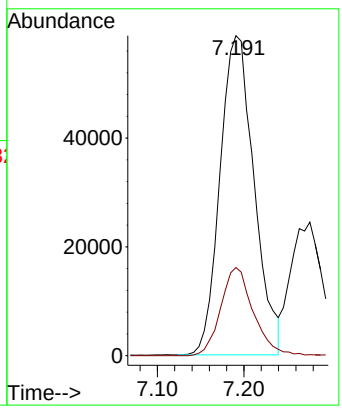
Tgt Ion: 43 Resp: 16071

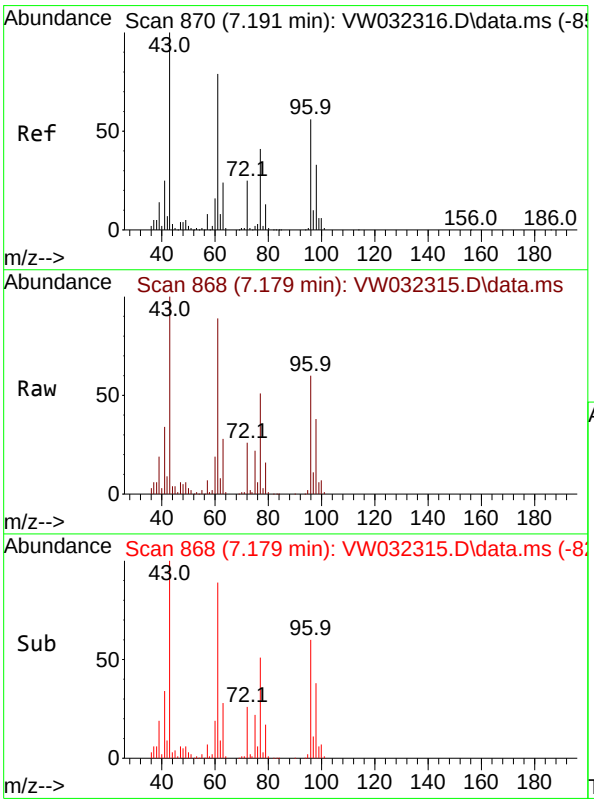
Ion	Ratio	Lower	Upper
43	100		
72	27.6	21.4	32.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

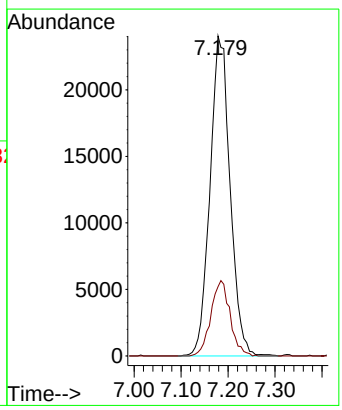


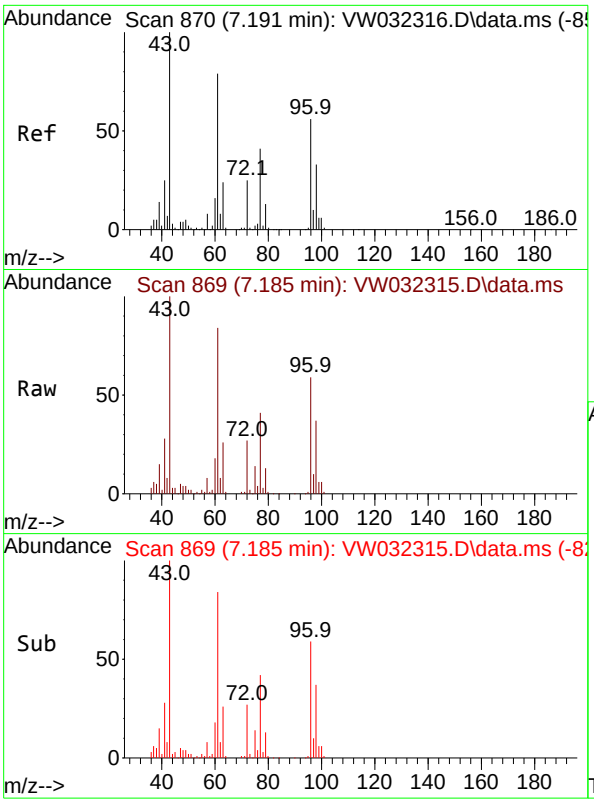


#26
2,2-Dichloropropane
Concen: 20.653 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 77 Resp: 71502

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.9	35.5

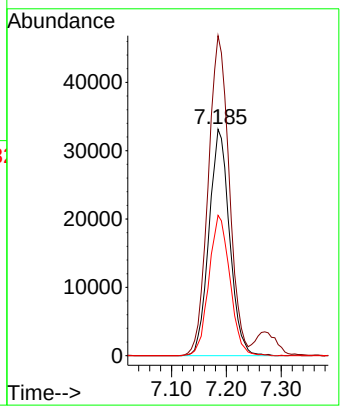




#27
cis-1,2-Dichloroethene
Concen: 20.434 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 96 Resp: 8619

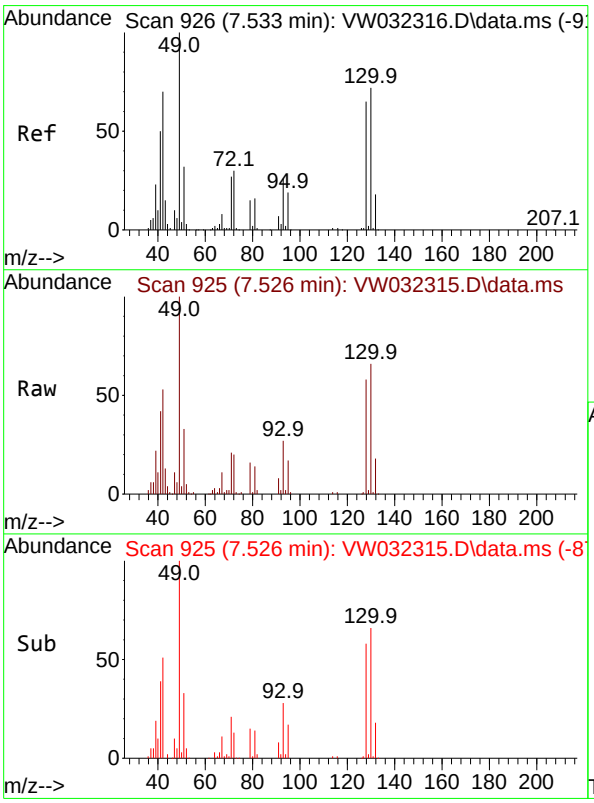
Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	268.0
98	63.4	0.0	130.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

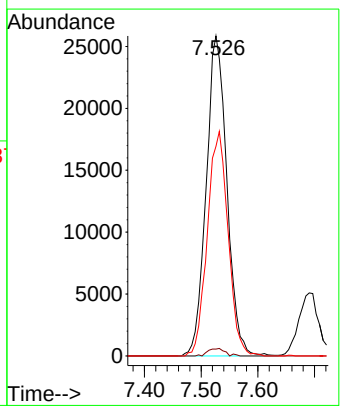
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

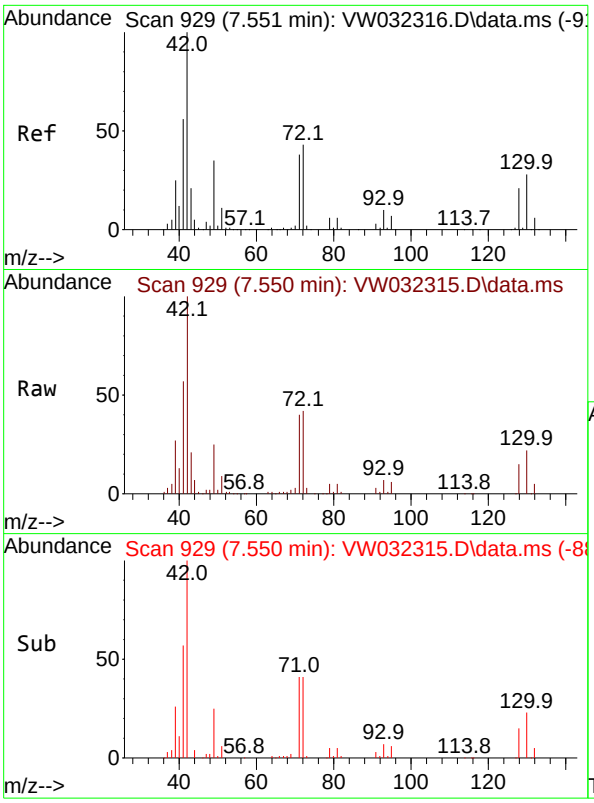


#28
Bromochloromethane
Concen: 20.601 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 49 Resp: 65600

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	70.3	67.5	101.3

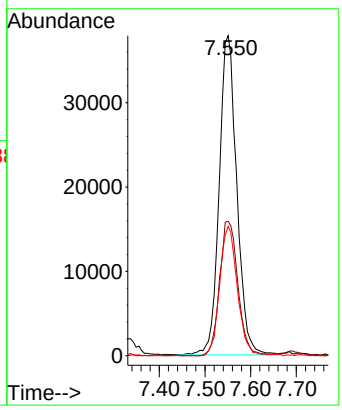




#29
Tetrahydrofuran
Concen: 104.194 ug/l
RT: 7.550 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 42 Resp: 10142

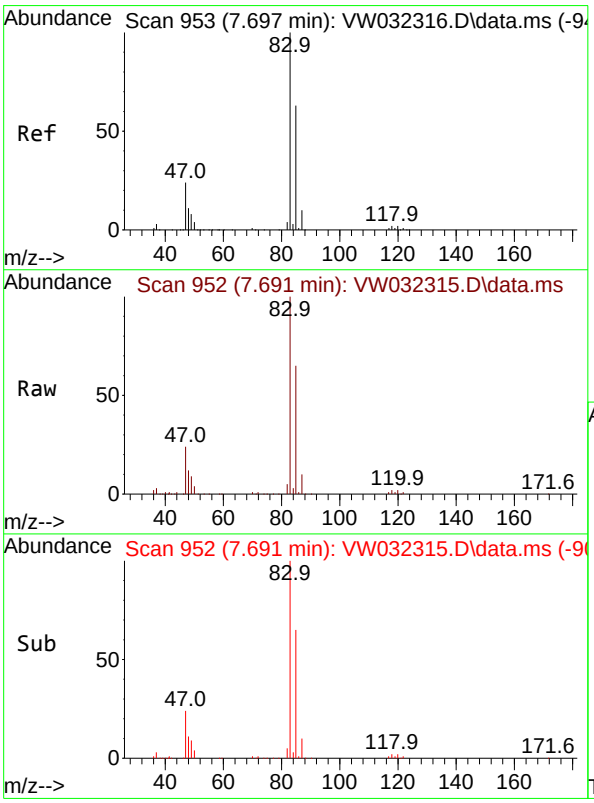
Ion	Ratio	Lower	Upper
42	100		
72	43.9	37.4	56.2
71	40.6	36.0	54.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

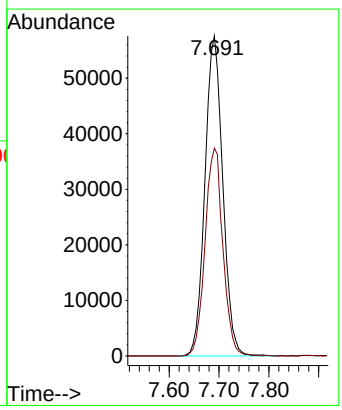
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

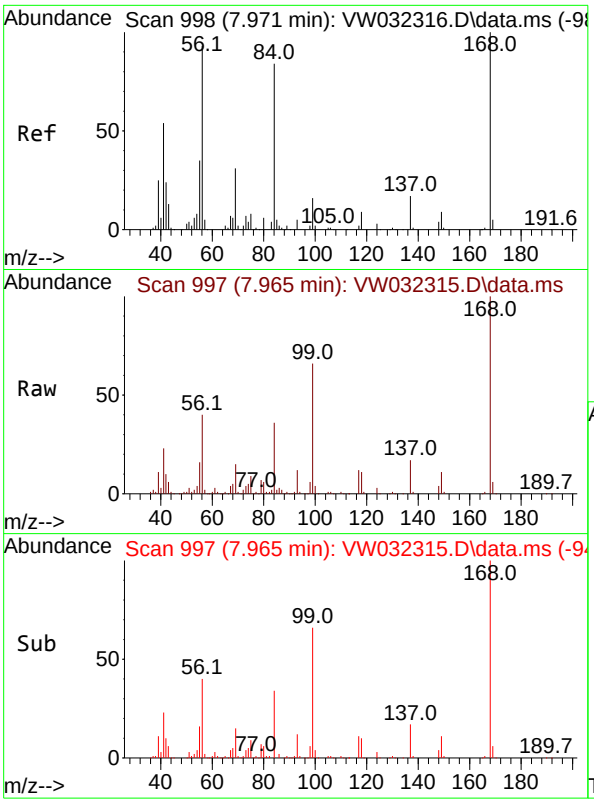


#30
Chloroform
Concen: 20.837 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 83 Resp: 143028

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.2	76.8

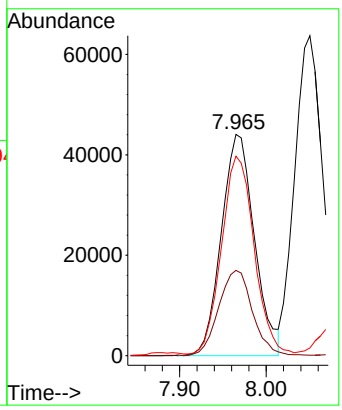




#31
Cyclohexane
Concen: 20.304 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 56 Resp: 11732

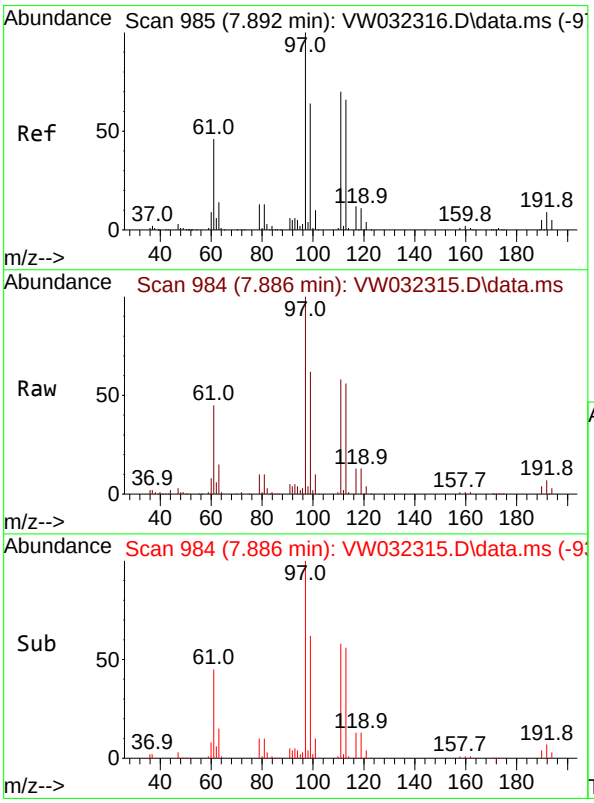
Ion	Ratio	Lower	Upper
56	100		
69	38.2	27.7	41.5
84	89.0	74.6	112.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

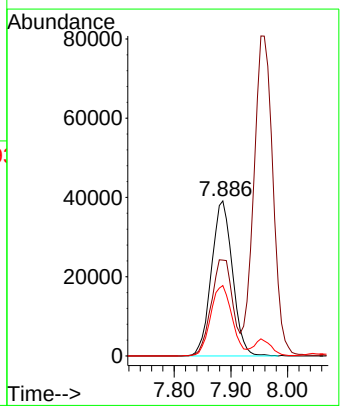
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

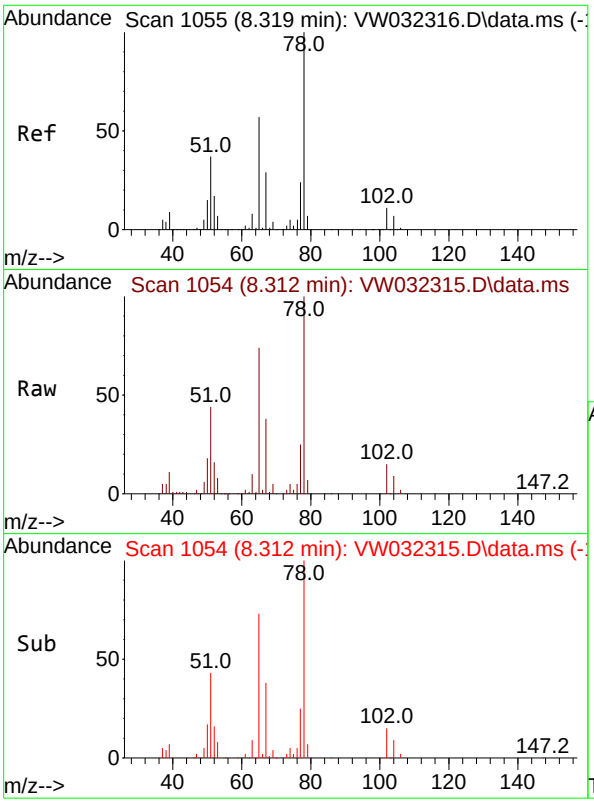


#32
1,1,1-Trichloroethane
Concen: 20.731 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 97 Resp: 100837

Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.9	76.3
61	46.6	36.2	54.4

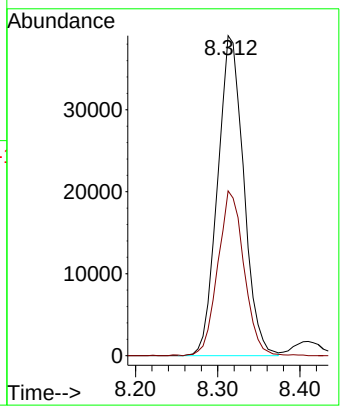




#33
1,2-Dichloroethane-d4
Concen: 20.978 ug/l
RT: 8.312 min Scan# 1
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 65 Resp: 8610

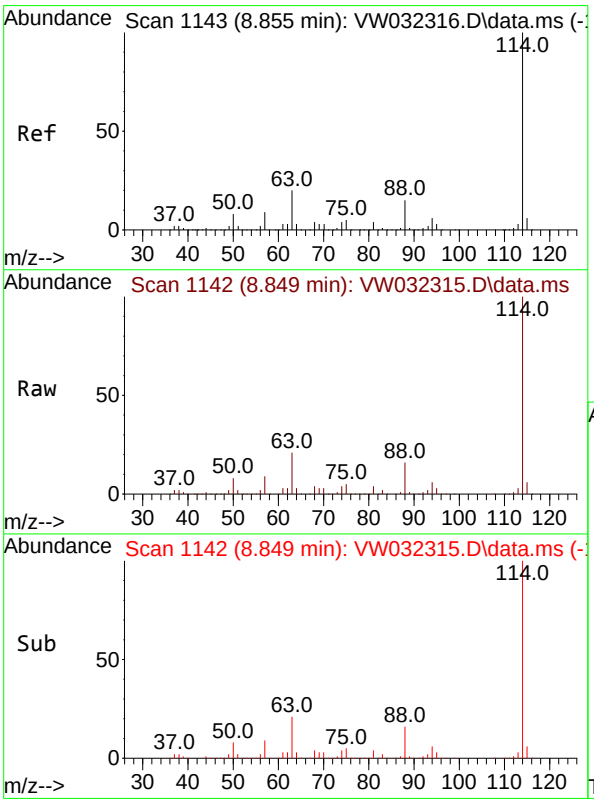
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	99.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

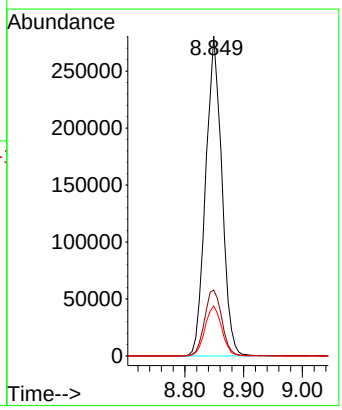
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

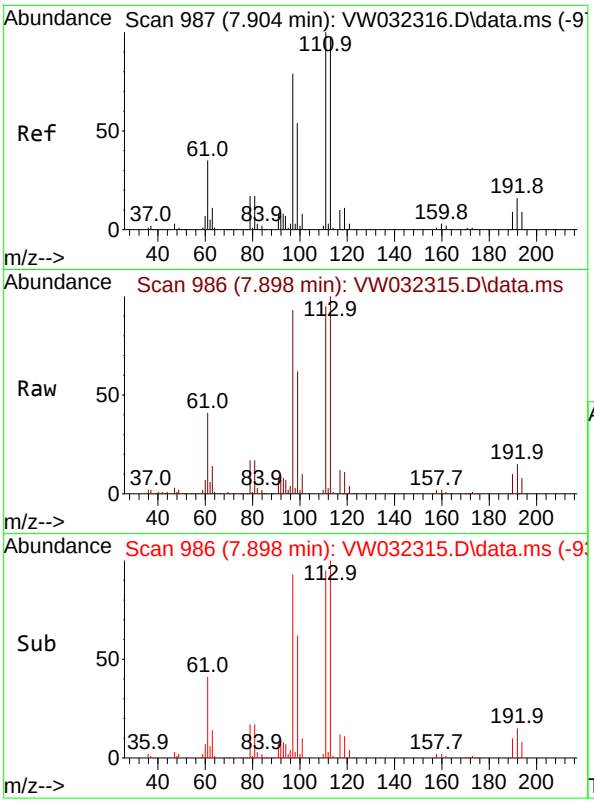


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:114 Resp: 536489

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.4
88	15.6	0.0	32.0





#35
Dibromofluoromethane
Concen: 20.225 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

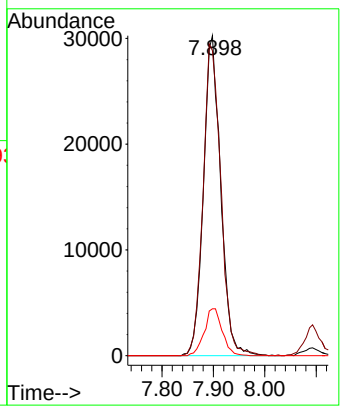
Tgt Ion:113 Resp: 7027

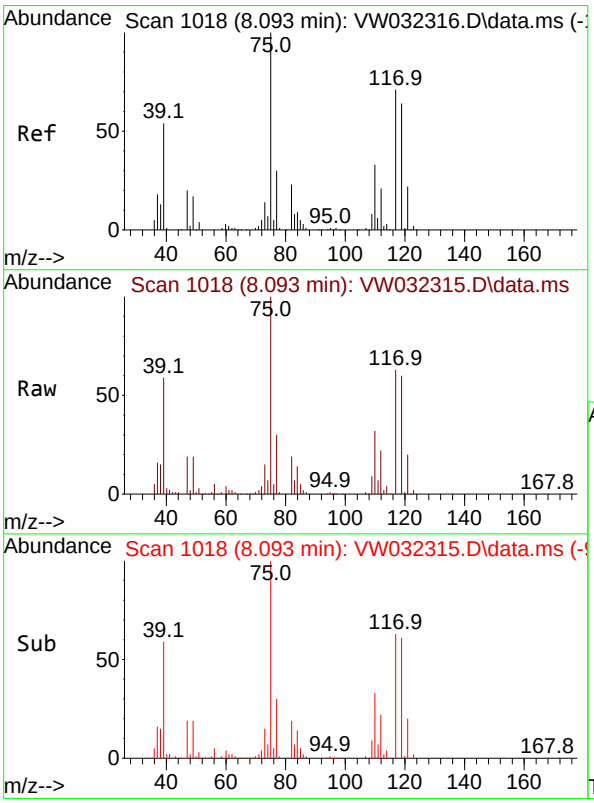
Ion	Ratio	Lower	Upper
113	100		
111	100.5	83.9	125.9
192	15.3	14.6	21.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

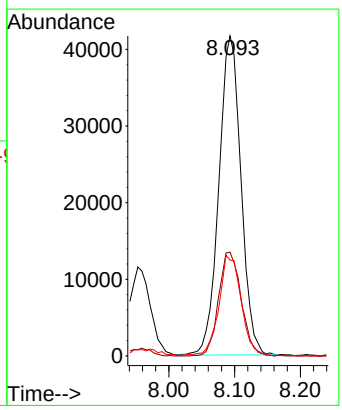


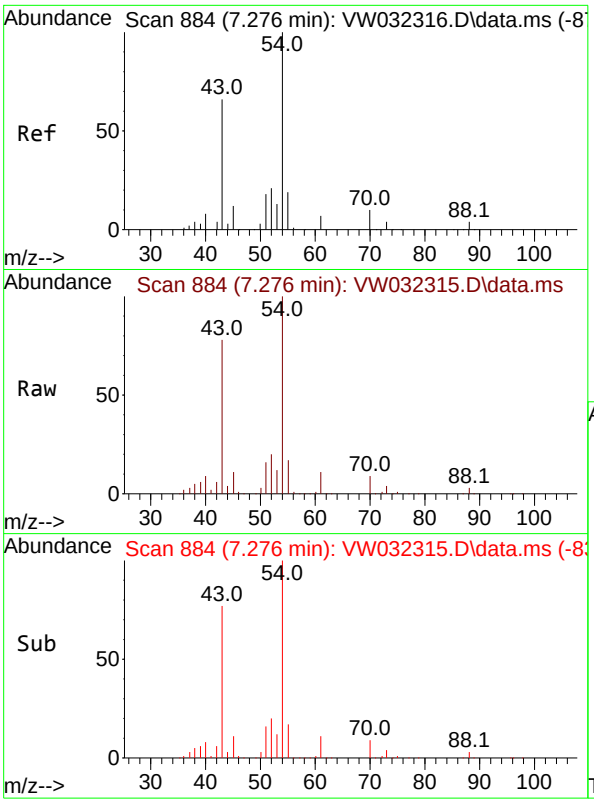


#36
1,1-Dichloropropene
Concen: 19.902 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 75 Resp: 97586

Ion	Ratio	Lower	Upper
75	100		
110	33.2	17.5	52.5
77	31.8	24.1	36.1

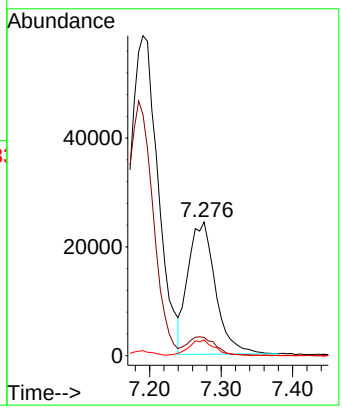




#37
Ethyl Acetate
Concen: 19.859 ug/l
RT: 7.276 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 43 Resp: 6481

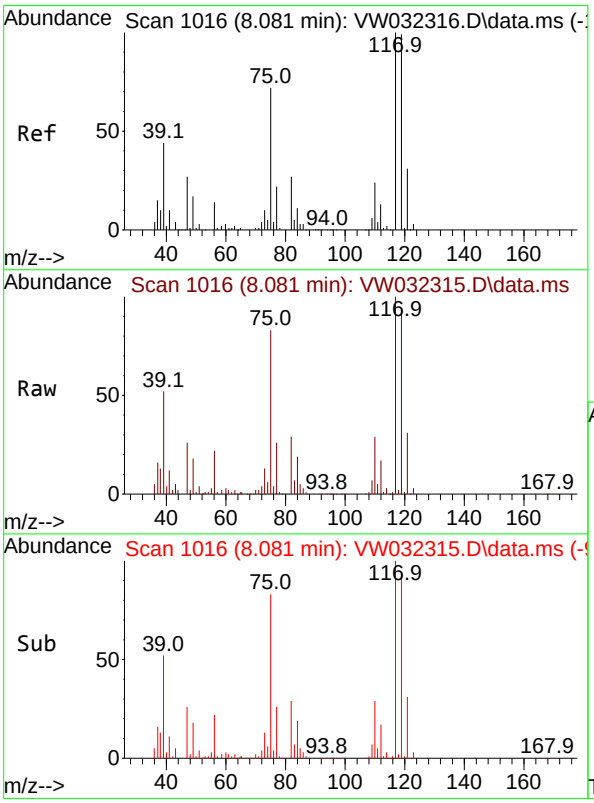
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.3	16.9
70	11.4	8.9	13.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

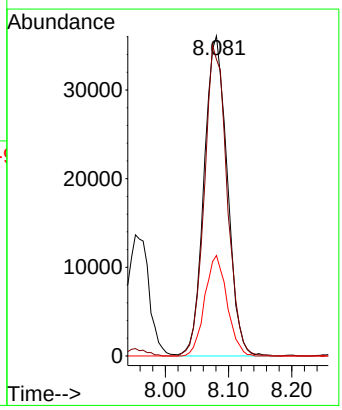
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

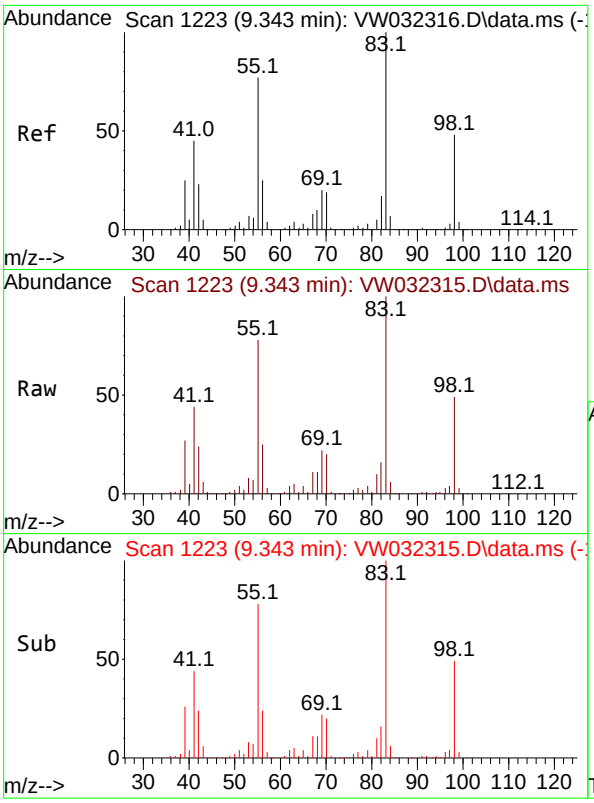


#38
Carbon Tetrachloride
Concen: 19.861 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:117 Resp: 91643

Ion	Ratio	Lower	Upper
117	100		
119	92.7	74.2	111.2
121	31.4	25.6	38.4

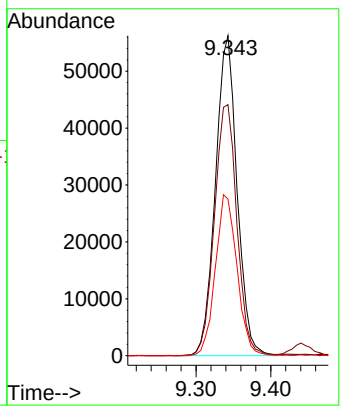




#39
Methylcyclohexane
Concen: 19.190 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 83 Resp: 11350

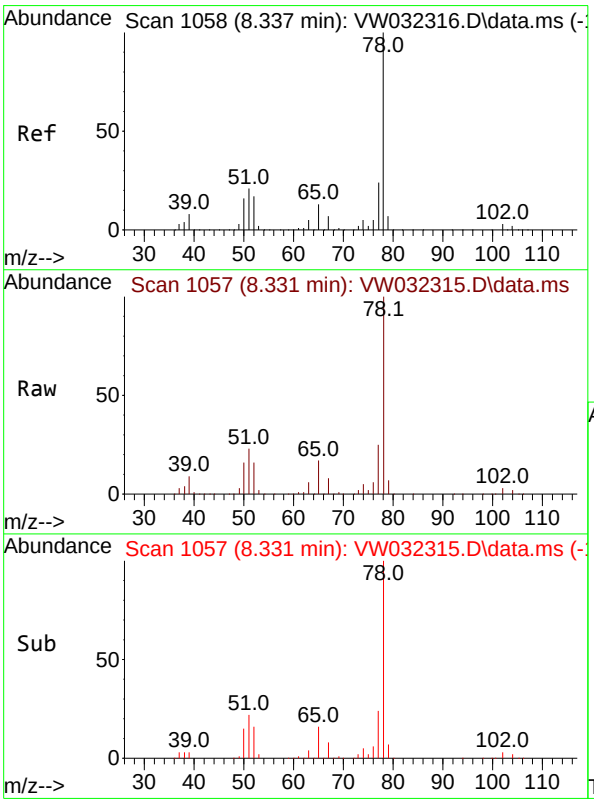
Ion	Ratio	Lower	Upper
83	100		
55	78.4	58.4	87.6
98	49.0	39.4	59.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

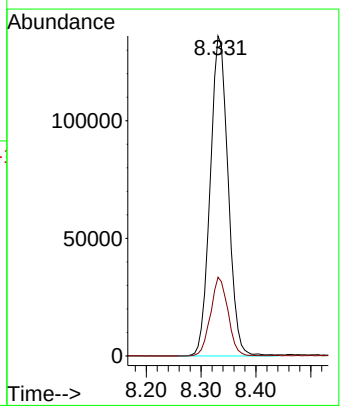
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

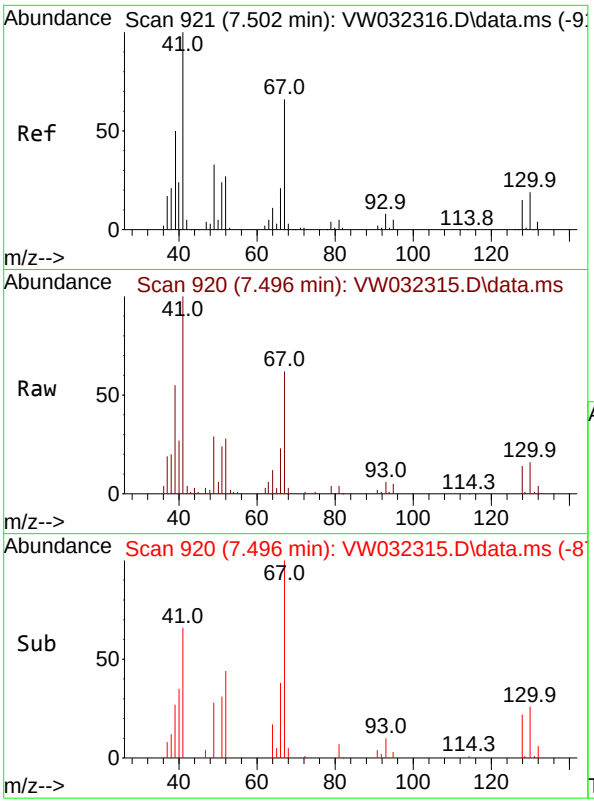


#40
Benzene
Concen: 20.112 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 78 Resp: 309105

Ion	Ratio	Lower	Upper
78	100		
77	24.6	20.7	31.1

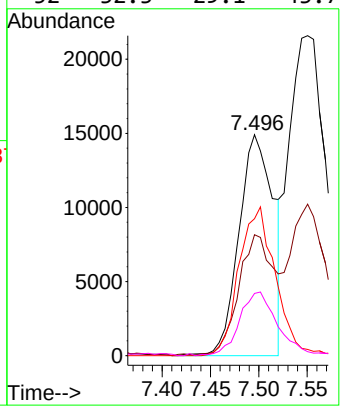




#41
Methacrylonitrile
Concen: 21.042 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 41 Resp: 3701

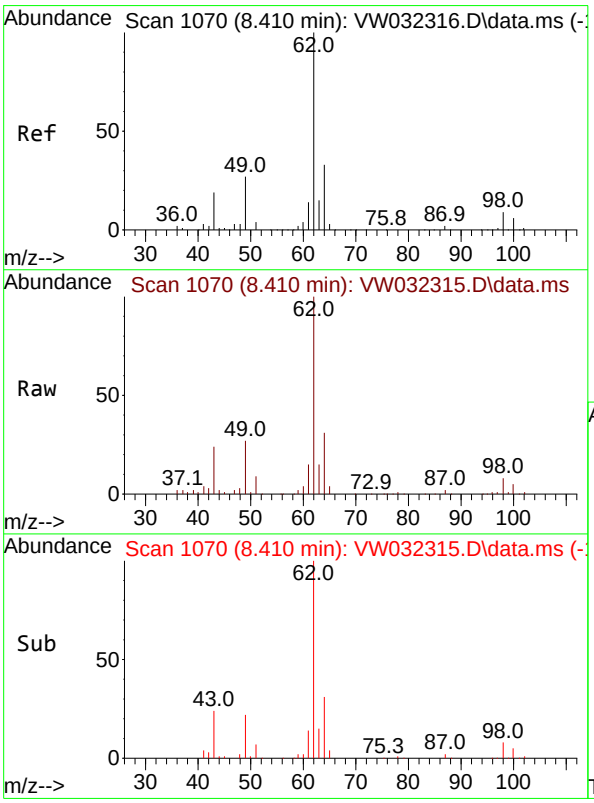
Ion	Ratio	Lower	Upper
41	100		
39	54.5	50.9	76.3
67	72.1	65.6	98.4
52	32.3	29.1	43.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

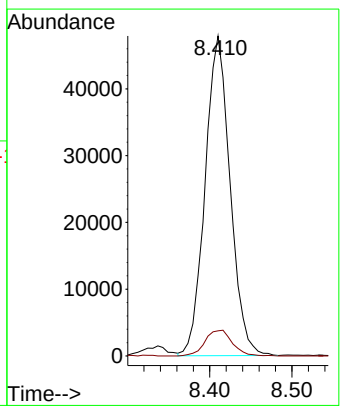
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

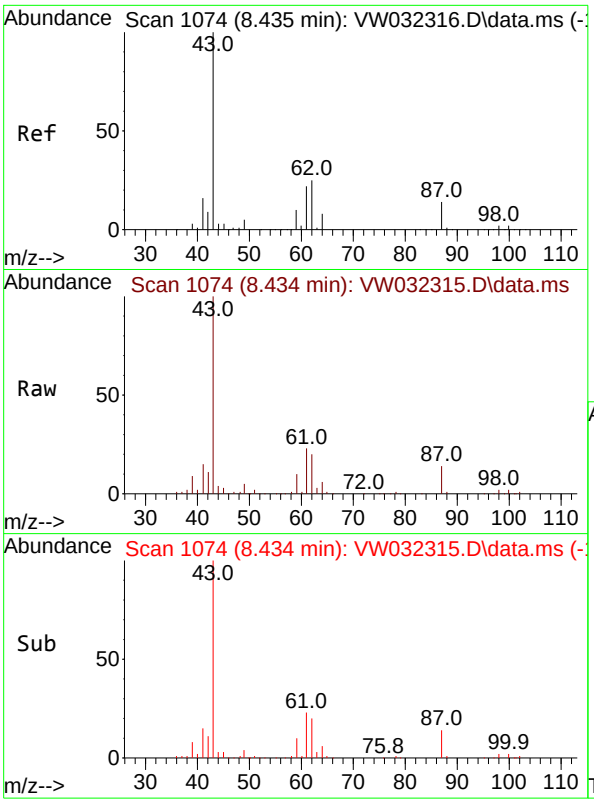


#42
1,2-Dichloroethane
Concen: 20.160 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 62 Resp: 101383

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.0





#43
Isopropyl Acetate
Concen: 19.988 ug/l
RT: 8.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

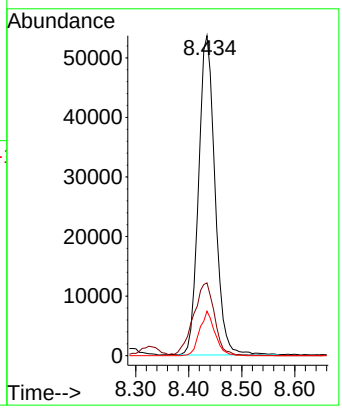
Tgt Ion: 43 Resp: 11572

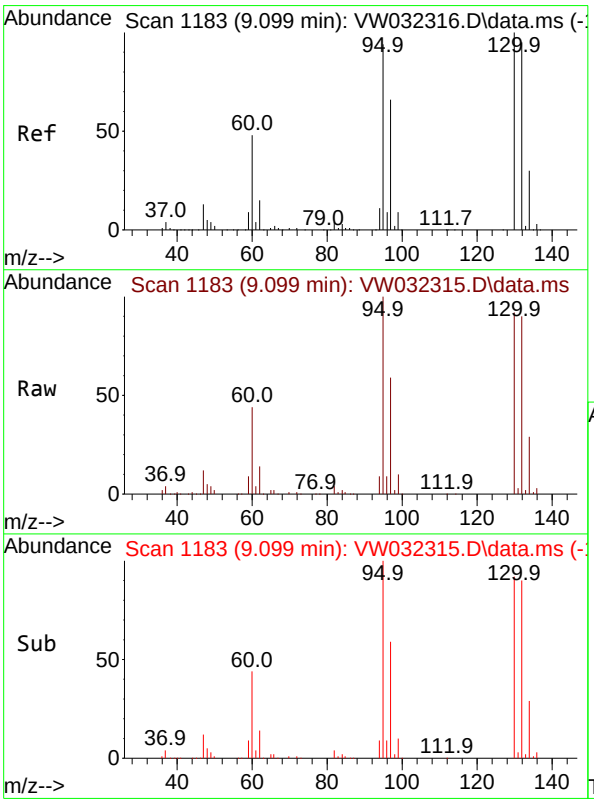
Ion	Ratio	Lower	Upper
43	100		
61	29.5	23.3	34.9
87	12.9	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

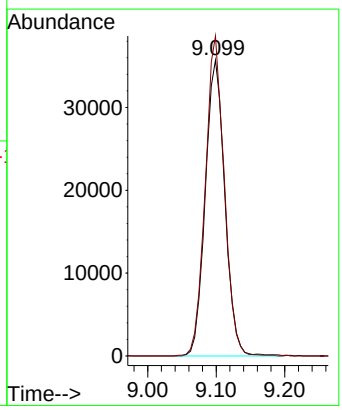


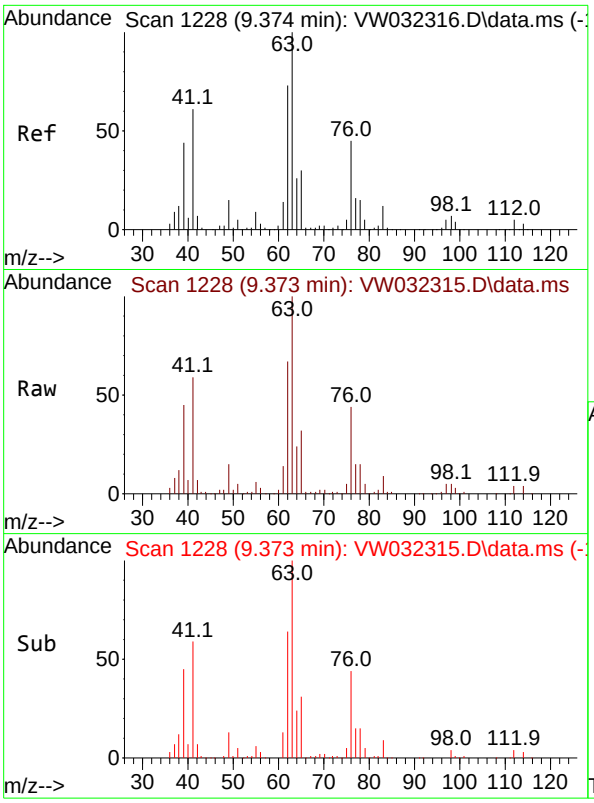


#44
Trichloroethene
Concen: 19.651 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:130 Resp: 70719

Ion	Ratio	Lower	Upper
130	100		
95	107.9	0.0	220.0





#45
1,2-Dichloropropane
Concen: 20.284 ug/l
RT: 9.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

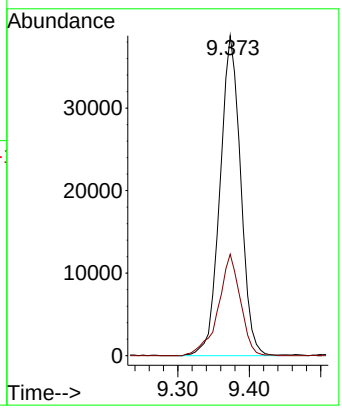
Tgt Ion: 63 Resp: 7781

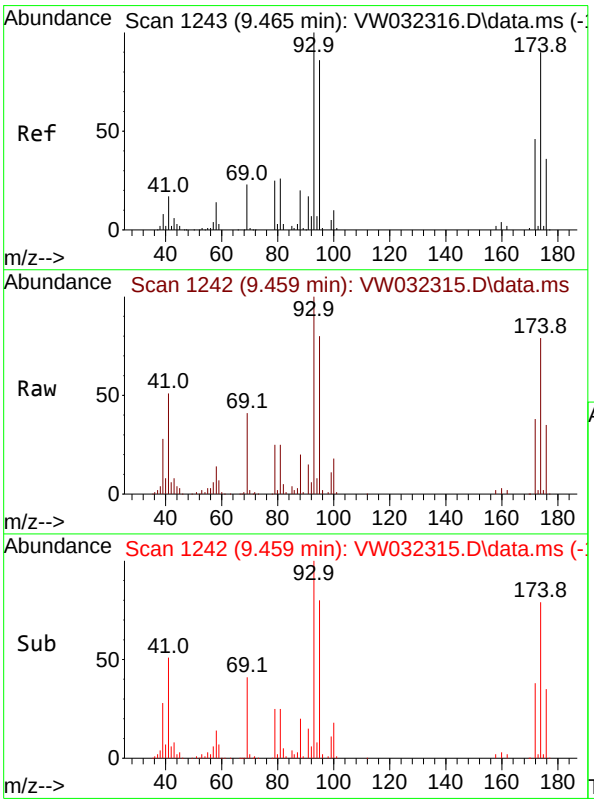
Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.3	36.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

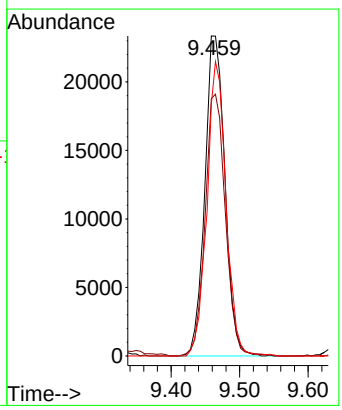


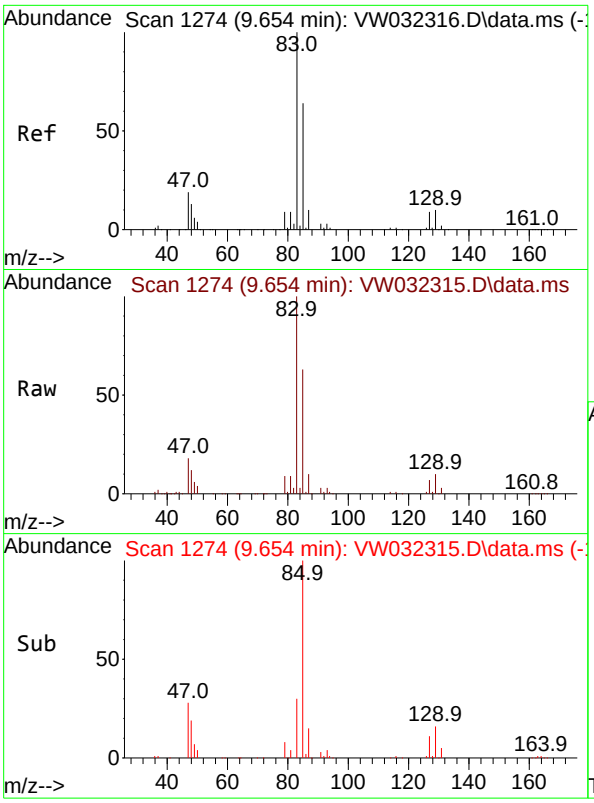


#46
Dibromomethane
Concen: 20.192 ug/l
RT: 9.459 min Scan# 1242
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 93 Resp: 47632

Ion	Ratio	Lower	Upper
93	100		
95	82.3	67.4	101.2
174	87.4	75.7	113.5

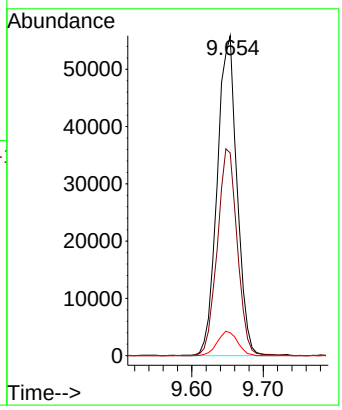




#47
Bromodichloromethane
Concen: 19.886 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 83 Resp: 10729

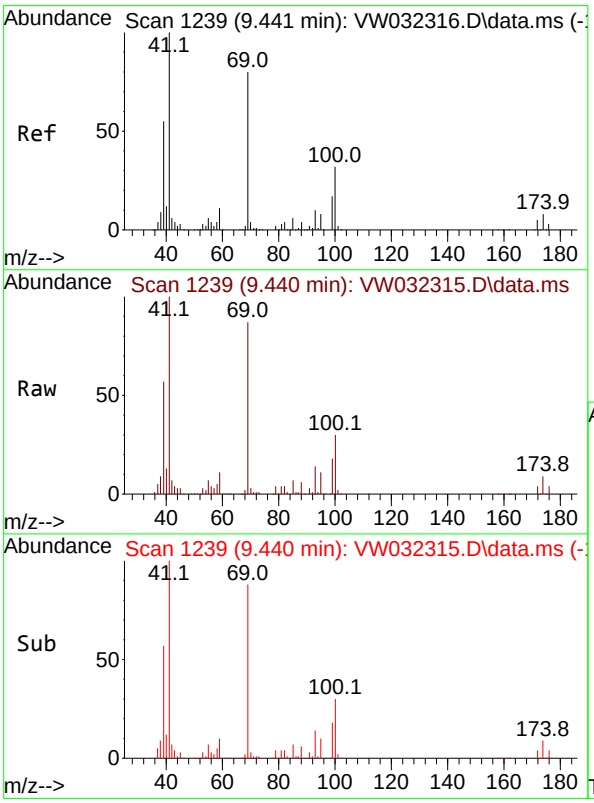
Ion	Ratio	Lower	Upper
83	100		
85	63.2	48.7	73.1
127	7.1	6.4	9.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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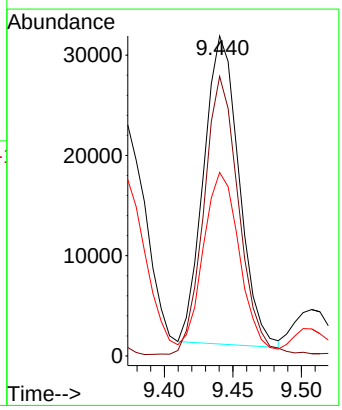
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

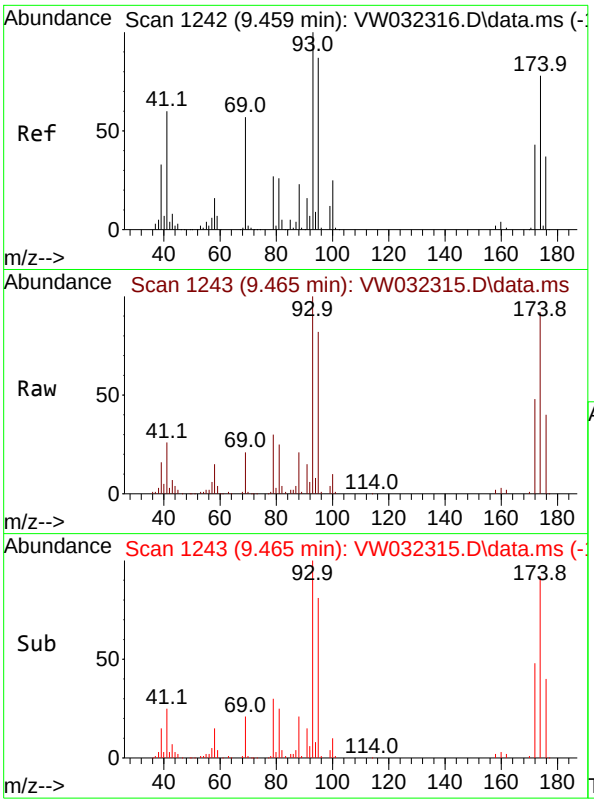


#48
Methyl methacrylate
Concen: 19.561 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 41 Resp: 55063

Ion	Ratio	Lower	Upper
41	100		
69	90.8	71.5	107.3
39	61.9	55.9	83.9

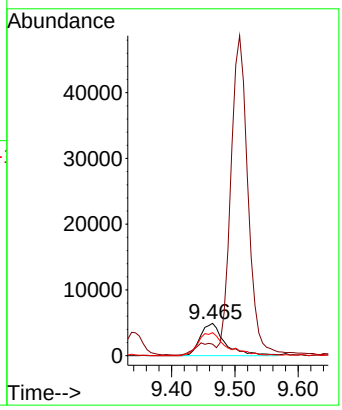




#49
1,4-Dioxane
Concen: 414.108 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 88 Resp: 1335

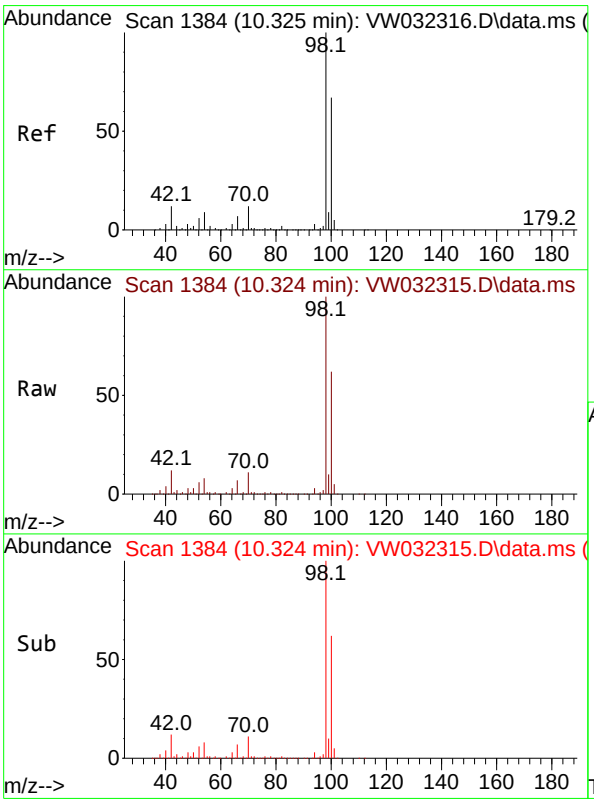
Ion	Ratio	Lower	Upper
88	100		
43	29.8	18.0	27.0#
58	80.9	55.4	83.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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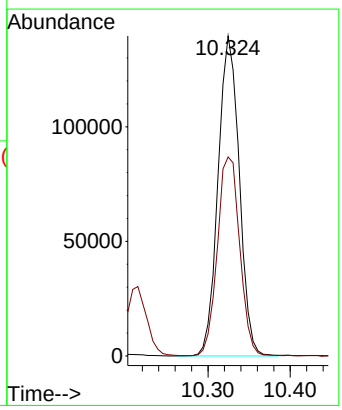
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

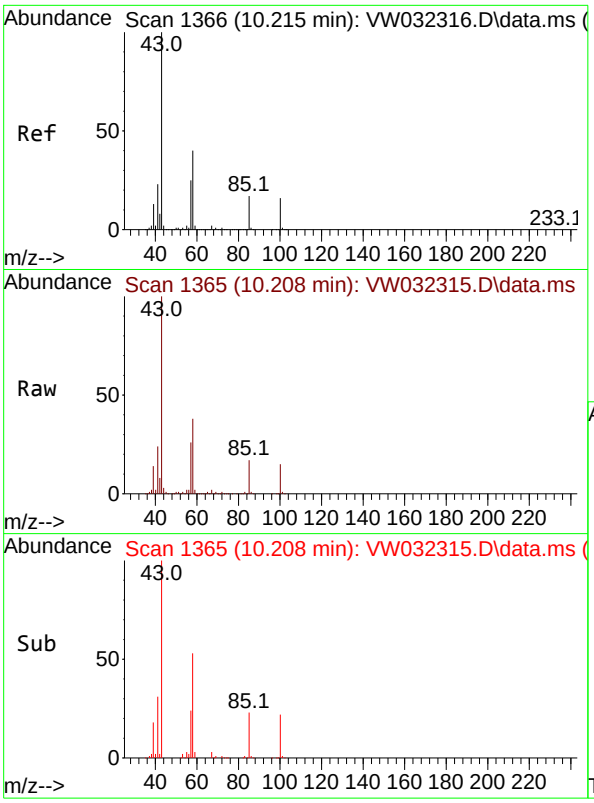


#50
Toluene-d8
Concen: 19.507 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 98 Resp: 250144

Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.4	77.2





#51
4-Methyl-2-Pentanone
Concen: 101.802 ug/l
RT: 10.208 min Scan# 1
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

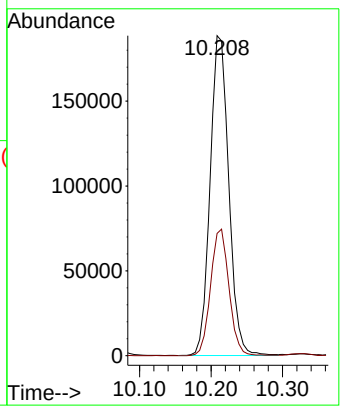
Tgt Ion: 43 Resp: 34138

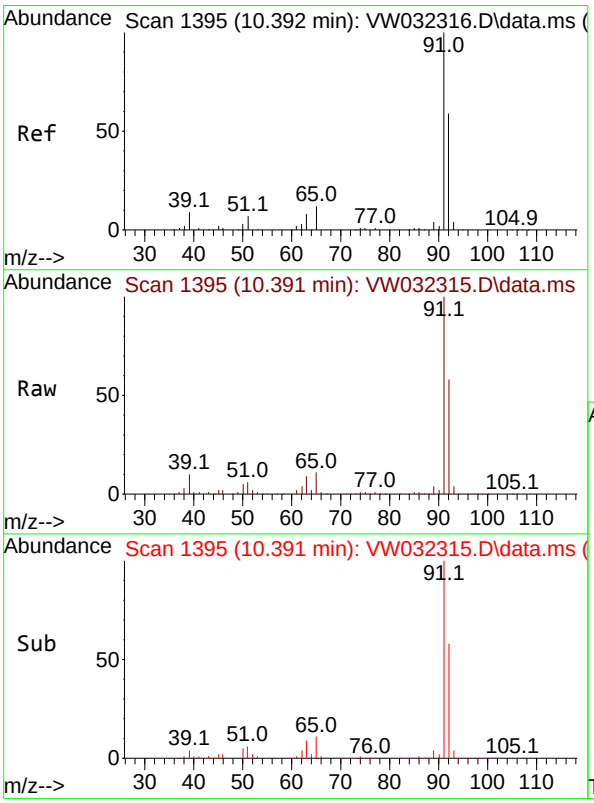
Ion	Ratio	Lower	Upper
43	100		
58	39.1	32.0	48.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

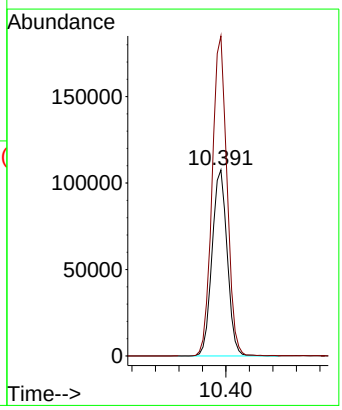


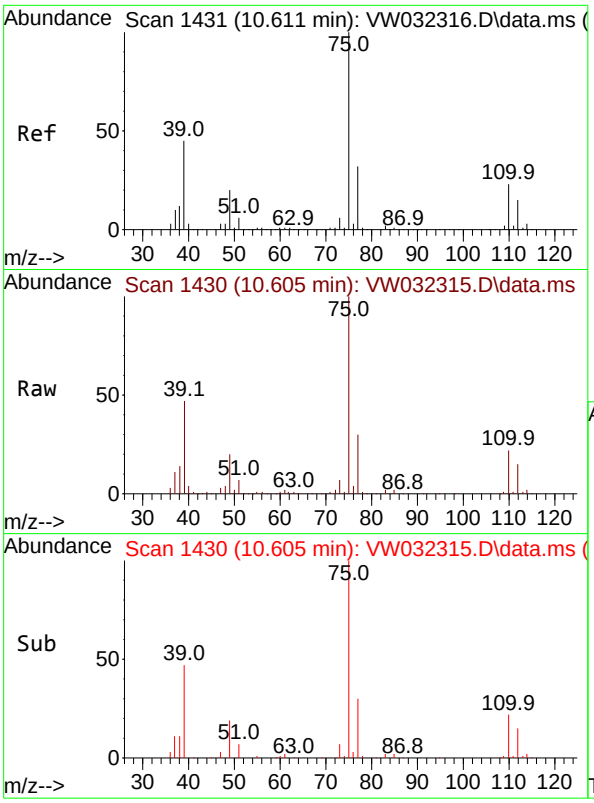


#52
Toluene
Concen: 20.102 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 92 Resp: 192396

Ion	Ratio	Lower	Upper
92	100		
91	168.8	137.5	206.3

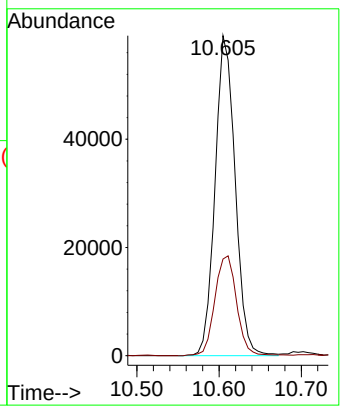




#53
t-1,3-Dichloropropene
Concen: 19.211 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 75 Resp: 10055

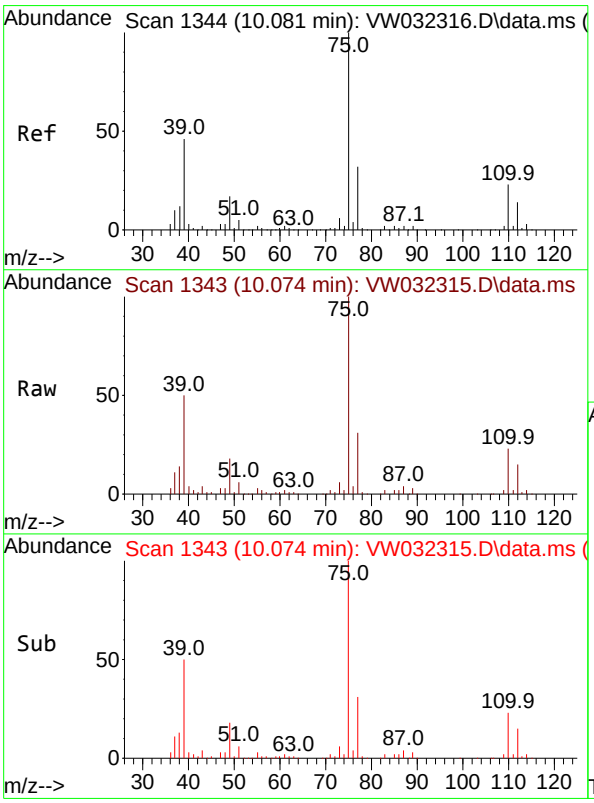
Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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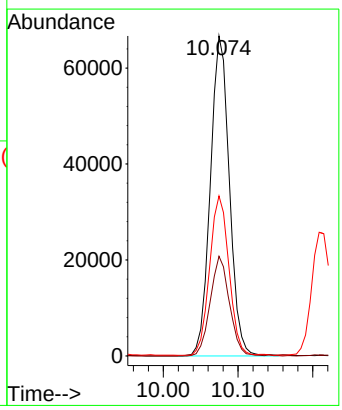
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

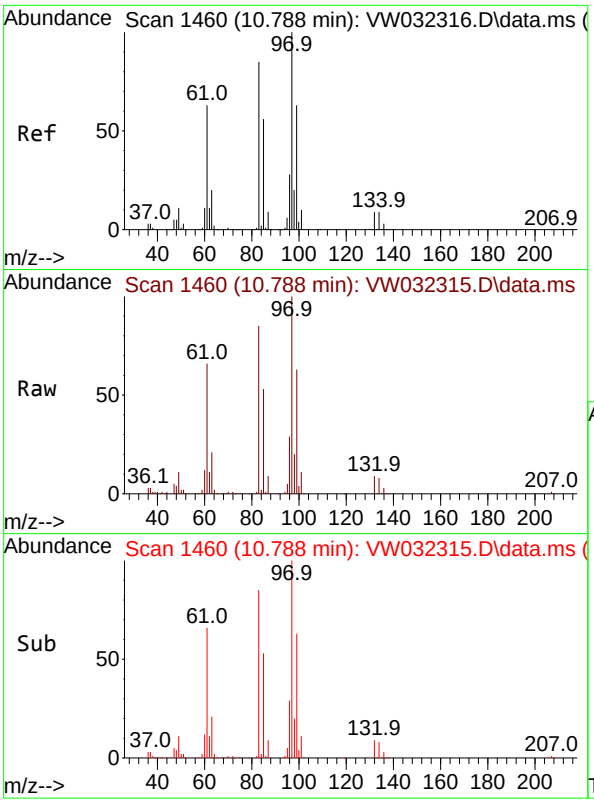


#54
cis-1,3-Dichloropropene
Concen: 19.565 ug/l
RT: 10.074 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 75 Resp: 117968

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.1	37.7
39	49.8	43.2	64.8

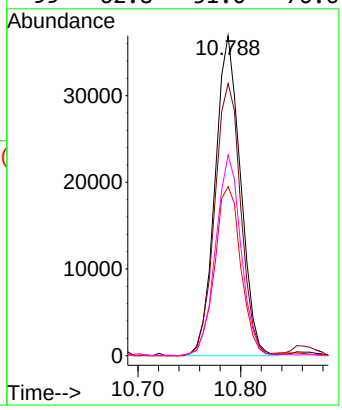




#55
1,1,2-Trichloroethane
Concen: 20.068 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 97 Resp: 6327

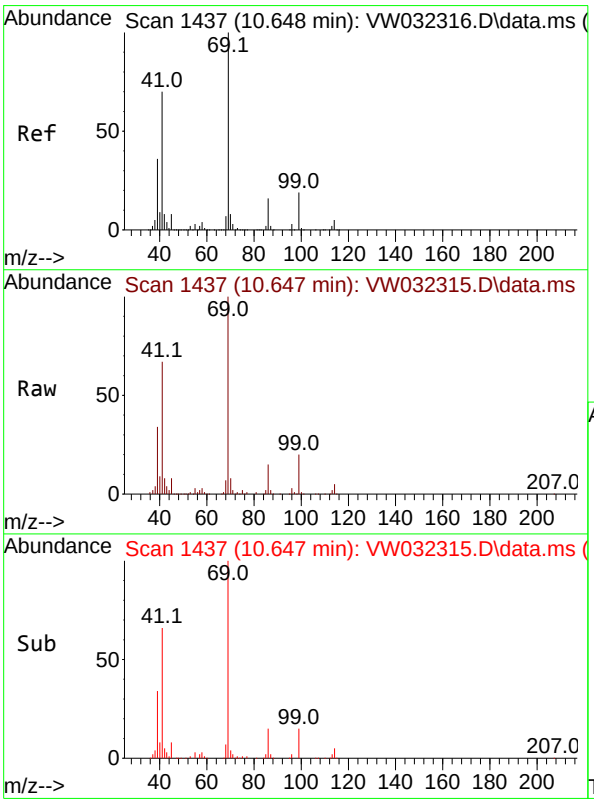
Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.0	106.6
85	52.8	42.8	64.2
99	62.8	51.0	76.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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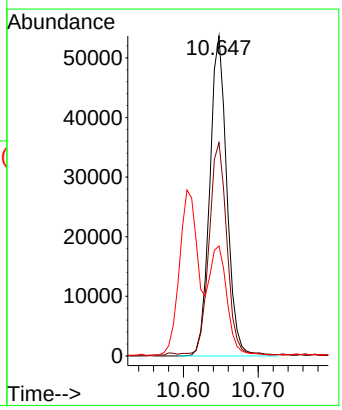
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

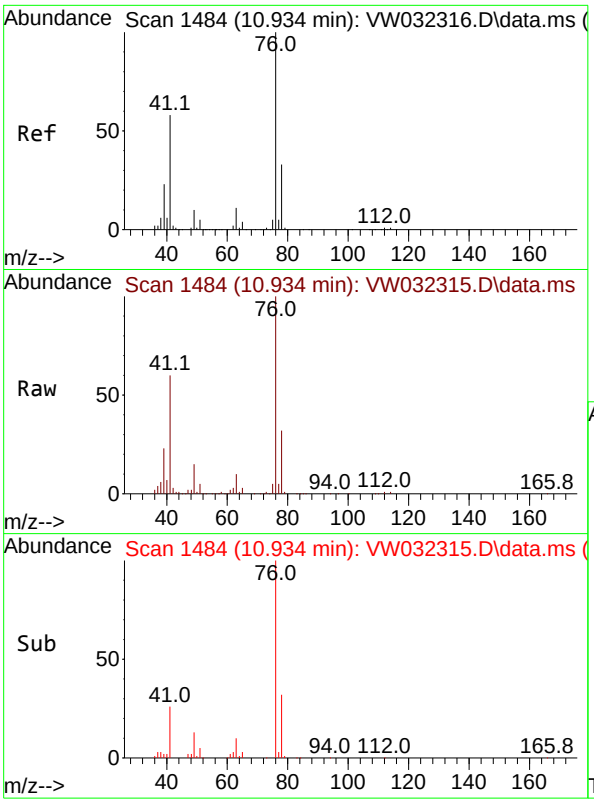


#56
Ethyl methacrylate
Concen: 19.407 ug/l
RT: 10.647 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 69 Resp: 85643

Ion	Ratio	Lower	Upper
69	100		
41	68.9	53.2	79.8
39	33.7	32.9	49.3





#57
1,3-Dichloropropane
Concen: 20.283 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

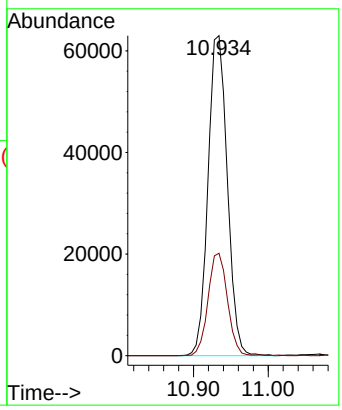
Tgt Ion: 76 Resp: 11294

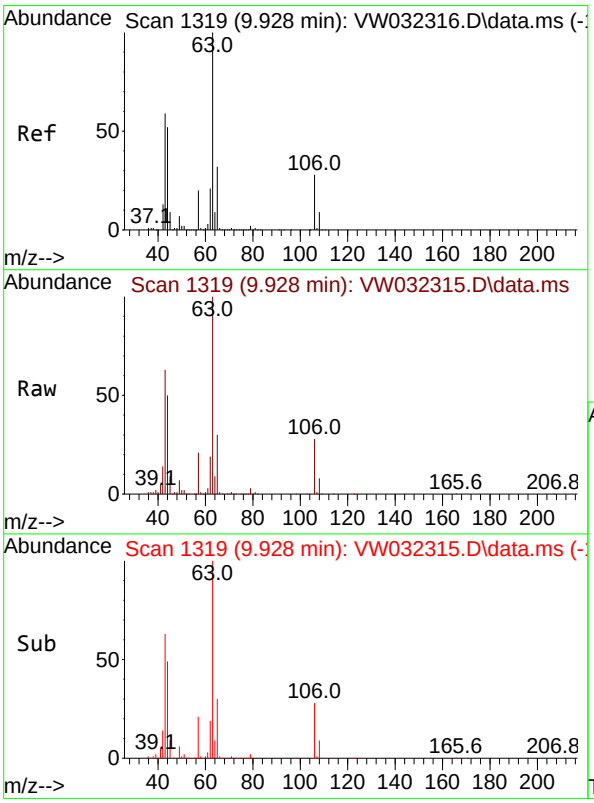
Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

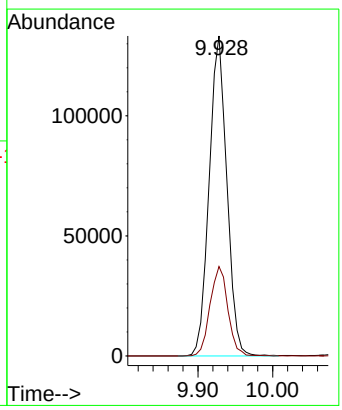


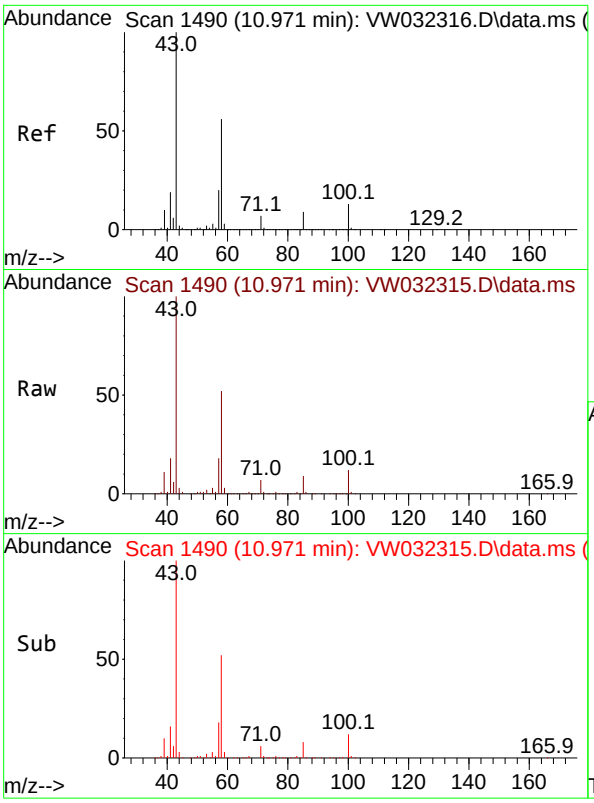


#58
2-Chloroethyl Vinyl ether
Concen: 93.287 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 63 Resp: 219091

Ion	Ratio	Lower	Upper
63	100		
106	28.2	24.3	36.5





#59
2-Hexanone
Concen: 102.664 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

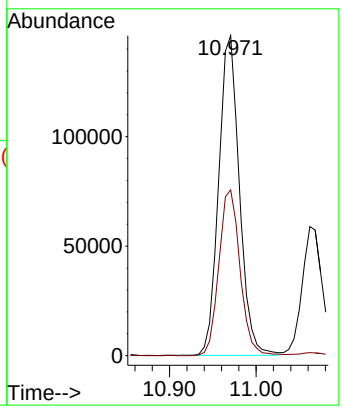
Tgt Ion: 43 Resp: 24281

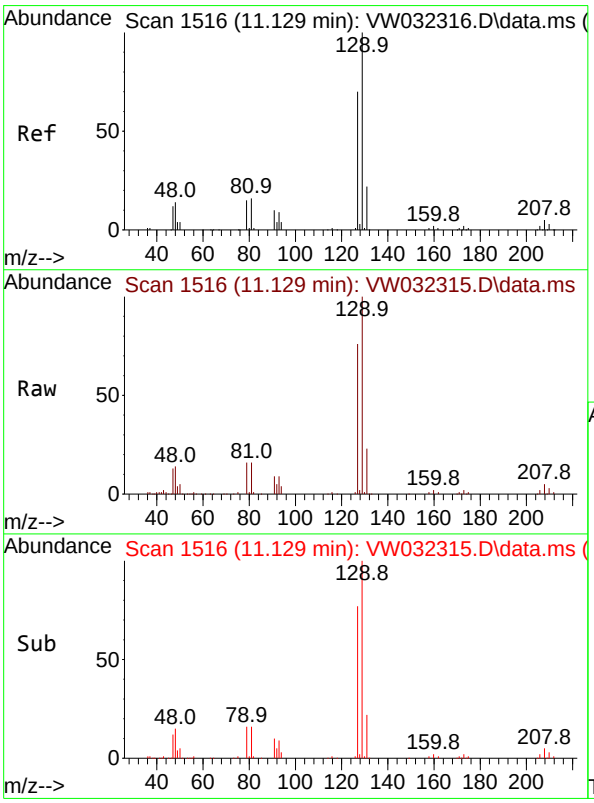
Ion	Ratio	Lower	Upper
43	100		
58	53.0	27.5	82.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

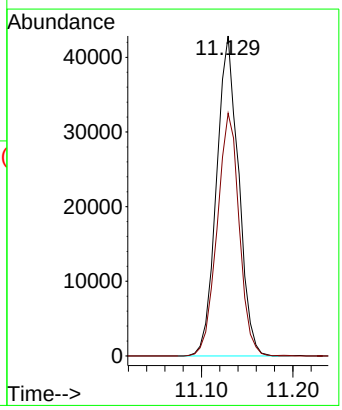


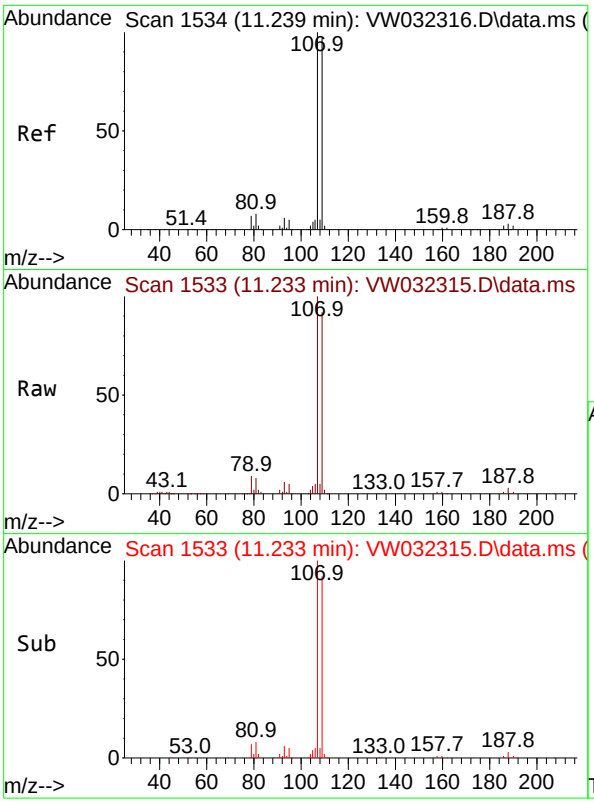


#60
Dibromochloromethane
Concen: 20.051 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:129 Resp: 71782

Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.1	114.5





#61
1,2-Dibromoethane
Concen: 20.135 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

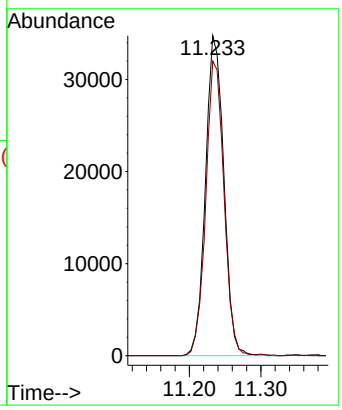
Tgt Ion:107 Resp: 6189

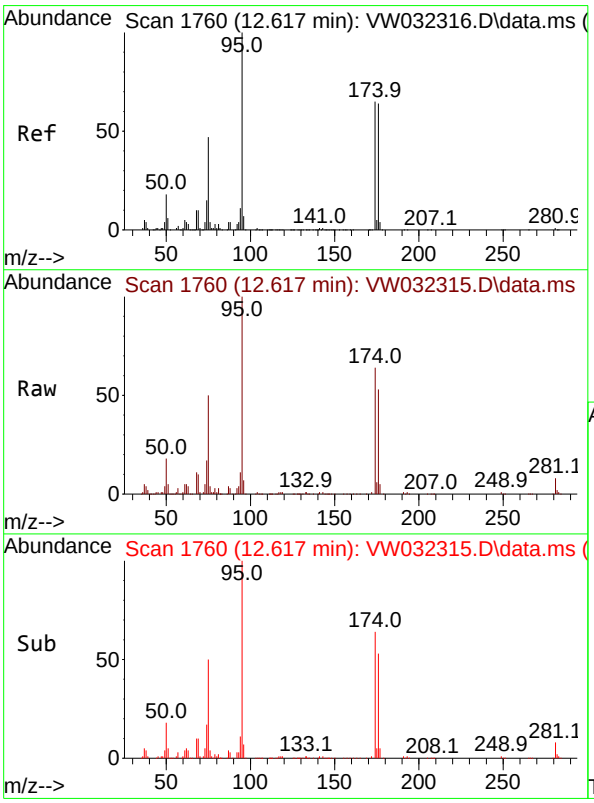
Ion	Ratio	Lower	Upper
107	100		
109	91.2	74.5	111.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

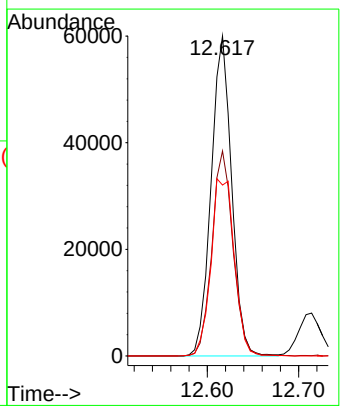


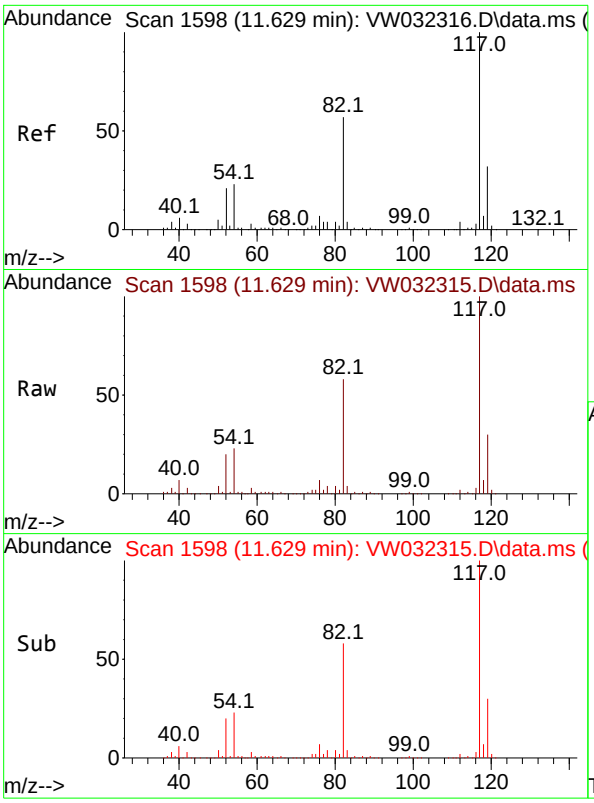


#62
4-Bromofluorobenzene
Concen: 19.305 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 95 Resp: 93567

Ion	Ratio	Lower	Upper
95	100		
174	65.8	0.0	145.6
176	63.4	0.0	140.8

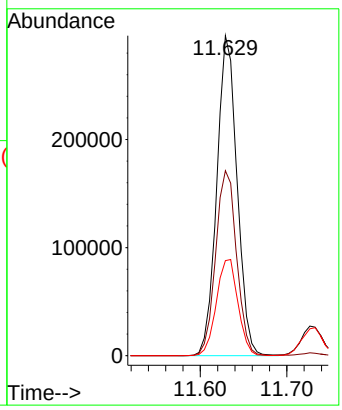




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:117 Resp: 48150

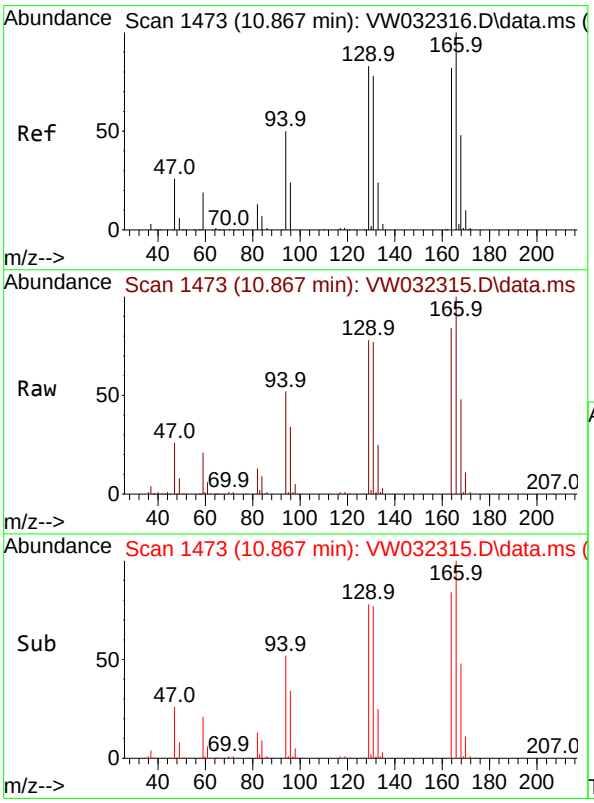
Ion	Ratio	Lower	Upper
117	100		
82	57.8	42.7	64.1
119	29.7	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

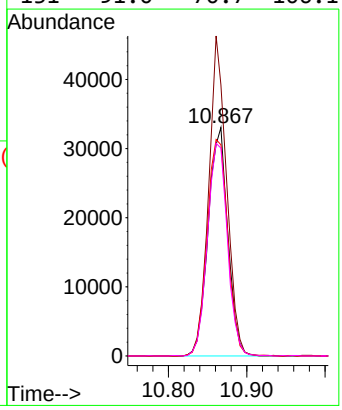
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

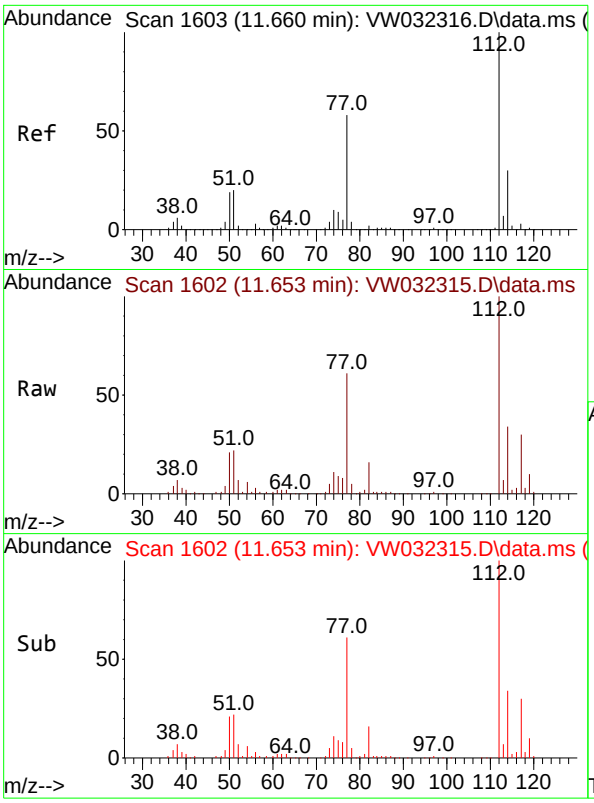


#64
Tetrachloroethene
Concen: 19.958 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:164 Resp: 57503

Ion	Ratio	Lower	Upper
164	100		
166	118.6	97.5	146.3
129	92.4	71.2	106.8
131	91.0	70.7	106.1

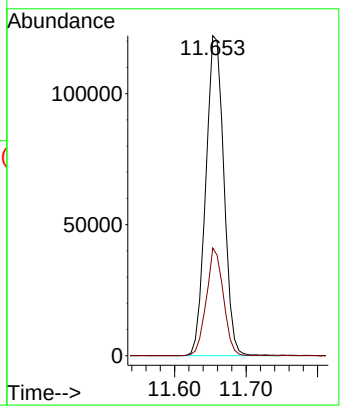




#65
Chlorobenzene
Concen: 20.167 ug/l
RT: 11.653 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:112 Resp: 21365

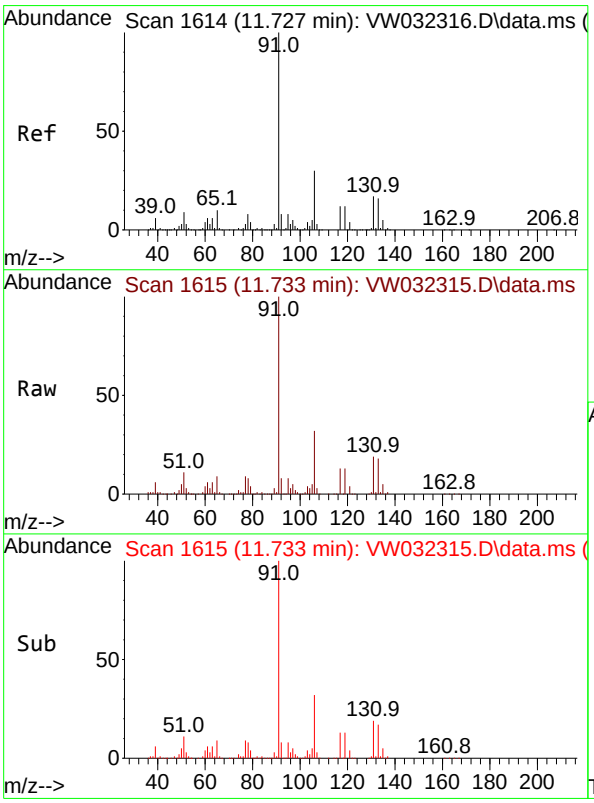
Ion	Ratio	Lower	Upper
112	100		
114	33.7	26.0	39.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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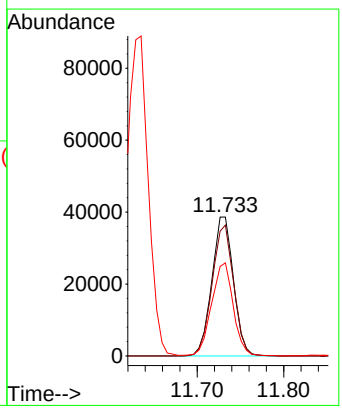
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

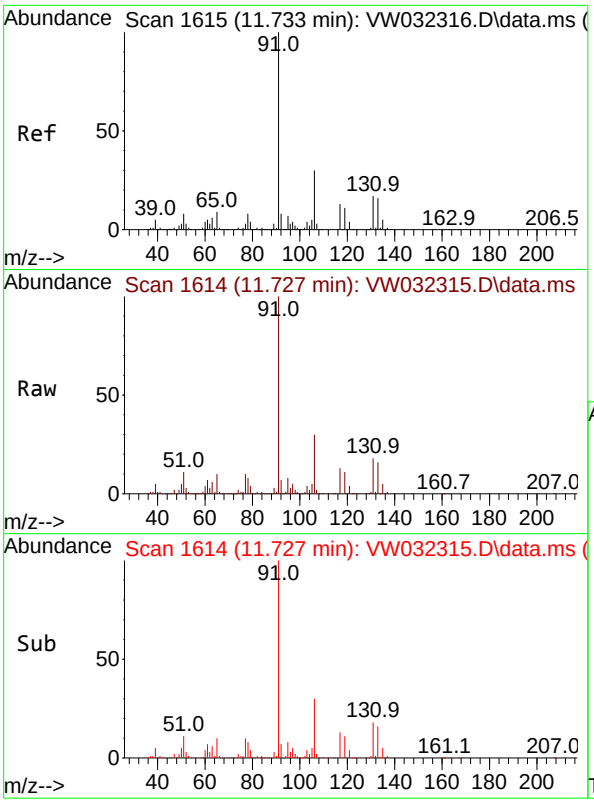


#66
1,1,1,2-Tetrachloroethane
Concen: 20.280 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:131 Resp: 66918

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.7	143.1
119	67.3	32.8	98.3





#67
Ethyl Benzene
Concen: 20.103 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

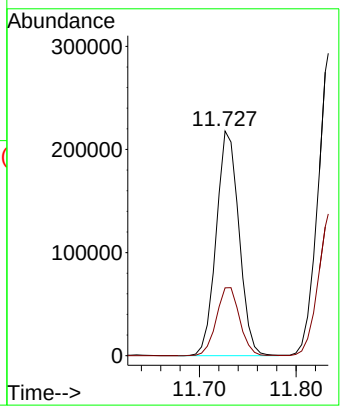
Tgt Ion: 91 Resp: 35500

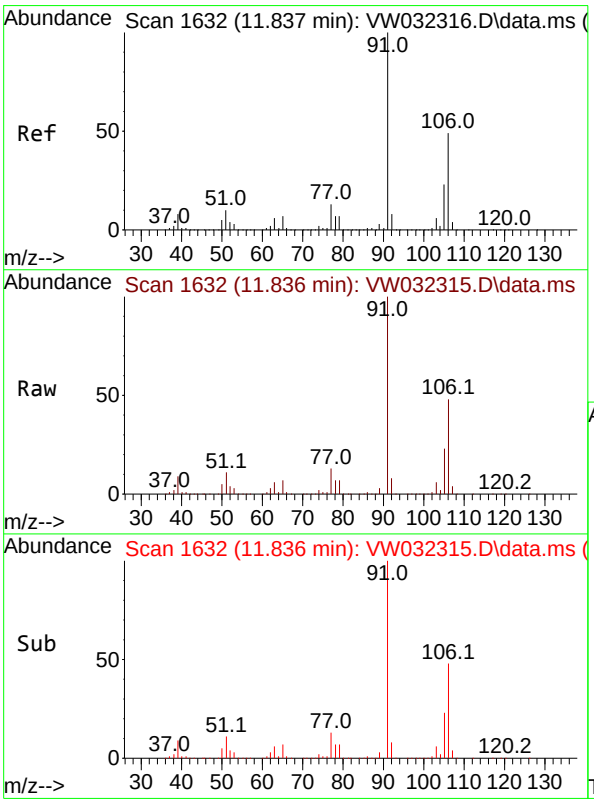
Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.3	37.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

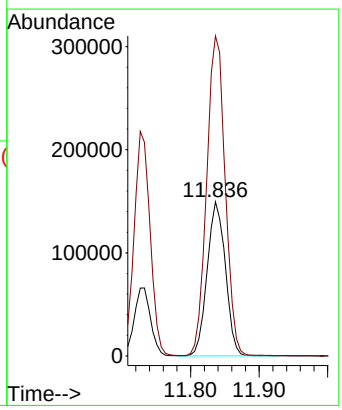


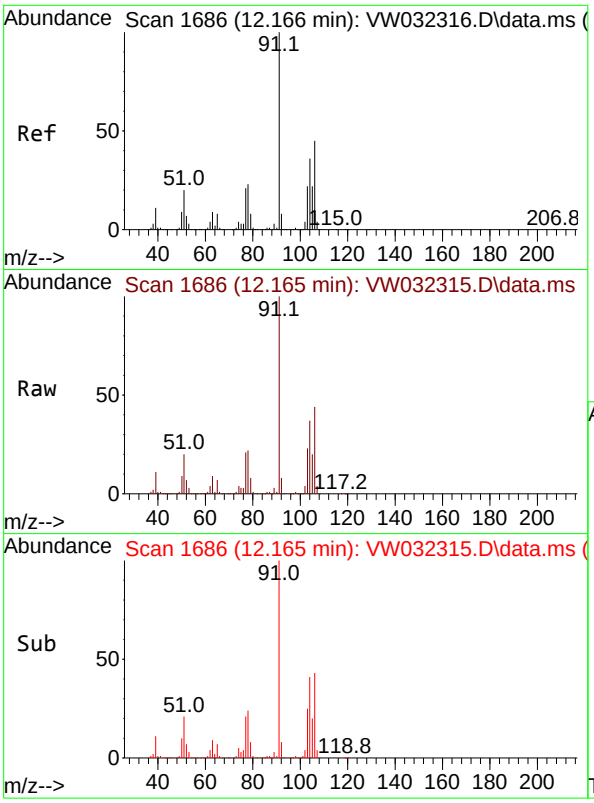


#68
m/p-Xylenes
Concen: 40.461 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:106 Resp: 275521

Ion	Ratio	Lower	Upper
106	100		
91	210.9	164.2	246.2





#69
o-Xylene
Concen: 19.762 ug/l
RT: 12.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

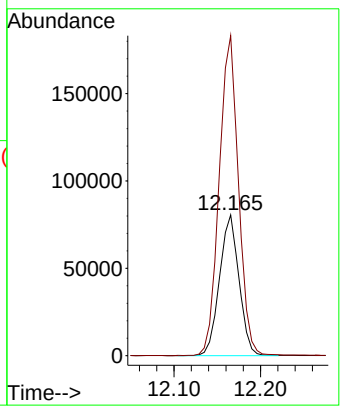
Tgt Ion:106 Resp: 12584

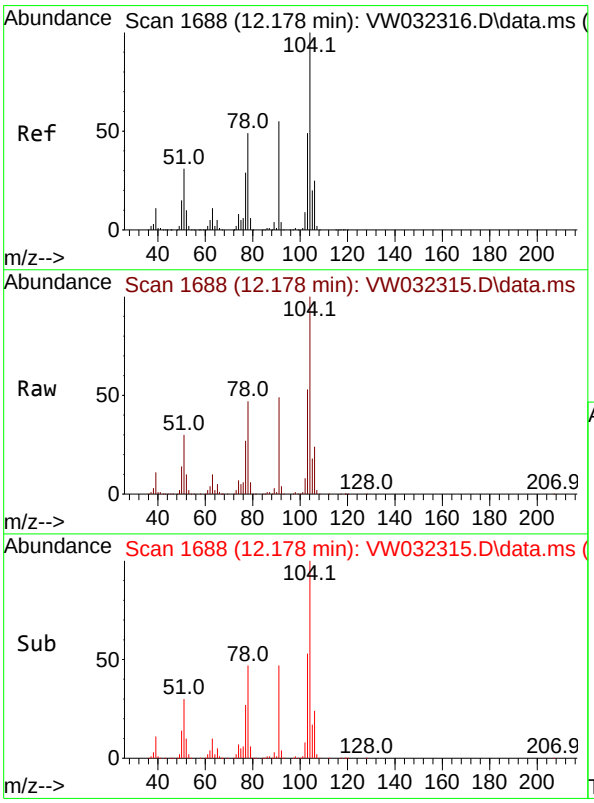
Ion	Ratio	Lower	Upper
106	100		
91	226.2	108.7	326.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

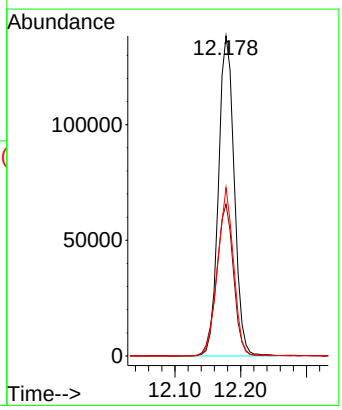


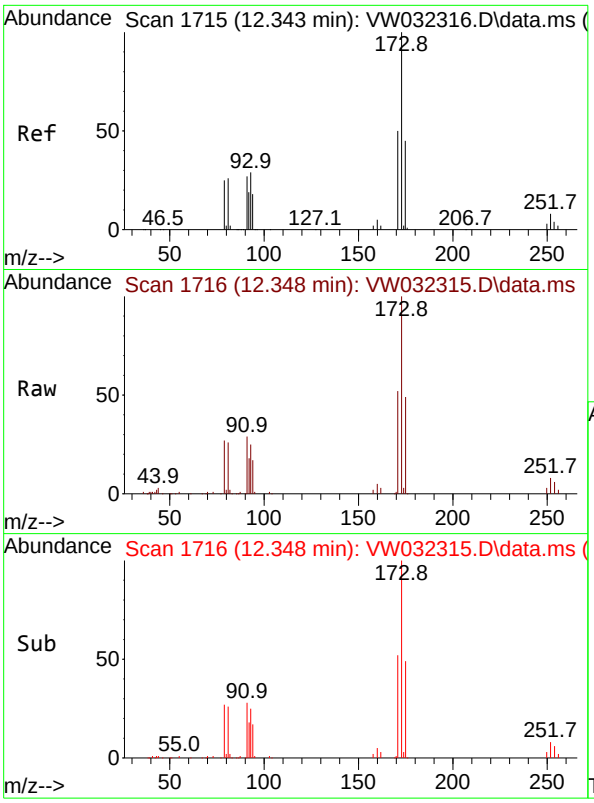


#70
Styrene
Concen: 20.776 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:104 Resp: 230999

Ion	Ratio	Lower	Upper
104	100		
78	50.9	41.6	62.4
103	53.5	44.8	67.2

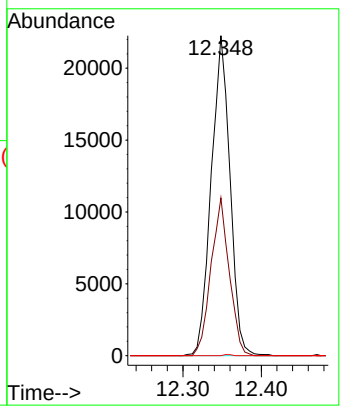




#71
Bromoform
Concen: 19.593 ug/l
RT: 12.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:173 Resp: 3705

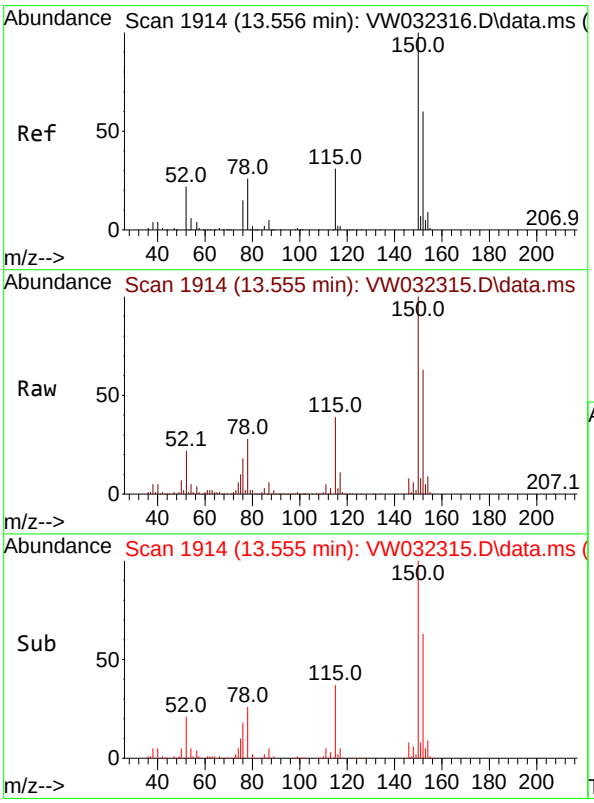
Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.9	74.7
254	0.1	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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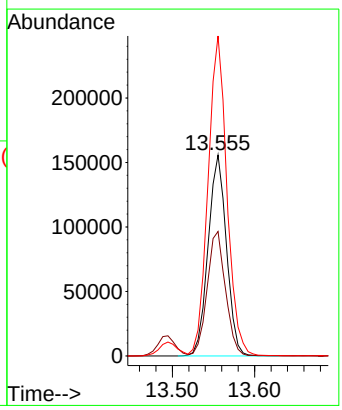
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

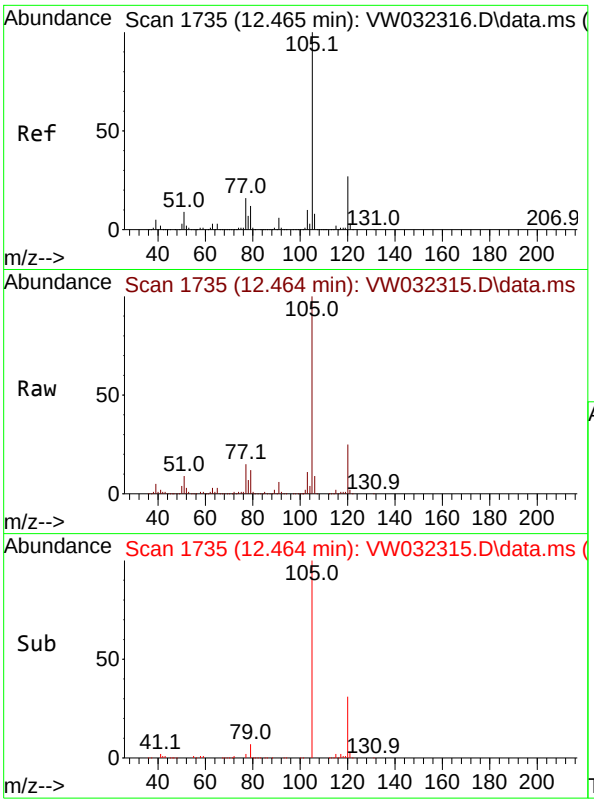


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:152 Resp: 241841

Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.8	95.4
150	163.6	0.0	343.0





#73
Isopropylbenzene
Concen: 19.668 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

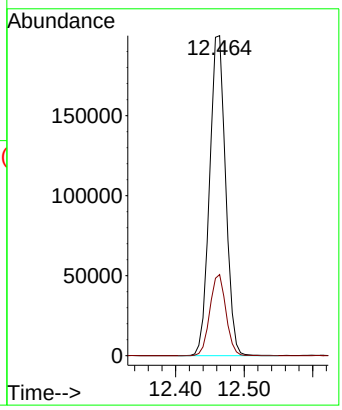
Tgt Ion:105 Resp: 32541

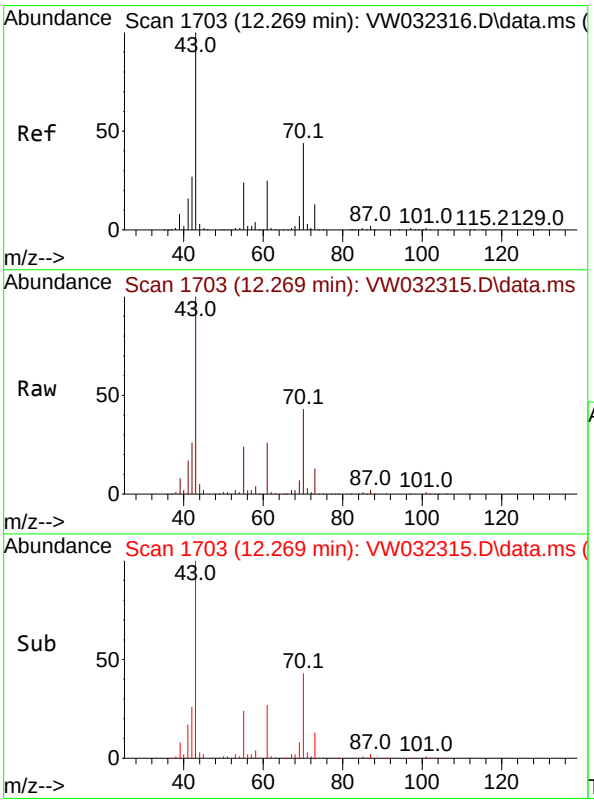
Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.0	38.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

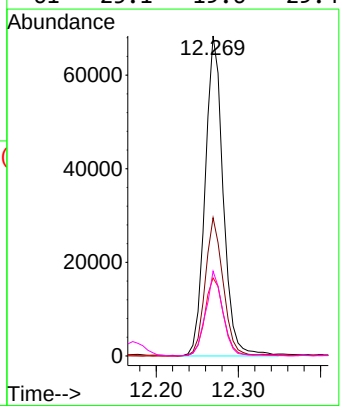


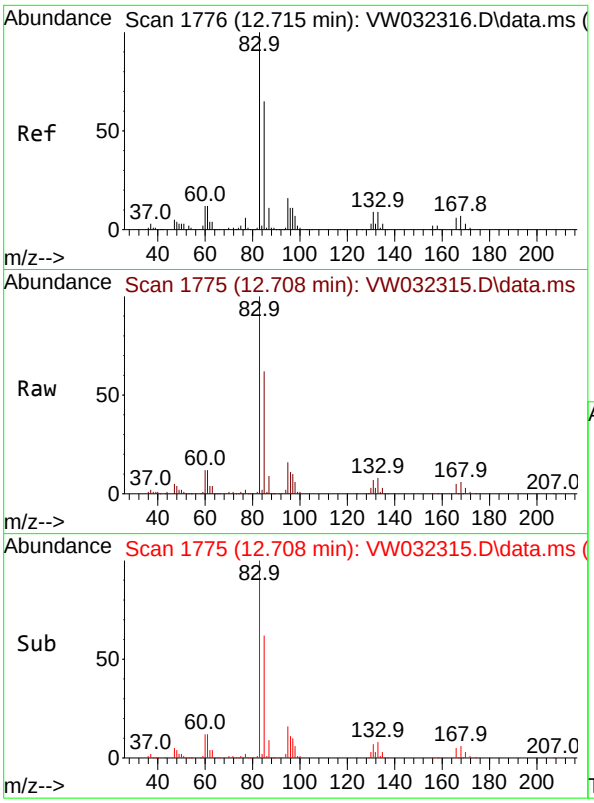


#74
N-amyl acetate
Concen: 19.793 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 43 Resp: 104472

Ion	Ratio	Lower	Upper
43	100		
70	42.8	35.3	52.9
55	25.1	19.9	29.9
61	25.1	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 20.041 ug/l
RT: 12.708 min Scan# 1
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

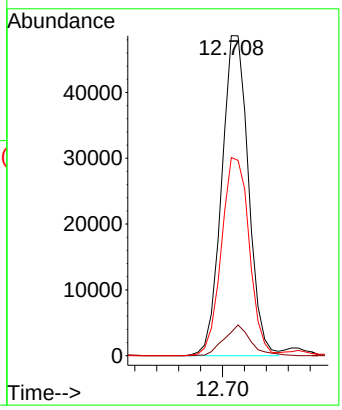
Tgt Ion: 83 Resp: 8233

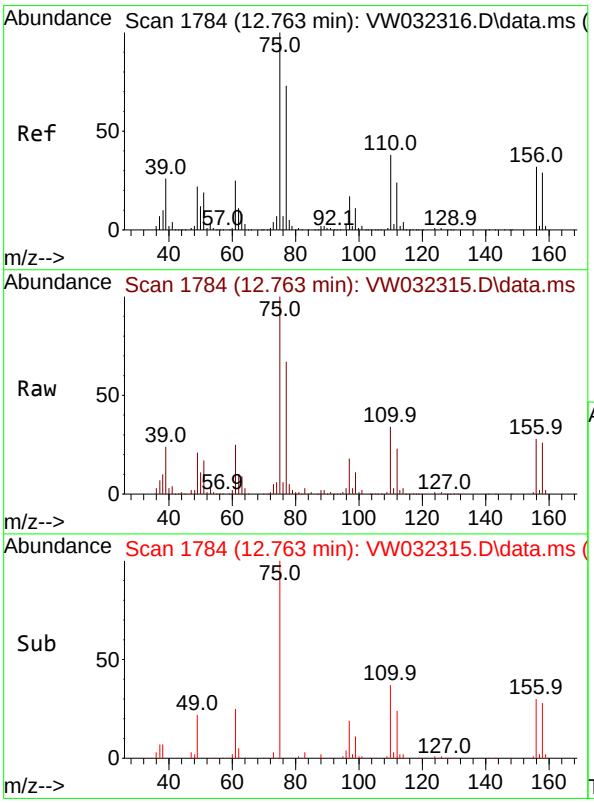
Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.1	15.4
85	64.5	32.2	96.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

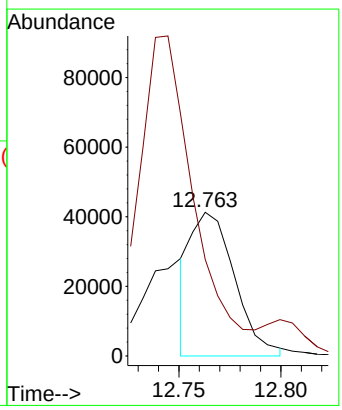


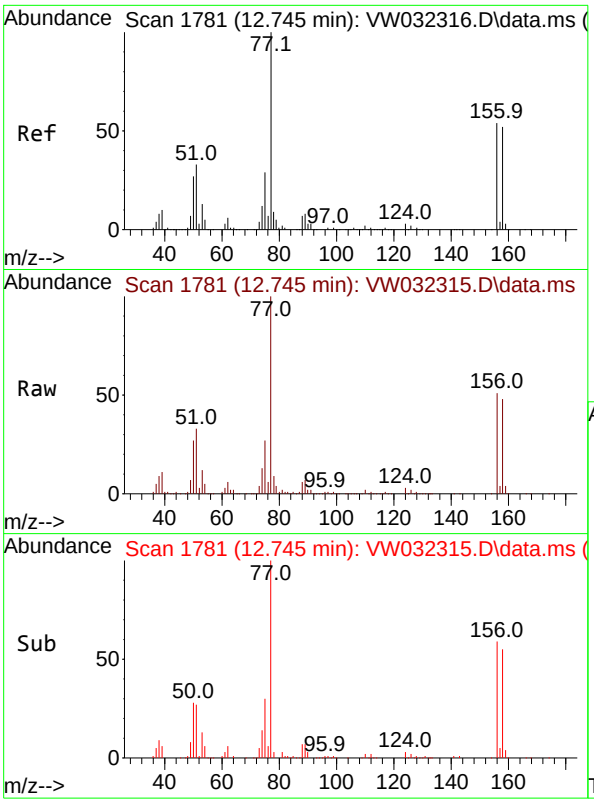


#76
1,2,3-Trichloropropane
Concen: 19.396 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 75 Resp: 61898

Ion	Ratio	Lower	Upper
75	100		
77	282.2	141.7	425.1

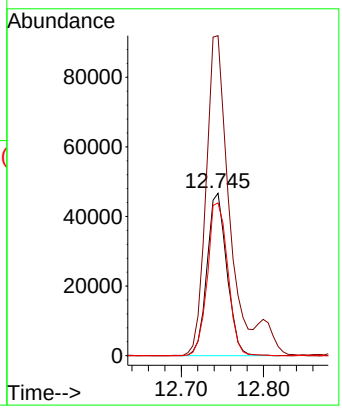




#77
Bromobenzene
Concen: 19.575 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:156 Resp: 7807

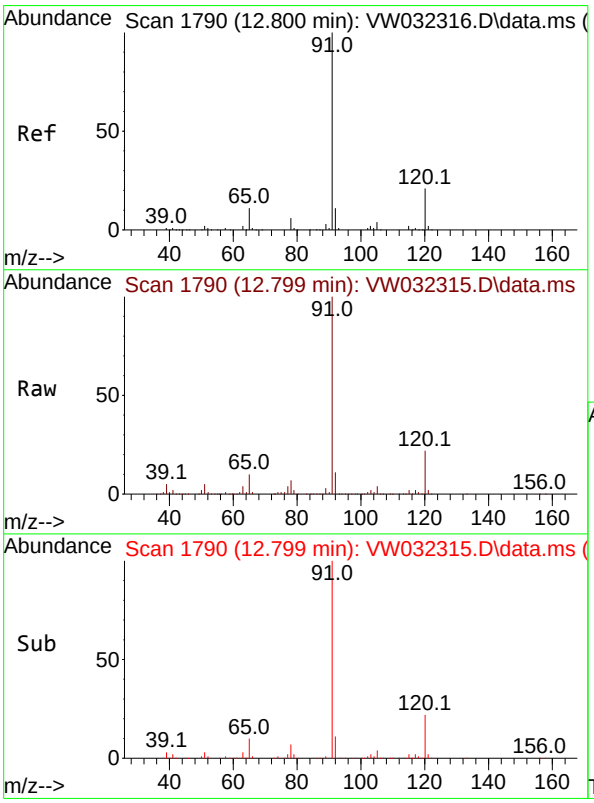
Ion	Ratio	Lower	Upper
156	100		
77	223.8	98.6	295.7
158	97.1	48.4	145.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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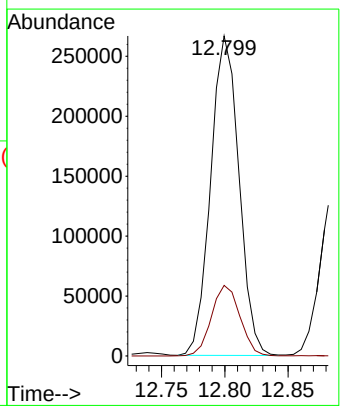
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

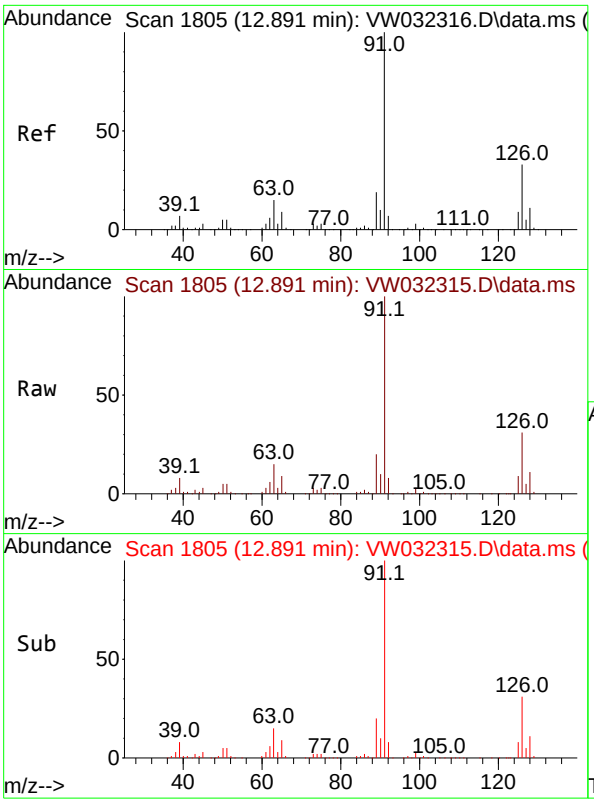


#78
n-propylbenzene
Concen: 20.057 ug/l
RT: 12.799 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 91 Resp: 414530

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.8	35.4





#79
2-Chlorotoluene
Concen: 19.933 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

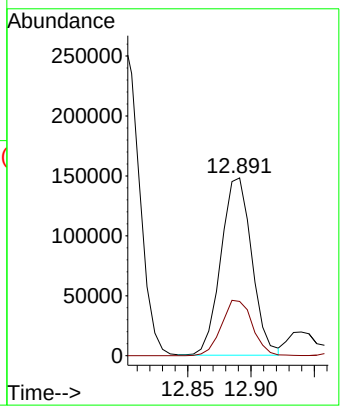
Tgt Ion: 91 Resp: 25188

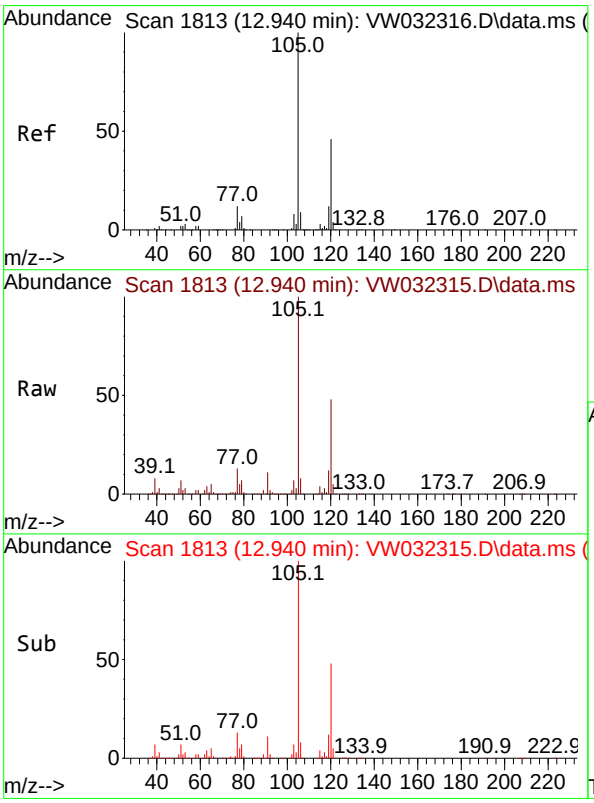
Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.6	49.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

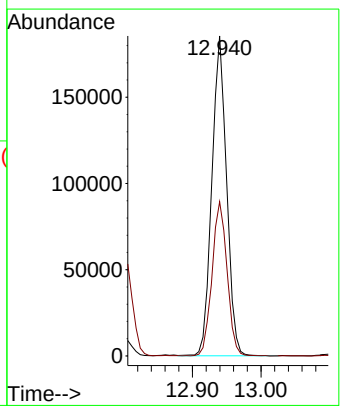


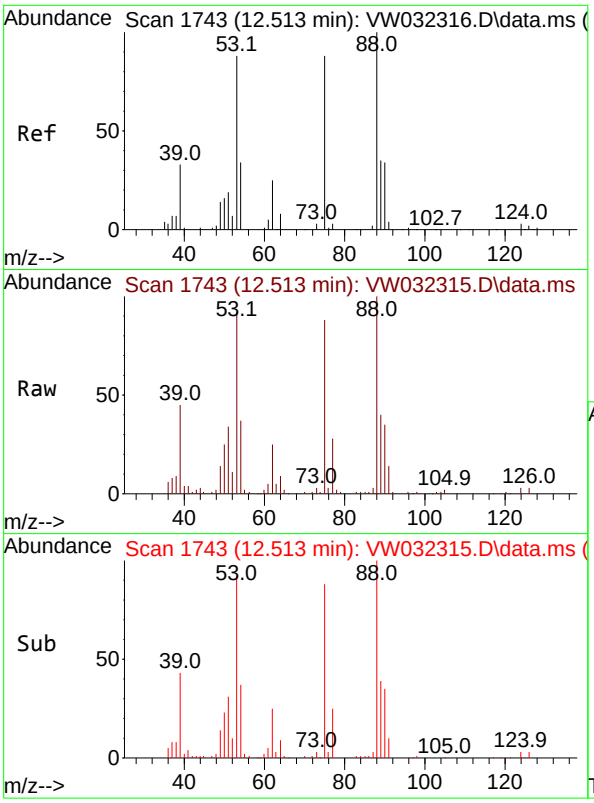


#80
1,3,5-Trimethylbenzene
Concen: 19.307 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:105 Resp: 276218

Ion	Ratio	Lower	Upper
105	100		
120	49.3	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 18.808 ug/l
RT: 12.513 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

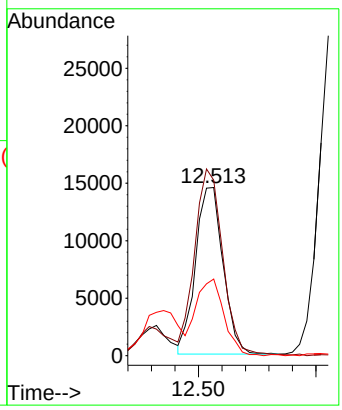
Tgt Ion: 75 Resp: 2362

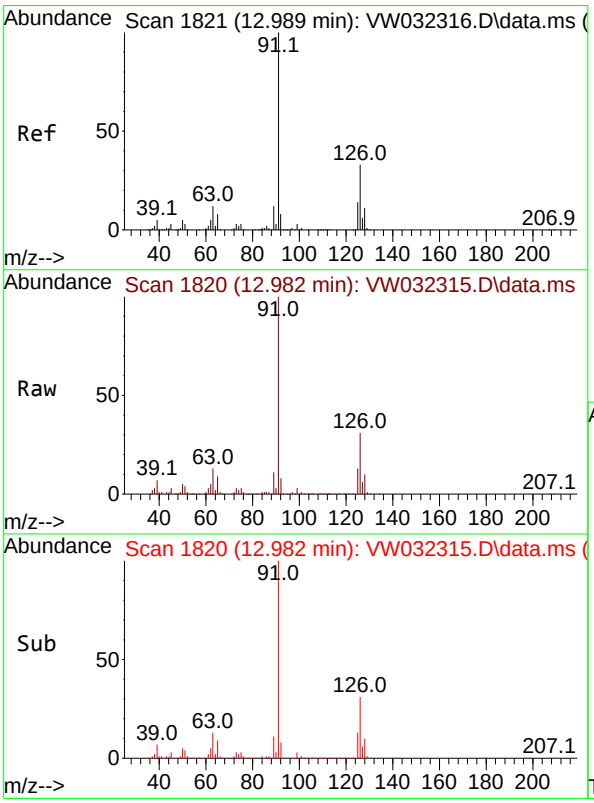
Ion	Ratio	Lower	Upper
75	100		
53	115.4	91.0	136.6
89	46.7	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

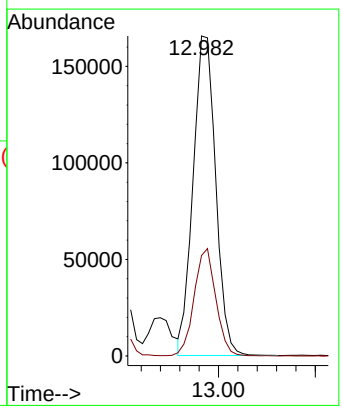


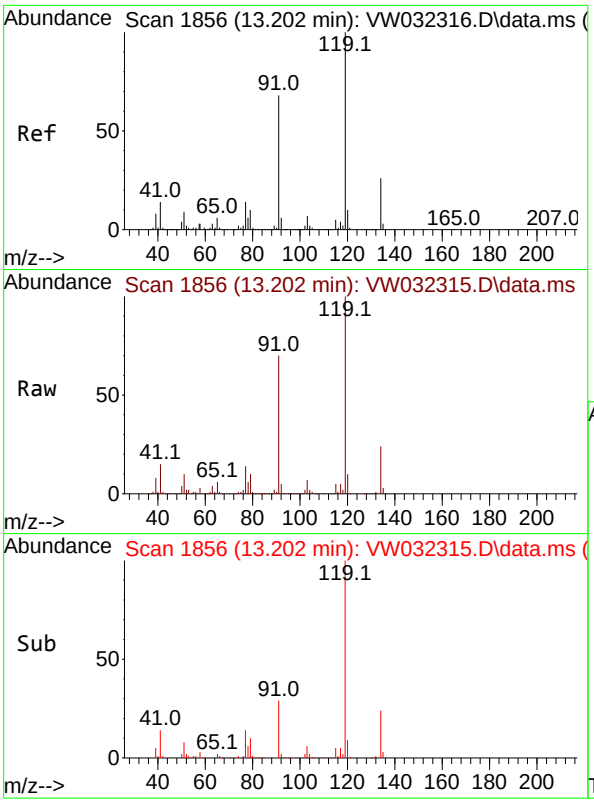


#82
4-Chlorotoluene
Concen: 20.002 ug/l
RT: 12.982 min Scan# 1820
Delta R.T. -0.007 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 91 Resp: 268736

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.2





#83
tert-Butylbenzene
Concen: 19.685 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

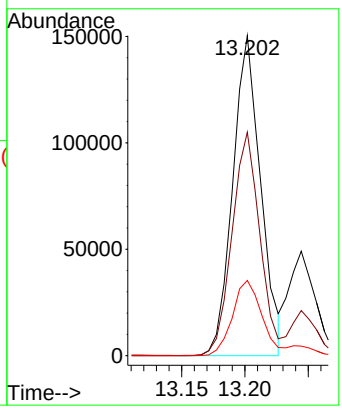
Tgt Ion:119 Resp: 23108

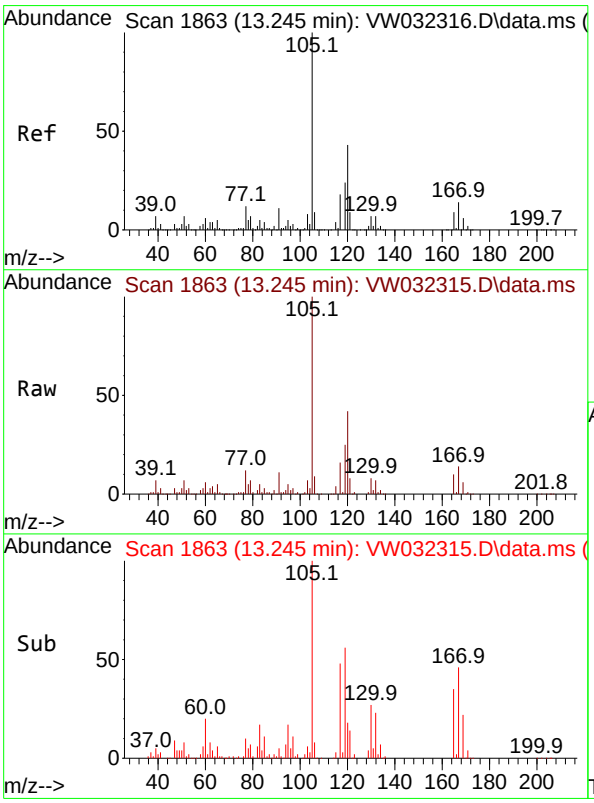
Ion	Ratio	Lower	Upper
119	100		
91	69.3	33.8	101.3
134	24.9	12.5	37.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

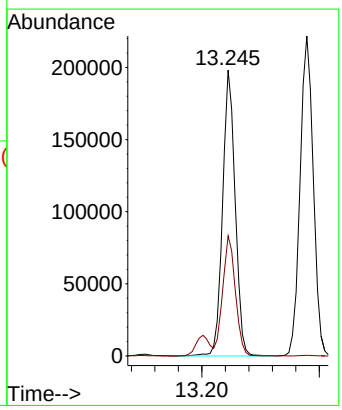


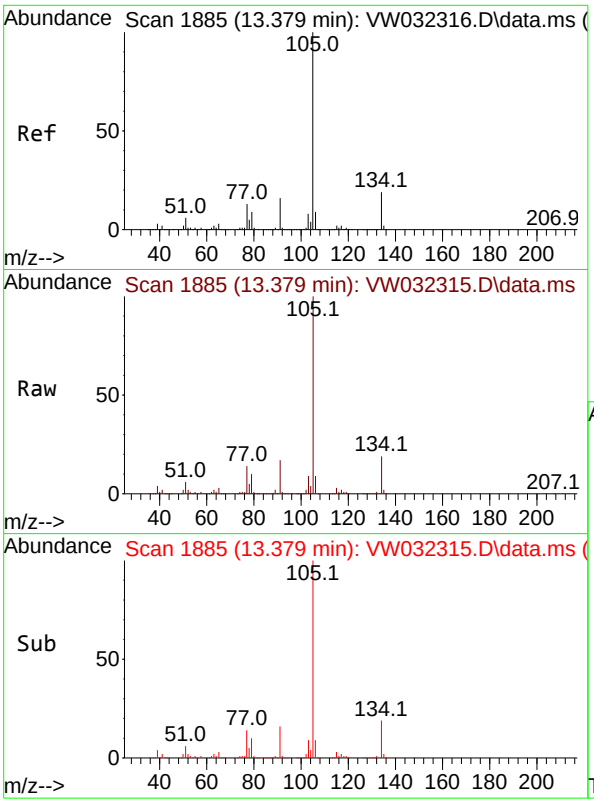


#84
1,2,4-Trimethylbenzene
Concen: 20.253 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:105 Resp: 294630

Ion	Ratio	Lower	Upper
105	100		
120	42.3	22.1	66.3

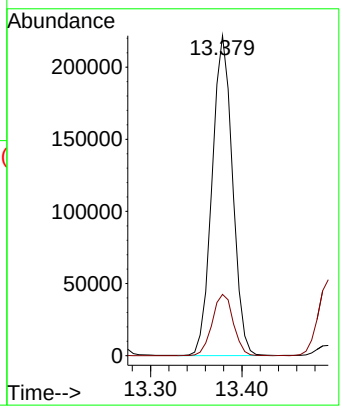




#85
sec-Butylbenzene
Concen: 19.209 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:105 Resp: 34459

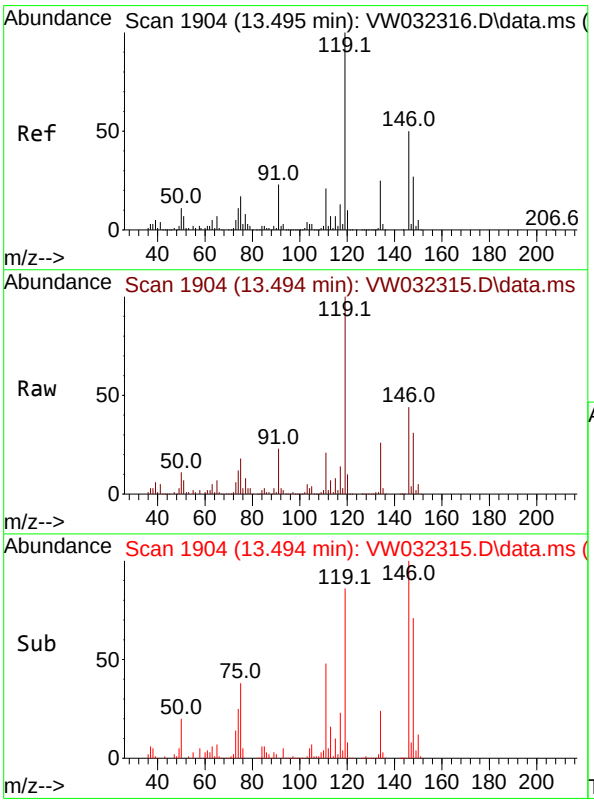
Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.1	30.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

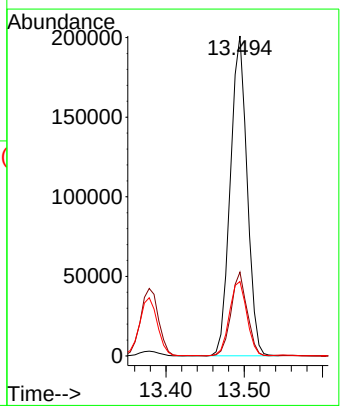
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

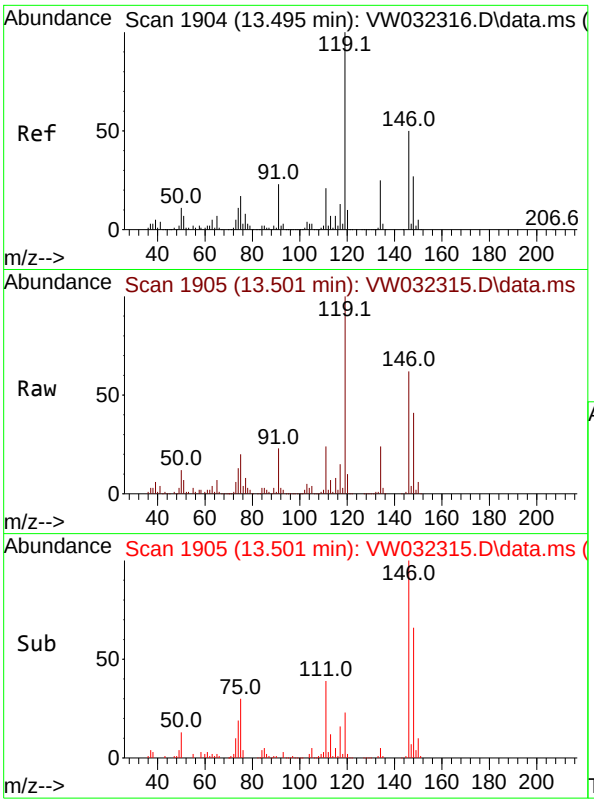


#86
p-Isopropyltoluene
Concen: 20.057 ug/l
RT: 13.494 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:119 Resp: 298543

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.6
91	24.1	12.4	37.0

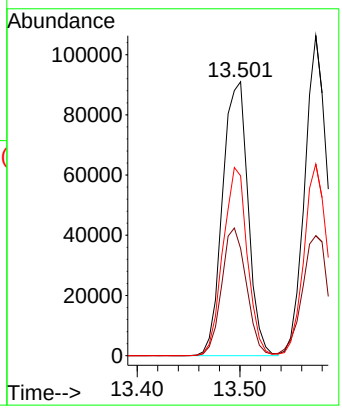




#87
1,3-Dichlorobenzene
Concen: 19.461 ug/l
RT: 13.501 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:146 Resp: 15716

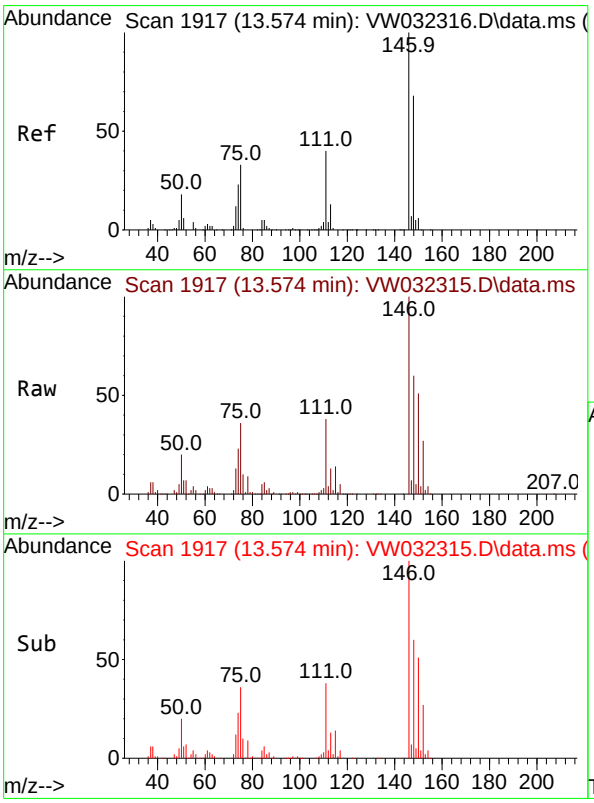
Ion	Ratio	Lower	Upper
146	100		
111	45.0	20.6	61.9
148	65.4	30.6	92.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

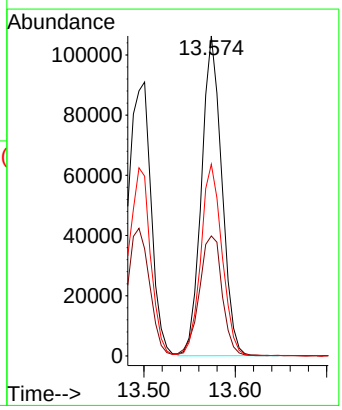
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

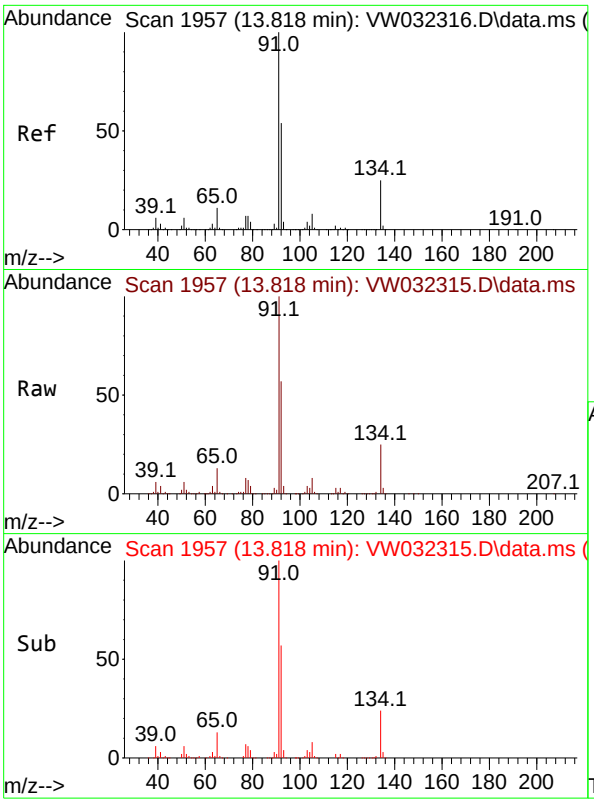


#88
1,4-Dichlorobenzene
Concen: 20.364 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:146 Resp: 164453

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	63.7
148	62.2	33.4	100.1

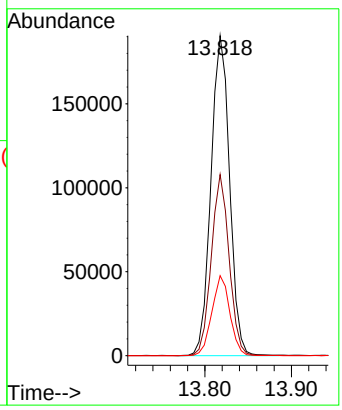




#89
n-Butylbenzene
Concen: 19.585 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 91 Resp: 28463

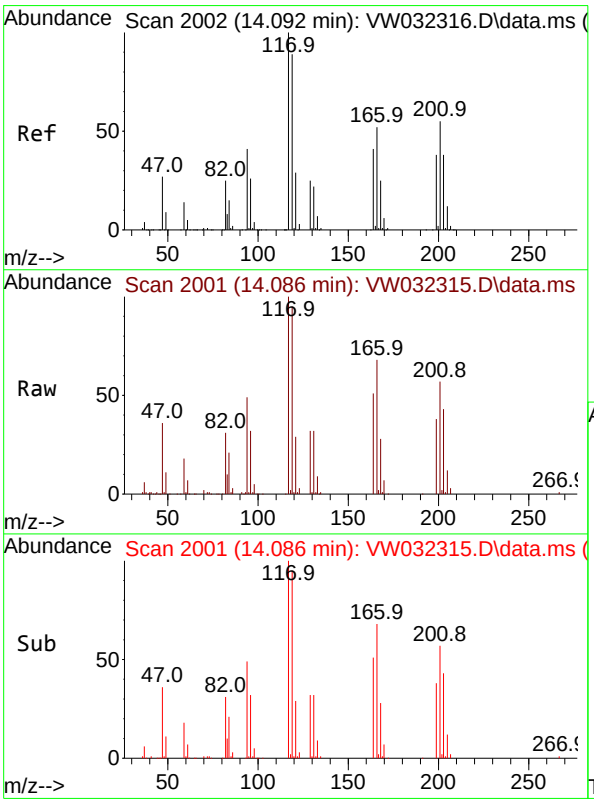
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.0	81.0
134	24.2	13.1	39.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

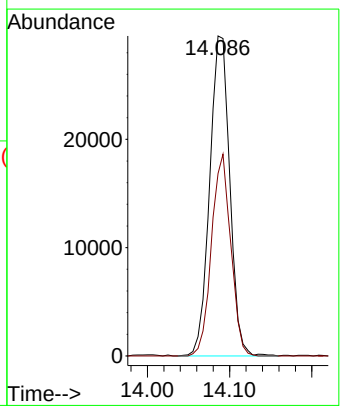
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

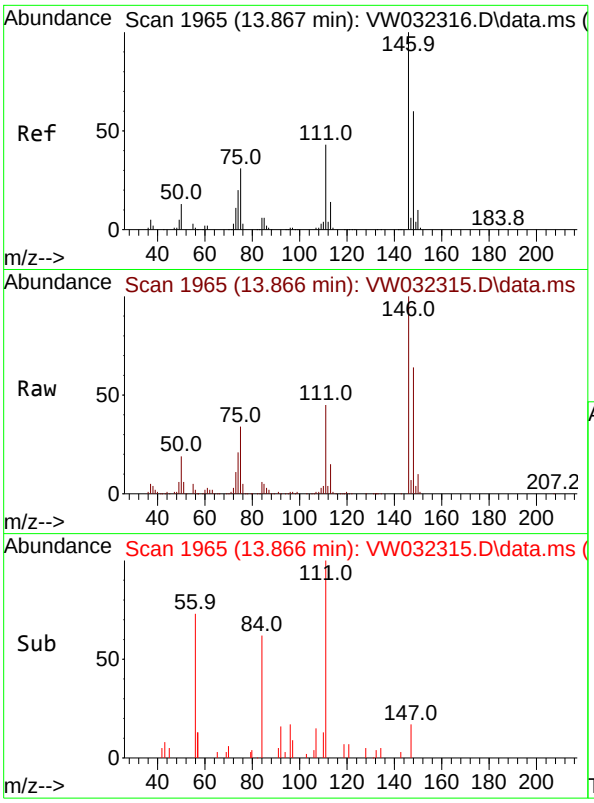


#90
Hexachloroethane
Concen: 18.779 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:117 Resp: 50102

Ion	Ratio	Lower	Upper
117	100		
201	60.5	32.8	98.4

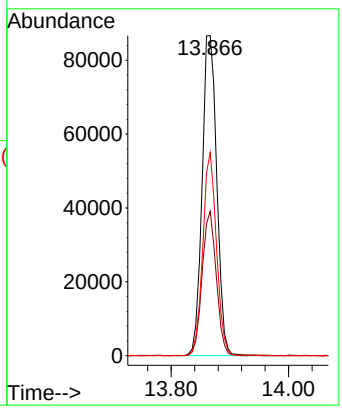




#91
1,2-Dichlorobenzene
Concen: 20.636 ug/l
RT: 13.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:146 Resp: 15065

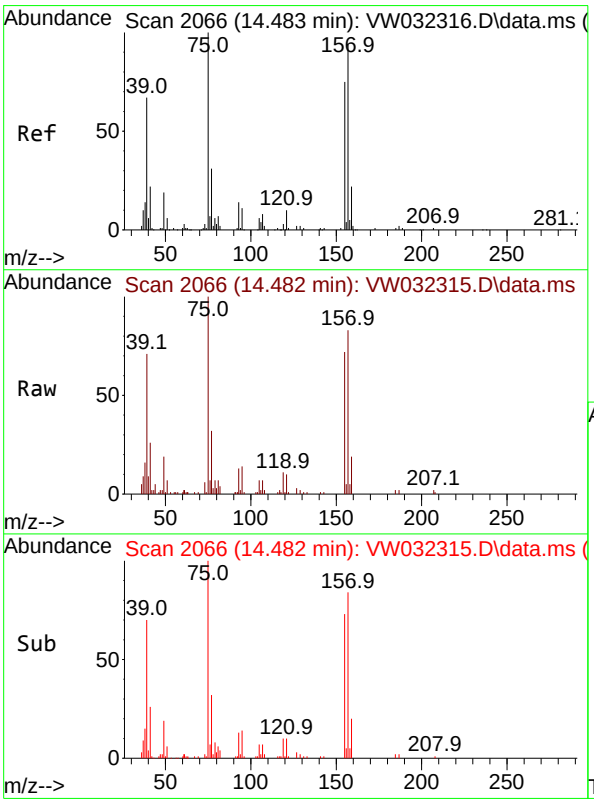
Ion	Ratio	Lower	Upper
146	100		
111	43.4	23.4	70.0
148	59.1	34.1	102.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

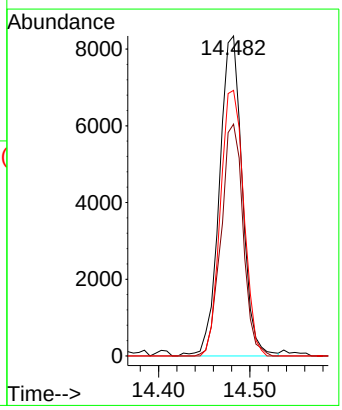
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

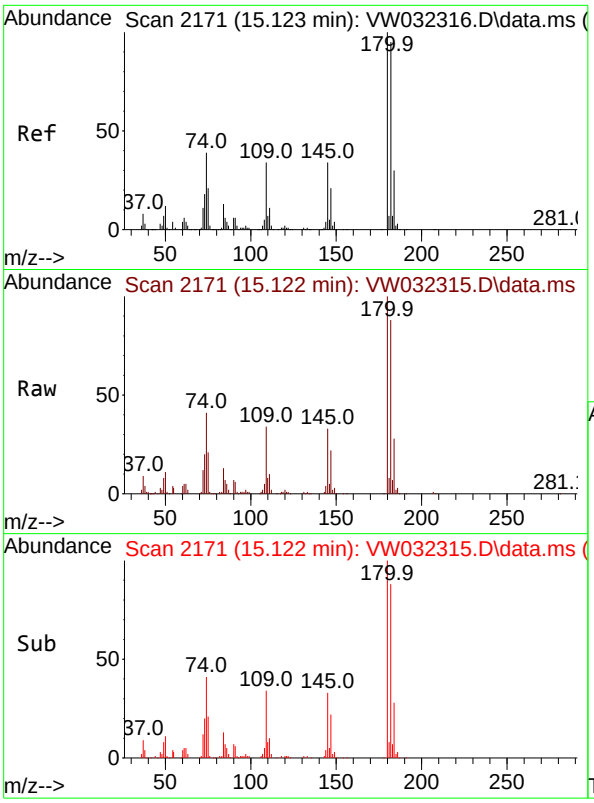


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.123 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion: 75 Resp: 14474

Ion	Ratio	Lower	Upper
75	100		
155	70.0	40.8	122.5
157	84.8	51.8	155.4

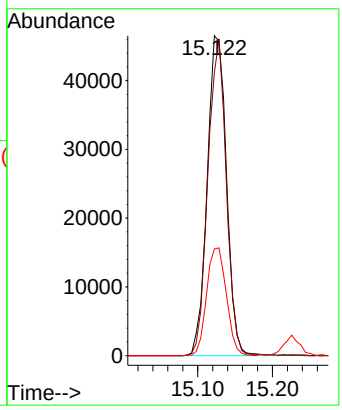




#93
1,2,4-Trichlorobenzene
Concen: 19.115 ug/l
RT: 15.122 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:180 Resp: 8368

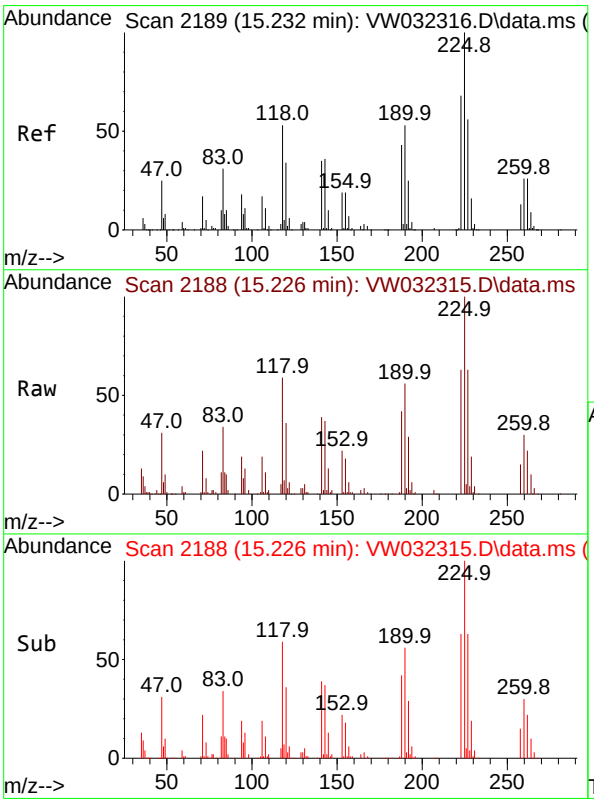
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.2
145	34.4	16.4	49.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

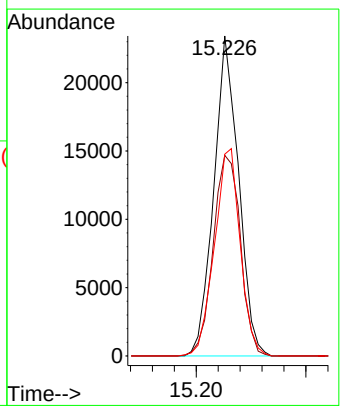
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

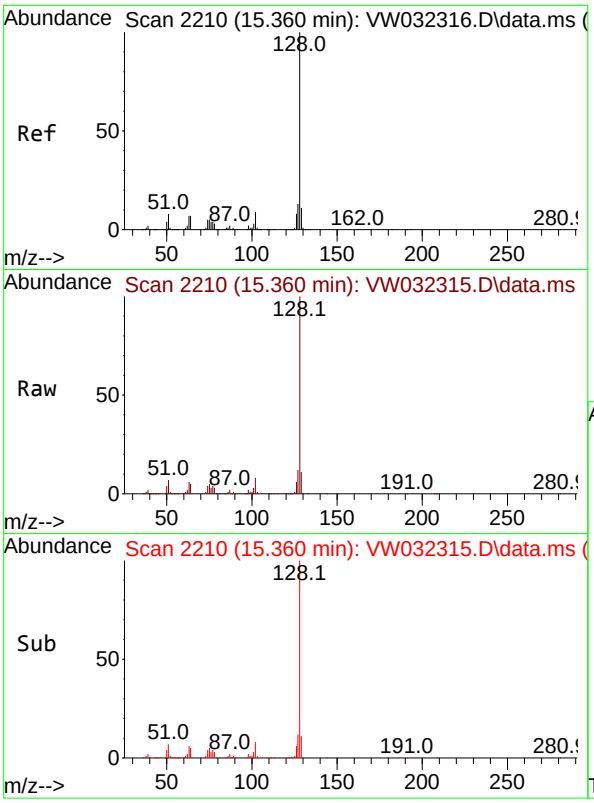


#94
Hexachlorobutadiene
Concen: 18.340 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:225 Resp: 36708

Ion	Ratio	Lower	Upper
225	100		
223	68.8	29.8	89.3
227	67.5	30.5	91.5

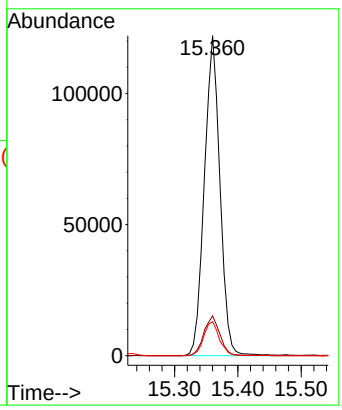




#95
Naphthalene
Concen: 19.889 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:128 Resp: 20910

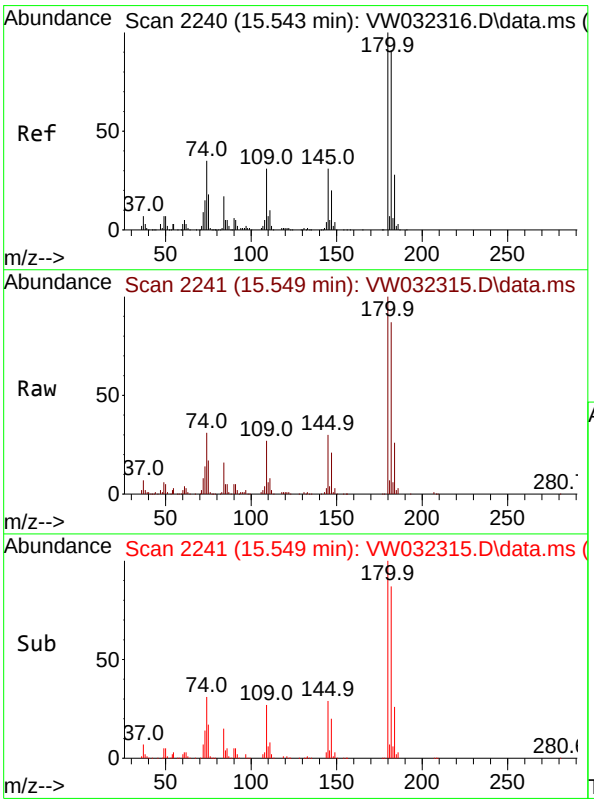
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.8	8.4	12.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

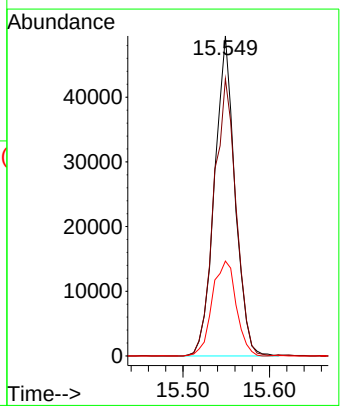
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.664 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW032315.D
Acq: 01 Oct 2025 14:15

Tgt Ion:180 Resp: 81141

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.7	143.1
145	34.8	17.2	51.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032316.D
Acq On : 01 Oct 2025 14:37
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 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:15:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	289091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	530255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	489049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	234466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	200915	47.649	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 95.300%			
35) Dibromofluoromethane	7.904	113	162134	47.215	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 94.420%			
50) Toluene-d8	10.325	98	632778	49.927	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.860%			
62) 4-Bromofluorobenzene	12.617	95	237645	49.609	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 99.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	76397	42.113	ug/l	97
3) Chloromethane	2.253	50	120776	43.147	ug/l	97
4) Vinyl Chloride	2.405	62	153004	45.785	ug/l	98
5) Bromomethane	2.826	94	110413	44.960	ug/l	96
6) Chloroethane	2.966	64	102915	46.646	ug/l	95
7) Trichlorofluoromethane	3.308	101	120856	48.301	ug/l	96
8) Diethyl Ether	3.722	74	99427	45.858	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.106	101	134421	44.790	ug/l	92
10) Methyl Iodide	4.320	142	200360	46.790	ug/l	98
11) Tert butyl alcohol	5.222	59	70796	221.816	ug/l	97
12) 1,1-Dichloroethene	4.082	96	150540	46.204	ug/l	94
13) Acrolein	3.930	56	116224	224.375	ug/l	99
14) Allyl chloride	4.704	41	263294	47.845	ug/l	88
15) Acrylonitrile	5.405	53	270572	239.878	ug/l	98
16) Acetone	4.161	43	264513	226.556	ug/l	99
17) Carbon Disulfide	4.423	76	416819	46.888	ug/l	99
18) Methyl Acetate	4.710	43	180500	53.969	ug/l	97
19) Methyl tert-butyl Ether	5.460	73	308939	48.143	ug/l	97
20) Methylene Chloride	4.954	84	182336	46.839	ug/l	92
21) trans-1,2-Dichloroethene	5.460	96	170174	47.176	ug/l	98
22) Diisopropyl ether	6.344	45	548474	47.923	ug/l	93
23) Vinyl Acetate	6.283	43	1815632	237.512	ug/l	100
24) 1,1-Dichloroethane	6.246	63	327109	47.045	ug/l	99
25) 2-Butanone	7.191	43	378087	237.771	ug/l	97
26) 2,2-Dichloropropane	7.191	77	166572	46.834	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	207106	47.792	ug/l	94
28) Bromochloromethane	7.533	49	158249	48.374	ug/l	87
29) Tetrahydrofuran	7.551	42	247313	247.317	ug/l	94
30) Chloroform	7.697	83	331309	46.983	ug/l	99
31) Cyclohexane	7.971	56	263340	44.363	ug/l	98
32) 1,1,1-Trichloroethane	7.892	97	235925	47.214	ug/l	99
36) 1,1-Dichloropropene	8.093	75	232959	48.069	ug/l	97
37) Ethyl Acetate	7.276	43	153726	47.655	ug/l	99
38) Carbon Tetrachloride	8.081	117	213729	46.865	ug/l	95
39) Methylcyclohexane	9.343	83	276342	47.272	ug/l	97
40) Benzene	8.337	78	713410	46.964	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032316.D
Acq On : 01 Oct 2025 14:37
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 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:15:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.502	41	86799	49.929	ug/l		92
42)	1,2-Dichloroethane	8.410	62	234579	47.194	ug/l		100
43)	Isopropyl Acetate	8.435	43	275836	48.202	ug/l		100
44)	Trichloroethene	9.099	130	165466	46.519	ug/l		84
45)	1,2-Dichloropropane	9.374	63	180898	47.709	ug/l		100
46)	Dibromomethane	9.465	93	111827	47.962	ug/l		94
47)	Bromodichloromethane	9.654	83	254689	47.759	ug/l		97
48)	Methyl methacrylate	9.441	41	137281	49.341	ug/l	#	92
49)	1,4-Dioxane	9.459	88	32650	1024.535	ug/l	#	94
51)	4-Methyl-2-Pentanone	10.215	43	825948	249.195	ug/l		99
52)	Toluene	10.392	92	454566	48.052	ug/l		99
53)	t-1,3-Dichloropropene	10.611	75	253517	49.001	ug/l		99
54)	cis-1,3-Dichloropropene	10.081	75	288719	48.447	ug/l		93
55)	1,1,2-Trichloroethane	10.788	97	148551	47.671	ug/l		97
56)	Ethyl methacrylate	10.648	69	216484	49.633	ug/l		94
57)	1,3-Dichloropropane	10.934	76	264139	47.992	ug/l		100
58)	2-Chloroethyl Vinyl ether	9.928	63	639919	275.675	ug/l		96
59)	2-Hexanone	10.971	43	581510	248.758	ug/l		99
60)	Dibromochloromethane	11.129	129	172945	48.878	ug/l		96
61)	1,2-Dibromoethane	11.239	107	147146	48.427	ug/l		100
64)	Tetrachloroethene	10.867	164	136139	46.522	ug/l		94
65)	Chlorobenzene	11.660	112	502586	46.707	ug/l		96
66)	1,1,1,2-Tetrachloroethane	11.727	131	154835	46.199	ug/l		98
67)	Ethyl Benzene	11.733	91	848140	47.287	ug/l		97
68)	m/p-Xylenes	11.837	106	653426	94.476	ug/l		98
69)	o-Xylene	12.166	106	311759	48.200	ug/l		100
70)	Styrene	12.178	104	549550	48.664	ug/l		99
71)	Bromoform	12.343	173	92293	48.043	ug/l	#	100
73)	Isopropylbenzene	12.465	105	780146	48.634	ug/l		100
74)	N-amyl acetate	12.269	43	249273	48.711	ug/l		99
75)	1,1,2,2-Tetrachloroethane	12.715	83	189461	47.568	ug/l		99
76)	1,2,3-Trichloropropane	12.763	75	141741m	45.812	ug/l		
77)	Bromobenzene	12.745	156	191637	49.560	ug/l		90
78)	n-propylbenzene	12.800	91	961286	47.974	ug/l		97
79)	2-Chlorotoluene	12.891	91	590868	48.227	ug/l		100
80)	1,3,5-Trimethylbenzene	12.940	105	682722	49.221	ug/l		96
81)	trans-1,4-Dichloro-2-b...	12.513	75	62771	51.537	ug/l		91
82)	4-Chlorotoluene	12.989	91	621247	47.694	ug/l		99
83)	tert-Butylbenzene	13.202	119	552559	48.551	ug/l		99
84)	1,2,4-Trimethylbenzene	13.245	105	695101	49.283	ug/l		100
85)	sec-Butylbenzene	13.379	105	836597	48.102	ug/l		96
86)	p-Isopropyltoluene	13.495	119	703465	48.747	ug/l		99
87)	1,3-Dichlorobenzene	13.495	146	375062	47.901	ug/l		98
88)	1,4-Dichlorobenzene	13.574	146	362915	46.354	ug/l		99
89)	n-Butylbenzene	13.818	91	677726	48.100	ug/l		99
90)	Hexachloroethane	14.092	117	122267	47.269	ug/l		90
91)	1,2-Dichlorobenzene	13.867	146	328681	46.437	ug/l		97
92)	1,2-Dibromo-3-Chloropr...	14.483	75	34323	49.219	ug/l		87
93)	1,2,4-Trichlorobenzene	15.123	180	195251	46.003	ug/l		96
94)	Hexachlorobutadiene	15.232	225	84805	43.703	ug/l		96
95)	Naphthalene	15.360	128	514556	50.483	ug/l		99
96)	1,2,3-Trichlorobenzene	15.543	180	189852	47.458	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032316.D
Acq On : 01 Oct 2025 14:37
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 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:15:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

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

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

ICAL Form

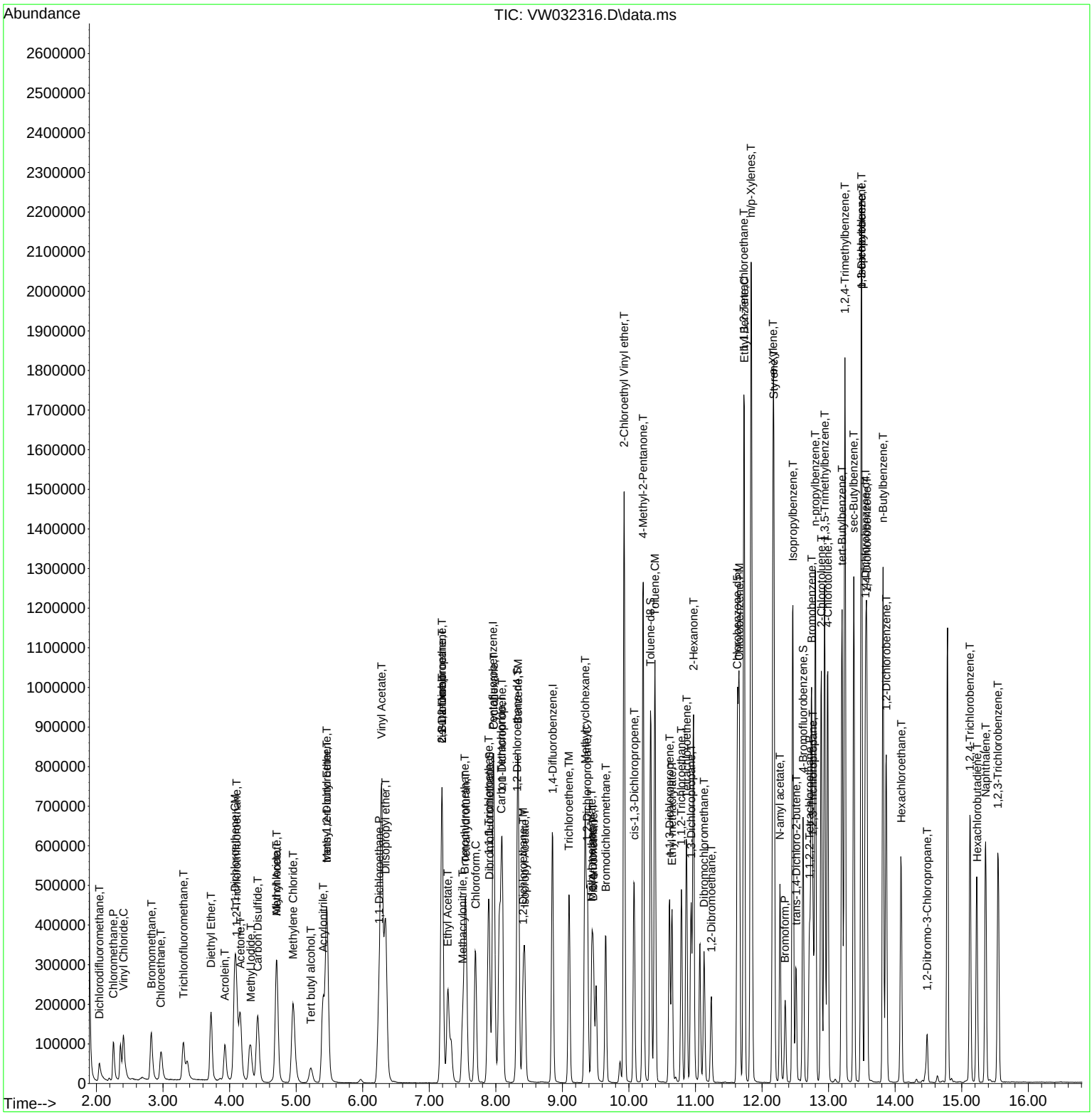
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Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

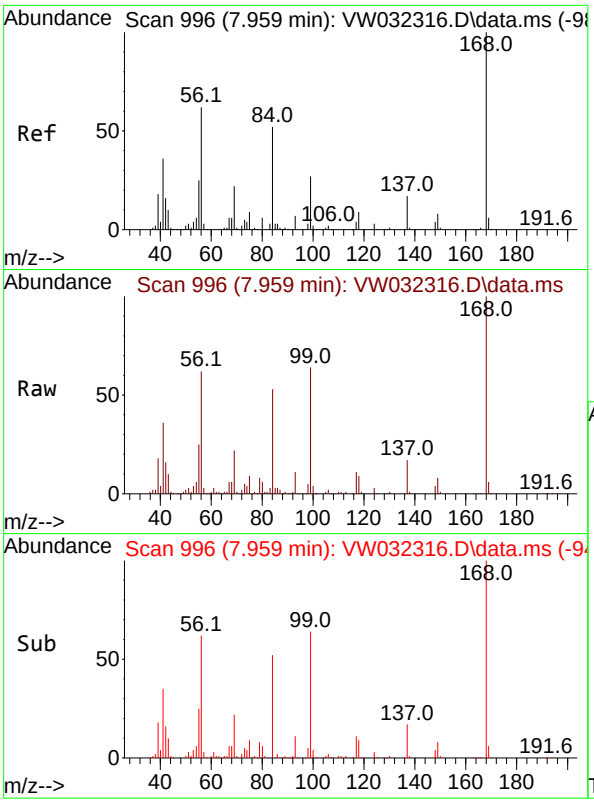
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

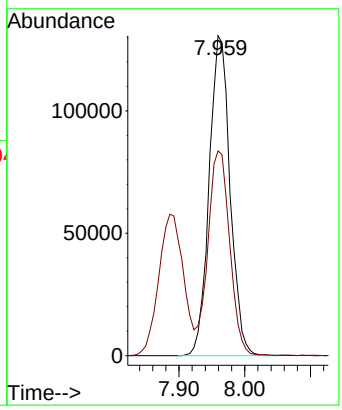




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:168 Resp: 28909

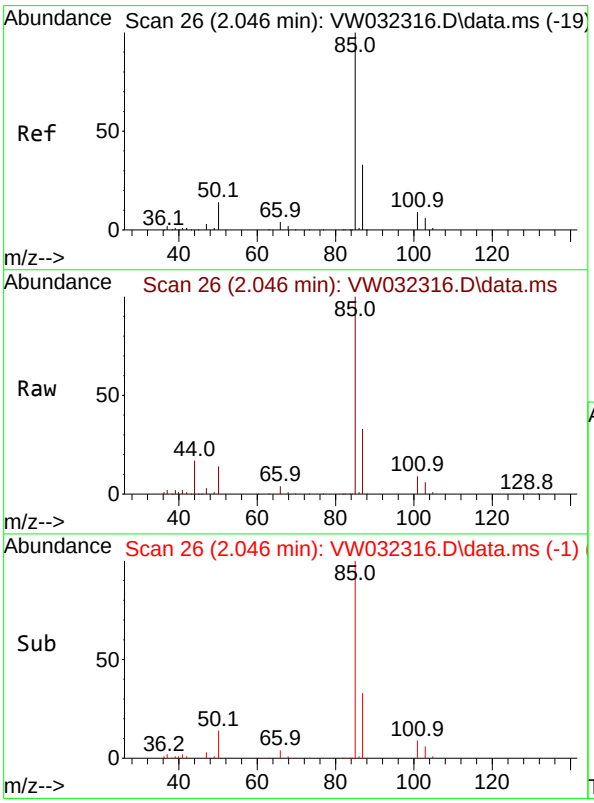
Ion	Ratio	Lower	Upper
168	100		
99	63.9	49.3	73.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

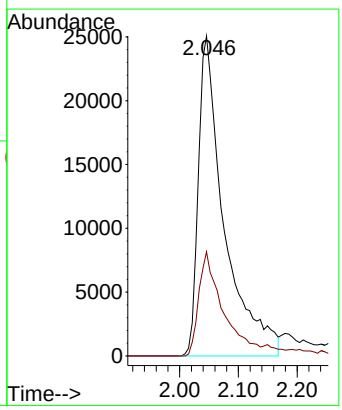
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

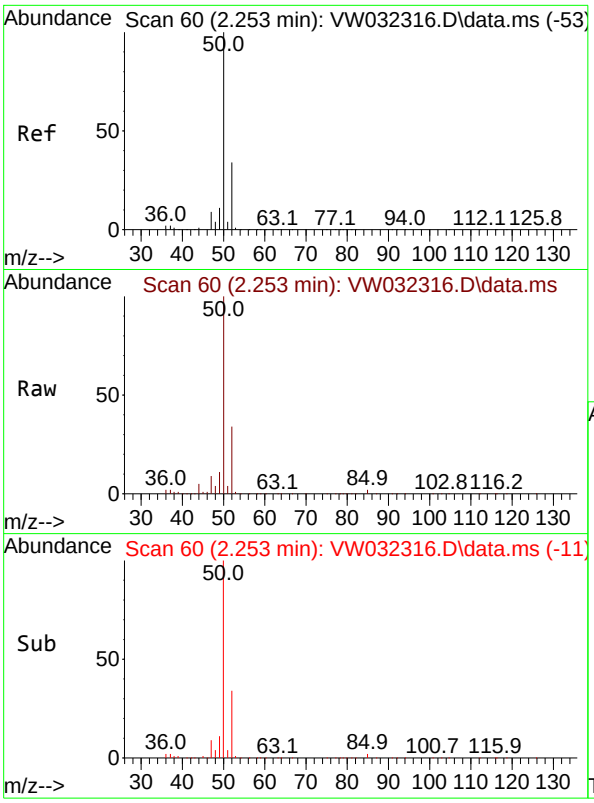


#2
Dichlorodifluoromethane
Concen: 42.113 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 85 Resp: 76397

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.2	51.6

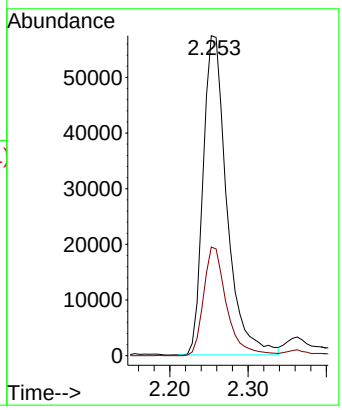




#3
Chloromethane
Concen: 43.147 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 50 Resp: 12077

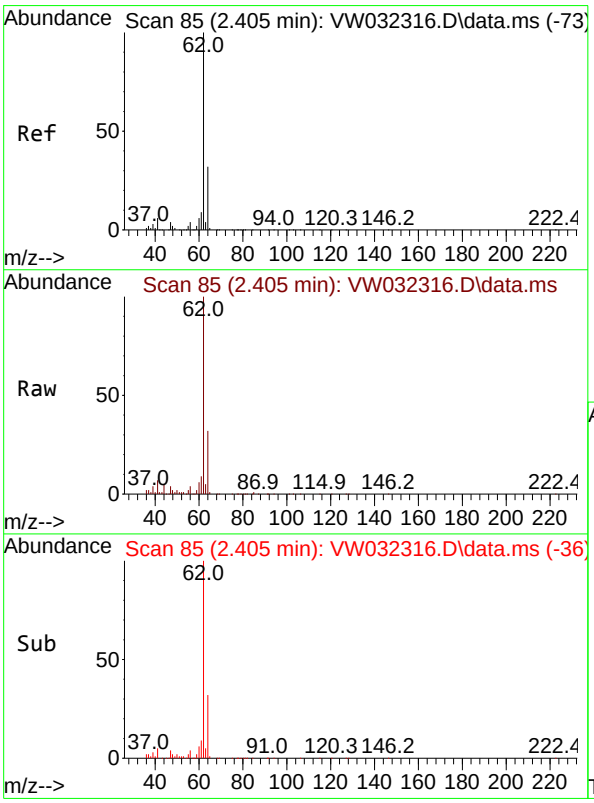
Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.1	39.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

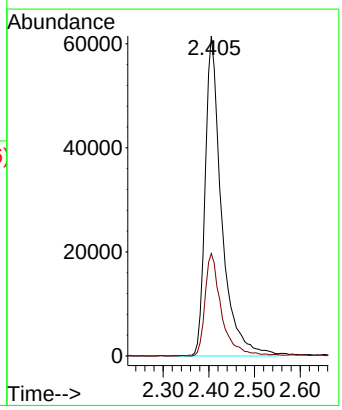
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

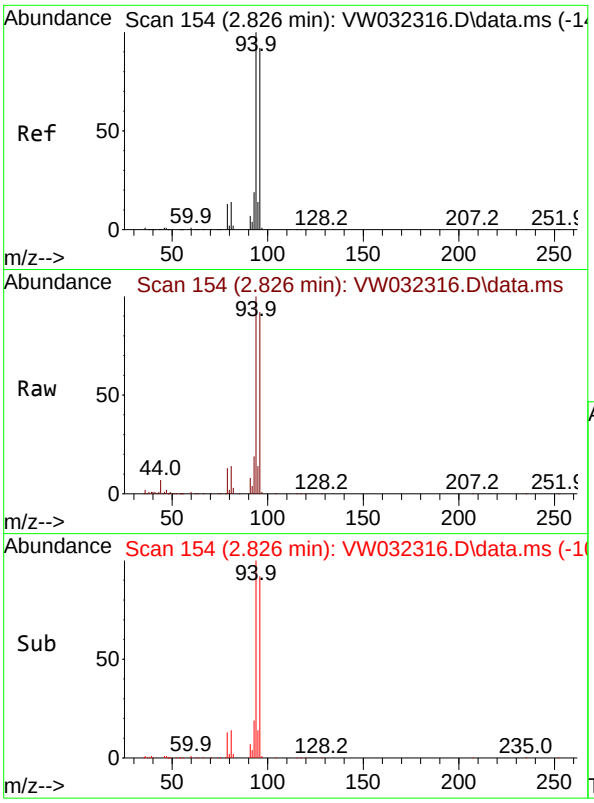


#4
Vinyl Chloride
Concen: 45.785 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 62 Resp: 153004

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.8	37.2

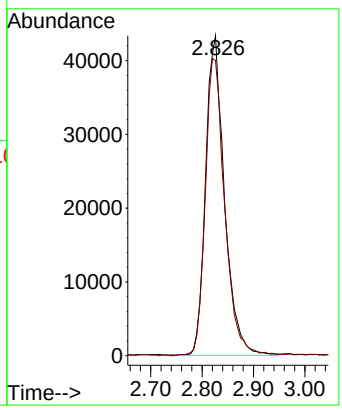




#5
Bromomethane
Concen: 44.960 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 94 Resp: 11041

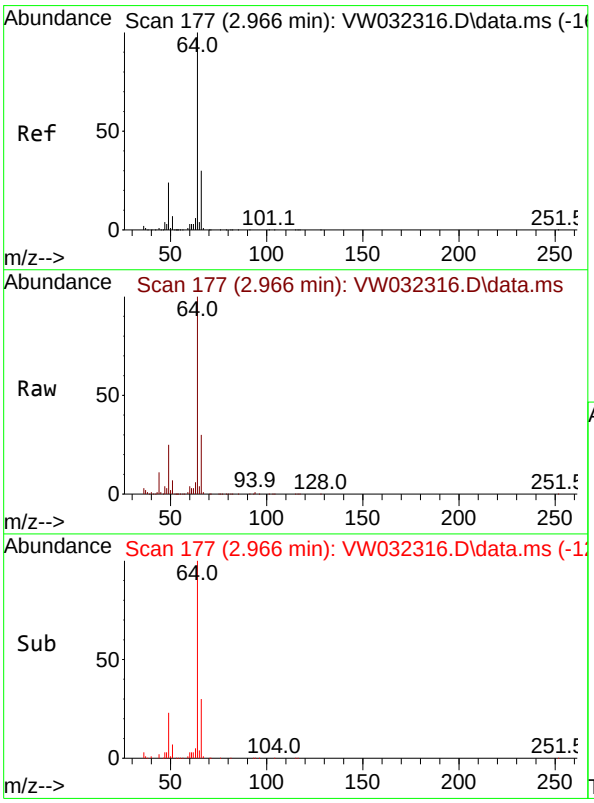
Ion	Ratio	Lower	Upper
94	100		
96	92.0	76.6	115.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

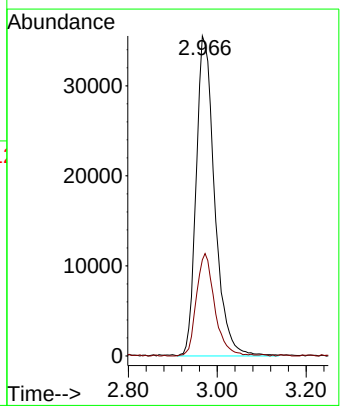
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

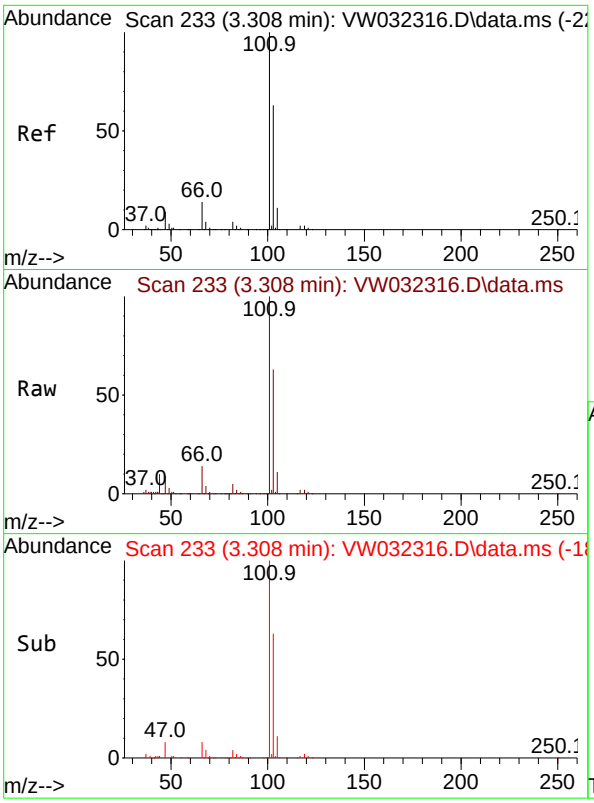


#6
Chloroethane
Concen: 46.646 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 64 Resp: 102915

Ion	Ratio	Lower	Upper
64	100		
66	29.9	26.2	39.4





#7
Trichlorofluoromethane
Concen: 48.301 ug/l
RT: 3.308 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

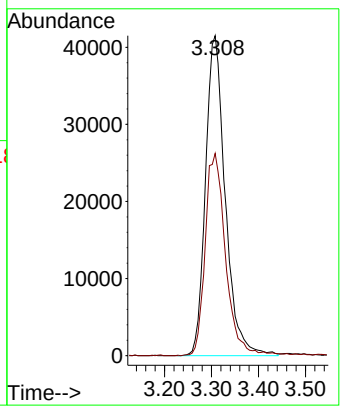
Tgt Ion:101 Resp: 12085

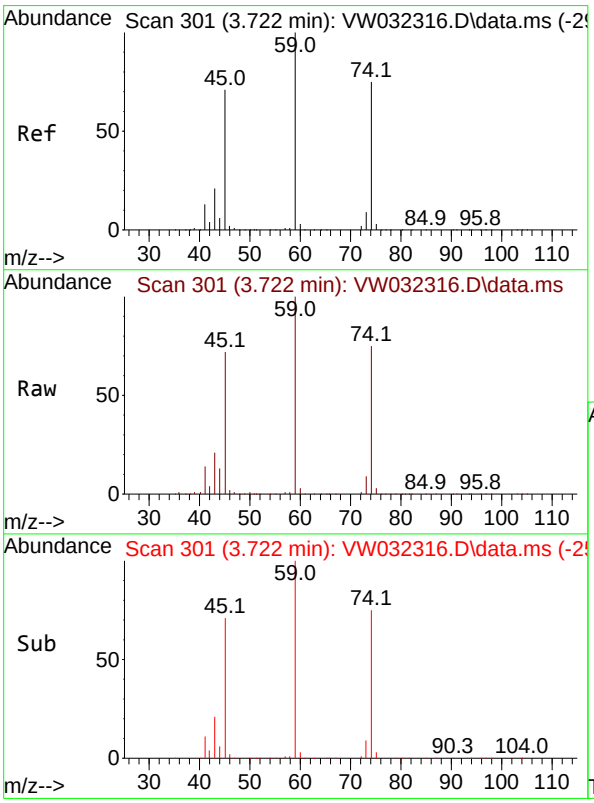
Ion	Ratio	Lower	Upper
101	100		
103	63.0	47.8	71.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

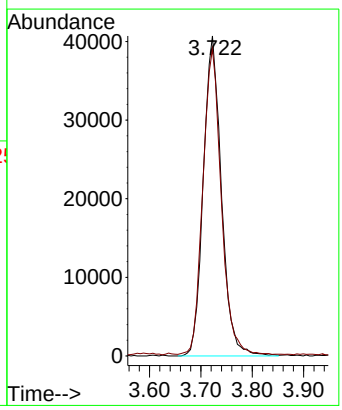


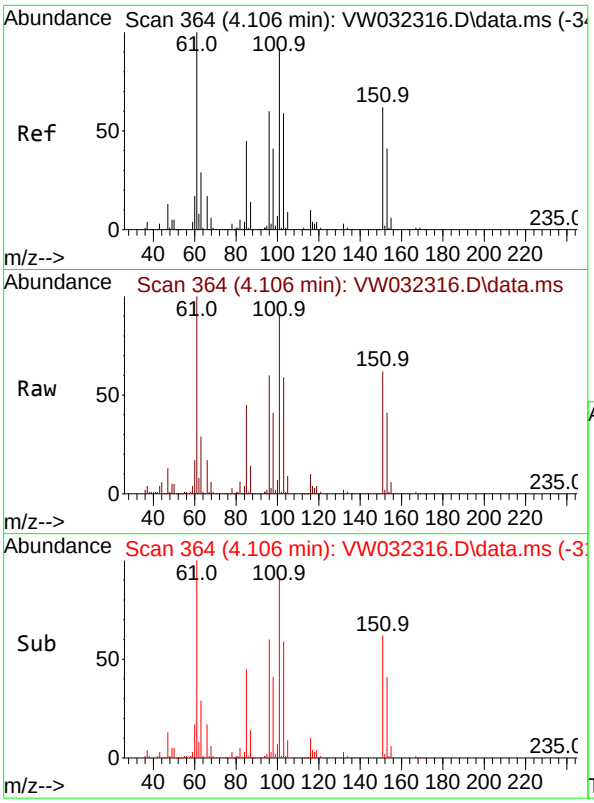


#8
Diethyl Ether
Concen: 45.858 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 74 Resp: 99427

Ion	Ratio	Lower	Upper
74	100		
45	96.7	43.1	129.4

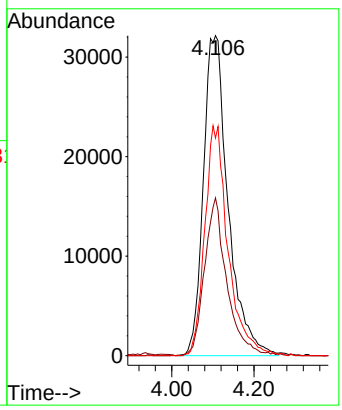




#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.790 ug/l
RT: 4.106 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:101 Resp: 13442

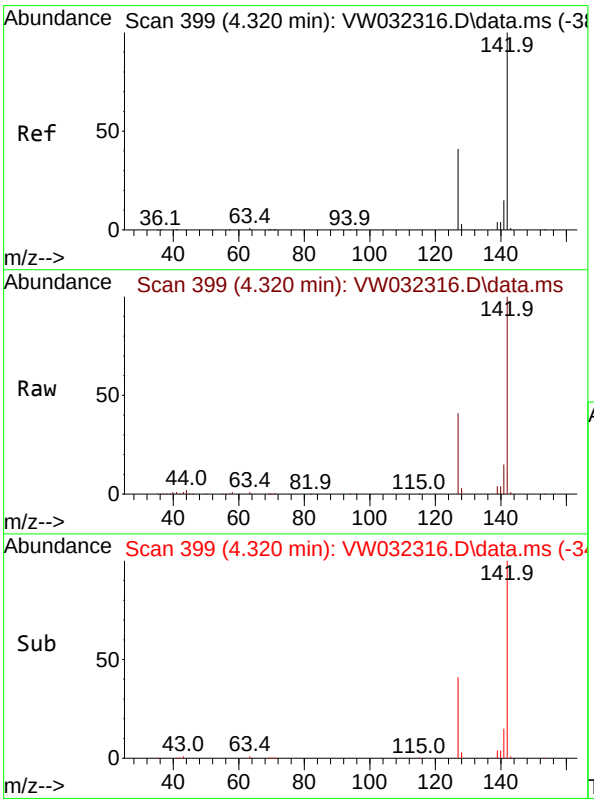
Ion	Ratio	Lower	Upper
101	100		
85	44.5	37.1	55.7
151	67.7	61.5	92.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

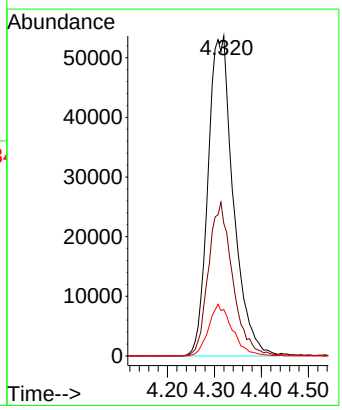
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

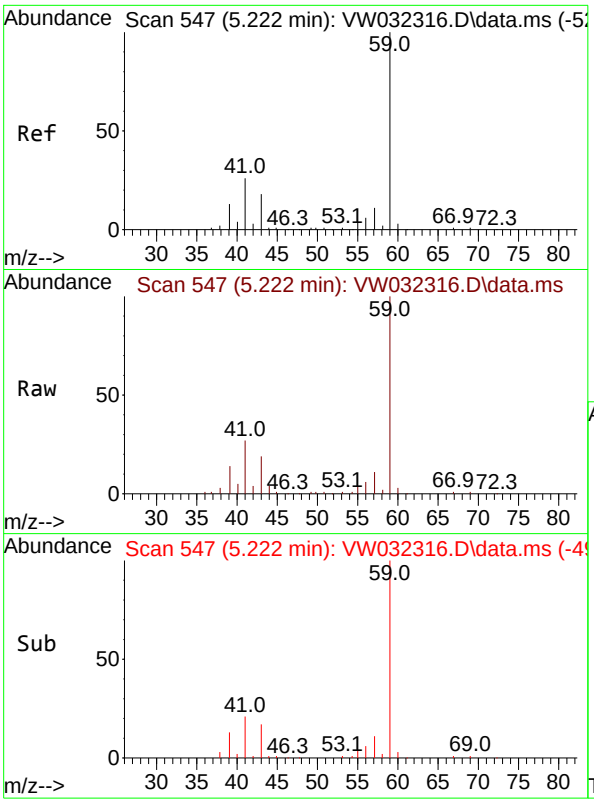


#10
Methyl Iodide
Concen: 46.790 ug/l
RT: 4.320 min Scan# 399
Delta R.T. 0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:142 Resp: 200360

Ion	Ratio	Lower	Upper
142	100		
127	46.1	38.2	57.2
141	15.3	12.2	18.2





#11
Tert butyl alcohol
Concen: 221.816 ug/l
RT: 5.222 min Scan# 54
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

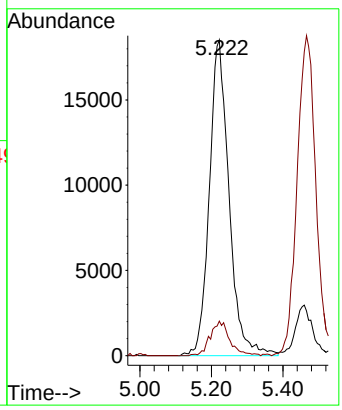
Tgt Ion: 59 Resp: 7079

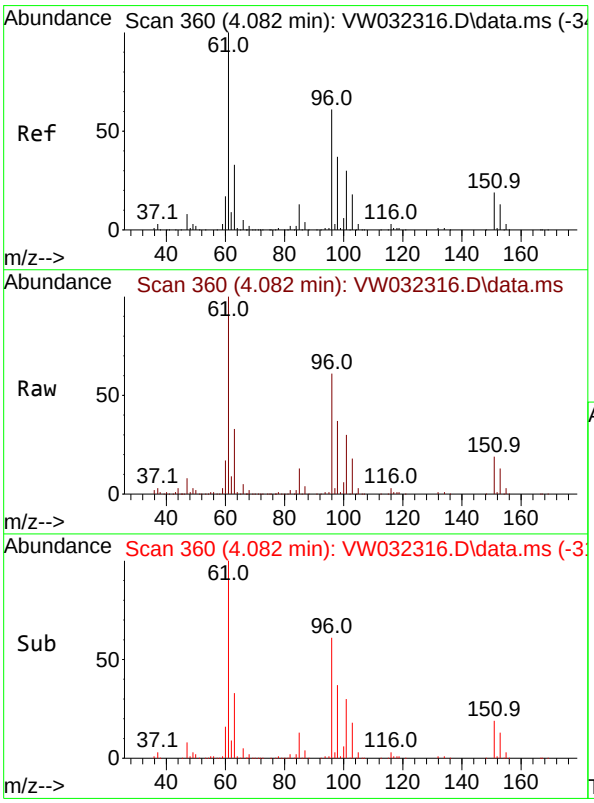
Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.8	14.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

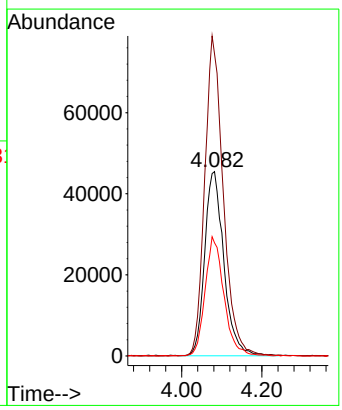


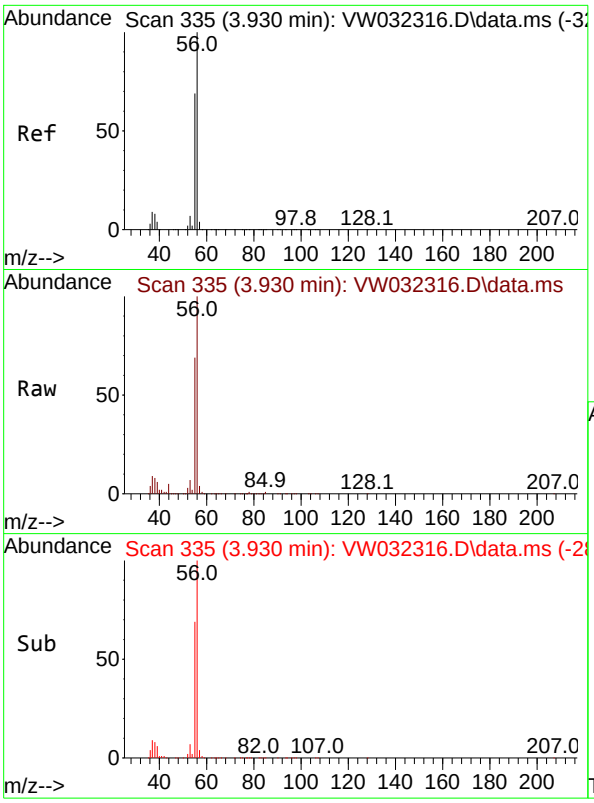


#12
1,1-Dichloroethene
Concen: 46.204 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 96 Resp: 150540

Ion	Ratio	Lower	Upper
96	100		
61	163.9	123.0	184.4
98	61.4	48.5	72.7

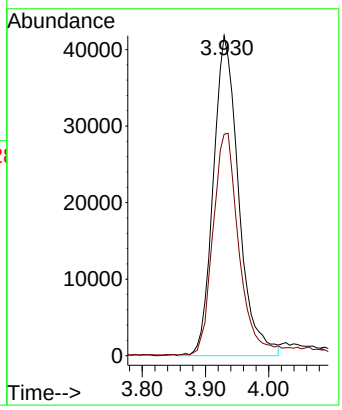




#13
Acrolein
Concen: 224.375 ug/l
RT: 3.930 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 56 Resp: 11622

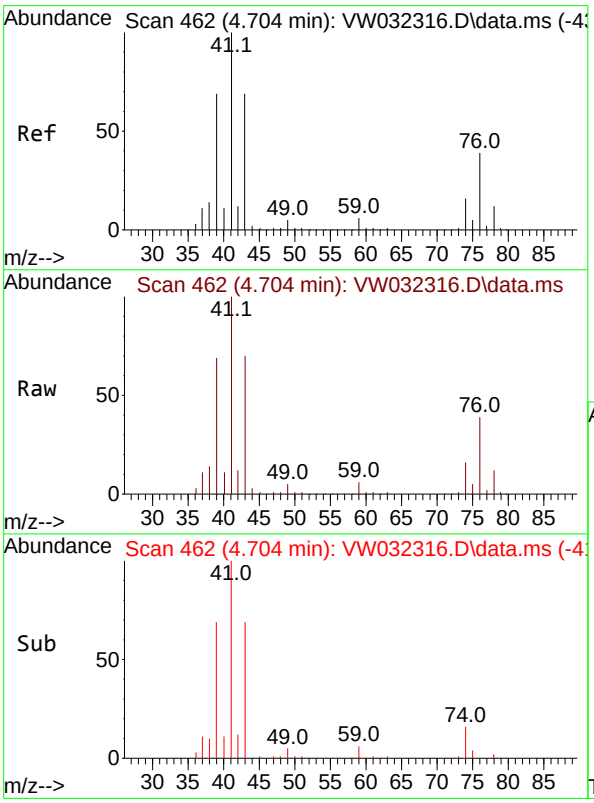
Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.4	84.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

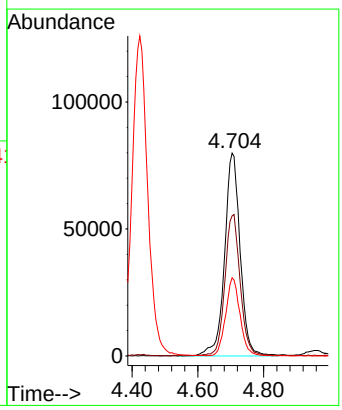
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

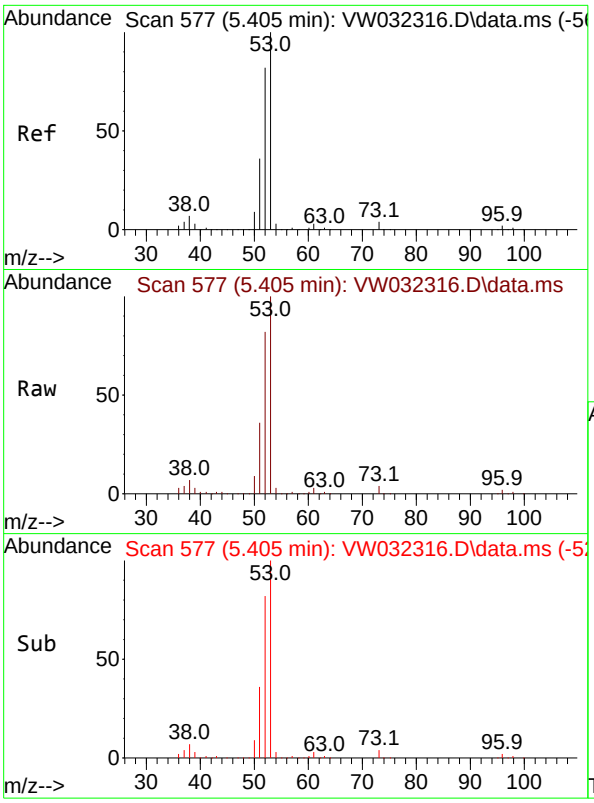


#14
Allyl chloride
Concen: 47.845 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 41 Resp: 263294

Ion	Ratio	Lower	Upper
41	100		
39	67.8	64.1	96.1
76	35.3	31.4	47.2

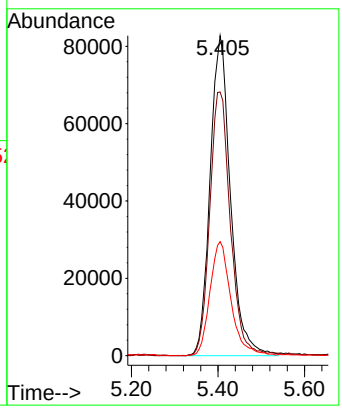




#15
Acrylonitrile
Concen: 239.878 ug/l
RT: 5.405 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 53 Resp: 27057

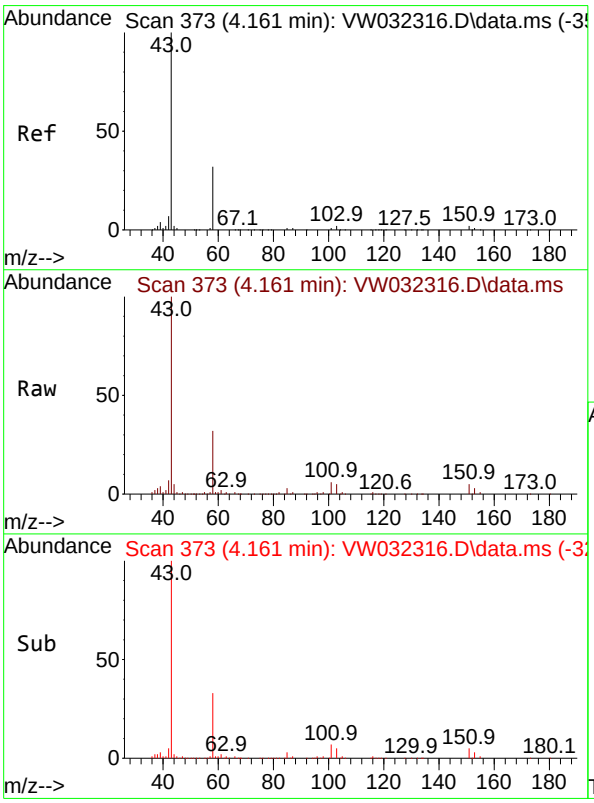
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.4	101.2
51	36.9	30.3	45.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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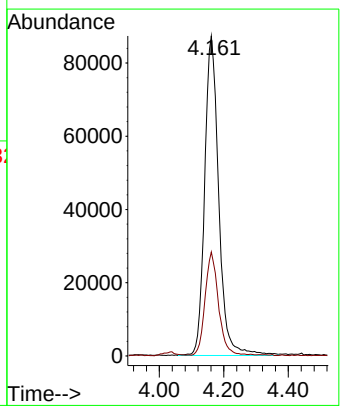
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

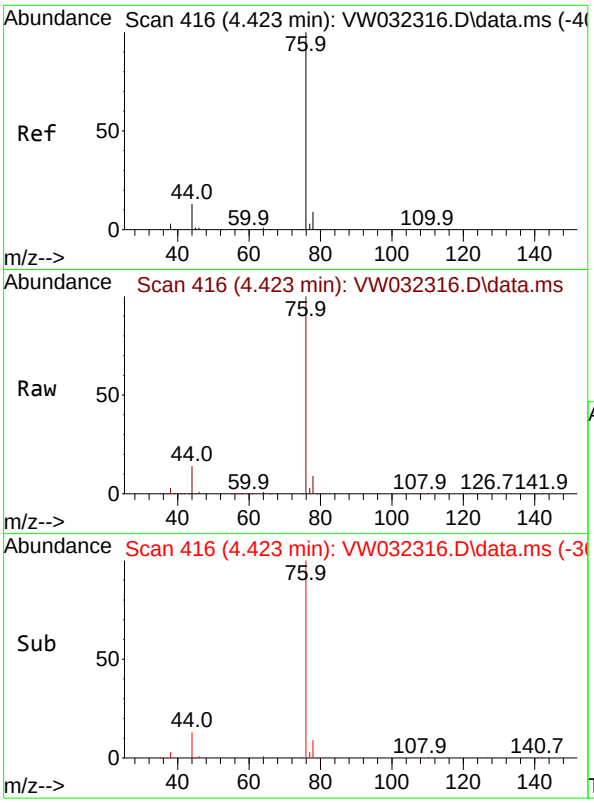


#16
Acetone
Concen: 226.556 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 43 Resp: 264513

Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.3	37.9





#17
Carbon Disulfide
Concen: 46.888 ug/l
RT: 4.423 min Scan# 4
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

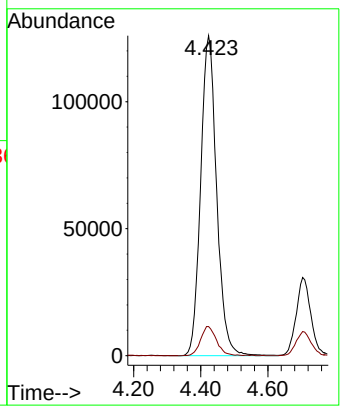
Tgt Ion: 76 Resp: 41681

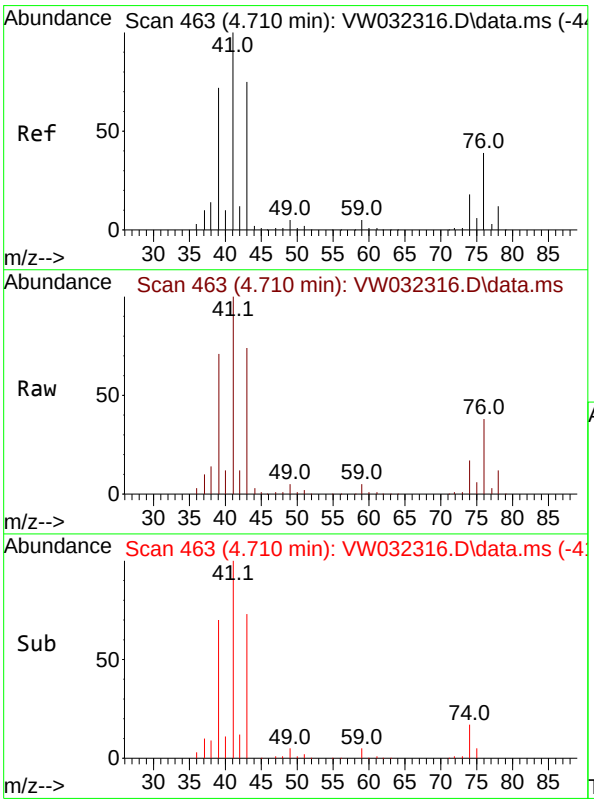
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

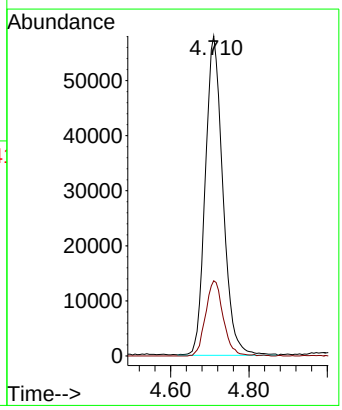


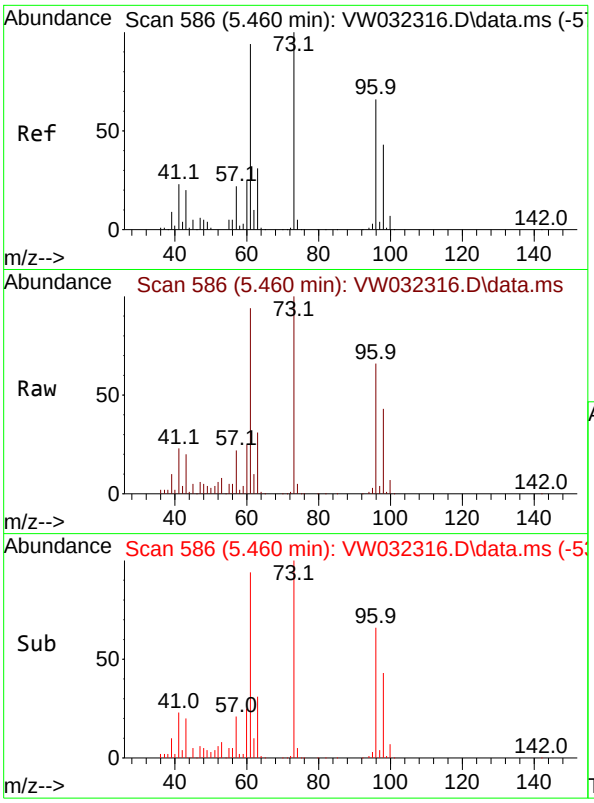


#18
Methyl Acetate
Concen: 53.969 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 43 Resp: 180500

Ion	Ratio	Lower	Upper
43	100		
74	23.6	20.2	30.4

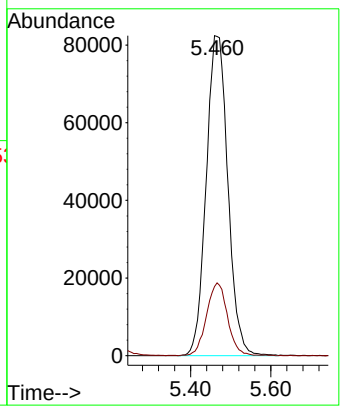




#19
Methyl tert-butyl Ether
Concen: 48.143 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 73 Resp: 30893

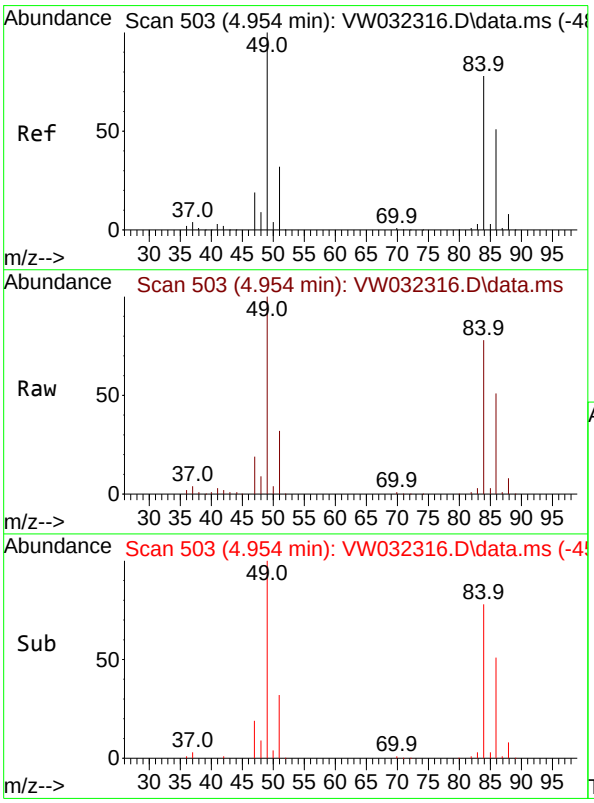
Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.2	24.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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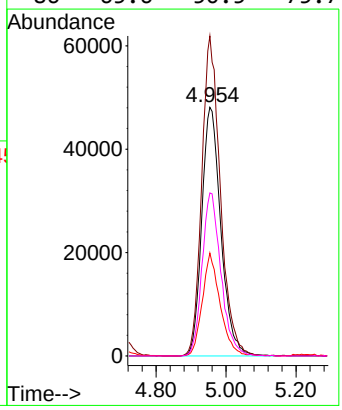
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

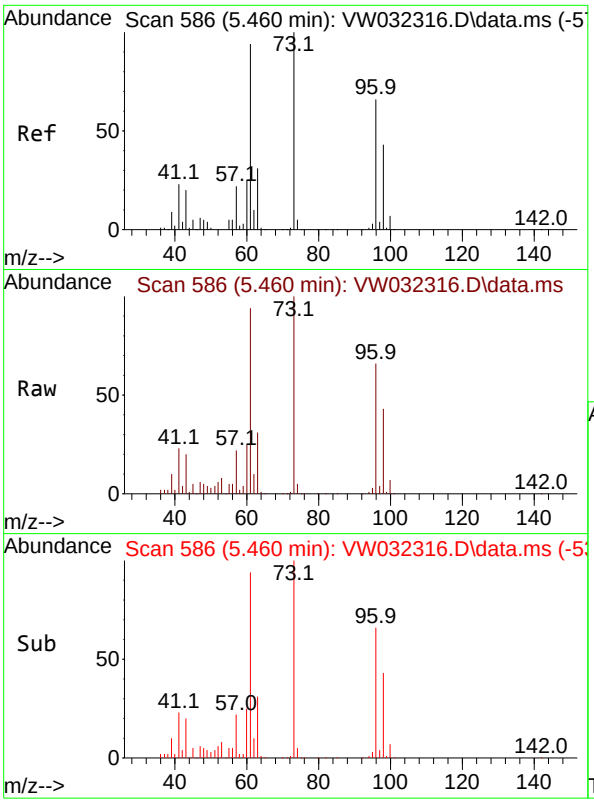


#20
Methylene Chloride
Concen: 46.839 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 84 Resp: 182336

Ion	Ratio	Lower	Upper
84	100		
49	128.7	92.2	138.4
51	41.4	31.0	46.6
86	65.6	50.5	75.7

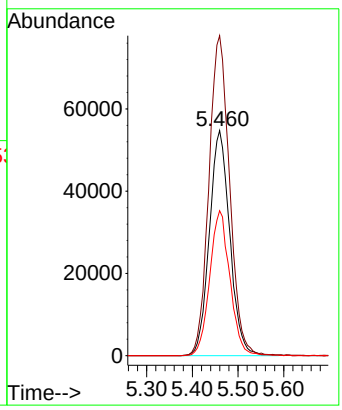




#21
trans-1,2-Dichloroethene
Concen: 47.176 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 96 Resp: 17017

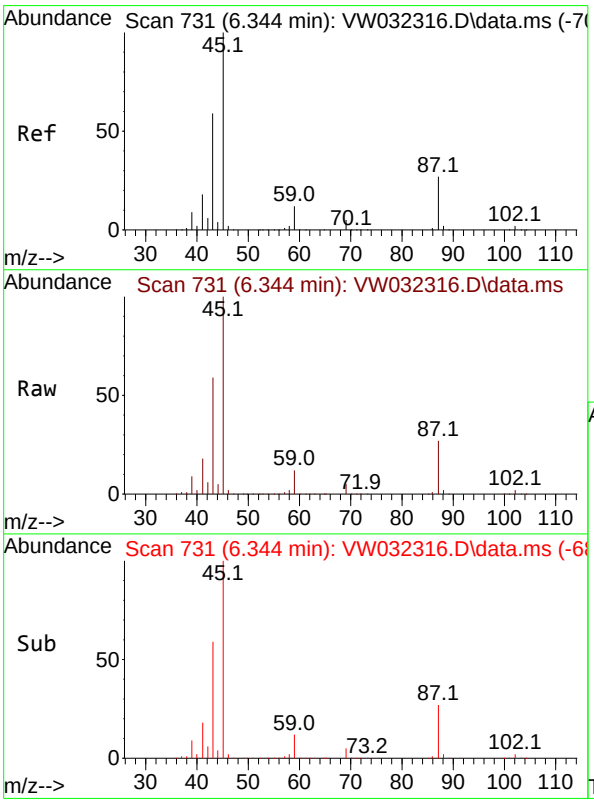
Ion	Ratio	Lower	Upper
96	100		
61	142.1	112.5	168.7
98	64.4	54.2	81.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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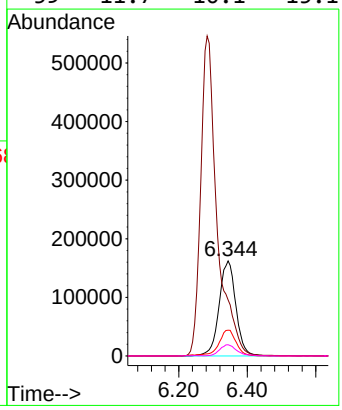
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

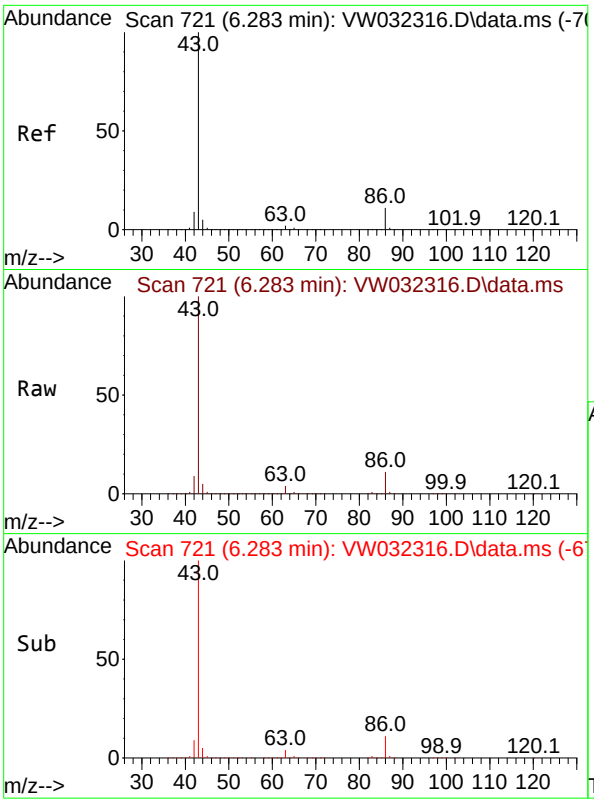


#22
Diisopropyl ether
Concen: 47.923 ug/l
RT: 6.344 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 45 Resp: 548474

Ion	Ratio	Lower	Upper
45	100		
43	58.8	51.4	77.2
87	27.1	25.9	38.9
59	11.7	10.1	15.1





#23
Vinyl Acetate
Concen: 237.512 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

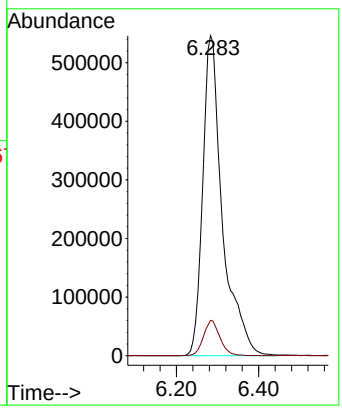
Tgt Ion: 43 Resp: 181563

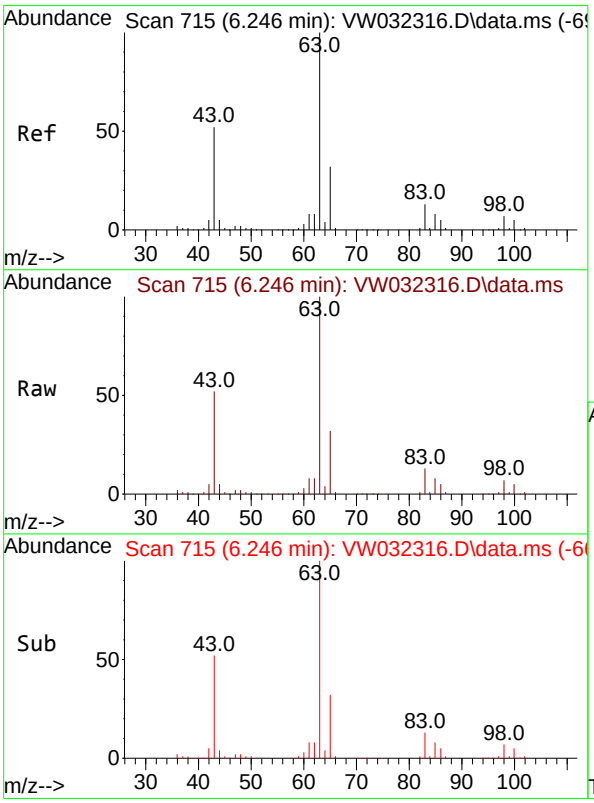
Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.8	13.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

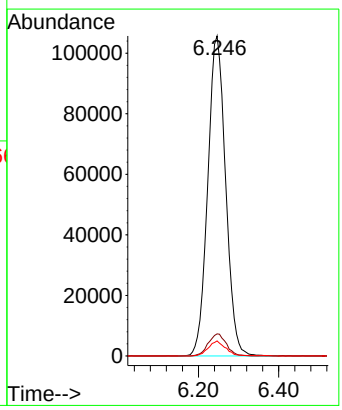


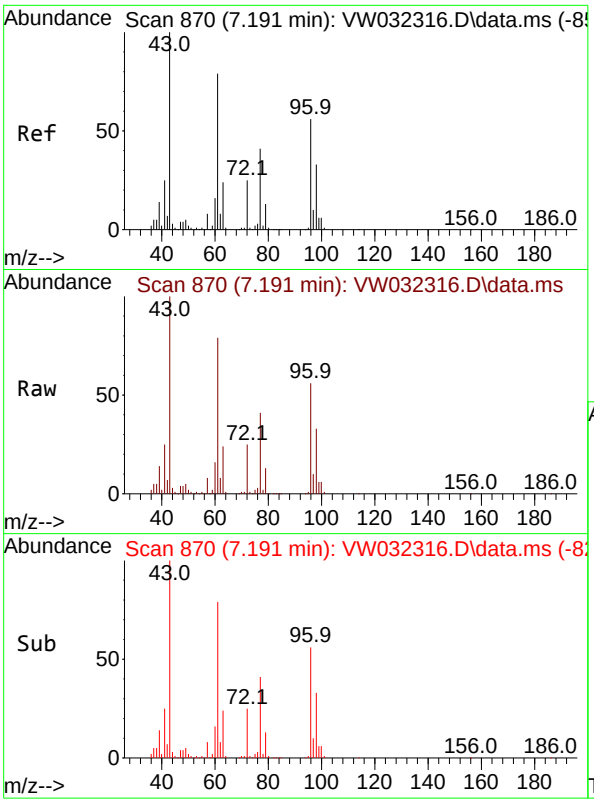


#24
1,1-Dichloroethane
Concen: 47.045 ug/l
RT: 6.246 min Scan# 715
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 63 Resp: 327109

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	4.7	2.5	7.5





#25
2-Butanone
Concen: 237.771 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

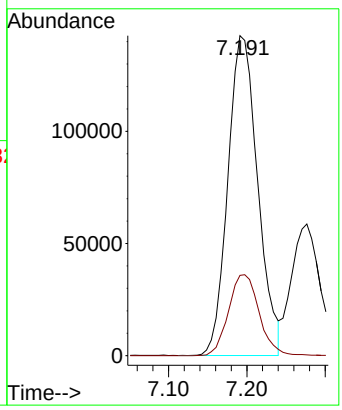
Tgt Ion: 43 Resp: 37808

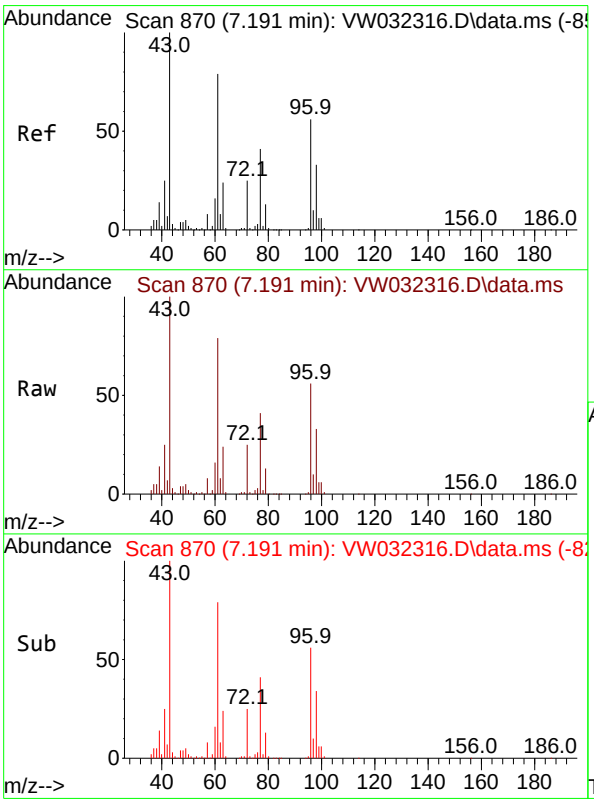
Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.4	32.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

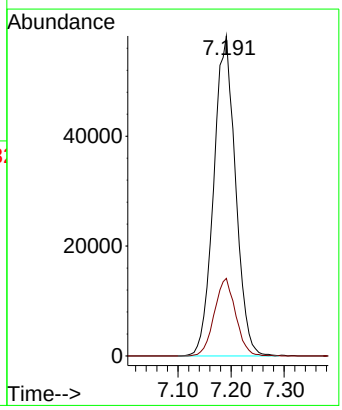


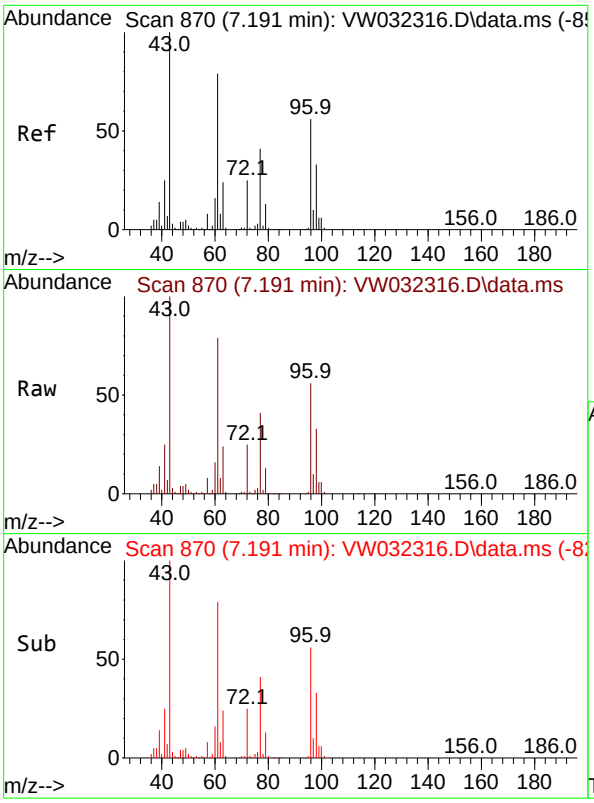


#26
2,2-Dichloropropane
Concen: 46.834 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 77 Resp: 166572

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.9	35.5

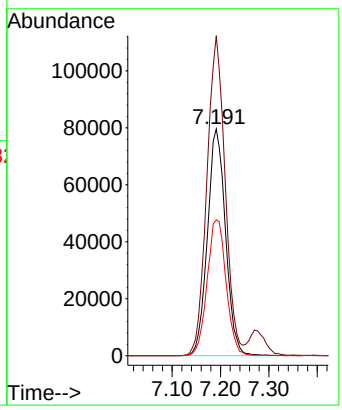




#27
cis-1,2-Dichloroethene
Concen: 47.792 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 96 Resp: 20710

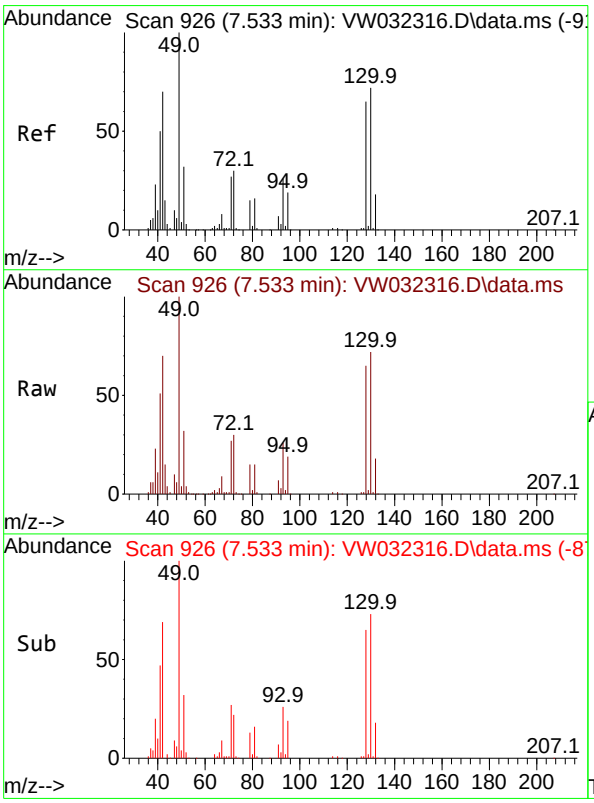
Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	268.0
98	63.0	0.0	130.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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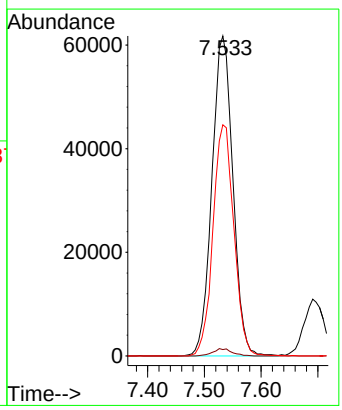
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

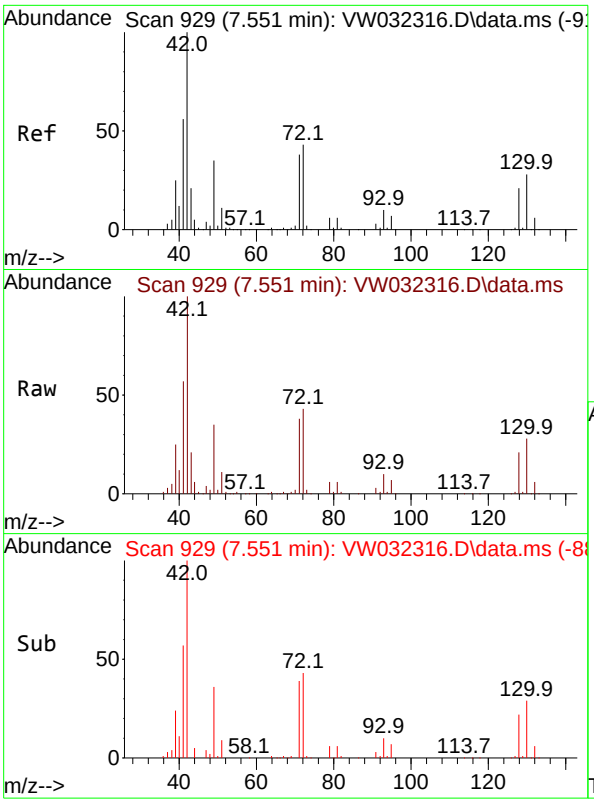


#28
Bromochloromethane
Concen: 48.374 ug/l
RT: 7.533 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 49 Resp: 158249

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	72.2	67.5	101.3

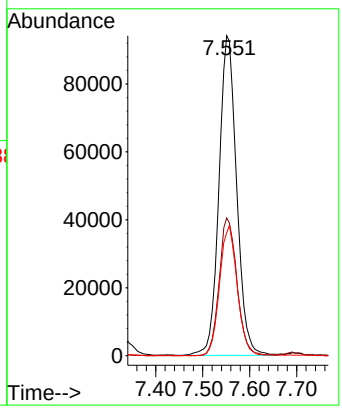




#29
Tetrahydrofuran
Concen: 247.317 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 42 Resp: 24731

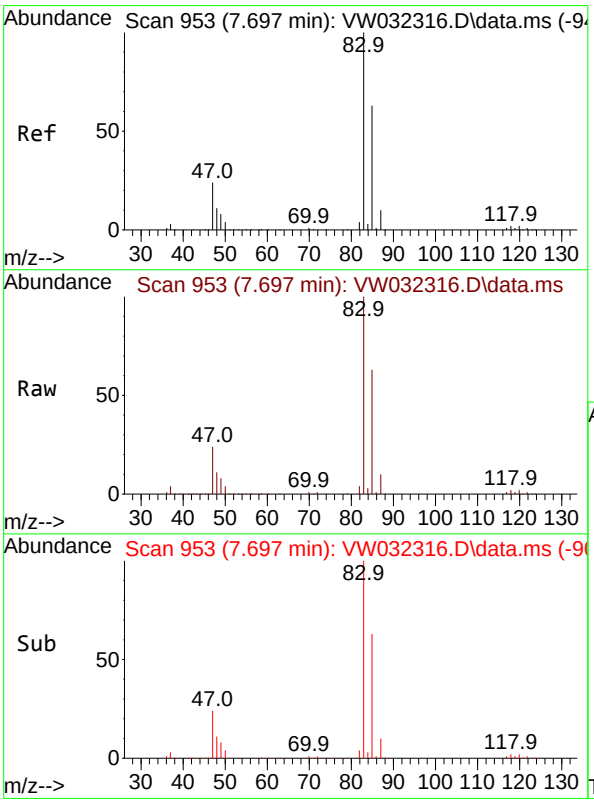
Ion	Ratio	Lower	Upper
42	100		
72	43.3	37.4	56.2
71	40.4	36.0	54.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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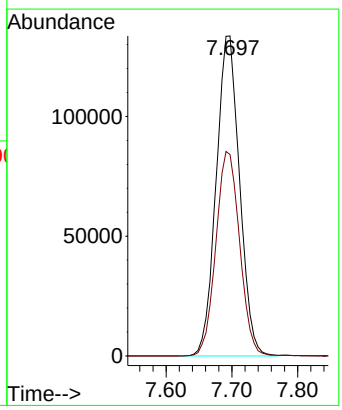
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

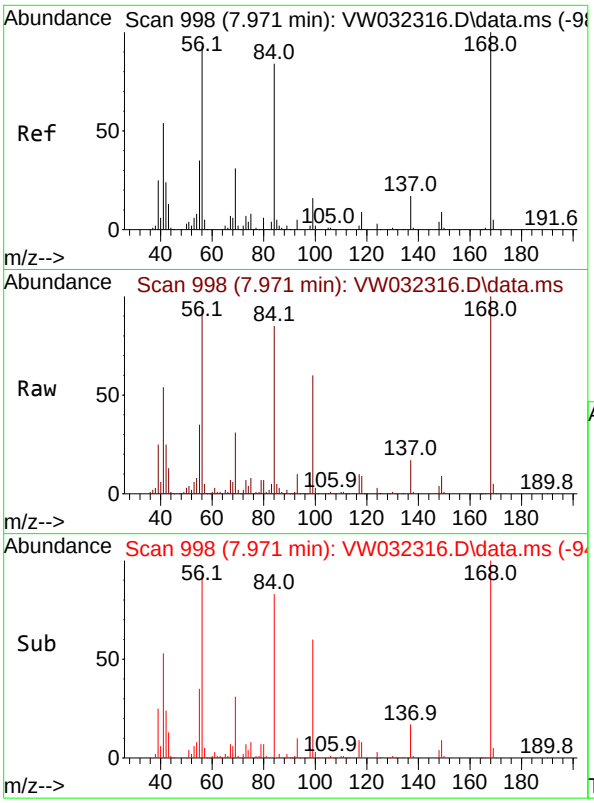


#30
Chloroform
Concen: 46.983 ug/l
RT: 7.697 min Scan# 953
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 83 Resp: 331309

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.2	76.8

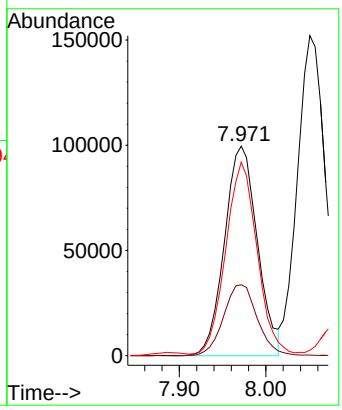




#31
Cyclohexane
Concen: 44.363 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 56 Resp: 26334

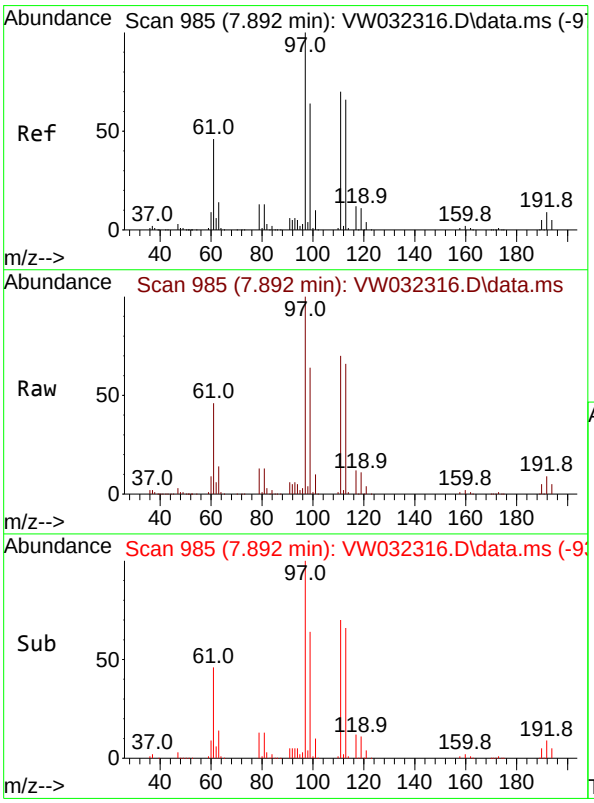
Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.7	41.5
84	91.0	74.6	112.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

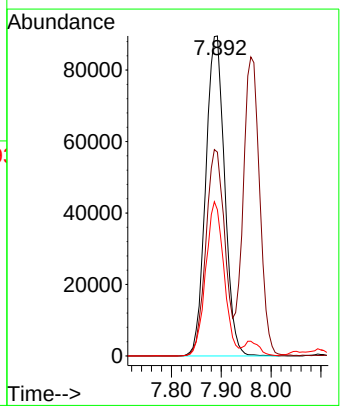
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

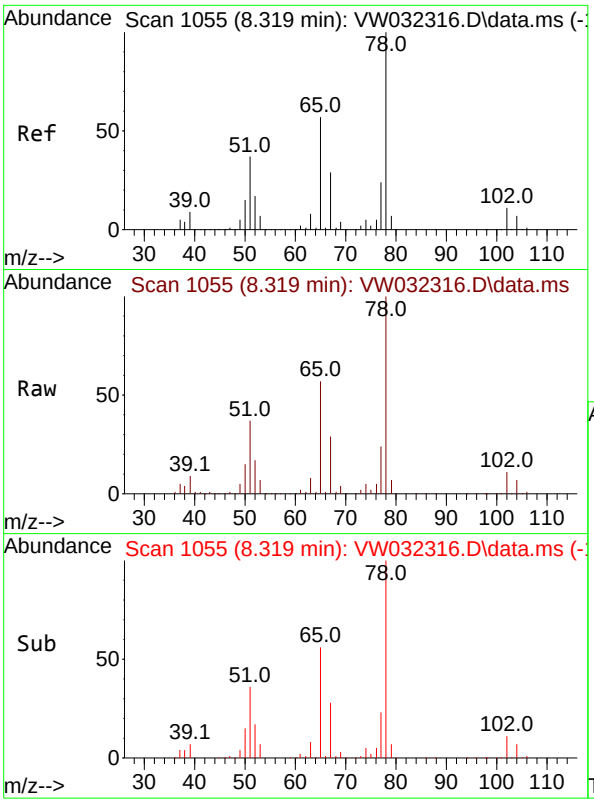


#32
1,1,1-Trichloroethane
Concen: 47.214 ug/l
RT: 7.892 min Scan# 985
Delta R.T. 0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 97 Resp: 235925

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.9	76.3
61	46.7	36.2	54.4





#33
1,2-Dichloroethane-d4
Concen: 47.649 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

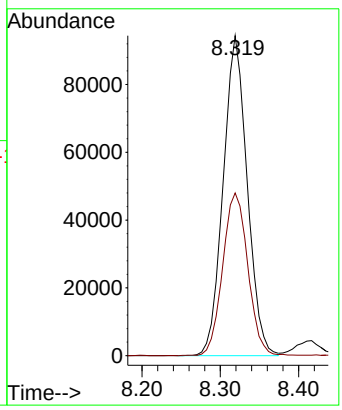
Tgt Ion: 65 Resp: 20091

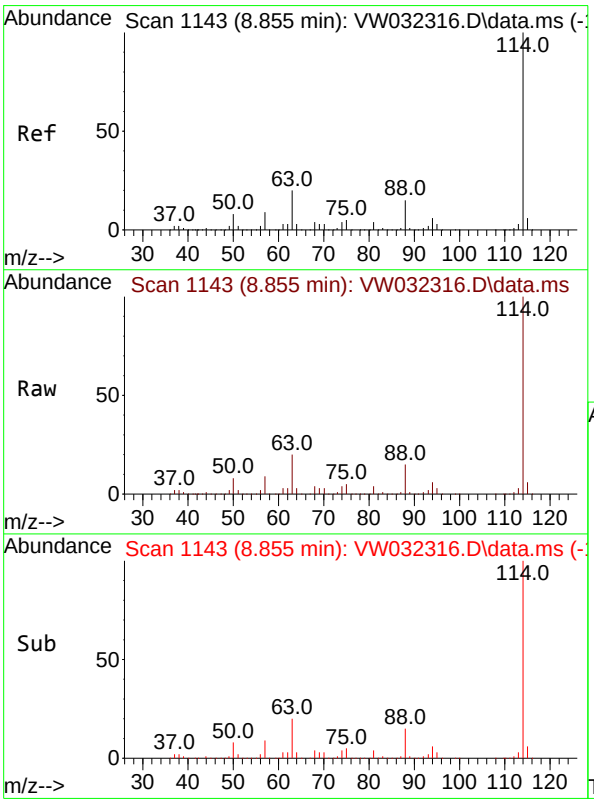
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	99.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

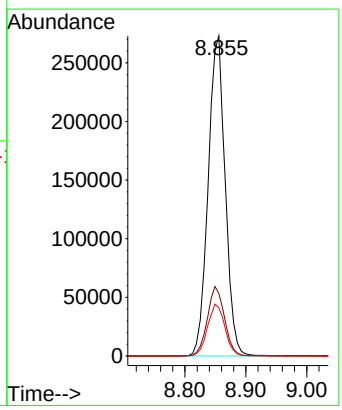


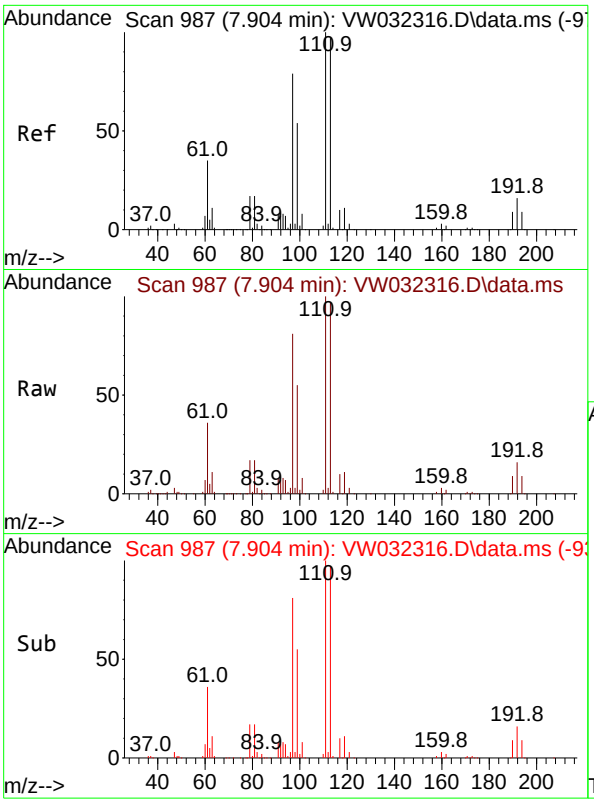


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:114 Resp: 530255

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.4
88	15.0	0.0	32.0

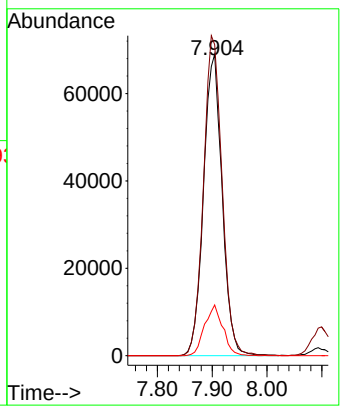




#35
Dibromofluoromethane
Concen: 47.215 ug/l
RT: 7.904 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:113 Resp: 16213

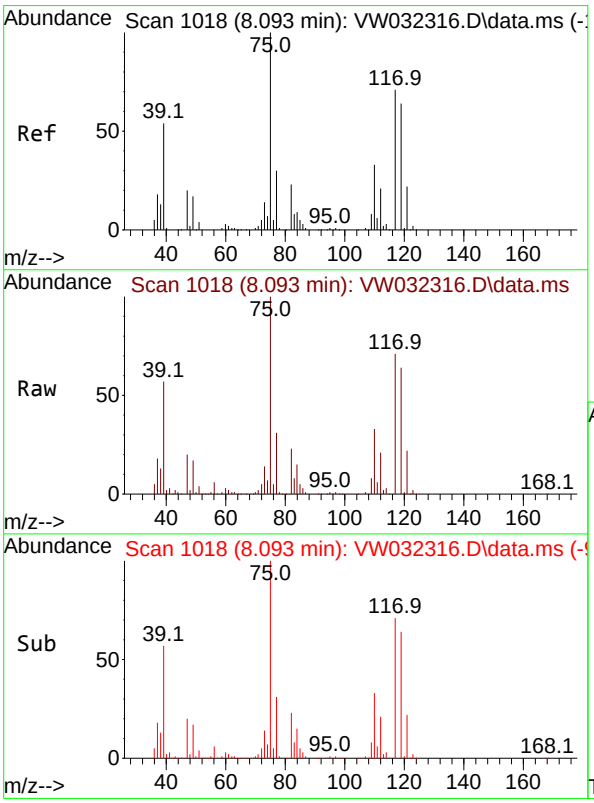
Ion	Ratio	Lower	Upper
113	100		
111	106.2	83.9	125.9
192	16.6	14.6	21.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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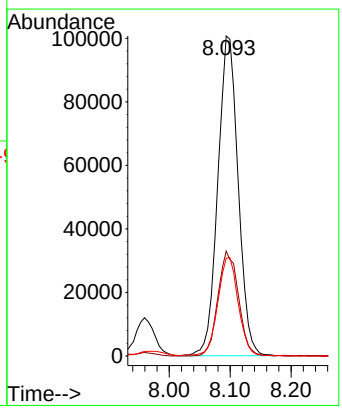
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

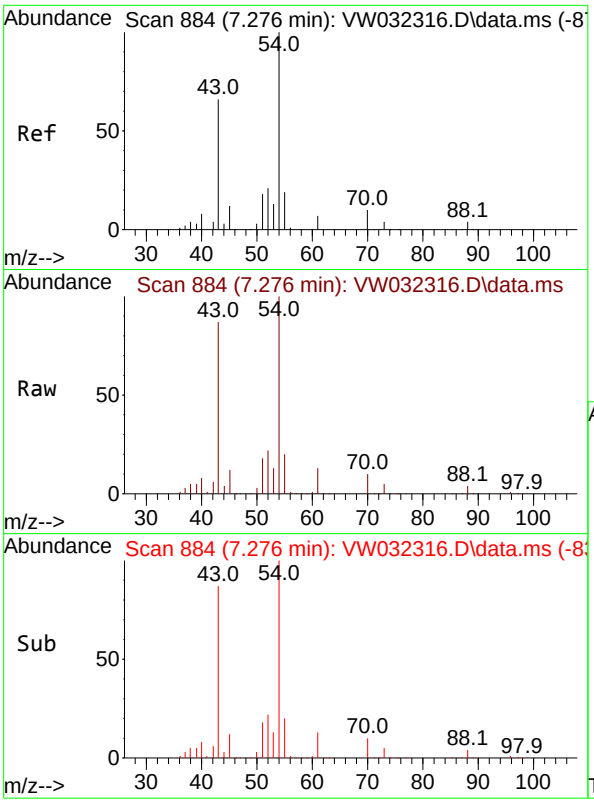


#36
1,1-Dichloropropene
Concen: 48.069 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 75 Resp: 232959

Ion	Ratio	Lower	Upper
75	100		
110	33.1	17.5	52.5
77	31.2	24.1	36.1





#37
Ethyl Acetate
Concen: 47.655 ug/l
RT: 7.276 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

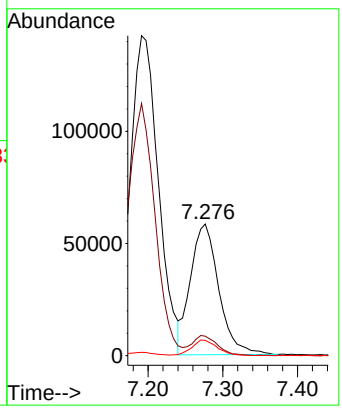
Tgt Ion: 43 Resp: 15372

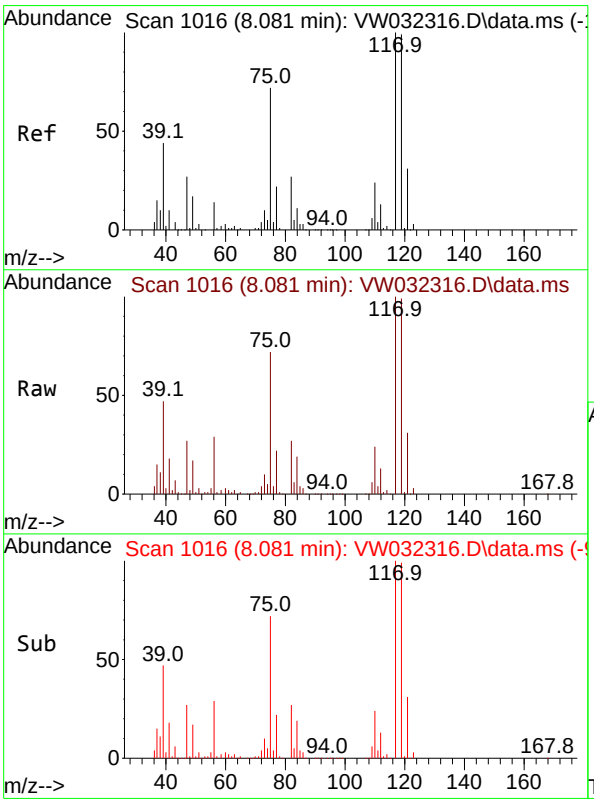
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.3	16.9
70	11.0	8.9	13.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

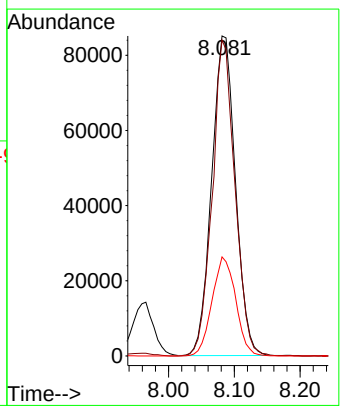


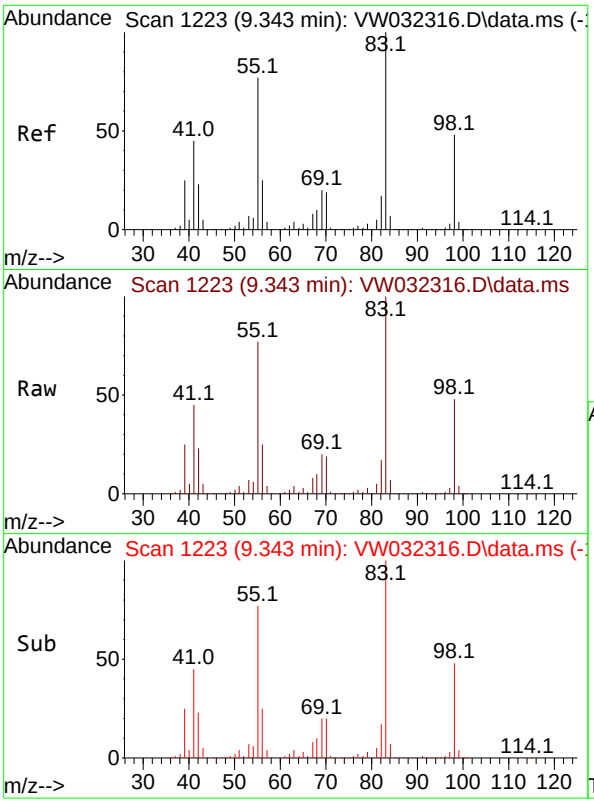


#38
Carbon Tetrachloride
Concen: 46.865 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:117 Resp: 213729

Ion	Ratio	Lower	Upper
117	100		
119	98.8	74.2	111.2
121	31.0	25.6	38.4





#39
Methylcyclohexane
Concen: 47.272 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

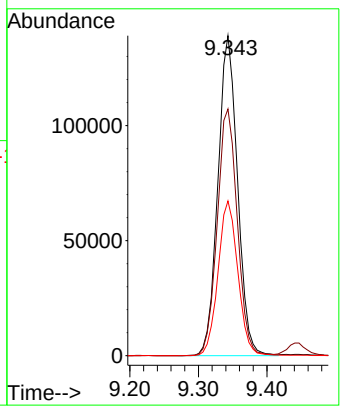
Tgt Ion: 83 Resp: 27634

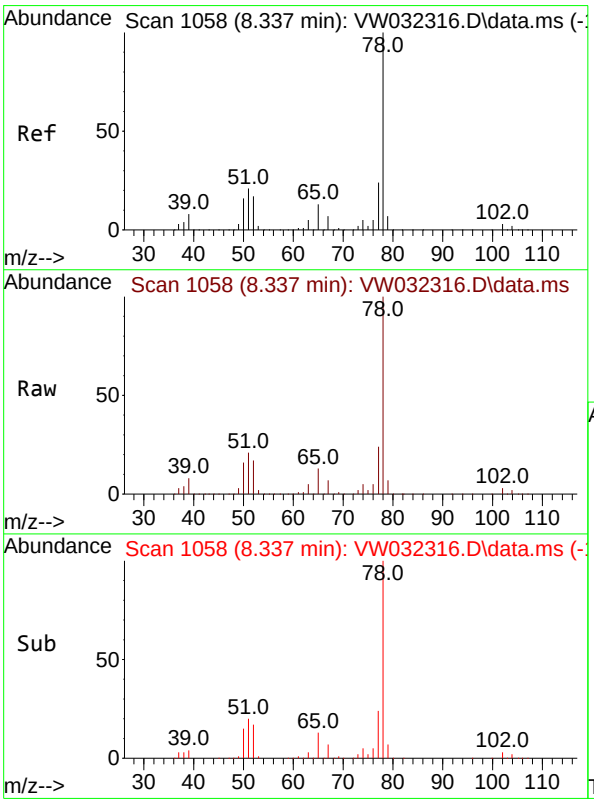
Ion	Ratio	Lower	Upper
83	100		
55	77.1	58.4	87.6
98	48.4	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

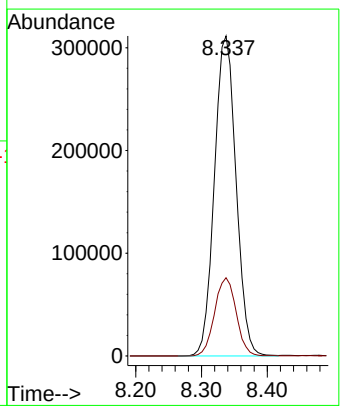


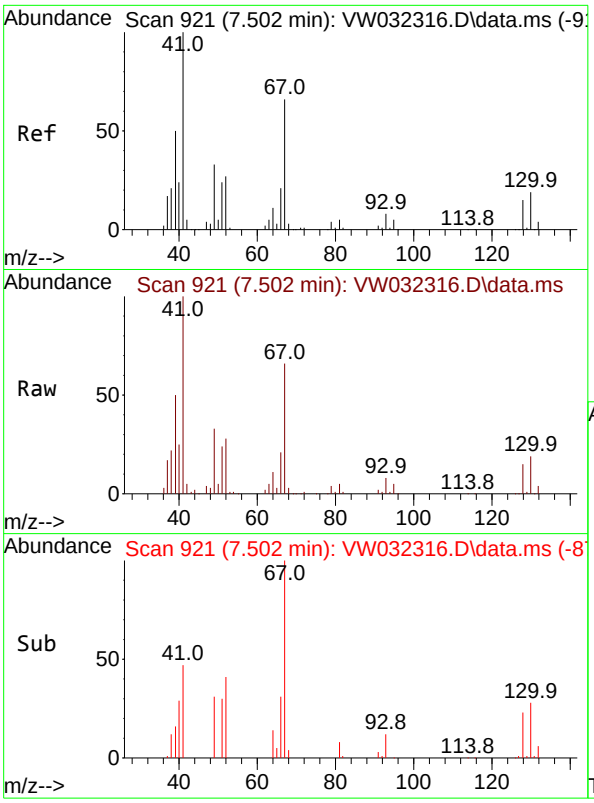


#40
Benzene
Concen: 46.964 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 78 Resp: 713410

Ion	Ratio	Lower	Upper
78	100		
77	24.4	20.7	31.1

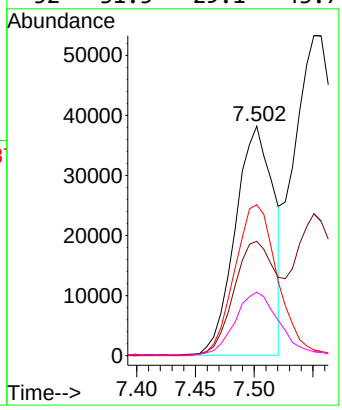




#41
Methacrylonitrile
Concen: 49.929 ug/l
RT: 7.502 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 41 Resp: 8679

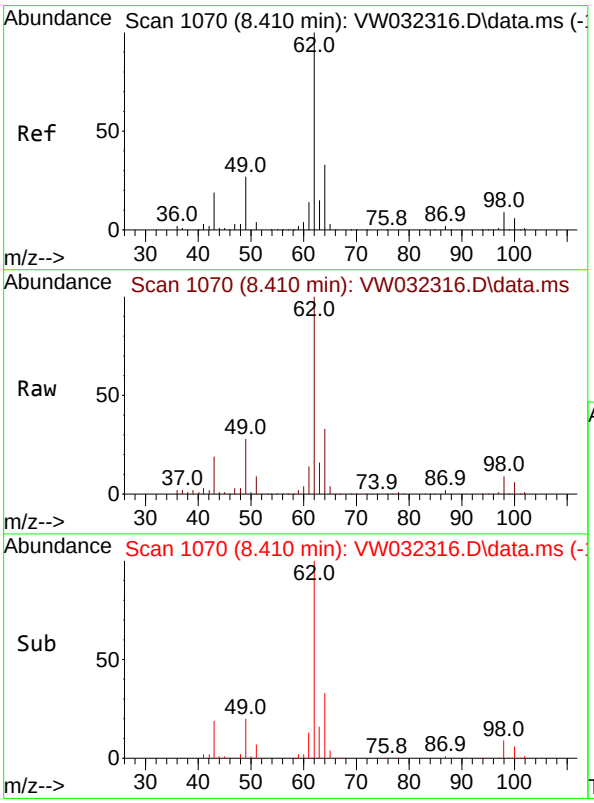
Ion	Ratio	Lower	Upper
41	100		
39	57.9	50.9	76.3
67	74.3	65.6	98.4
52	31.5	29.1	43.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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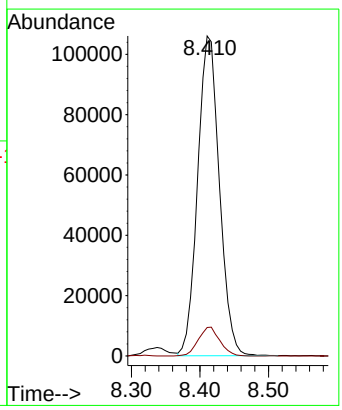
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

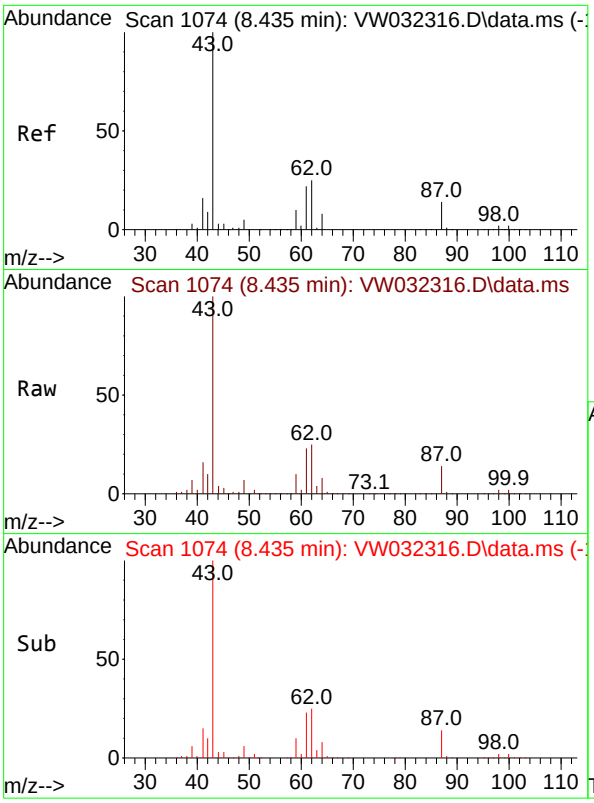


#42
1,2-Dichloroethane
Concen: 47.194 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 62 Resp: 234579

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.0





#43
Isopropyl Acetate
Concen: 48.202 ug/l
RT: 8.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

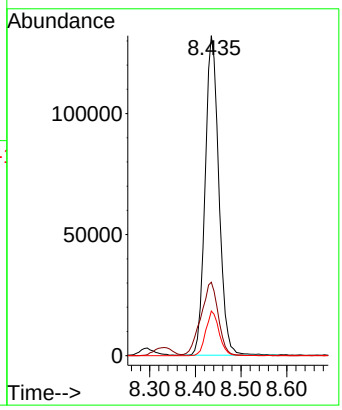
Tgt Ion: 43 Resp: 27583

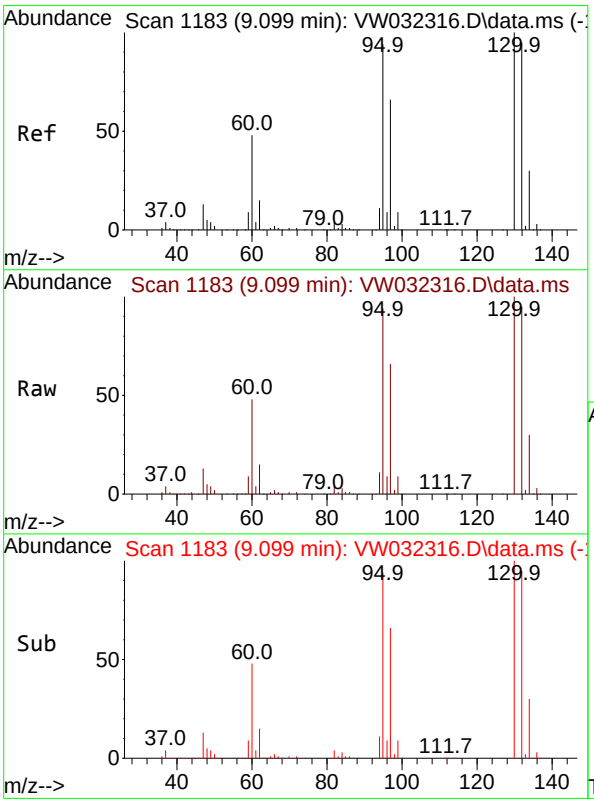
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.3	34.9
87	13.6	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

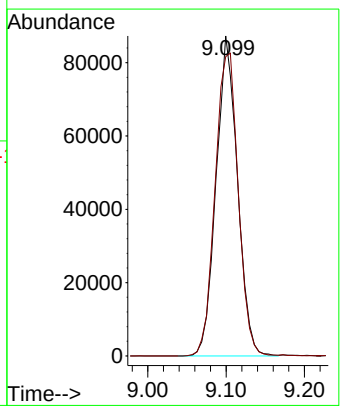


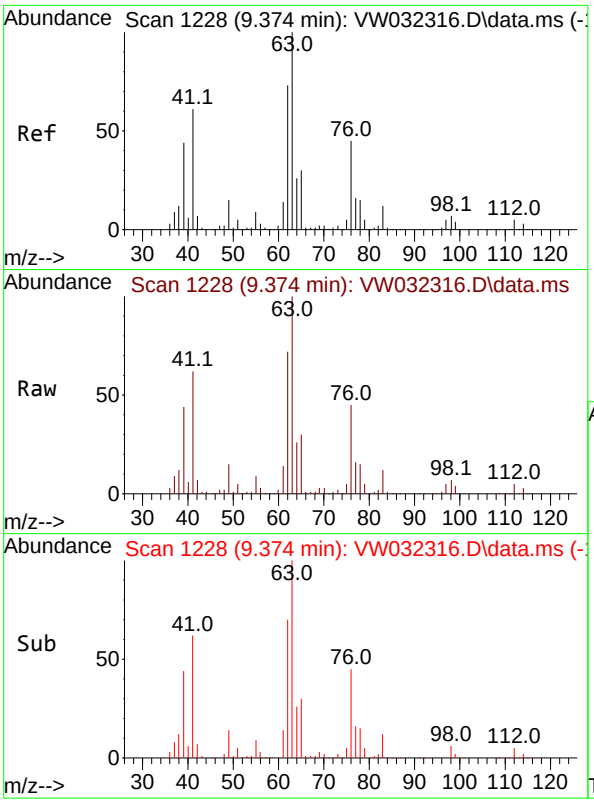


#44
Trichloroethene
Concen: 46.519 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:130 Resp: 165466

Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	220.0

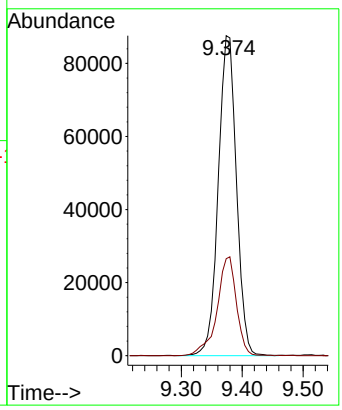




#45
1,2-Dichloropropane
Concen: 47.709 ug/l
RT: 9.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 63 Resp: 18089

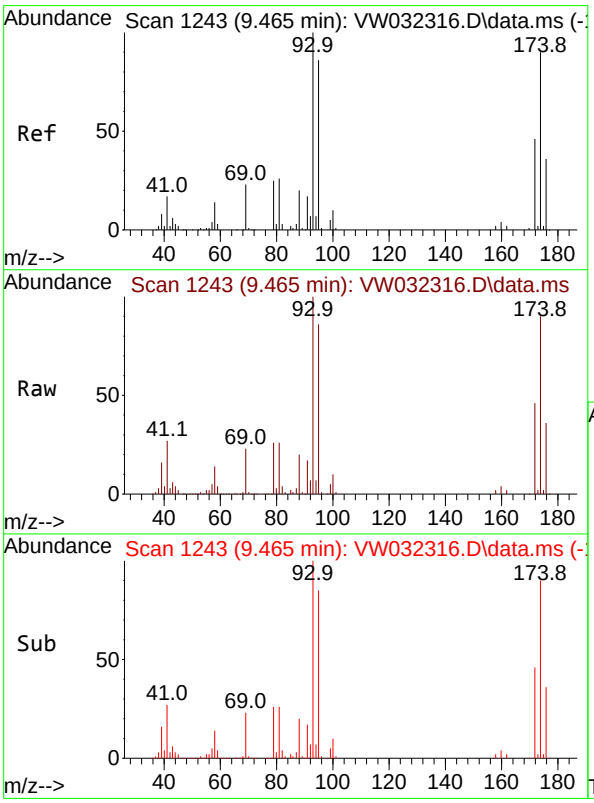
Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.3	36.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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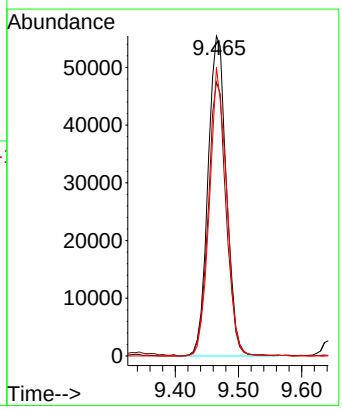
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

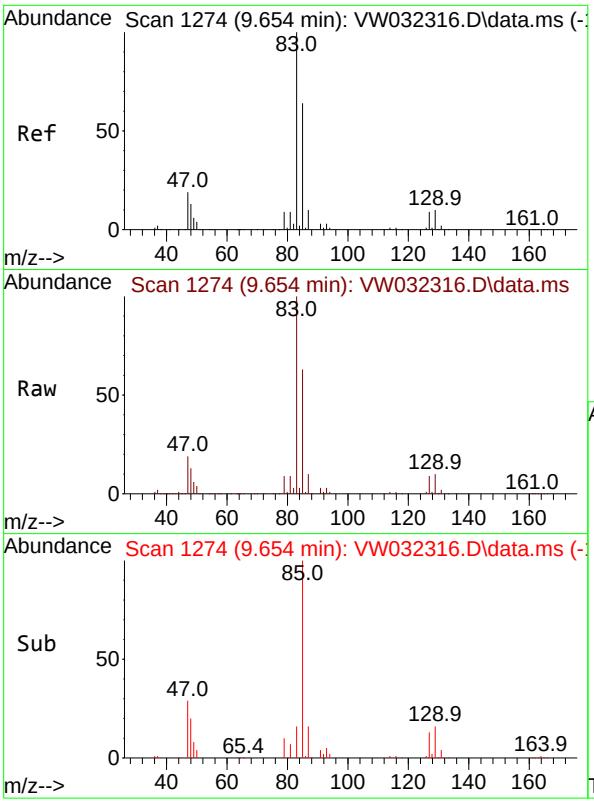


#46
Dibromomethane
Concen: 47.962 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 93 Resp: 111827

Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.4	101.2
174	84.5	75.7	113.5

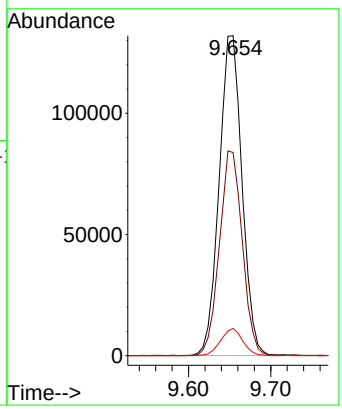




#47
Bromodichloromethane
Concen: 47.759 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 83 Resp: 25468

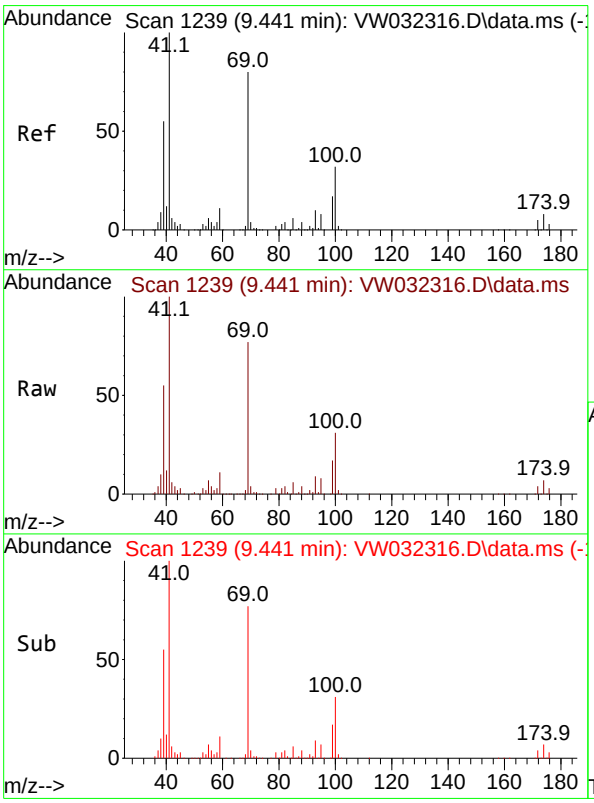
Ion	Ratio	Lower	Upper
83	100		
85	63.5	48.7	73.1
127	8.5	6.4	9.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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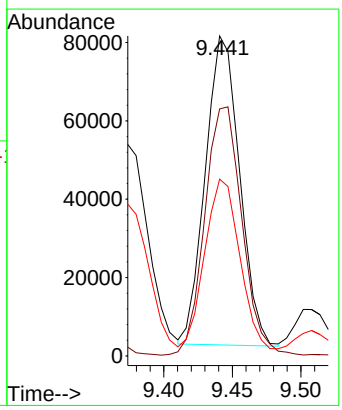
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

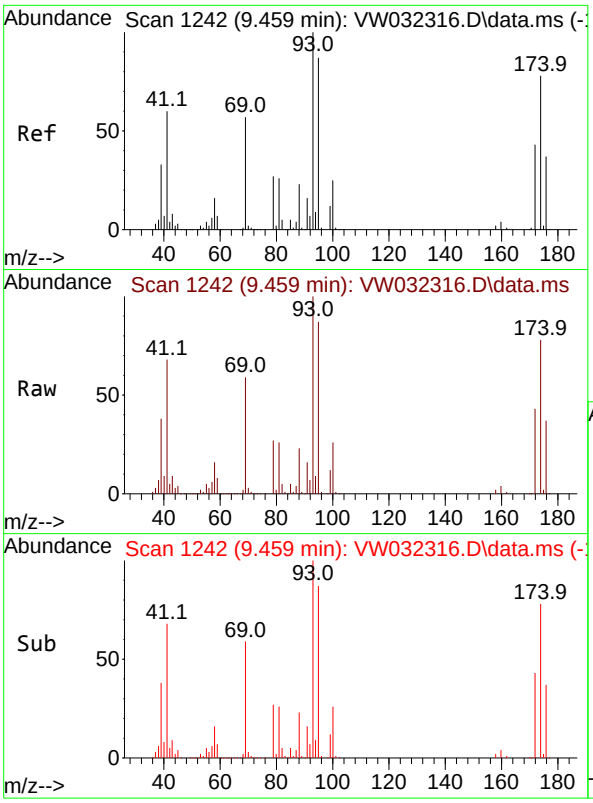


#48
Methyl methacrylate
Concen: 49.341 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 41 Resp: 137281

Ion	Ratio	Lower	Upper
41	100		
69	88.1	71.5	107.3
39	55.9	55.9	83.9#

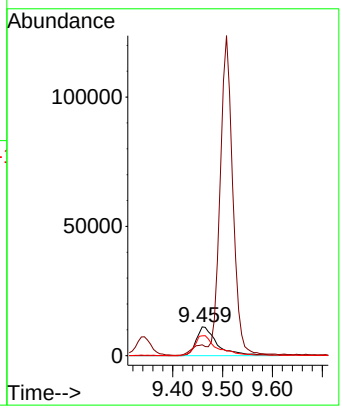




#49
1,4-Dioxane
Concen: 1024.535 ug/l
RT: 9.459 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 88 Resp: 3265

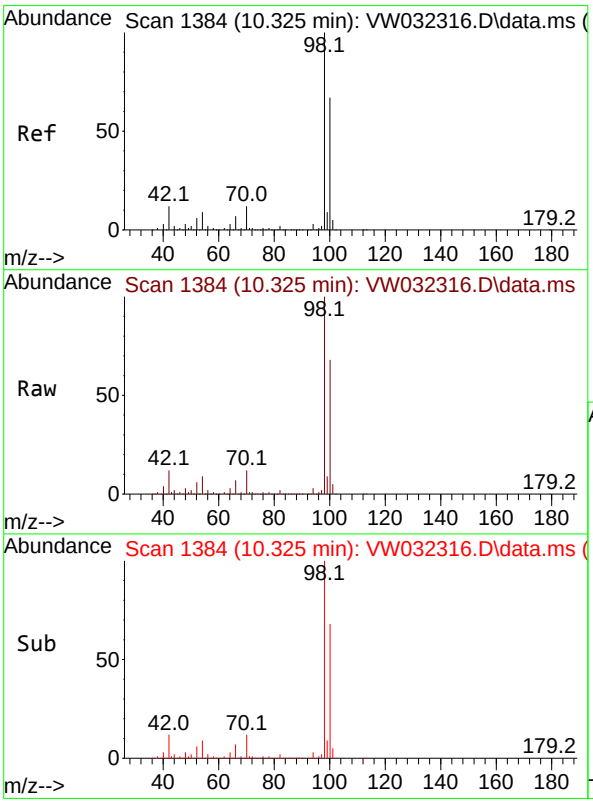
Ion	Ratio	Lower	Upper
88	100		
43	27.4	18.0	27.0#
58	72.9	55.4	83.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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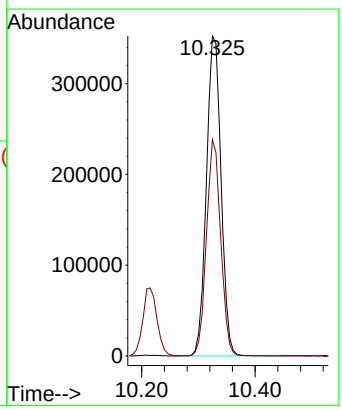
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

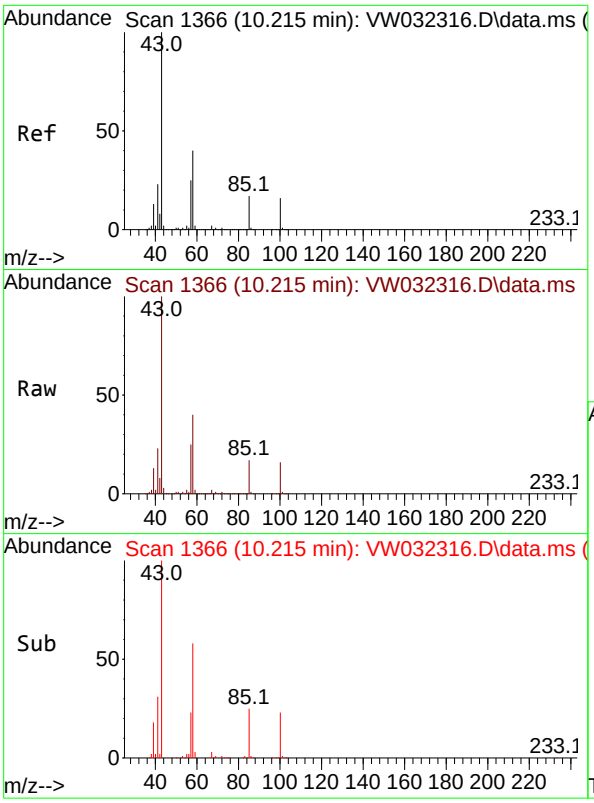


#50
Toluene-d8
Concen: 49.927 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 98 Resp: 632778

Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.4	77.2

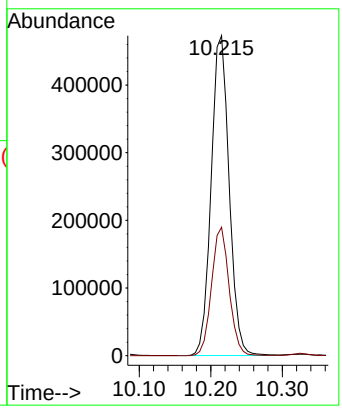




#51
4-Methyl-2-Pentanone
Concen: 249.195 ug/l
RT: 10.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 43 Resp: 82594

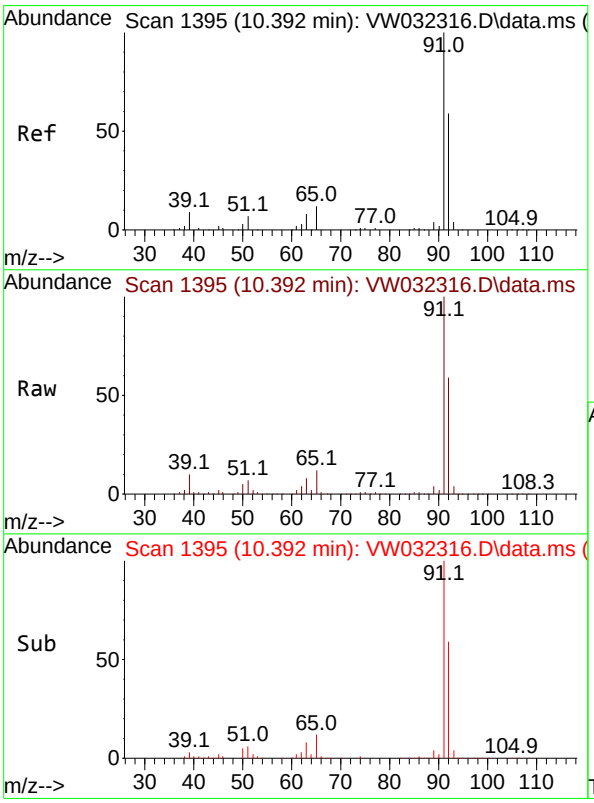
Ion	Ratio	Lower	Upper
43	100		
58	39.3	32.0	48.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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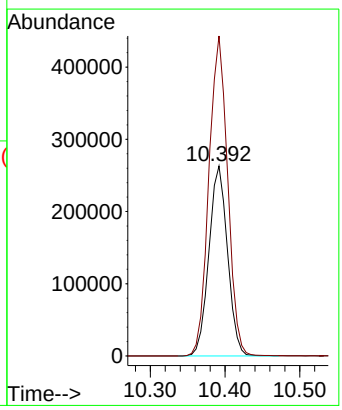
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

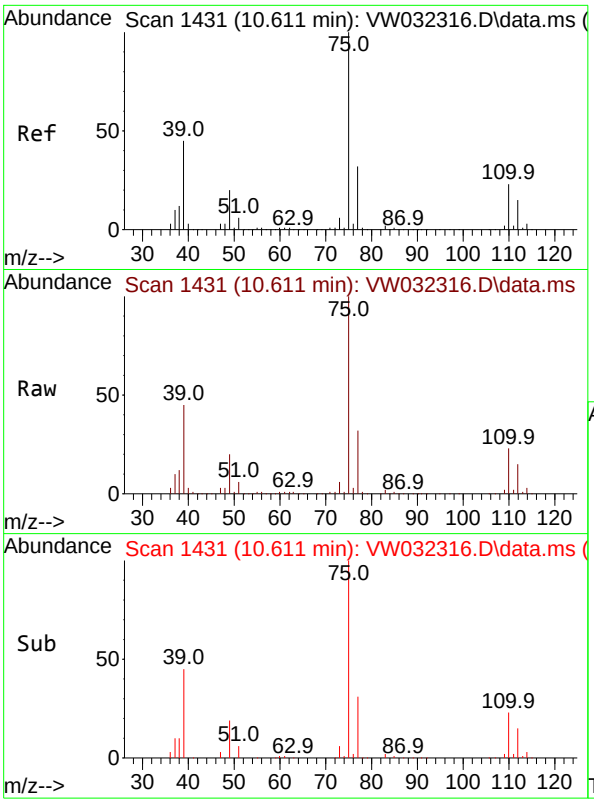


#52
Toluene
Concen: 48.052 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 92 Resp: 454566

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.5	206.3





#53
t-1,3-Dichloropropene
Concen: 49.001 ug/l
RT: 10.611 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

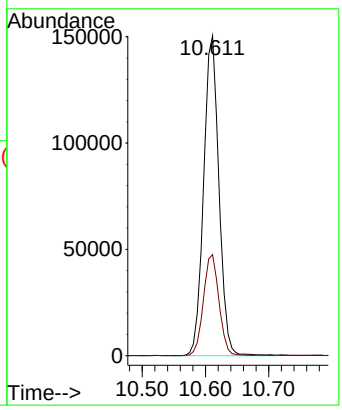
Tgt Ion: 75 Resp: 25351

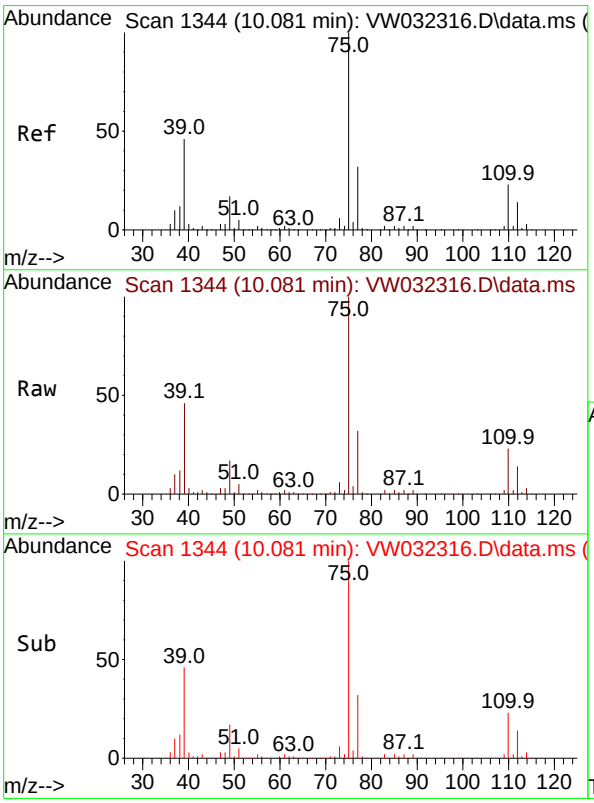
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

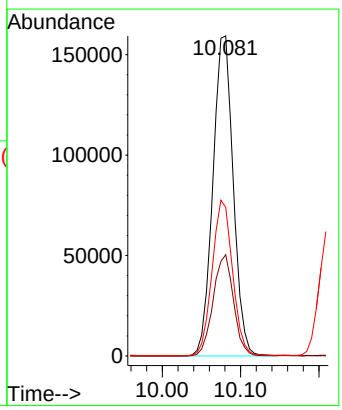


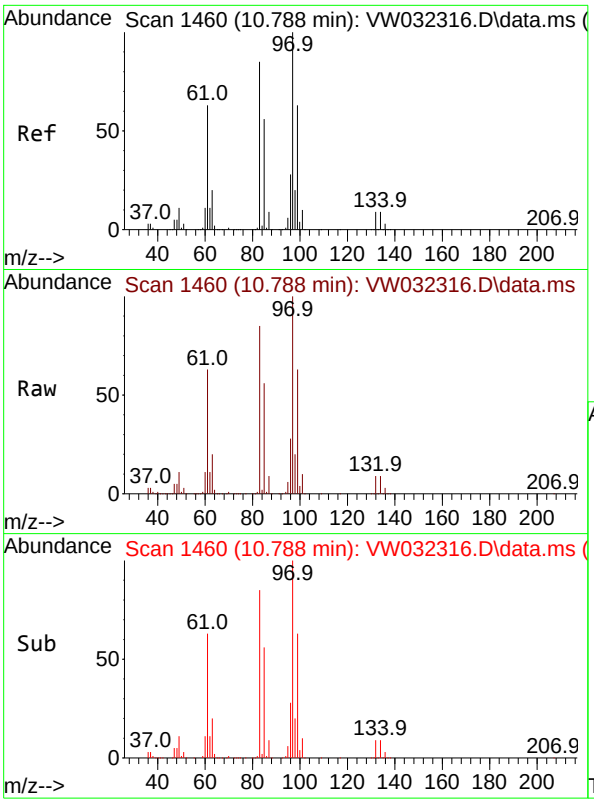


#54
cis-1,3-Dichloropropene
Concen: 48.447 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 75 Resp: 288719

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7
39	46.4	43.2	64.8

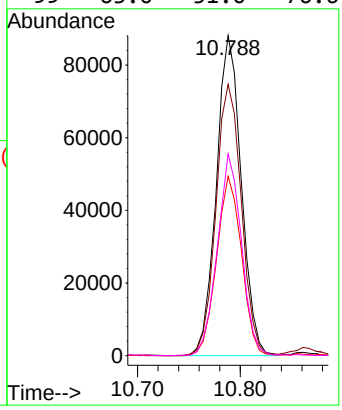




#55
1,1,2-Trichloroethane
Concen: 47.671 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 97 Resp: 14855

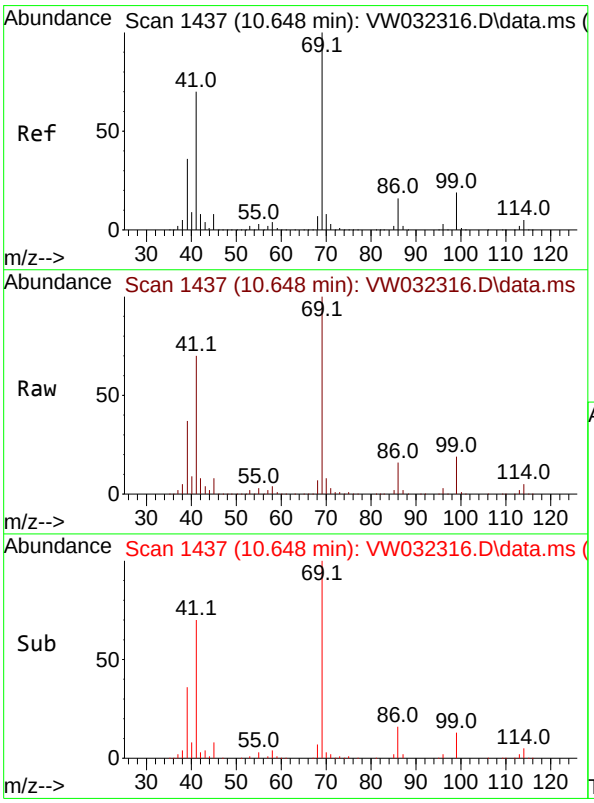
Ion	Ratio	Lower	Upper
97	100		
83	84.7	71.0	106.6
85	56.0	42.8	64.2
99	63.0	51.0	76.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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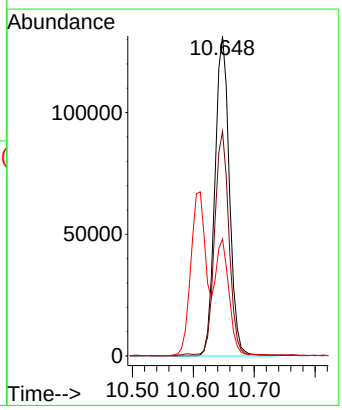
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

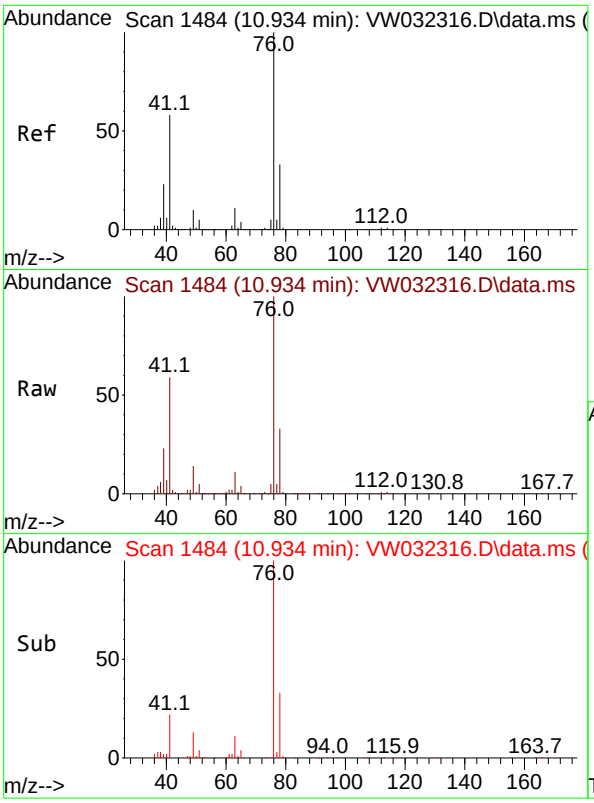


#56
Ethyl methacrylate
Concen: 49.633 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 69 Resp: 216484

Ion	Ratio	Lower	Upper
69	100		
41	69.2	53.2	79.8
39	34.1	32.9	49.3





#57
1,3-Dichloropropane
Concen: 47.992 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

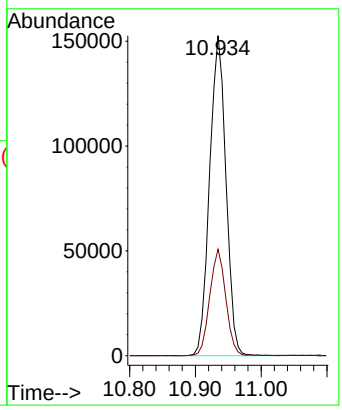
Tgt Ion: 76 Resp: 26413

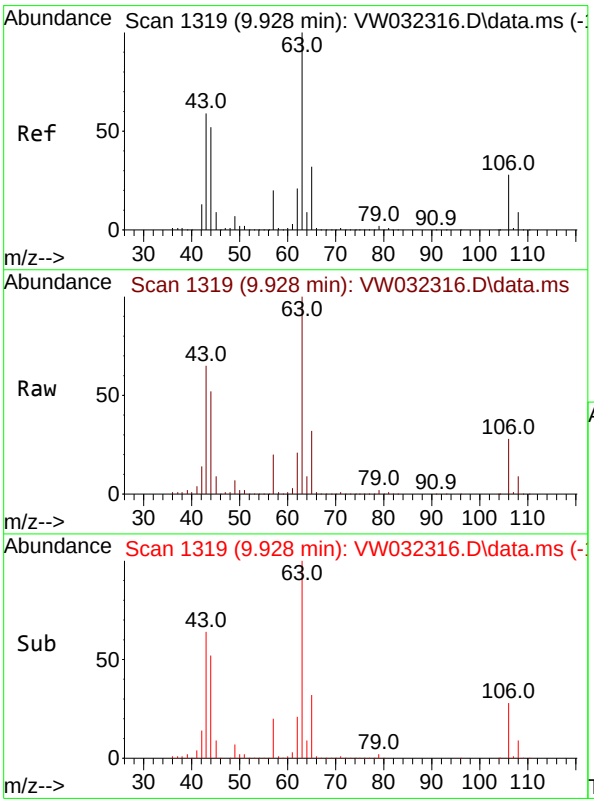
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

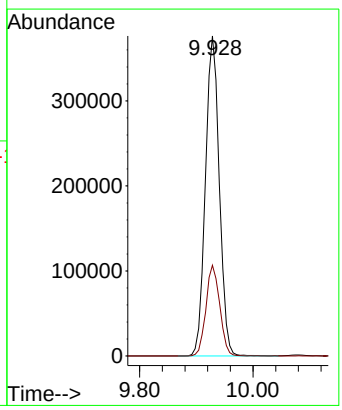


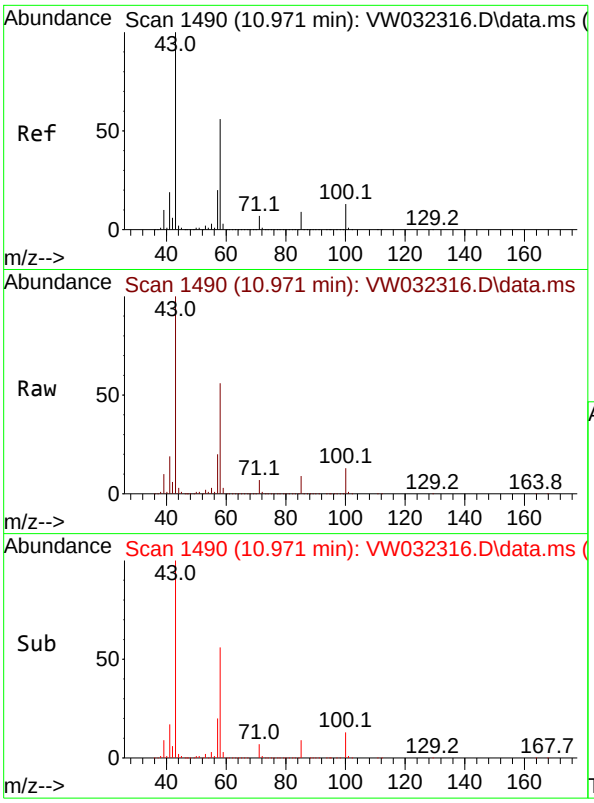


#58
2-Chloroethyl Vinyl ether
Concen: 275.675 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 63 Resp: 639919

Ion	Ratio	Lower	Upper
63	100		
106	28.1	24.3	36.5





#59
2-Hexanone
Concen: 248.758 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

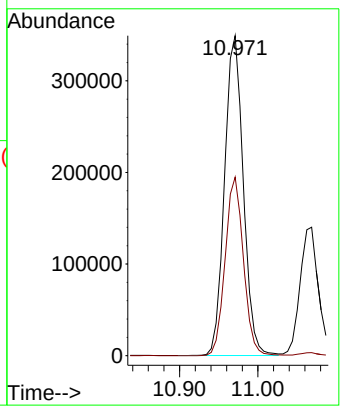
Tgt Ion: 43 Resp: 58151

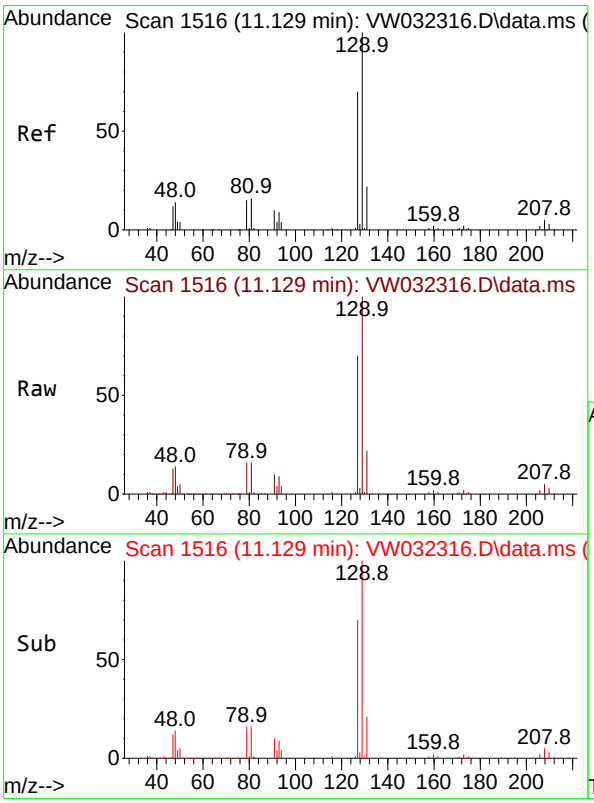
Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.5	82.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

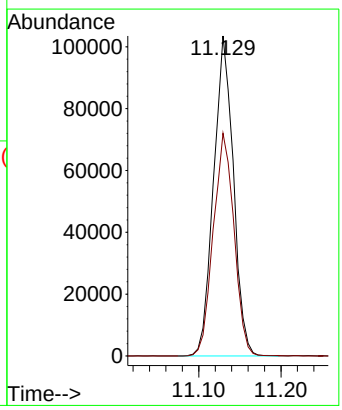


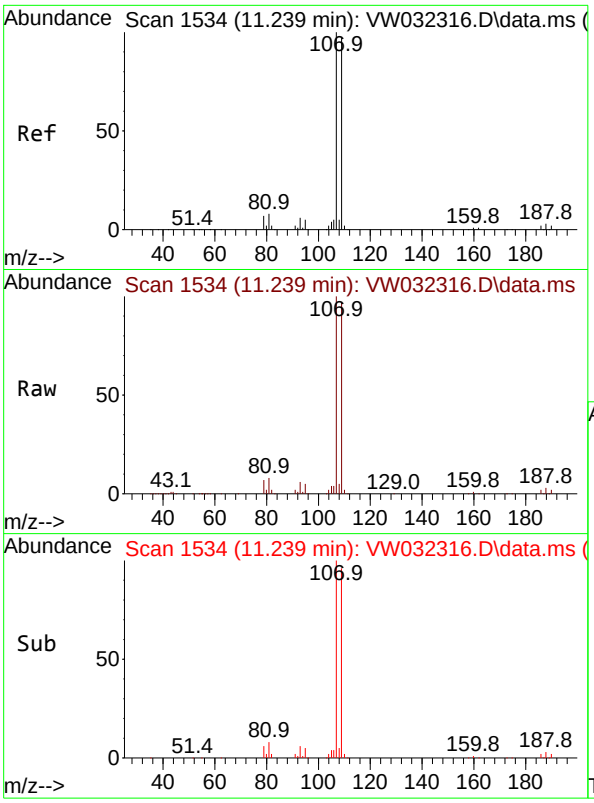


#60
Dibromochloromethane
Concen: 48.878 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:129 Resp: 172945

Ion	Ratio	Lower	Upper
129	100		
127	73.1	38.1	114.5





#61
1,2-Dibromoethane
Concen: 48.427 ug/l
RT: 11.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

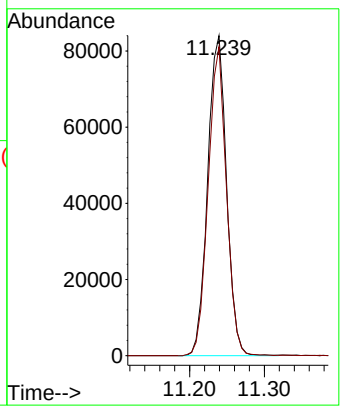
Tgt Ion:107 Resp: 14714

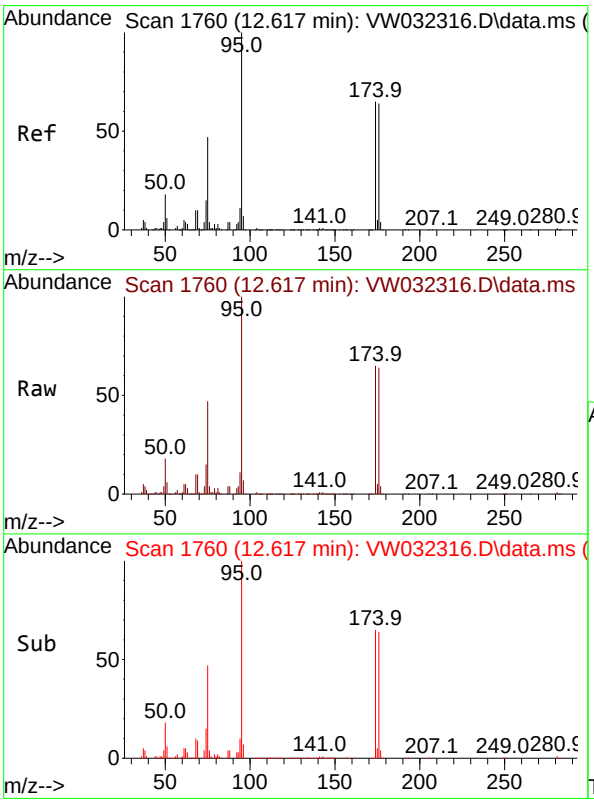
Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.5	111.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

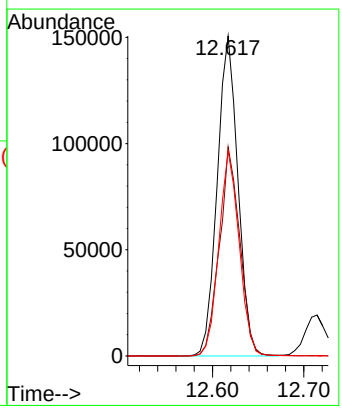


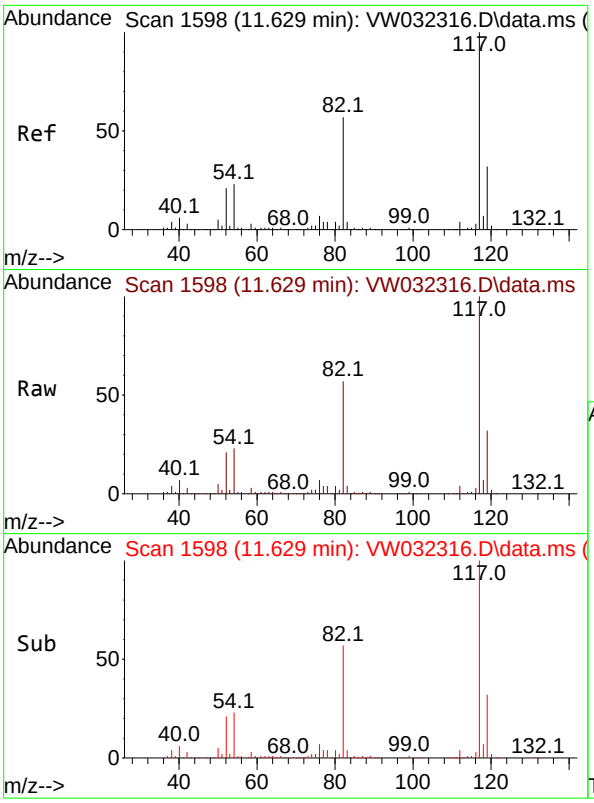


#62
4-Bromofluorobenzene
Concen: 49.609 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 95 Resp: 237645

Ion	Ratio	Lower	Upper
95	100		
174	64.4	0.0	145.6
176	62.8	0.0	140.8

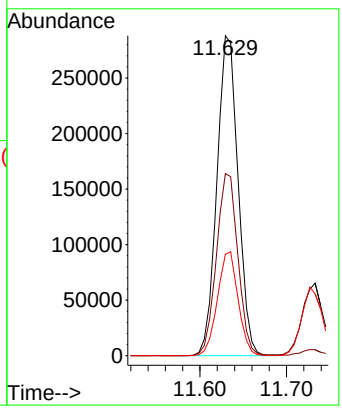




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:117 Resp: 48904

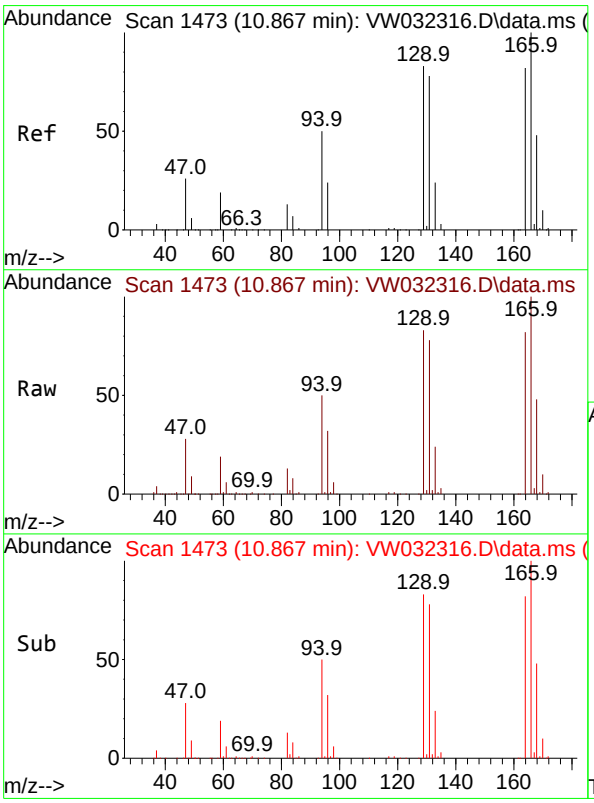
Ion	Ratio	Lower	Upper
117	100		
82	56.9	42.7	64.1
119	31.7	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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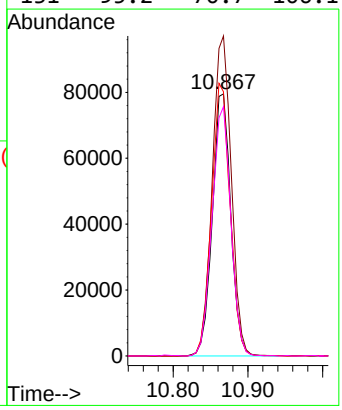
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

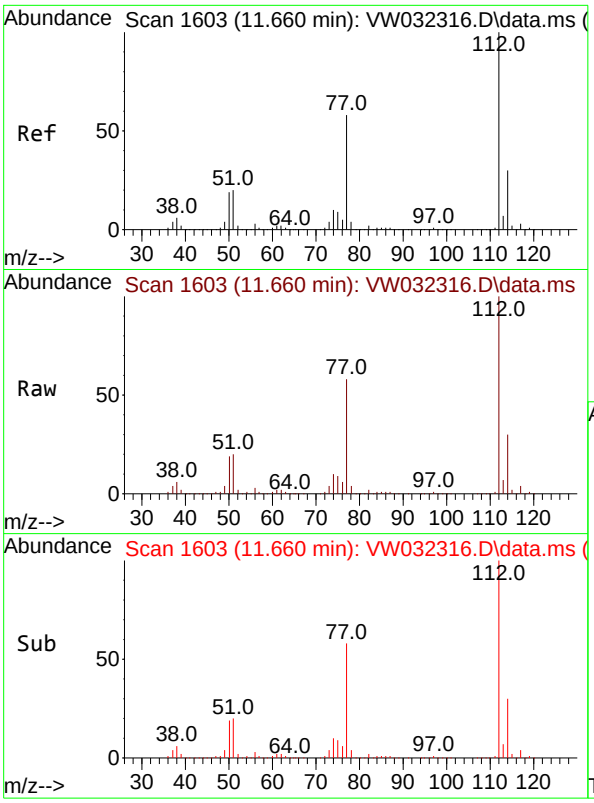


#64
Tetrachloroethene
Concen: 46.522 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:164 Resp: 136139

Ion	Ratio	Lower	Upper
164	100		
166	122.1	97.5	146.3
129	100.8	71.2	106.8
131	95.2	70.7	106.1





#65
Chlorobenzene
Concen: 46.707 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

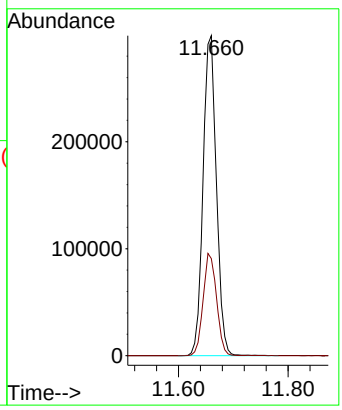
Tgt Ion:112 Resp: 50258

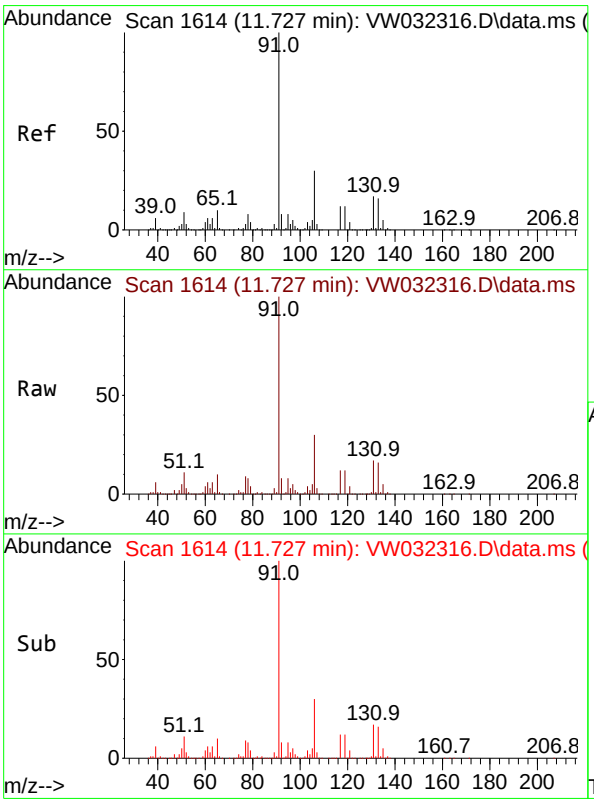
Ion	Ratio	Lower	Upper
112	100		
114	30.3	26.0	39.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

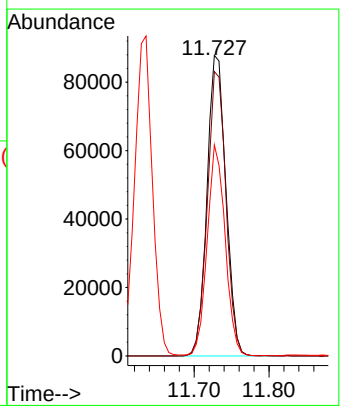


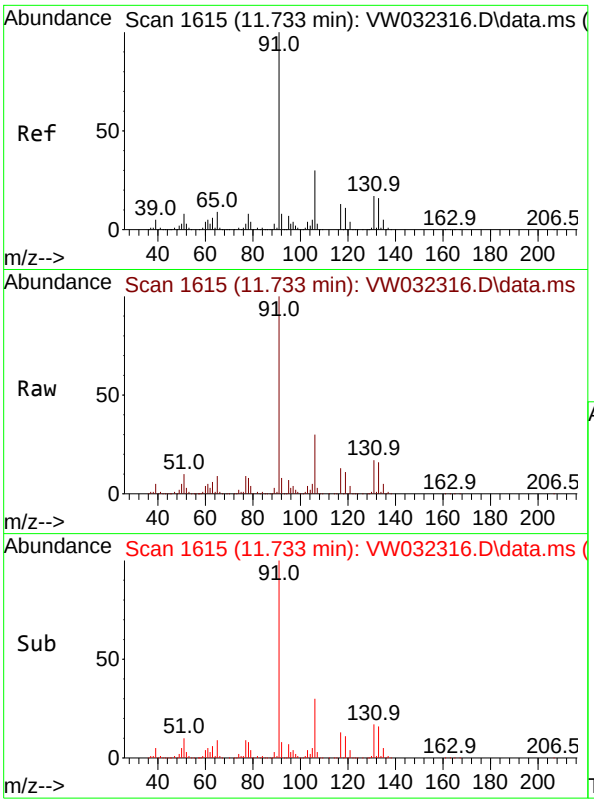


#66
1,1,1,2-Tetrachloroethane
Concen: 46.199 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:131 Resp: 154835

Ion	Ratio	Lower	Upper
131	100		
133	93.4	47.7	143.1
119	66.6	32.8	98.3





#67
Ethyl Benzene
Concen: 47.287 ug/l
RT: 11.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

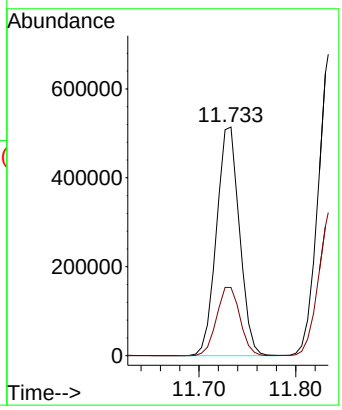
Tgt Ion: 91 Resp: 84814

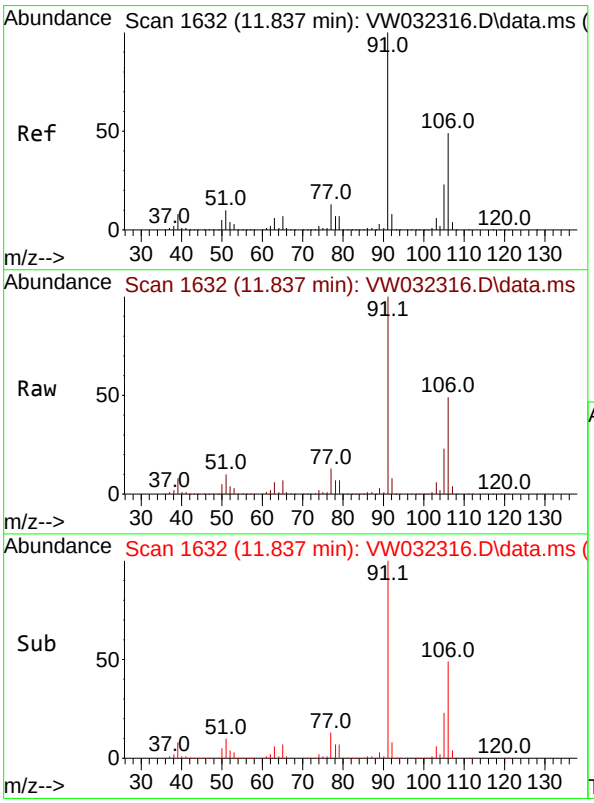
Ion	Ratio	Lower	Upper
91	100		
106	29.8	25.3	37.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

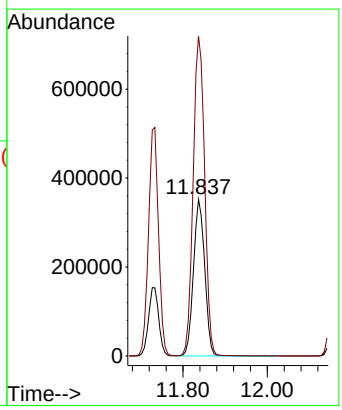


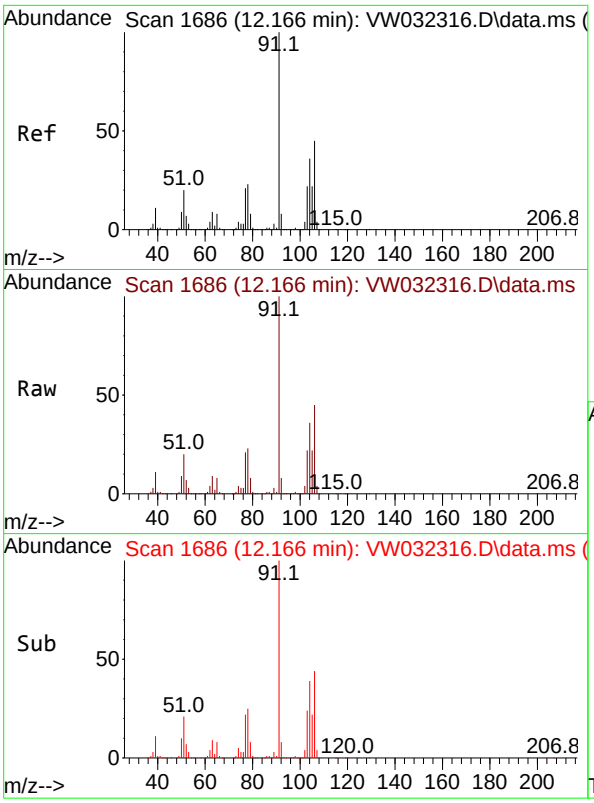


#68
m/p-Xylenes
Concen: 94.476 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:106 Resp: 653426

Ion	Ratio	Lower	Upper
106	100		
91	208.4	164.2	246.2





#69
o-Xylene
Concen: 48.200 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

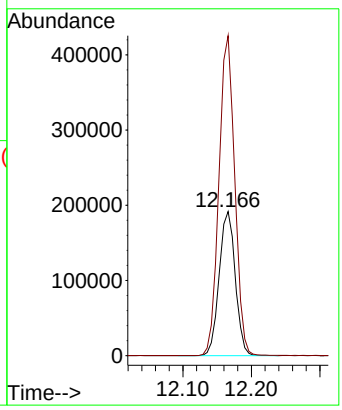
Tgt Ion:106 Resp: 31175

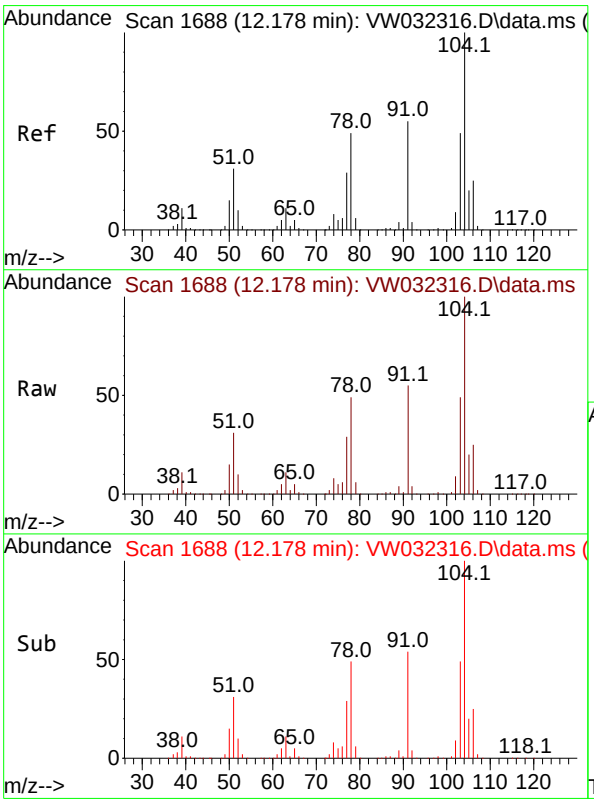
Ion	Ratio	Lower	Upper
106	100		
91	218.0	108.7	326.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

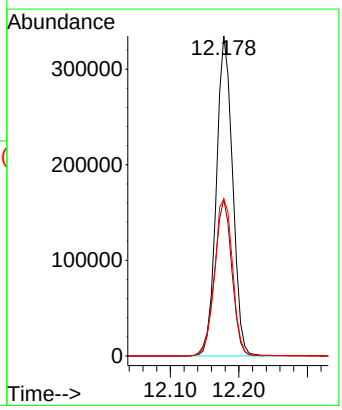


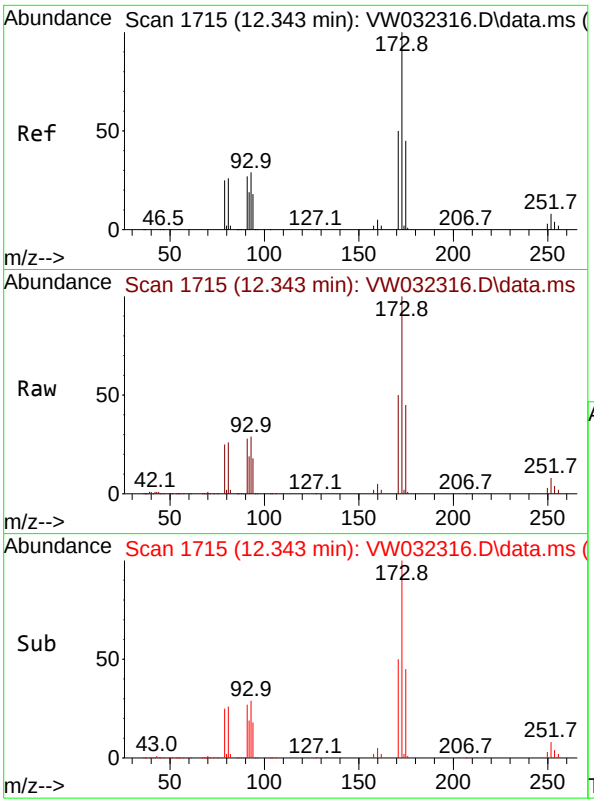


#70
Styrene
Concen: 48.664 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:104 Resp: 549550

Ion	Ratio	Lower	Upper
104	100		
78	52.4	41.6	62.4
103	54.5	44.8	67.2

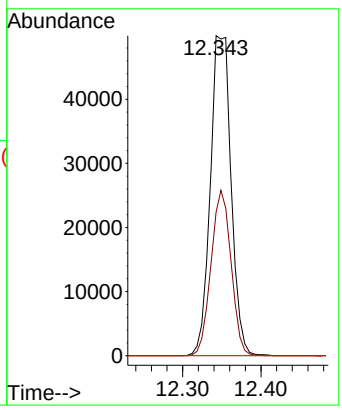




#71
Bromoform
Concen: 48.043 ug/l
RT: 12.343 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:173 Resp: 9229

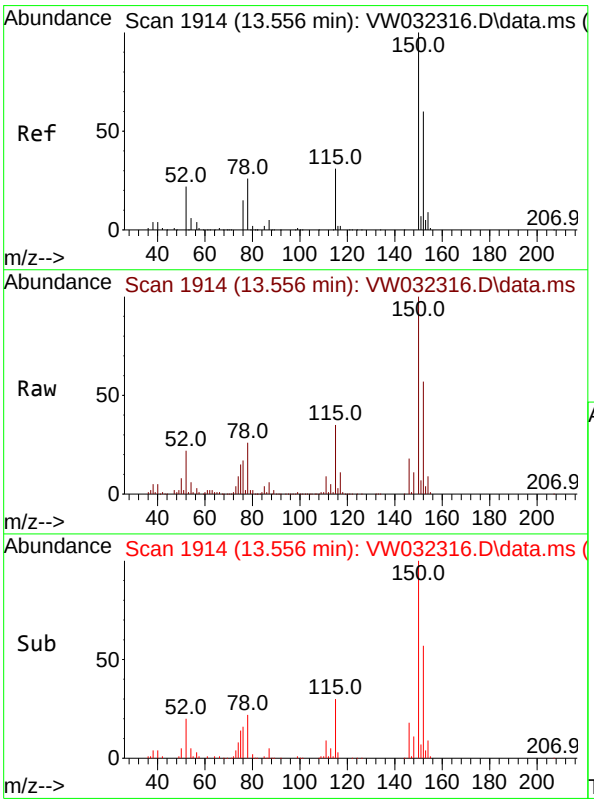
Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.9	74.7
254	0.0	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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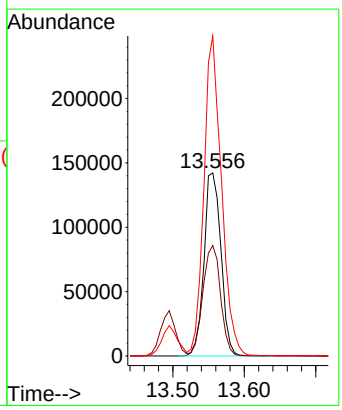
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

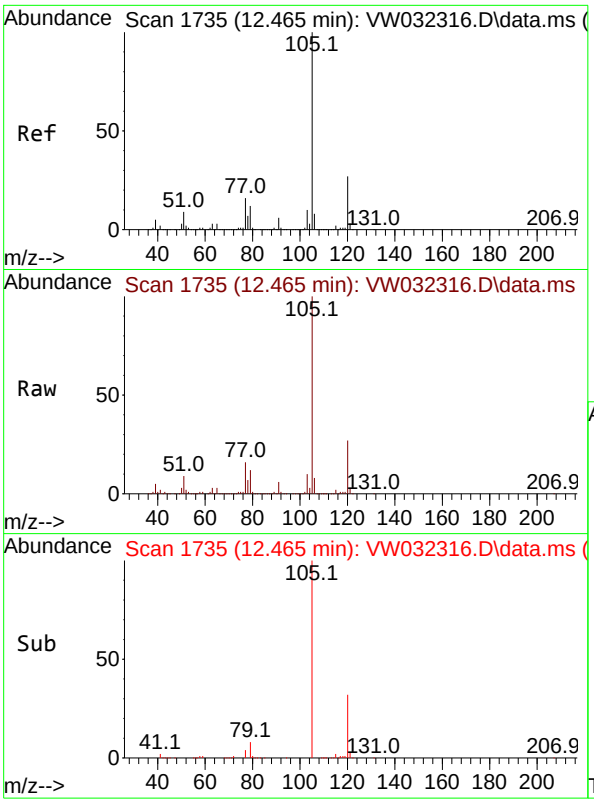


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:152 Resp: 234466

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.8	95.4
150	180.7	0.0	343.0





#73
Isopropylbenzene
Concen: 48.634 ug/l
RT: 12.465 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

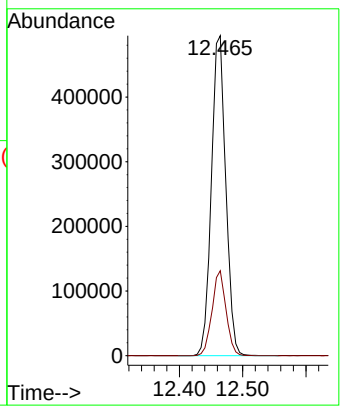
Tgt Ion:105 Resp: 78014

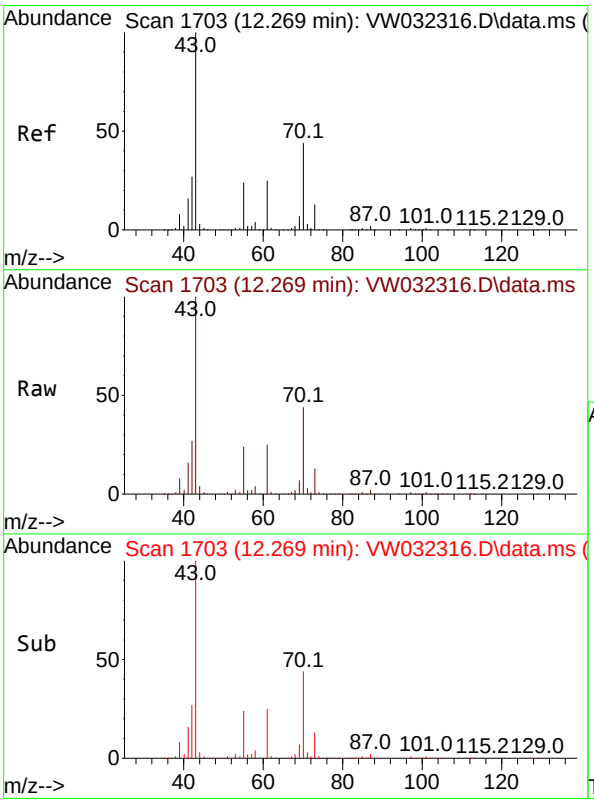
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

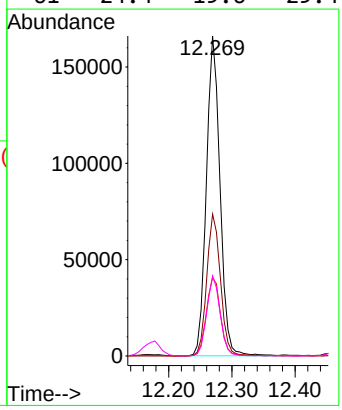


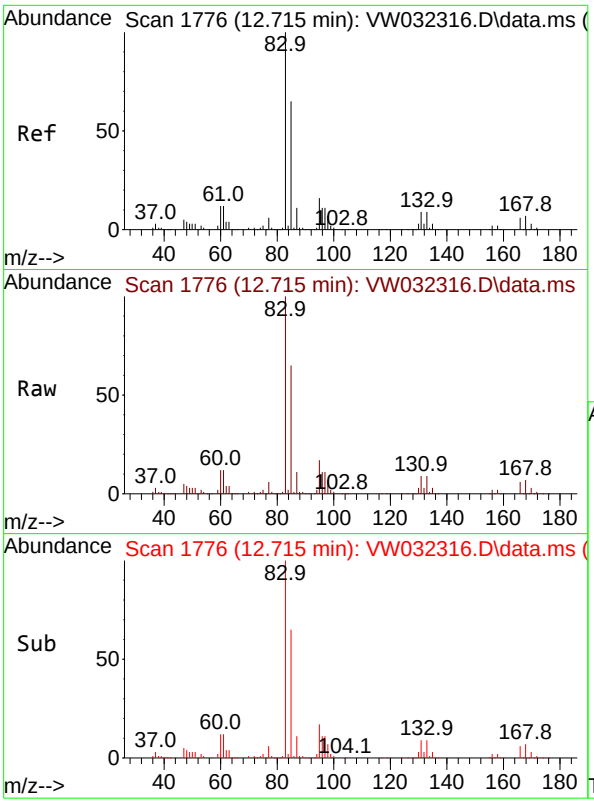


#74
N-amyl acetate
Concen: 48.711 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 43 Resp: 249273

Ion	Ratio	Lower	Upper
43	100		
70	44.8	35.3	52.9
55	25.7	19.9	29.9
61	24.4	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 47.568 ug/l
RT: 12.715 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

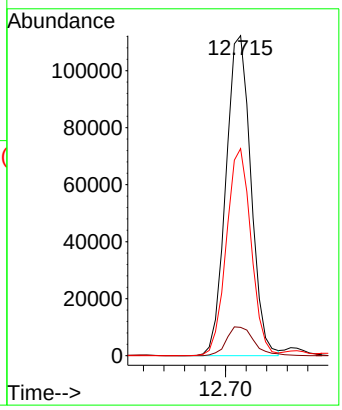
Tgt Ion: 83 Resp: 18946

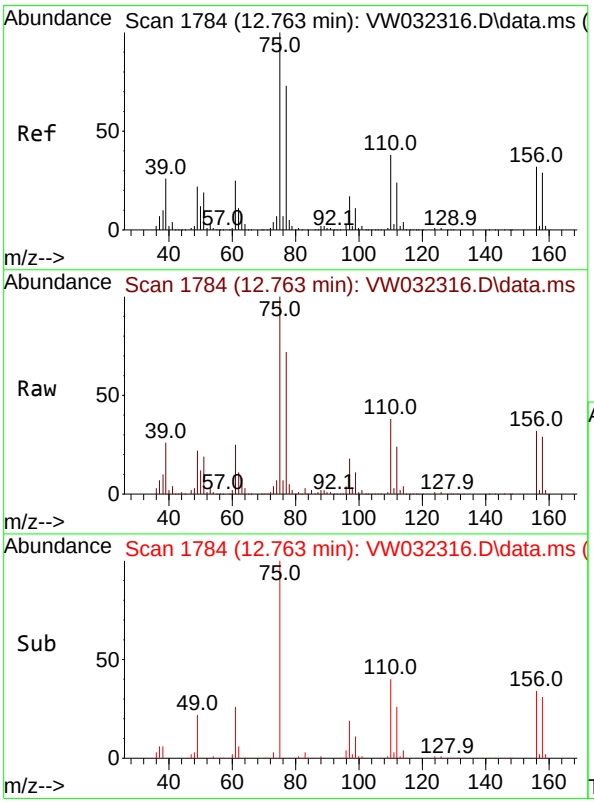
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.4
85	64.0	32.2	96.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

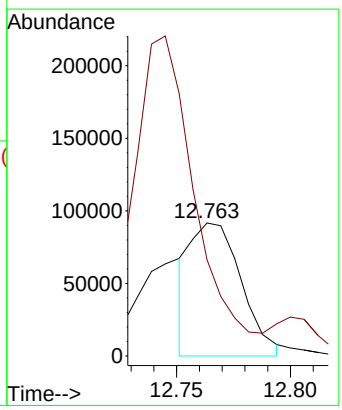


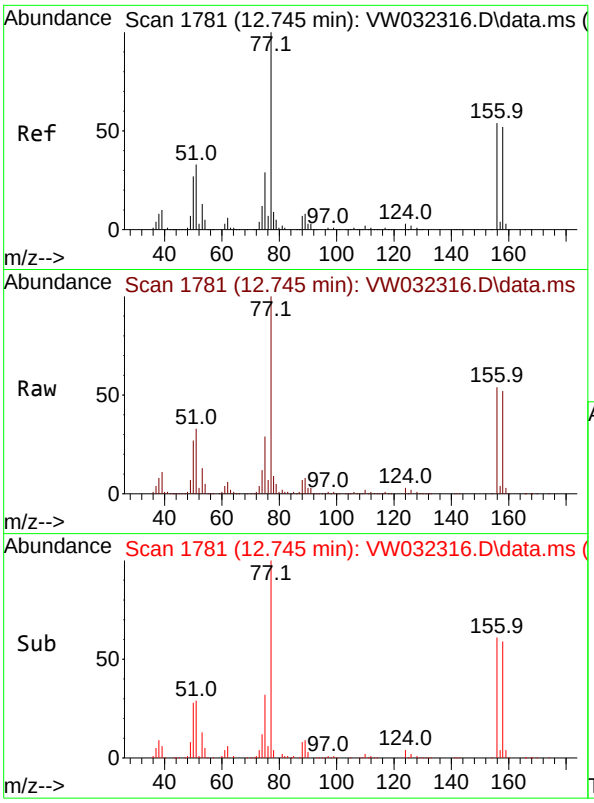


#76
1,2,3-Trichloropropane
Concen: 45.812 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 75 Resp: 141741

Ion	Ratio	Lower	Upper
75	100		
77	294.8	141.7	425.1

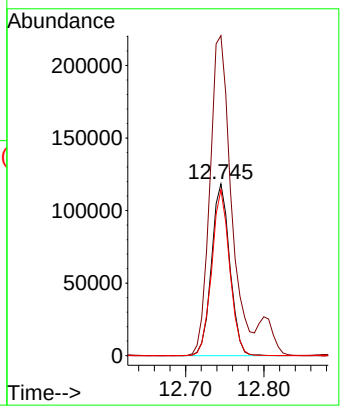




#77
Bromobenzene
Concen: 49.560 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:156 Resp: 19163

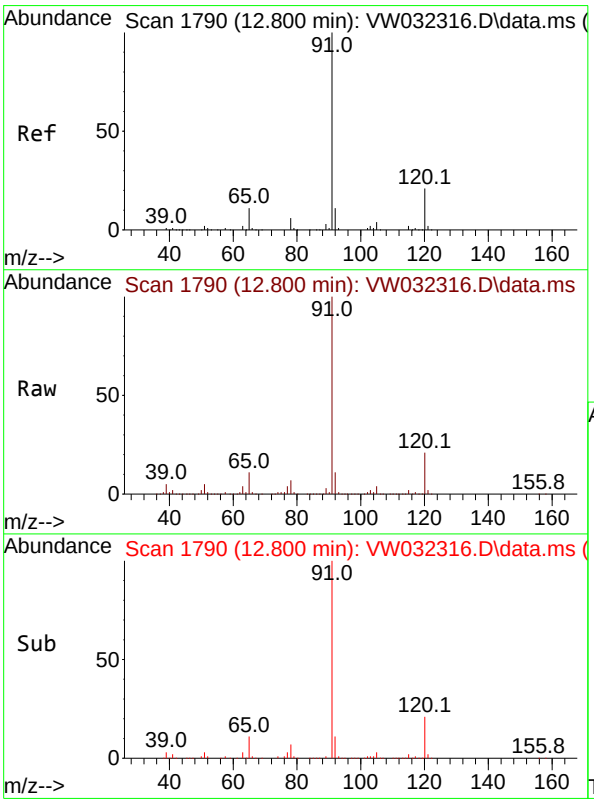
Ion	Ratio	Lower	Upper
156	100		
77	218.1	98.6	295.7
158	94.8	48.4	145.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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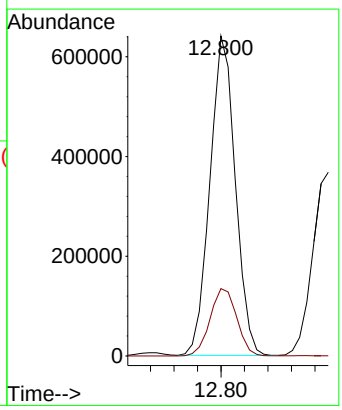
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

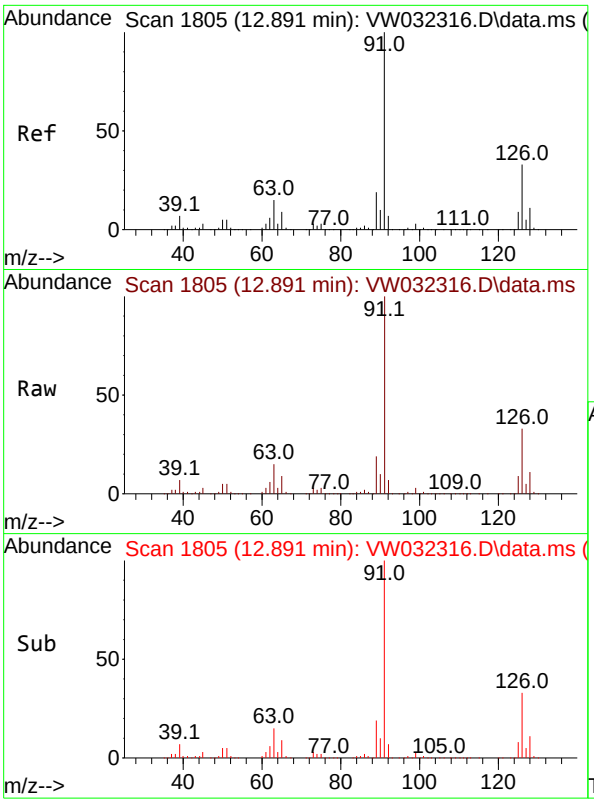


#78
n-propylbenzene
Concen: 47.974 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 91 Resp: 961286

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.8	35.4





#79
2-Chlorotoluene
Concen: 48.227 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

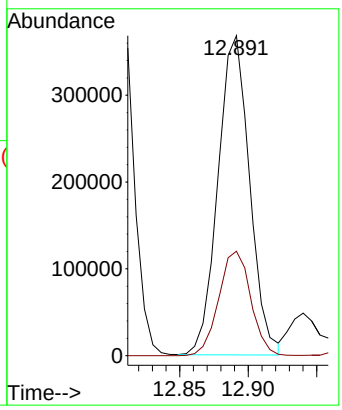
Tgt Ion: 91 Resp: 59086

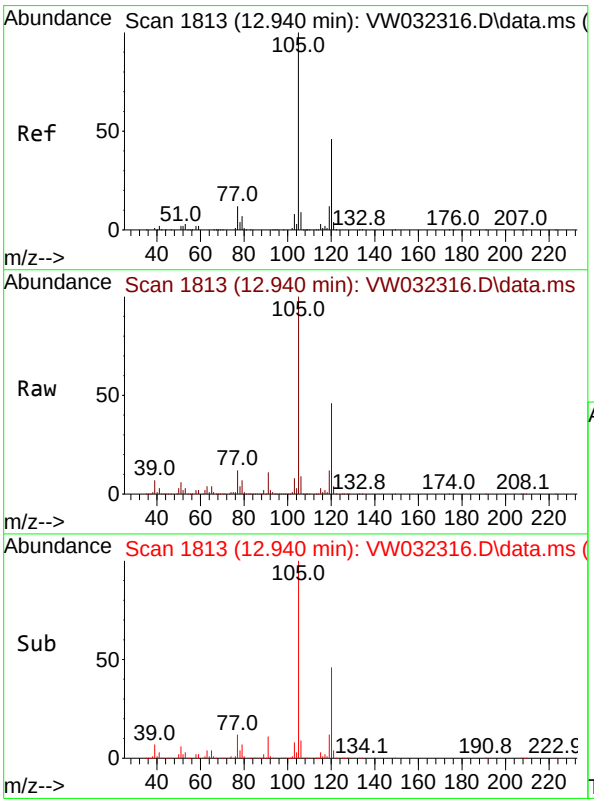
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

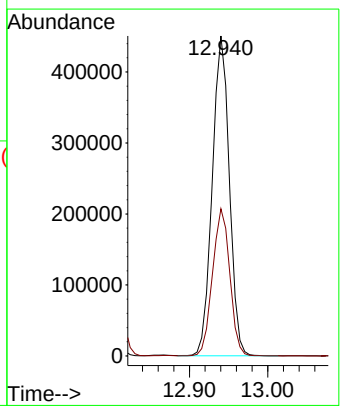


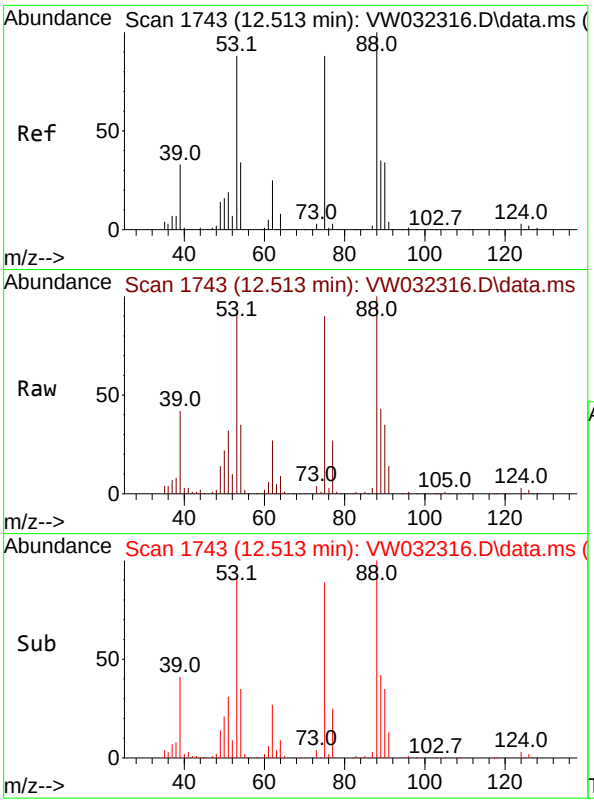


#80
1,3,5-Trimethylbenzene
Concen: 49.221 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:105 Resp: 682722

Ion	Ratio	Lower	Upper
105	100		
120	46.6	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 51.537 ug/l
RT: 12.513 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

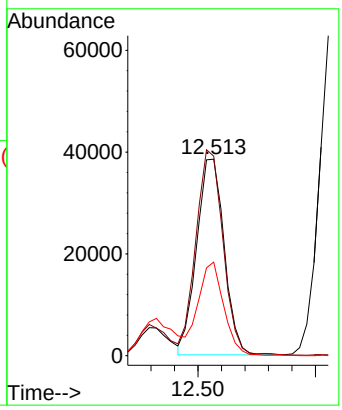
Tgt Ion: 75 Resp: 6277

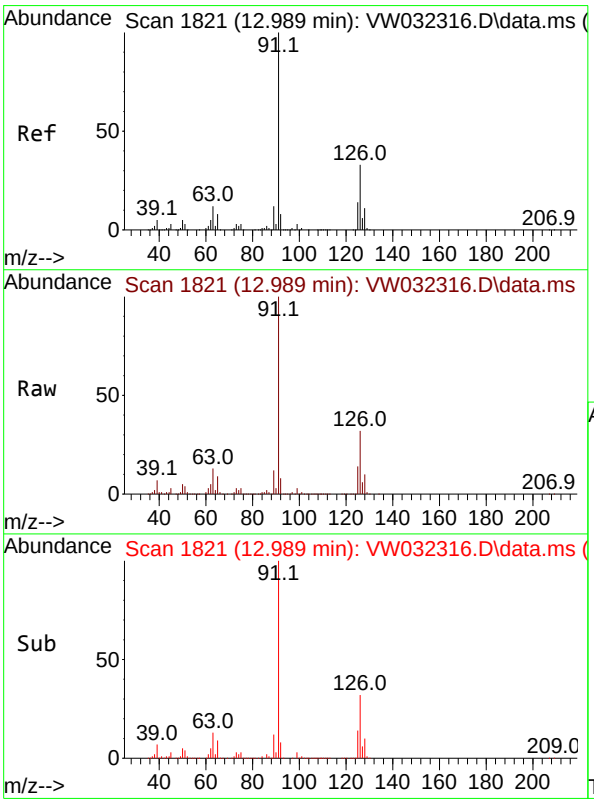
Ion	Ratio	Lower	Upper
75	100		
53	103.9	91.0	136.6
89	43.6	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

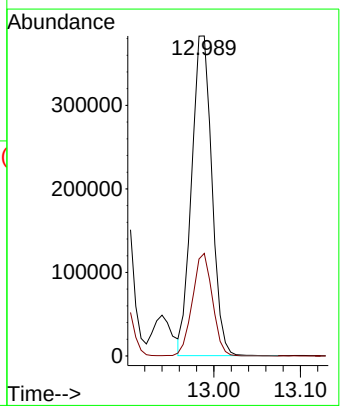


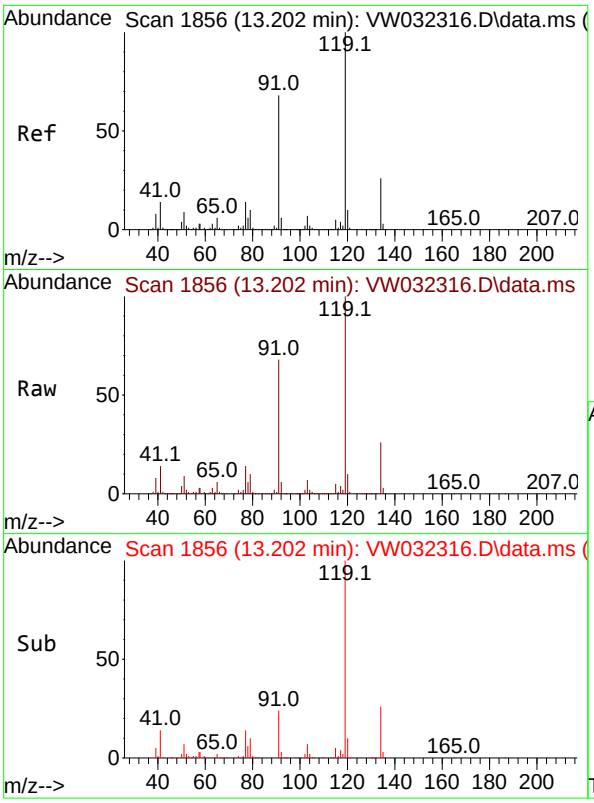


#82
4-Chlorotoluene
Concen: 47.694 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 91 Resp: 621247

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.1	48.2

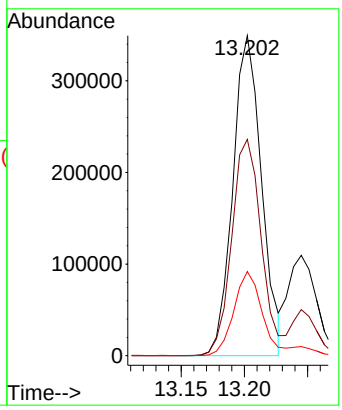




#83
tert-Butylbenzene
Concen: 48.551 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:119 Resp: 55255

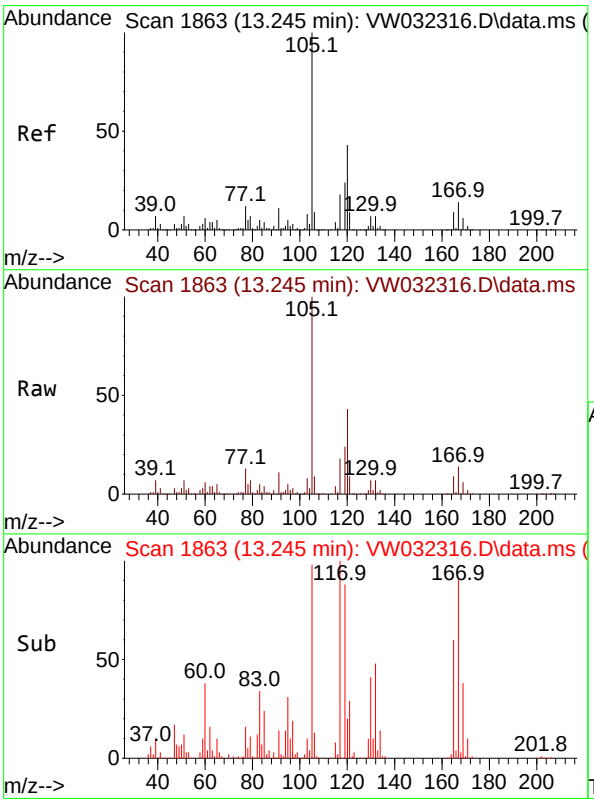
Ion	Ratio	Lower	Upper
119	100		
91	68.6	33.8	101.3
134	25.8	12.5	37.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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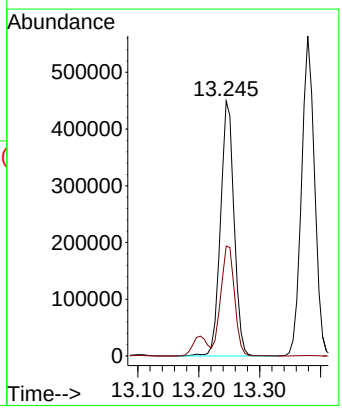
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

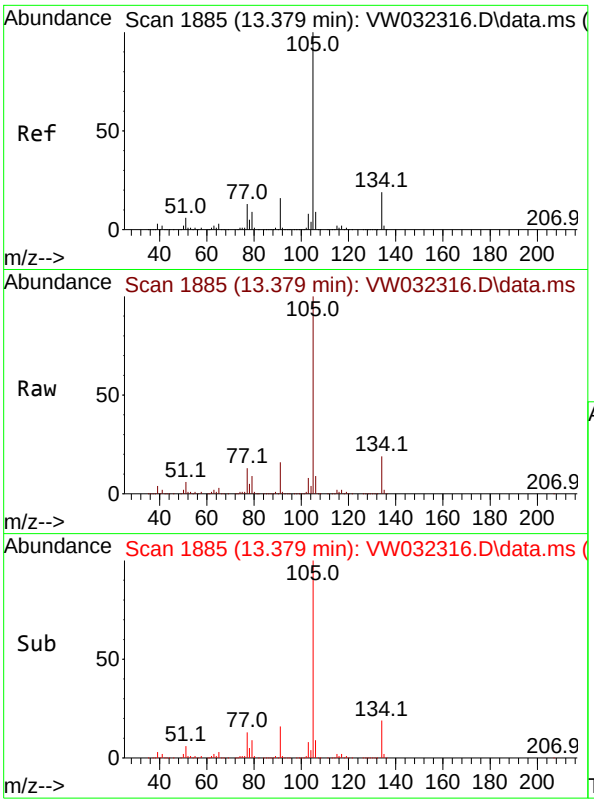


#84
1,2,4-Trimethylbenzene
Concen: 49.283 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:105 Resp: 695101

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.3

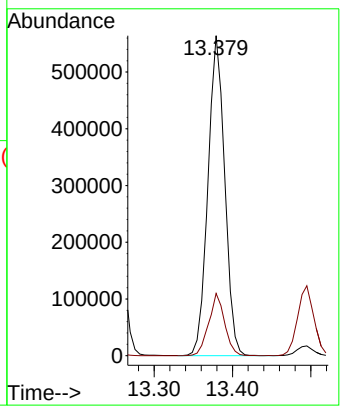




#85
sec-Butylbenzene
Concen: 48.102 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:105 Resp: 83659

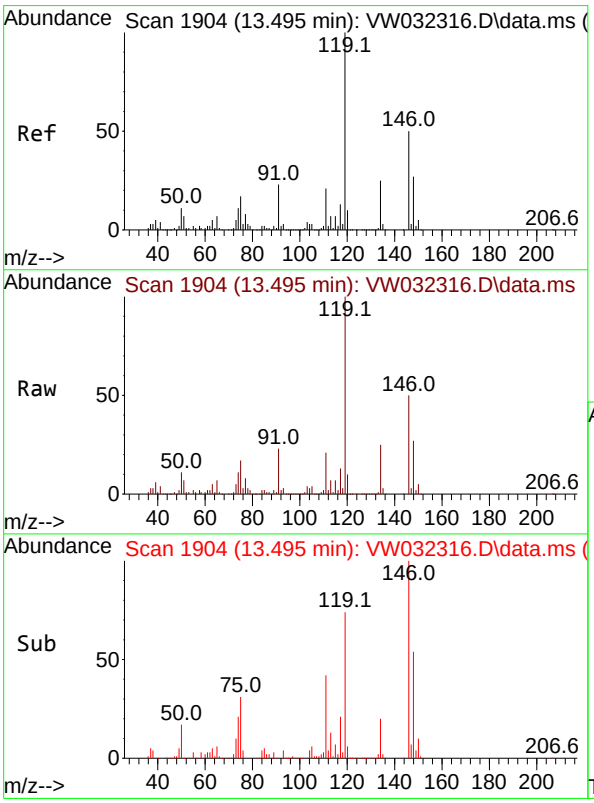
Ion	Ratio	Lower	Upper
105	100		
134	18.5	10.1	30.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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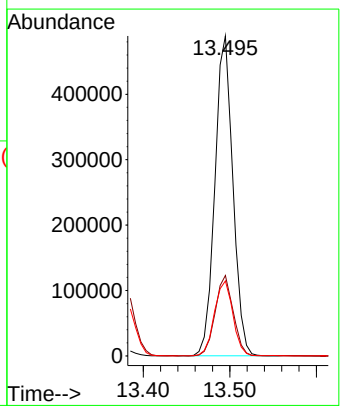
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

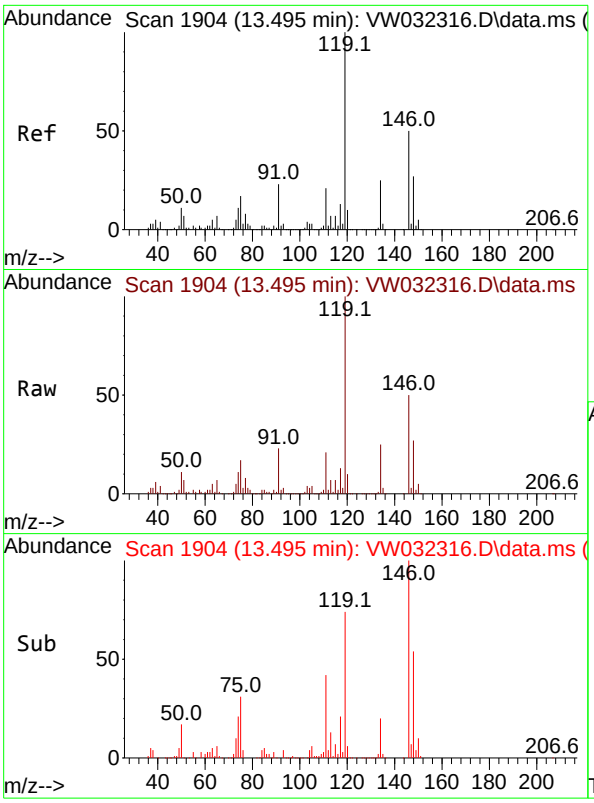


#86
p-Isopropyltoluene
Concen: 48.747 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:119 Resp: 703465

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.6	37.6
91	24.1	12.4	37.0

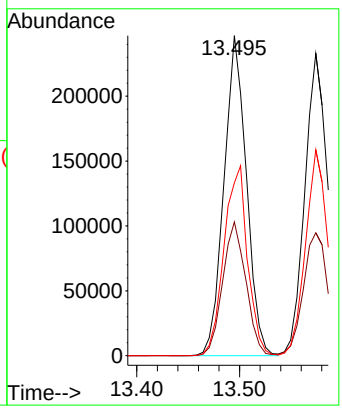




#87
1,3-Dichlorobenzene
Concen: 47.901 ug/l
RT: 13.495 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:146 Resp: 37506

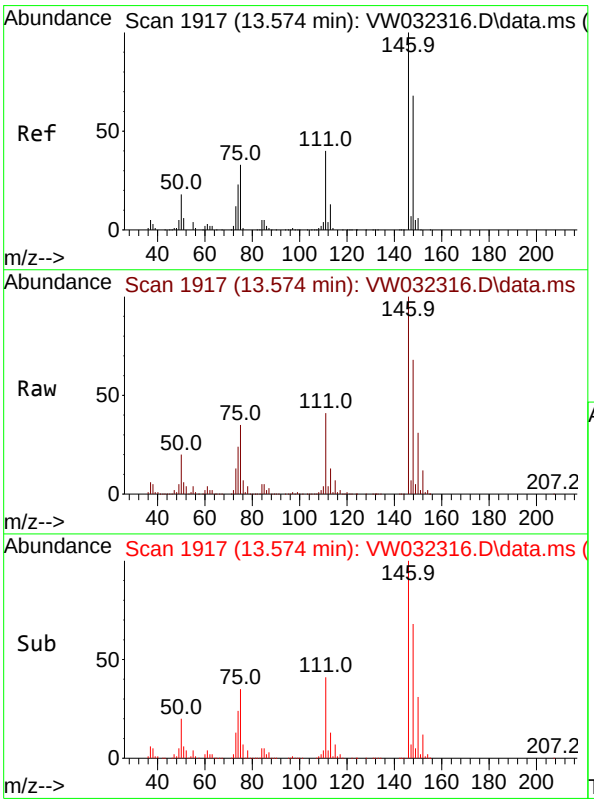
Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.6	61.9
148	61.9	30.6	92.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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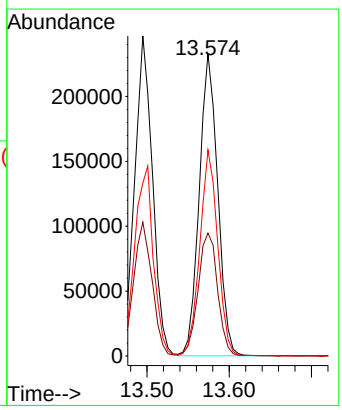
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

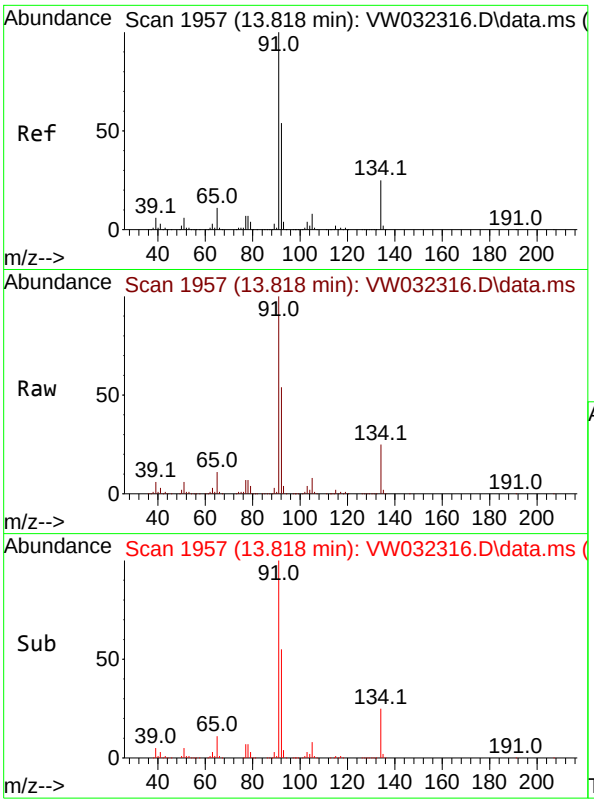


#88
1,4-Dichlorobenzene
Concen: 46.354 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:146 Resp: 362915

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	63.7
148	66.1	33.4	100.1

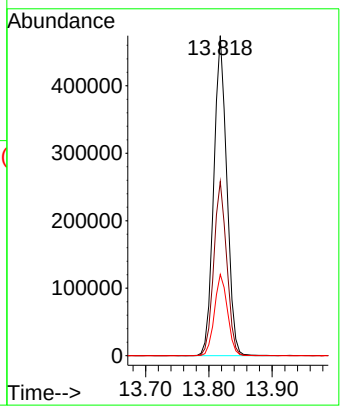




#89
n-Butylbenzene
Concen: 48.100 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 91 Resp: 67772

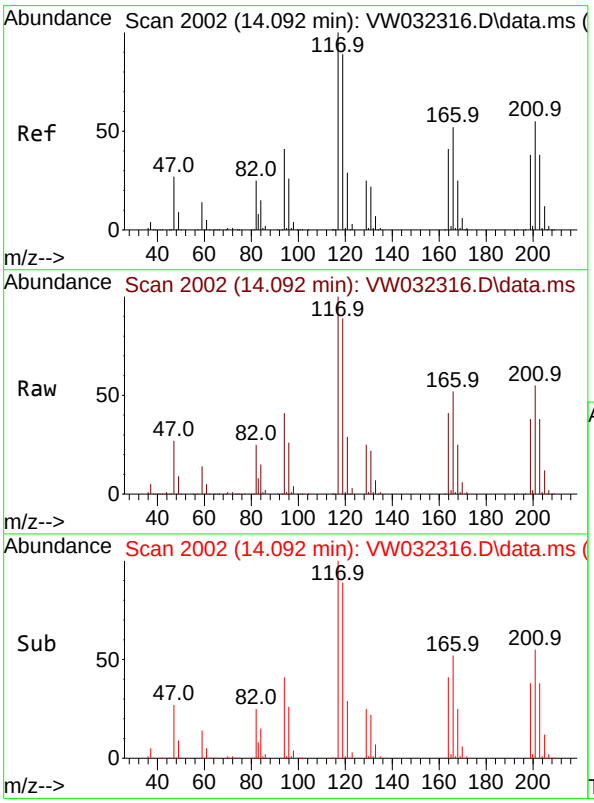
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.0	81.0
134	25.4	13.1	39.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

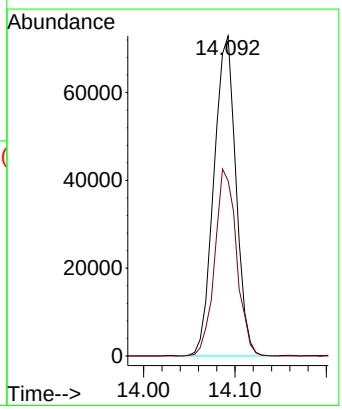
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

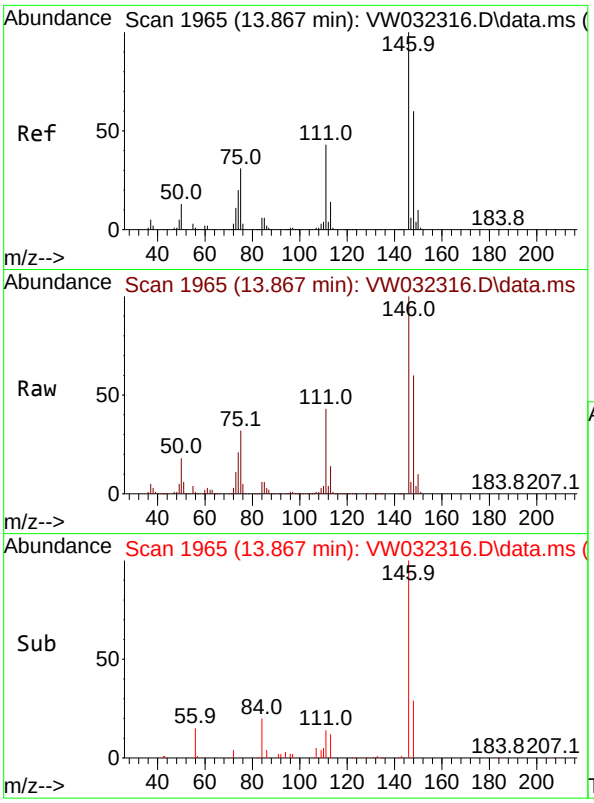


#90
Hexachloroethane
Concen: 47.269 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:117 Resp: 122267

Ion	Ratio	Lower	Upper
117	100		
201	57.9	32.8	98.4

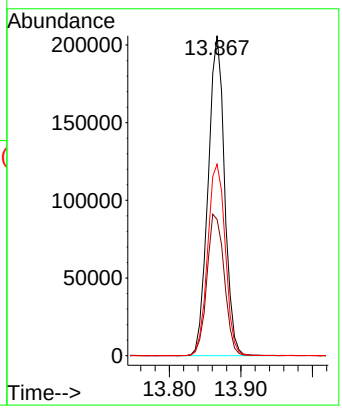




#91
1,2-Dichlorobenzene
Concen: 46.437 ug/l
RT: 13.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:146 Resp: 32868

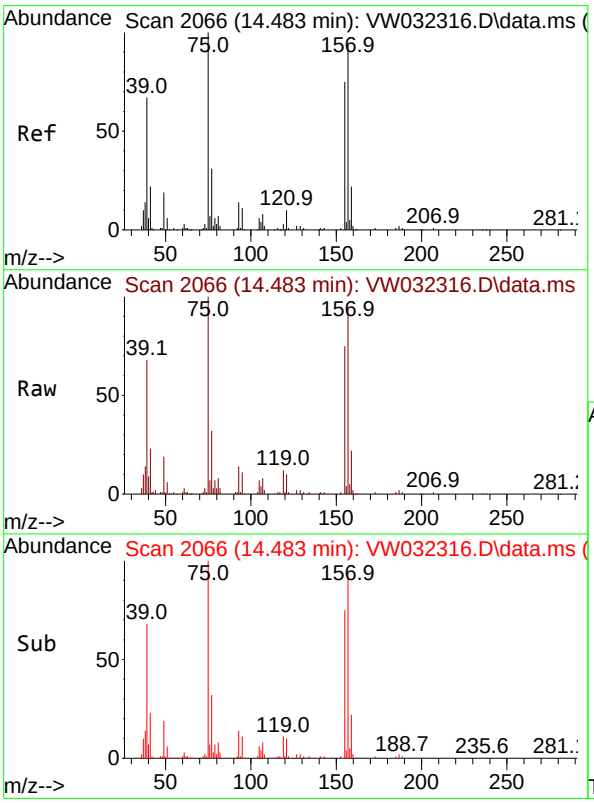
Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.4	70.0
148	64.0	34.1	102.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

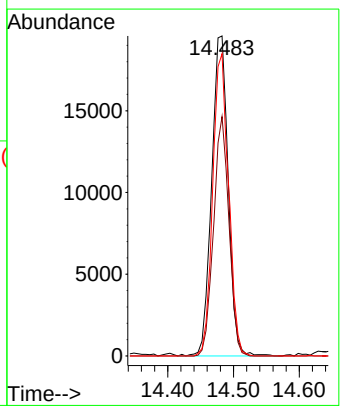
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

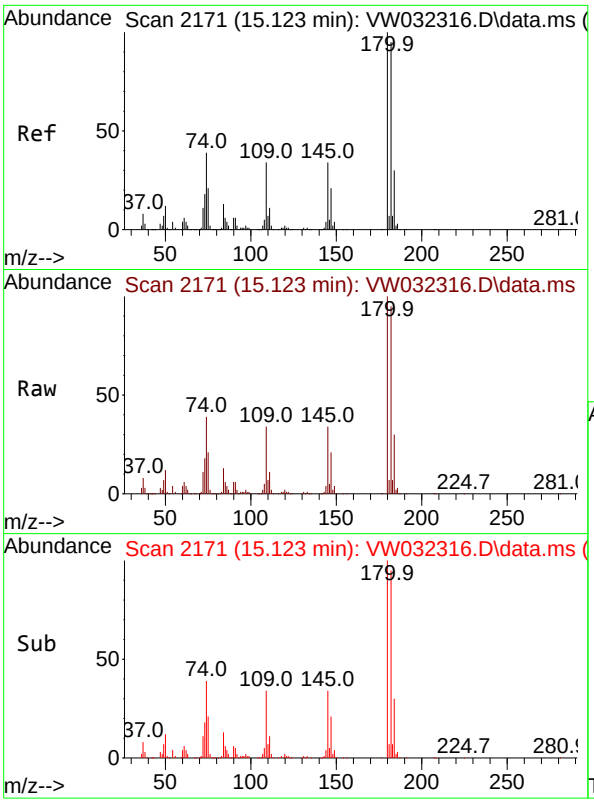


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.219 ug/l
RT: 14.483 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion: 75 Resp: 34323

Ion	Ratio	Lower	Upper
75	100		
155	69.4	40.8	122.5
157	90.3	51.8	155.4

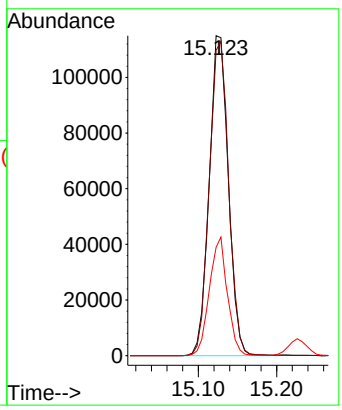




#93
1,2,4-Trichlorobenzene
Concen: 46.003 ug/l
RT: 15.123 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:180 Resp: 19525

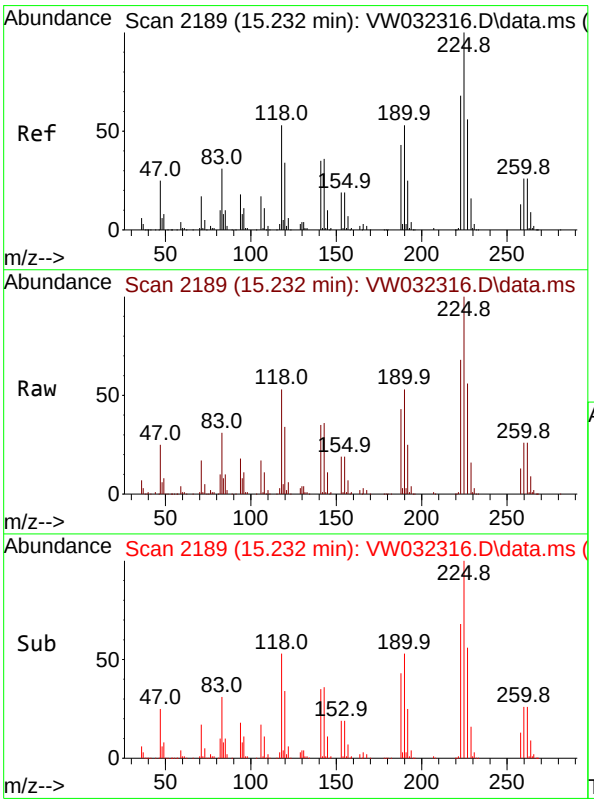
Ion	Ratio	Lower	Upper
180	100		
182	99.3	47.4	142.2
145	34.9	16.4	49.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

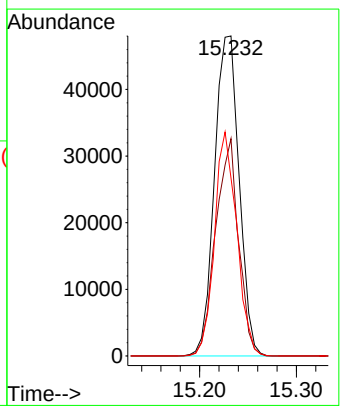
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

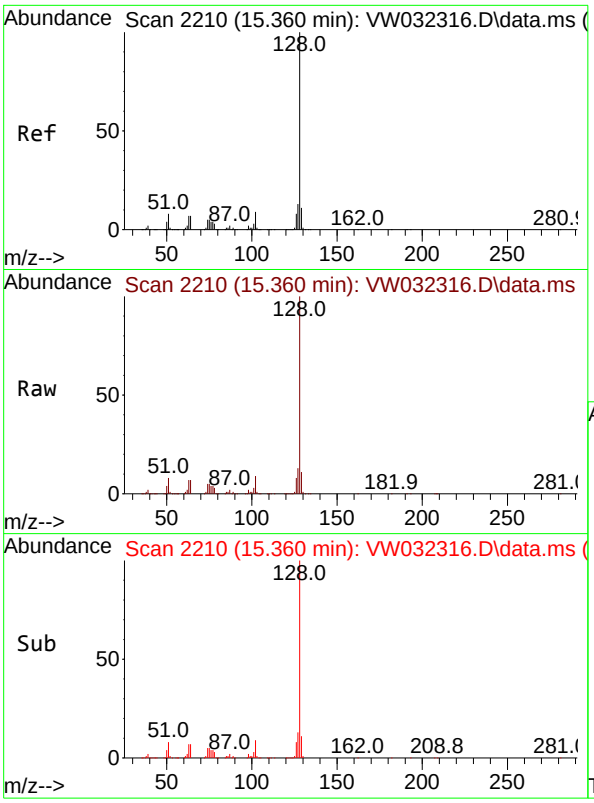


#94
Hexachlorobutadiene
Concen: 43.703 ug/l
RT: 15.232 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:225 Resp: 84805

Ion	Ratio	Lower	Upper
225	100		
223	63.2	29.8	89.3
227	63.4	30.5	91.5

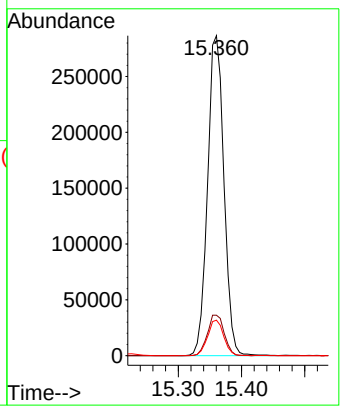




#95
Naphthalene
Concen: 50.483 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:128 Resp: 51455

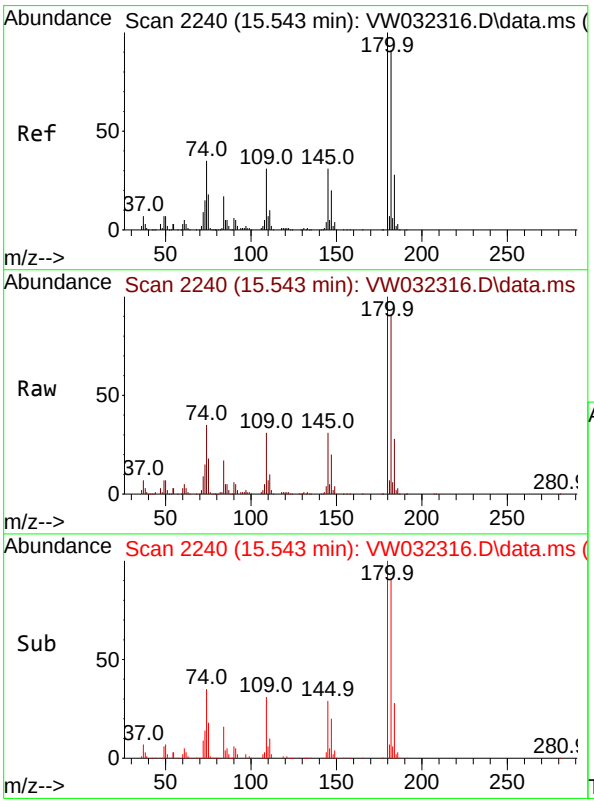
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.0	8.4	12.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

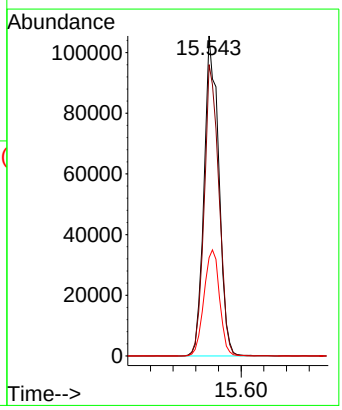
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.458 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.000 min
Lab File: VW032316.D
Acq: 01 Oct 2025 14:37

Tgt Ion:180 Resp: 189852

Ion	Ratio	Lower	Upper
180	100		
182	91.3	47.7	143.1
145	35.1	17.2	51.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032317.D
Acq On : 01 Oct 2025 14:59
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 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	292547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	528901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	475984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	231176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	417484	97.841	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 195.680%#			
35) Dibromofluoromethane	7.898	113	350567	102.349	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 204.700%#			
50) Toluene-d8	10.331	98	1301655	102.965	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 205.920%#			
62) 4-Bromofluorobenzene	12.617	95	485396	101.586	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 203.180%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	165937	90.391	ug/l	98
3) Chloromethane	2.259	50	263109	92.885	ug/l	100
4) Vinyl Chloride	2.405	62	311778	92.194	ug/l	100
5) Bromomethane	2.820	94	228770	92.054	ug/l	94
6) Chloroethane	2.966	64	213270	95.521	ug/l	100
7) Trichlorofluoromethane	3.308	101	246809	97.475	ug/l	97
8) Diethyl Ether	3.722	74	210643	96.005	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.106	101	274433	90.363	ug/l	96
10) Methyl Iodide	4.308	142	411793	95.030	ug/l	99
11) Tert butyl alcohol	5.222	59	142390	440.862	ug/l	97
12) 1,1-Dichloroethene	4.076	96	312434	94.761	ug/l	90
13) Acrolein	3.930	56	241522	460.759	ug/l	100
14) Allyl chloride	4.704	41	538624	96.720	ug/l	89
15) Acrylonitrile	5.405	53	561280	491.730	ug/l	98
16) Acetone	4.161	43	508582	430.455	ug/l	99
17) Carbon Disulfide	4.423	76	887546	98.660	ug/l	100
18) Methyl Acetate	4.710	43	331793	98.033	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	639931	98.544	ug/l	97
20) Methylene Chloride	4.960	84	368359	99.471	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	358450	98.197	ug/l	97
22) Diisopropyl ether	6.344	45	1141459	98.558	ug/l	91
23) Vinyl Acetate	6.283	43	3946823	510.205	ug/l	99
24) 1,1-Dichloroethane	6.246	63	683736	97.173	ug/l	98
25) 2-Butanone	7.197	43	767105	476.718	ug/l	99
26) 2,2-Dichloropropane	7.191	77	345332	95.948	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	433121	98.767	ug/l	95
28) Bromochloromethane	7.533	49	323538	97.732	ug/l	87
29) Tetrahydrofuran	7.551	42	499036	493.149	ug/l	94
30) Chloroform	7.691	83	697012	97.676	ug/l	96
31) Cyclohexane	7.971	56	544824	90.699	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	488662	96.637	ug/l	100
36) 1,1-Dichloropropene	8.093	75	486510	100.644	ug/l	98
37) Ethyl Acetate	7.277	43	322862	100.344	ug/l	99
38) Carbon Tetrachloride	8.081	117	458732	100.845	ug/l	90
39) Methylcyclohexane	9.343	83	601153	103.099	ug/l	98
40) Benzene	8.337	78	1506339	99.416	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032317.D
Acq On : 01 Oct 2025 14:59
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 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	181036	104.404	ug/l		92
42) 1,2-Dichloroethane	8.410	62	487667	98.363	ug/l		99
43) Isopropyl Acetate	8.435	43	597878	104.746	ug/l		100
44) Trichloroethene	9.099	130	359102	101.217	ug/l		90
45) 1,2-Dichloropropane	9.380	63	375302	99.234	ug/l		99
46) Dibromomethane	9.465	93	231385	99.495	ug/l		95
47) Bromodichloromethane	9.654	83	542848	102.055	ug/l		96
48) Methyl methacrylate	9.441	41	293582	105.789	ug/l	#	91
49) 1,4-Dioxane	9.465	88	66922	2105.342	ug/l		98
51) 4-Methyl-2-Pentanone	10.215	43	1663070	503.045	ug/l		100
52) Toluene	10.392	92	960973	101.843	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	555072	107.561	ug/l		99
54) cis-1,3-Dichloropropene	10.081	75	625271	105.188	ug/l		92
55) 1,1,2-Trichloroethane	10.788	97	309412	99.546	ug/l		98
56) Ethyl methacrylate	10.648	69	477191	109.686	ug/l		95
57) 1,3-Dichloropropane	10.934	76	548954	99.997	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	1282918	554.092	ug/l		96
59) 2-Hexanone	10.971	43	1177144	504.847	ug/l		99
60) Dibromochloromethane	11.129	129	375002	106.254	ug/l		99
61) 1,2-Dibromoethane	11.239	107	301749	99.562	ug/l		97
64) Tetrachloroethene	10.867	164	273519	96.034	ug/l		88
65) Chlorobenzene	11.660	112	1041724	99.469	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.733	131	334400	102.516	ug/l		98
67) Ethyl Benzene	11.733	91	1805810	103.444	ug/l		97
68) m/p-Xylenes	11.837	106	1390632	206.584	ug/l		98
69) o-Xylene	12.166	106	667671	106.061	ug/l		99
70) Styrene	12.178	104	1128688	102.692	ug/l		99
71) Bromoform	12.349	173	192066	102.725	ug/l	#	100
73) Isopropylbenzene	12.465	105	1685355	106.560	ug/l		100
74) N-amyl acetate	12.270	43	540543	107.133	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.715	83	385347	98.125	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	295124m	96.745	ug/l		
77) Bromobenzene	12.745	156	396745	104.063	ug/l		92
78) n-propylbenzene	12.800	91	2052249	103.878	ug/l		97
79) 2-Chlorotoluene	12.885	91	1213767	100.479	ug/l		97
80) 1,3,5-Trimethylbenzene	12.940	105	1439767	105.277	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	135383	112.737	ug/l		88
82) 4-Chlorotoluene	12.989	91	1299440	101.179	ug/l		99
83) tert-Butylbenzene	13.202	119	1179238	105.090	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	1445279	103.930	ug/l		99
85) sec-Butylbenzene	13.379	105	1756008	102.403	ug/l		99
86) p-Isopropyltoluene	13.495	119	1460991	102.680	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	766586	99.297	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	767903	99.477	ug/l		95
89) n-Butylbenzene	13.818	91	1440709	103.706	ug/l		98
90) Hexachloroethane	14.092	117	265991	104.296	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	678218	97.184	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.483	75	67919	98.781	ug/l		89
93) 1,2,4-Trichlorobenzene	15.129	180	433724	103.645	ug/l		97
94) Hexachlorobutadiene	15.232	225	191123	99.894	ug/l		97
95) Naphthalene	15.360	128	1054202	104.900	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	399527	101.292	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032317.D
Acq On : 01 Oct 2025 14:59
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 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

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

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

ICAL Form

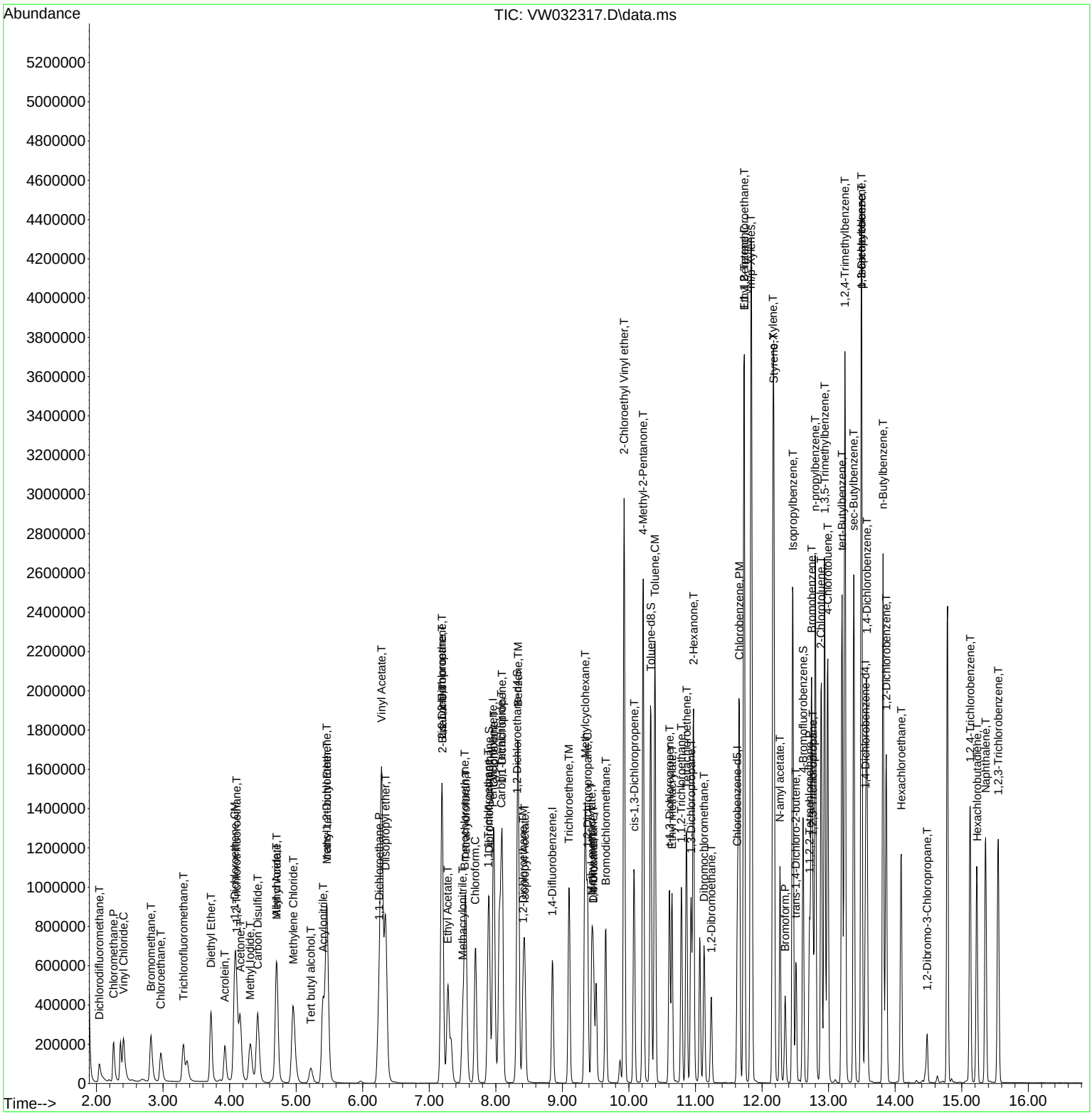
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032317.D
Acq On : 01 Oct 2025 14:59
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

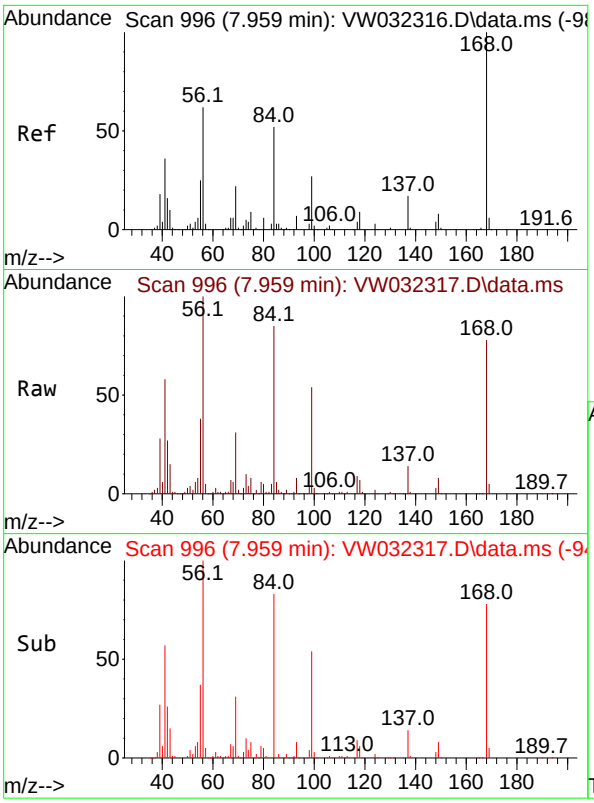
Quant Time: Oct 02 21:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

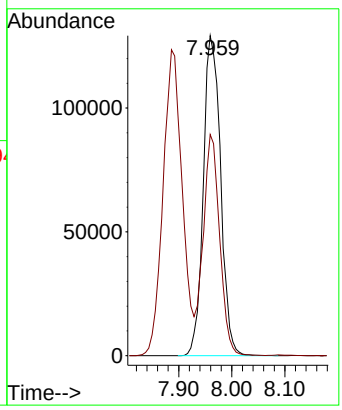




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:168 Resp: 29254

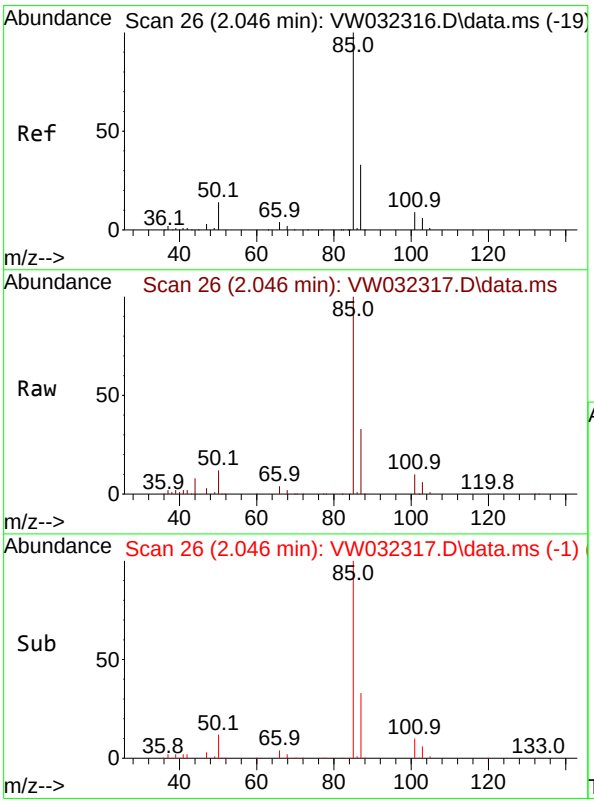
Ion	Ratio	Lower	Upper
168	100		
99	68.8	49.3	73.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

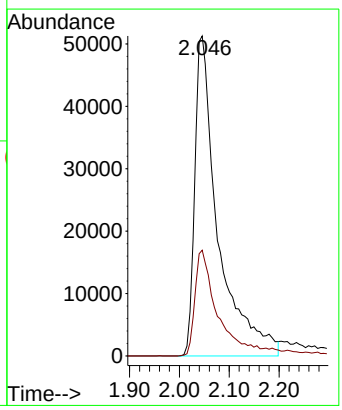
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

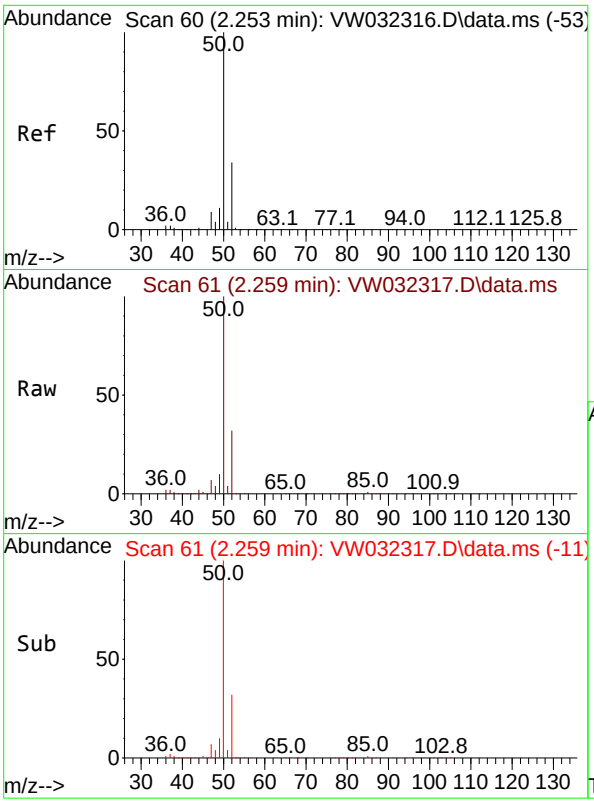


#2
Dichlorodifluoromethane
Concen: 90.391 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 85 Resp: 165937

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.2	51.6

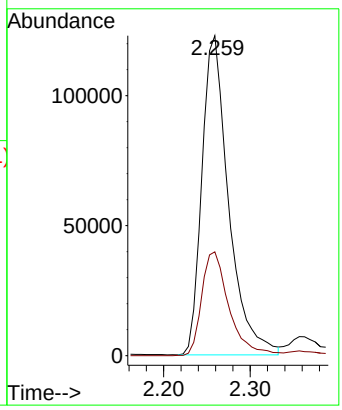




#3
Chloromethane
Concen: 92.885 ug/l
RT: 2.259 min Scan# 6
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 50 Resp: 26310

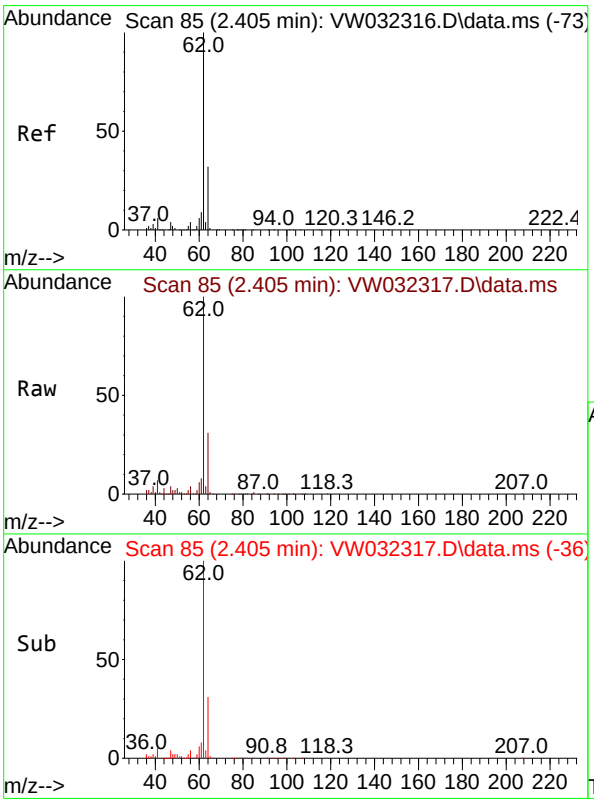
Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.1	39.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

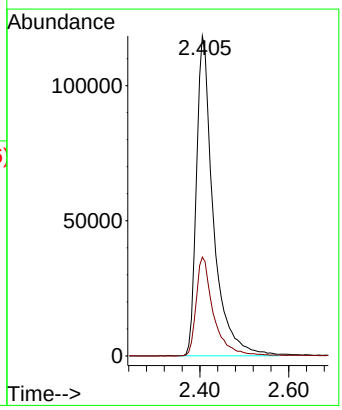
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

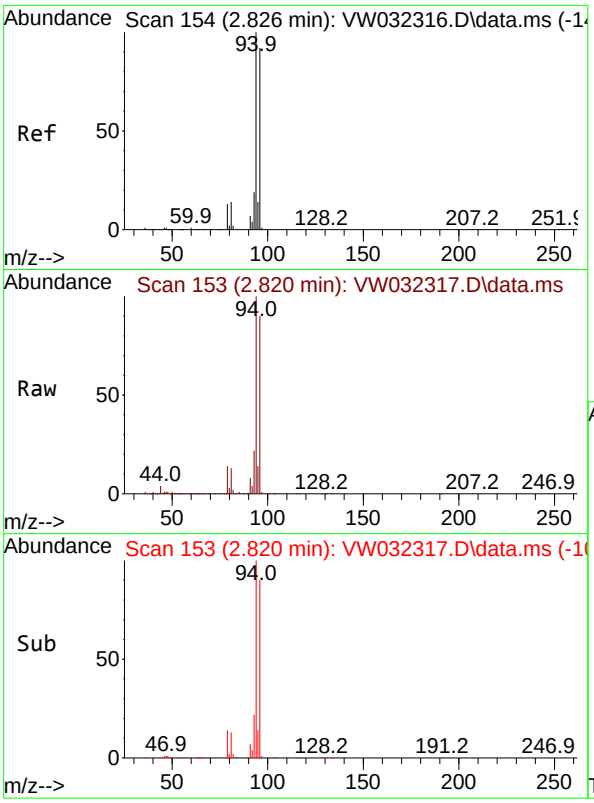


#4
Vinyl Chloride
Concen: 92.194 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 62 Resp: 311778

Ion	Ratio	Lower	Upper
62	100		
64	30.9	24.8	37.2





#5
Bromomethane
Concen: 92.054 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

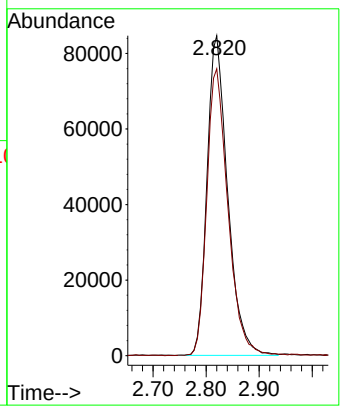
Tgt Ion: 94 Resp: 22877

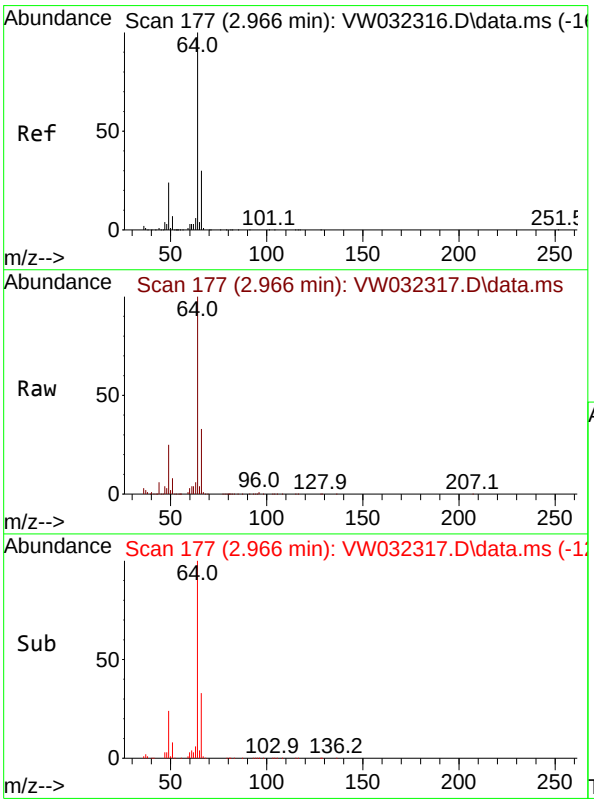
Ion	Ratio	Lower	Upper
94	100		
96	89.6	76.6	115.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

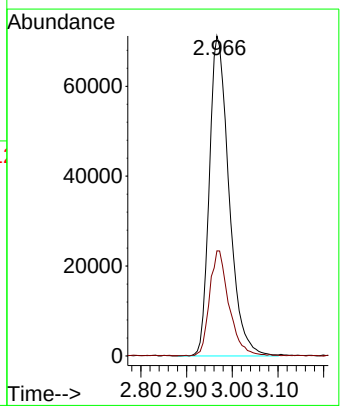


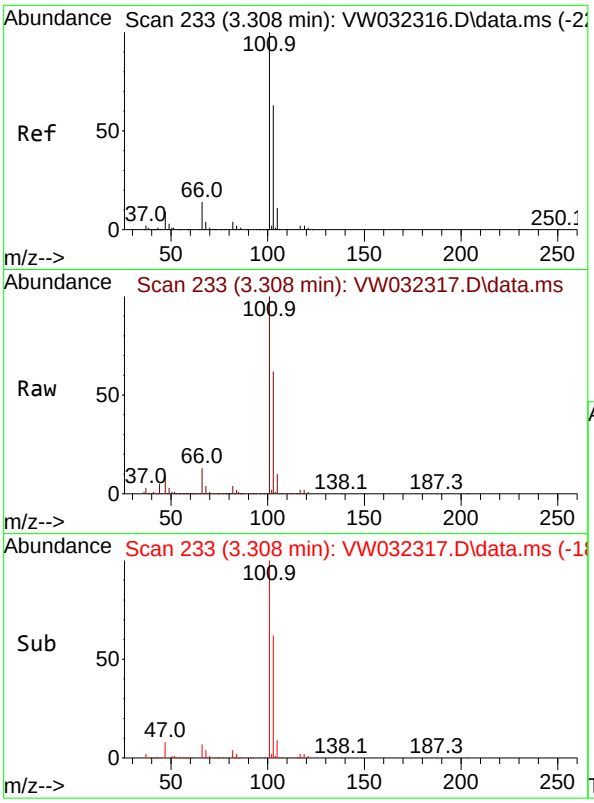


#6
Chloroethane
Concen: 95.521 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 64 Resp: 213270

Ion	Ratio	Lower	Upper
64	100		
66	32.8	26.2	39.4

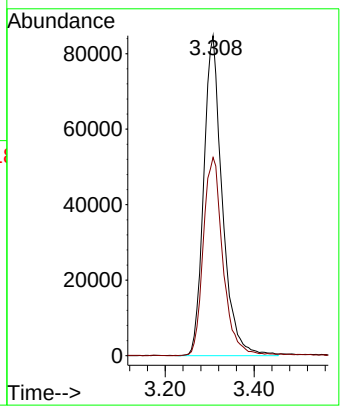




#7
Trichlorofluoromethane
Concen: 97.475 ug/l
RT: 3.308 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:101 Resp: 24680

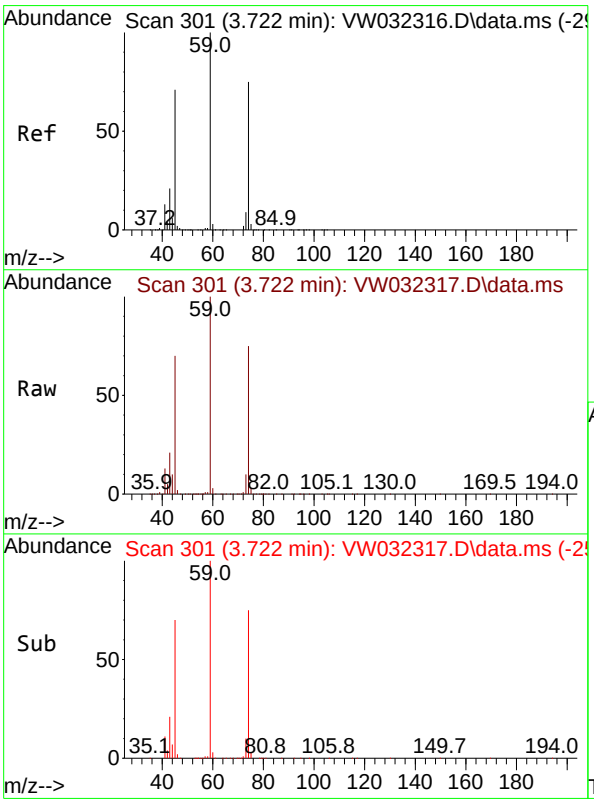
Ion	Ratio	Lower	Upper
101	100		
103	61.9	47.8	71.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

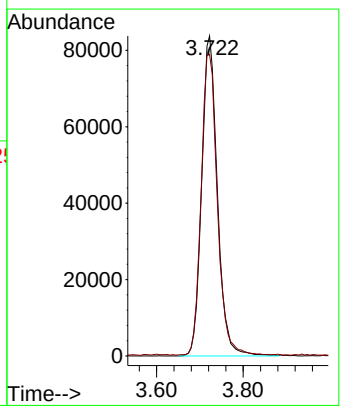
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

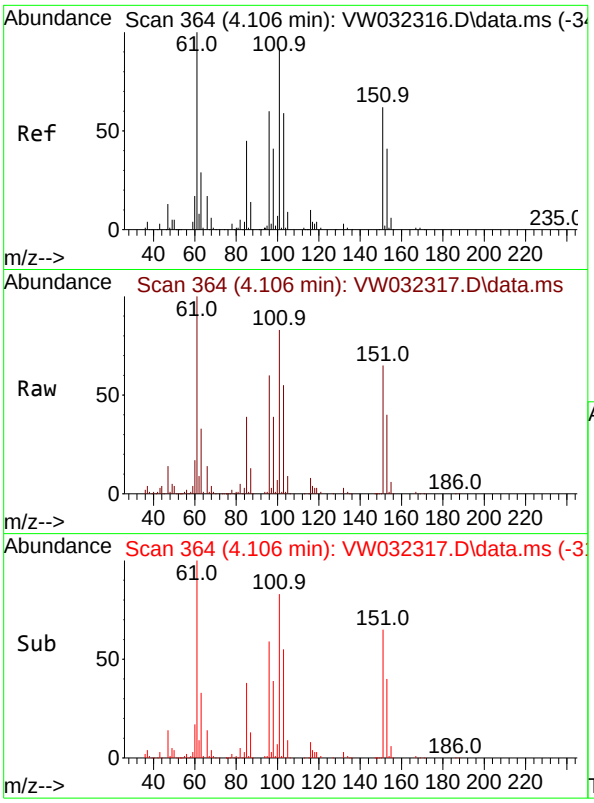


#8
Diethyl Ether
Concen: 96.005 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 74 Resp: 210643

Ion	Ratio	Lower	Upper
74	100		
45	97.2	43.1	129.4

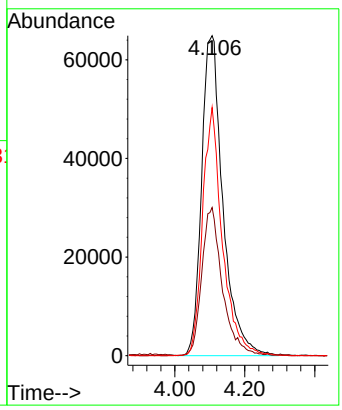




#9
1,1,2-Trichlorotrifluoroethane
Concen: 90.363 ug/l
RT: 4.106 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:101 Resp: 27443

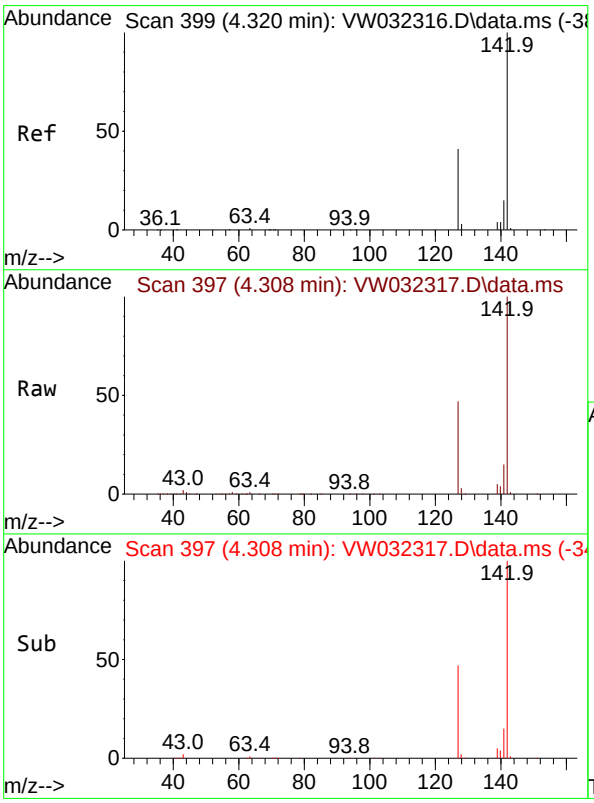
Ion	Ratio	Lower	Upper
101	100		
85	44.8	37.1	55.7
151	72.0	61.5	92.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

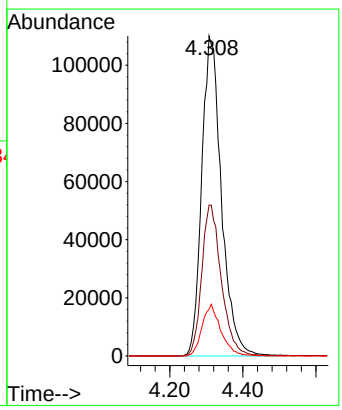
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

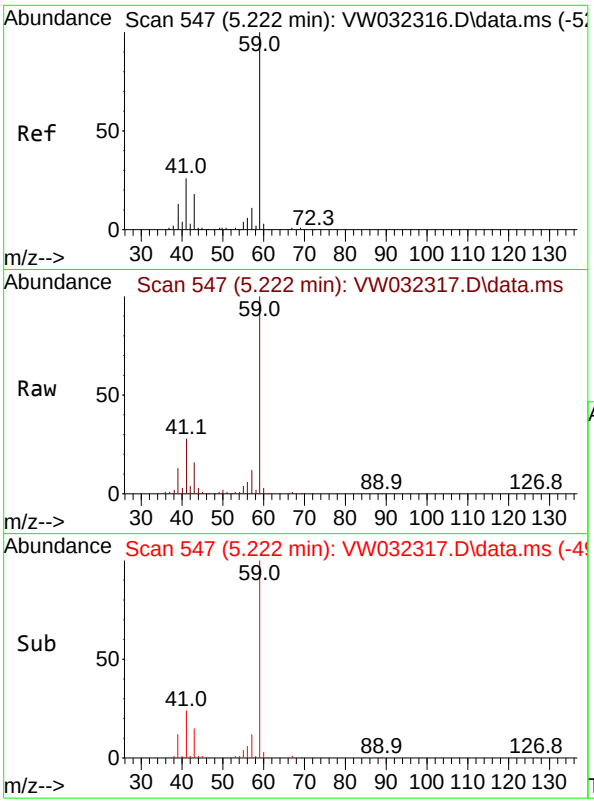


#10
Methyl Iodide
Concen: 95.030 ug/l
RT: 4.308 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:142 Resp: 411793

Ion	Ratio	Lower	Upper
142	100		
127	46.9	38.2	57.2
141	15.3	12.2	18.2





#11
Tert butyl alcohol
Concen: 440.862 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

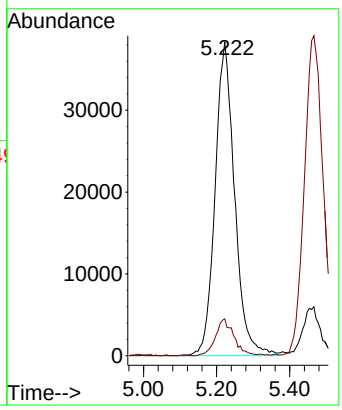
Tgt Ion: 59 Resp: 14239

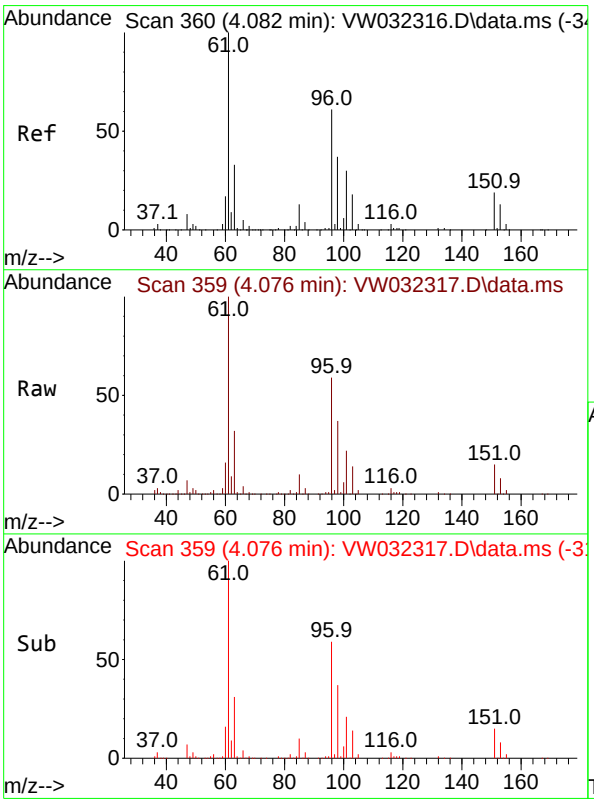
Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.8	14.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

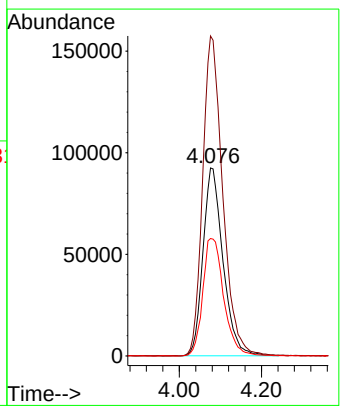


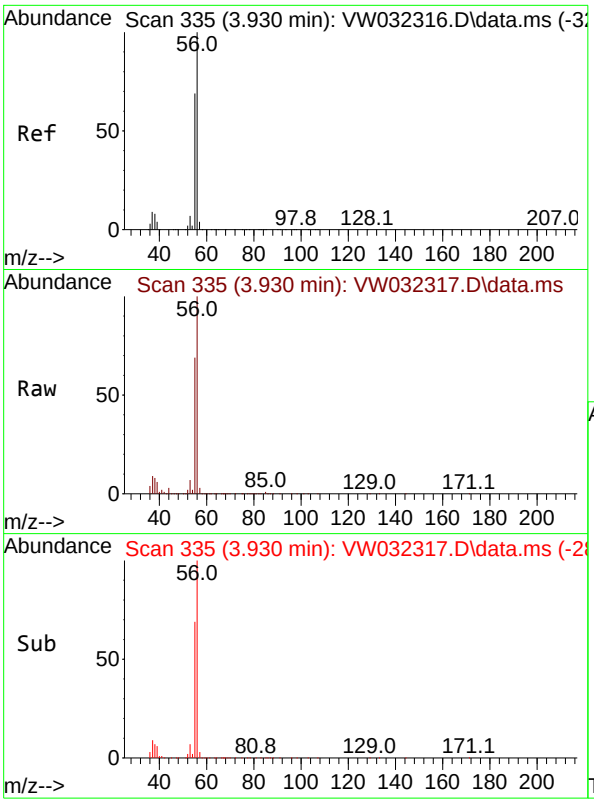


#12
1,1-Dichloroethene
Concen: 94.761 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 96 Resp: 312434

Ion	Ratio	Lower	Upper
96	100		
61	170.2	123.0	184.4
98	62.5	48.5	72.7

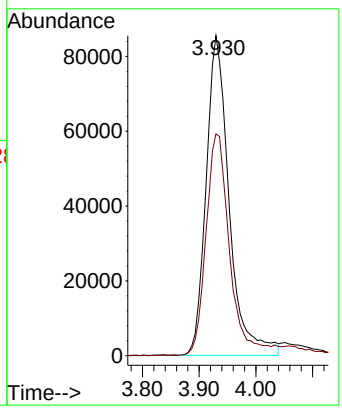




#13
Acrolein
Concen: 460.759 ug/l
RT: 3.930 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 56 Resp: 24152

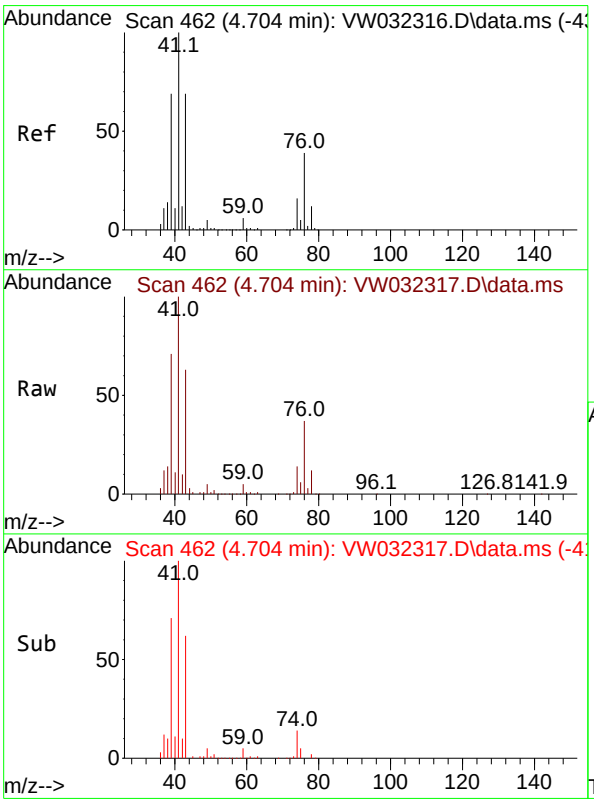
Ion	Ratio	Lower	Upper
56	100		
55	70.4	56.4	84.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

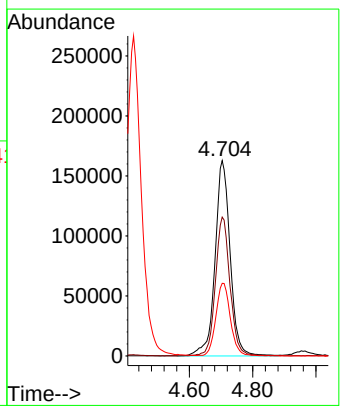
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

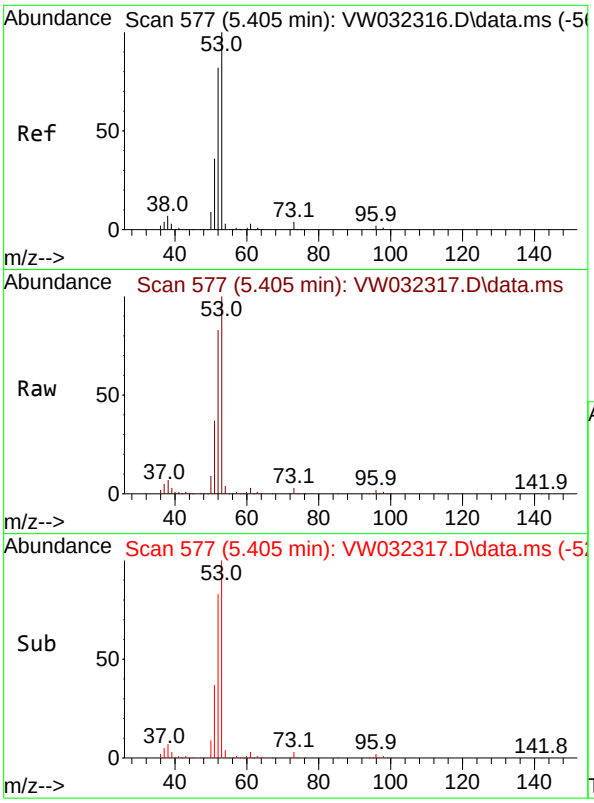


#14
Allyl chloride
Concen: 96.720 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 41 Resp: 538624

Ion	Ratio	Lower	Upper
41	100		
39	68.5	64.1	96.1
76	35.5	31.4	47.2

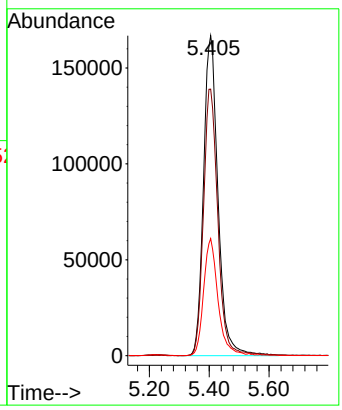




#15
Acrylonitrile
Concen: 491.730 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 53 Resp: 56128

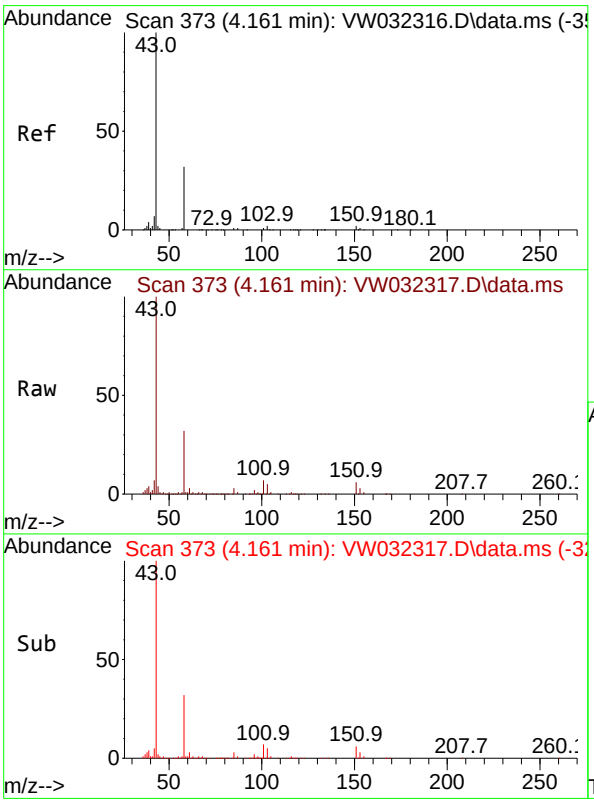
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.4	101.2
51	36.3	30.3	45.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

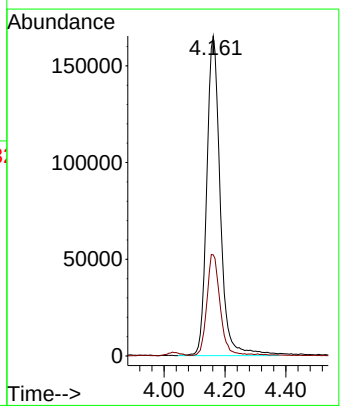
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

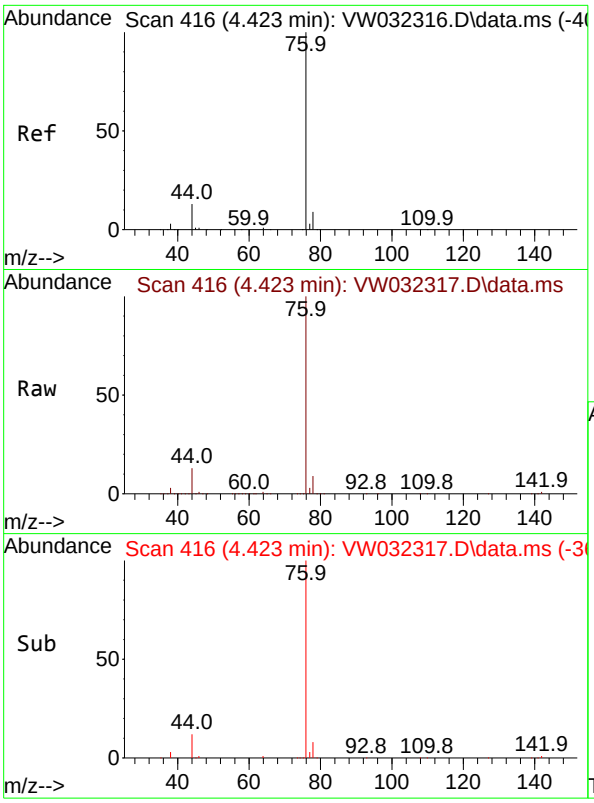


#16
Acetone
Concen: 430.455 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 43 Resp: 508582

Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.3	37.9





#17
Carbon Disulfide
Concen: 98.660 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

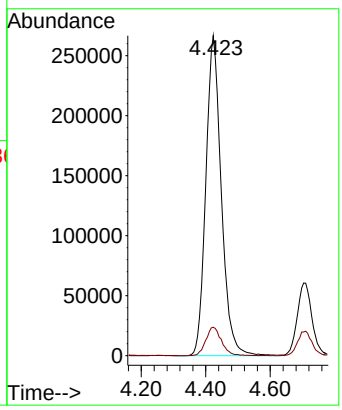
Tgt Ion: 76 Resp: 88754

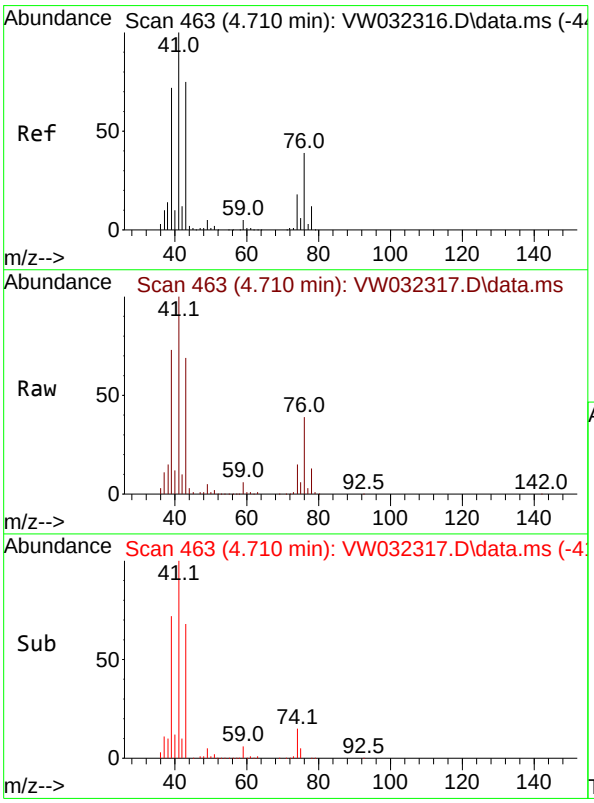
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

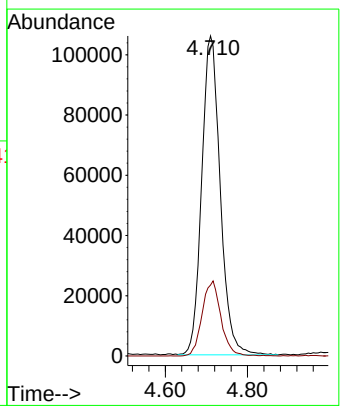


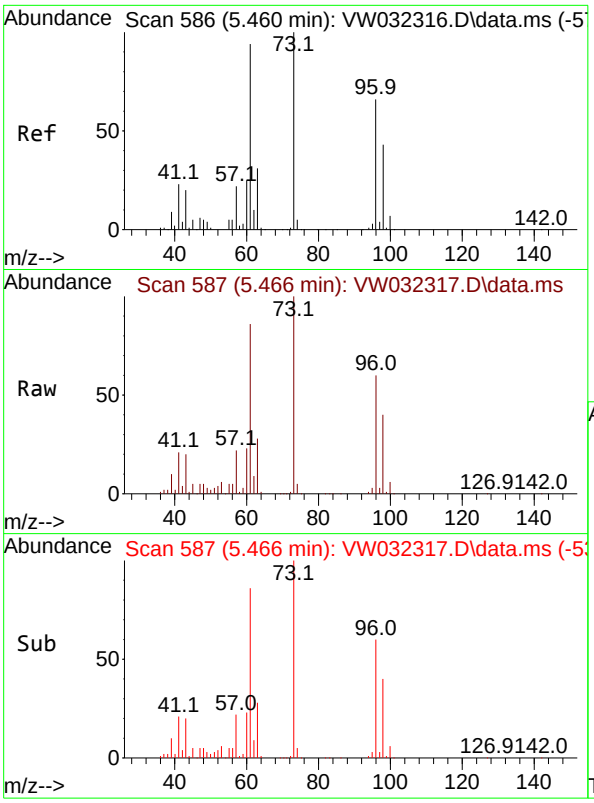


#18
Methyl Acetate
Concen: 98.033 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 43 Resp: 331793

Ion	Ratio	Lower	Upper
43	100		
74	23.7	20.2	30.4

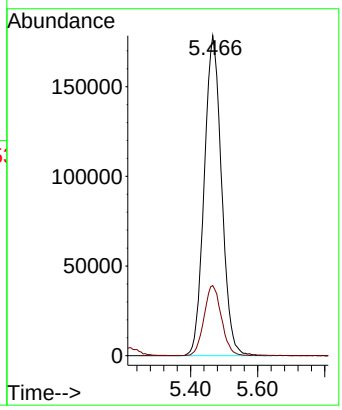




#19
Methyl tert-butyl Ether
Concen: 98.544 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 73 Resp: 63993

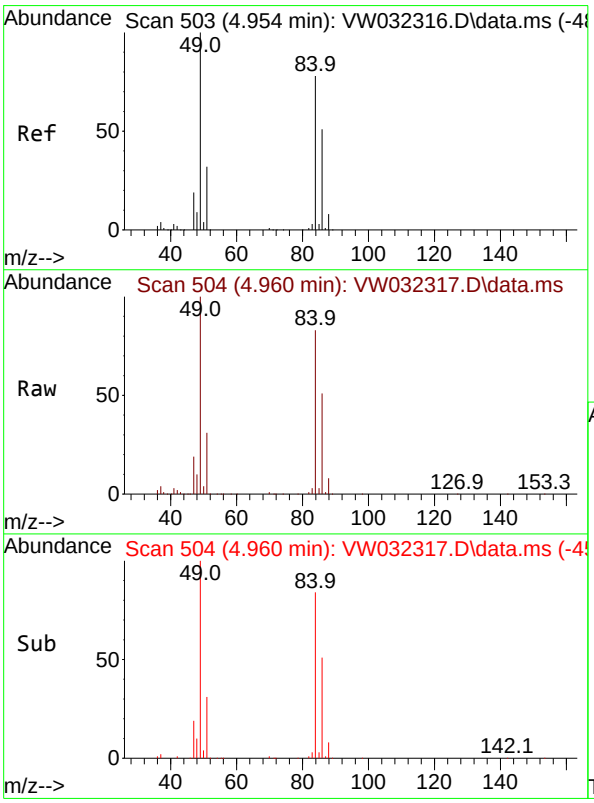
Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.2	24.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

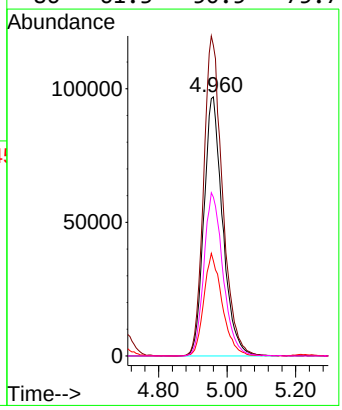
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

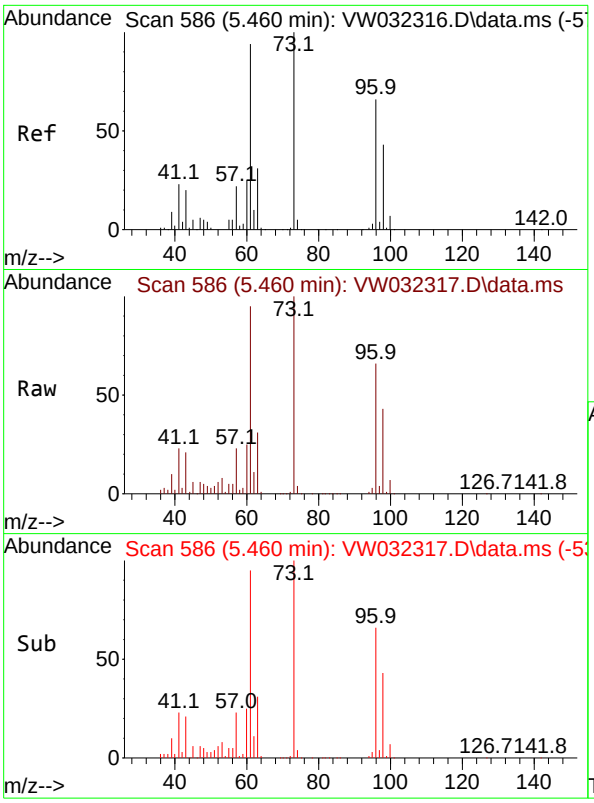


#20
Methylene Chloride
Concen: 99.471 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 84 Resp: 368359

Ion	Ratio	Lower	Upper
84	100		
49	119.8	92.2	138.4
51	36.6	31.0	46.6
86	61.3	50.5	75.7

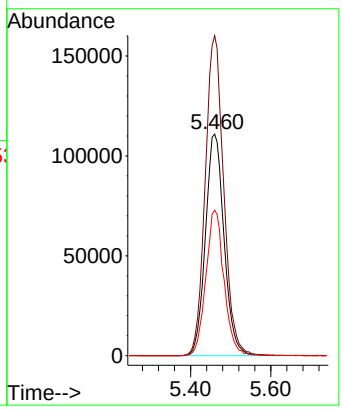




#21
trans-1,2-Dichloroethene
Concen: 98.197 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 96 Resp: 35845

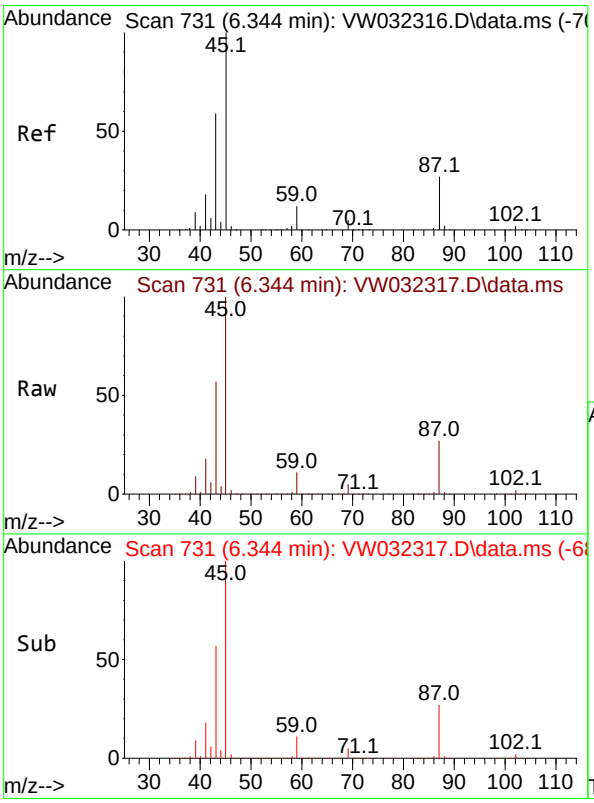
Ion	Ratio	Lower	Upper
96	100		
61	144.4	112.5	168.7
98	65.6	54.2	81.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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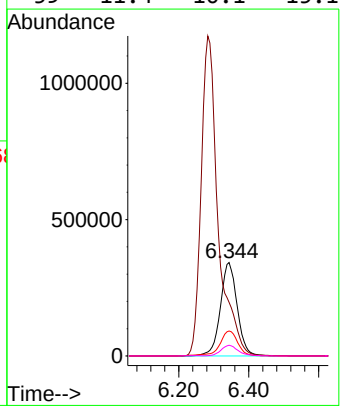
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

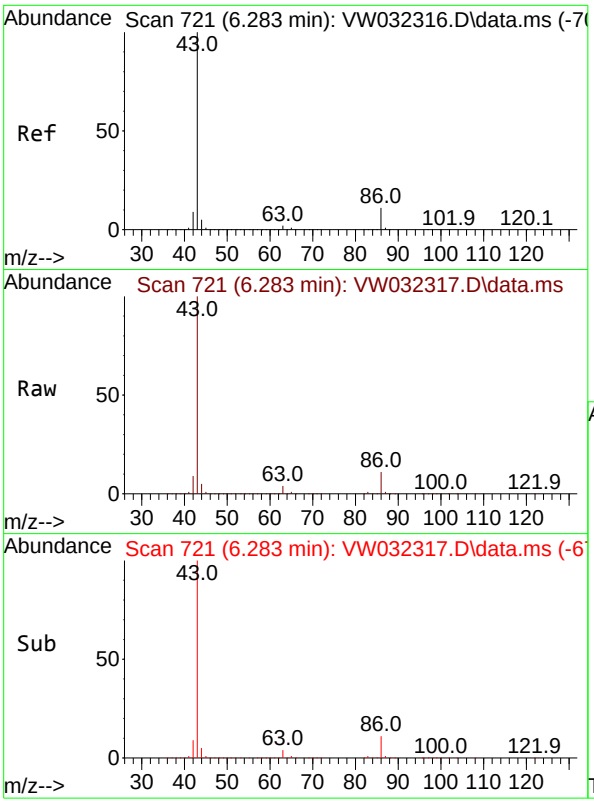


#22
Diisopropyl ether
Concen: 98.558 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 45 Resp: 1141459

Ion	Ratio	Lower	Upper
45	100		
43	57.4	51.4	77.2
87	26.7	25.9	38.9
59	11.4	10.1	15.1





#23
Vinyl Acetate
Concen: 510.205 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

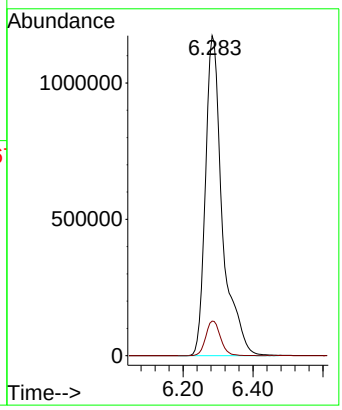
Tgt Ion: 43 Resp: 394682

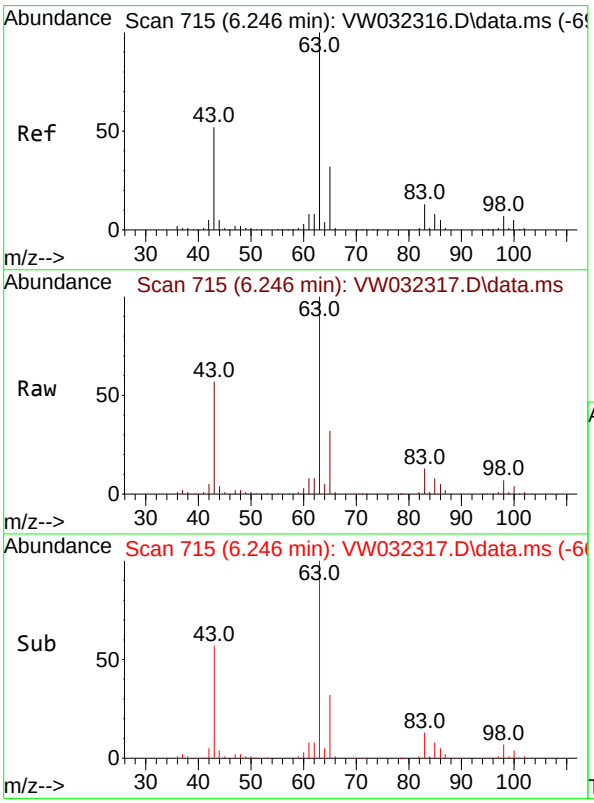
Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.8	13.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

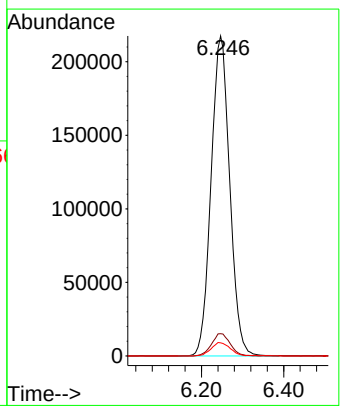


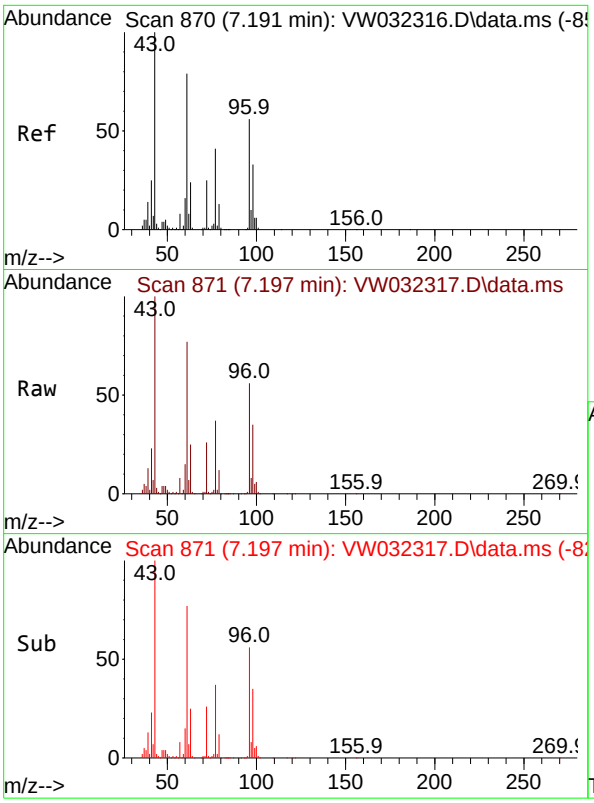


#24
1,1-Dichloroethane
Concen: 97.173 ug/l
RT: 6.246 min Scan# 715
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 63 Resp: 683736

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.1	2.5	7.5





#25
2-Butanone
Concen: 476.718 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

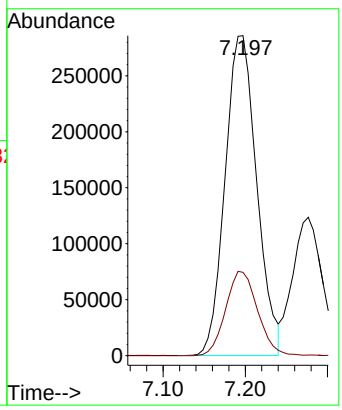
Tgt Ion: 43 Resp: 76710

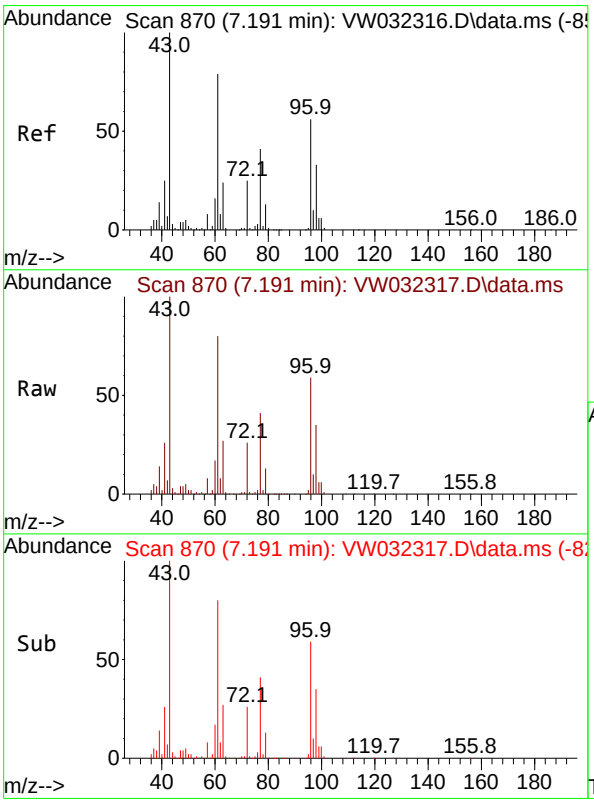
Ion	Ratio	Lower	Upper
43	100		
72	26.1	21.4	32.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

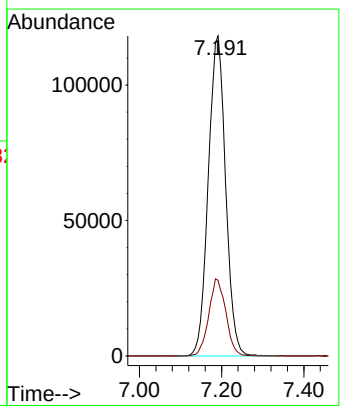


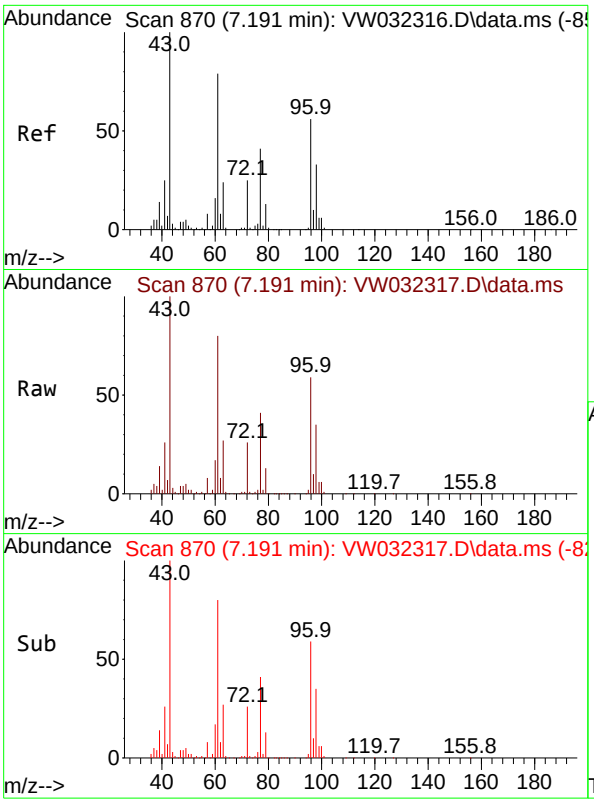


#26
2,2-Dichloropropane
Concen: 95.948 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 77 Resp: 345332

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.9	35.5





#27
cis-1,2-Dichloroethene
Concen: 98.767 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

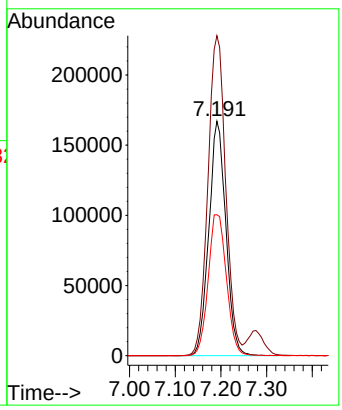
Tgt Ion: 96 Resp: 43312

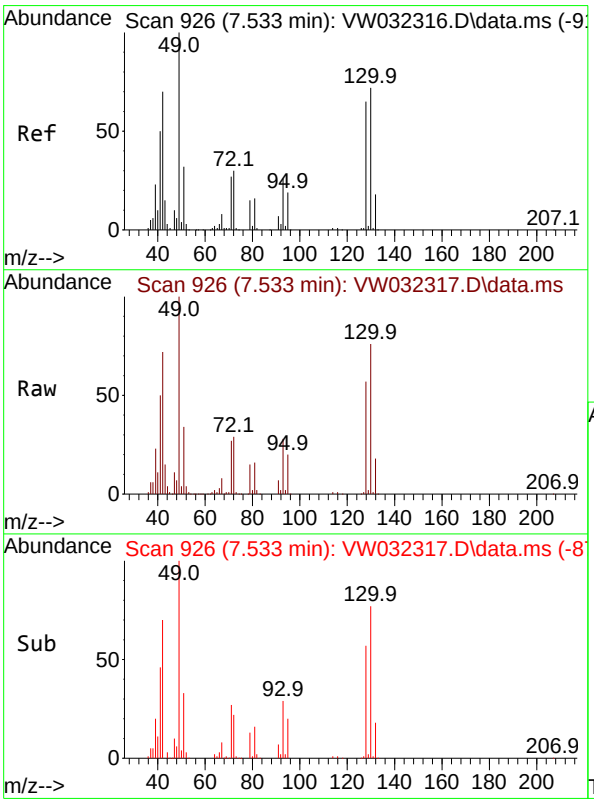
Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	268.0
98	64.4	0.0	130.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

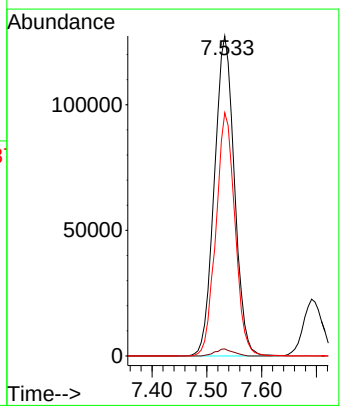


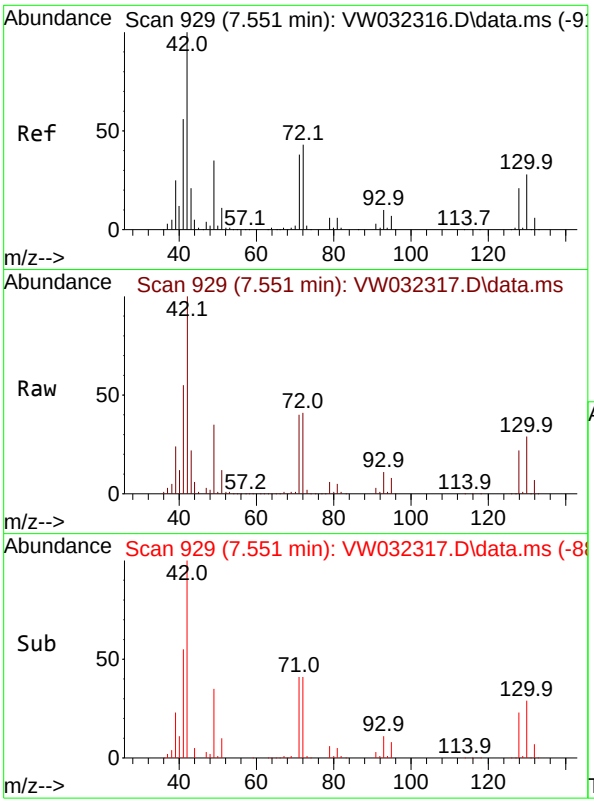


#28
Bromochloromethane
Concen: 97.732 ug/l
RT: 7.533 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 49 Resp: 323538

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	72.2	67.5	101.3





#29
Tetrahydrofuran
Concen: 493.149 ug/l
RT: 7.551 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

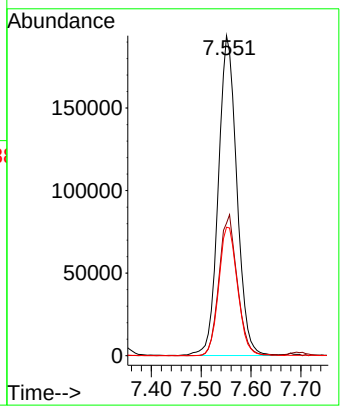
Tgt Ion: 42 Resp: 49903

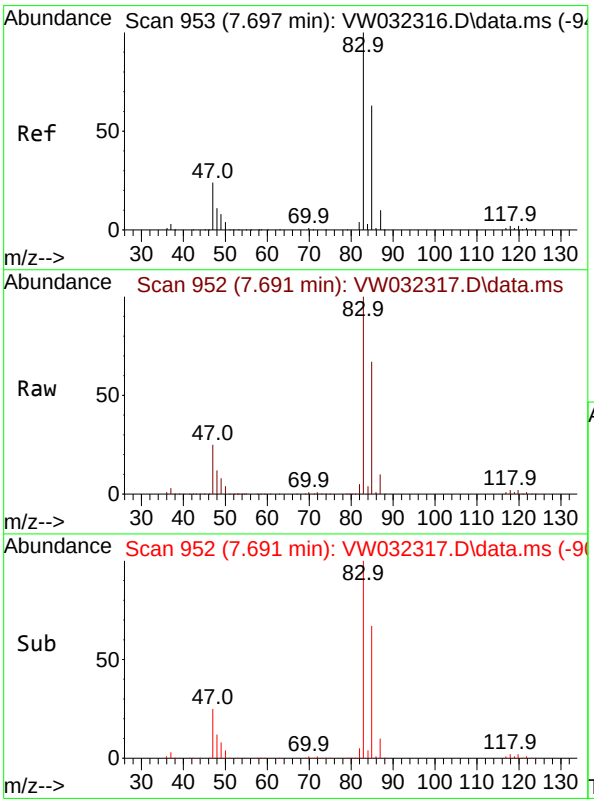
Ion	Ratio	Lower	Upper
42	100		
72	43.4	37.4	56.2
71	41.1	36.0	54.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

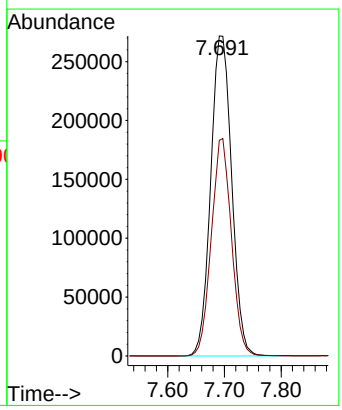


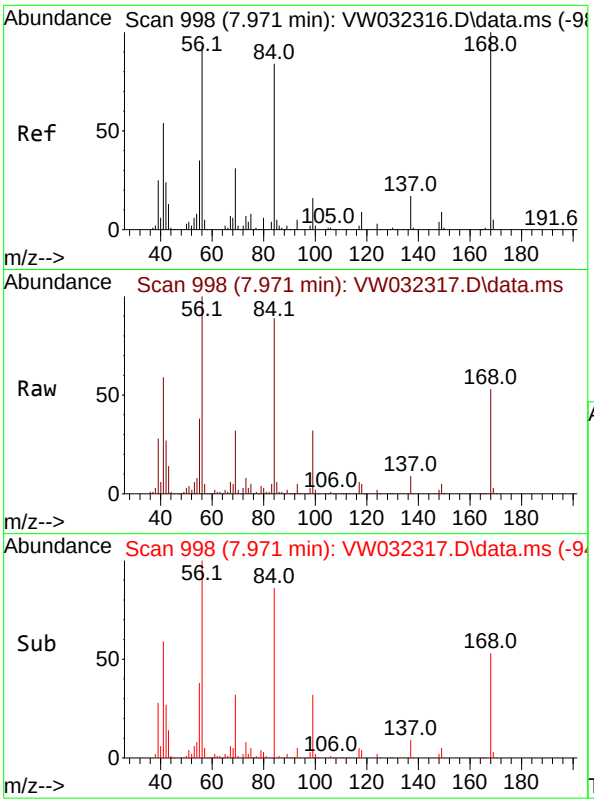


#30
Chloroform
Concen: 97.676 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 83 Resp: 697012

Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.2	76.8

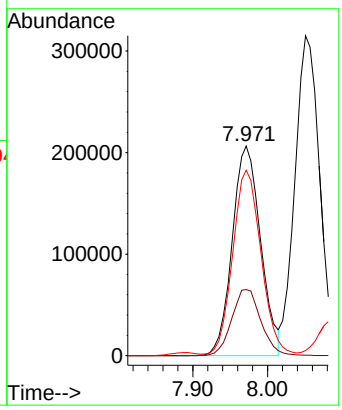




#31
Cyclohexane
Concen: 90.699 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 56 Resp: 54482

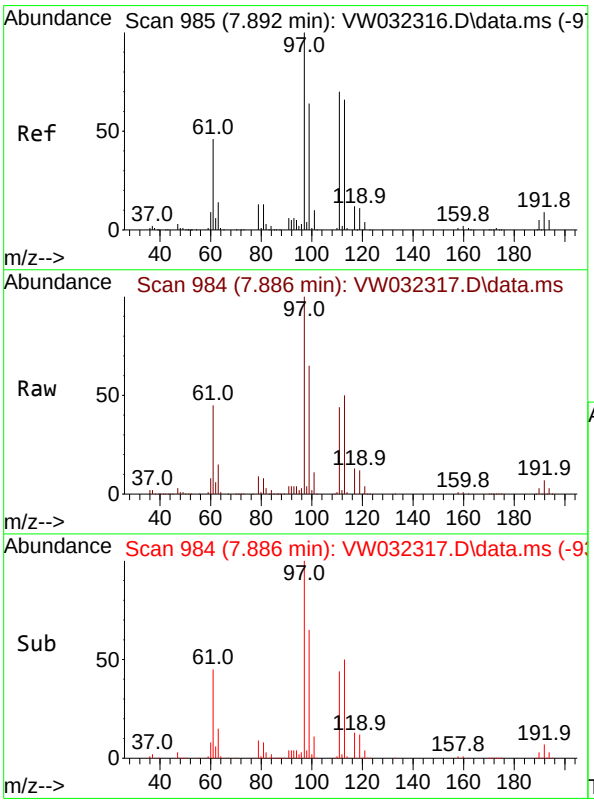
Ion	Ratio	Lower	Upper
56	100		
69	31.6	27.7	41.5
84	87.2	74.6	112.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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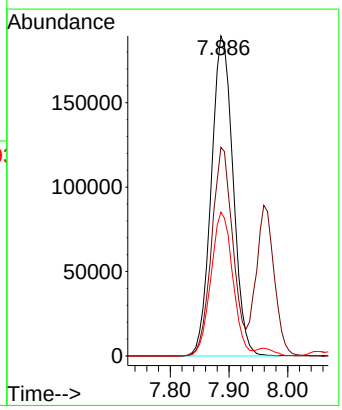
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

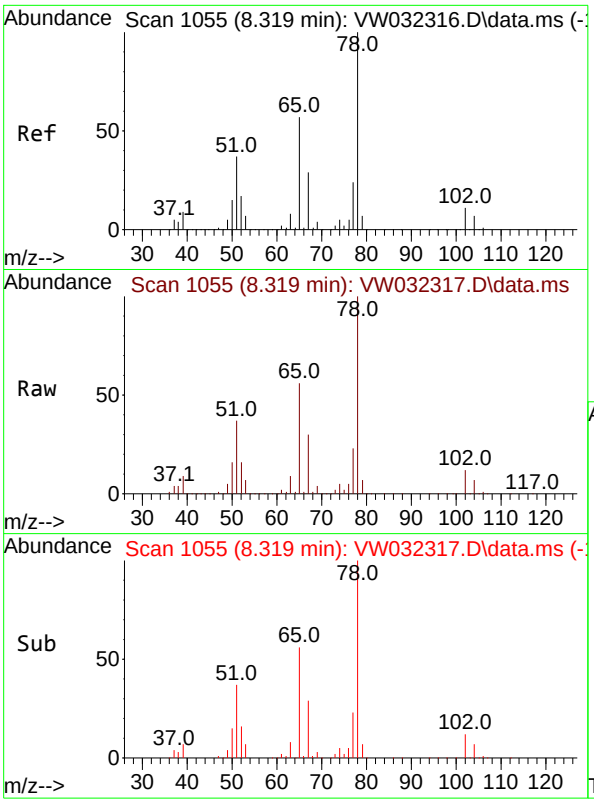


#32
1,1,1-Trichloroethane
Concen: 96.637 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 97 Resp: 488662

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	45.2	36.2	54.4

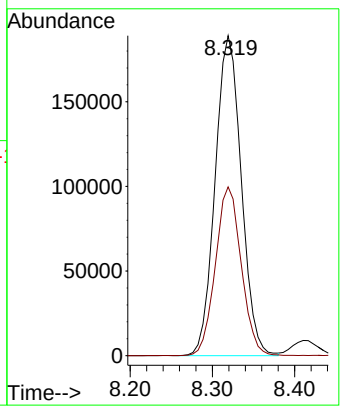




#33
1,2-Dichloroethane-d4
Concen: 97.841 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 65 Resp: 41748

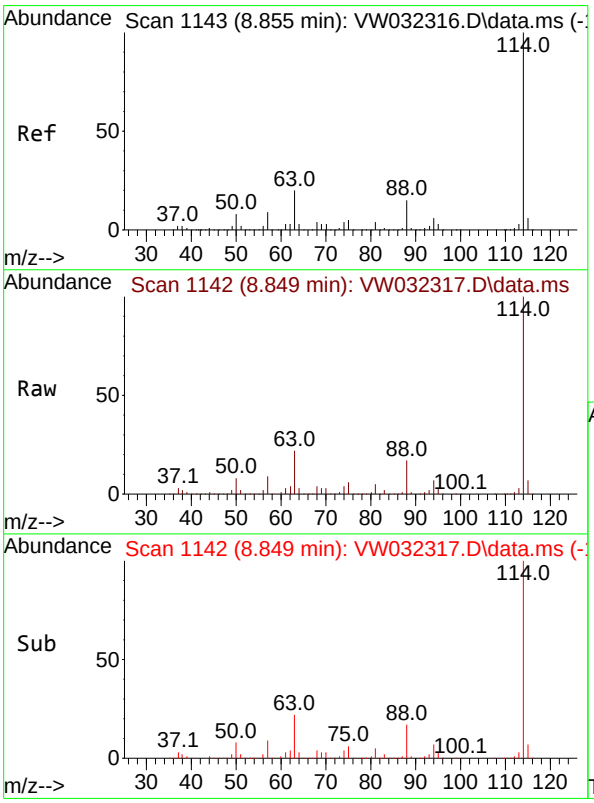
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	99.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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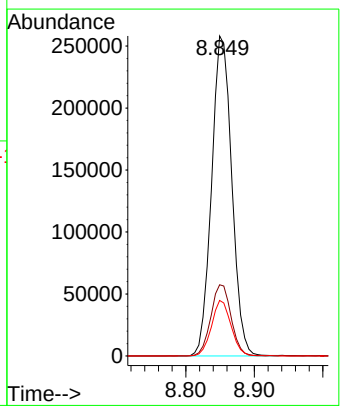
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

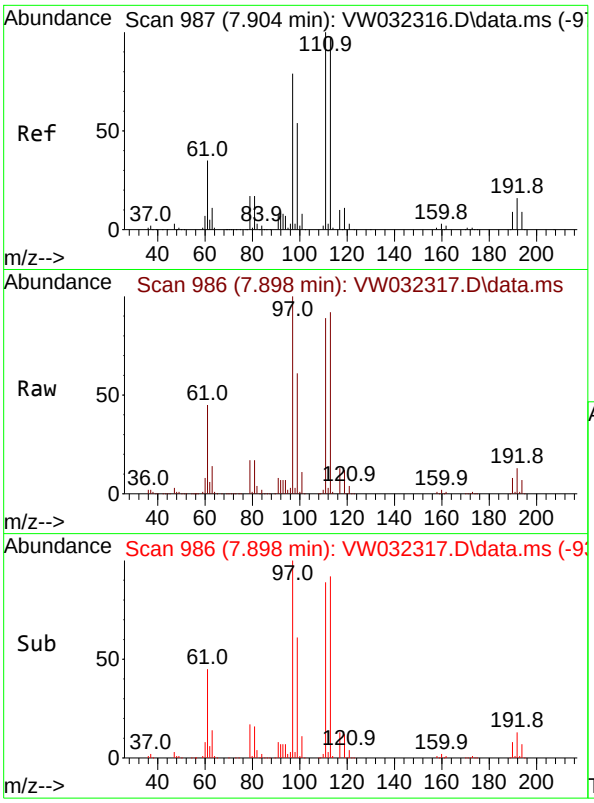


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:114 Resp: 528901

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	40.4
88	17.4	0.0	32.0





#35
Dibromofluoromethane
Concen: 102.349 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

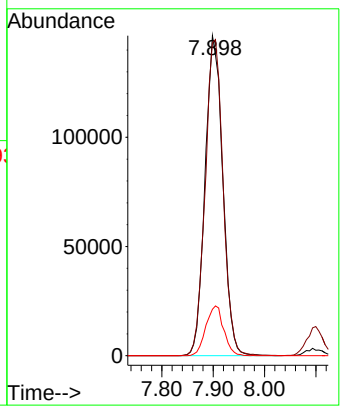
Tgt Ion:113 Resp: 35056

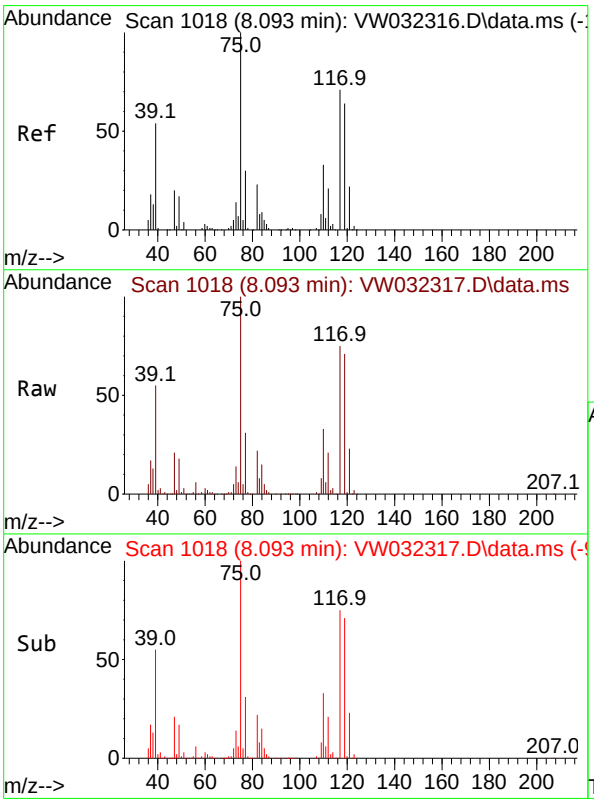
Ion	Ratio	Lower	Upper
113	100		
111	100.1	83.9	125.9
192	15.6	14.6	21.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

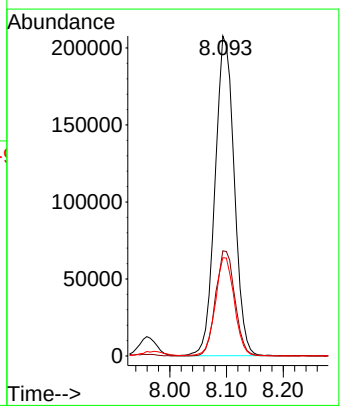


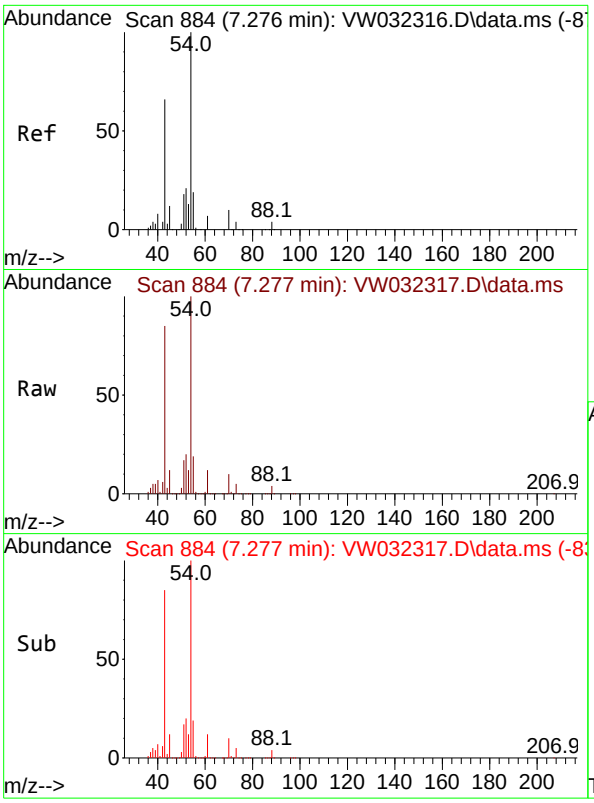


#36
1,1-Dichloropropene
Concen: 100.644 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 75 Resp: 486510

Ion	Ratio	Lower	Upper
75	100		
110	33.1	17.5	52.5
77	30.7	24.1	36.1





#37
Ethyl Acetate
Concen: 100.344 ug/l
RT: 7.277 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

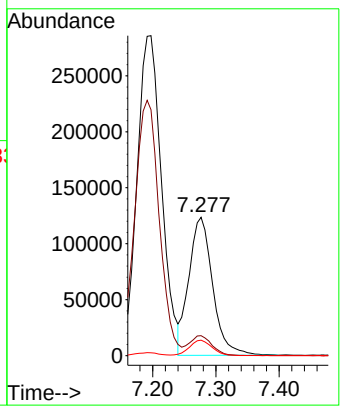
Tgt Ion: 43 Resp: 32286

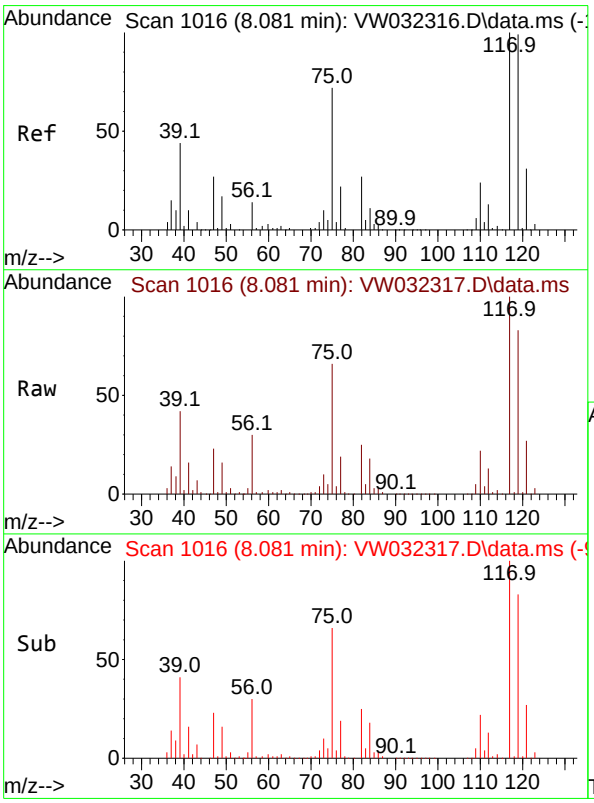
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.3	16.9
70	10.4	8.9	13.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

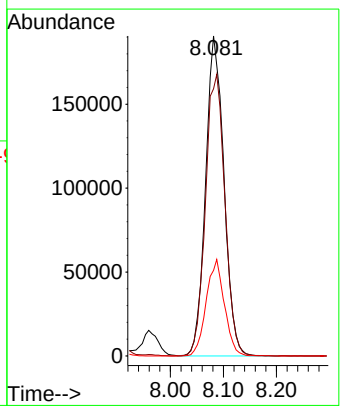


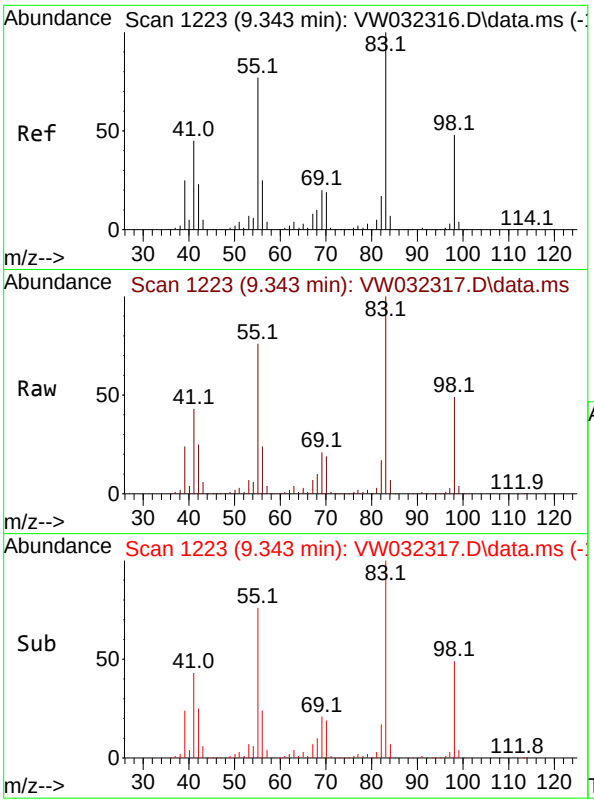


#38
Carbon Tetrachloride
Concen: 100.845 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:117 Resp: 458732

Ion	Ratio	Lower	Upper
117	100		
119	83.5	74.2	111.2
121	26.8	25.6	38.4





#39
Methylcyclohexane
Concen: 103.099 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

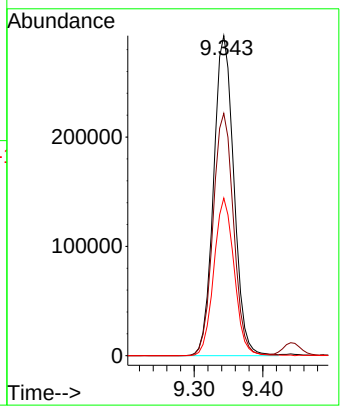
Tgt Ion: 83 Resp: 60115

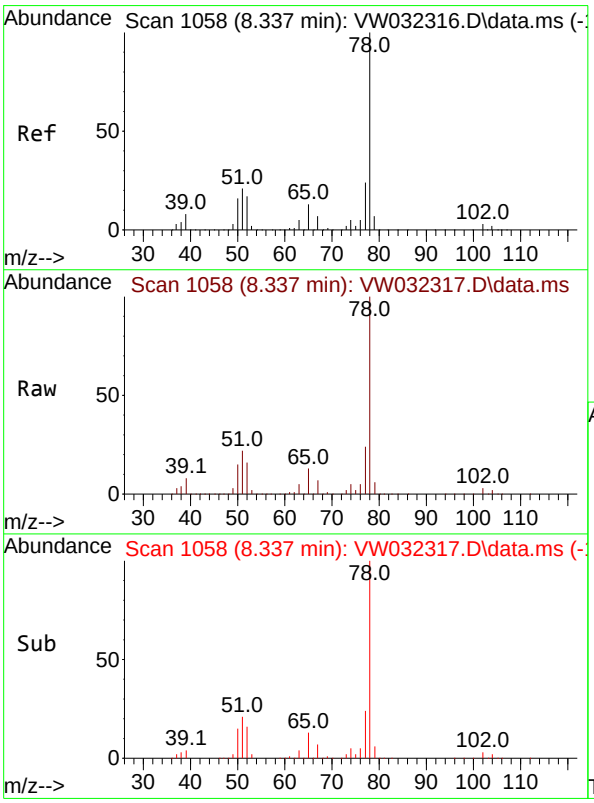
Ion	Ratio	Lower	Upper
83	100		
55	75.7	58.4	87.6
98	49.3	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

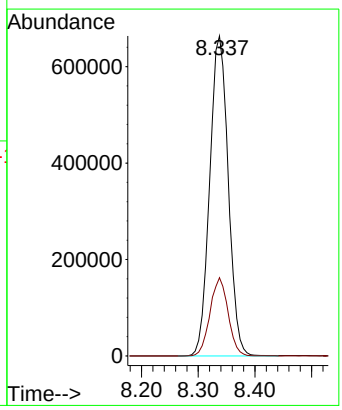


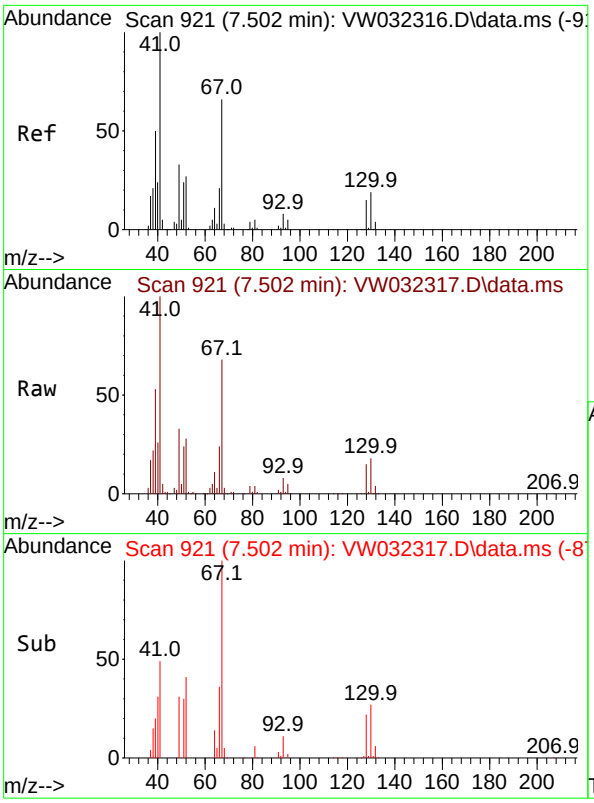


#40
Benzene
Concen: 99.416 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 78 Resp: 1506339

Ion	Ratio	Lower	Upper
78	100		
77	24.4	20.7	31.1

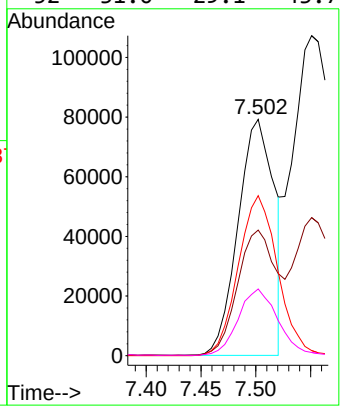




#41
Methacrylonitrile
Concen: 104.404 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 41 Resp: 18103

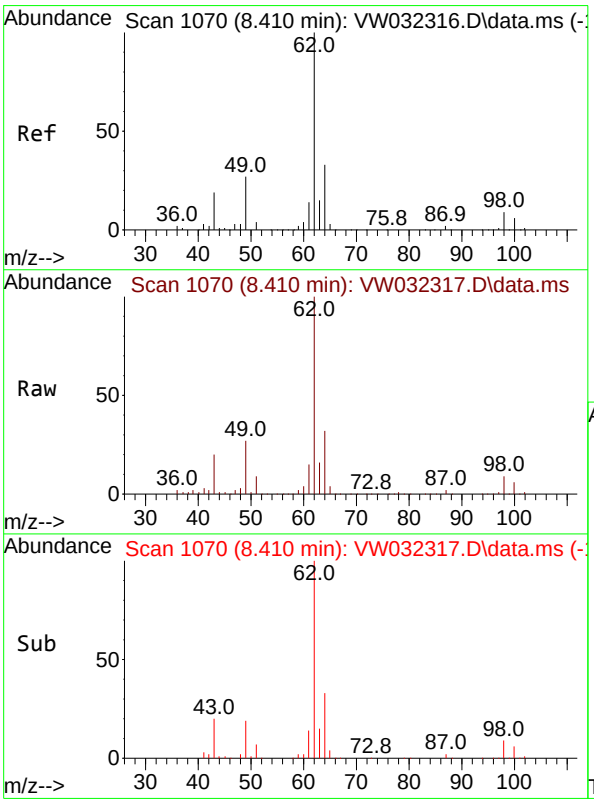
Ion	Ratio	Lower	Upper
41	100		
39	59.2	50.9	76.3
67	74.5	65.6	98.4
52	31.0	29.1	43.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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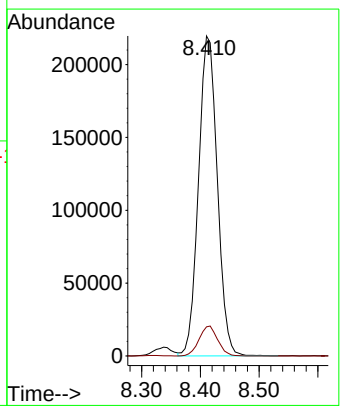
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

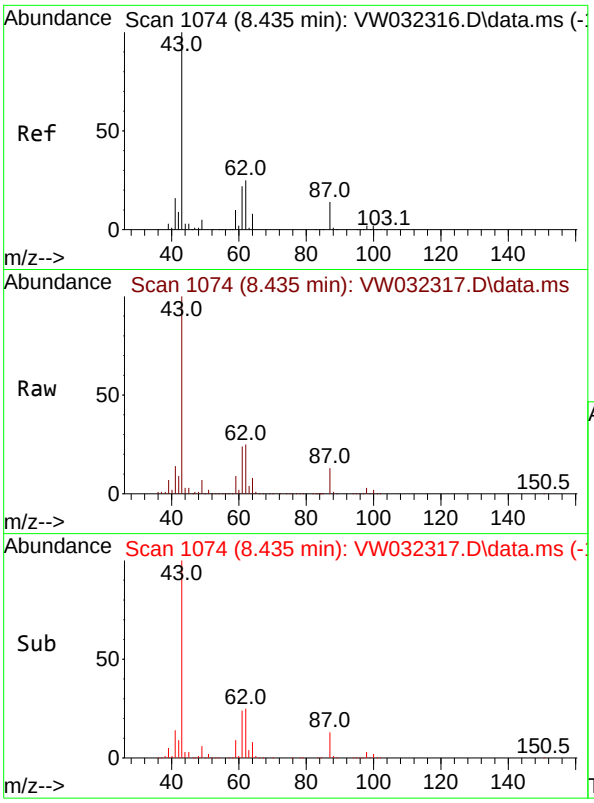


#42
1,2-Dichloroethane
Concen: 98.363 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 62 Resp: 487667

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0





#43
Isopropyl Acetate
Concen: 104.746 ug/l
RT: 8.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

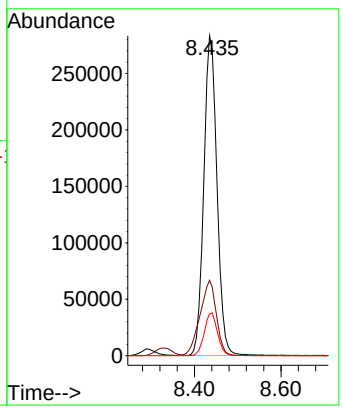
Tgt Ion: 43 Resp: 59787

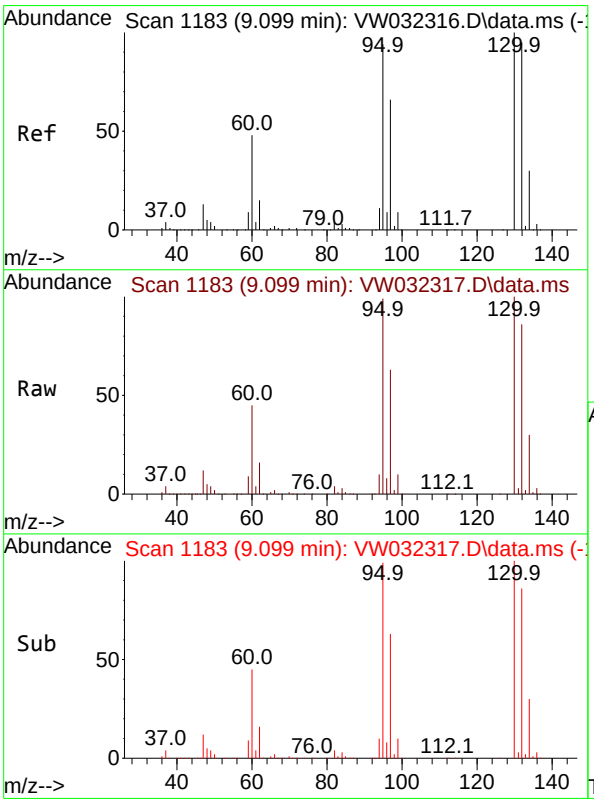
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.3	34.9
87	13.5	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

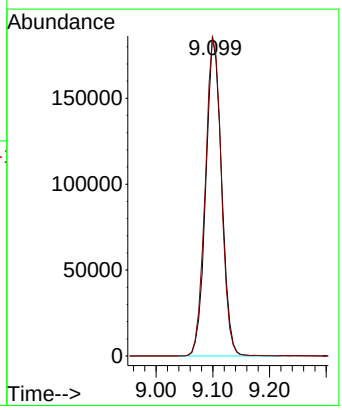


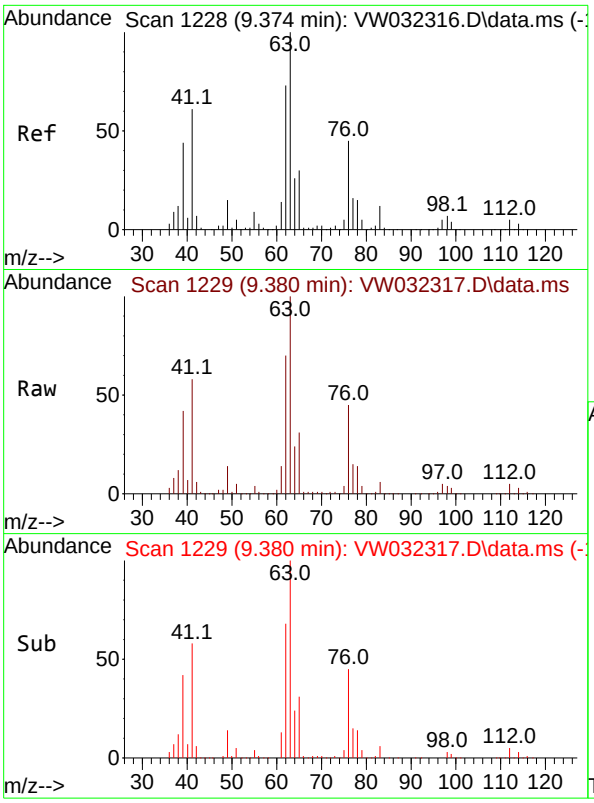


#44
Trichloroethene
Concen: 101.217 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:130 Resp: 359102

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	220.0





#45
1,2-Dichloropropane
Concen: 99.234 ug/l
RT: 9.380 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

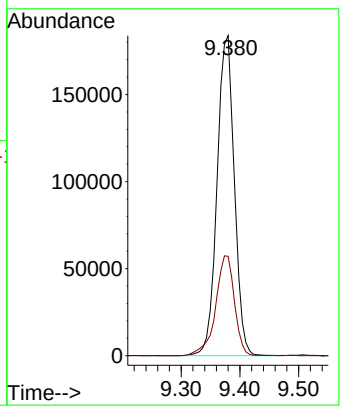
Tgt Ion: 63 Resp: 37530

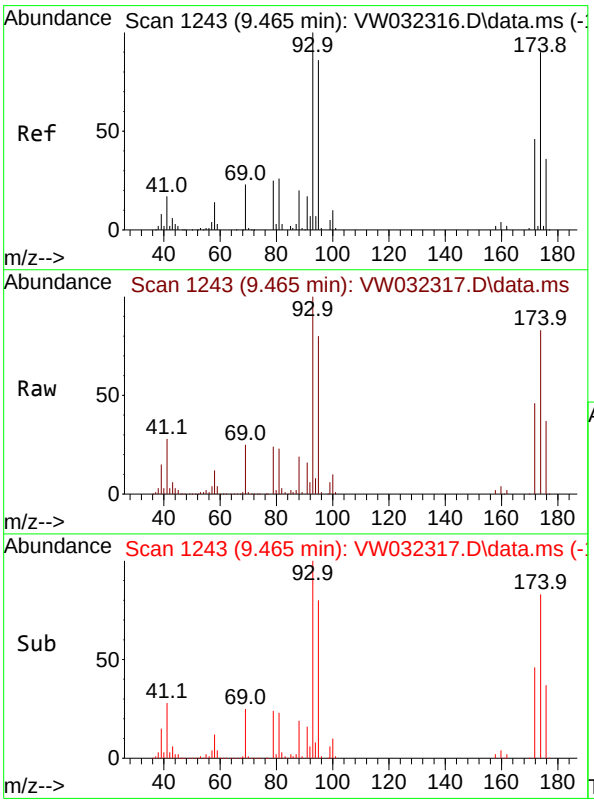
Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.3	36.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

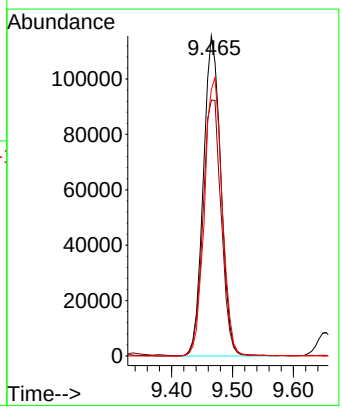


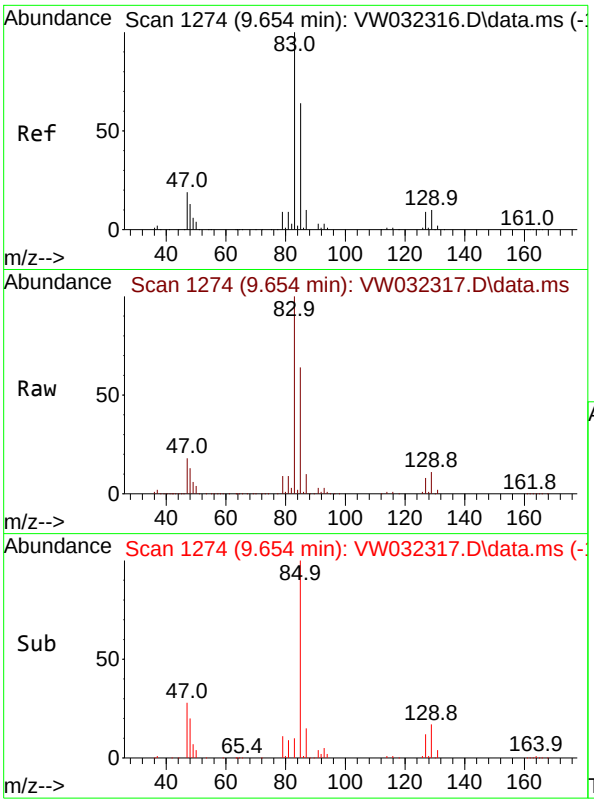


#46
Dibromomethane
Concen: 99.495 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 93 Resp: 231385

Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.4	101.2
174	87.8	75.7	113.5

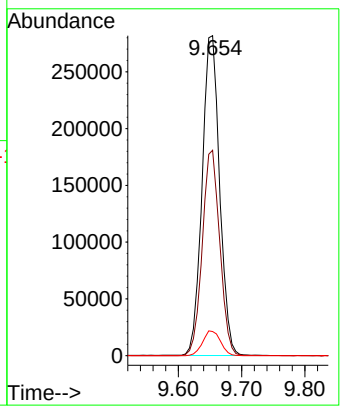




#47
Bromodichloromethane
Concen: 102.055 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 83 Resp: 54284

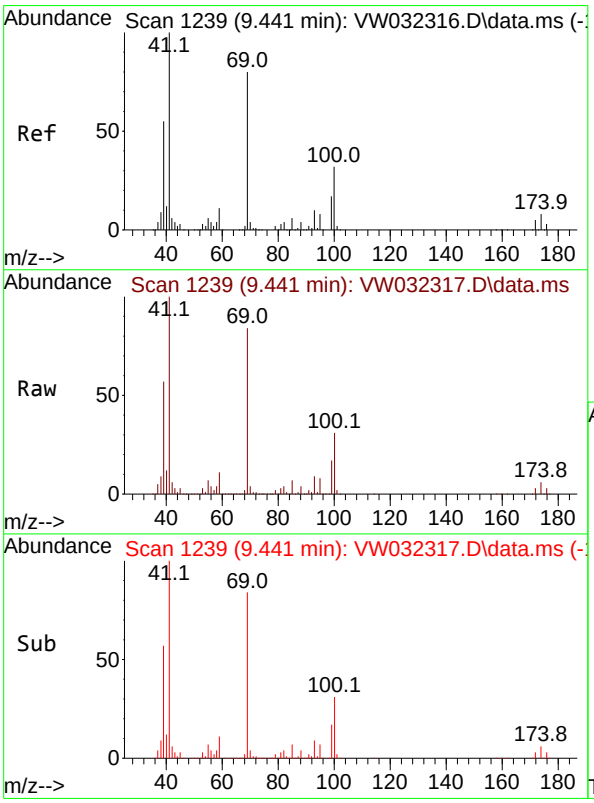
Ion	Ratio	Lower	Upper
83	100		
85	64.2	48.7	73.1
127	7.6	6.4	9.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

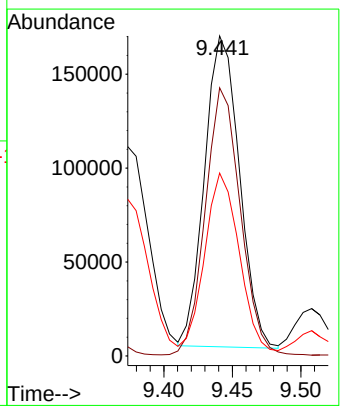
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

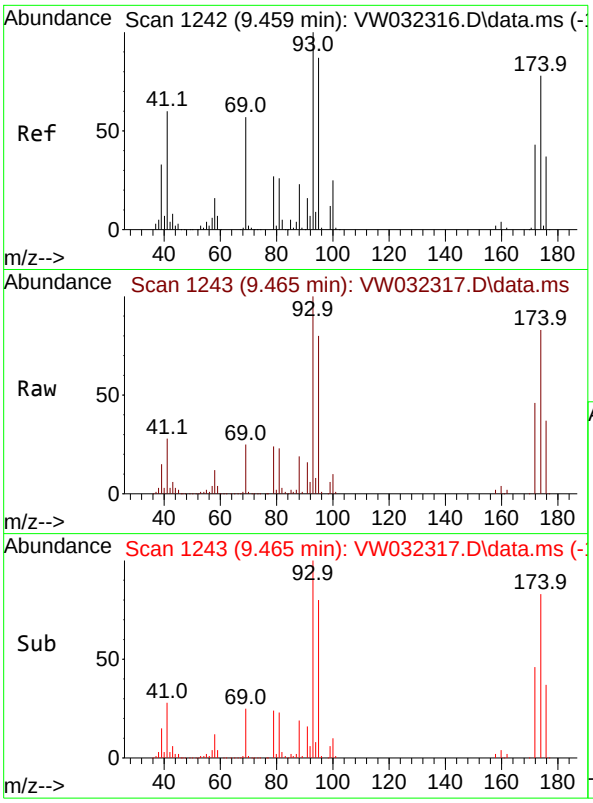


#48
Methyl methacrylate
Concen: 105.789 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 41 Resp: 293582

Ion	Ratio	Lower	Upper
41	100		
69	87.0	71.5	107.3
39	55.3	55.9	83.9#





#49
1,4-Dioxane
Concen: 2105.342 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

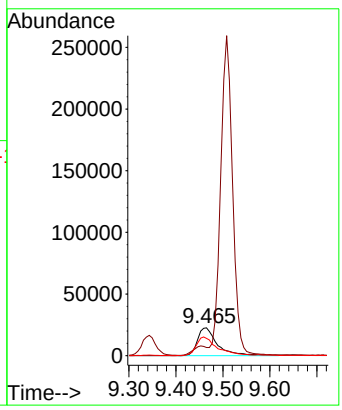
Tgt Ion: 88 Resp: 6692

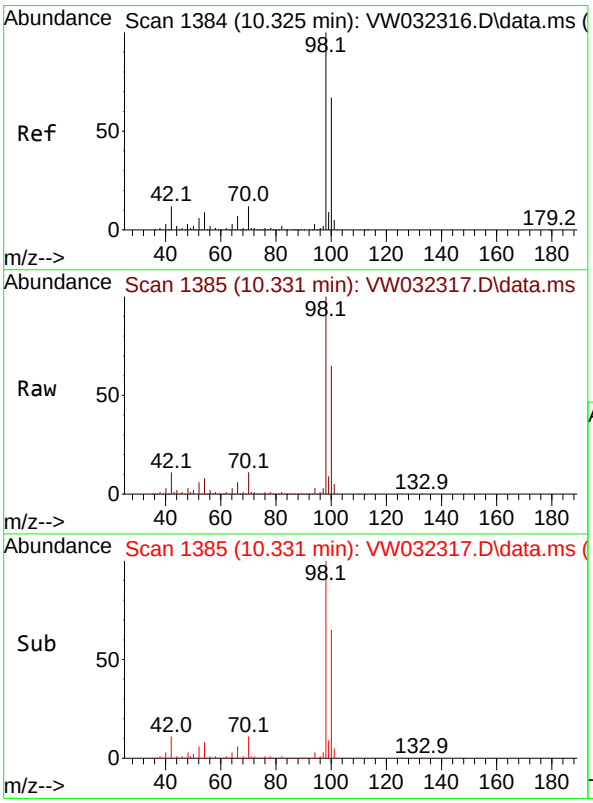
Ion	Ratio	Lower	Upper
88	100		
43	22.4	18.0	27.0
58	71.0	55.4	83.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

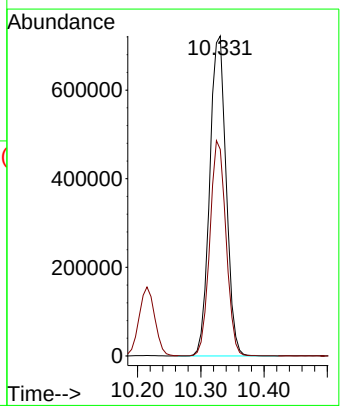


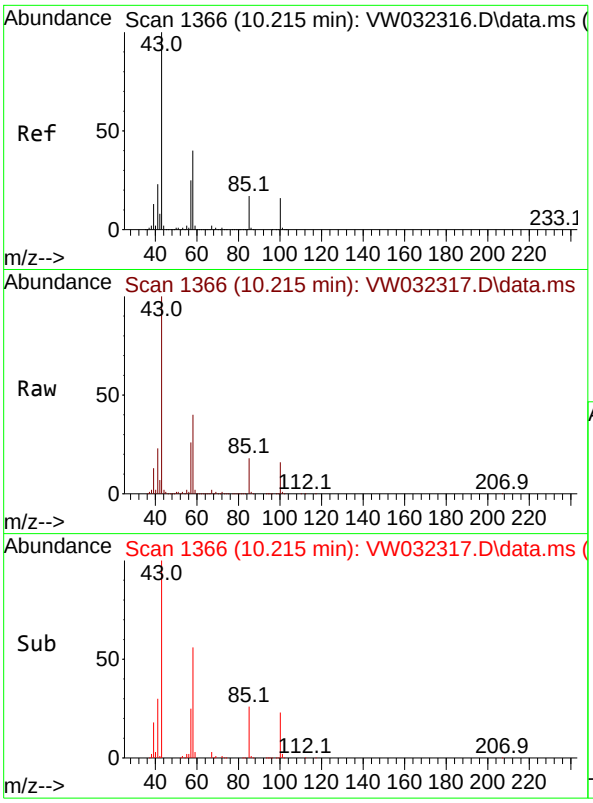


#50
Toluene-d8
Concen: 102.965 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 98 Resp: 1301655

Ion	Ratio	Lower	Upper
98	100		
100	66.3	51.4	77.2





#51
4-Methyl-2-Pentanone
Concen: 503.045 ug/l
RT: 10.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

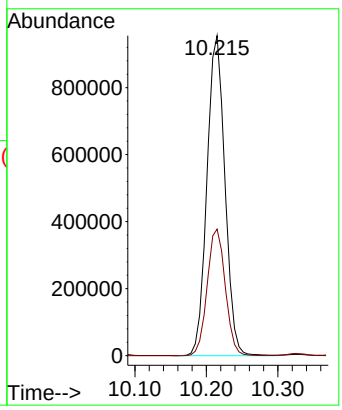
Tgt Ion: 43 Resp: 166307

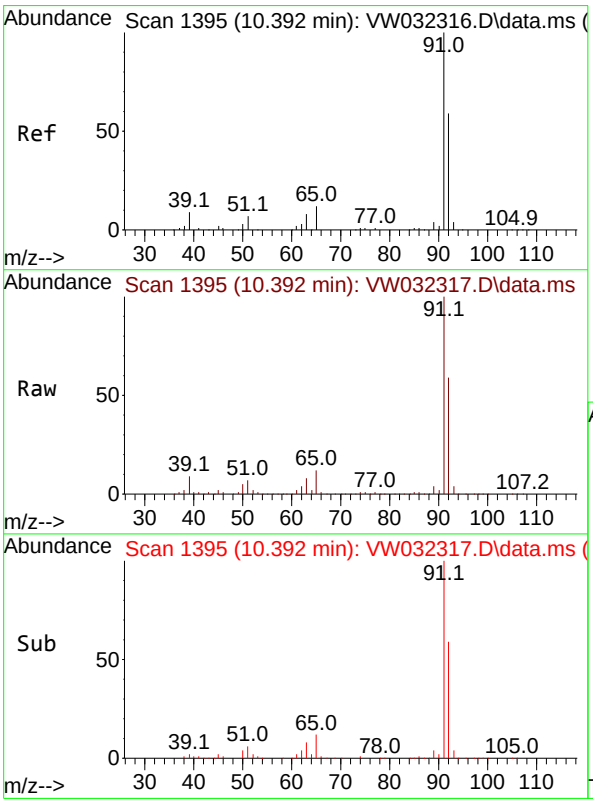
Ion	Ratio	Lower	Upper
43	100		
58	40.0	32.0	48.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

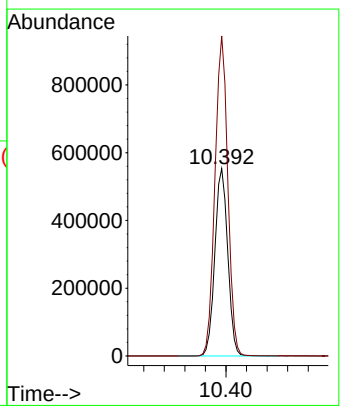


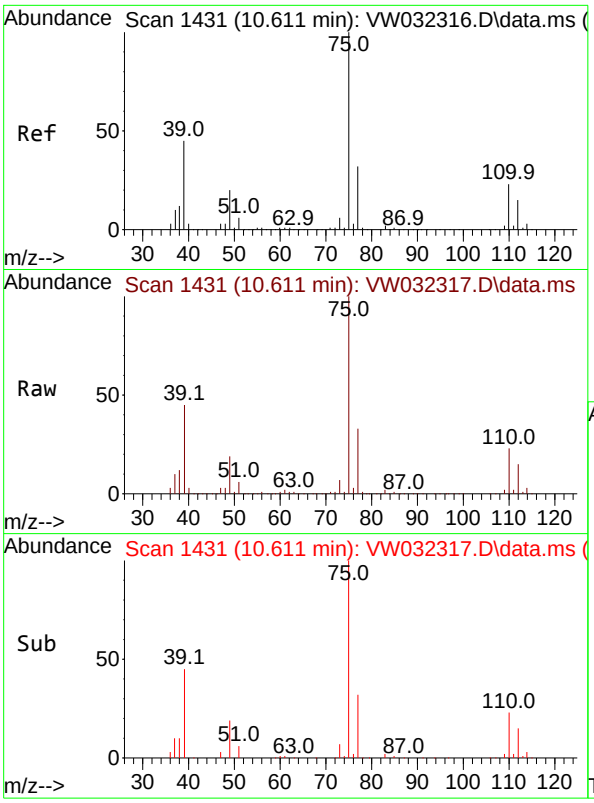


#52
Toluene
Concen: 101.843 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 92 Resp: 960973

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.5	206.3

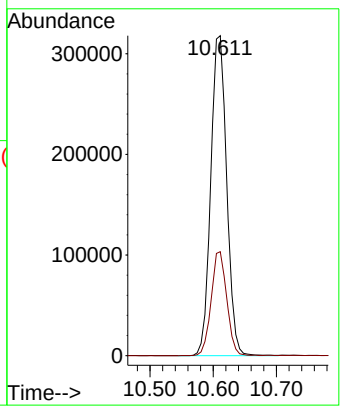




#53
t-1,3-Dichloropropene
Concen: 107.561 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 75 Resp: 55507

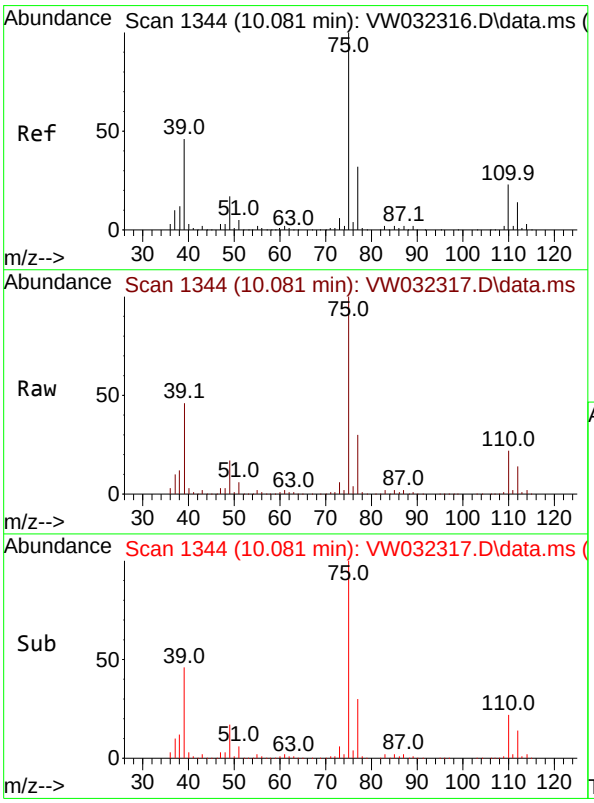
Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

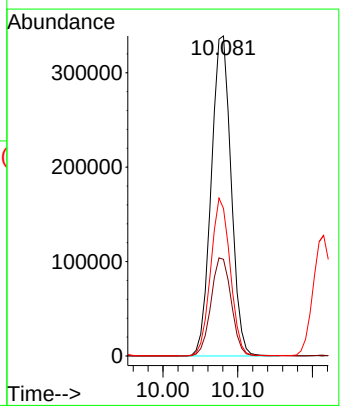
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

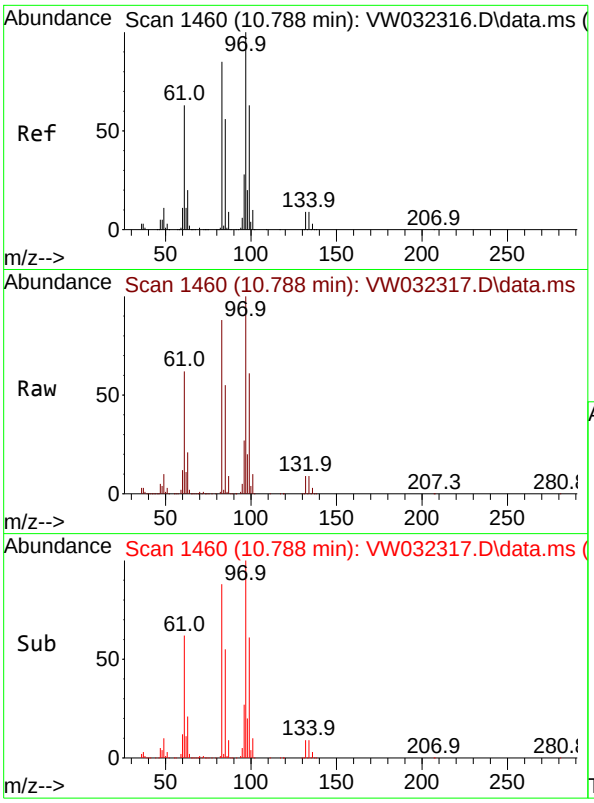


#54
cis-1,3-Dichloropropene
Concen: 105.188 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 75 Resp: 625271

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.1	37.7
39	46.1	43.2	64.8

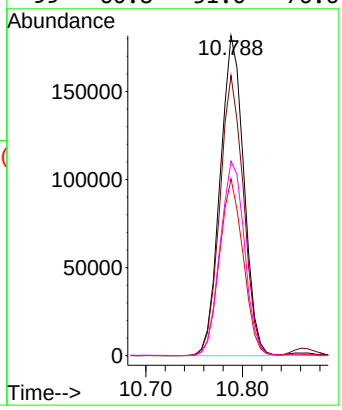




#55
1,1,2-Trichloroethane
Concen: 99.546 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 97 Resp: 30941

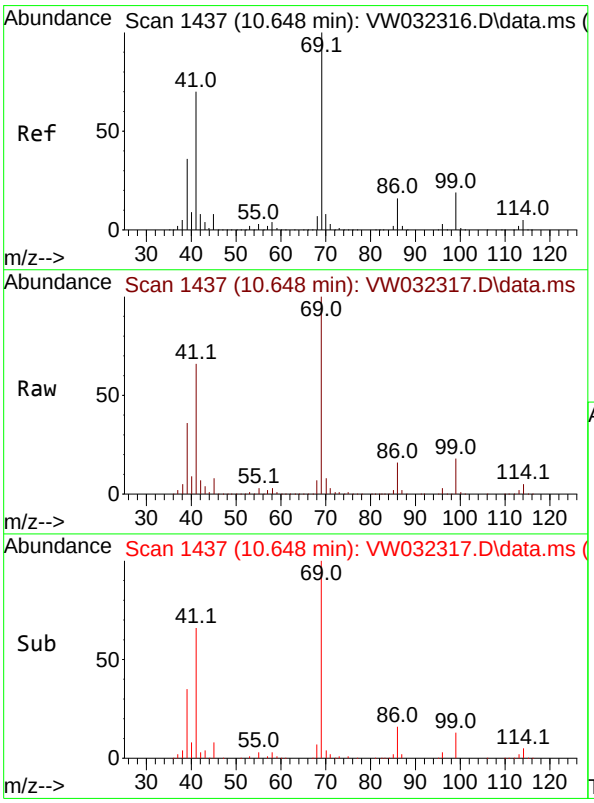
Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.0	106.6
85	55.3	42.8	64.2
99	60.8	51.0	76.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

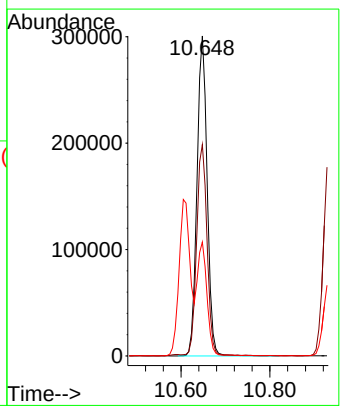
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

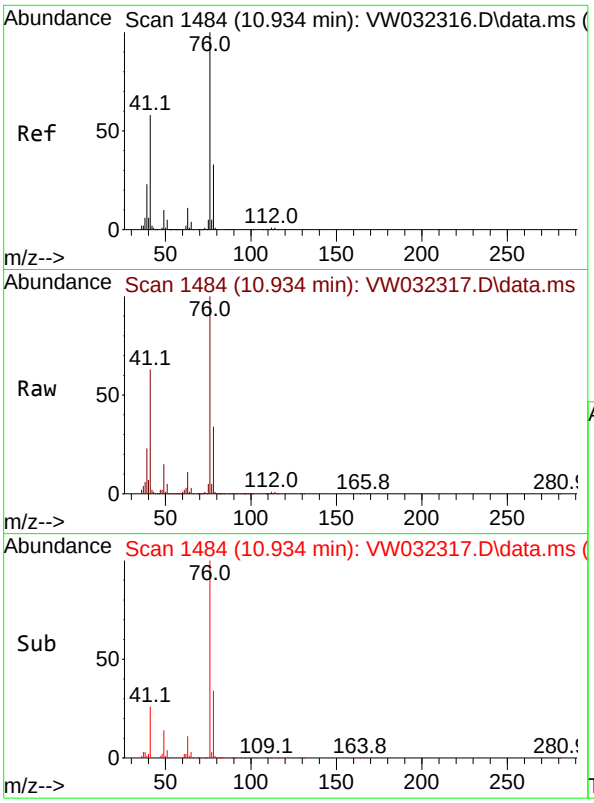


#56
Ethyl methacrylate
Concen: 109.686 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 69 Resp: 477191

Ion	Ratio	Lower	Upper
69	100		
41	67.0	53.2	79.8
39	33.6	32.9	49.3





#57
1,3-Dichloropropane
Concen: 99.997 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

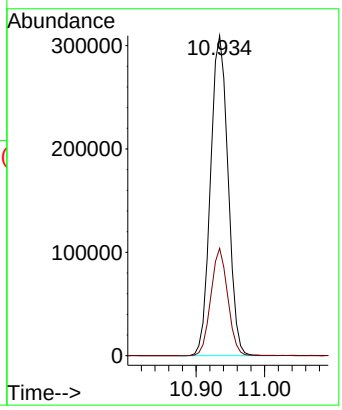
Tgt Ion: 76 Resp: 54895

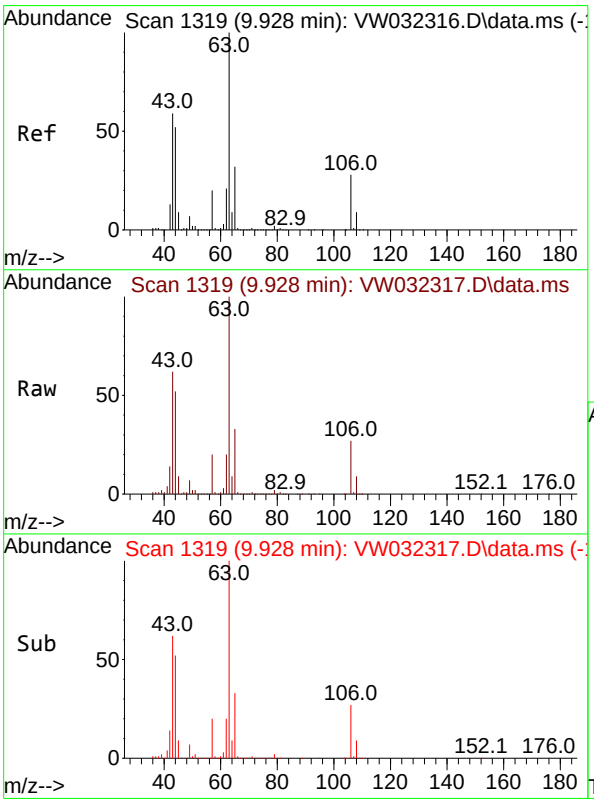
Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

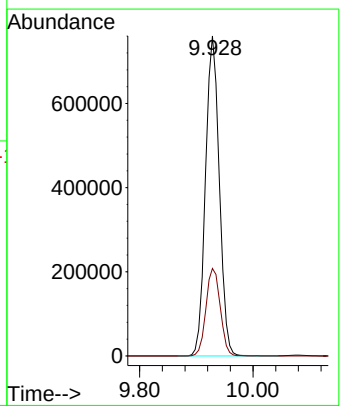


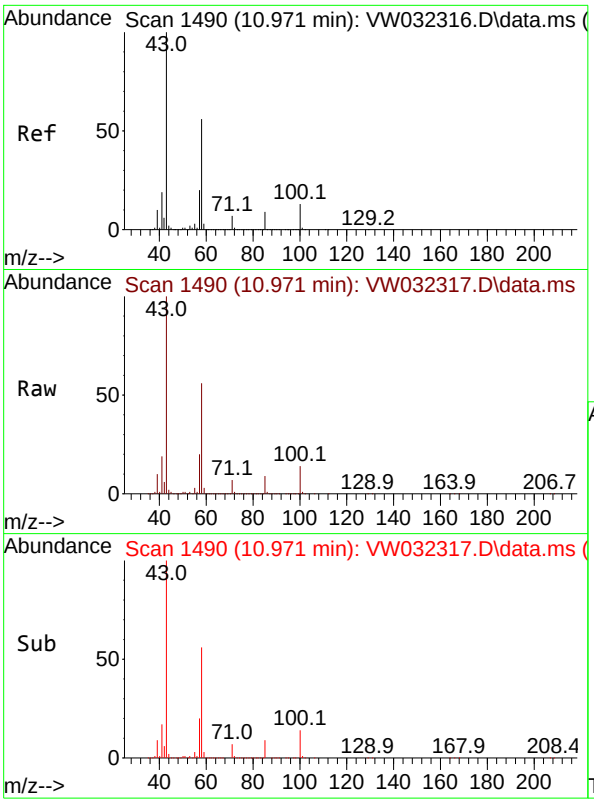


#58
2-Chloroethyl Vinyl ether
Concen: 554.092 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 63 Resp: 1282918

Ion	Ratio	Lower	Upper
63	100		
106	28.3	24.3	36.5





#59
2-Hexanone
Concen: 504.847 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

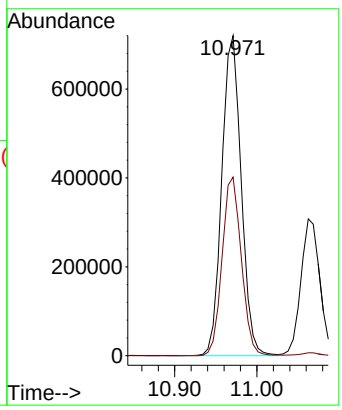
Tgt Ion: 43 Resp: 117714

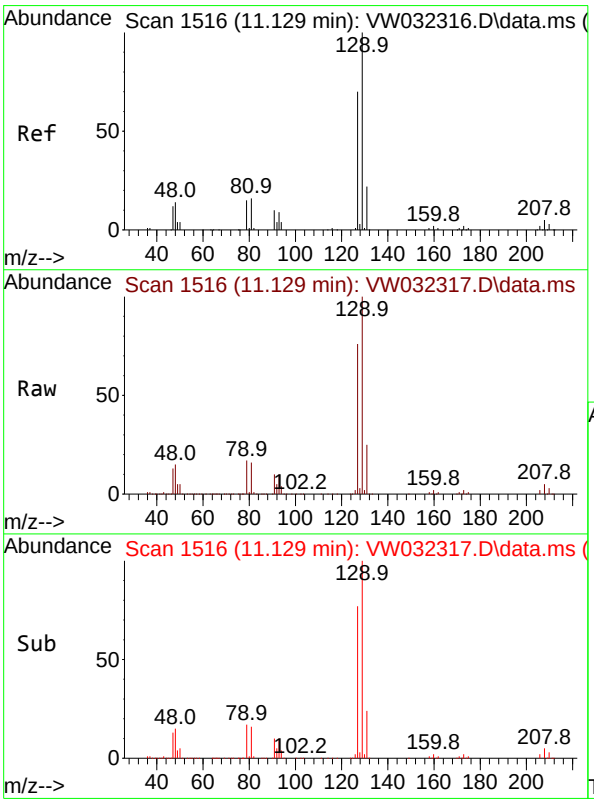
Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.5	82.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

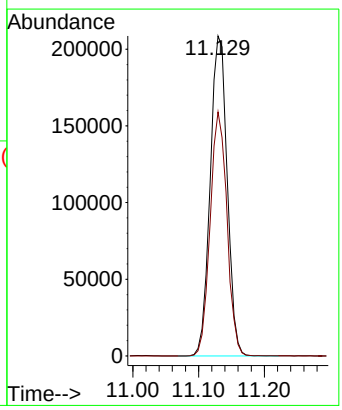


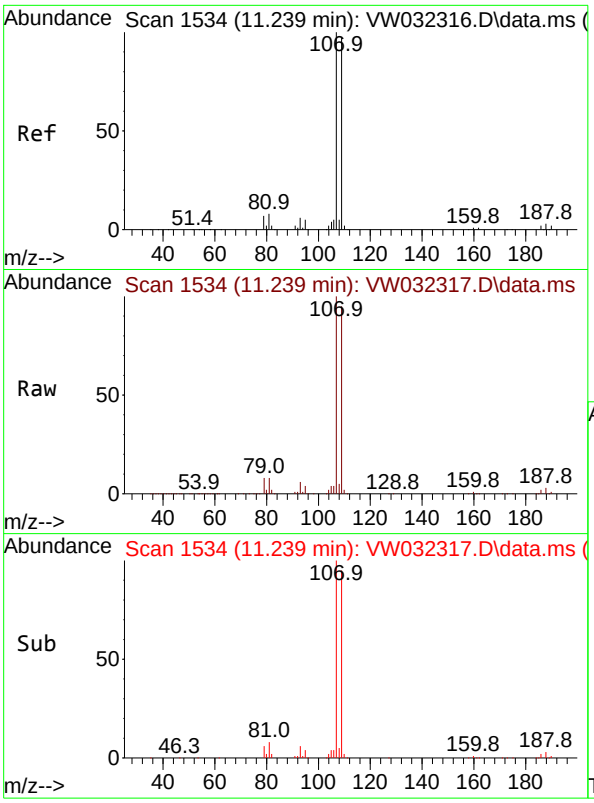


#60
Dibromochloromethane
Concen: 106.254 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:129 Resp: 375002

Ion	Ratio	Lower	Upper
129	100		
127	75.5	38.1	114.5

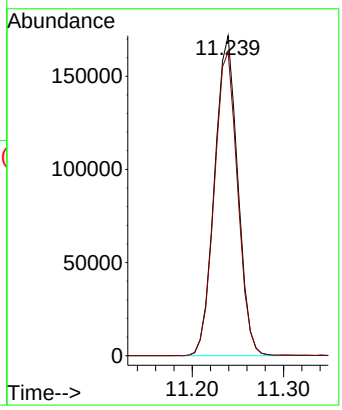




#61
1,2-Dibromoethane
Concen: 99.562 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:107 Resp: 30174

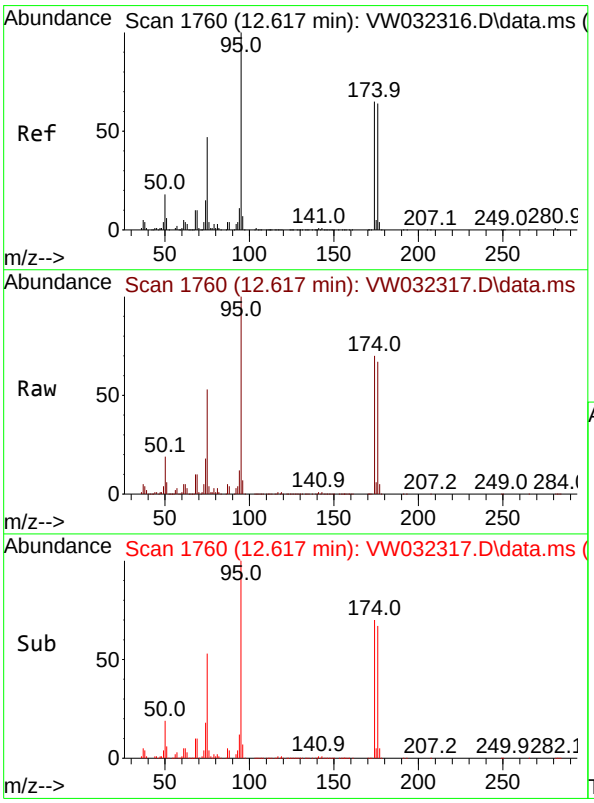
Ion	Ratio	Lower	Upper
107	100		
109	95.8	74.5	111.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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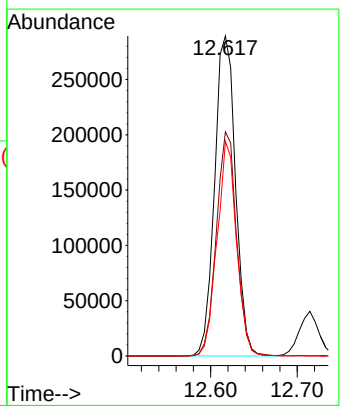
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

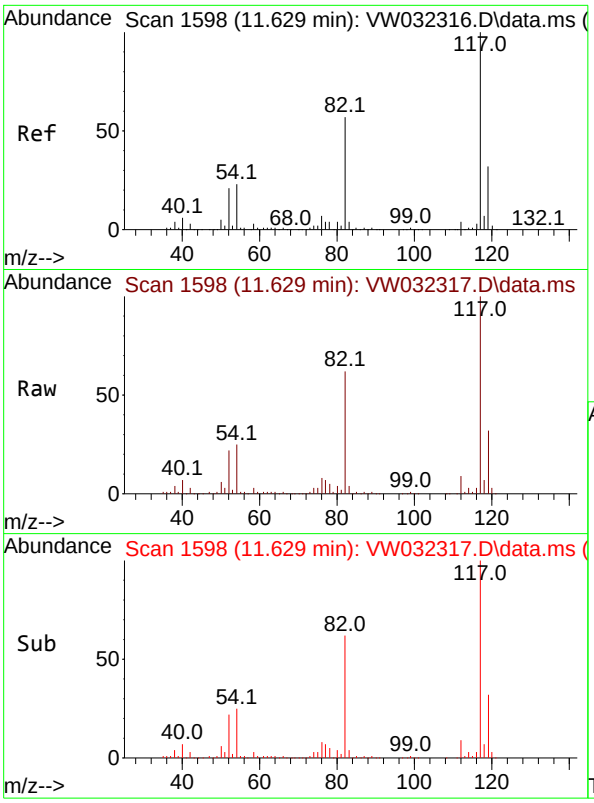


#62
4-Bromofluorobenzene
Concen: 101.586 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 95 Resp: 485396

Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	145.6
176	62.7	0.0	140.8

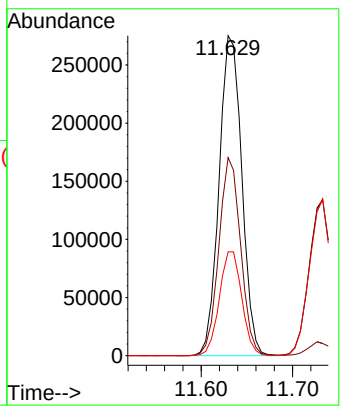




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:117 Resp: 47598

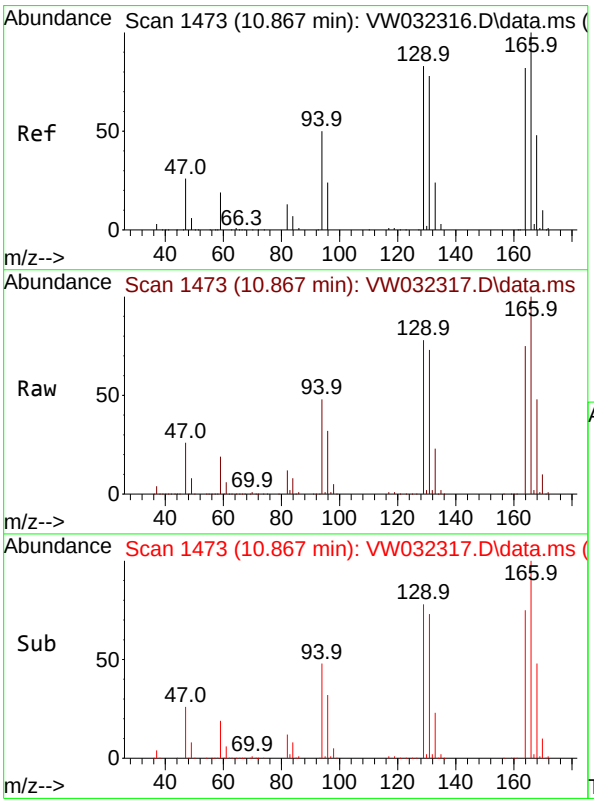
Ion	Ratio	Lower	Upper
117	100		
82	61.9	42.7	64.1
119	32.4	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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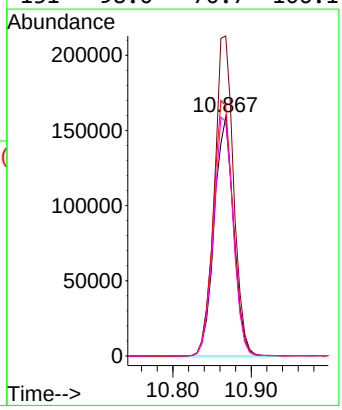
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

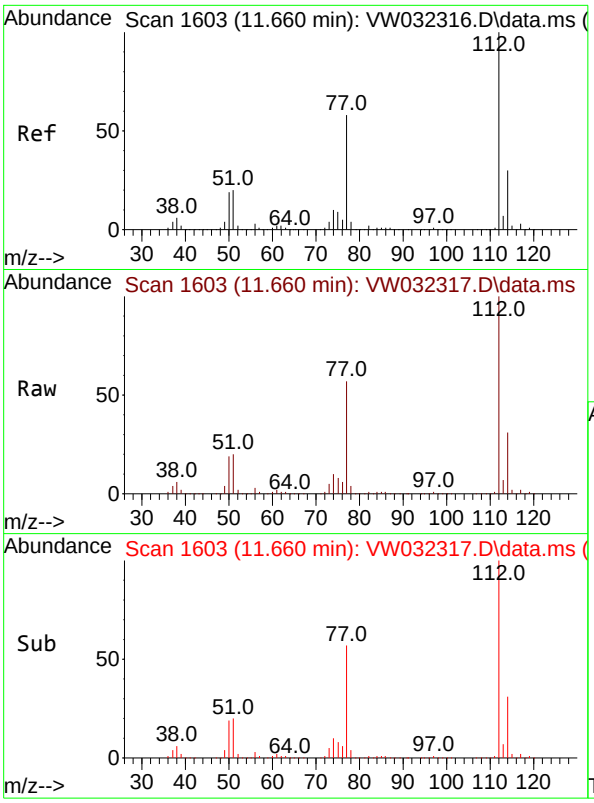


#64
Tetrachloroethene
Concen: 96.034 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:164 Resp: 273519

Ion	Ratio	Lower	Upper
164	100		
166	134.0	97.5	146.3
129	104.7	71.2	106.8
131	98.0	70.7	106.1





#65
Chlorobenzene
Concen: 99.469 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

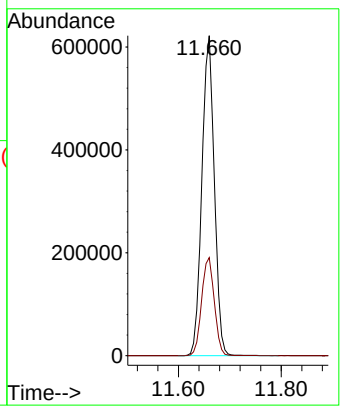
Tgt Ion:112 Resp: 104172

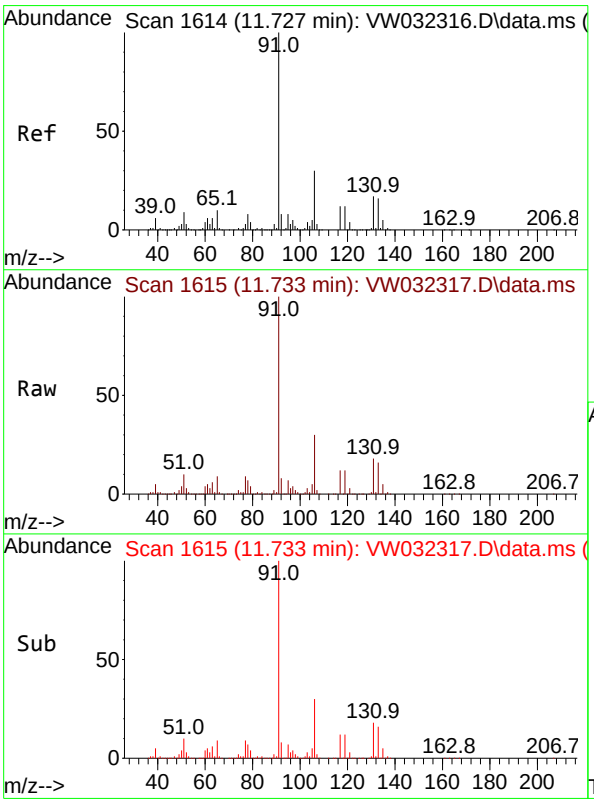
Ion	Ratio	Lower	Upper
112	100		
114	30.7	26.0	39.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

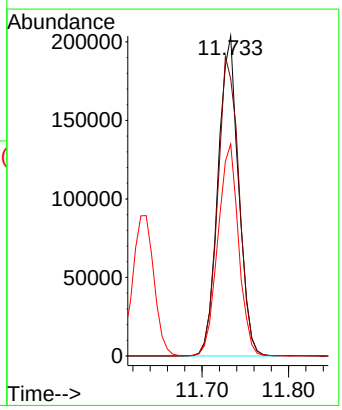


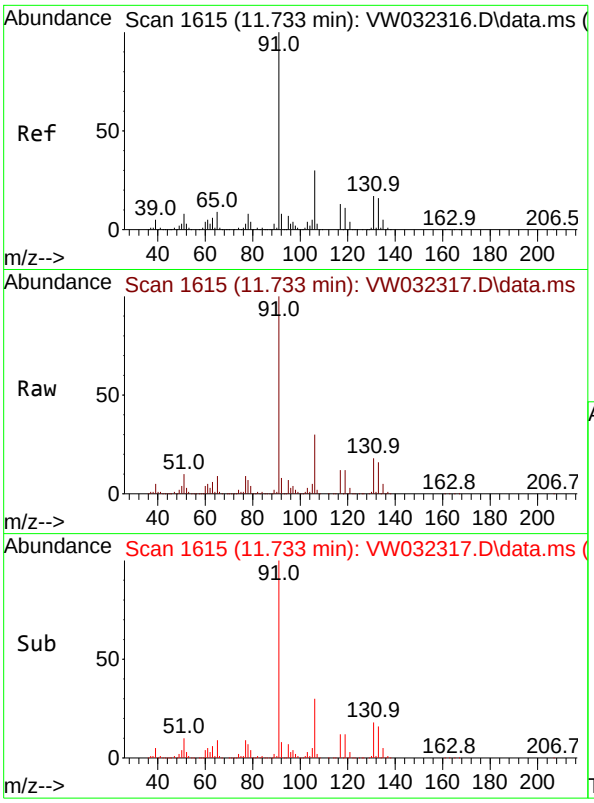


#66
1,1,1,2-Tetrachloroethane
Concen: 102.516 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:131 Resp: 334400

Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.7	143.1
119	66.9	32.8	98.3

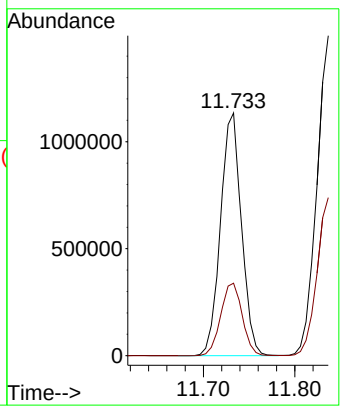




#67
Ethyl Benzene
Concen: 103.444 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 91 Resp: 180581

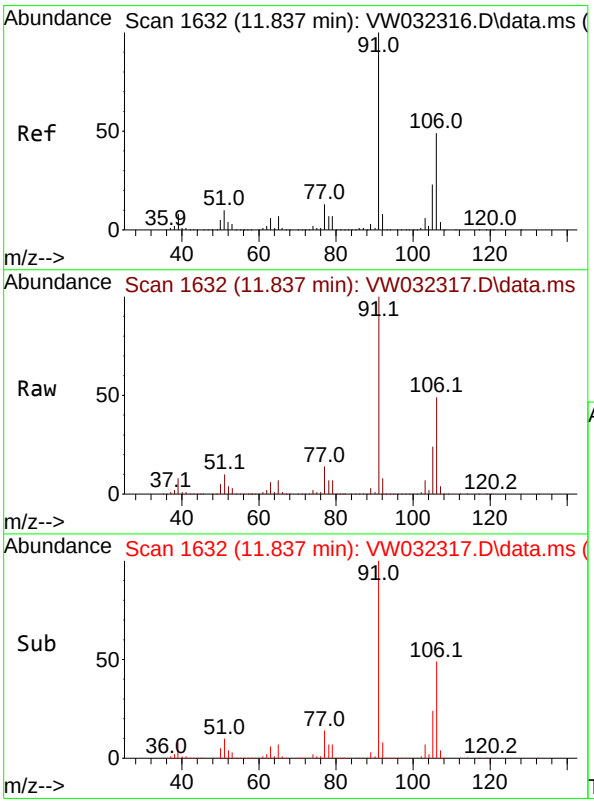
Ion	Ratio	Lower	Upper
91	100		
106	29.9	25.3	37.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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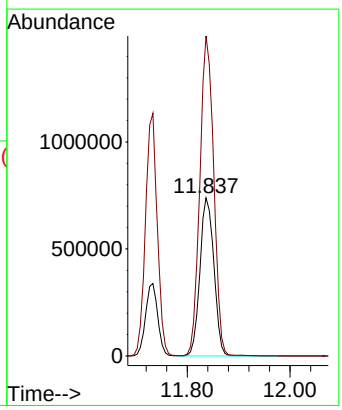
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

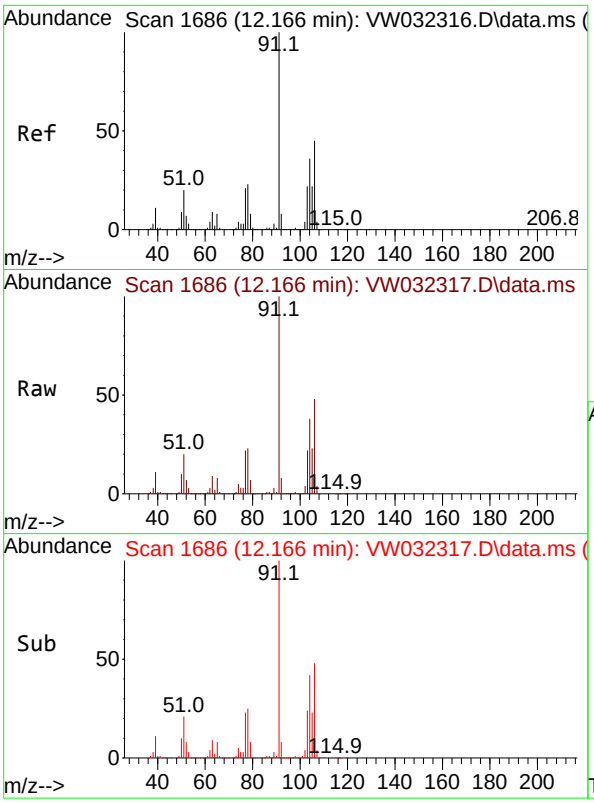


#68
m/p-Xylenes
Concen: 206.584 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:106 Resp: 1390632

Ion	Ratio	Lower	Upper
106	100		
91	201.8	164.2	246.2





#69
o-Xylene
Concen: 106.061 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

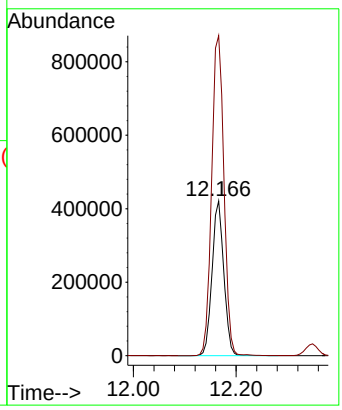
Tgt Ion:106 Resp: 66767

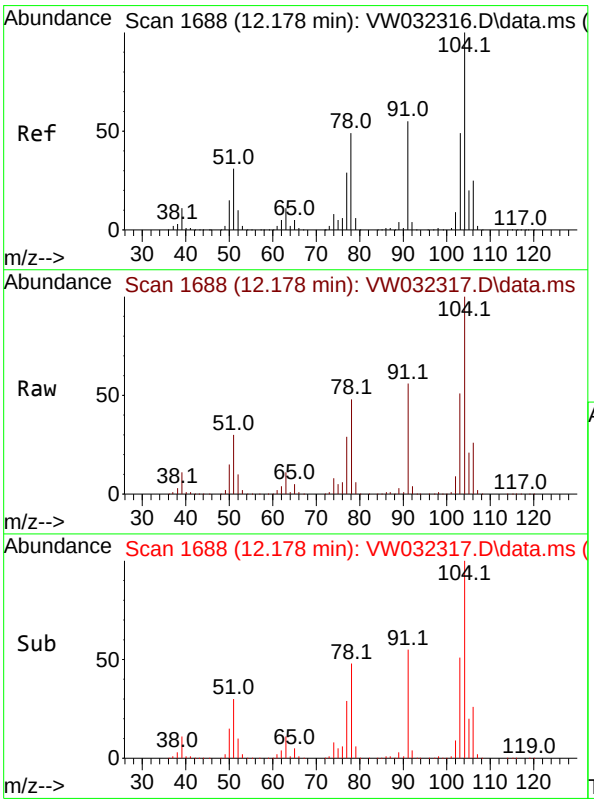
Ion	Ratio	Lower	Upper
106	100		
91	216.2	108.7	326.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

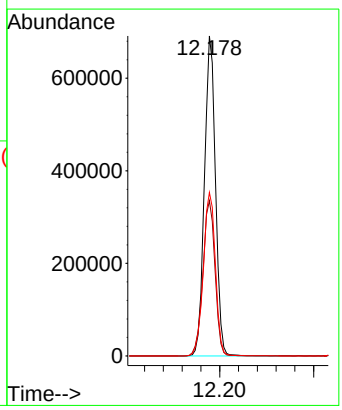


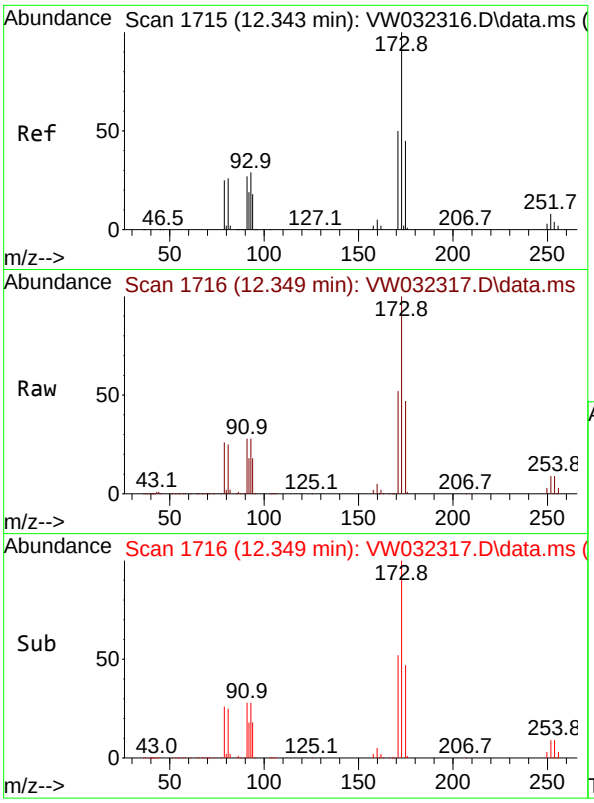


#70
Styrene
Concen: 102.692 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:104 Resp: 1128688

Ion	Ratio	Lower	Upper
104	100		
78	53.2	41.6	62.4
103	55.8	44.8	67.2

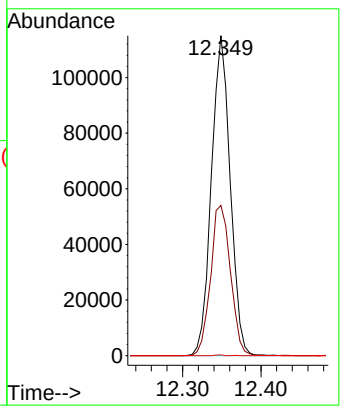




#71
Bromoform
Concen: 102.725 ug/l
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:173 Resp: 19206

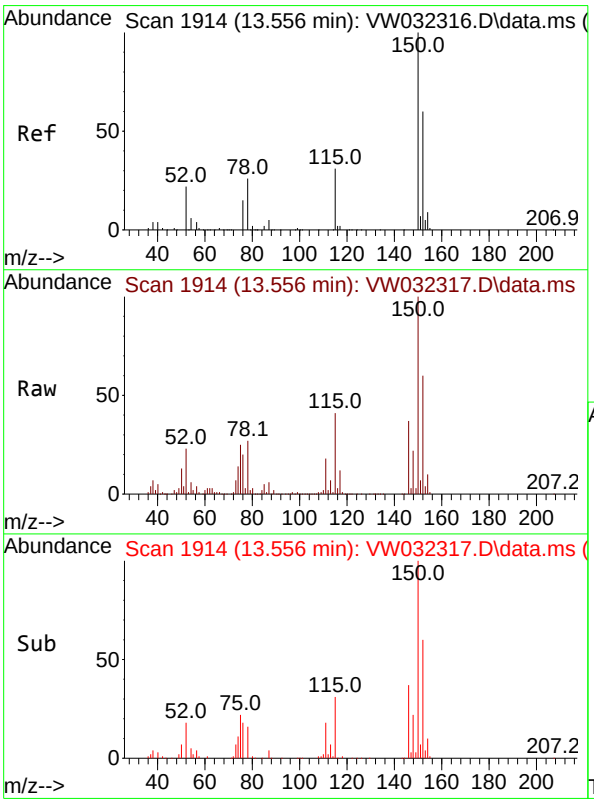
Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.7
254	0.1	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

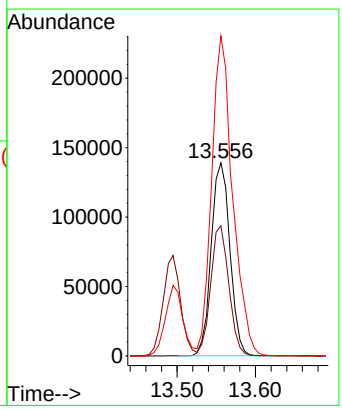
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

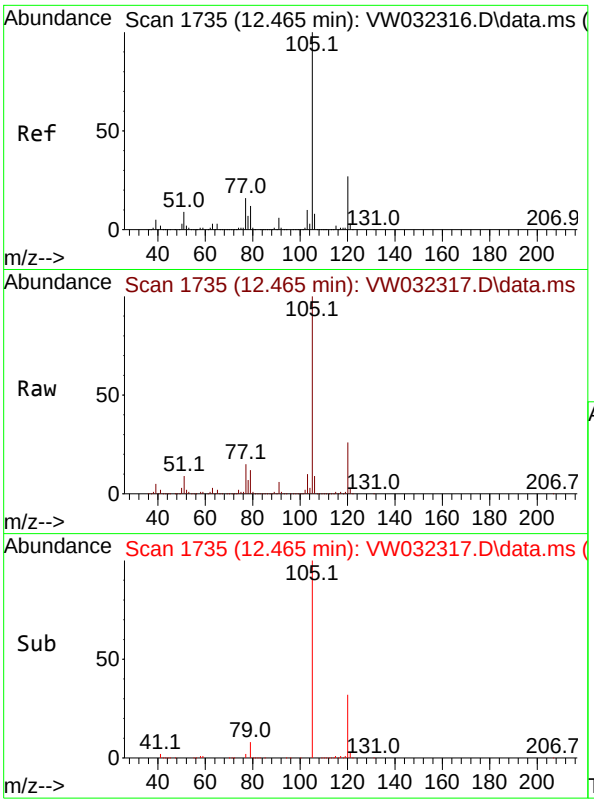


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:152 Resp: 231176

Ion	Ratio	Lower	Upper
152	100		
115	64.9	31.8	95.4
150	185.2	0.0	343.0

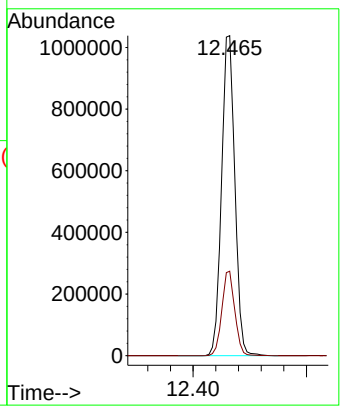




#73
Isopropylbenzene
Concen: 106.560 ug/l
RT: 12.465 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:105 Resp: 168535

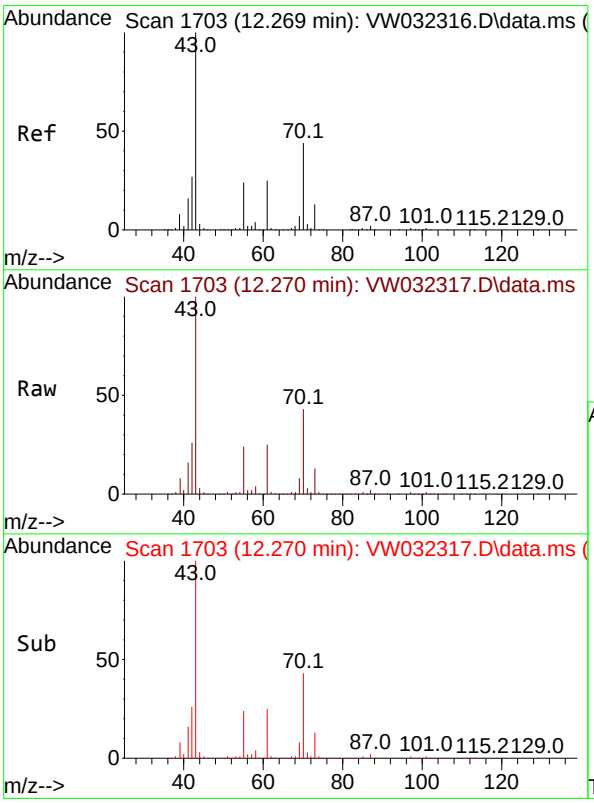
Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.0	38.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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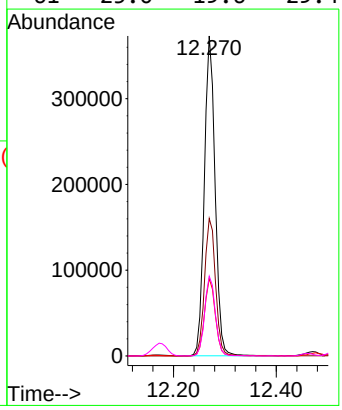
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

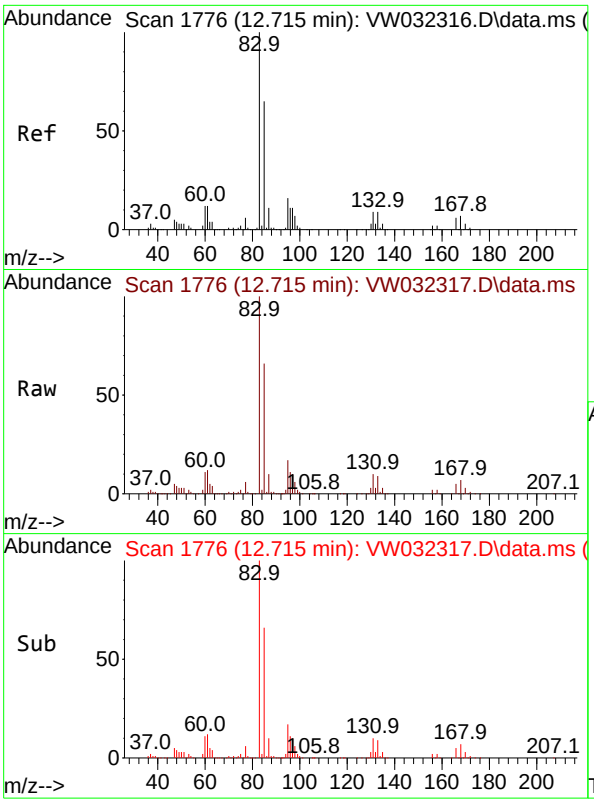


#74
N-amyl acetate
Concen: 107.133 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 43 Resp: 540543

Ion	Ratio	Lower	Upper
43	100		
70	44.1	35.3	52.9
55	24.5	19.9	29.9
61	25.0	19.6	29.4

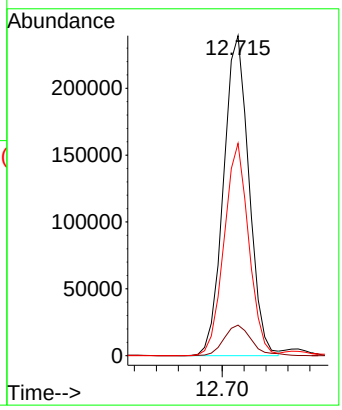




#75
1,1,2,2-Tetrachloroethane
Concen: 98.125 ug/l
RT: 12.715 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 83 Resp: 38534

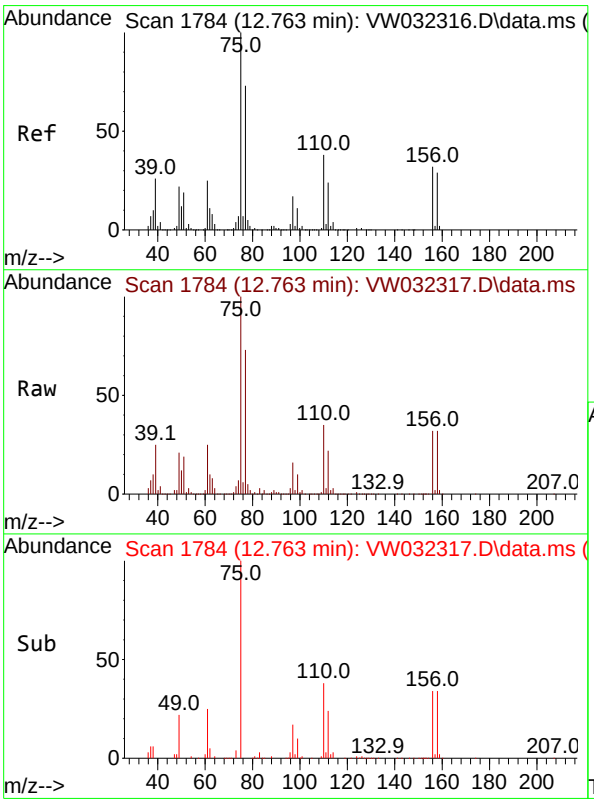
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.4
85	64.4	32.2	96.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

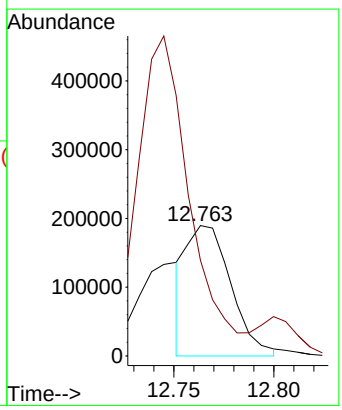
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

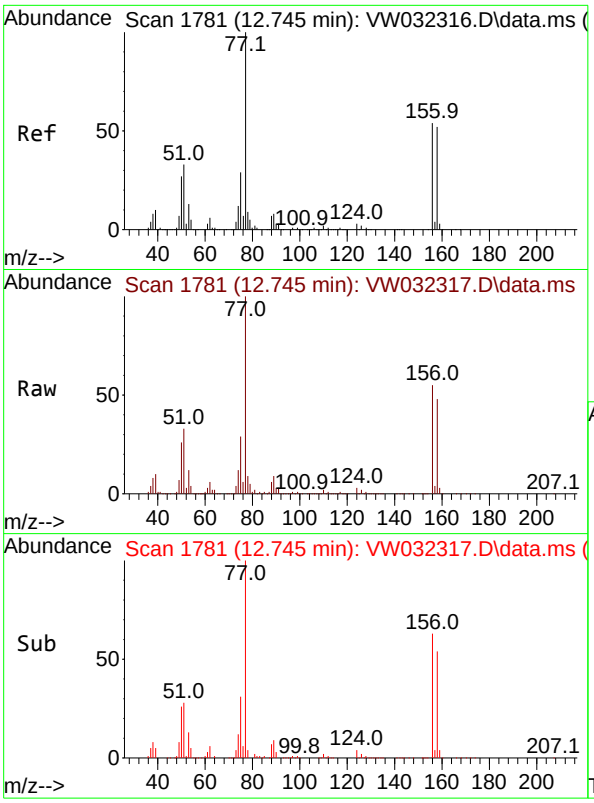


#76
1,2,3-Trichloropropane
Concen: 96.745 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 75 Resp: 295124

Ion	Ratio	Lower	Upper
75	100		
77	286.5	141.7	425.1

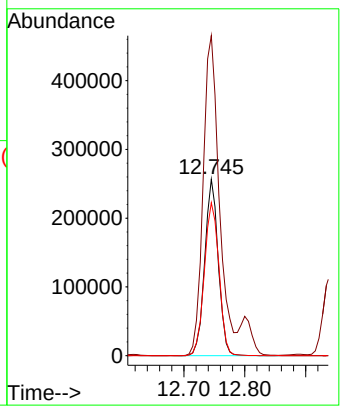




#77
Bromobenzene
Concen: 104.063 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:156 Resp: 39674

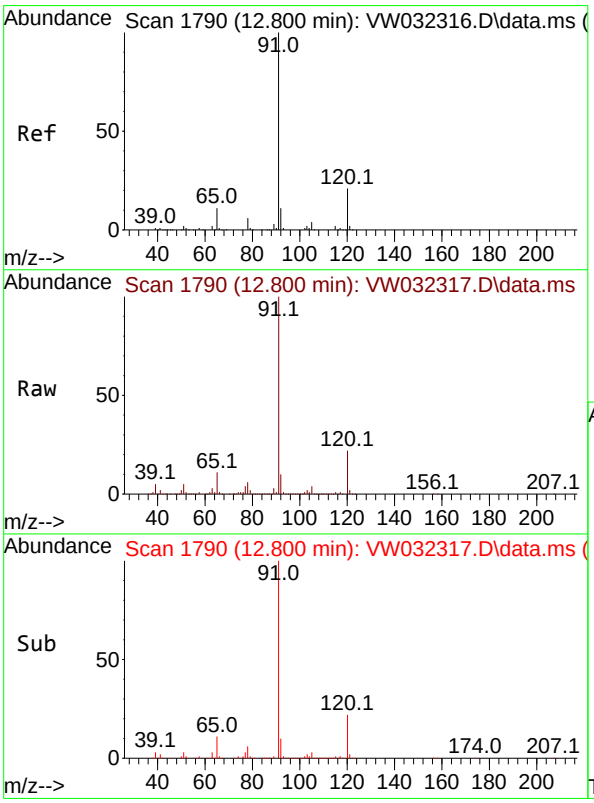
Ion	Ratio	Lower	Upper
156	100		
77	213.1	98.6	295.7
158	93.9	48.4	145.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

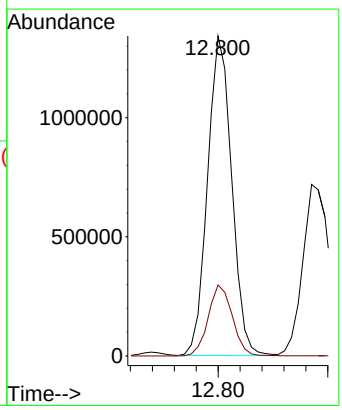
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

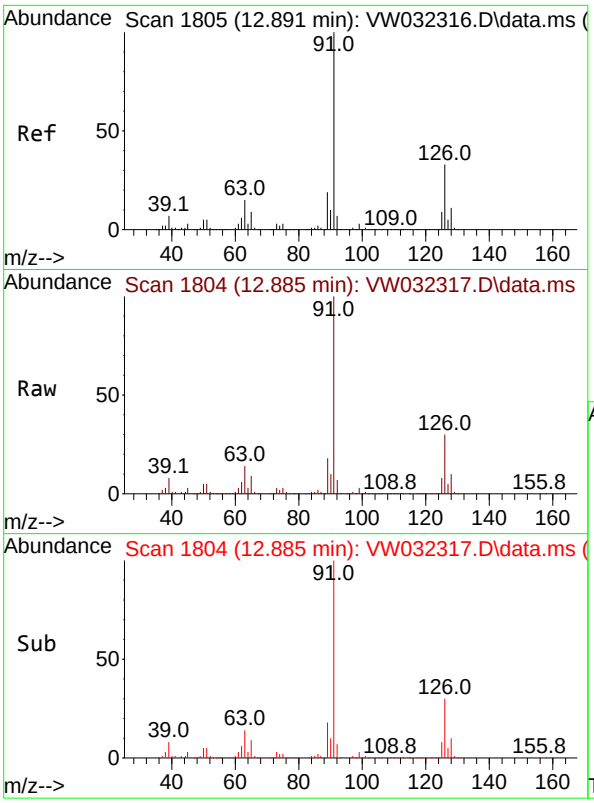


#78
n-propylbenzene
Concen: 103.878 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 91 Resp: 2052249

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.8	35.4





#79
2-Chlorotoluene
Concen: 100.479 ug/l
RT: 12.885 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

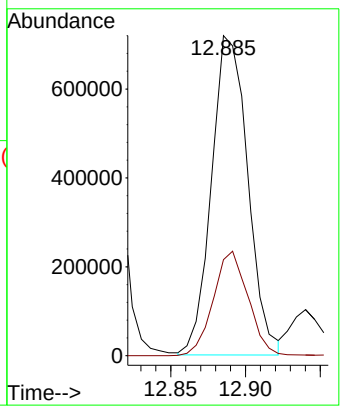
Tgt Ion: 91 Resp: 121376

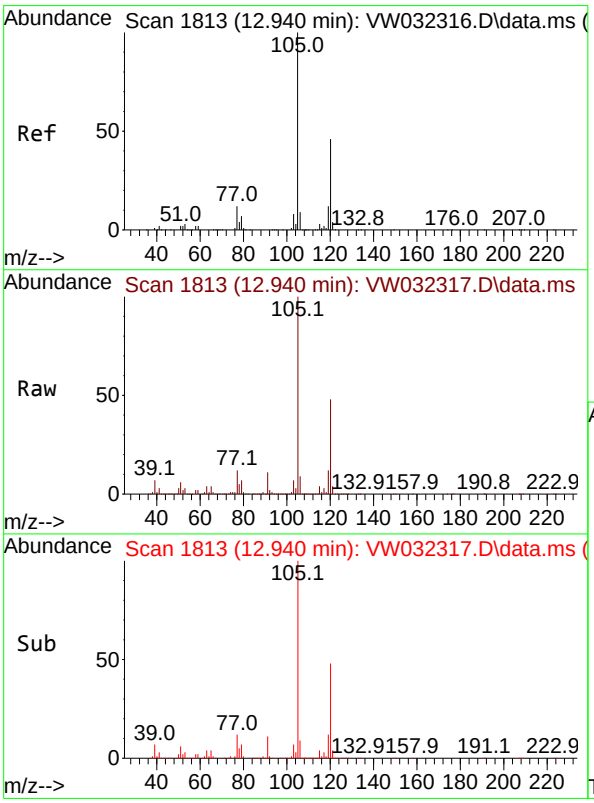
Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.6	49.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

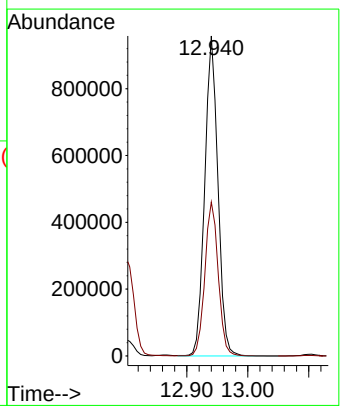


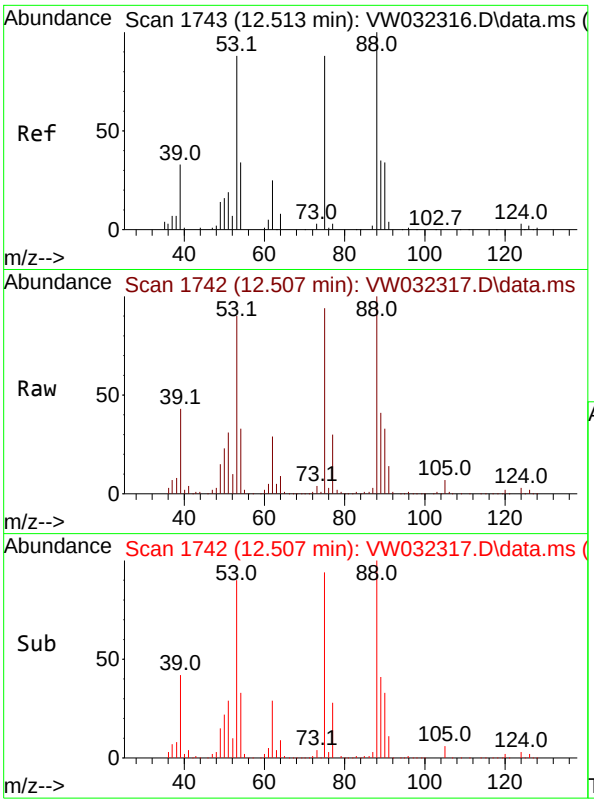


#80
1,3,5-Trimethylbenzene
Concen: 105.277 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:105 Resp: 1439767

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 112.737 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

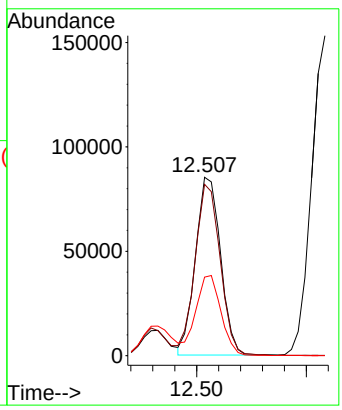
Tgt Ion: 75 Resp: 13538

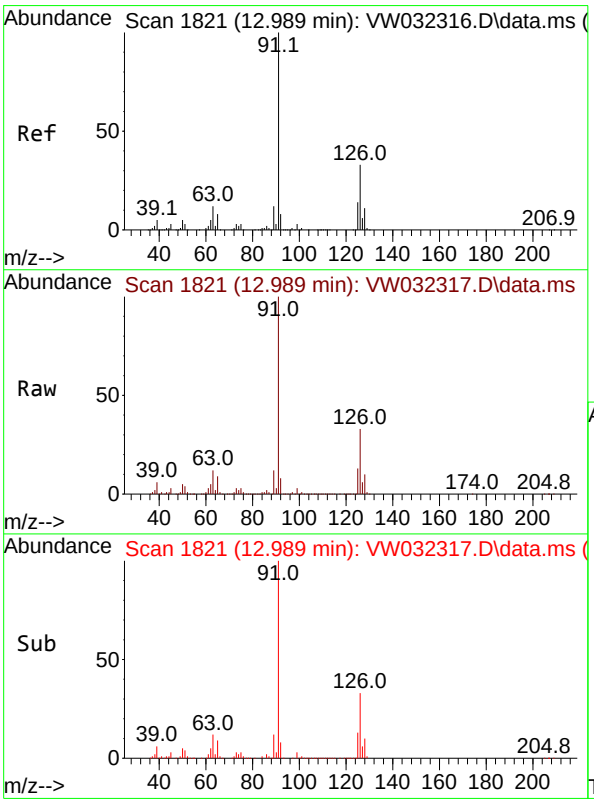
Ion	Ratio	Lower	Upper
75	100		
53	98.1	91.0	136.6
89	45.9	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

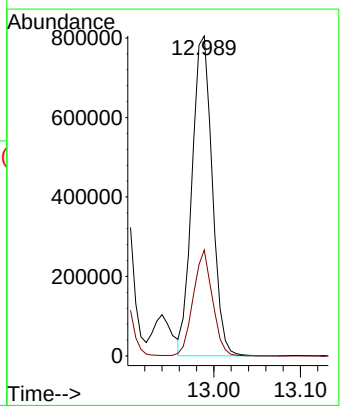


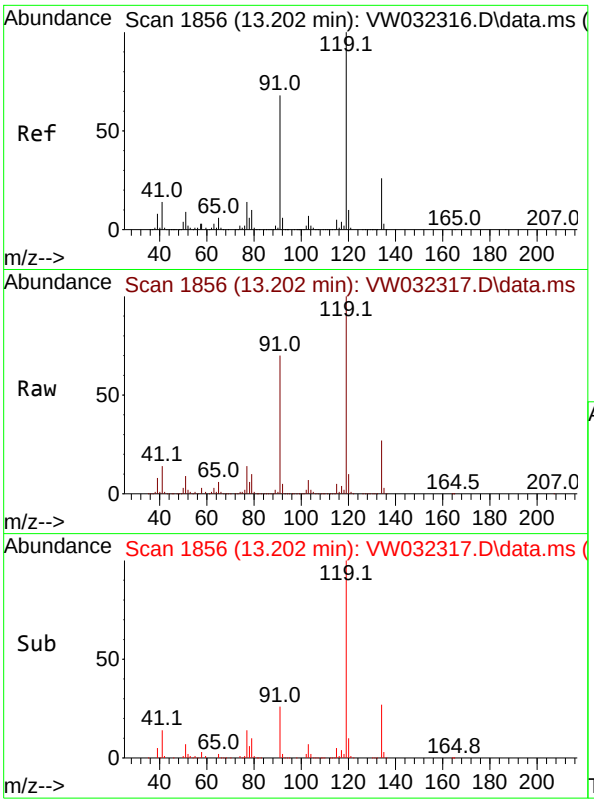


#82
4-Chlorotoluene
Concen: 101.179 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 91 Resp: 1299440

Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.1	48.2





#83
tert-Butylbenzene
Concen: 105.090 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

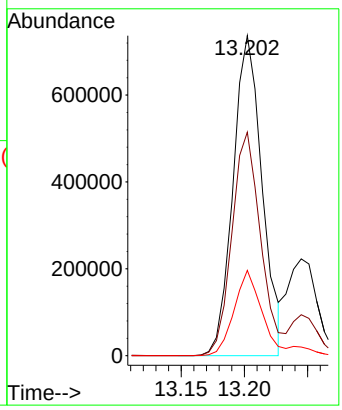
Tgt Ion:119 Resp: 117923

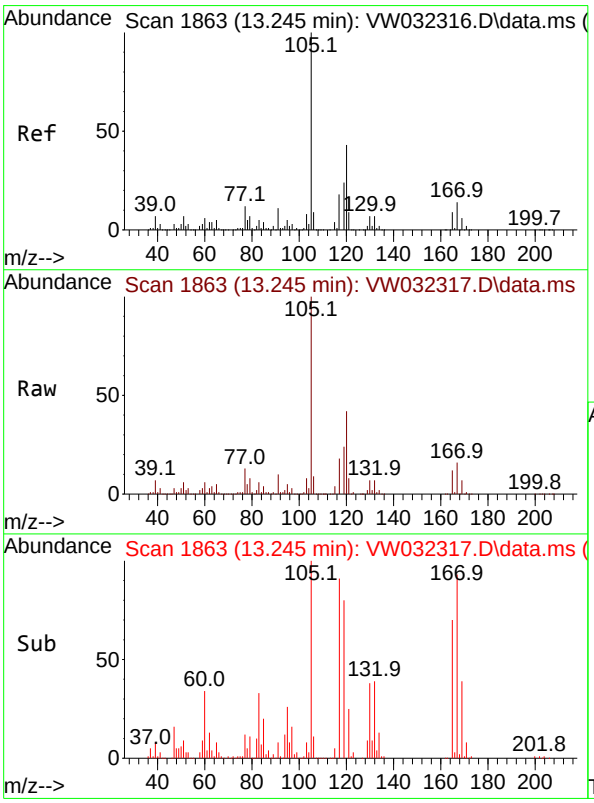
Ion	Ratio	Lower	Upper
119	100		
91	69.8	33.8	101.3
134	25.3	12.5	37.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

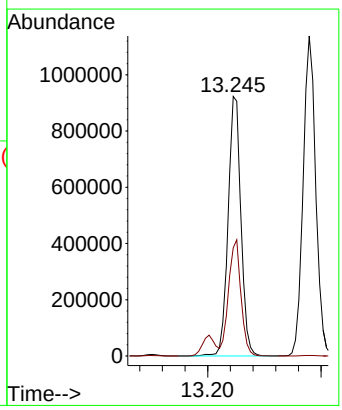


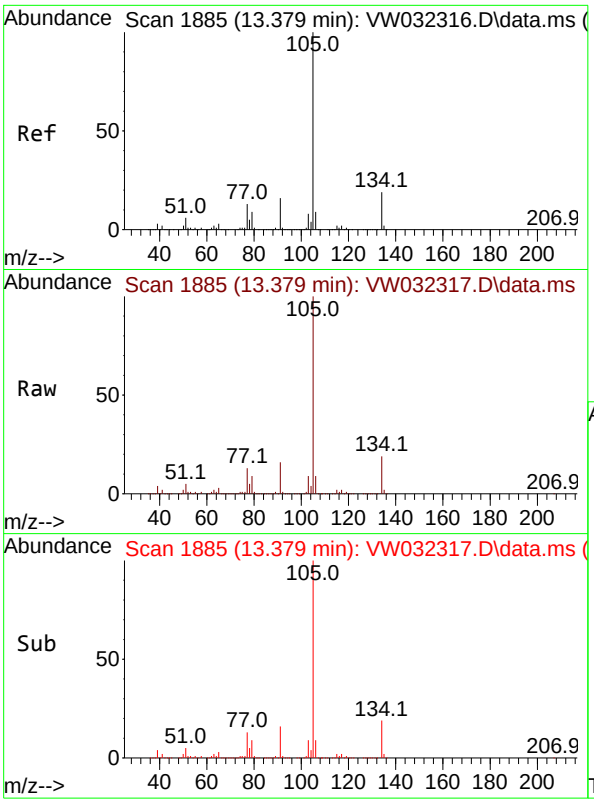


#84
1,2,4-Trimethylbenzene
Concen: 103.930 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:105 Resp: 1445279

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.3

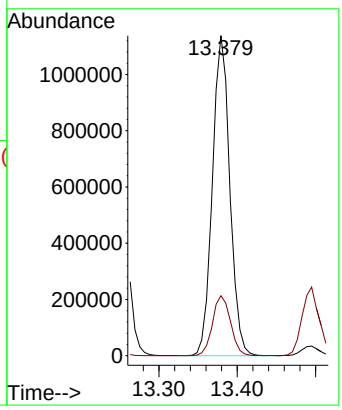




#85
sec-Butylbenzene
Concen: 102.403 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:105 Resp: 175600

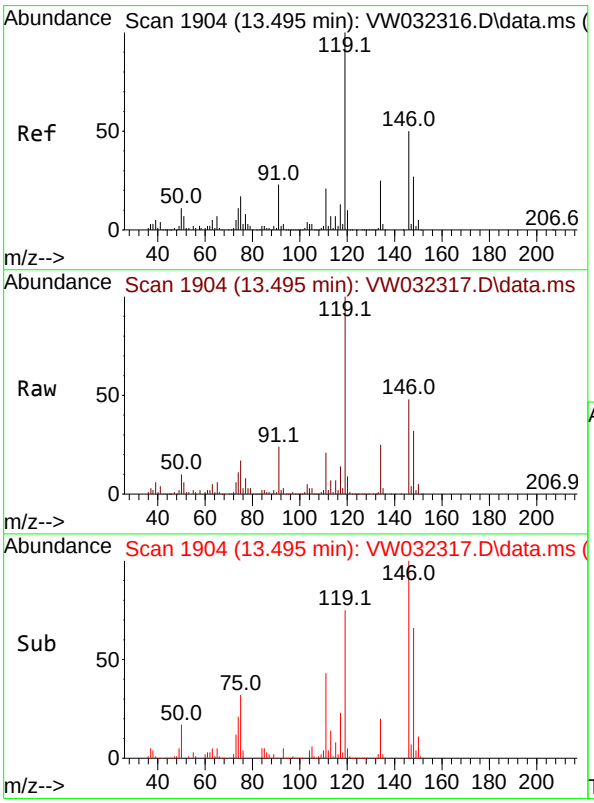
Ion	Ratio	Lower	Upper
105	100		
134	19.4	10.1	30.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

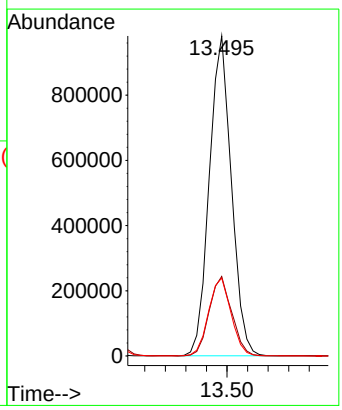
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

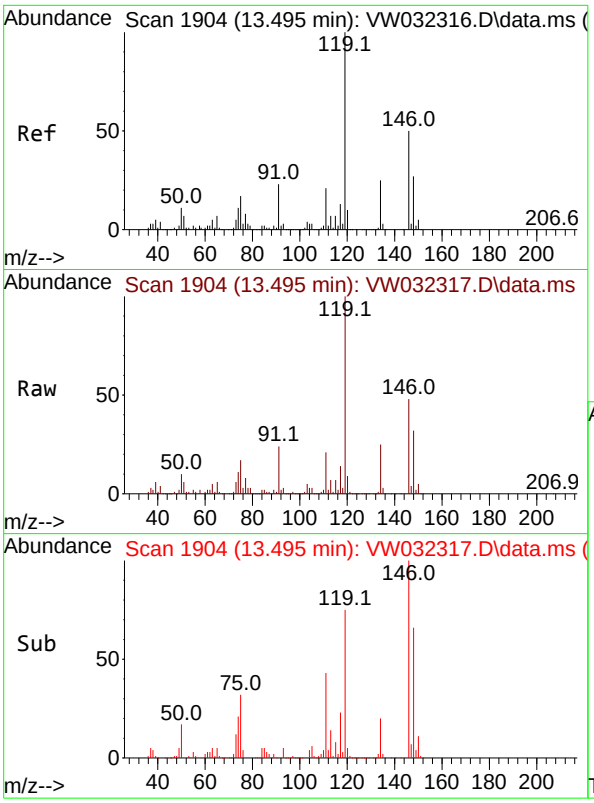


#86
p-Isopropyltoluene
Concen: 102.680 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:119 Resp: 1460991

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.6
91	24.7	12.4	37.0

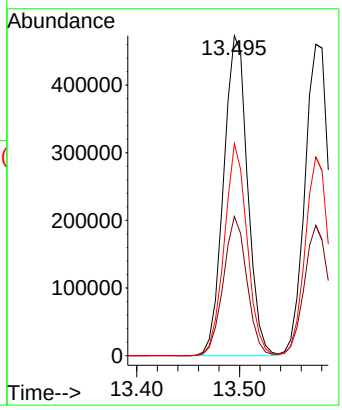




#87
1,3-Dichlorobenzene
Concen: 99.297 ug/l
RT: 13.495 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:146 Resp: 76658

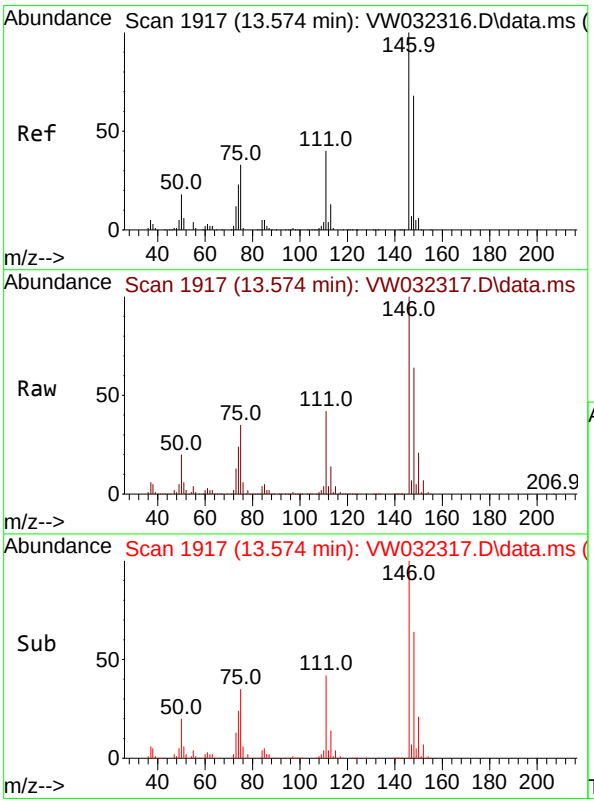
Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.6	61.9
148	63.1	30.6	92.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

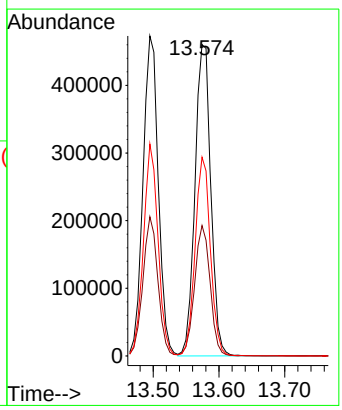
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

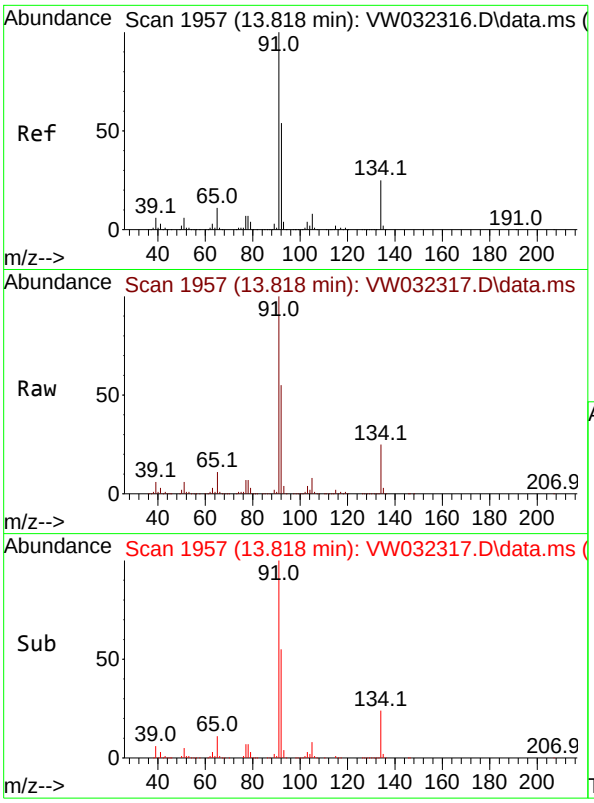


#88
1,4-Dichlorobenzene
Concen: 99.477 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:146 Resp: 767903

Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.3	63.7
148	61.6	33.4	100.1





#89
n-Butylbenzene
Concen: 103.706 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

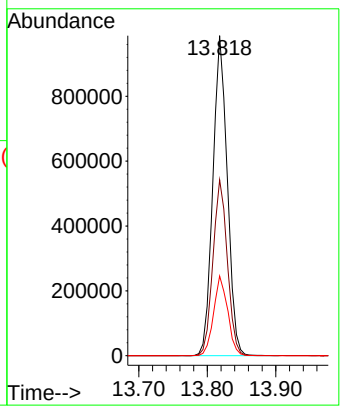
Tgt Ion: 91 Resp: 144070

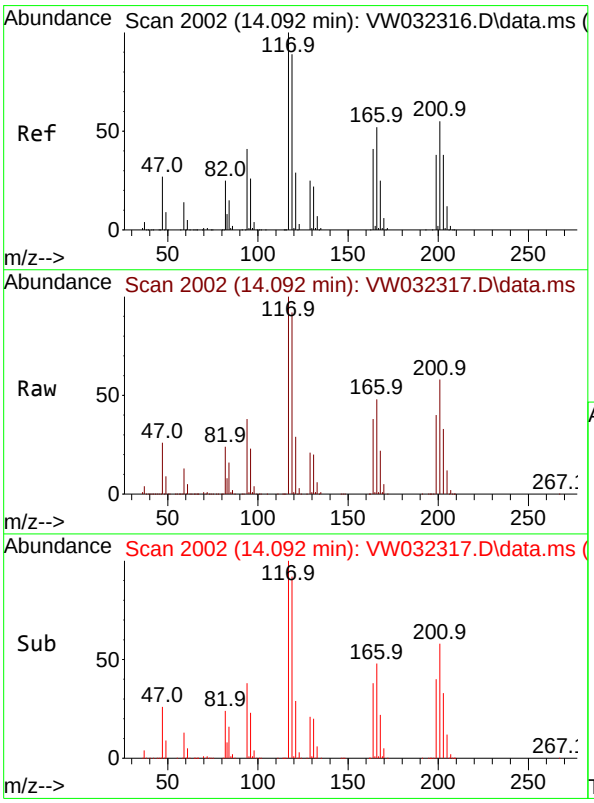
Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.0	81.0
134	24.3	13.1	39.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

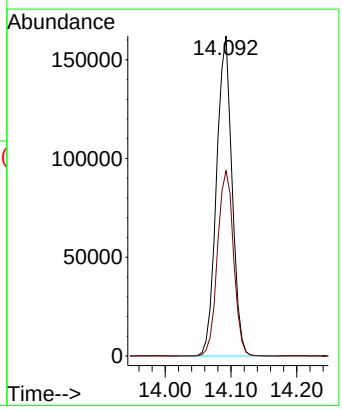


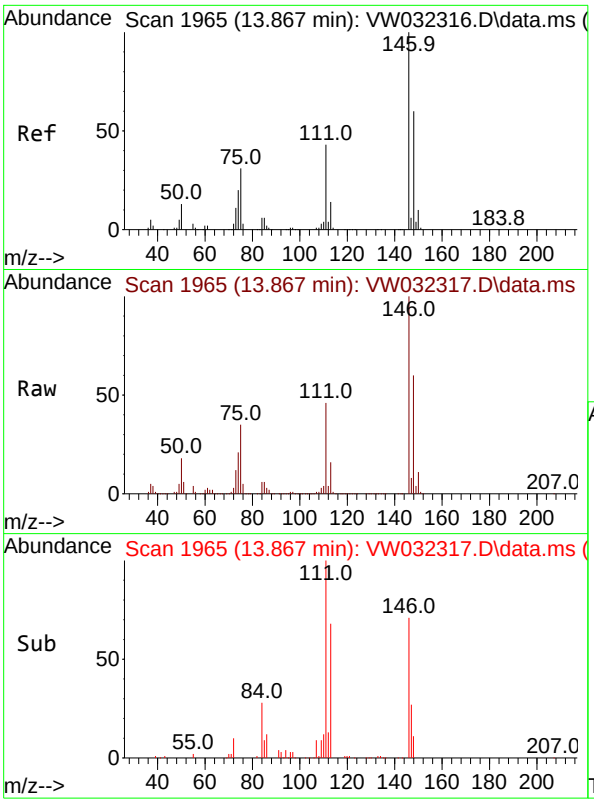


#90
Hexachloroethane
Concen: 104.296 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:117 Resp: 265991

Ion	Ratio	Lower	Upper
117	100		
201	59.9	32.8	98.4





#91
1,2-Dichlorobenzene
Concen: 97.184 ug/l
RT: 13.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

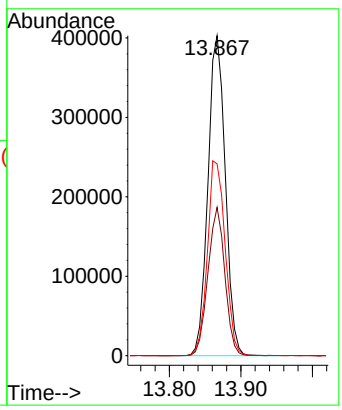
Tgt Ion:146 Resp: 67821

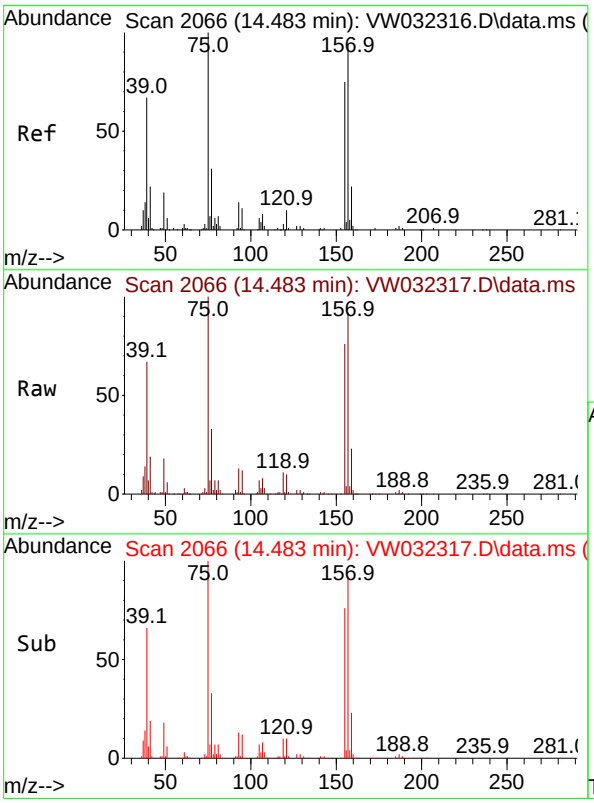
Ion	Ratio	Lower	Upper
146	100		
111	45.2	23.4	70.0
148	62.5	34.1	102.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

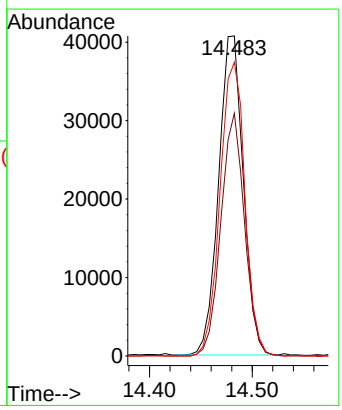


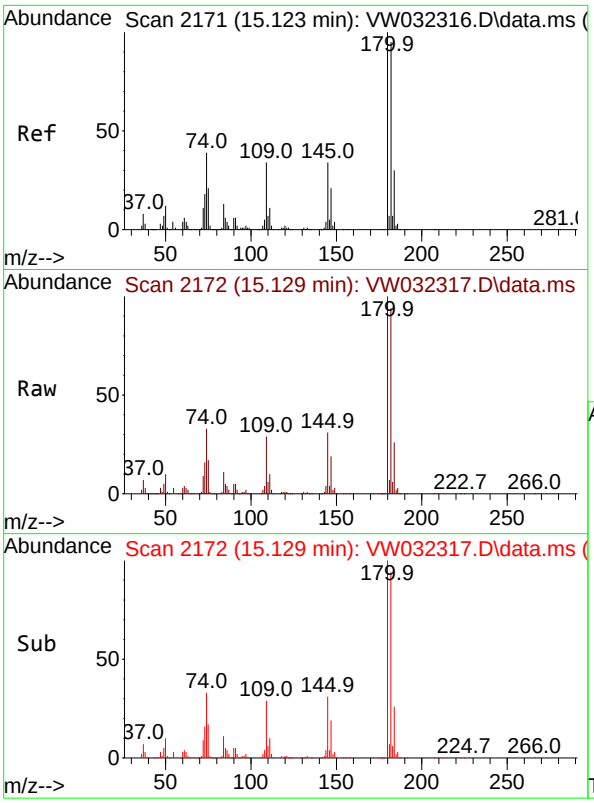


#92
1,2-Dibromo-3-Chloropropane
Concen: 98.781 ug/l
RT: 14.483 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion: 75 Resp: 67919

Ion	Ratio	Lower	Upper
75	100		
155	72.8	40.8	122.5
157	92.4	51.8	155.4

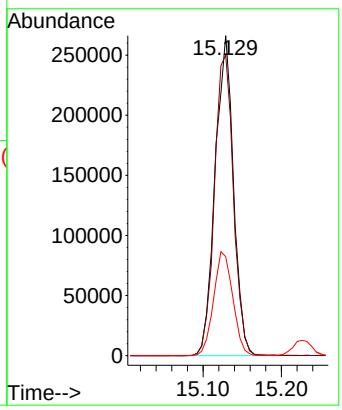




#93
1,2,4-Trichlorobenzene
Concen: 103.645 ug/l
RT: 15.129 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:180 Resp: 43372

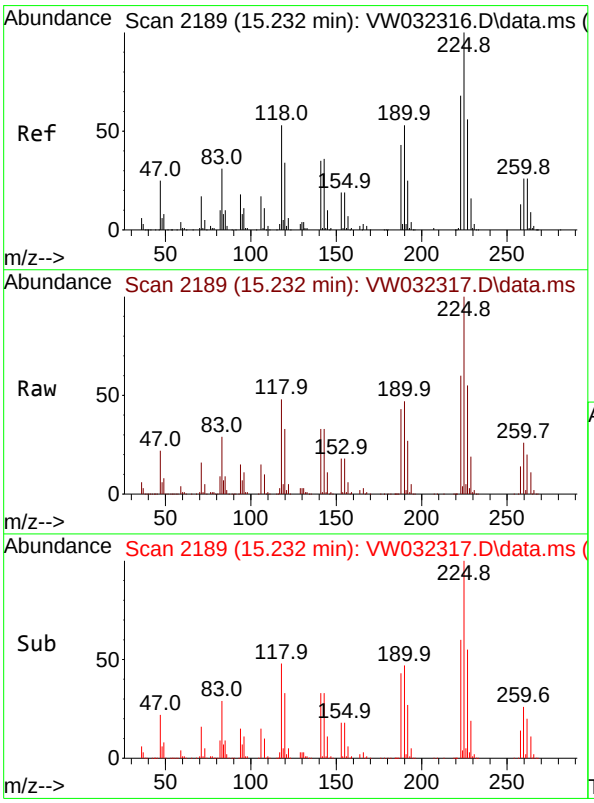
Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.4	142.2
145	34.0	16.4	49.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

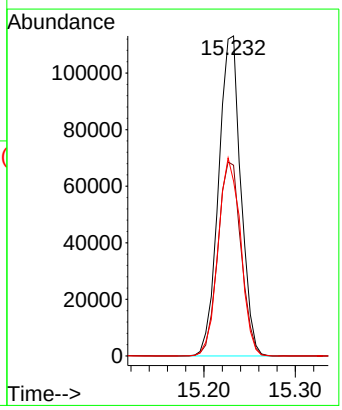
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

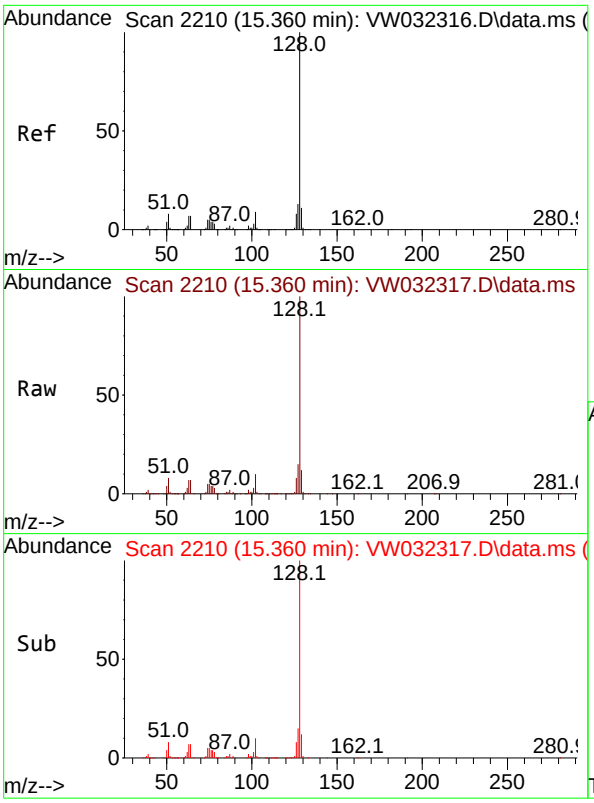


#94
Hexachlorobutadiene
Concen: 99.894 ug/l
RT: 15.232 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:225 Resp: 191123

Ion	Ratio	Lower	Upper
225	100		
223	63.2	29.8	89.3
227	62.6	30.5	91.5

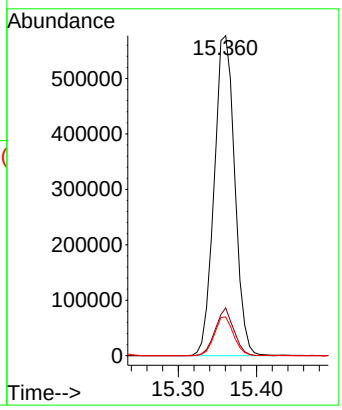




#95
Naphthalene
Concen: 104.900 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:128 Resp: 105420

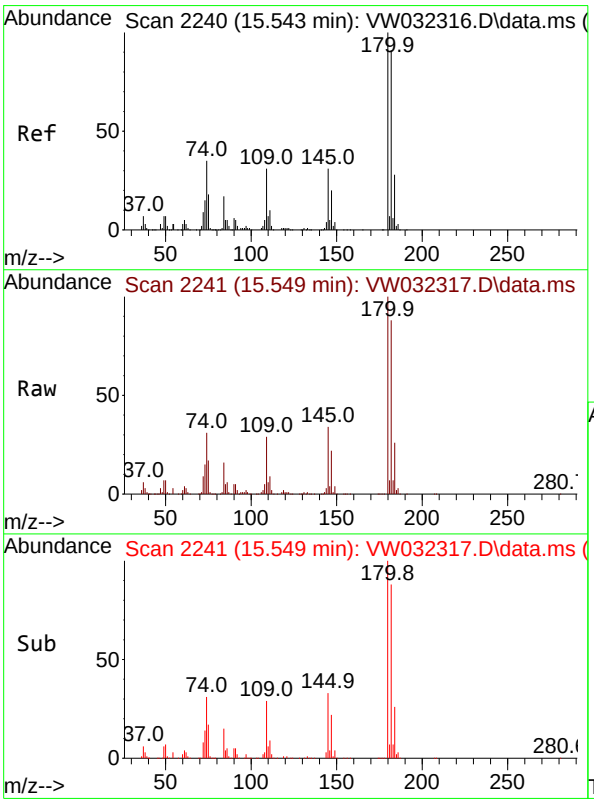
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	11.4	8.4	12.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

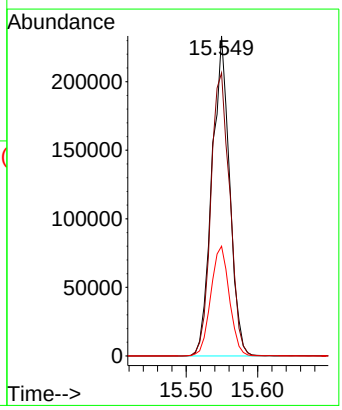
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 101.292 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW032317.D
Acq: 01 Oct 2025 14:59

Tgt Ion:180 Resp: 399527

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.7	143.1
145	36.1	17.2	51.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032318.D
Acq On : 01 Oct 2025 15:20
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 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:17:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	291156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	539030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	484985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	222254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	616717	145.223	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 290.440%#			
35) Dibromofluoromethane	7.898	113	503547	144.249	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 288.500%#			
50) Toluene-d8	10.325	98	1931096	149.885	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 299.780%#			
62) 4-Bromofluorobenzene	12.617	95	721146	148.089	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 296.180%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	261383	143.063	ug/l	97
3) Chloromethane	2.259	50	404786	143.584	ug/l	97
4) Vinyl Chloride	2.405	62	470035	139.655	ug/l	98
5) Bromomethane	2.814	94	337072	136.281	ug/l	100
6) Chloroethane	2.966	64	315013	141.765	ug/l	100
7) Trichlorofluoromethane	3.302	101	390434	154.935	ug/l	90
8) Diethyl Ether	3.722	74	319023	146.096	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.100	101	417711	138.198	ug/l	92
10) Methyl Iodide	4.308	142	634551	147.136	ug/l	98
11) Tert butyl alcohol	5.222	59	234095	728.258	ug/l	96
12) 1,1-Dichloroethene	4.076	96	467506	142.471	ug/l	91
13) Acrolein	3.930	56	366309	702.158	ug/l	94
14) Allyl chloride	4.704	41	826844	149.185	ug/l	88
15) Acrylonitrile	5.405	53	873212	768.664	ug/l	98
16) Acetone	4.161	43	790475	672.241	ug/l	100
17) Carbon Disulfide	4.417	76	1328431	148.374	ug/l	99
18) Methyl Acetate	4.710	43	517404	153.605	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	959825	148.511	ug/l	98
20) Methylene Chloride	4.960	84	546261	151.150	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	538776	148.302	ug/l	96
22) Diisopropyl ether	6.344	45	1710365	148.385	ug/l	93
23) Vinyl Acetate	6.283	43	6026856	782.812	ug/l	100
24) 1,1-Dichloroethane	6.246	63	1023465	146.150	ug/l	98
25) 2-Butanone	7.191	43	1210042	755.574	ug/l	99
26) 2,2-Dichloropropane	7.185	77	504110	140.732	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	650040	148.941	ug/l	95
28) Bromochloromethane	7.533	49	486570	147.682	ug/l	88
29) Tetrahydrofuran	7.551	42	782184	776.649	ug/l	94
30) Chloroform	7.691	83	1028785	144.857	ug/l	98
31) Cyclohexane	7.971	56	820370	137.222	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	717558	142.581	ug/l	99
36) 1,1-Dichloropropene	8.093	75	721795	146.511	ug/l	97
37) Ethyl Acetate	7.276	43	501366	152.893	ug/l	99
38) Carbon Tetrachloride	8.081	117	694408	149.786	ug/l	99
39) Methylcyclohexane	9.343	83	907851	152.772	ug/l	93
40) Benzene	8.337	78	2220041	143.766	ug/l	94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032318.D
Acq On : 01 Oct 2025 15:20
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 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:17:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	282967	160.121	ug/l		92
42) 1,2-Dichloroethane	8.410	62	732140	144.899	ug/l		99
43) Isopropyl Acetate	8.435	43	929737	159.826	ug/l		99
44) Trichloroethene	9.099	130	531979	147.127	ug/l		87
45) 1,2-Dichloropropane	9.374	63	559634	145.193	ug/l		99
46) Dibromomethane	9.465	93	347379	146.565	ug/l		95
47) Bromodichloromethane	9.654	83	807902	149.030	ug/l		96
48) Methyl methacrylate	9.441	41	459352	162.411	ug/l	#	91
49) 1,4-Dioxane	9.459	88	102853	3174.916	ug/l		93
51) 4-Methyl-2-Pentanone	10.215	43	2563648	760.880	ug/l		99
52) Toluene	10.392	92	1416495	147.299	ug/l		96
53) t-1,3-Dichloropropene	10.611	75	845826	160.824	ug/l		99
54) cis-1,3-Dichloropropene	10.081	75	944717	155.941	ug/l		93
55) 1,1,2-Trichloroethane	10.788	97	460089	145.242	ug/l		98
56) Ethyl methacrylate	10.648	69	733869	165.515	ug/l		95
57) 1,3-Dichloropropane	10.934	76	820516	146.656	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	2014602	853.757	ug/l		96
59) 2-Hexanone	10.971	43	1842050	775.163	ug/l		99
60) Dibromochloromethane	11.129	129	554578	154.183	ug/l		98
61) 1,2-Dibromoethane	11.239	107	463449	150.041	ug/l		99
64) Tetrachloroethene	10.867	164	406564	140.097	ug/l	#	82
65) Chlorobenzene	11.660	112	1557035	145.914	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.733	131	510773	153.680	ug/l		97
67) Ethyl Benzene	11.733	91	2684011	150.897	ug/l		100
68) m/p-Xylenes	11.837	106	2051963	299.170	ug/l		100
69) o-Xylene	12.166	106	986773	153.842	ug/l		99
70) Styrene	12.178	104	1725722	154.098	ug/l		98
71) Bromoform	12.349	173	304225	159.692	ug/l	#	99
73) Isopropylbenzene	12.465	105	2476143	162.844	ug/l		99
74) N-amyl acetate	12.269	43	829796	171.063	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	579686	153.538	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	441352m	150.487	ug/l		
77) Bromobenzene	12.745	156	569028	155.243	ug/l		89
78) n-propylbenzene	12.800	91	3001989	158.050	ug/l		98
79) 2-Chlorotoluene	12.891	91	1832239	157.767	ug/l		97
80) 1,3,5-Trimethylbenzene	12.940	105	2080060	158.201	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	204880	177.457	ug/l		89
82) 4-Chlorotoluene	12.983	91	1892838	153.300	ug/l		99
83) tert-Butylbenzene	13.202	119	1689407	156.599	ug/l		93
84) 1,2,4-Trimethylbenzene	13.245	105	2037112	152.369	ug/l		99
85) sec-Butylbenzene	13.379	105	2654122	160.991	ug/l		97
86) p-Isopropyltoluene	13.495	119	2141983	156.585	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	1147994	154.671	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	1064904	143.490	ug/l		99
89) n-Butylbenzene	13.818	91	2169211	162.413	ug/l		99
90) Hexachloroethane	14.092	117	392482	160.071	ug/l		94
91) 1,2-Dichlorobenzene	13.867	146	1027041	153.076	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	106355	160.891	ug/l		93
93) 1,2,4-Trichlorobenzene	15.129	180	664620	165.196	ug/l		97
94) Hexachlorobutadiene	15.226	225	283170	153.946	ug/l		99
95) Naphthalene	15.360	128	1692473	175.173	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	596762	157.371	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032318.D
Acq On : 01 Oct 2025 15:20
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 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:17:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
Response via : Initial Calibration

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

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

ICAL Form

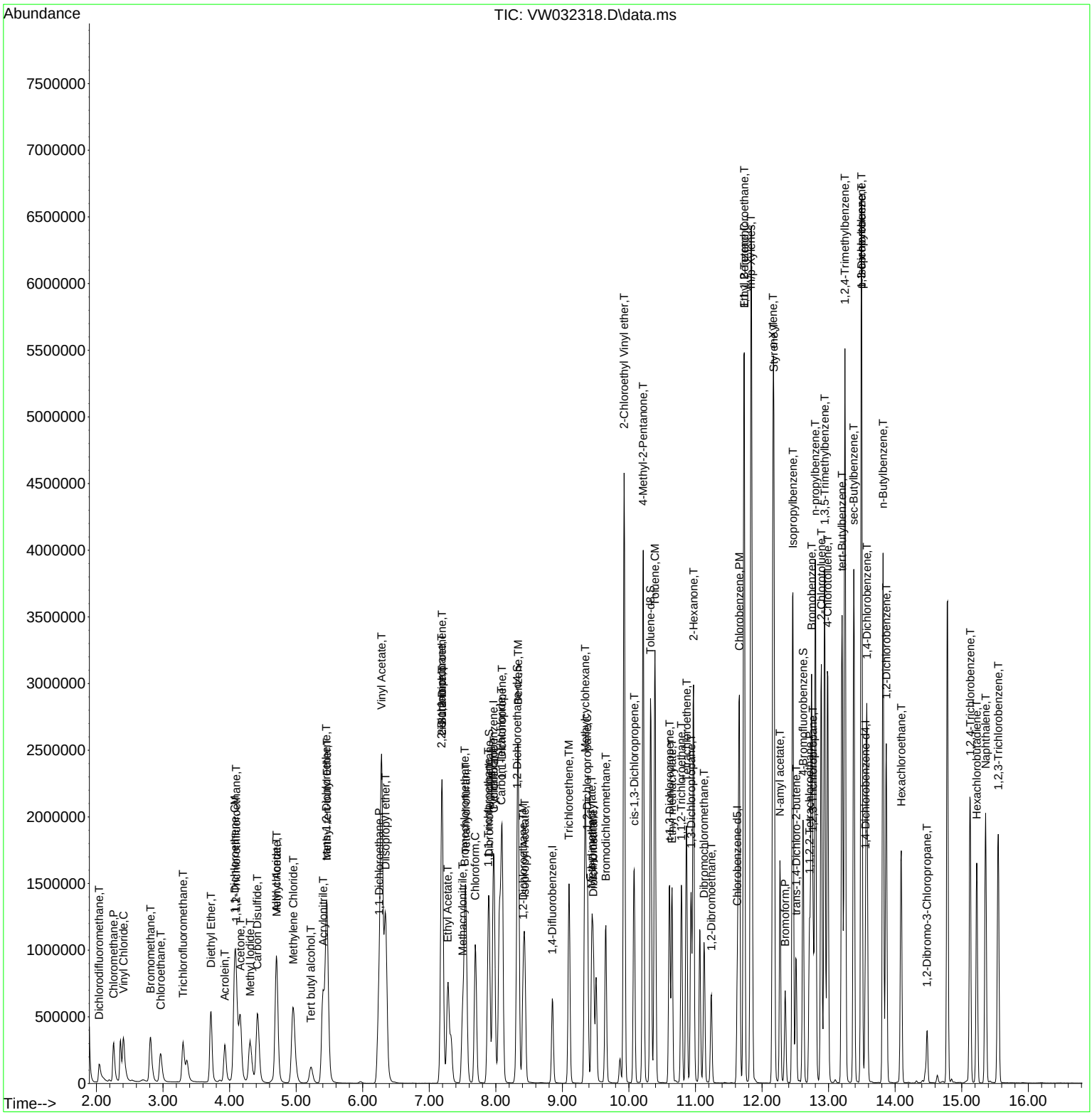
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032318.D
Acq On : 01 Oct 2025 15:20
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

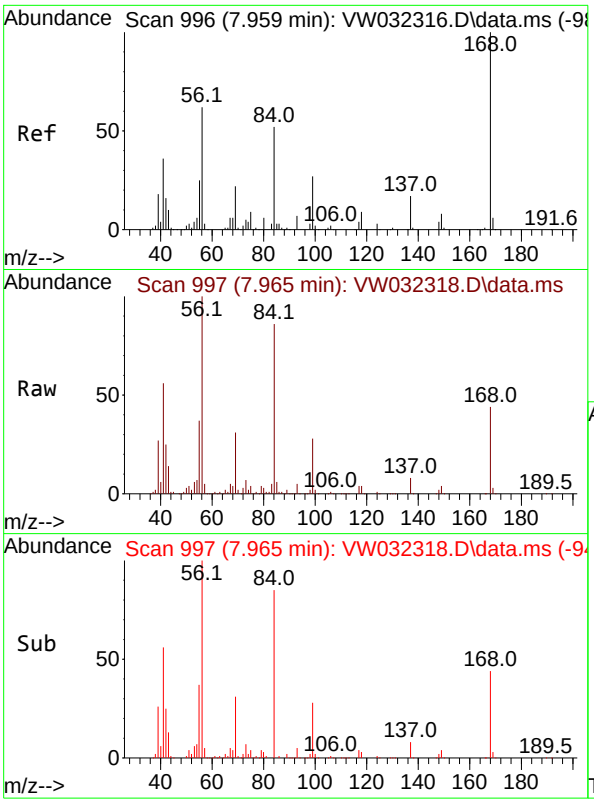
Quant Time: Oct 02 21:17:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:10:58 2025
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Instrument :
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ClientSampleId :
VSTDICC150

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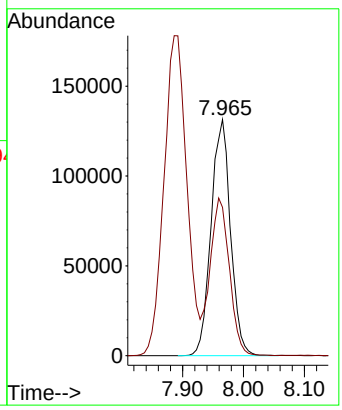




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:168 Resp: 29115

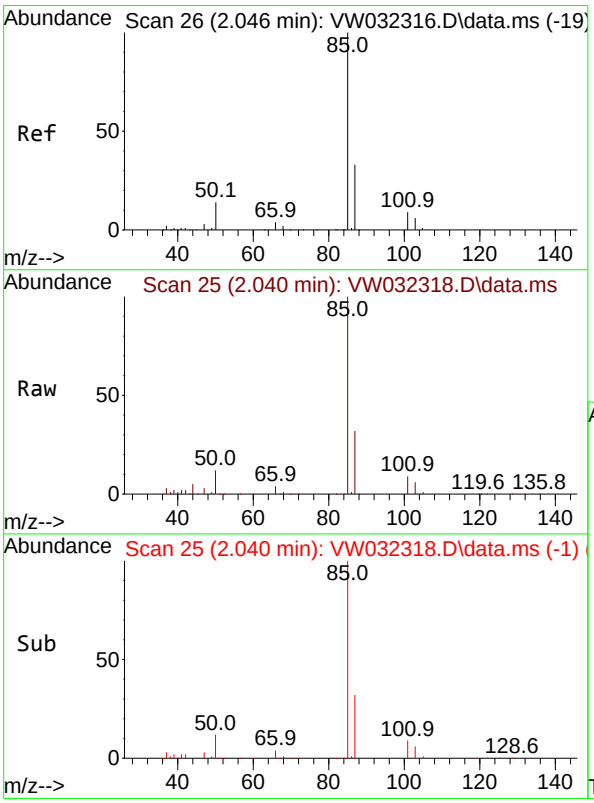
Ion	Ratio	Lower	Upper
168	100		
99	62.7	49.3	73.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

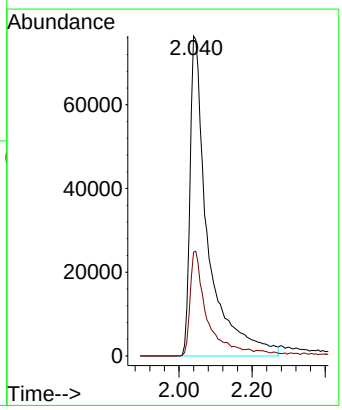
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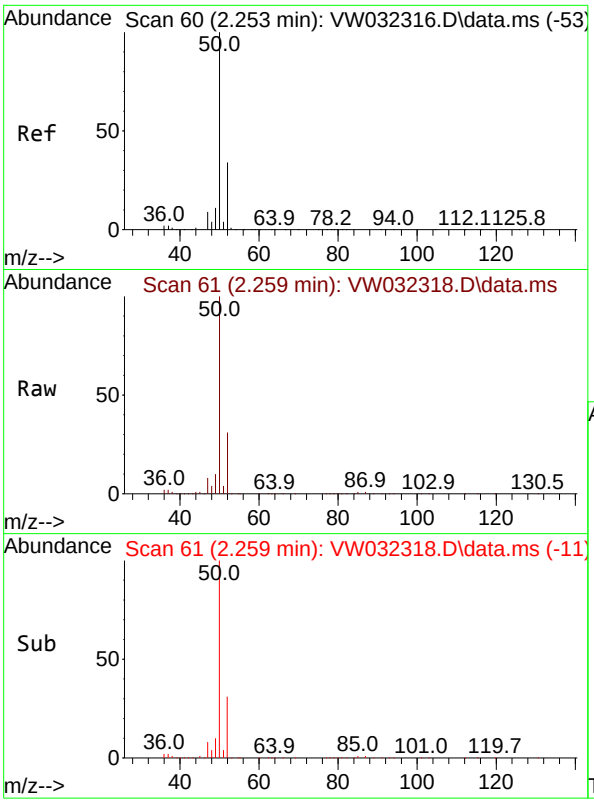


#2
Dichlorodifluoromethane
Concen: 143.063 ug/l
RT: 2.040 min Scan# 25
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 85 Resp: 261383

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.2	51.6

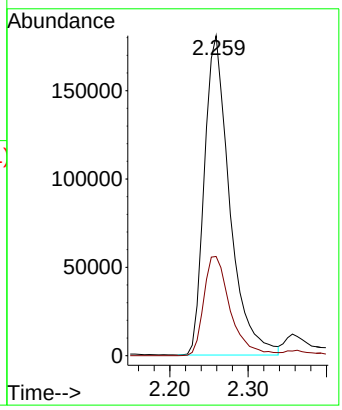




#3
Chloromethane
Concen: 143.584 ug/l
RT: 2.259 min Scan# 6
Delta R.T. 0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 50 Resp: 40478

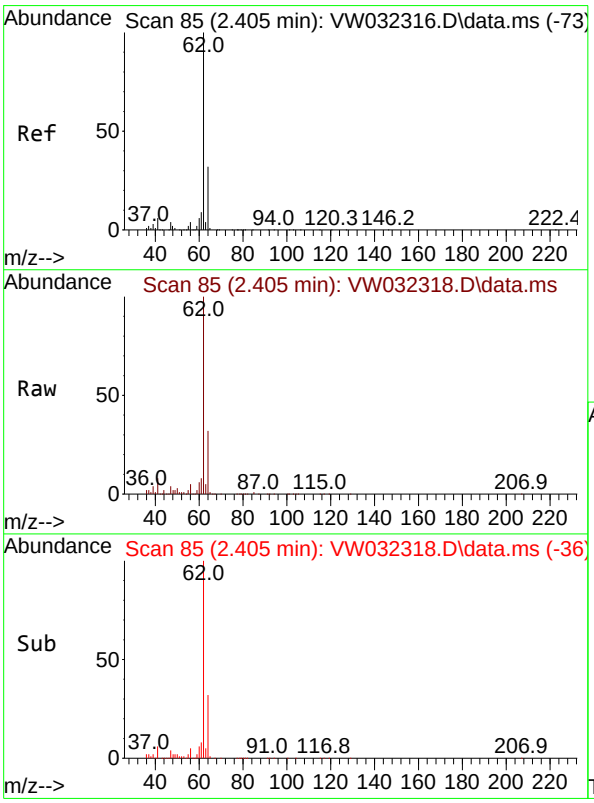
Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.1	39.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

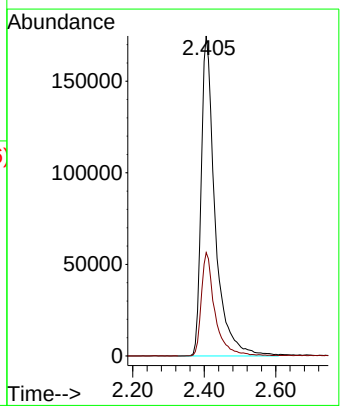
Reviewed By :Mahesh Dadoda 10/03/2025
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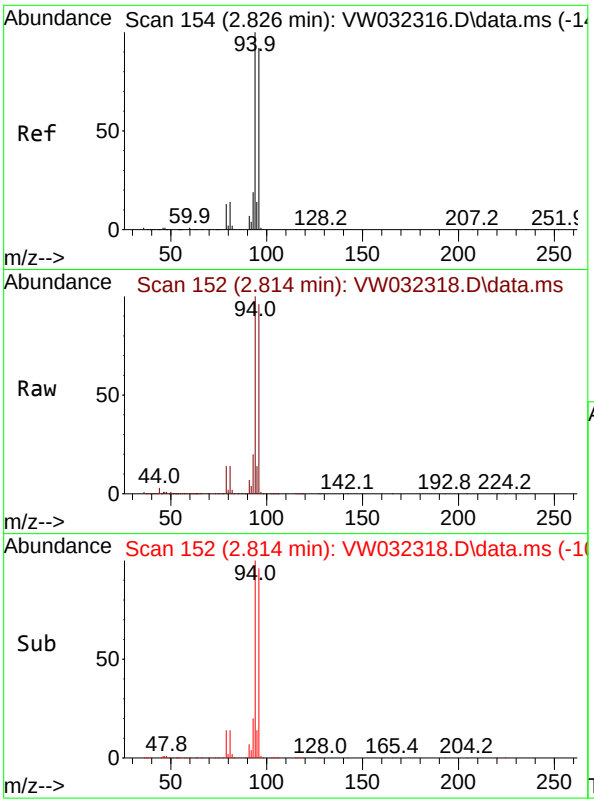


#4
Vinyl Chloride
Concen: 139.655 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 62 Resp: 470035

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.8	37.2





#5
Bromomethane
Concen: 136.281 ug/l
RT: 2.814 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

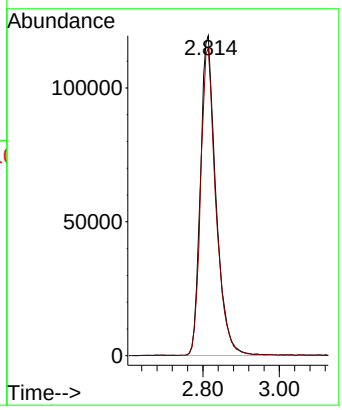
Tgt Ion: 94 Resp: 33707

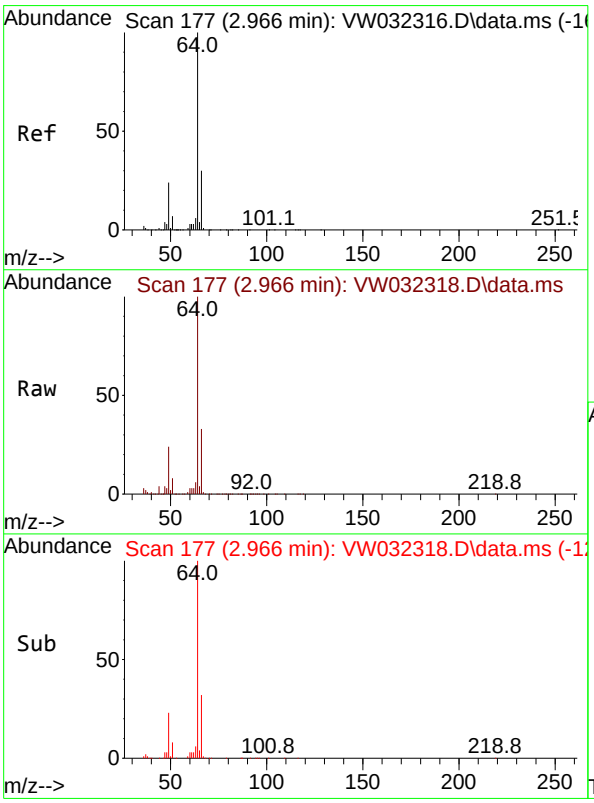
Ion	Ratio	Lower	Upper
94	100		
96	96.1	76.6	115.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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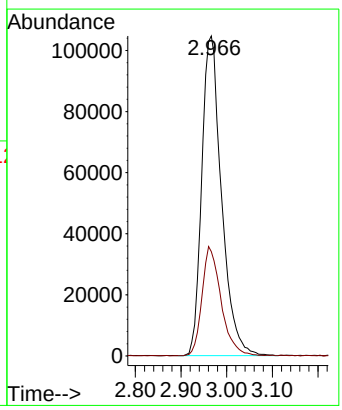


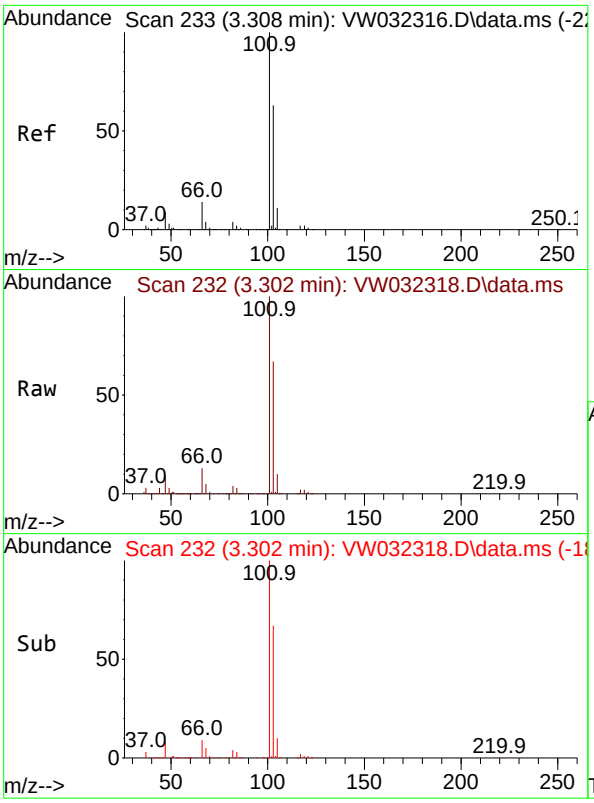


#6
Chloroethane
Concen: 141.765 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 64 Resp: 315013

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.2	39.4





#7
Trichlorofluoromethane
Concen: 154.935 ug/l
RT: 3.302 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

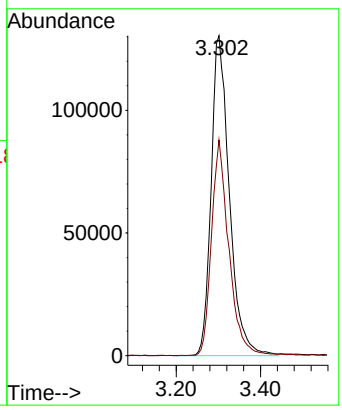
Tgt Ion:101 Resp: 39043

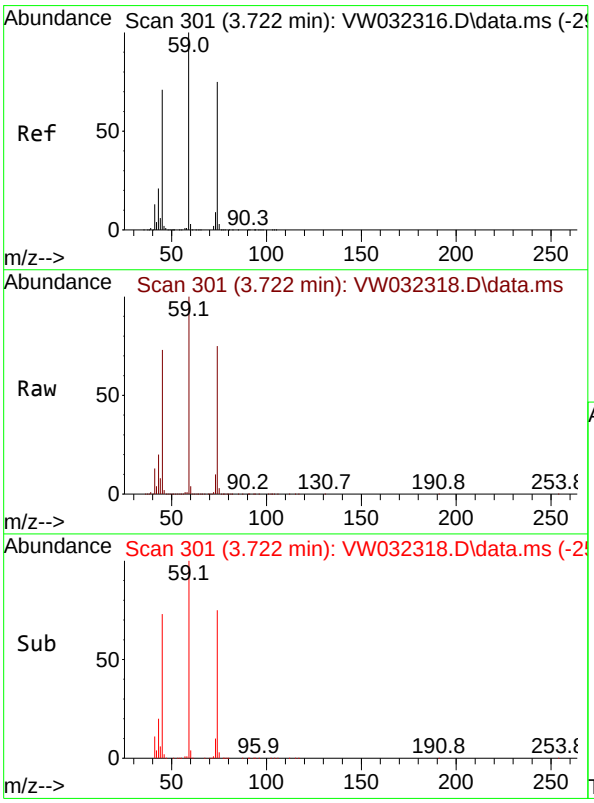
Ion	Ratio	Lower	Upper
101	100		
103	67.3	47.8	71.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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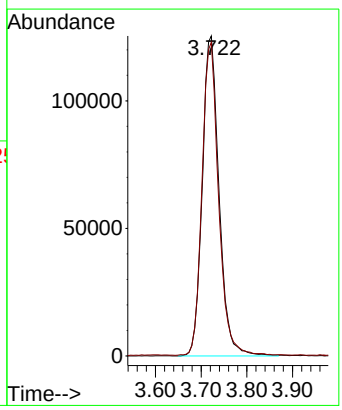


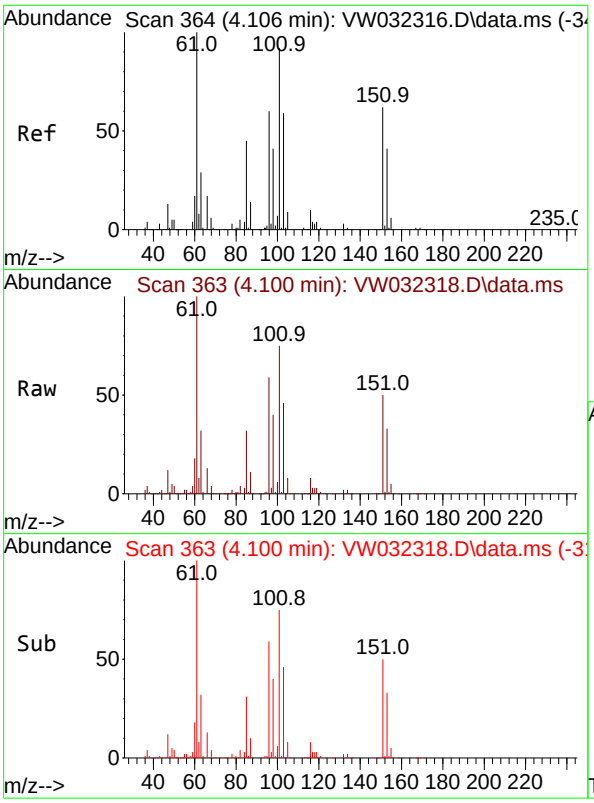


#8
Diethyl Ether
Concen: 146.096 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 74 Resp: 319023

Ion	Ratio	Lower	Upper
74	100		
45	96.9	43.1	129.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 138.198 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

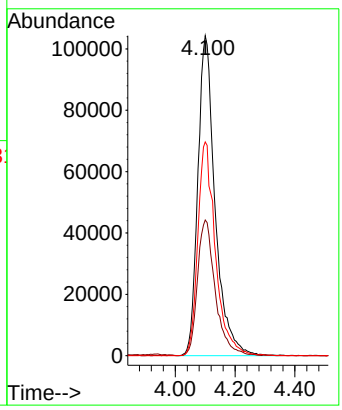
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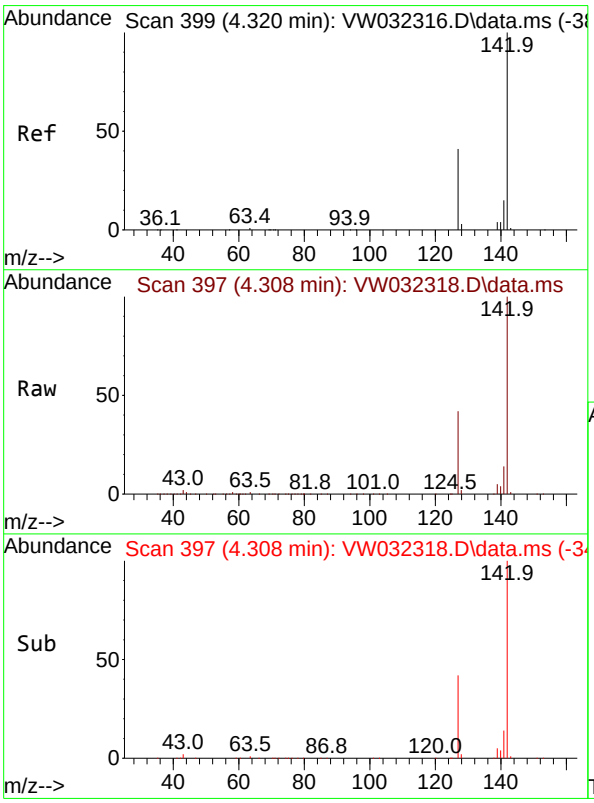
Ion	Ratio	Lower	Upper
101	100		
85	43.8	37.1	55.7
151	68.1	61.5	92.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

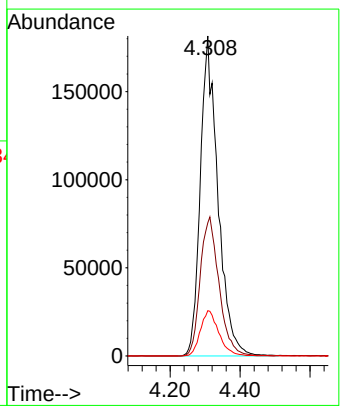


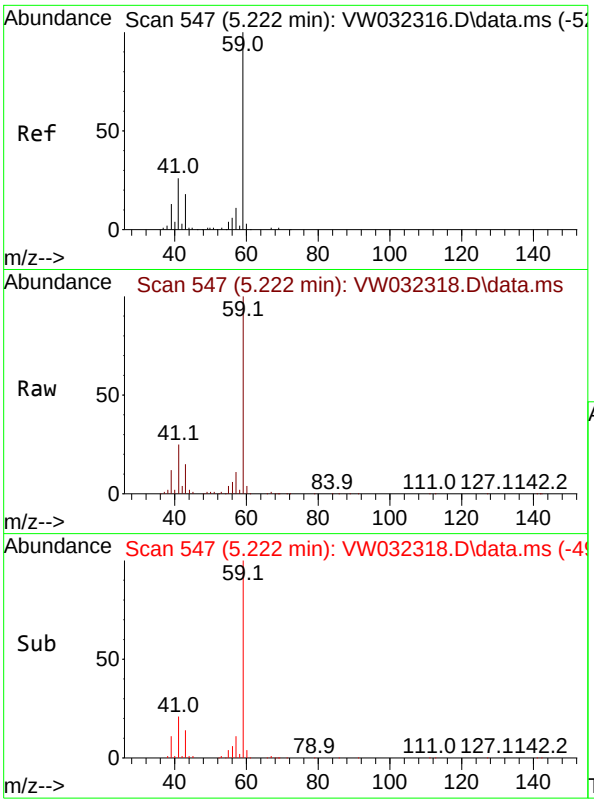


#10
Methyl Iodide
Concen: 147.136 ug/l
RT: 4.308 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:142 Resp: 634551

Ion	Ratio	Lower	Upper
142	100		
127	46.3	38.2	57.2
141	14.9	12.2	18.2





#11
Tert butyl alcohol
Concen: 728.258 ug/l
RT: 5.222 min Scan# 54
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

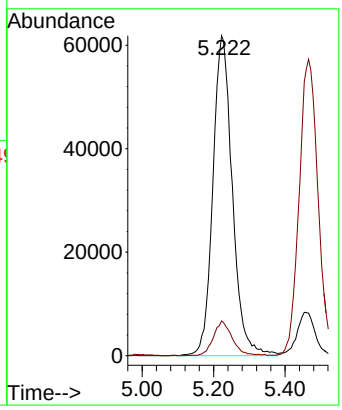
Tgt Ion: 59 Resp: 23409

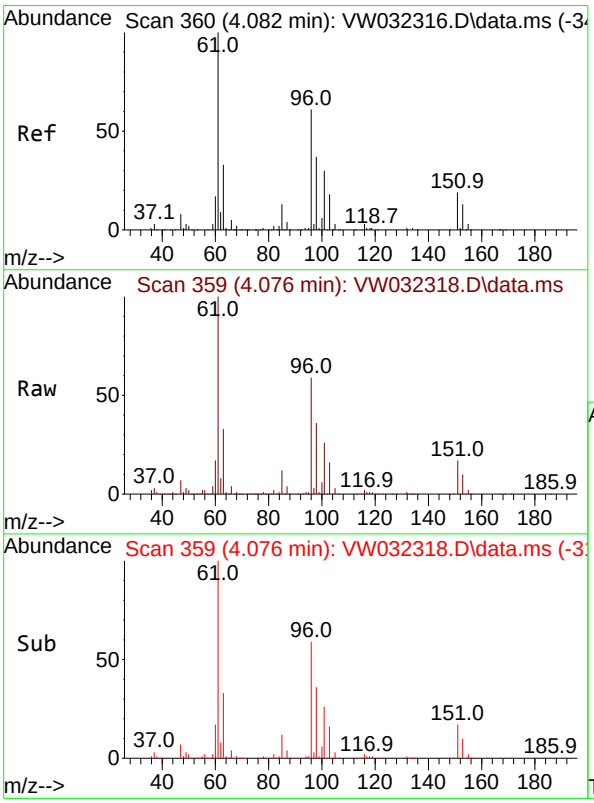
Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.8	14.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

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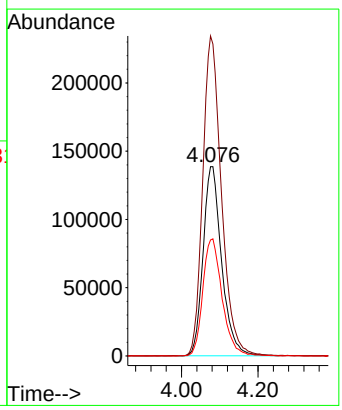


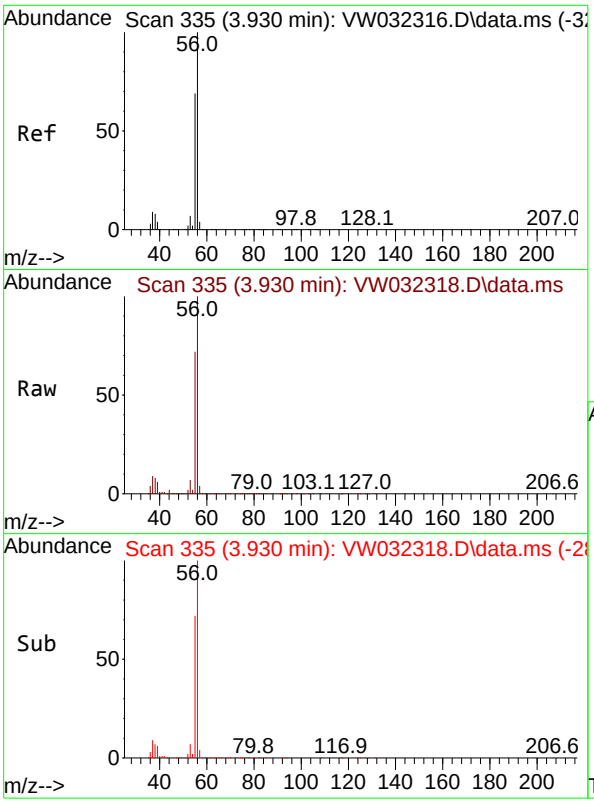


#12
1,1-Dichloroethene
Concen: 142.471 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 96 Resp: 467506

Ion	Ratio	Lower	Upper
96	100		
61	169.1	123.0	184.4
98	61.3	48.5	72.7

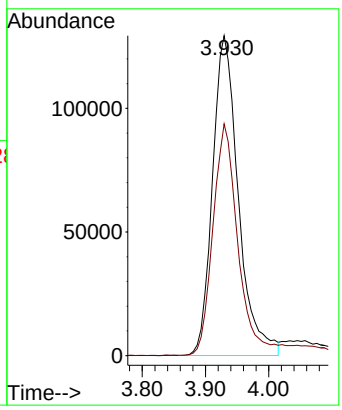




#13
Acrolein
Concen: 702.158 ug/l
RT: 3.930 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 56 Resp: 366309

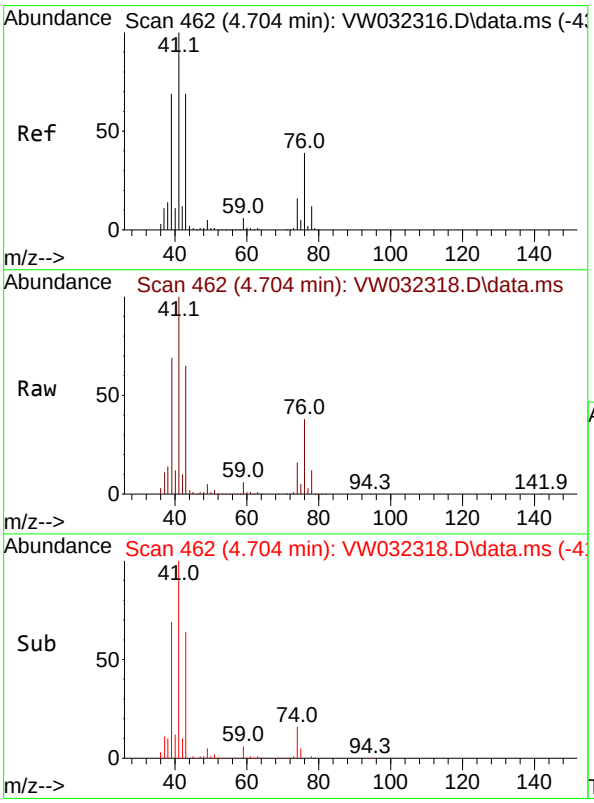
Ion	Ratio	Lower	Upper
56	100		
55	75.5	56.4	84.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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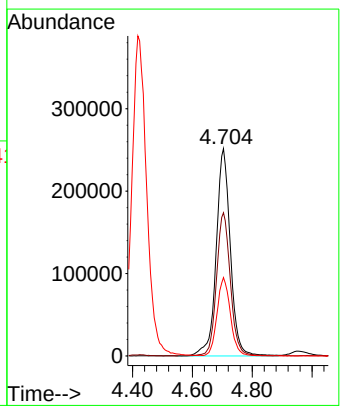
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

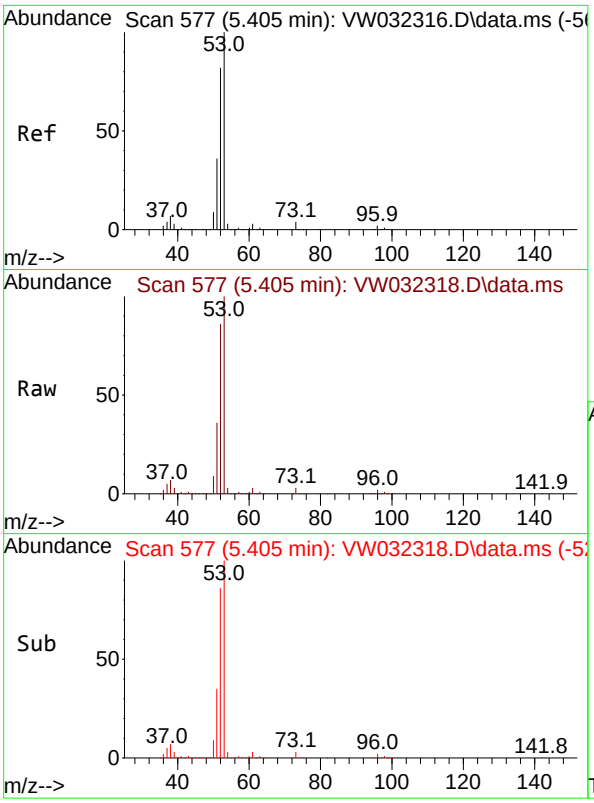


#14
Allyl chloride
Concen: 149.185 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 41 Resp: 826844

Ion	Ratio	Lower	Upper
41	100		
39	67.5	64.1	96.1
76	35.5	31.4	47.2

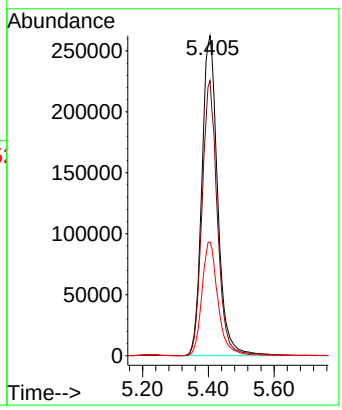




#15
Acrylonitrile
Concen: 768.664 ug/l
RT: 5.405 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 53 Resp: 87321

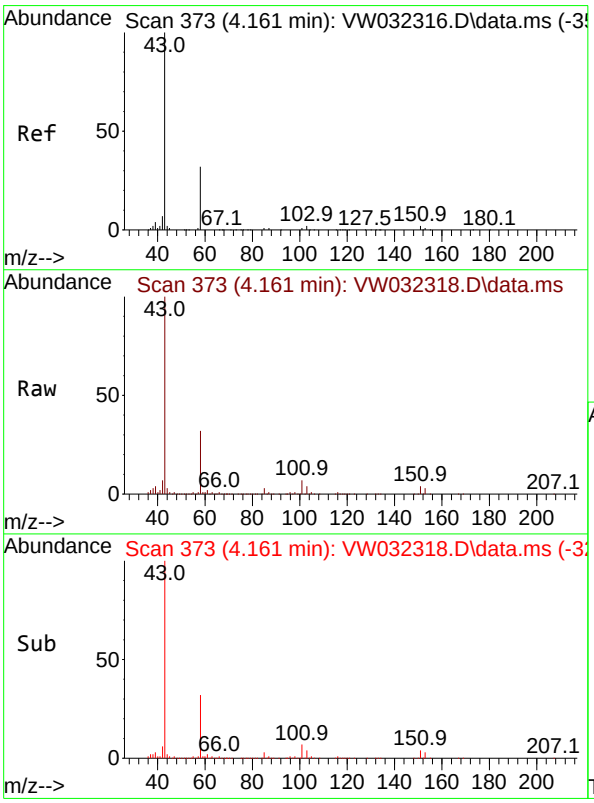
Ion	Ratio	Lower	Upper
53	100		
52	83.3	67.4	101.2
51	36.2	30.3	45.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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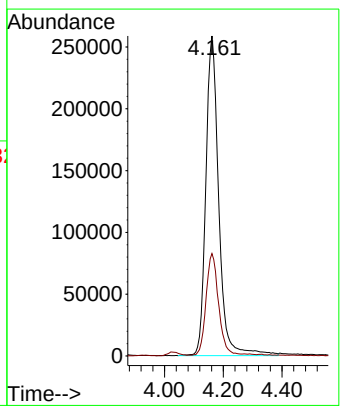
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

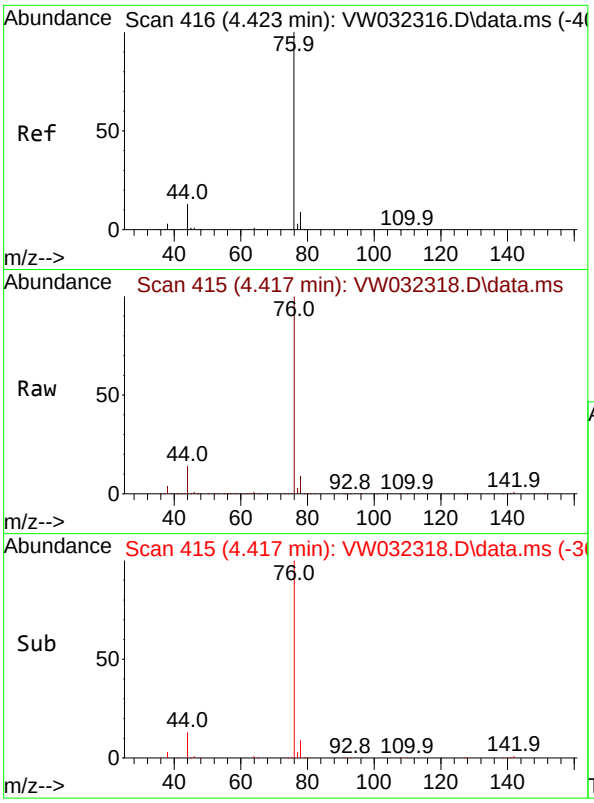


#16
Acetone
Concen: 672.241 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 43 Resp: 790475

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.3	37.9





#17
Carbon Disulfide
Concen: 148.374 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

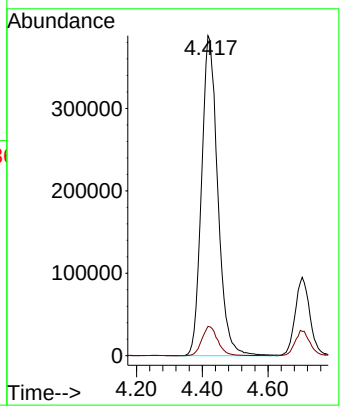
Tgt Ion: 76 Resp: 132843

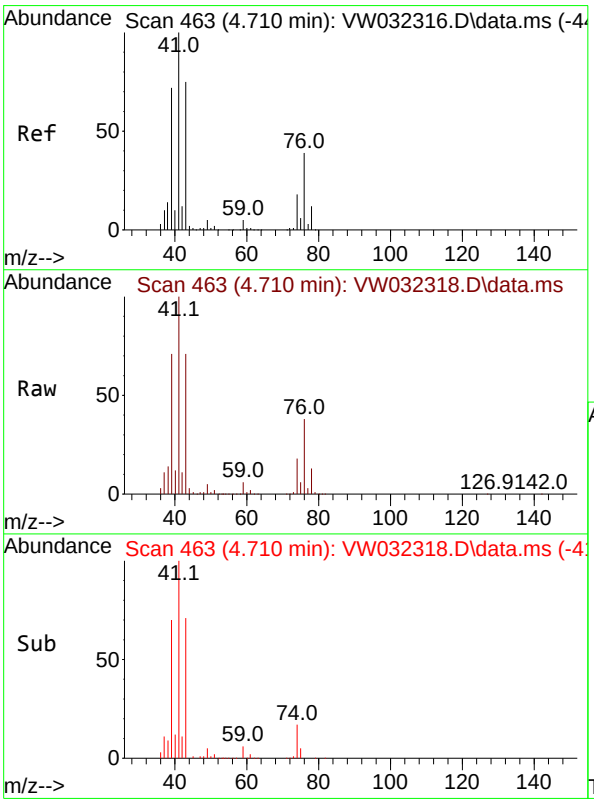
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

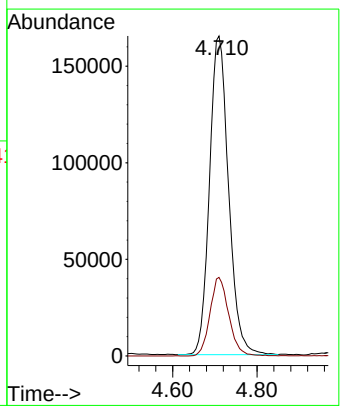


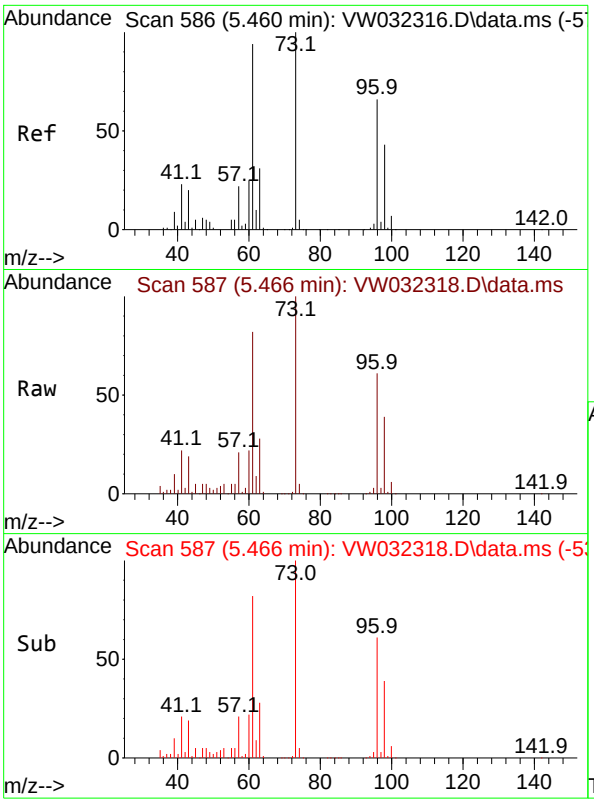


#18
Methyl Acetate
Concen: 153.605 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 43 Resp: 517404

Ion	Ratio	Lower	Upper
43	100		
74	24.3	20.2	30.4

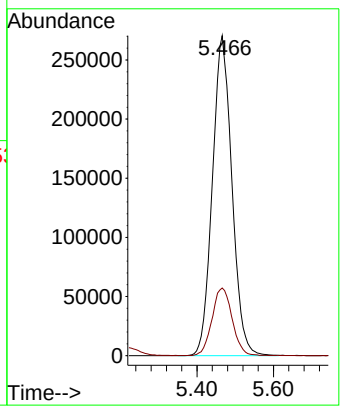




#19
Methyl tert-butyl Ether
Concen: 148.511 ug/l
RT: 5.466 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 73 Resp: 95982

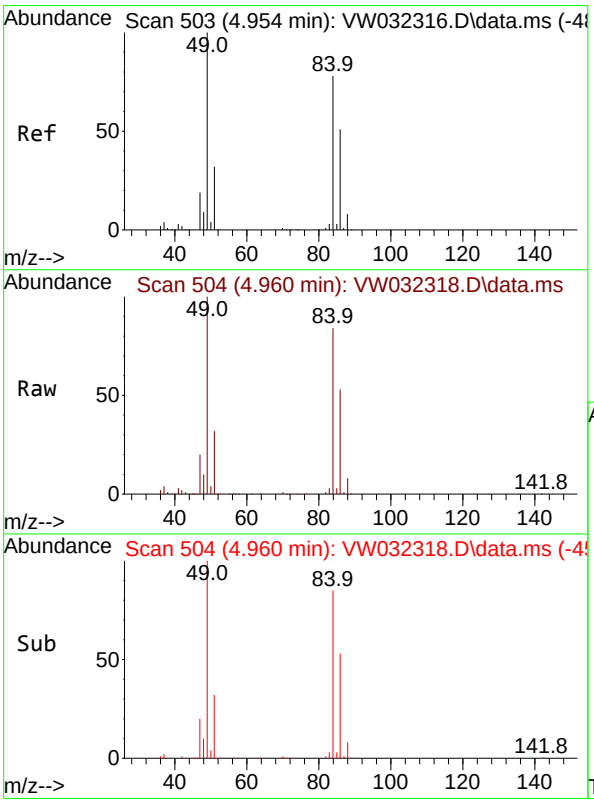
Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.2	24.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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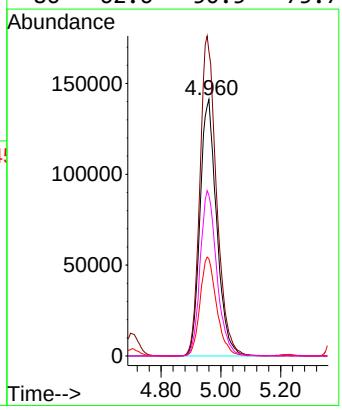
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

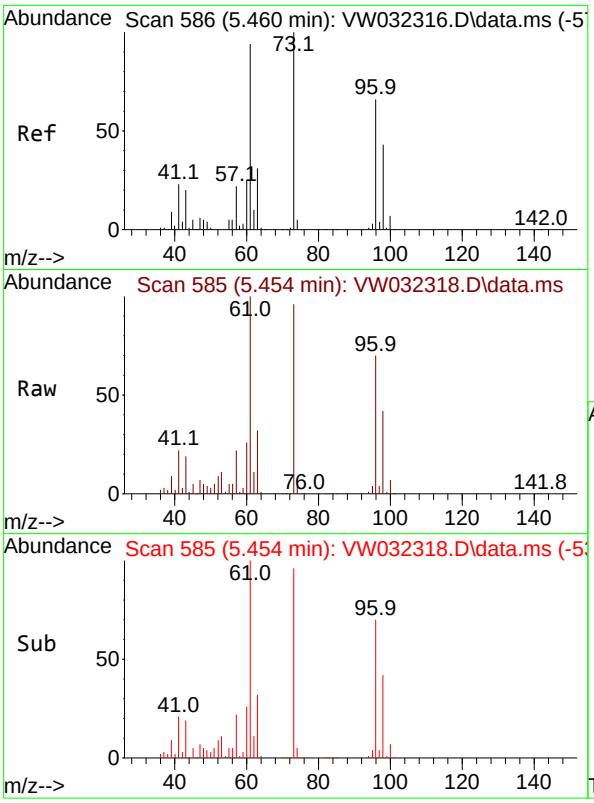


#20
Methylene Chloride
Concen: 151.150 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 84 Resp: 546261

Ion	Ratio	Lower	Upper
84	100		
49	118.7	92.2	138.4
51	37.8	31.0	46.6
86	62.6	50.5	75.7

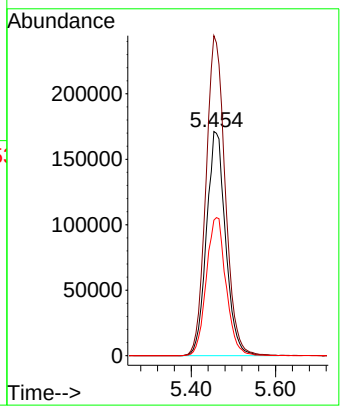




#21
trans-1,2-Dichloroethene
Concen: 148.302 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 96 Resp: 53877

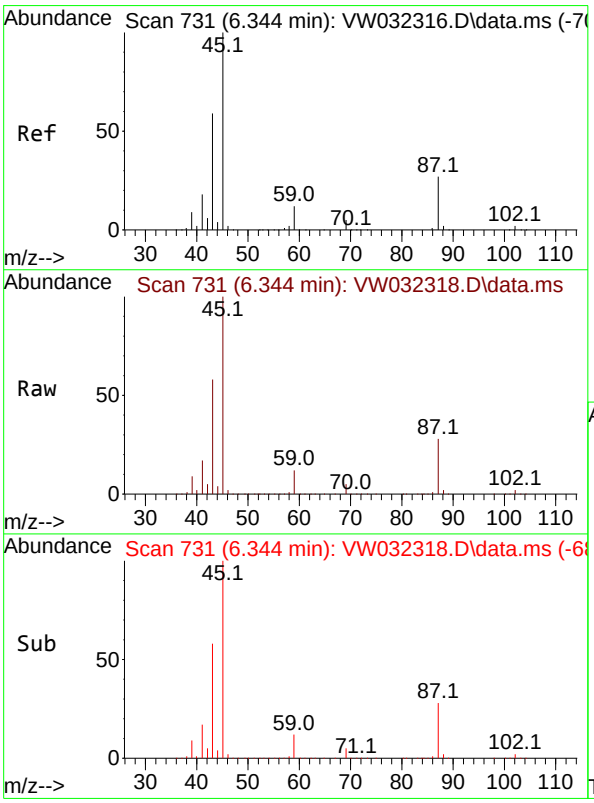
Ion	Ratio	Lower	Upper
96	100		
61	142.8	112.5	168.7
98	60.5	54.2	81.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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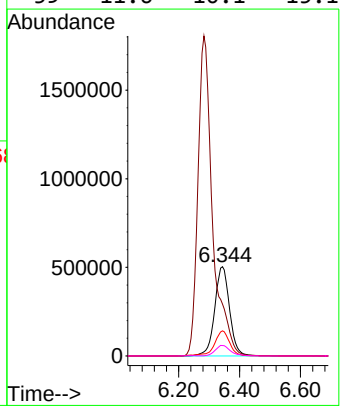
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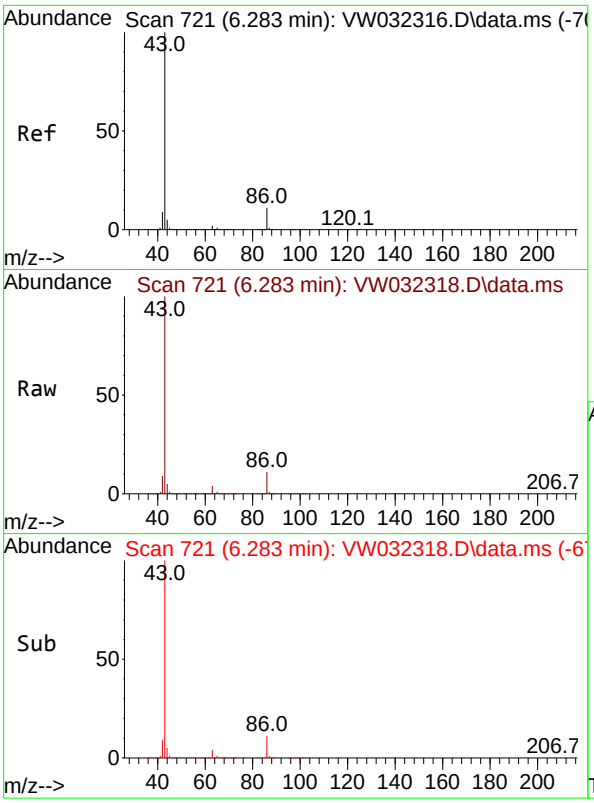


#22
Diisopropyl ether
Concen: 148.385 ug/l
RT: 6.344 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 45 Resp: 1710365

Ion	Ratio	Lower	Upper
45	100		
43	58.1	51.4	77.2
87	28.1	25.9	38.9
59	11.6	10.1	15.1





#23
Vinyl Acetate
Concen: 782.812 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

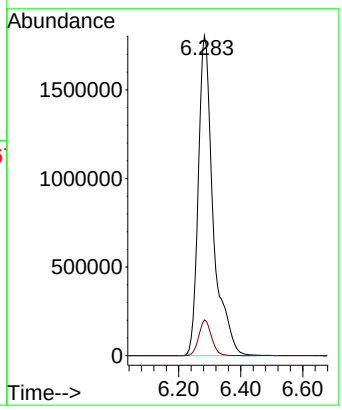
Tgt Ion: 43 Resp: 602685

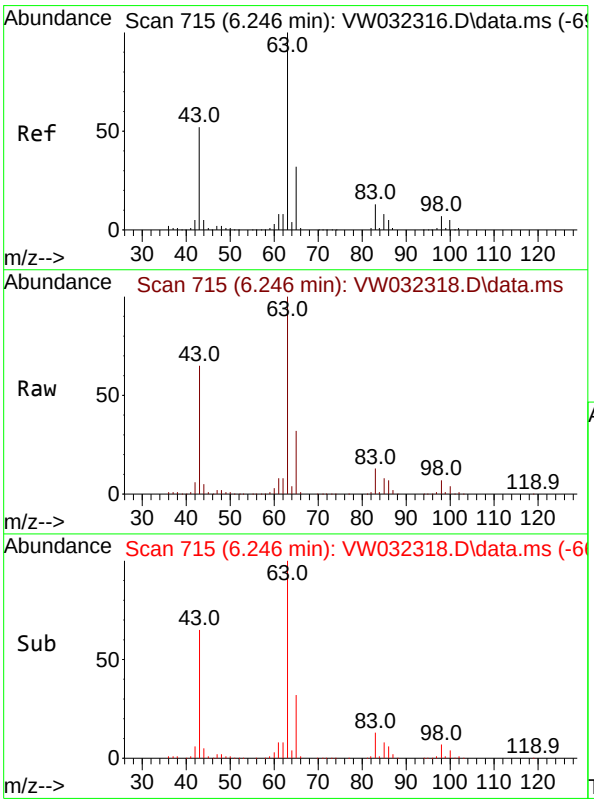
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.8	13.2

Instrument :
MSVOA_W
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VSTDICC150

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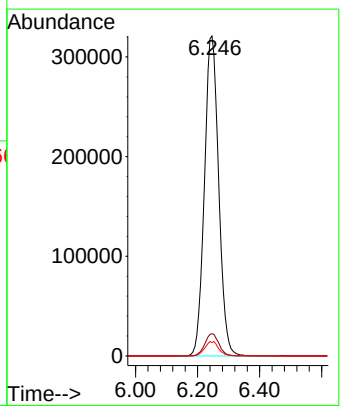


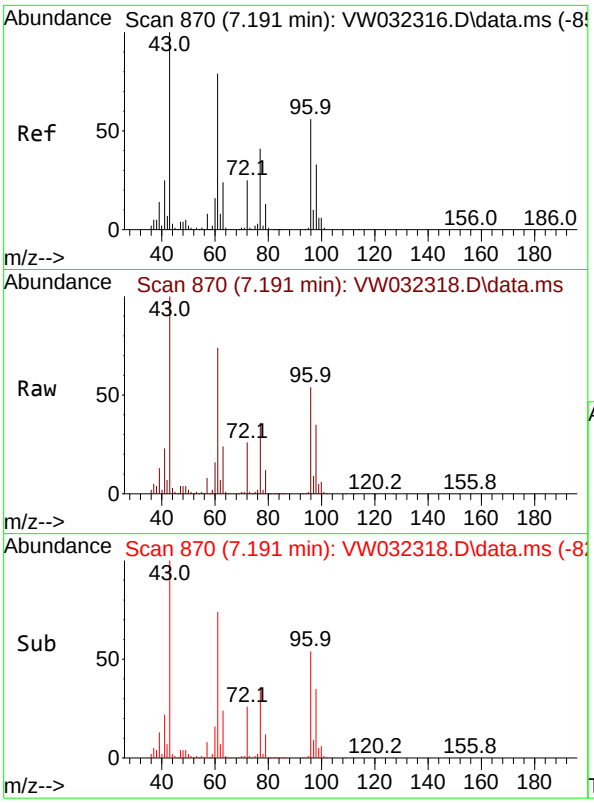


#24
1,1-Dichloroethane
Concen: 146.150 ug/l
RT: 6.246 min Scan# 715
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 63 Resp: 1023465

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.2	2.5	7.5





#25
2-Butanone
Concen: 755.574 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

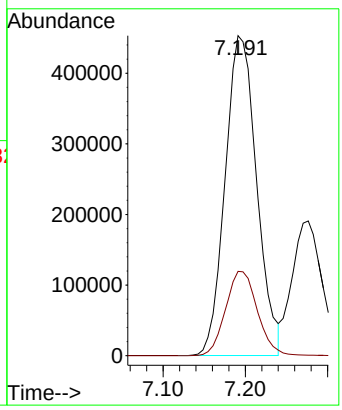
Tgt Ion: 43 Resp: 121004

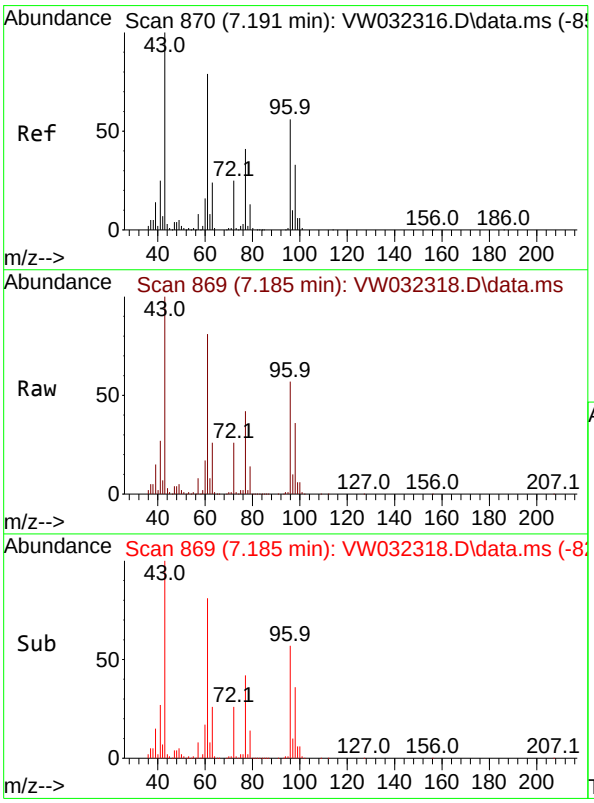
Ion	Ratio	Lower	Upper
43	100		
72	26.3	21.4	32.2

Instrument :
MSVOA_W
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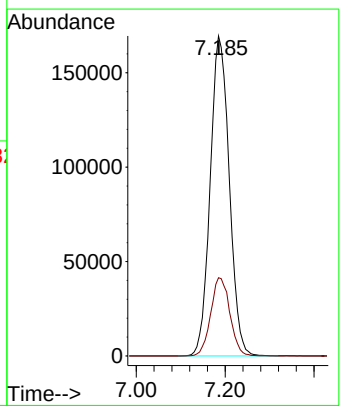


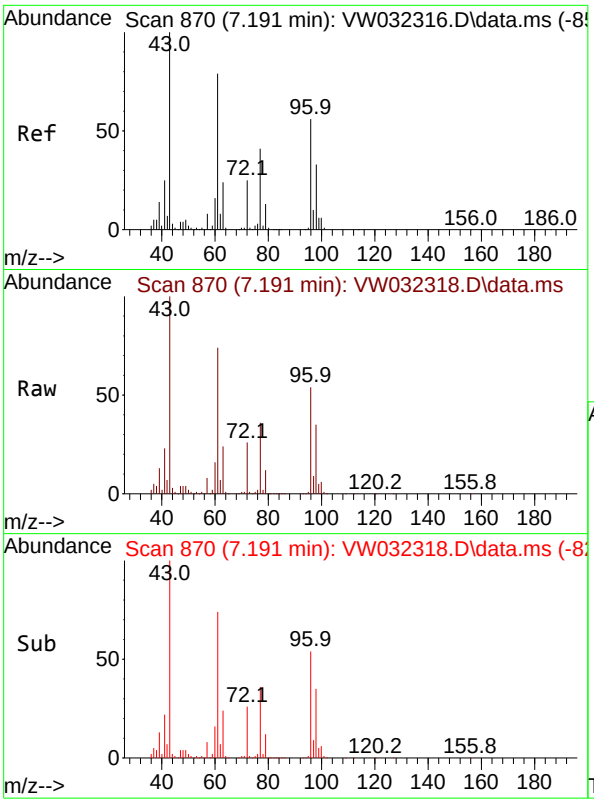


#26
2,2-Dichloropropane
Concen: 140.732 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 77 Resp: 504110

Ion	Ratio	Lower	Upper
77	100		
97	24.5	11.9	35.5





#27
cis-1,2-Dichloroethene
Concen: 148.941 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

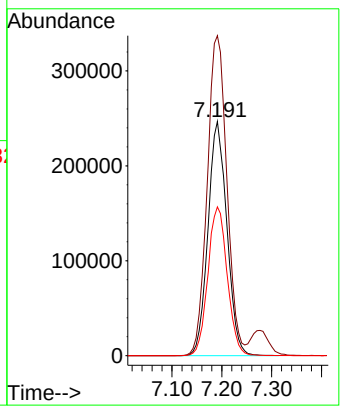
Tgt Ion: 96 Resp: 65004

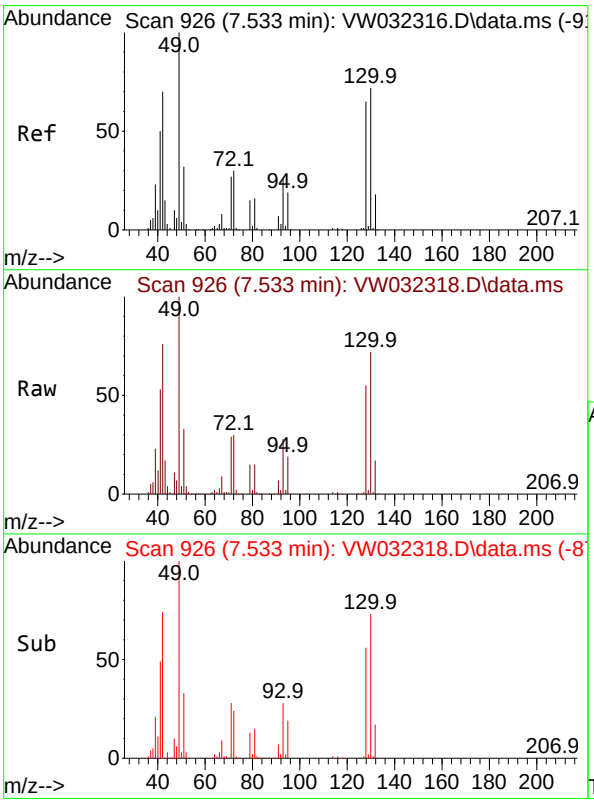
Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	268.0
98	65.1	0.0	130.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

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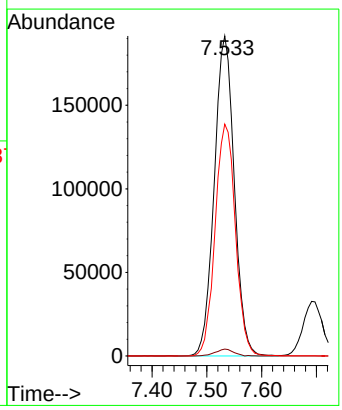


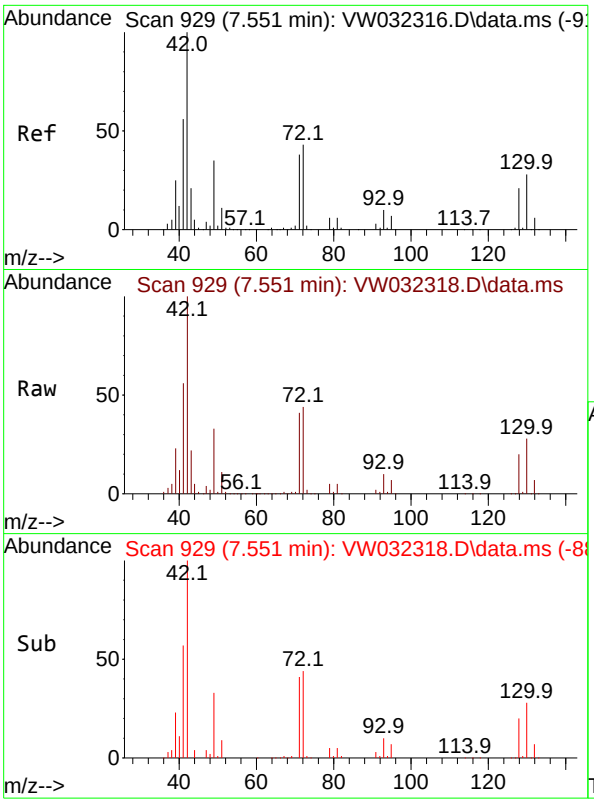


#28
Bromochloromethane
Concen: 147.682 ug/l
RT: 7.533 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 49 Resp: 486570

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	73.5	67.5	101.3

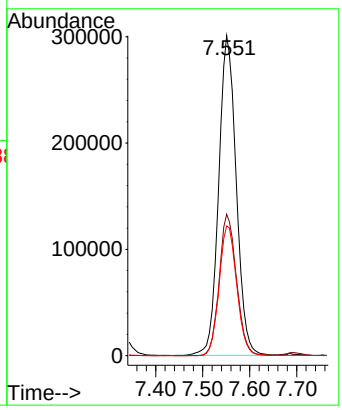




#29
Tetrahydrofuran
Concen: 776.649 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 42 Resp: 78218

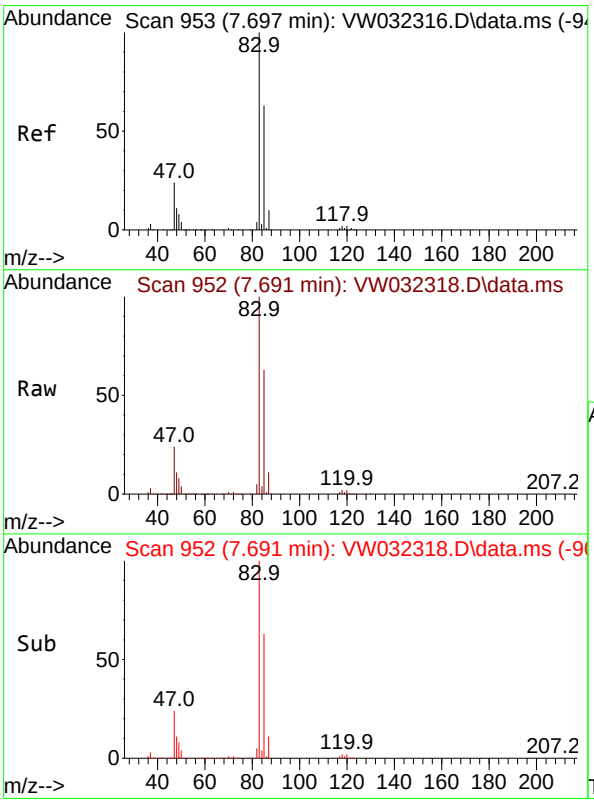
Ion	Ratio	Lower	Upper
42	100		
72	43.6	37.4	56.2
71	40.8	36.0	54.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

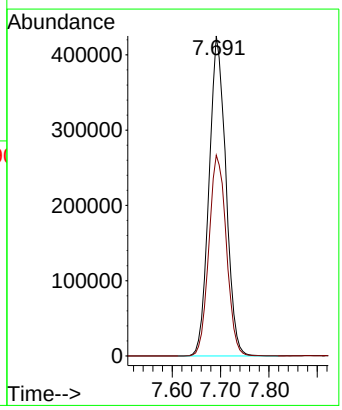
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

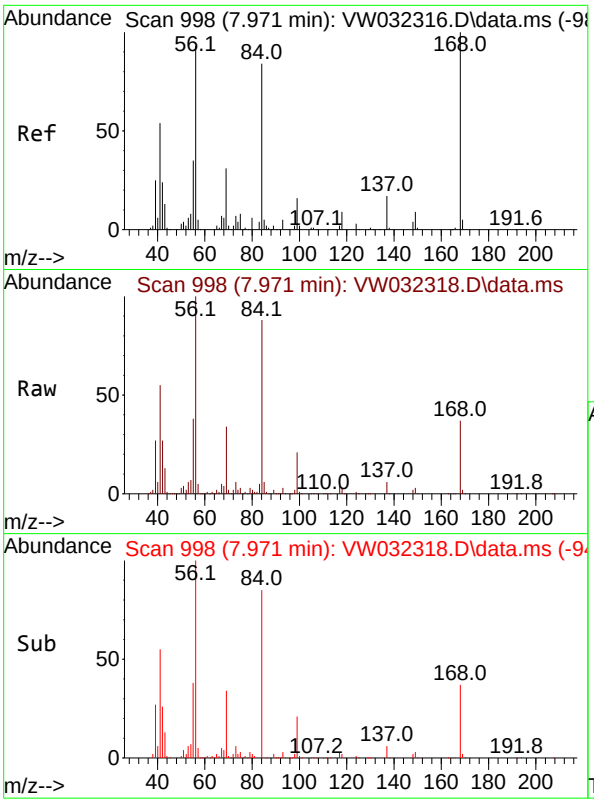


#30
Chloroform
Concen: 144.857 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 83 Resp: 1028785

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.2	76.8

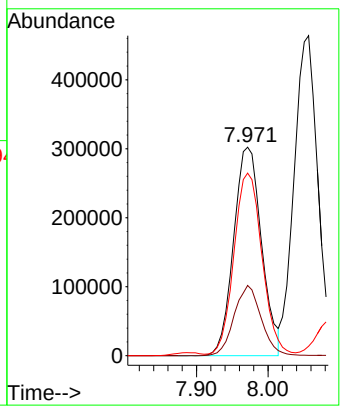




#31
Cyclohexane
Concen: 137.222 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 56 Resp: 82037

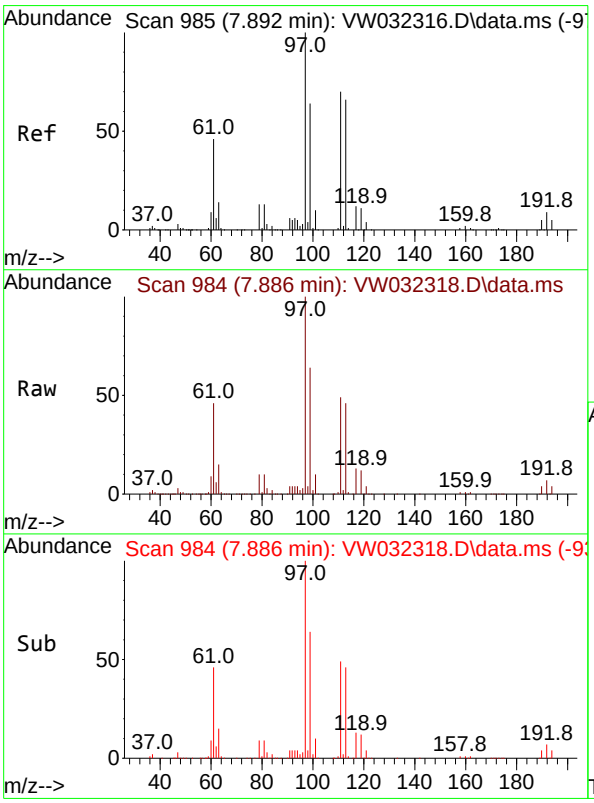
Ion	Ratio	Lower	Upper
56	100		
69	33.7	27.7	41.5
84	86.5	74.6	112.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

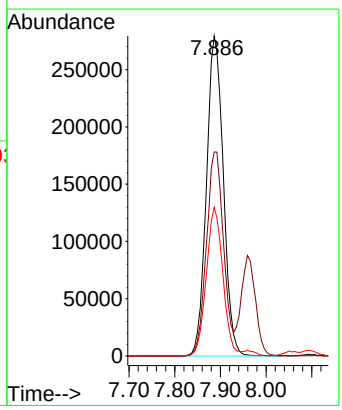
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

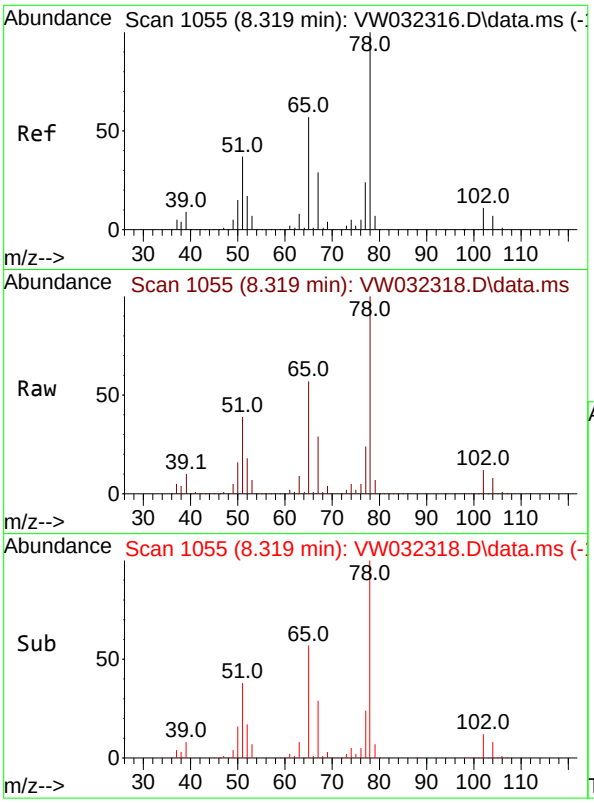


#32
1,1,1-Trichloroethane
Concen: 142.581 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 97 Resp: 717558

Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.9	76.3
61	45.7	36.2	54.4

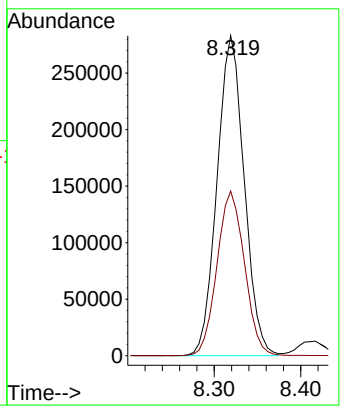




#33
1,2-Dichloroethane-d4
Concen: 145.223 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 65 Resp: 61671

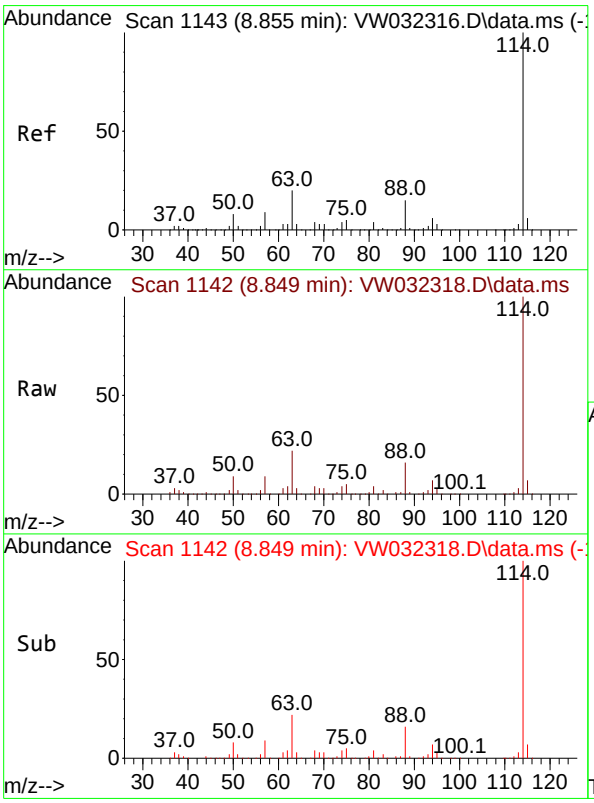
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	99.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

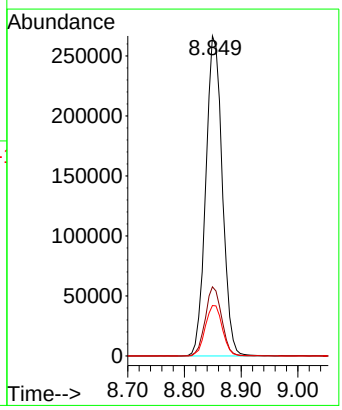
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

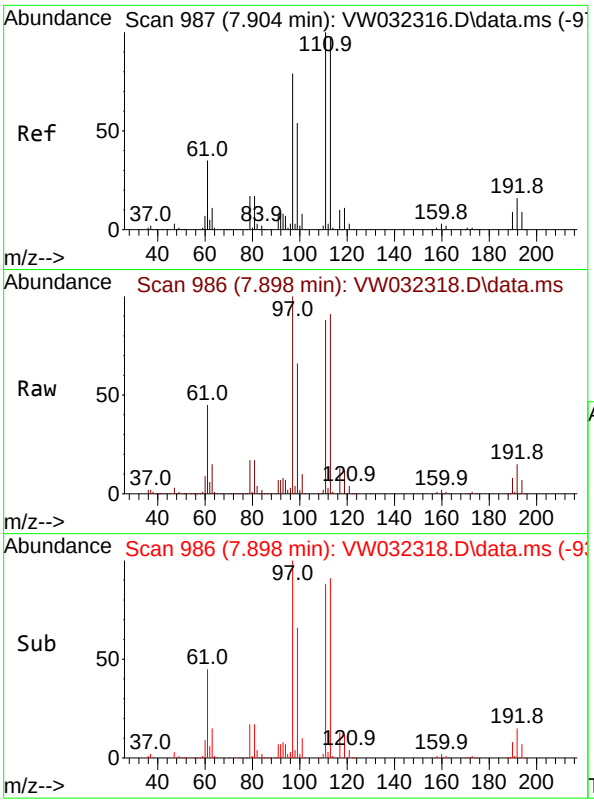


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:114 Resp: 539030

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	40.4
88	15.7	0.0	32.0





#35
Dibromofluoromethane
Concen: 144.249 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

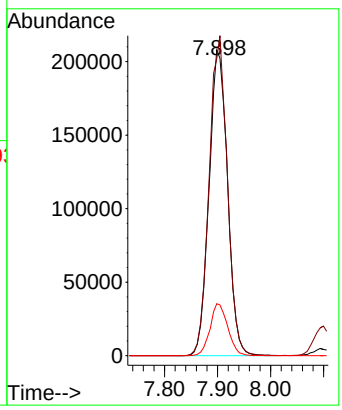
Tgt Ion:113 Resp: 50354

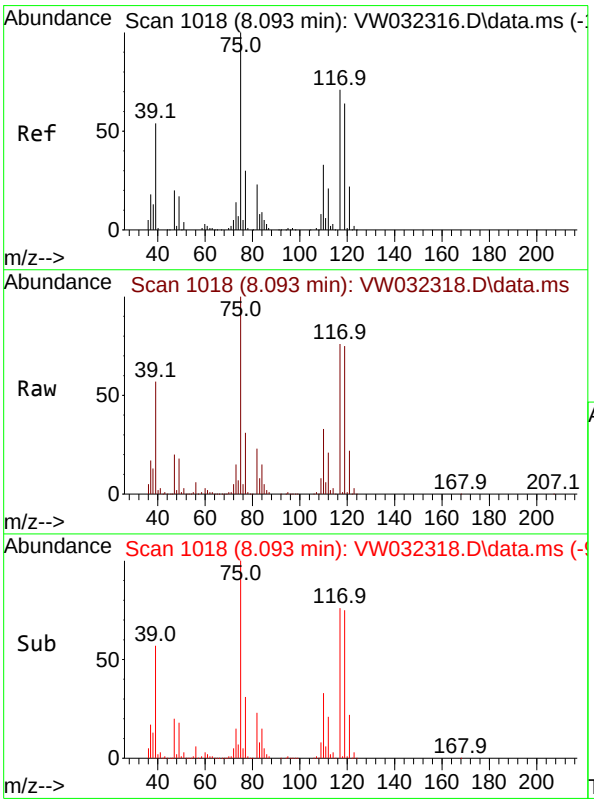
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.9	125.9
192	16.3	14.6	21.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

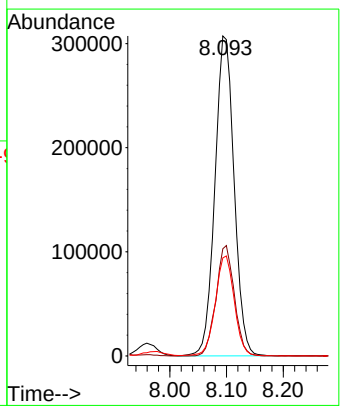


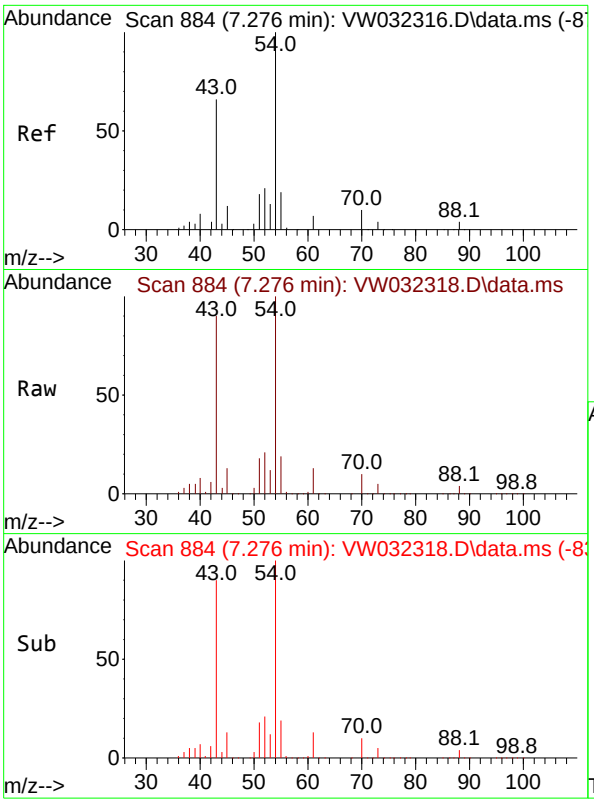


#36
1,1-Dichloropropene
Concen: 146.511 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 75 Resp: 721795

Ion	Ratio	Lower	Upper
75	100		
110	33.1	17.5	52.5
77	31.0	24.1	36.1





#37
Ethyl Acetate
Concen: 152.893 ug/l
RT: 7.276 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

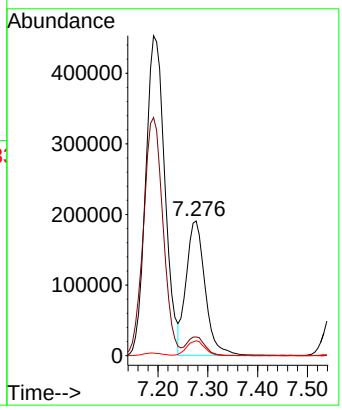
Tgt Ion: 43 Resp: 50136

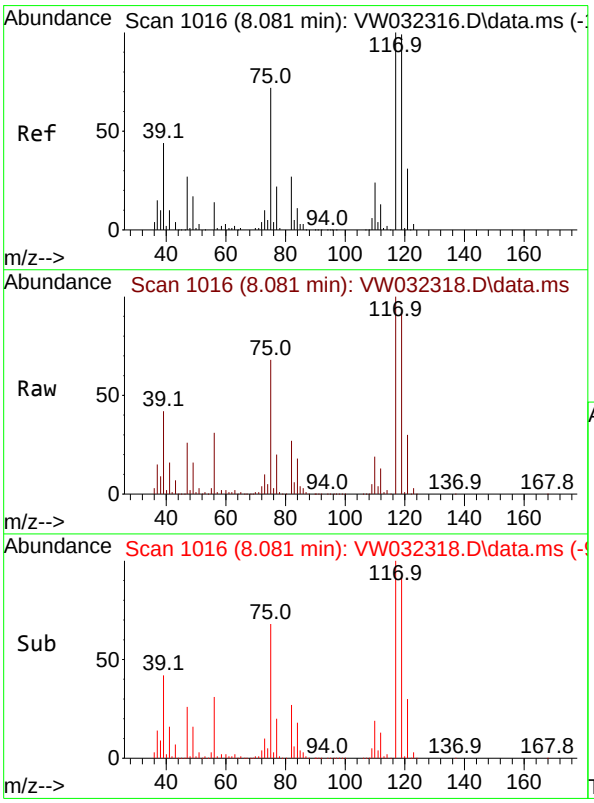
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.3	16.9
70	10.6	8.9	13.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

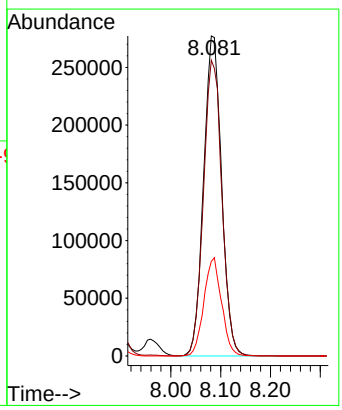


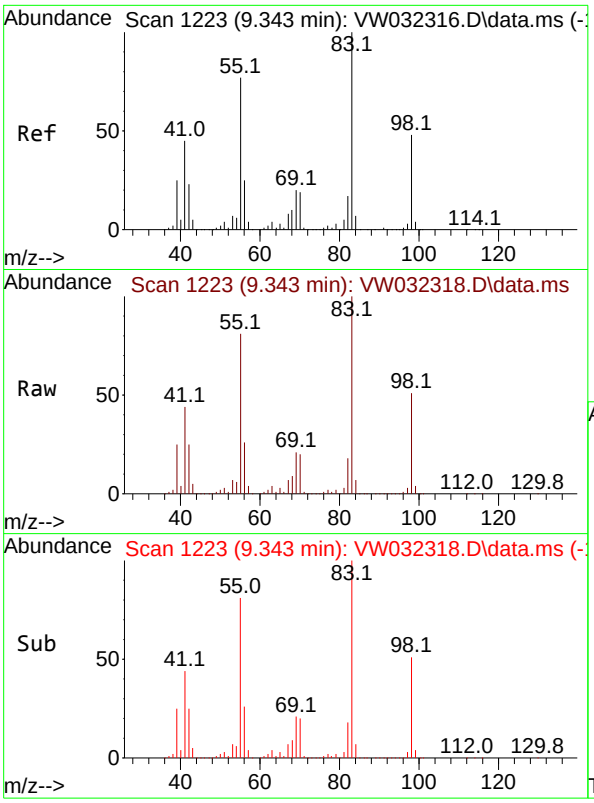


#38
Carbon Tetrachloride
Concen: 149.786 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:117 Resp: 694408

Ion	Ratio	Lower	Upper
117	100		
119	92.4	74.2	111.2
121	29.6	25.6	38.4

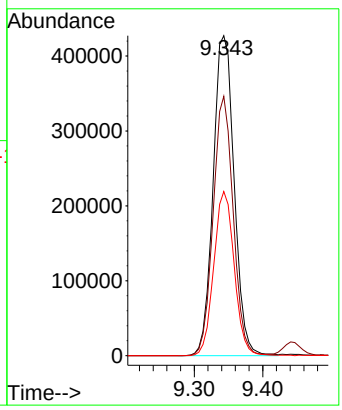




#39
Methylcyclohexane
Concen: 152.772 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 83 Resp: 90785

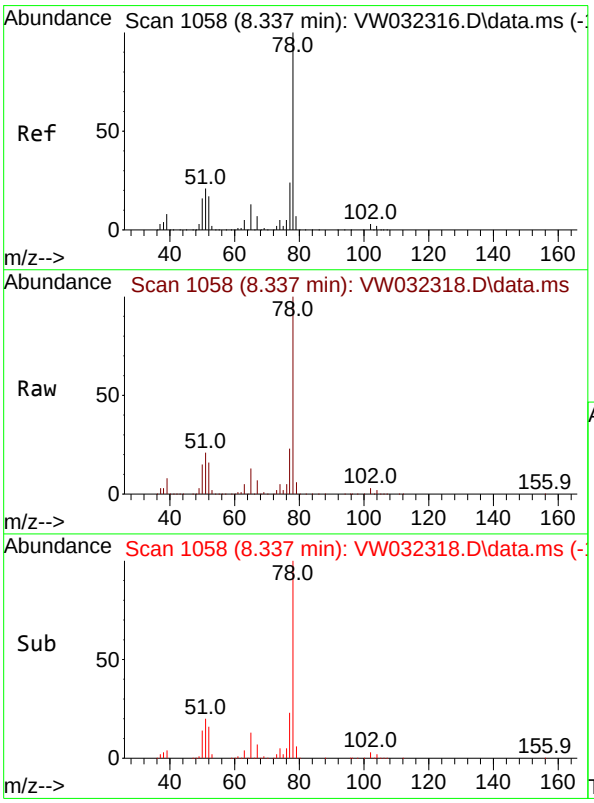
Ion	Ratio	Lower	Upper
83	100		
55	81.0	58.4	87.6
98	51.3	39.4	59.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

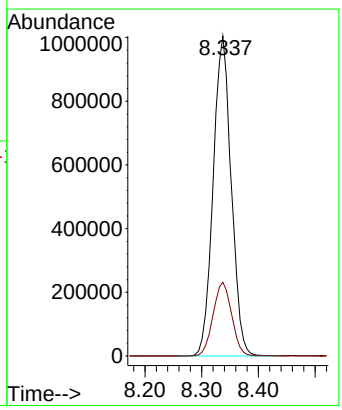
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

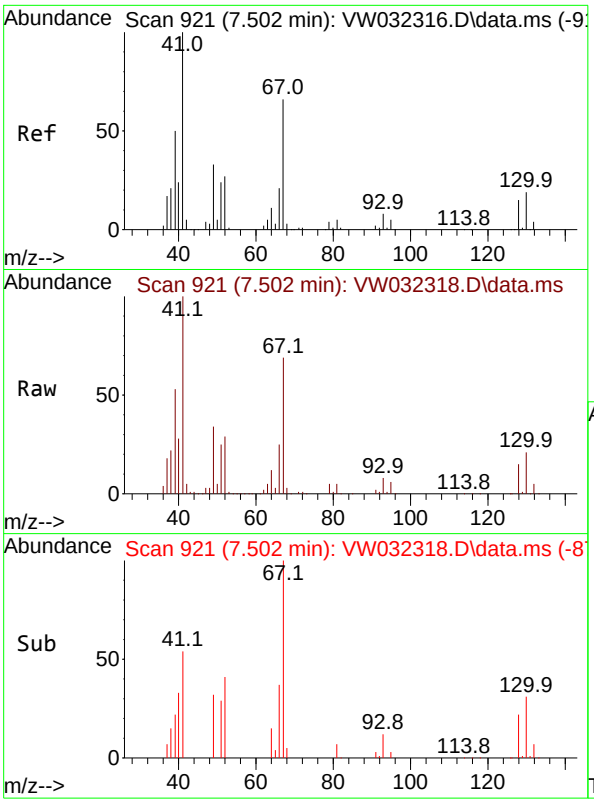


#40
Benzene
Concen: 143.766 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 78 Resp: 2220041

Ion	Ratio	Lower	Upper
78	100		
77	23.1	20.7	31.1

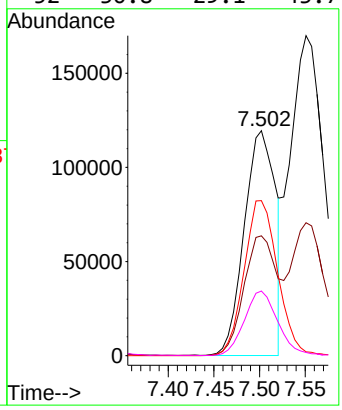




#41
Methacrylonitrile
Concen: 160.121 ug/l
RT: 7.502 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 41 Resp: 28296

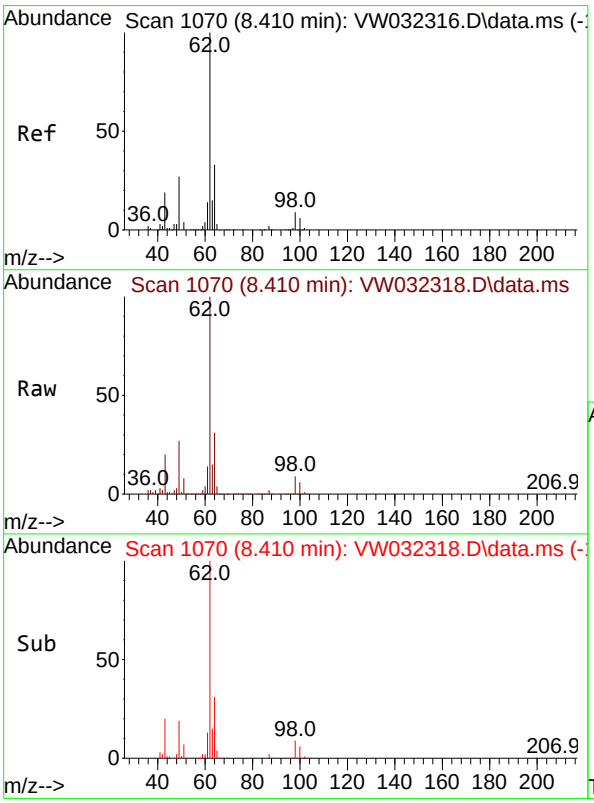
Ion	Ratio	Lower	Upper
41	100		
39	58.5	50.9	76.3
67	74.8	65.6	98.4
52	30.8	29.1	43.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

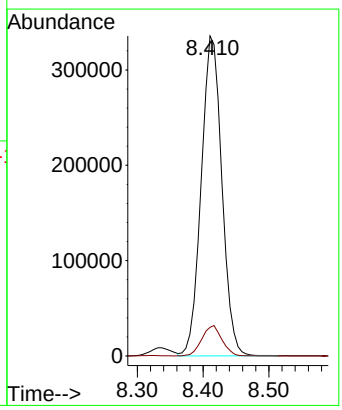
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

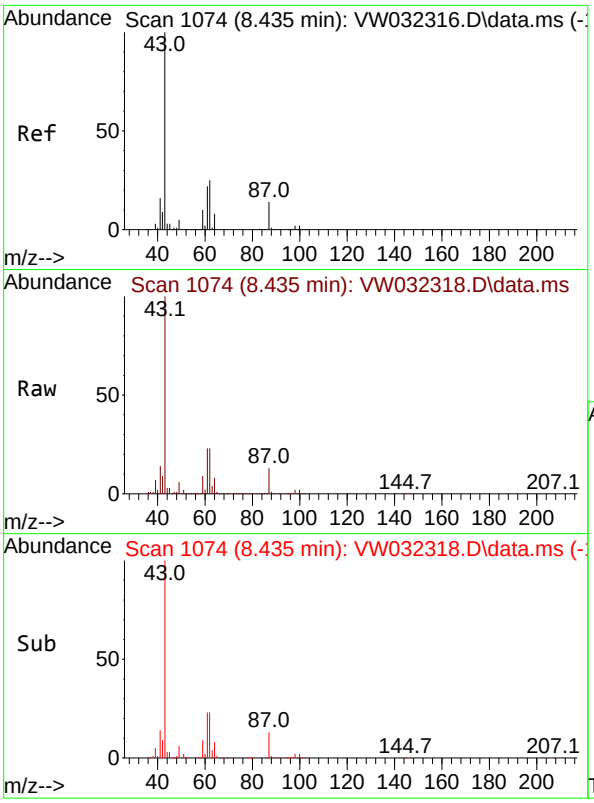


#42
1,2-Dichloroethane
Concen: 144.899 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 62 Resp: 732140

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0





#43
Isopropyl Acetate
Concen: 159.826 ug/l
RT: 8.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

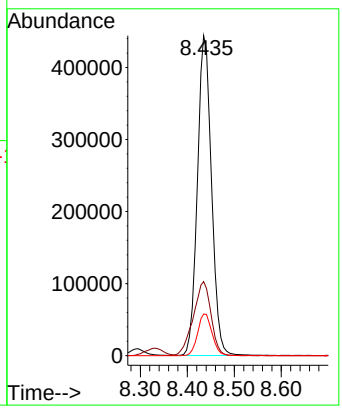
Tgt Ion: 43 Resp: 92973

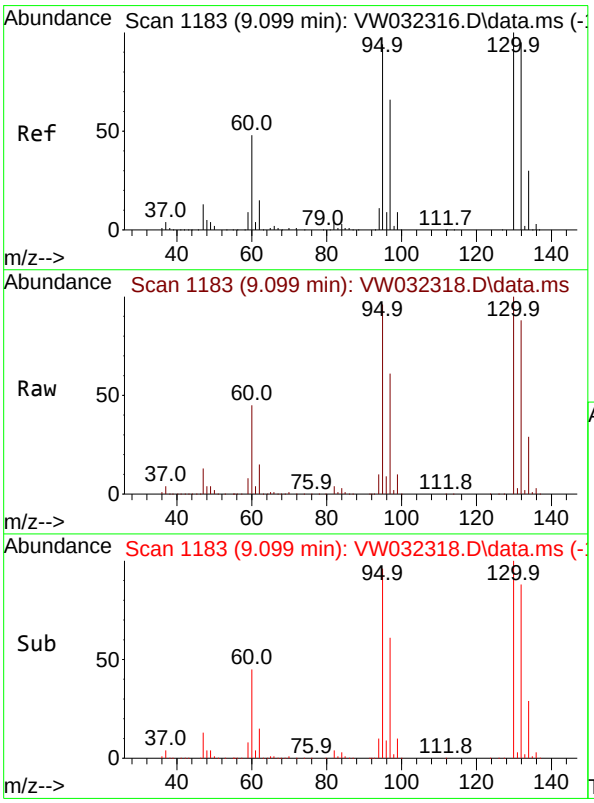
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.3	34.9
87	13.3	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

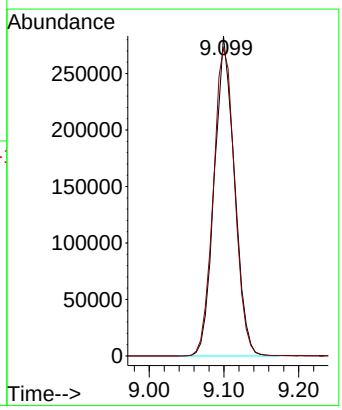


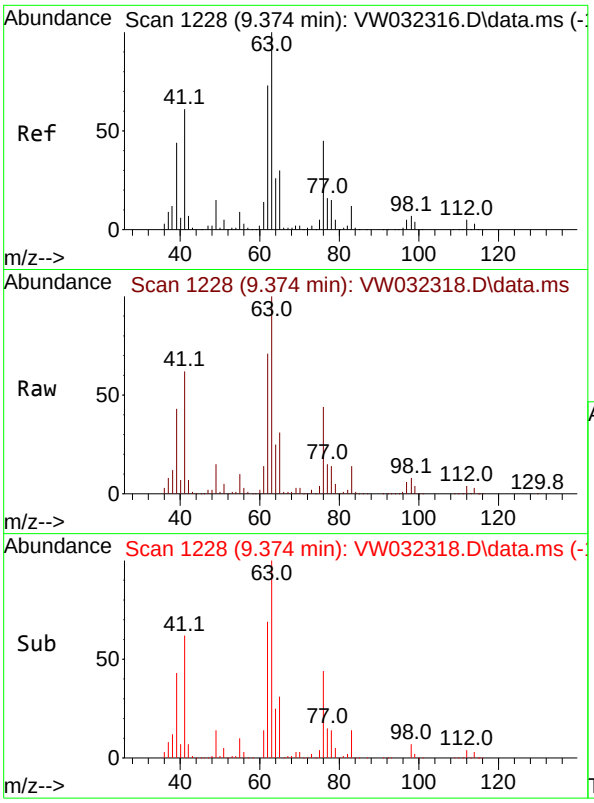


#44
Trichloroethene
Concen: 147.127 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:130 Resp: 531979

Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	220.0

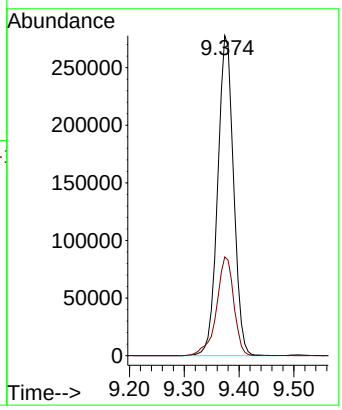




#45
1,2-Dichloropropane
Concen: 145.193 ug/l
RT: 9.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 63 Resp: 55963

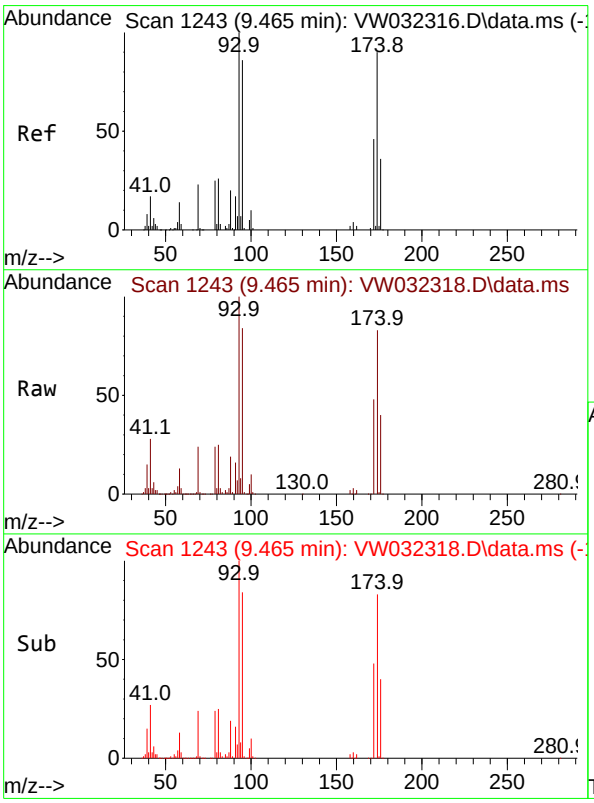
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.3	36.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

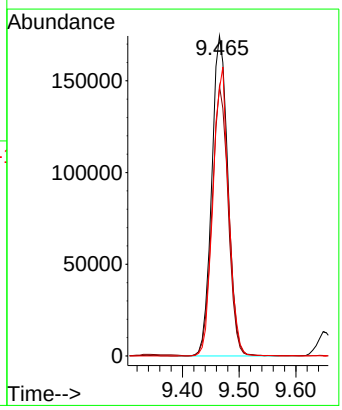
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

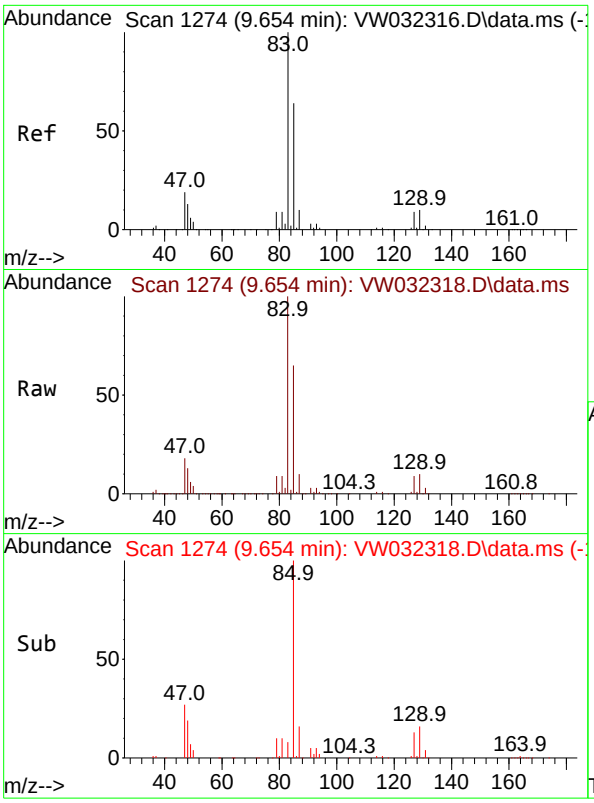


#46
Dibromomethane
Concen: 146.565 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 93 Resp: 347379

Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.4	101.2
174	86.8	75.7	113.5

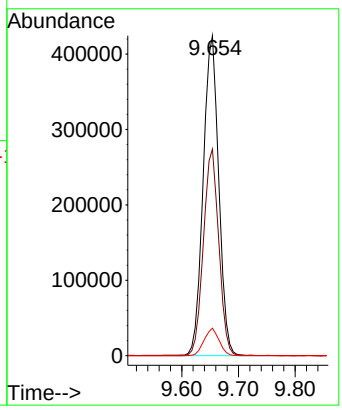




#47
Bromodichloromethane
Concen: 149.030 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 83 Resp: 80790

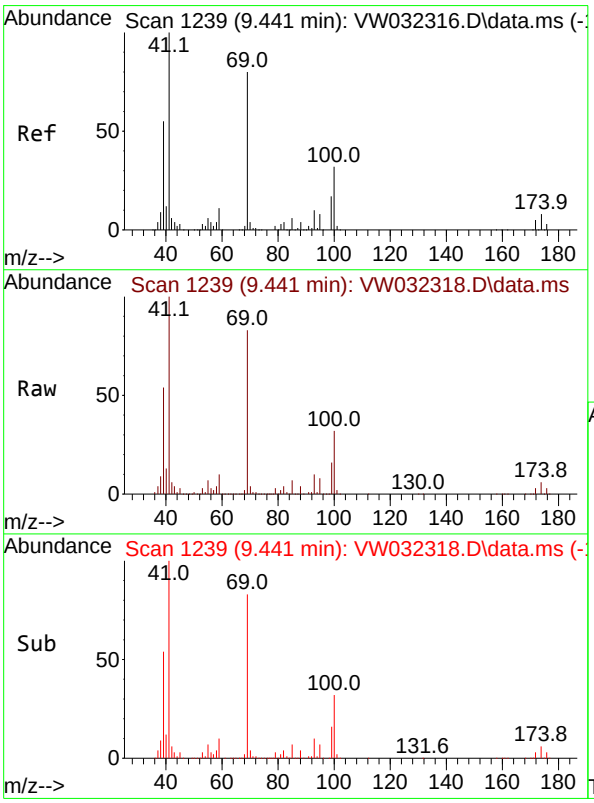
Ion	Ratio	Lower	Upper
83	100		
85	64.6	48.7	73.1
127	8.6	6.4	9.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

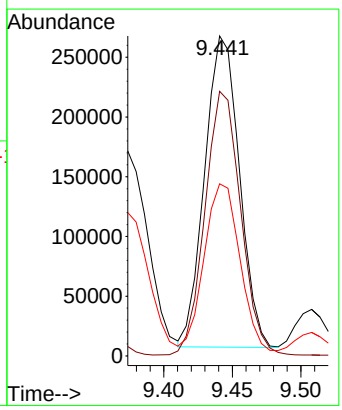
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

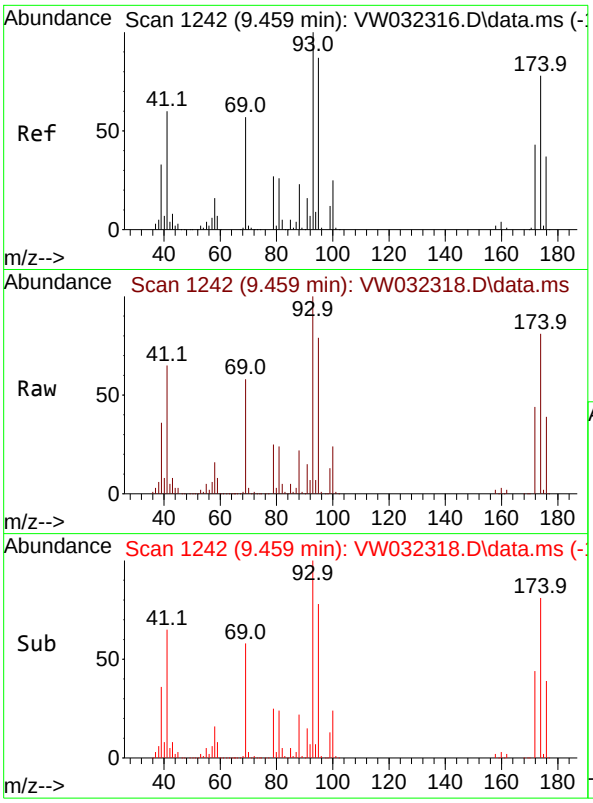


#48
Methyl methacrylate
Concen: 162.411 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 41 Resp: 459352

Ion	Ratio	Lower	Upper
41	100		
69	88.2	71.5	107.3
39	54.3	55.9	83.9#

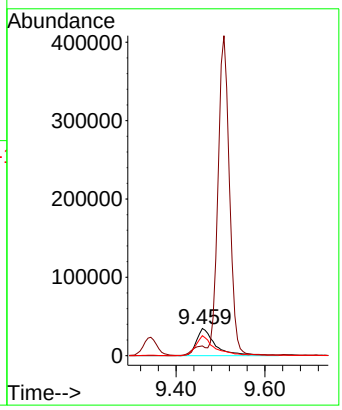




#49
1,4-Dioxane
Concen: 3174.916 ug/l
RT: 9.459 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 88 Resp: 10285

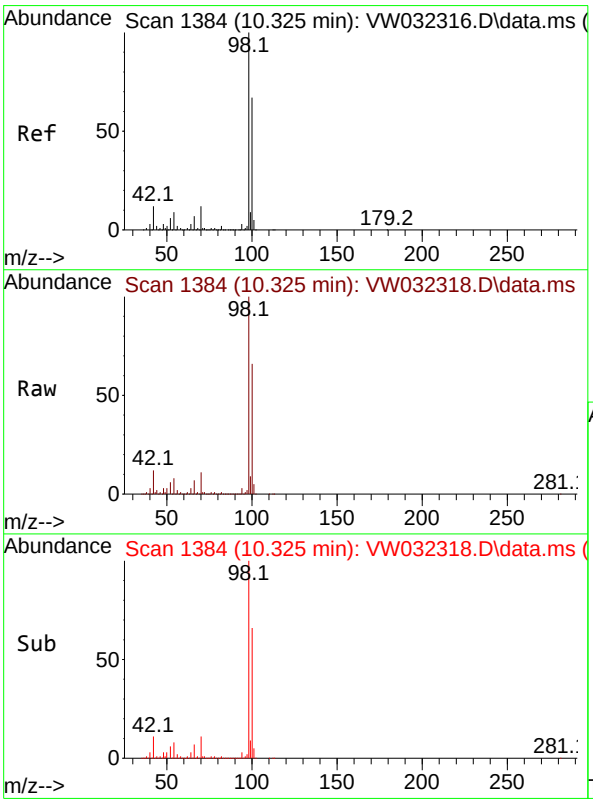
Ion	Ratio	Lower	Upper
88	100		
43	26.7	18.0	27.0
58	74.8	55.4	83.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

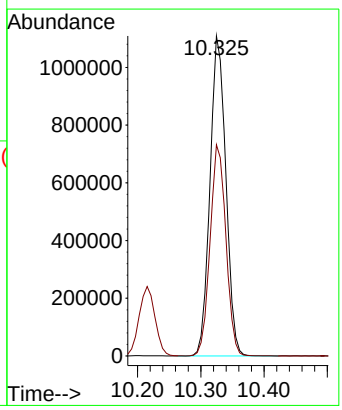
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

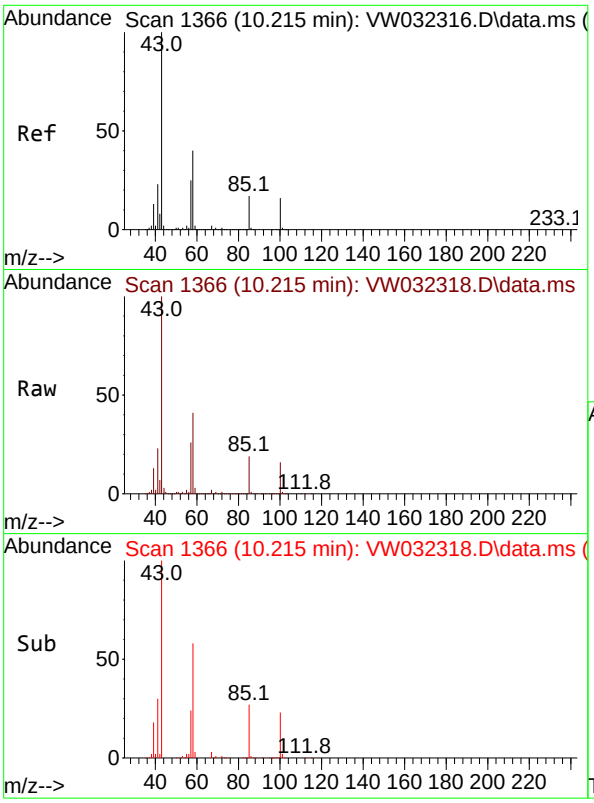


#50
Toluene-d8
Concen: 149.885 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 98 Resp: 1931096

Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.4	77.2





#51
4-Methyl-2-Pentanone
Concen: 760.880 ug/l
RT: 10.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

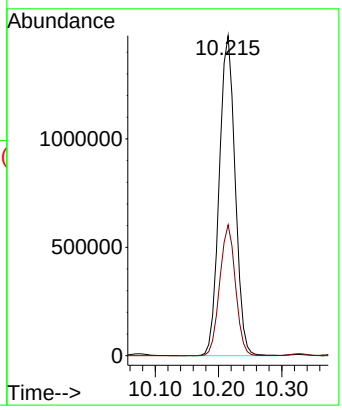
Tgt Ion: 43 Resp: 256364

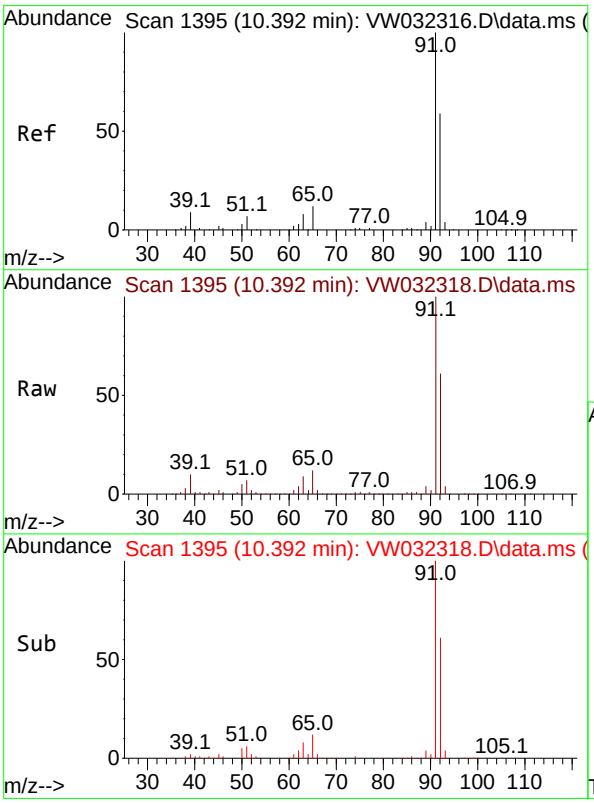
Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.0	48.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

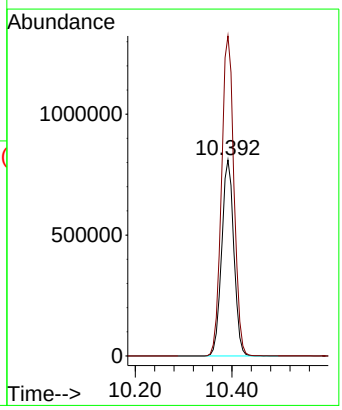


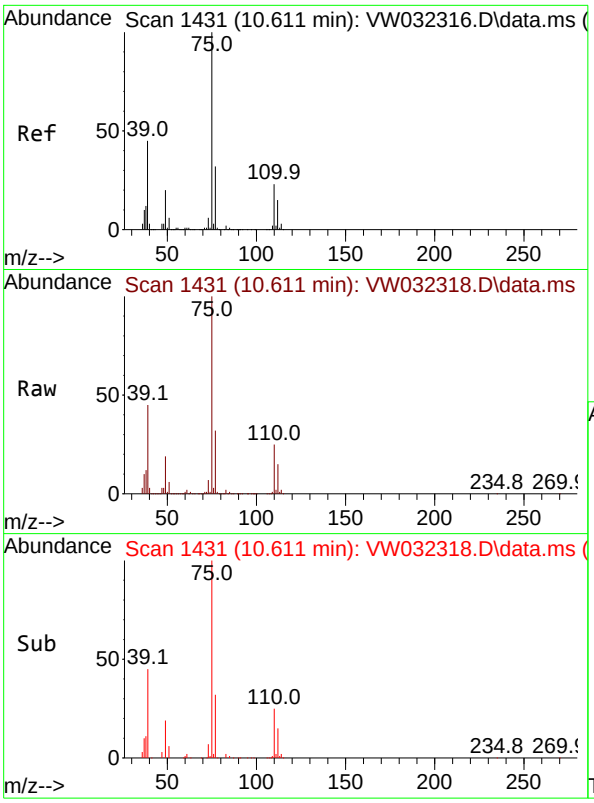


#52
Toluene
Concen: 147.299 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 92 Resp: 1416495

Ion	Ratio	Lower	Upper
92	100		
91	166.7	137.5	206.3





#53
t-1,3-Dichloropropene
Concen: 160.824 ug/l
RT: 10.611 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

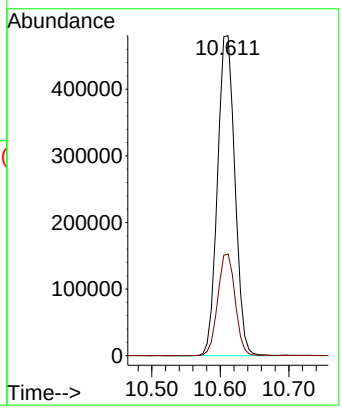
Tgt Ion: 75 Resp: 84582

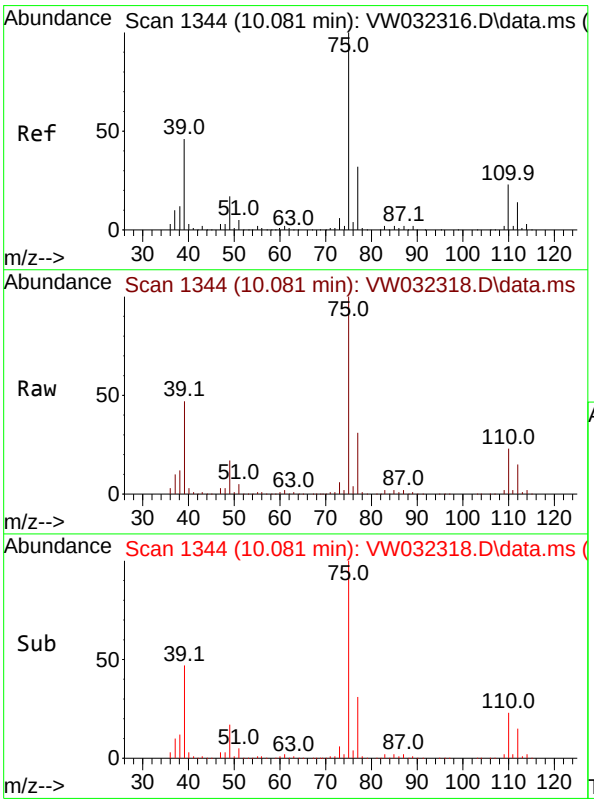
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

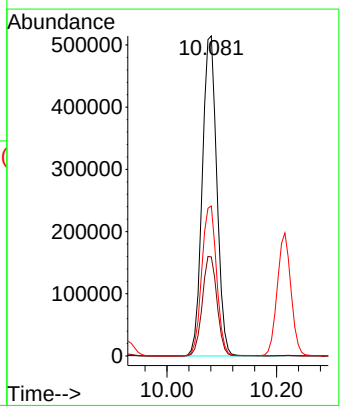


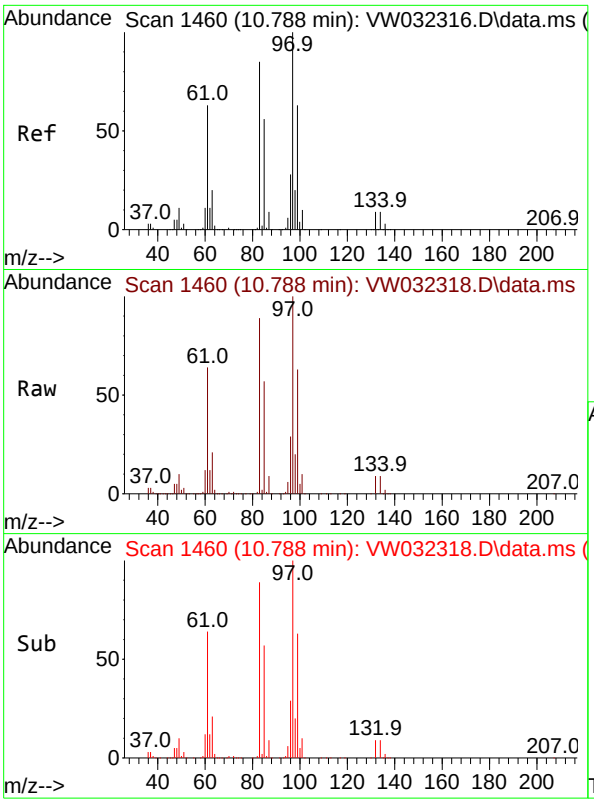


#54
cis-1,3-Dichloropropene
Concen: 155.941 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 75 Resp: 944717

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.1	37.7
39	46.8	43.2	64.8

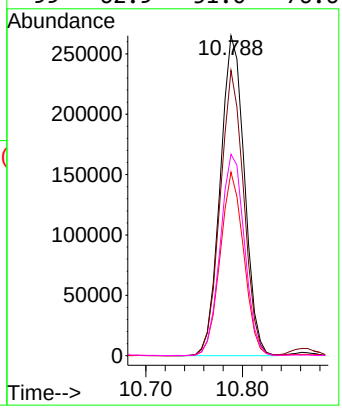




#55
1,1,2-Trichloroethane
Concen: 145.242 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 97 Resp: 46008

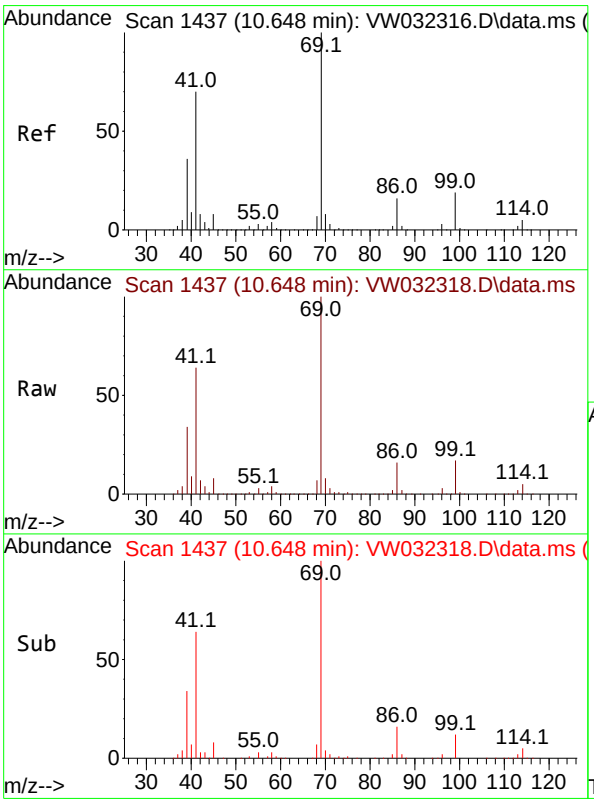
Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.0	106.6
85	57.3	42.8	64.2
99	62.9	51.0	76.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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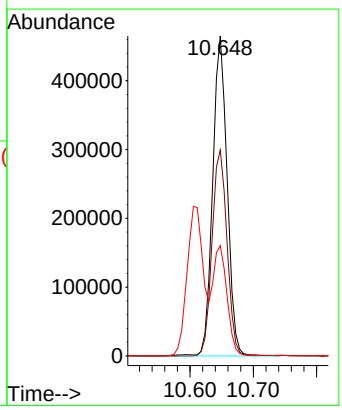
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

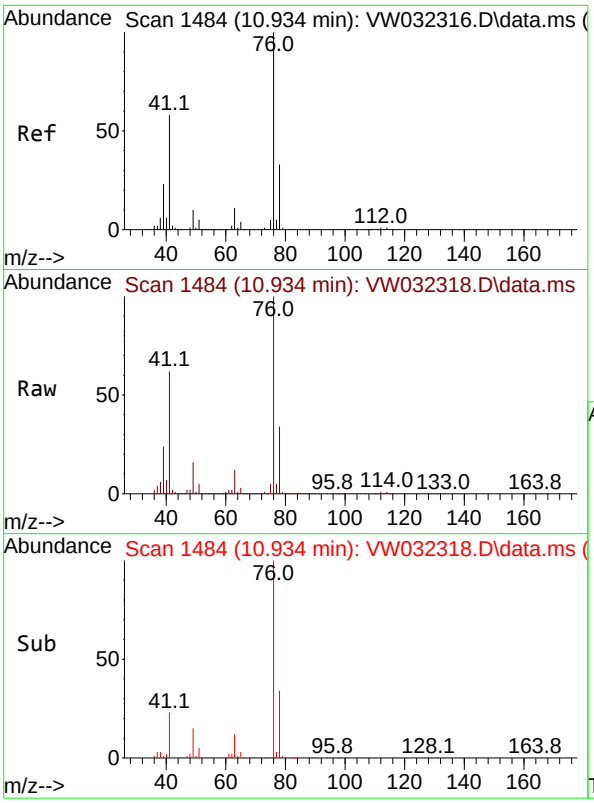


#56
Ethyl methacrylate
Concen: 165.515 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 69 Resp: 733869

Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.2	79.8
39	33.0	32.9	49.3





#57
1,3-Dichloropropane
Concen: 146.656 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

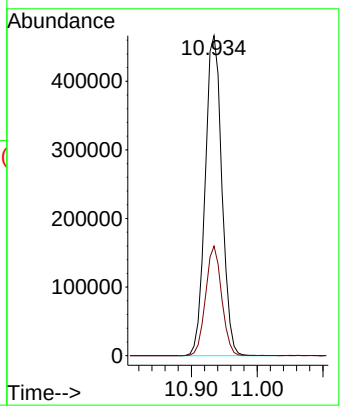
Tgt Ion: 76 Resp: 82051(

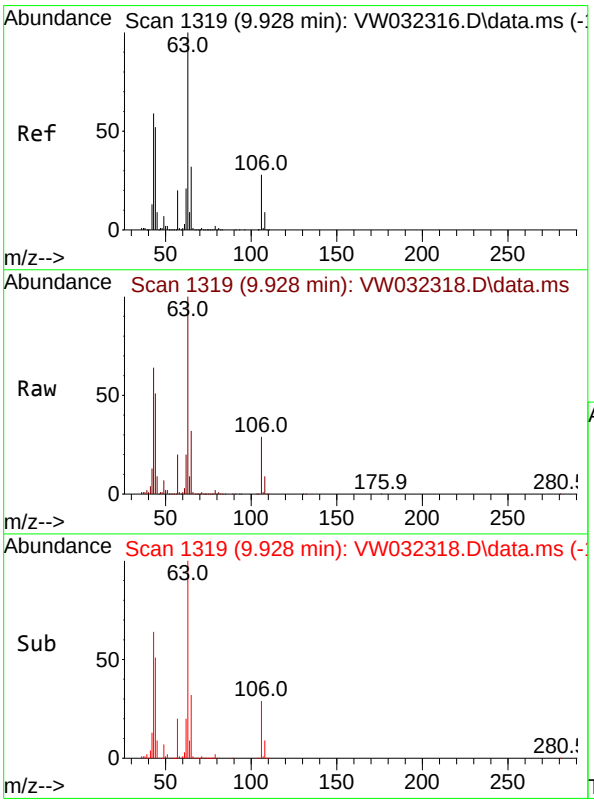
Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

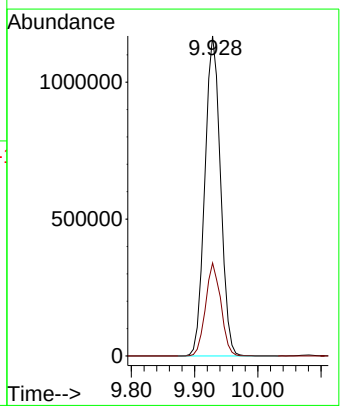


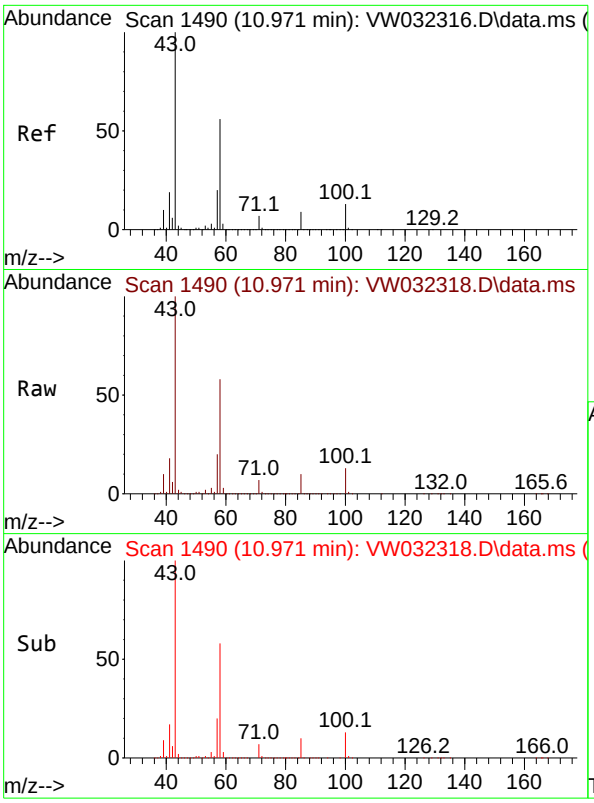


#58
2-Chloroethyl Vinyl ether
Concen: 853.757 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 63 Resp: 2014602

Ion	Ratio	Lower	Upper
63	100		
106	28.3	24.3	36.5





#59
2-Hexanone
Concen: 775.163 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

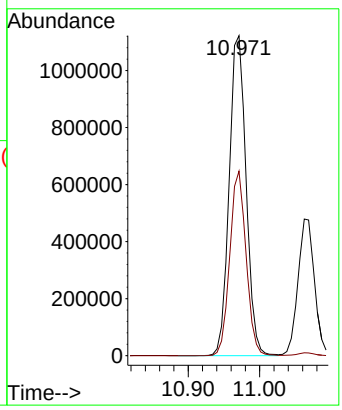
Tgt Ion: 43 Resp: 184205

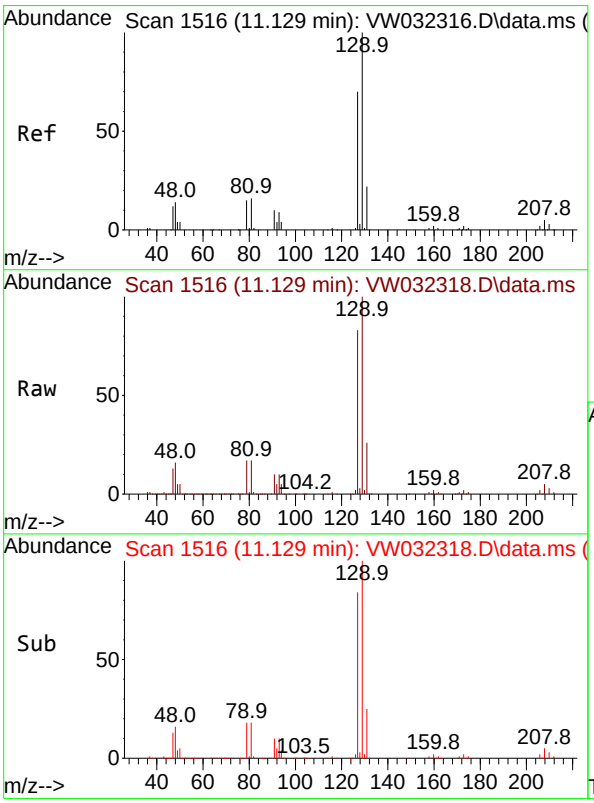
Ion	Ratio	Lower	Upper
43	100		
58	55.6	27.5	82.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

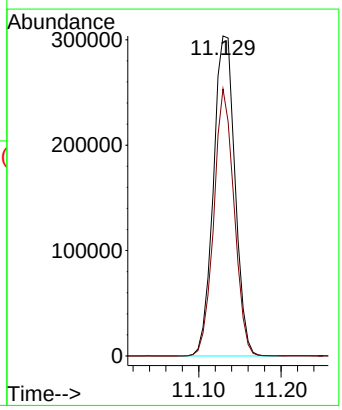


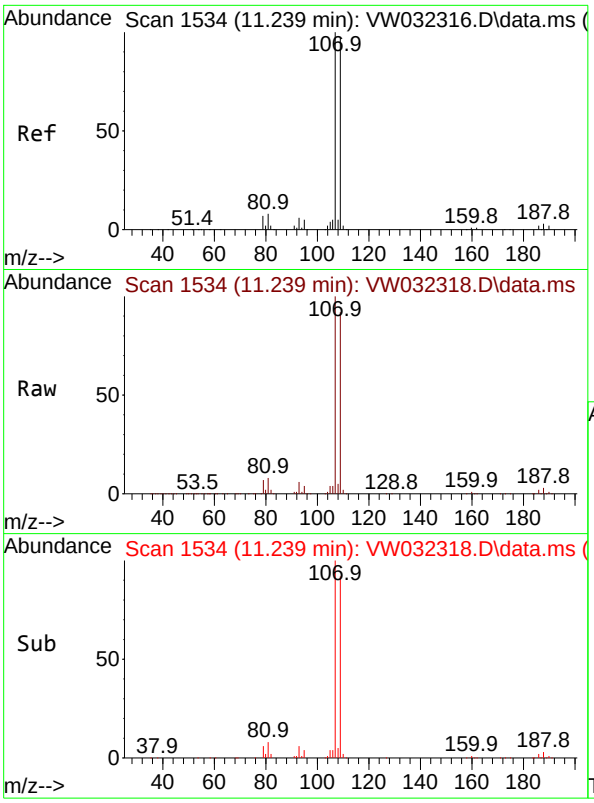


#60
Dibromochloromethane
Concen: 154.183 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:129 Resp: 554578

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.1	114.5





#61
1,2-Dibromoethane
Concen: 150.041 ug/l
RT: 11.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

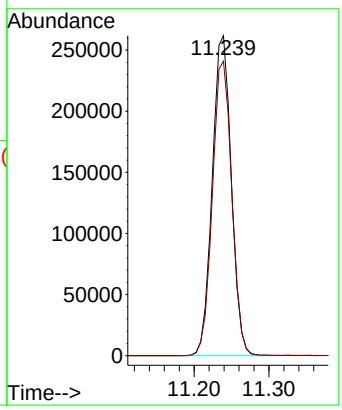
Tgt Ion:107 Resp: 46344

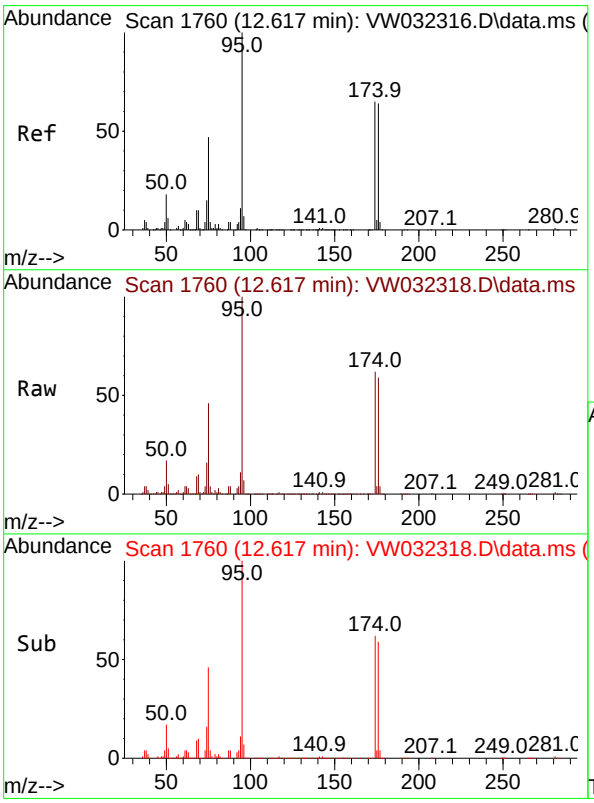
Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.5	111.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

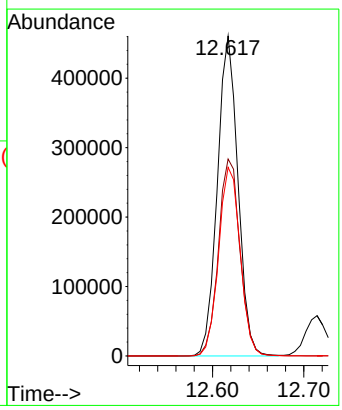


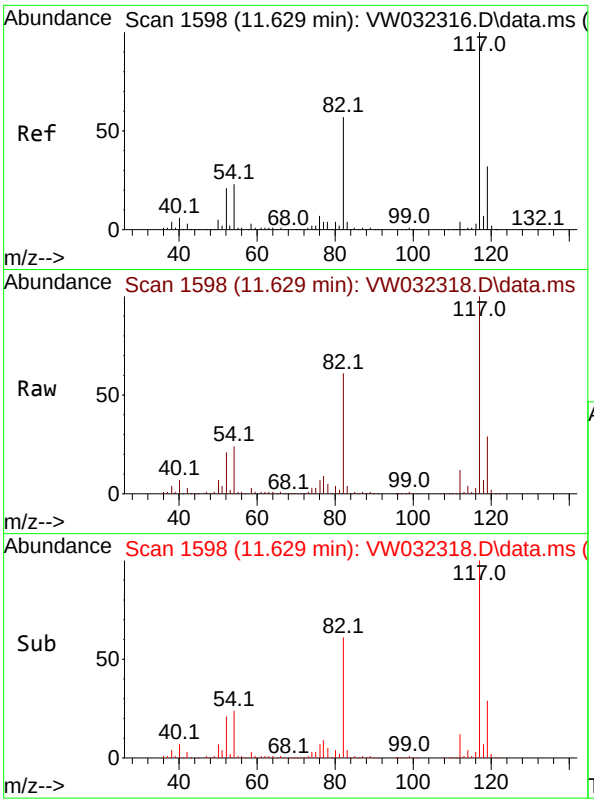


#62
4-Bromofluorobenzene
Concen: 148.089 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 95 Resp: 721146

Ion	Ratio	Lower	Upper
95	100		
174	64.6	0.0	145.6
176	61.8	0.0	140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

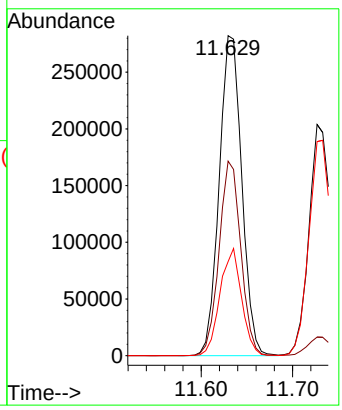
Tgt Ion:117 Resp: 48498

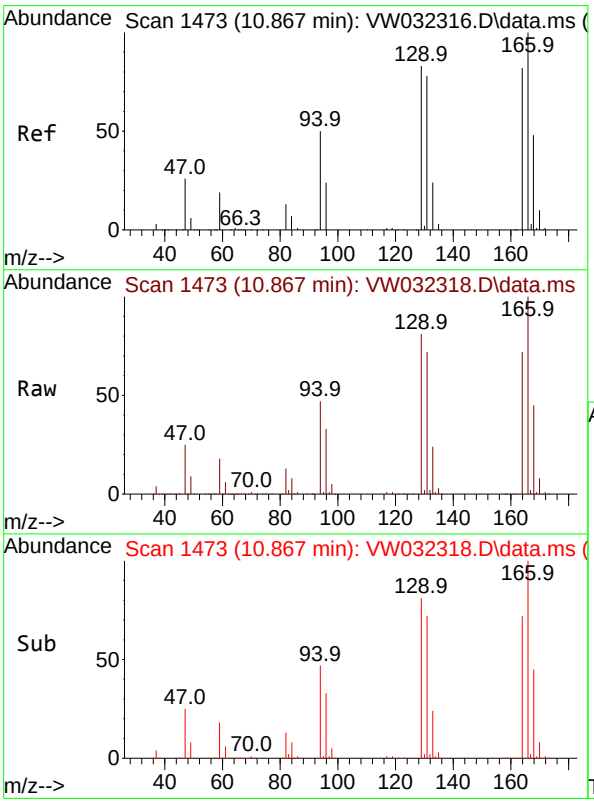
Ion	Ratio	Lower	Upper
117	100		
82	60.8	42.7	64.1
119	29.4	25.2	37.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

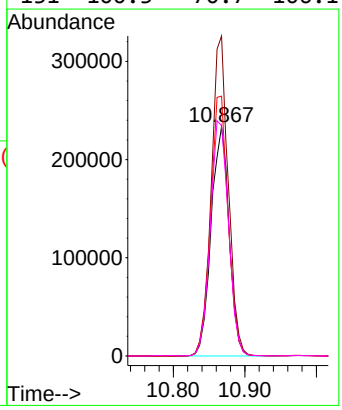


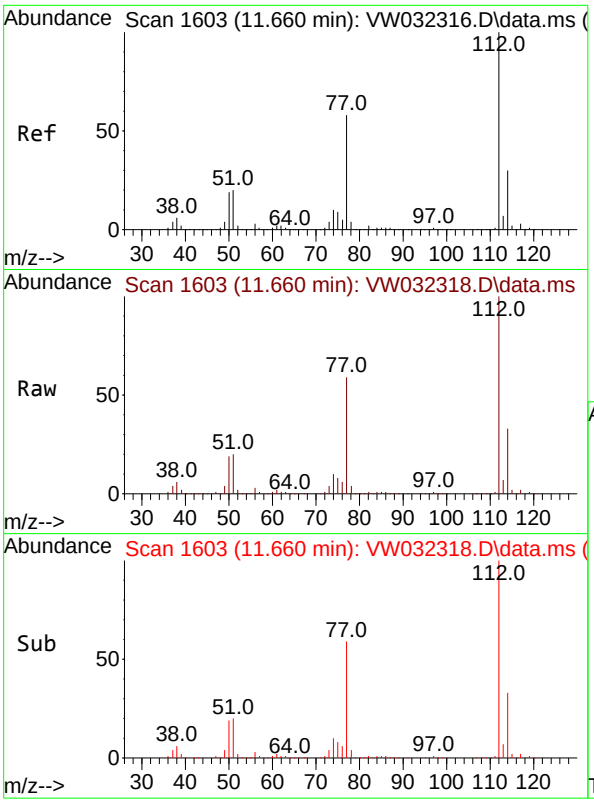


#64
Tetrachloroethene
Concen: 140.097 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:164 Resp: 406564

Ion	Ratio	Lower	Upper
164	100		
166	139.5	97.5	146.3
129	113.3	71.2	106.8#
131	100.3	70.7	106.1





#65
Chlorobenzene
Concen: 145.914 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

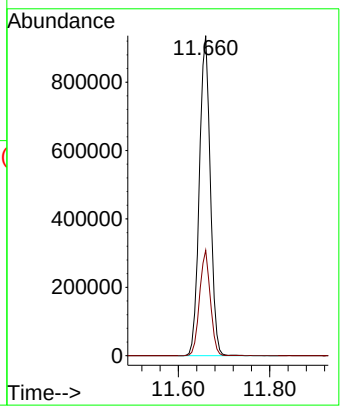
Tgt Ion:112 Resp: 155703

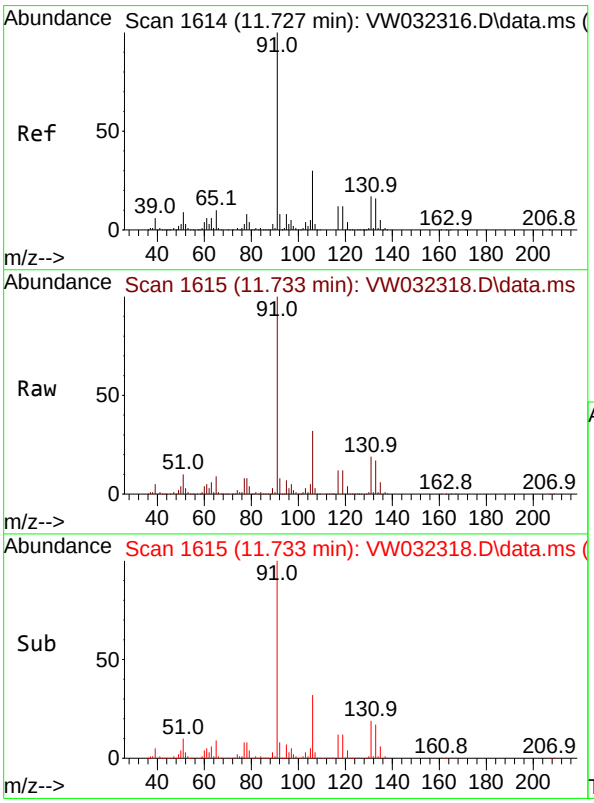
Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.0	39.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

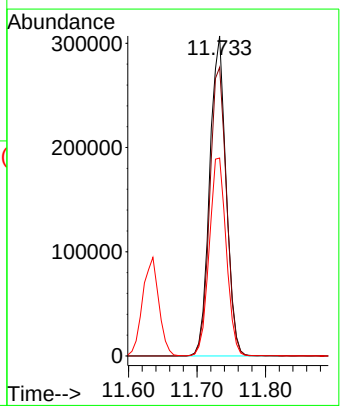


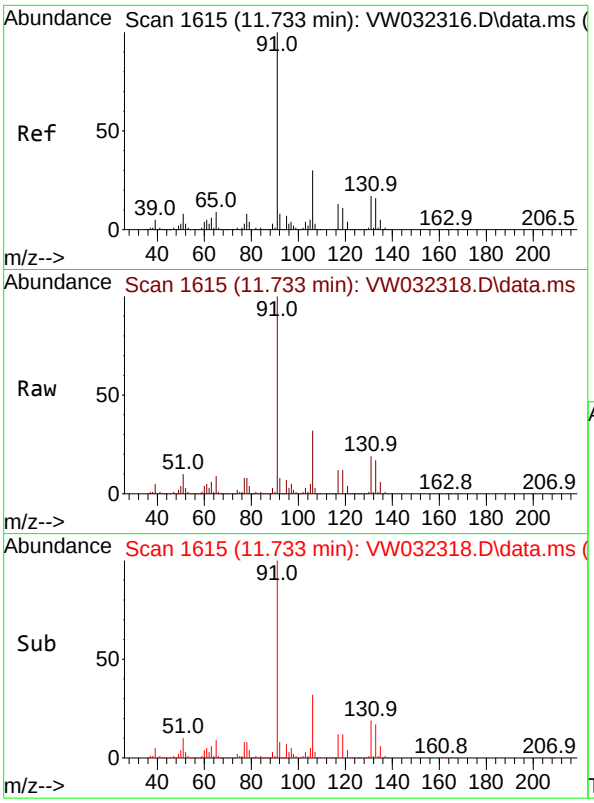


#66
1,1,1,2-Tetrachloroethane
Concen: 153.680 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:131 Resp: 510773

Ion	Ratio	Lower	Upper
131	100		
133	92.3	47.7	143.1
119	64.3	32.8	98.3





#67
Ethyl Benzene
Concen: 150.897 ug/l
RT: 11.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

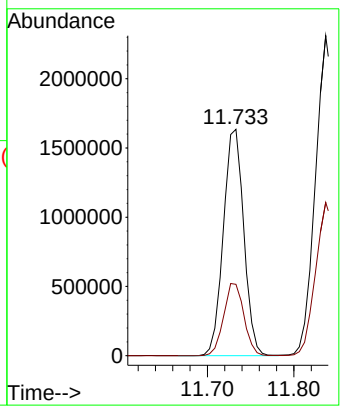
Tgt Ion: 91 Resp: 268401

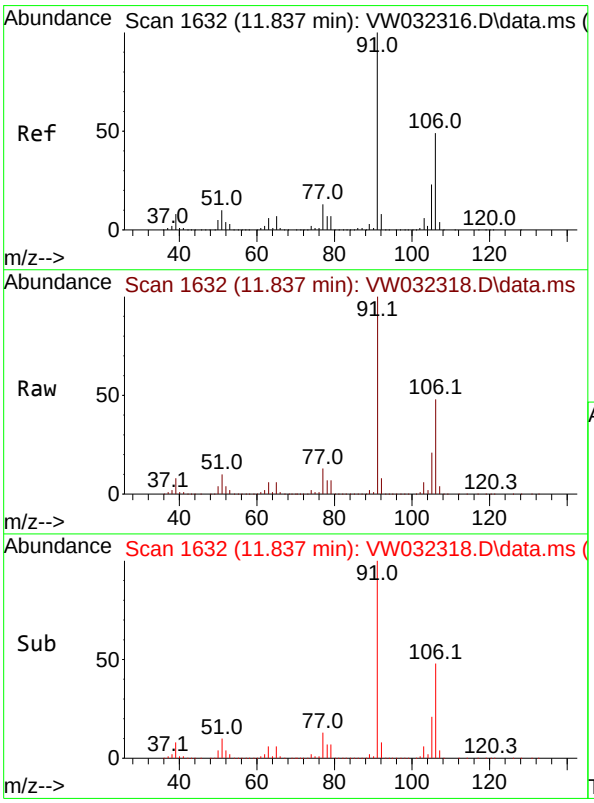
Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.3	37.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

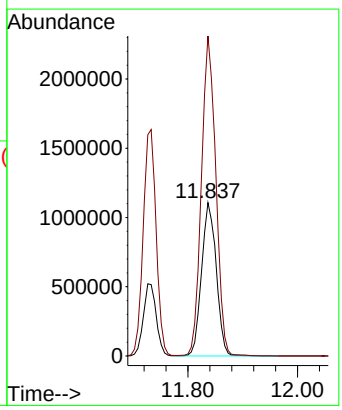


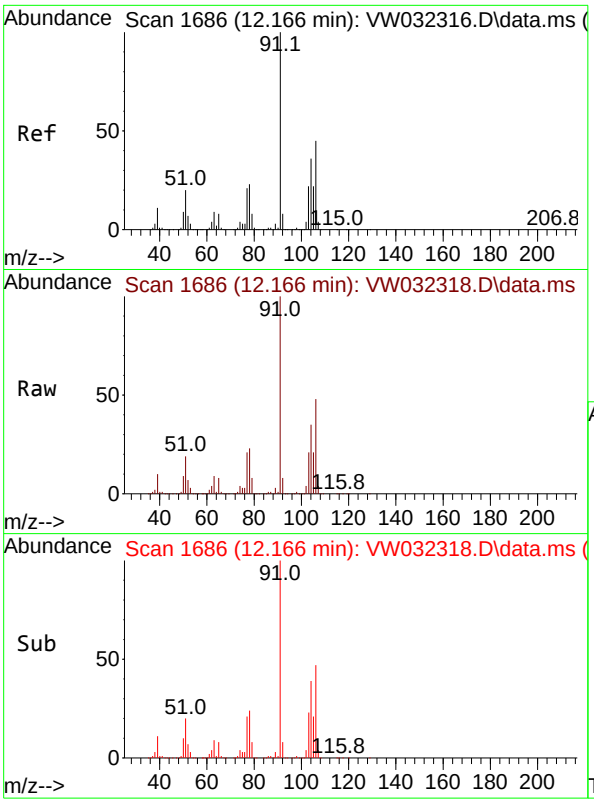


#68
m/p-Xylenes
Concen: 299.170 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:106 Resp: 2051963

Ion	Ratio	Lower	Upper
106	100		
91	205.1	164.2	246.2





#69
o-Xylene
Concen: 153.842 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

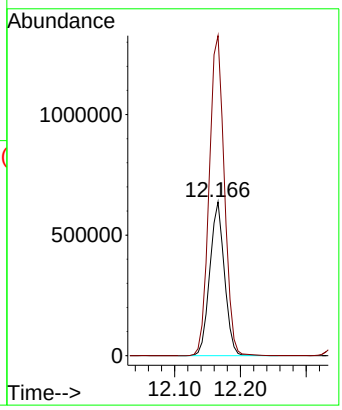
Tgt Ion:106 Resp: 98677

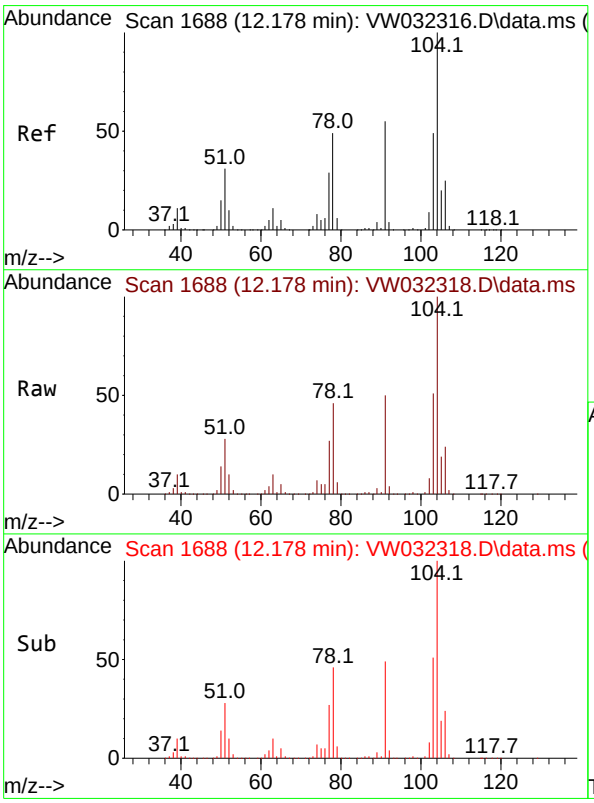
Ion	Ratio	Lower	Upper
106	100		
91	215.7	108.7	326.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

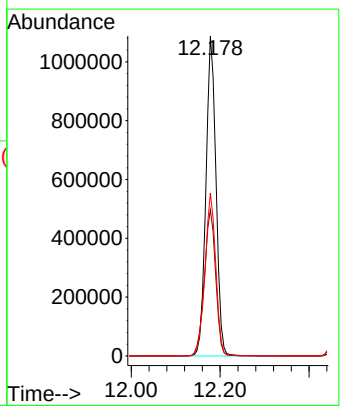


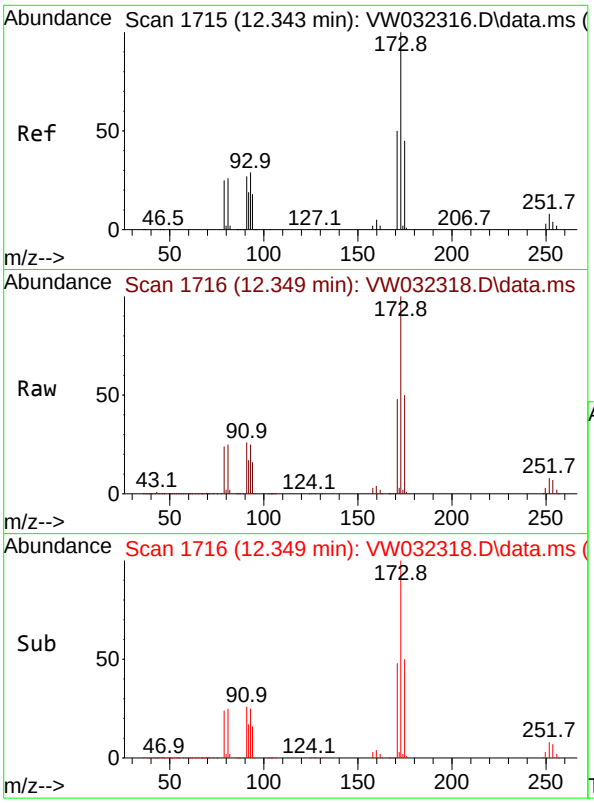


#70
Styrene
Concen: 154.098 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:104 Resp: 1725722

Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.6	62.4
103	54.6	44.8	67.2

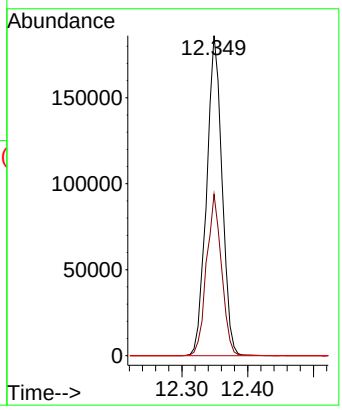




#71
Bromoform
Concen: 159.692 ug/l
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:173 Resp: 30422

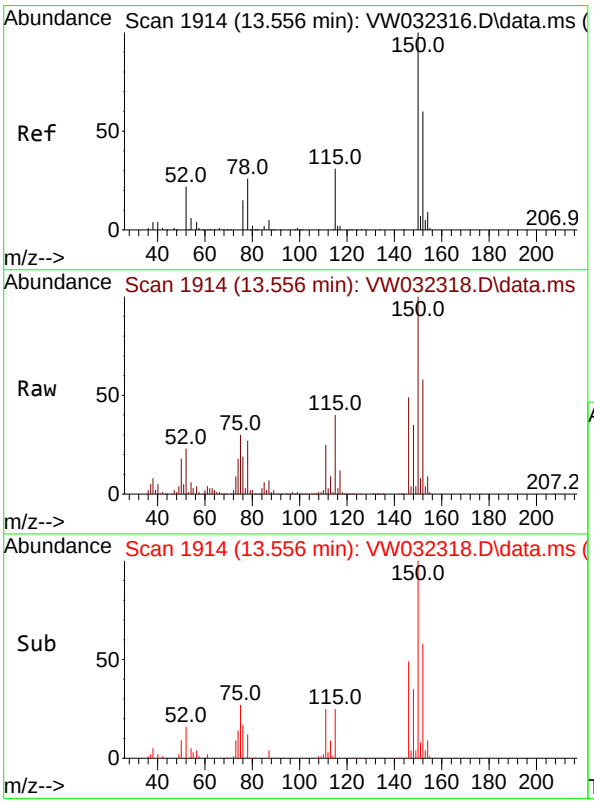
Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.7
254	0.0	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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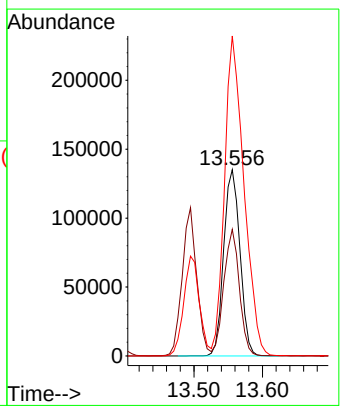
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

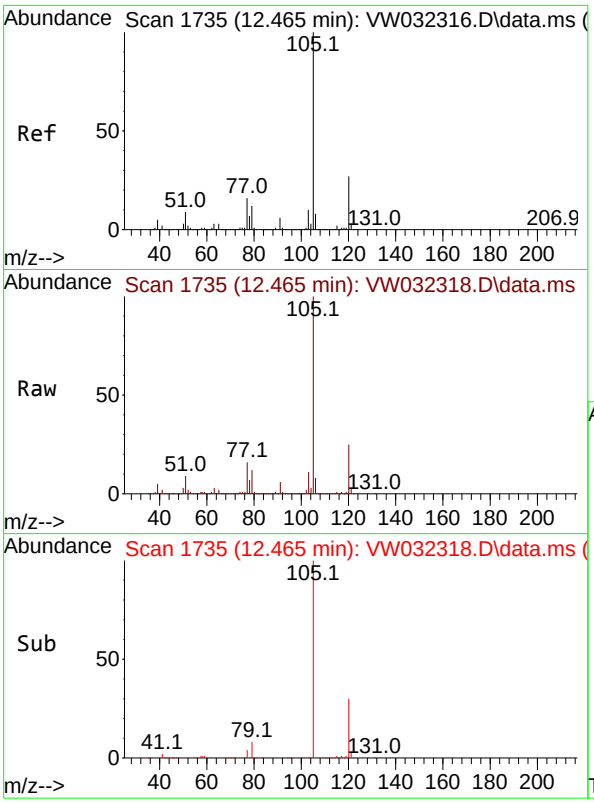


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:152 Resp: 222254

Ion	Ratio	Lower	Upper
152	100		
115	64.7	31.8	95.4
150	205.1	0.0	343.0

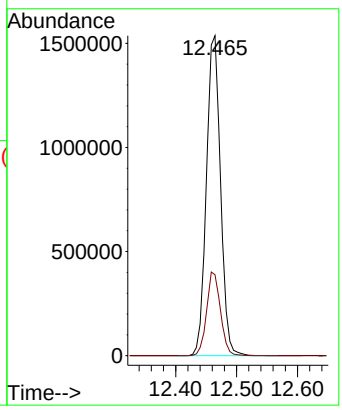




#73
Isopropylbenzene
Concen: 162.844 ug/l
RT: 12.465 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:105 Resp: 247614

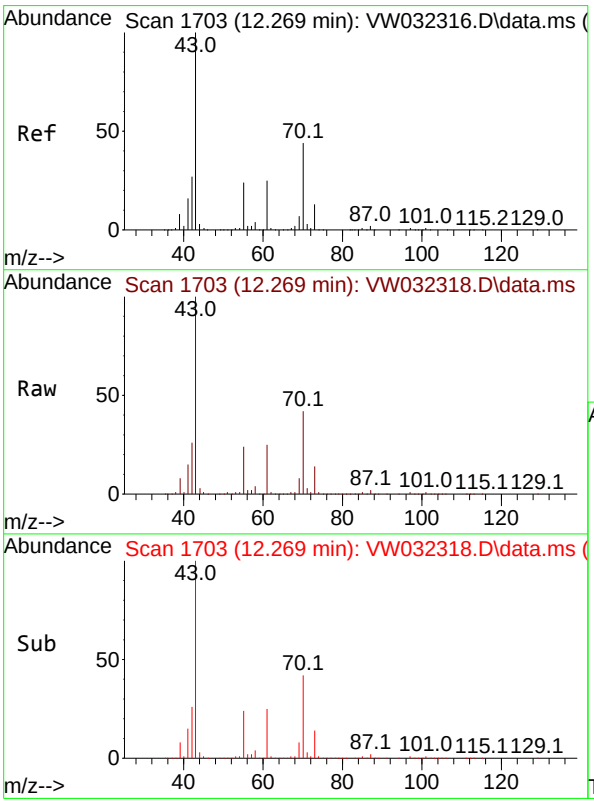
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.0	38.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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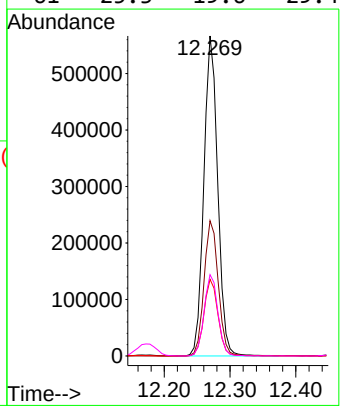
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

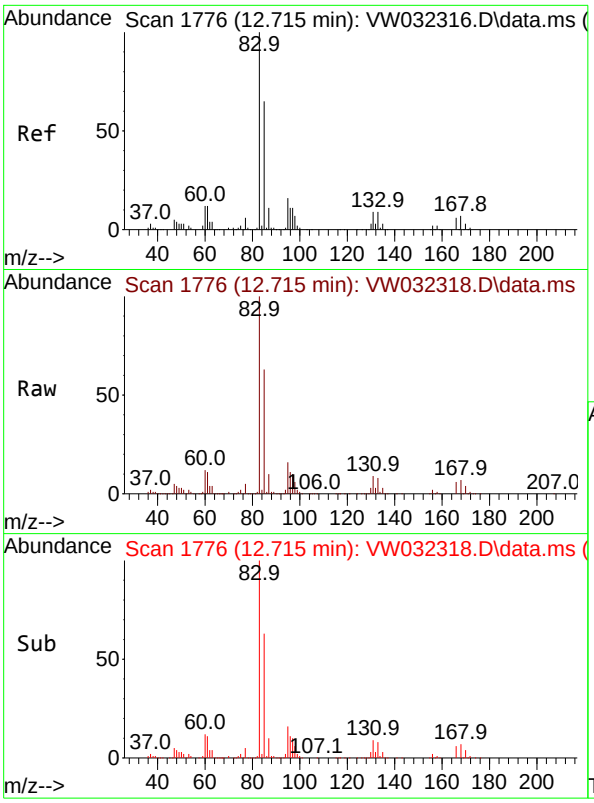


#74
N-amyl acetate
Concen: 171.063 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 43 Resp: 829796

Ion	Ratio	Lower	Upper
43	100		
70	43.4	35.3	52.9
55	24.4	19.9	29.9
61	25.3	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 153.538 ug/l
RT: 12.715 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

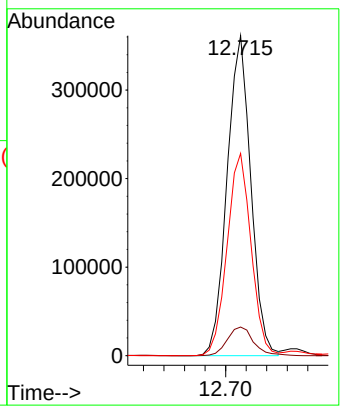
Tgt Ion: 83 Resp: 57968

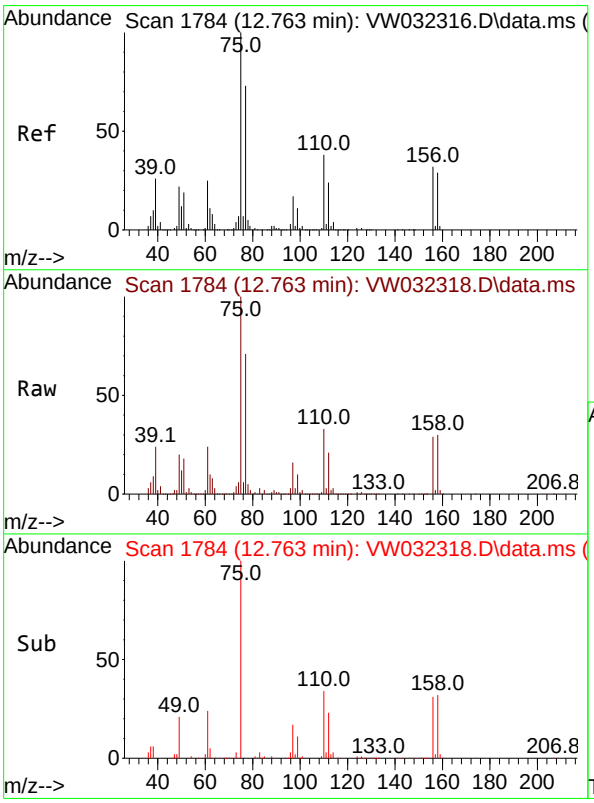
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.4
85	63.9	32.2	96.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

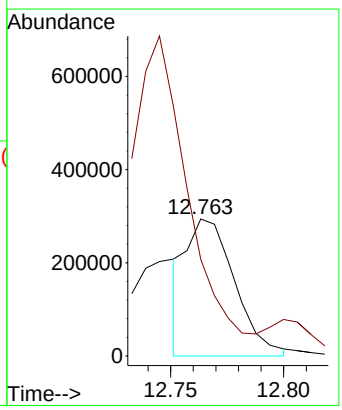


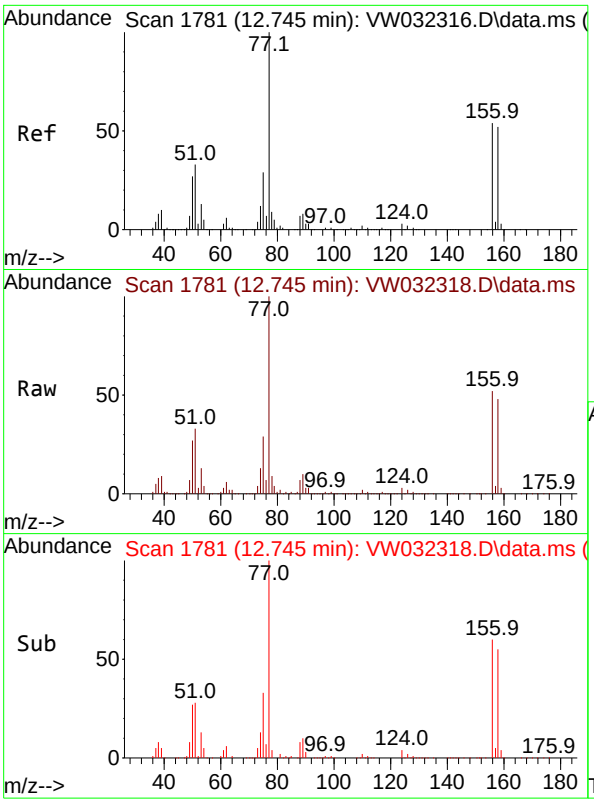


#76
1,2,3-Trichloropropane
Concen: 150.487 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 75 Resp: 441352

Ion	Ratio	Lower	Upper
75	100		
77	284.9	141.7	425.1

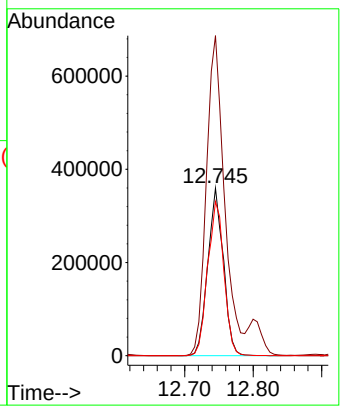




#77
Bromobenzene
Concen: 155.243 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:156 Resp: 56902

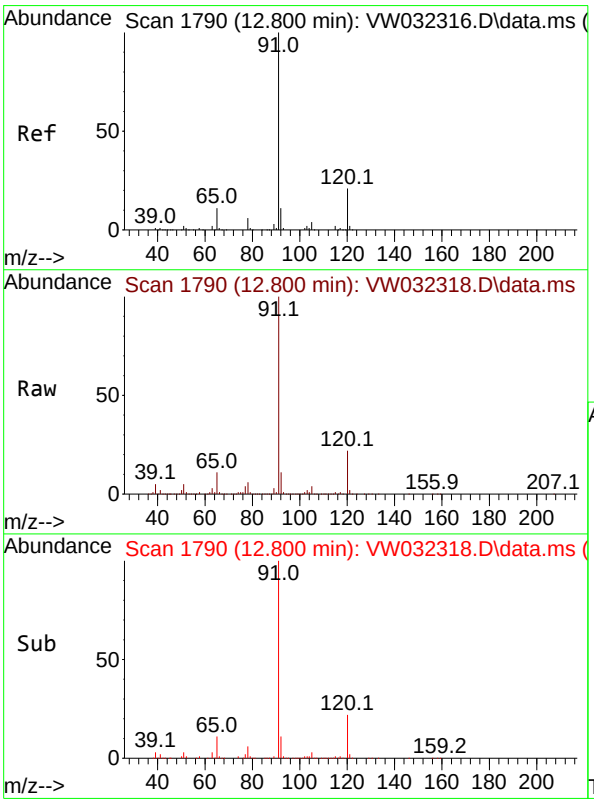
Ion	Ratio	Lower	Upper
156	100		
77	221.0	98.6	295.7
158	96.0	48.4	145.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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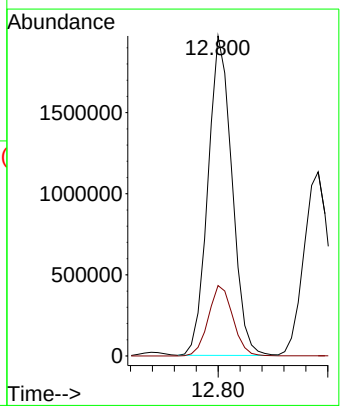
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

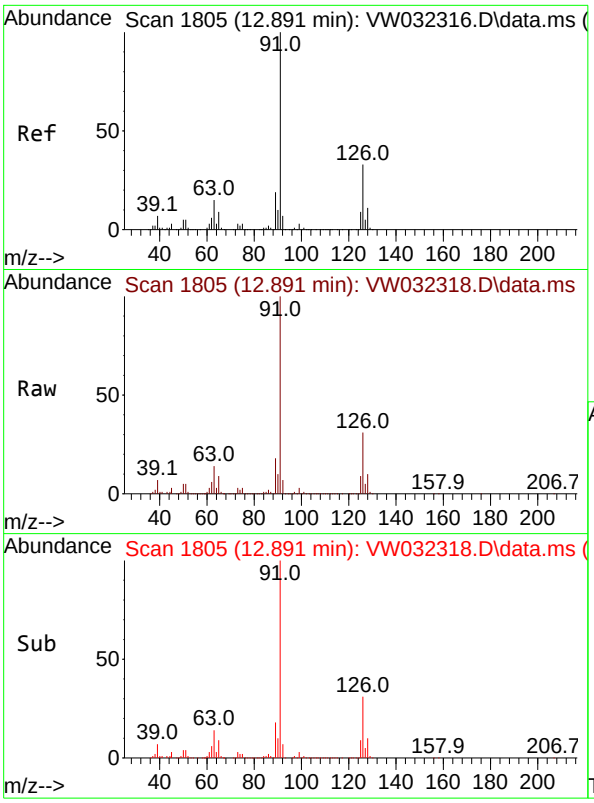


#78
n-propylbenzene
Concen: 158.050 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 91 Resp: 3001989

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.8	35.4





#79
2-Chlorotoluene
Concen: 157.767 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

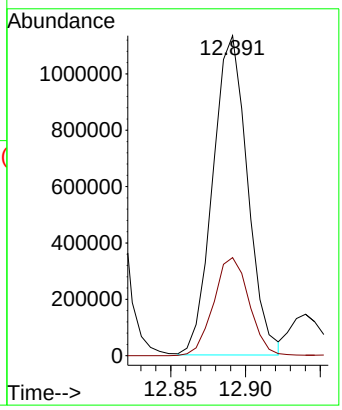
Tgt Ion: 91 Resp: 183223

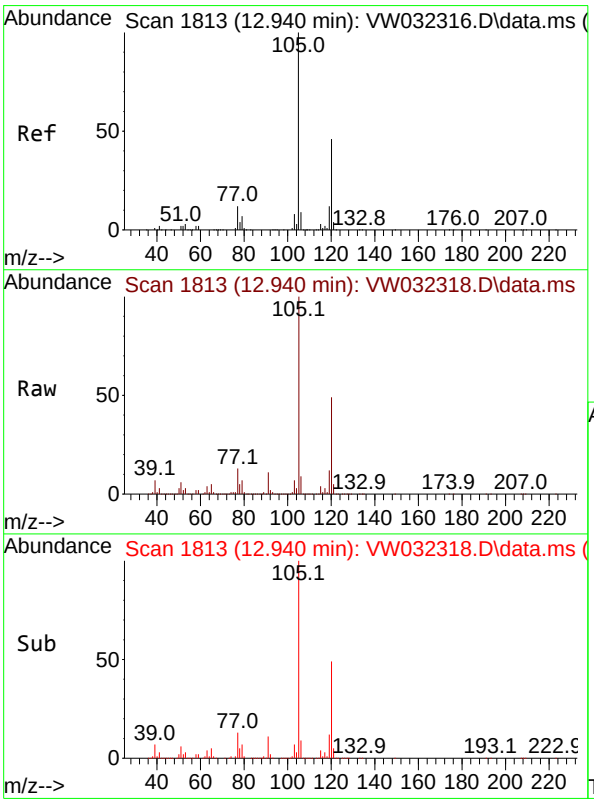
Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.6	49.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

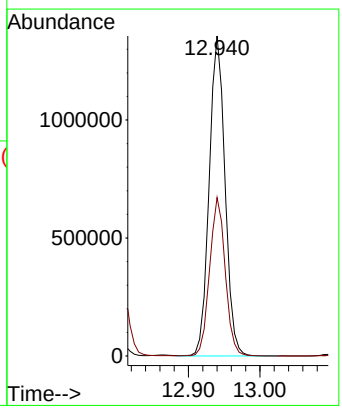


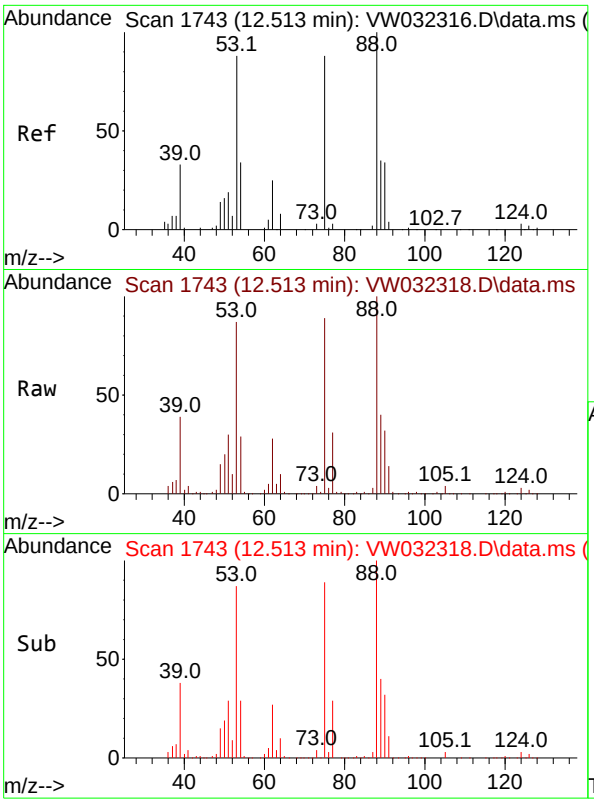


#80
1,3,5-Trimethylbenzene
Concen: 158.201 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:105 Resp: 2080060

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 177.457 ug/l
RT: 12.513 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

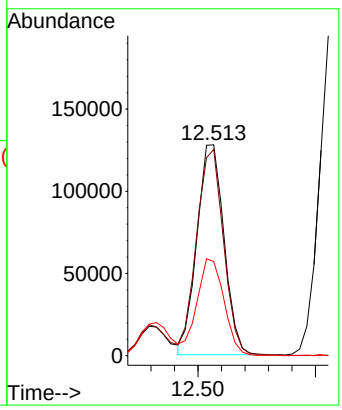
Tgt Ion: 75 Resp: 20488

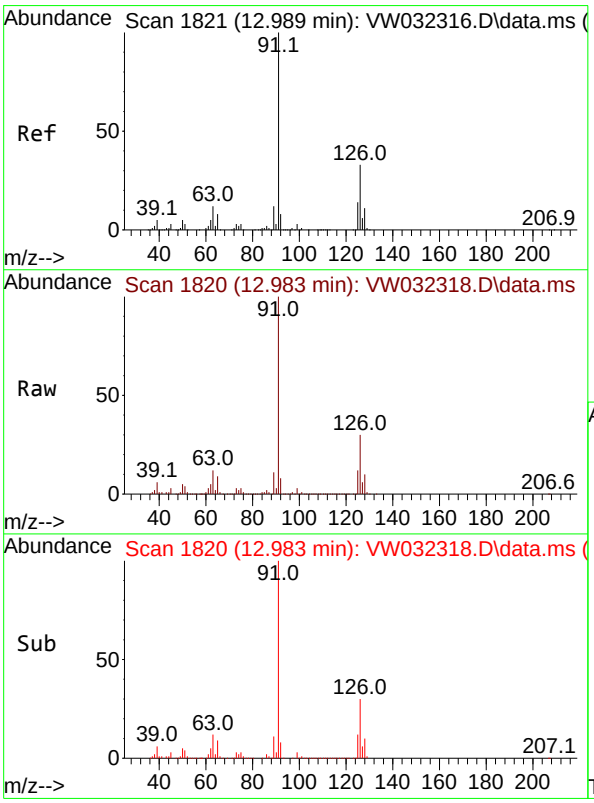
Ion	Ratio	Lower	Upper
75	100		
53	98.3	91.0	136.6
89	46.6	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

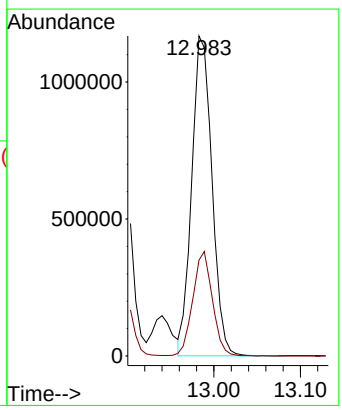


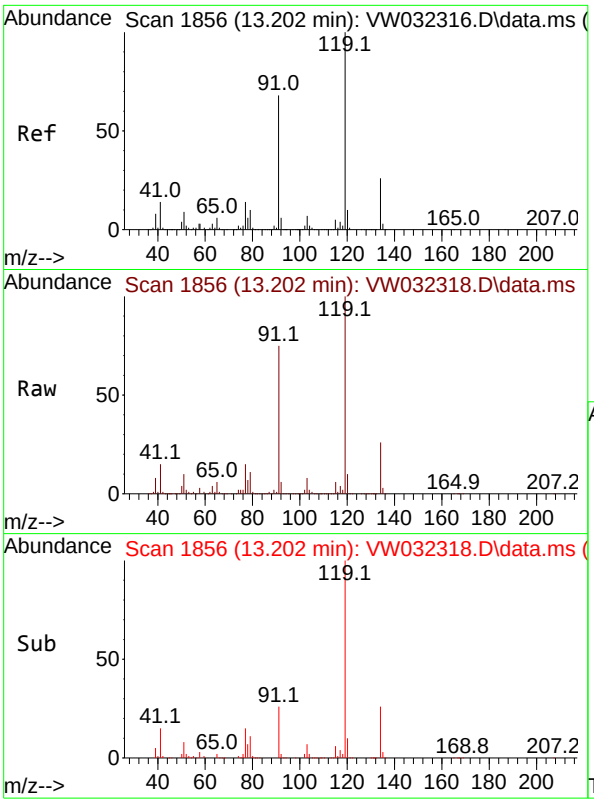


#82
4-Chlorotoluene
Concen: 153.300 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 91 Resp: 1892838

Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.1	48.2

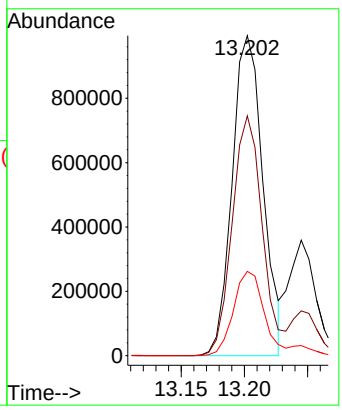




#83
tert-Butylbenzene
Concen: 156.599 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:119 Resp: 168940

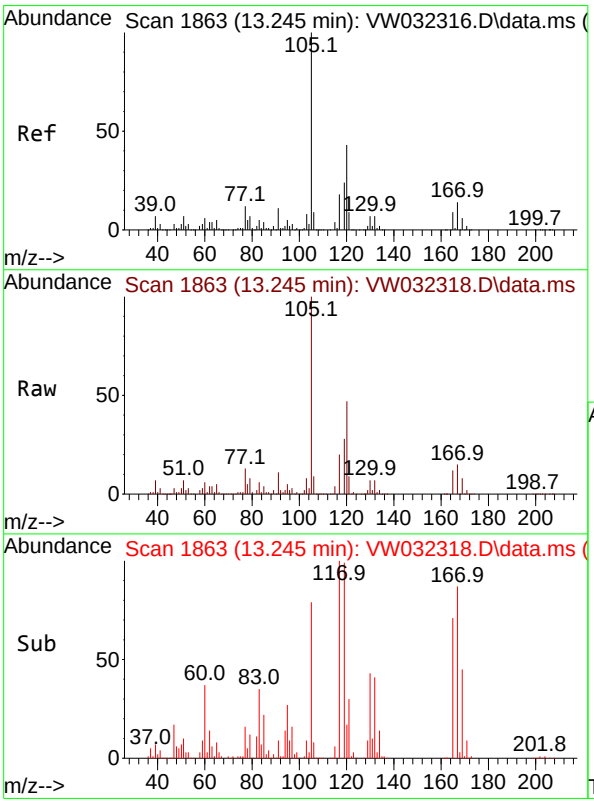
Ion	Ratio	Lower	Upper
119	100		
91	73.7	33.8	101.3
134	28.3	12.5	37.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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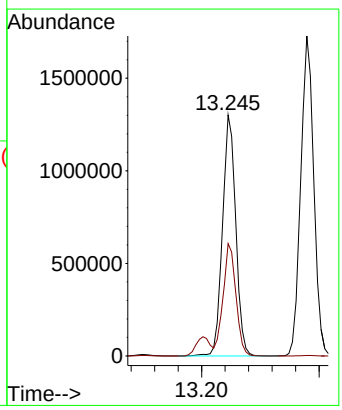
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

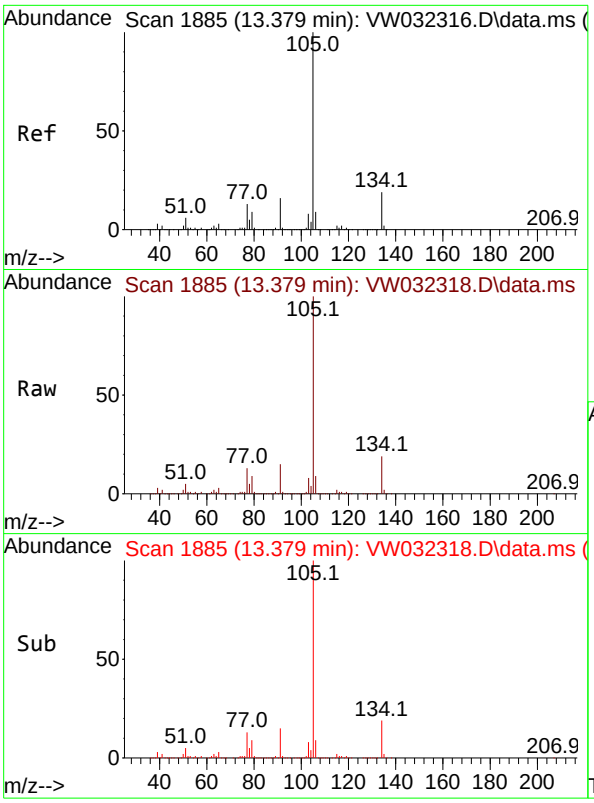


#84
1,2,4-Trimethylbenzene
Concen: 152.369 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:105 Resp: 2037112

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.1	66.3

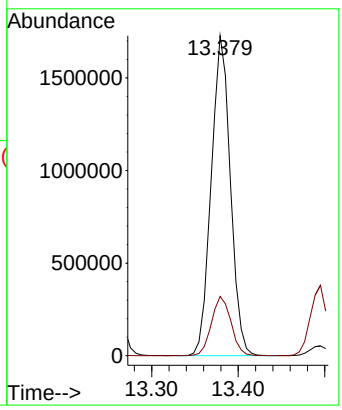




#85
sec-Butylbenzene
Concen: 160.991 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:105 Resp: 265412

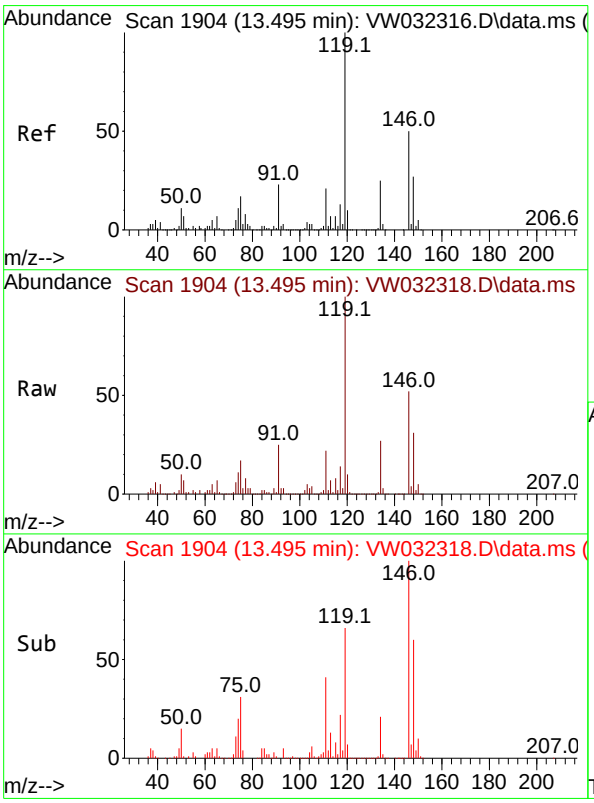
Ion	Ratio	Lower	Upper
105	100		
134	18.9	10.1	30.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

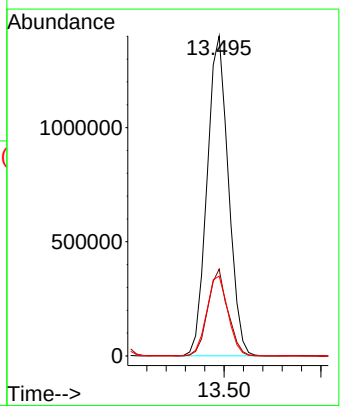
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

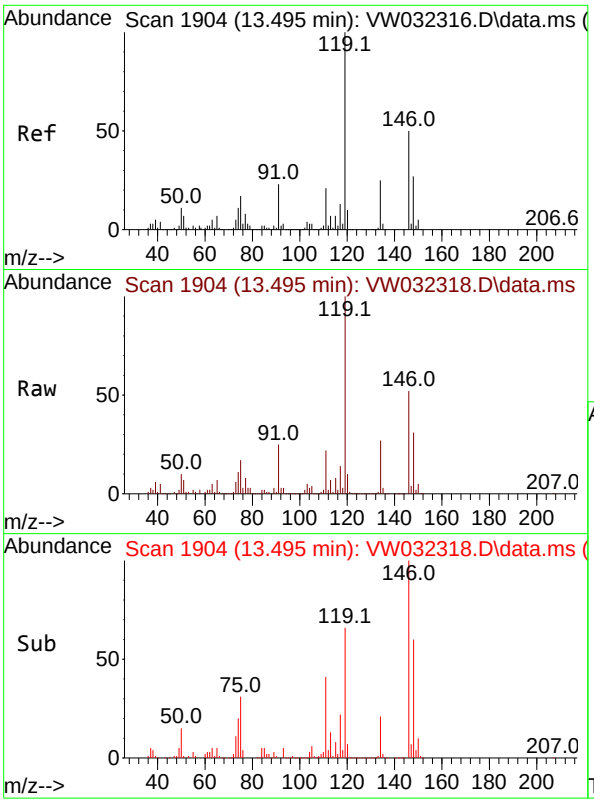


#86
p-Isopropyltoluene
Concen: 156.585 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:119 Resp: 2141983

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.6	37.6
91	24.9	12.4	37.0





#87
1,3-Dichlorobenzene
Concen: 154.671 ug/l
RT: 13.495 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

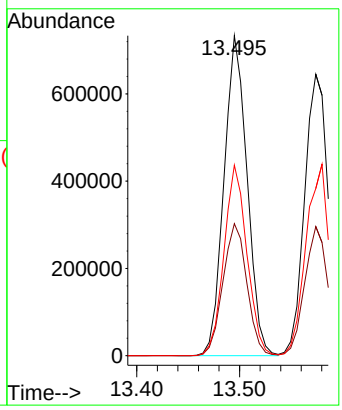
Tgt Ion:146 Resp: 114799

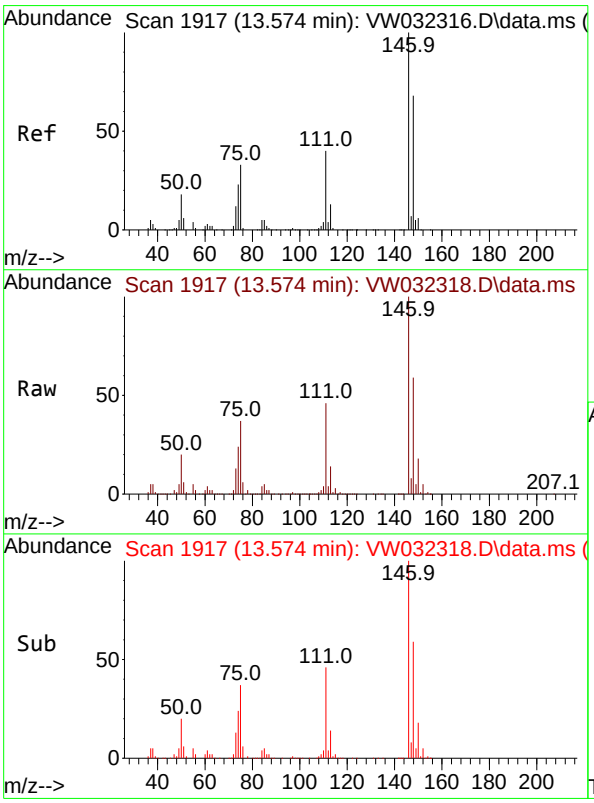
Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.6	61.9
148	59.1	30.6	92.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

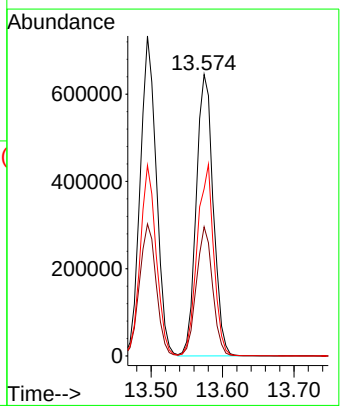


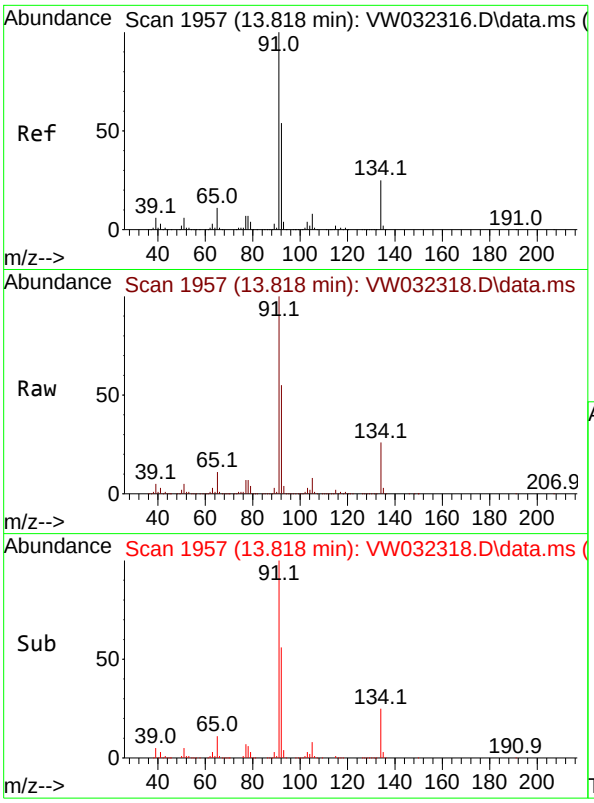


#88
1,4-Dichlorobenzene
Concen: 143.490 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:146 Resp: 1064904

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.3	63.7
148	66.2	33.4	100.1

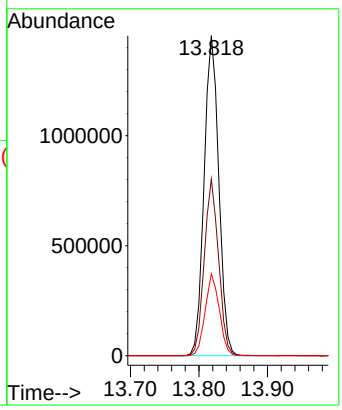




#89
n-Butylbenzene
Concen: 162.413 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 91 Resp: 216921

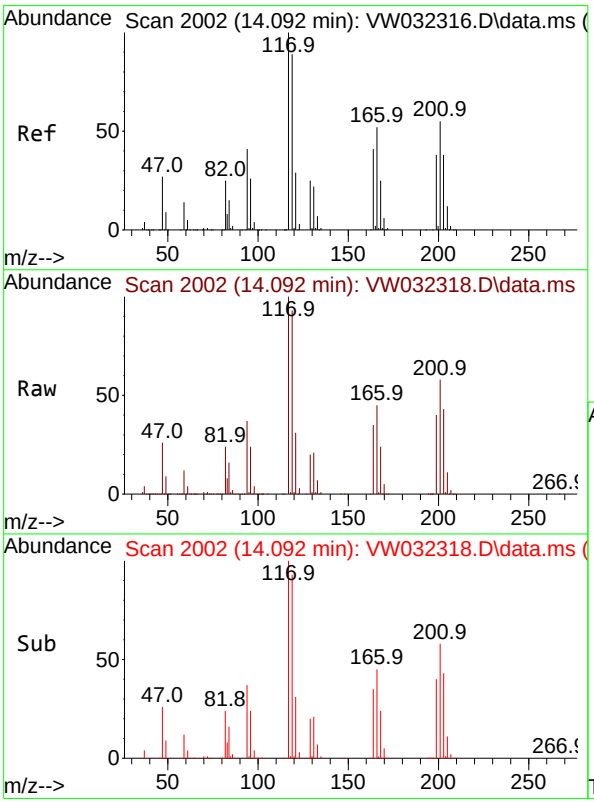
Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.0	81.0
134	24.7	13.1	39.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

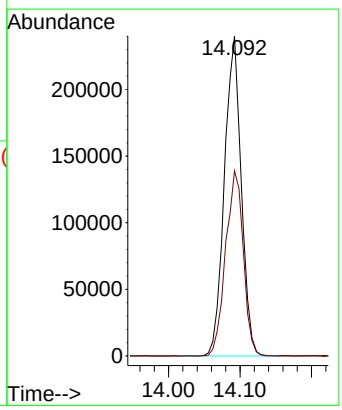
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

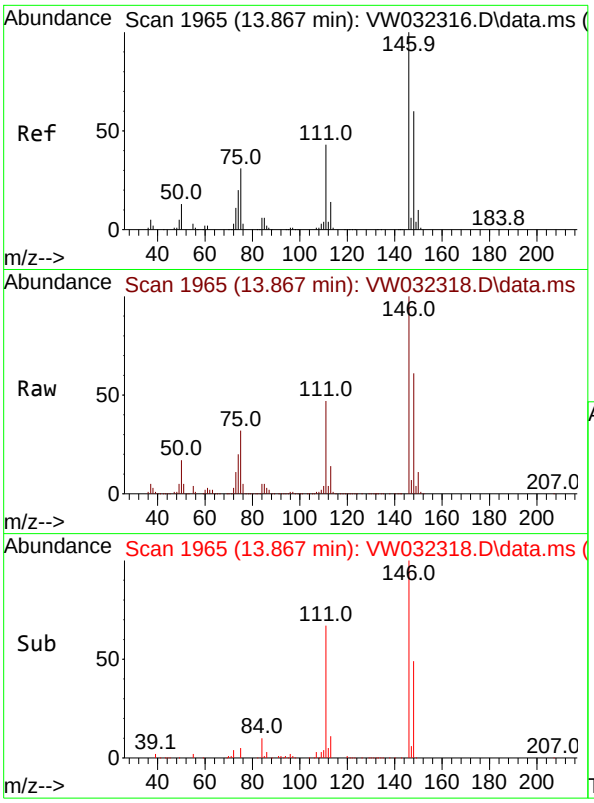


#90
Hexachloroethane
Concen: 160.071 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:117 Resp: 392482

Ion	Ratio	Lower	Upper
117	100		
201	60.7	32.8	98.4

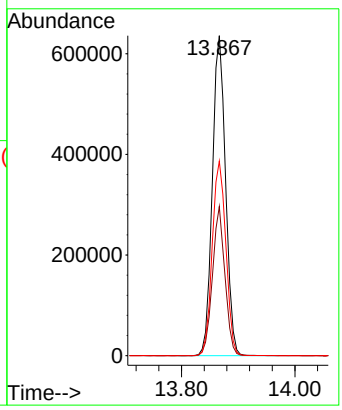




#91
1,2-Dichlorobenzene
Concen: 153.076 ug/l
RT: 13.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:146 Resp: 102704

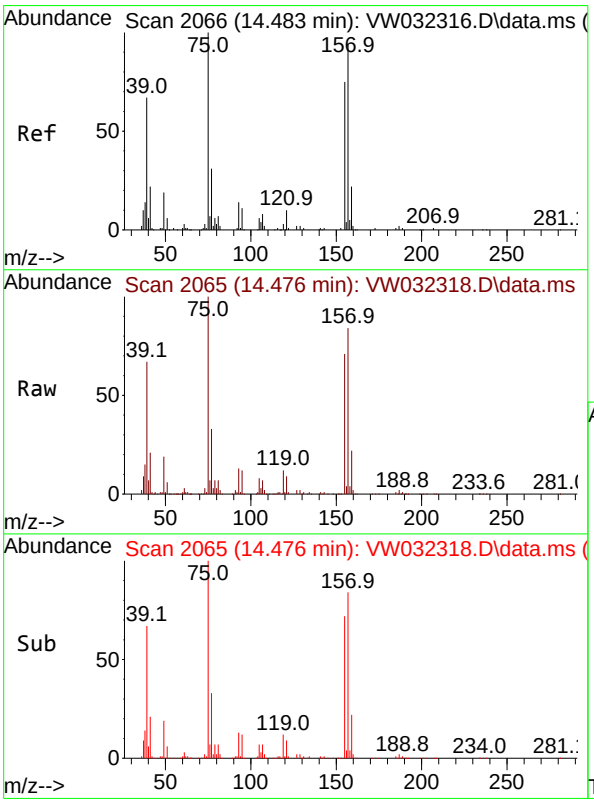
Ion	Ratio	Lower	Upper
146	100		
111	44.1	23.4	70.0
148	62.8	34.1	102.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

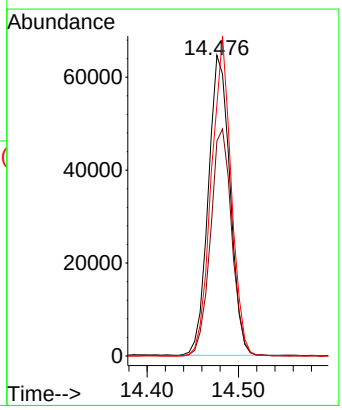
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

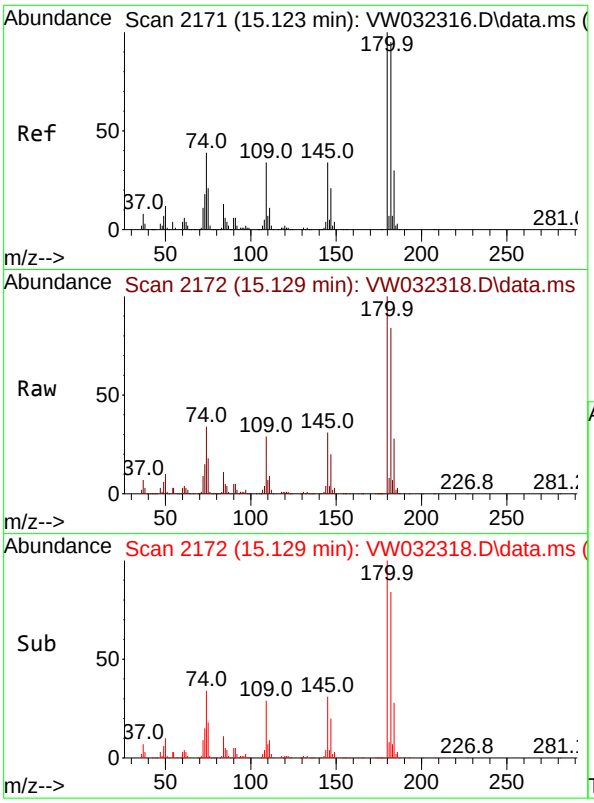


#92
1,2-Dibromo-3-Chloropropane
Concen: 160.891 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion: 75 Resp: 106355

Ion	Ratio	Lower	Upper
75	100		
155	74.4	40.8	122.5
157	97.8	51.8	155.4





#93
1,2,4-Trichlorobenzene
Concen: 165.196 ug/l
RT: 15.129 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

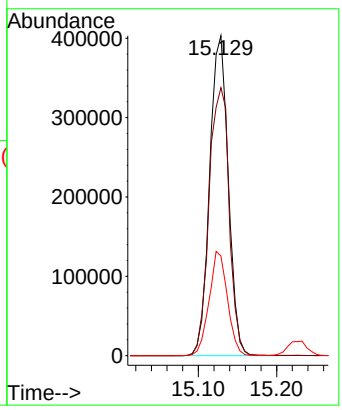
Tgt Ion:180 Resp: 66462

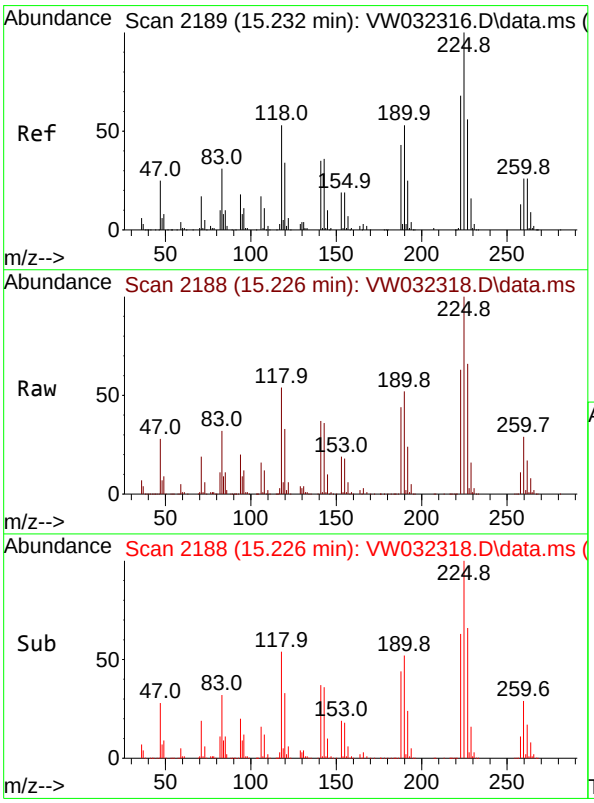
Ion	Ratio	Lower	Upper
180	100		
182	90.8	47.4	142.2
145	32.2	16.4	49.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

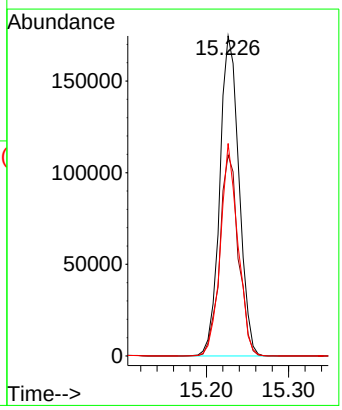


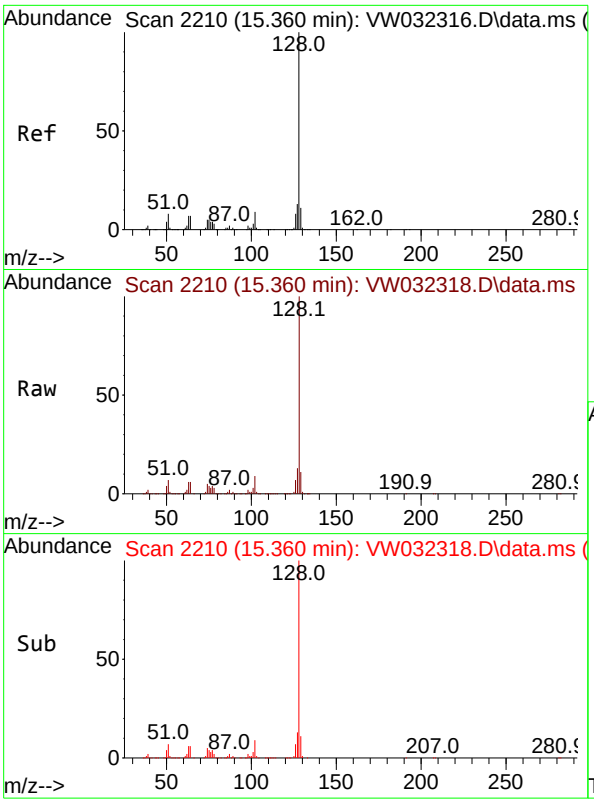


#94
Hexachlorobutadiene
Concen: 153.946 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:225 Resp: 283170

Ion	Ratio	Lower	Upper
225	100		
223	61.3	29.8	89.3
227	60.7	30.5	91.5

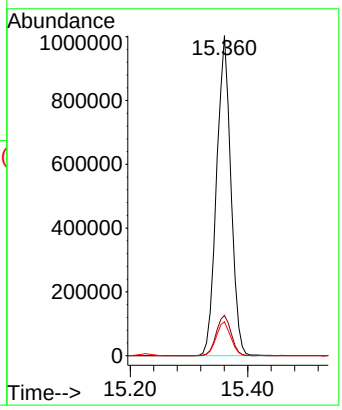




#95
Naphthalene
Concen: 175.173 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:128 Resp: 169247

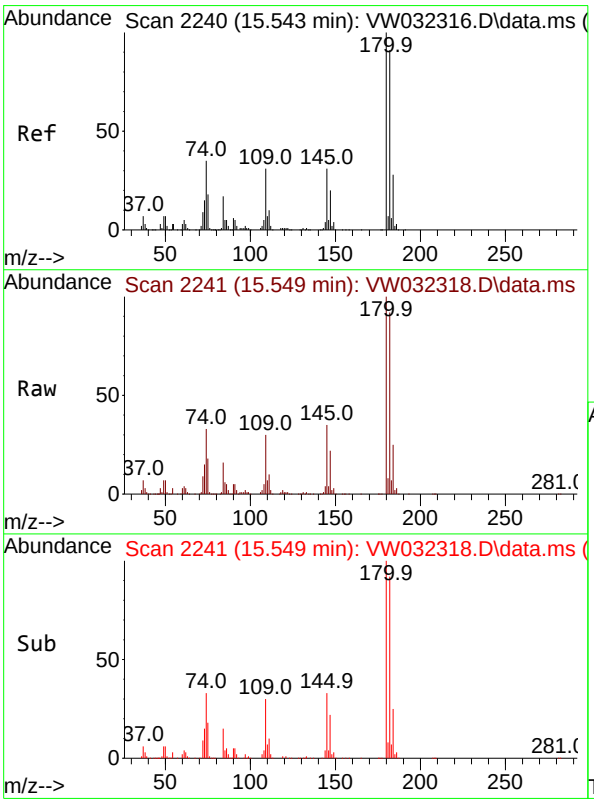
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.8	8.4	12.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

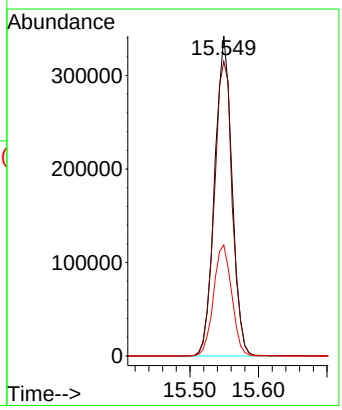
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 157.371 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW032318.D
Acq: 01 Oct 2025 15:20

Tgt Ion:180 Resp: 596762

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.7	143.1
145	36.5	17.2	51.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032320.D
Acq On : 01 Oct 2025 16:04
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:27:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	286648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	542900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	498213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	235528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	211714	50.638	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 101.280%			
35) Dibromofluoromethane	7.904	113	172657	49.108	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.220%			
50) Toluene-d8	10.325	98	645322	49.731	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.460%			
62) 4-Bromofluorobenzene	12.617	95	236491	48.218	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 96.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	84688	47.081	ug/l	96
3) Chloromethane	2.259	50	138637	49.950	ug/l	96
4) Vinyl Chloride	2.405	62	159289	48.072	ug/l	97
5) Bromomethane	2.826	94	115275	47.340	ug/l	97
6) Chloroethane	2.972	64	106181	48.536	ug/l	97
7) Trichlorofluoromethane	3.314	101	123819	49.907	ug/l	98
8) Diethyl Ether	3.722	74	106705	49.634	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.094	101	143716	48.296	ug/l	93
10) Methyl Iodide	4.320	142	201132	47.371	ug/l	100
11) Tert butyl alcohol	5.228	59	77891	246.126	ug/l	97
12) 1,1-Dichloroethene	4.082	96	160883	49.800	ug/l	95
13) Acrolein	3.930	56	119840	233.328	ug/l	99
14) Allyl chloride	4.704	41	271835	49.818	ug/l	88
15) Acrylonitrile	5.405	53	288801	258.222	ug/l	100
16) Acetone	4.161	43	264871	228.796	ug/l	100
17) Carbon Disulfide	4.429	76	436417	49.511	ug/l	100
18) Methyl Acetate	4.710	43	179271	54.058	ug/l	96
19) Methyl tert-butyl Ether	5.466	73	326683	51.342	ug/l	95
20) Methylene Chloride	4.954	84	194169	50.746	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	180820	50.555	ug/l	98
22) Diisopropyl ether	6.344	45	581042	51.202	ug/l	95
23) Vinyl Acetate	6.283	43	1998017	263.598	ug/l	100
24) 1,1-Dichloroethane	6.246	63	344370	49.949	ug/l	99
25) 2-Butanone	7.197	43	399441	253.341	ug/l	97
26) 2,2-Dichloropropane	7.191	77	171137	48.528	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	218943	50.954	ug/l	94
28) Bromochloromethane	7.533	49	164051	50.575	ug/l	85
29) Tetrahydrofuran	7.551	42	265382	267.648	ug/l	94
30) Chloroform	7.691	83	356459	50.980	ug/l	98
31) Cyclohexane	7.971	56	283574	48.179	ug/l	99
32) 1,1,1-Trichloroethane	7.892	97	247681	49.989	ug/l	98
36) 1,1-Dichloropropene	8.100	75	246414	49.661	ug/l	98
37) Ethyl Acetate	7.276	43	171315	51.871	ug/l	100
38) Carbon Tetrachloride	8.081	117	231677	49.617	ug/l	96
39) Methylcyclohexane	9.343	83	308455	51.537	ug/l	96
40) Benzene	8.337	78	758892	48.794	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032320.D
Acq On : 01 Oct 2025 16:04
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:27:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	101959	57.284	ug/l	#	85
42) 1,2-Dichloroethane	8.416	62	247842	48.701	ug/l		99
43) Isopropyl Acetate	8.435	43	303946	51.877	ug/l		100
44) Trichloroethene	9.105	130	178095	48.904	ug/l		87
45) 1,2-Dichloropropane	9.374	63	191384	49.299	ug/l		97
46) Dibromomethane	9.465	93	118979	49.841	ug/l		94
47) Bromodichloromethane	9.654	83	273884	50.162	ug/l		99
48) Methyl methacrylate	9.441	41	150648	52.884	ug/l	#	91
49) 1,4-Dioxane	9.465	88	34528	1058.229	ug/l		98
51) 4-Methyl-2-Pentanone	10.215	43	878208	258.790	ug/l		100
52) Toluene	10.392	92	484871	50.061	ug/l		95
53) t-1,3-Dichloropropene	10.611	75	271391	51.234	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	306358	50.209	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	159106	49.869	ug/l		99
56) Ethyl methacrylate	10.648	69	233853	52.367	ug/l		93
57) 1,3-Dichloropropane	10.934	76	278336	49.394	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	658757	277.181	ug/l		96
59) 2-Hexanone	10.971	43	627586	262.215	ug/l		99
60) Dibromochloromethane	11.136	129	181813	50.187	ug/l		98
61) 1,2-Dibromoethane	11.239	107	154714	49.732	ug/l		99
64) Tetrachloroethene	10.867	164	147899	49.611	ug/l		96
65) Chlorobenzene	11.660	112	535619	48.862	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.733	131	166082	48.644	ug/l		99
67) Ethyl Benzene	11.733	91	922981	50.513	ug/l		100
68) m/p-Xylenes	11.837	106	699490	99.276	ug/l		99
69) o-Xylene	12.166	106	332905	50.523	ug/l		100
70) Styrene	12.178	104	594393	51.667	ug/l		97
71) Bromoform	12.349	173	100214	51.207	ug/l	#	97
73) Isopropylbenzene	12.465	105	839135	52.076	ug/l		100
74) N-amyl acetate	12.269	43	276033	53.697	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	203339	50.822	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	157491m	50.813	ug/l		
77) Bromobenzene	12.745	156	196776	50.659	ug/l		87
78) n-propylbenzene	12.800	91	1039770	51.657	ug/l		98
79) 2-Chlorotoluene	12.891	91	631196	51.287	ug/l		97
80) 1,3,5-Trimethylbenzene	12.940	105	729628	52.365	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.513	75	66508	54.360	ug/l		91
82) 4-Chlorotoluene	12.989	91	663842	50.734	ug/l		100
83) tert-Butylbenzene	13.202	119	611748	53.510	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	729966	51.522	ug/l		99
85) sec-Butylbenzene	13.379	105	904532	51.774	ug/l		99
86) p-Isopropyltoluene	13.495	119	763912	52.697	ug/l		99
87) 1,3-Dichlorobenzene	13.501	146	397346	50.518	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	380433	48.372	ug/l		97
89) n-Butylbenzene	13.818	91	748452	52.880	ug/l		99
90) Hexachloroethane	14.086	117	134862	51.903	ug/l		94
91) 1,2-Dichlorobenzene	13.867	146	347039	48.810	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	36524	52.139	ug/l		88
93) 1,2,4-Trichlorobenzene	15.129	180	218198	51.178	ug/l		93
94) Hexachlorobutadiene	15.232	225	90599	46.478	ug/l		87
95) Naphthalene	15.360	128	572147	55.881	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	206623	51.417	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032320.D
Acq On : 01 Oct 2025 16:04
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 02 21:27:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

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

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

ICAL Form

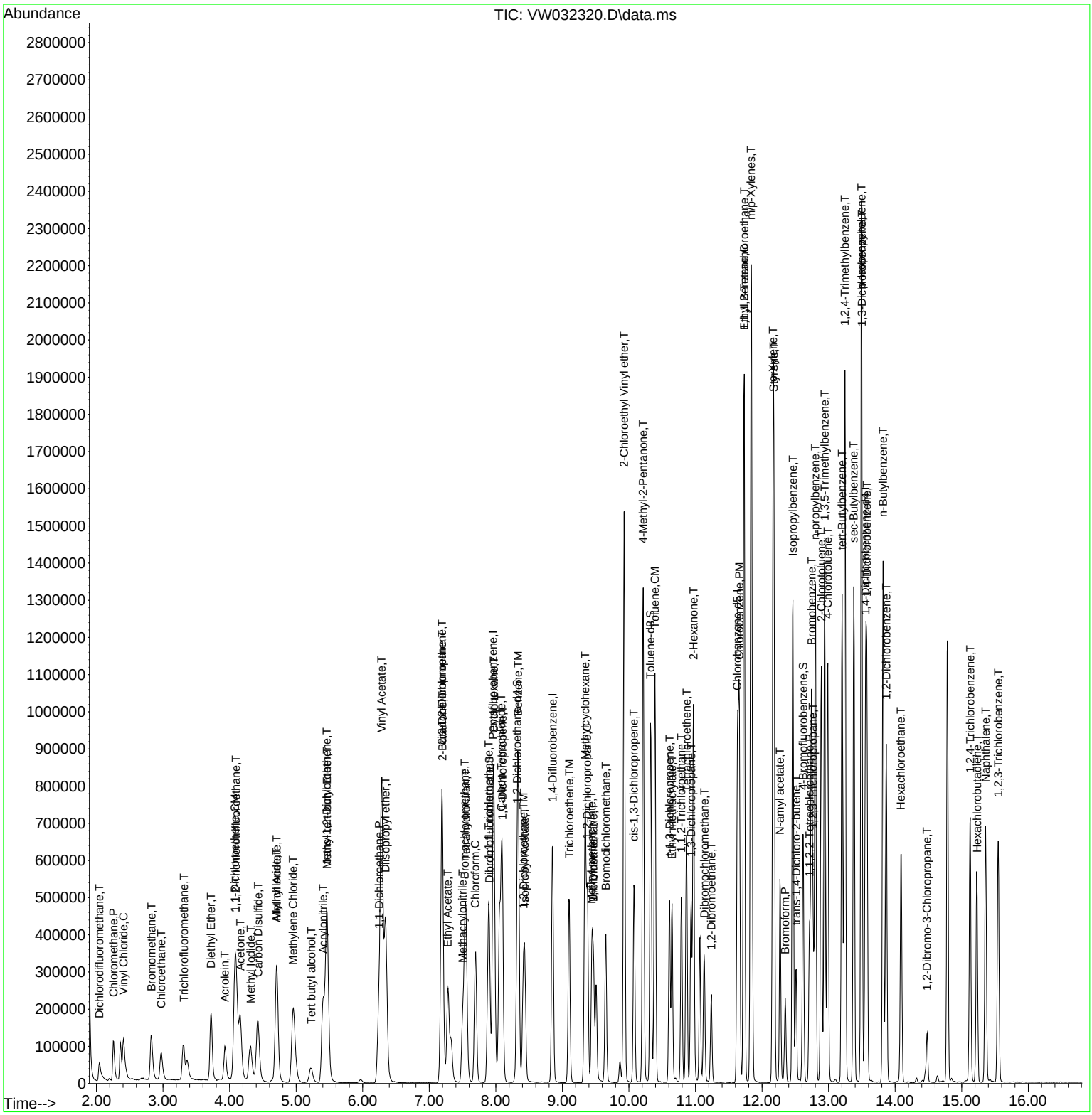
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
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Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

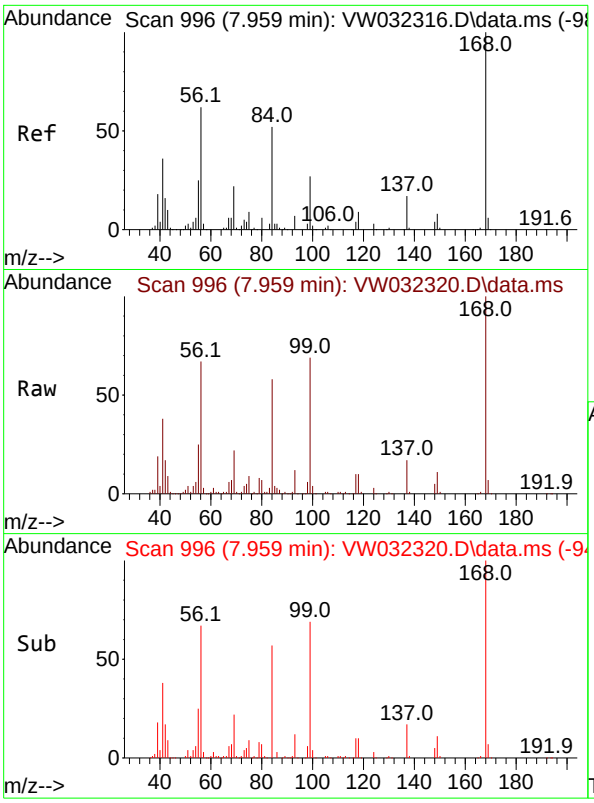
Quant Time: Oct 02 21:27:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

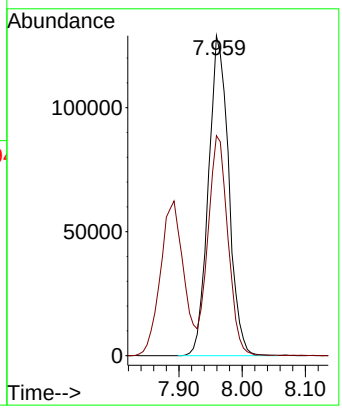




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:168 Resp: 28664

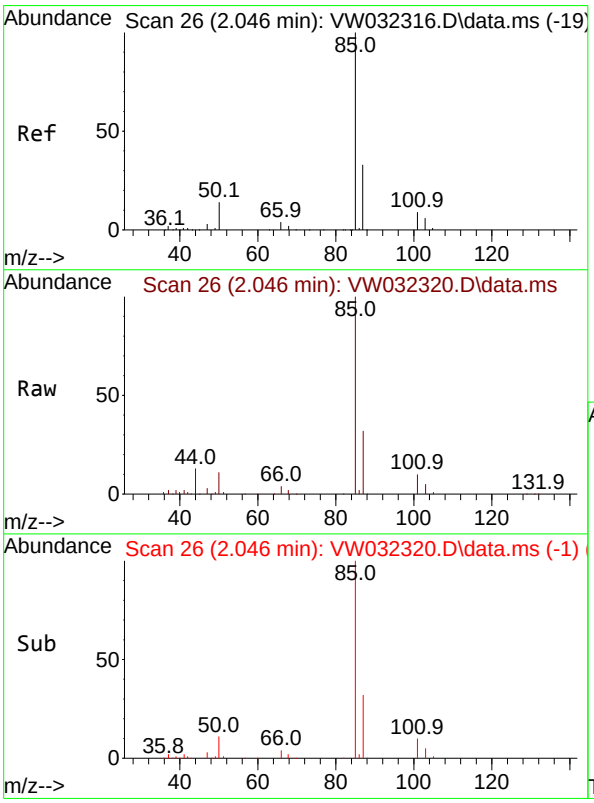
Ion	Ratio	Lower	Upper
168	100		
99	68.6	49.3	73.9



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

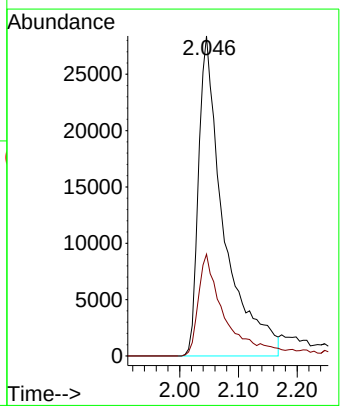
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

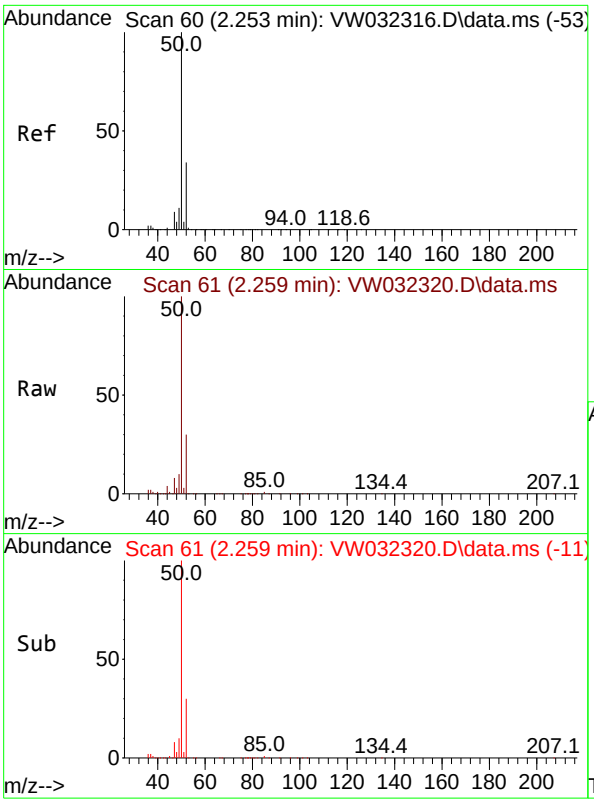


#2
Dichlorodifluoromethane
Concen: 47.081 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 85 Resp: 84688

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.2	51.6

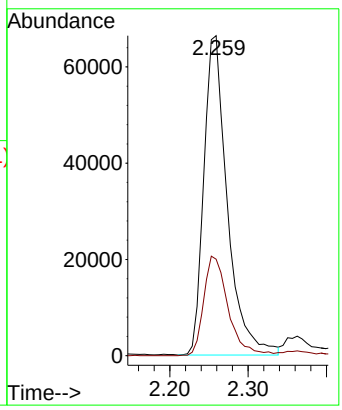




#3
Chloromethane
Concen: 49.950 ug/l
RT: 2.259 min Scan# 6
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 50 Resp: 13863

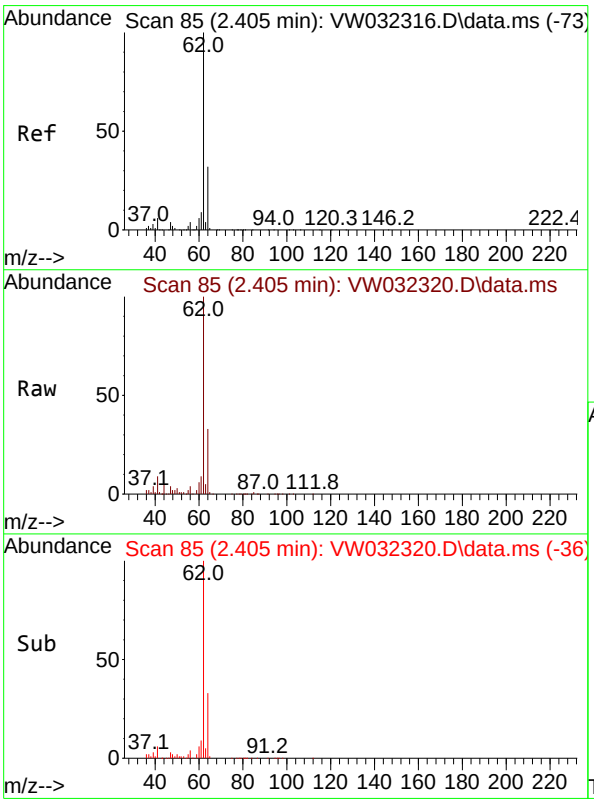
Ion	Ratio	Lower	Upper
50	100		
52	30.2	26.1	39.1



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

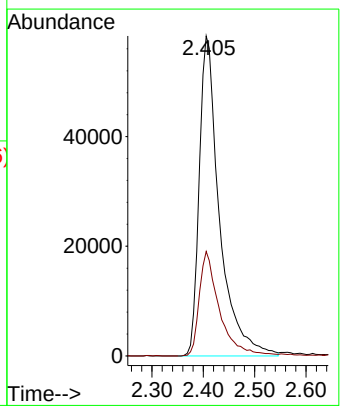
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

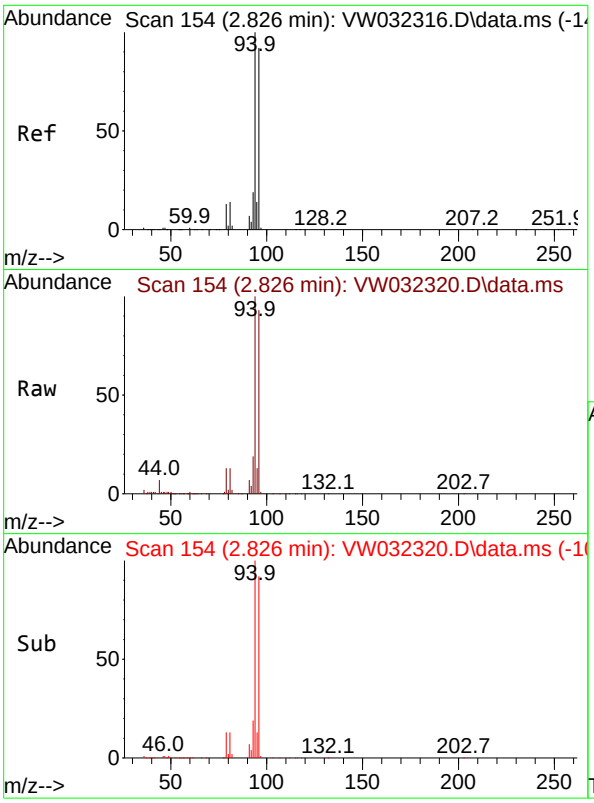


#4
Vinyl Chloride
Concen: 48.072 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 62 Resp: 159289

Ion	Ratio	Lower	Upper
62	100		
64	32.7	24.8	37.2

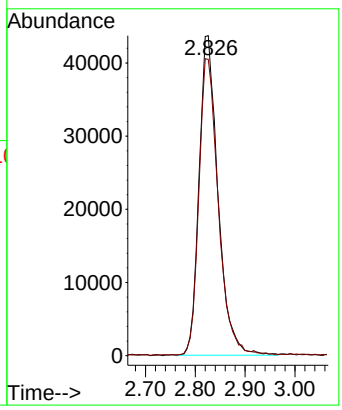




#5
Bromomethane
Concen: 47.340 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 94 Resp: 11527

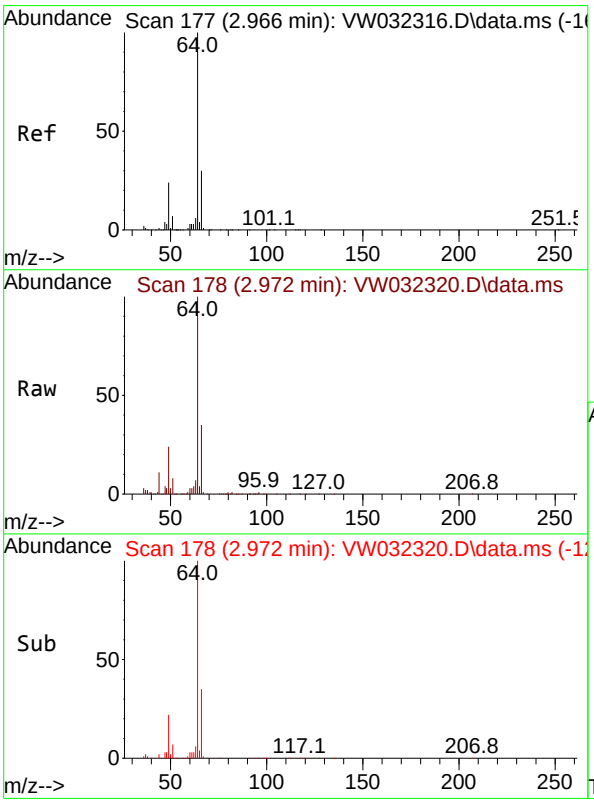
Ion	Ratio	Lower	Upper
94	100		
96	92.5	76.6	115.0



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

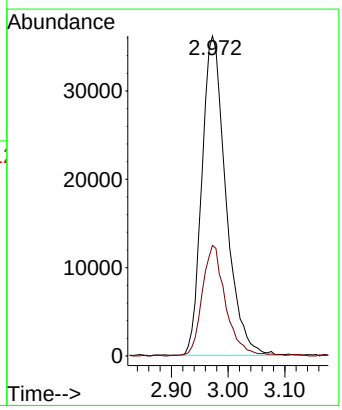
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

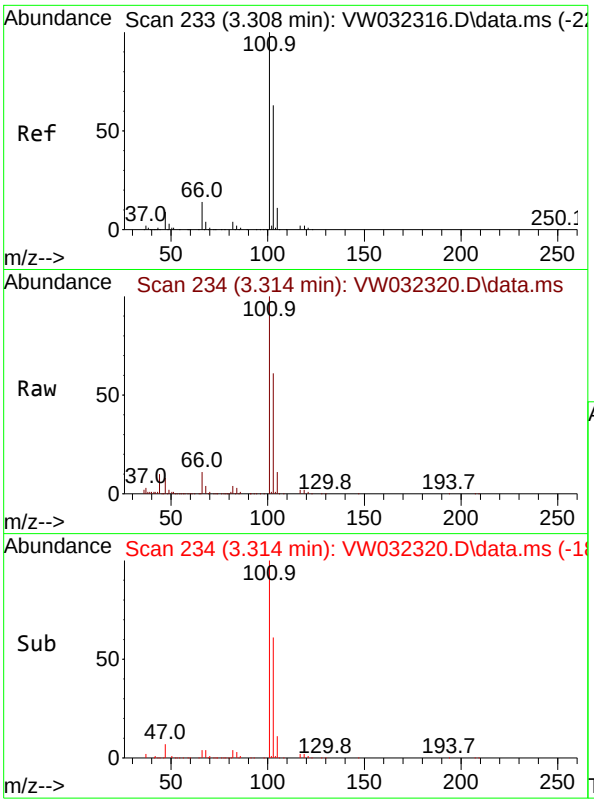


#6
Chloroethane
Concen: 48.536 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 64 Resp: 106181

Ion	Ratio	Lower	Upper
64	100		
66	34.4	26.2	39.4





#7
Trichlorofluoromethane
Concen: 49.907 ug/l
RT: 3.314 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

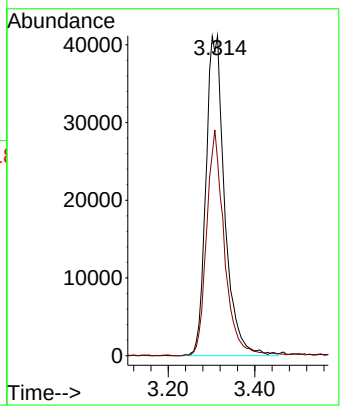
Tgt Ion:101 Resp: 12381

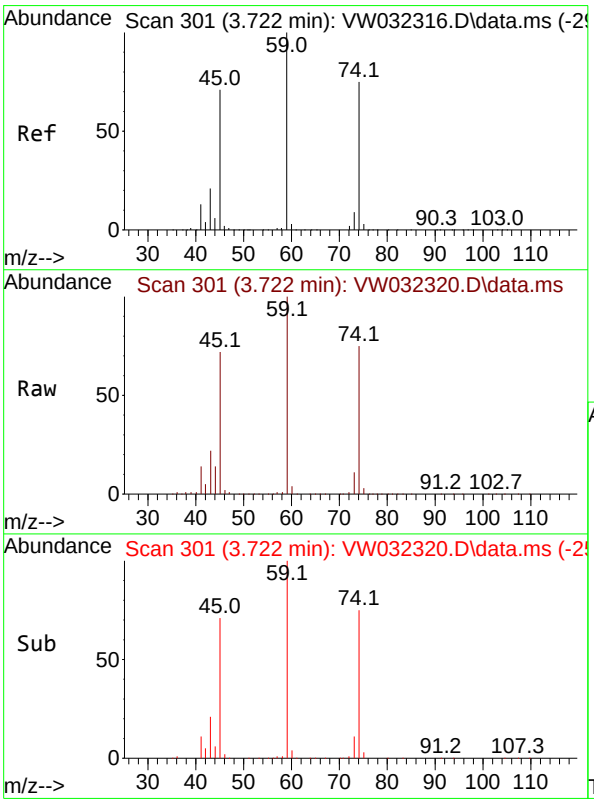
Ion	Ratio	Lower	Upper
101	100		
103	61.1	47.8	71.8

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

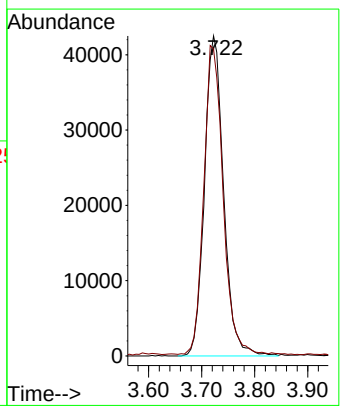


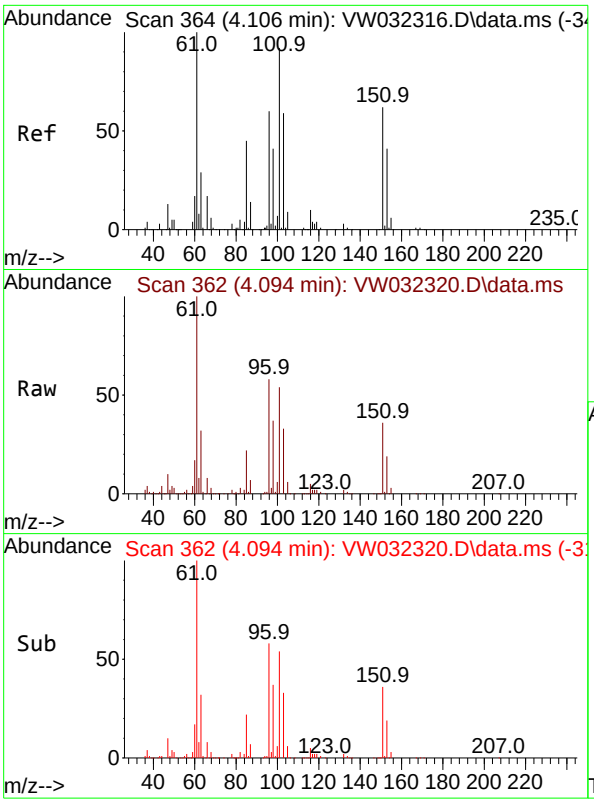


#8
Diethyl Ether
Concen: 49.634 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 74 Resp: 106705

Ion	Ratio	Lower	Upper
74	100		
45	96.8	43.1	129.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.296 ug/l
RT: 4.094 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

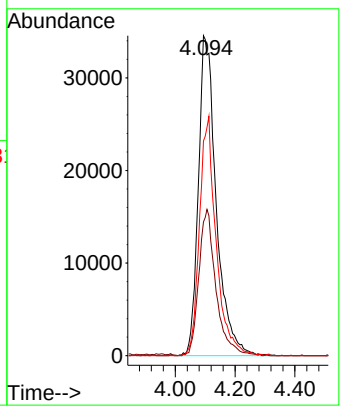
Tgt Ion:101 Resp: 14371

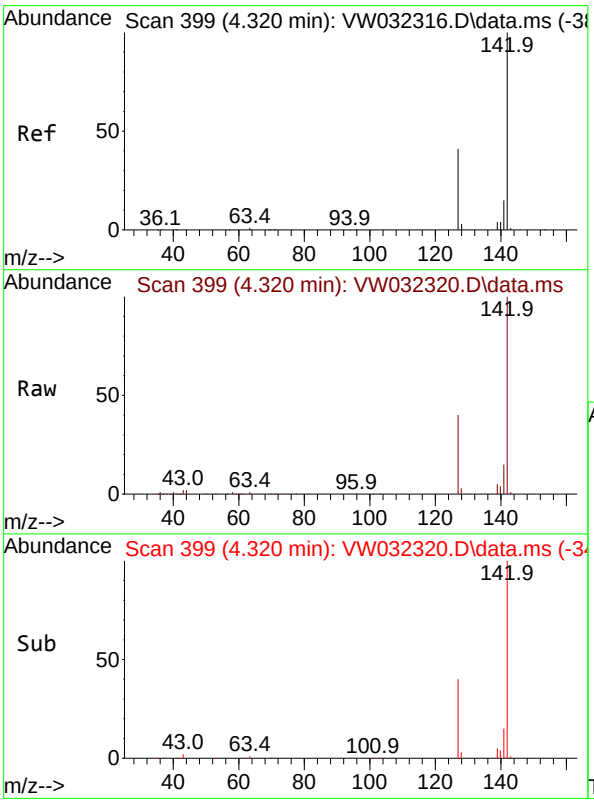
Ion	Ratio	Lower	Upper
101	100		
85	43.7	37.1	55.7
151	69.6	61.5	92.3

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

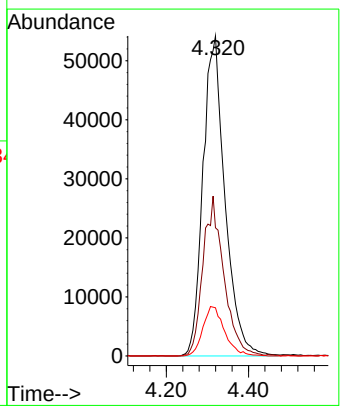


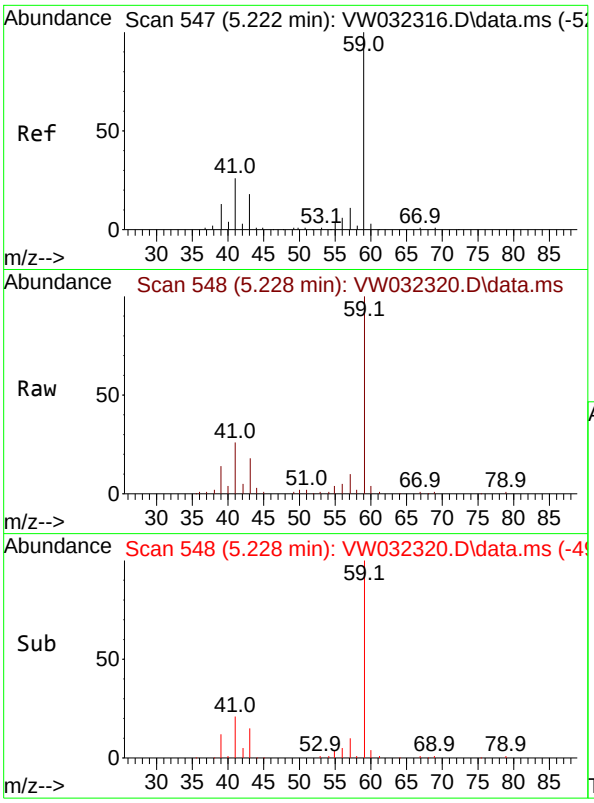


#10
Methyl Iodide
Concen: 47.371 ug/l
RT: 4.320 min Scan# 399
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:142 Resp: 201132

Ion	Ratio	Lower	Upper
142	100		
127	47.4	38.2	57.2
141	15.3	12.2	18.2

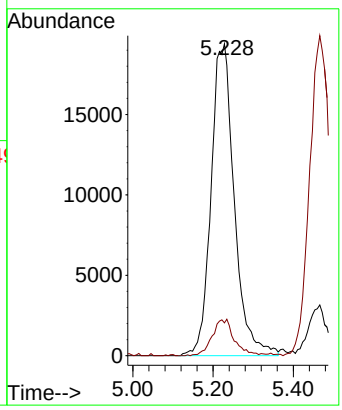




#11
Tert butyl alcohol
Concen: 246.126 ug/l
RT: 5.228 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 59 Resp: 7789

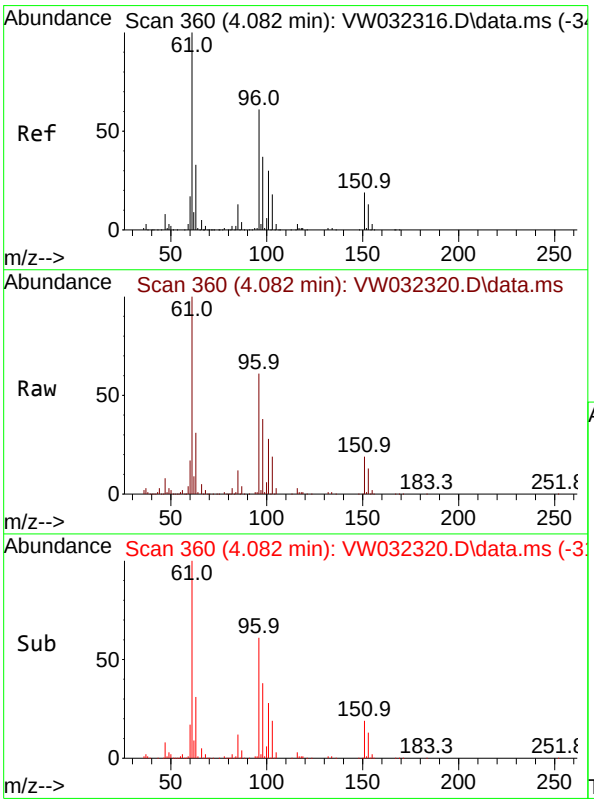
Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.8	14.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

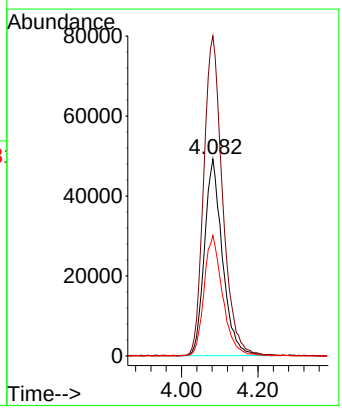
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

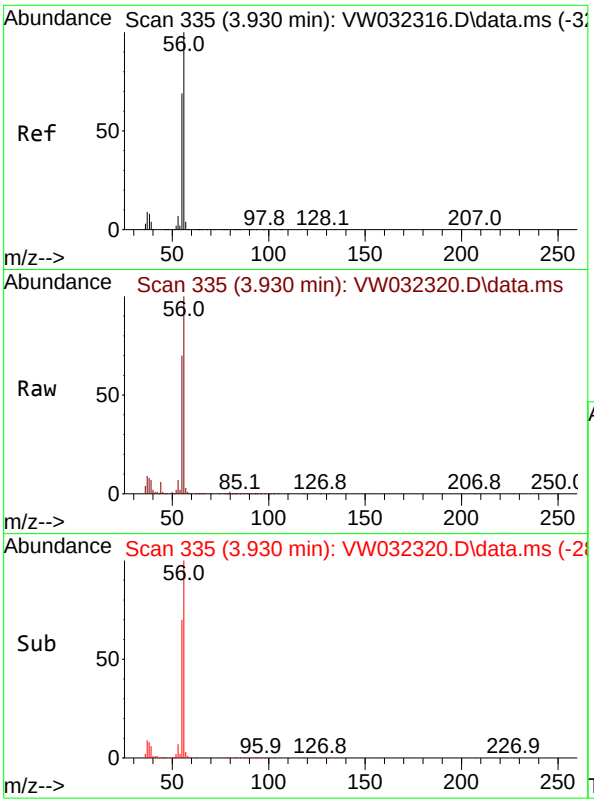


#12
1,1-Dichloroethene
Concen: 49.800 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 96 Resp: 160883

Ion	Ratio	Lower	Upper
96	100		
61	162.9	123.0	184.4
98	61.4	48.5	72.7

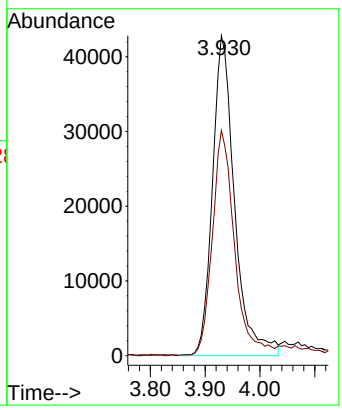




#13
Acrolein
Concen: 233.328 ug/l
RT: 3.930 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 56 Resp: 11984

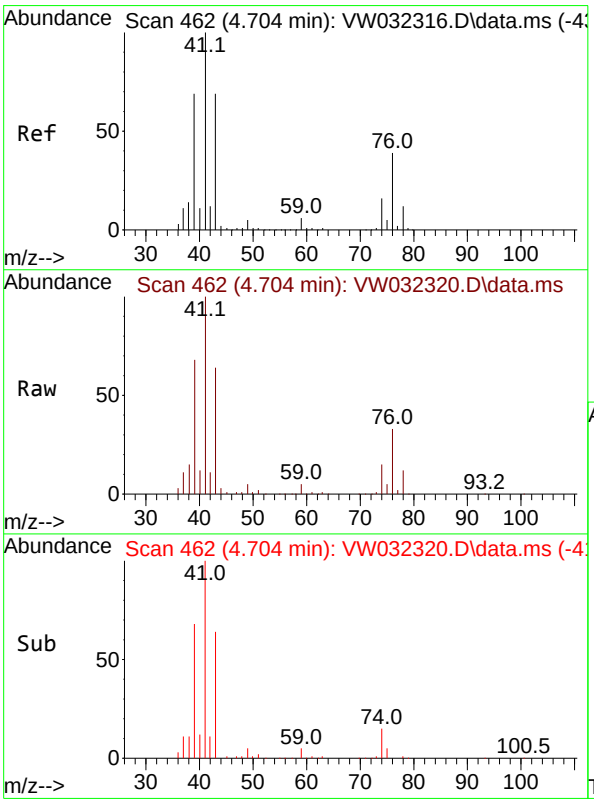
Ion	Ratio	Lower	Upper
56	100		
55	70.0	56.4	84.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

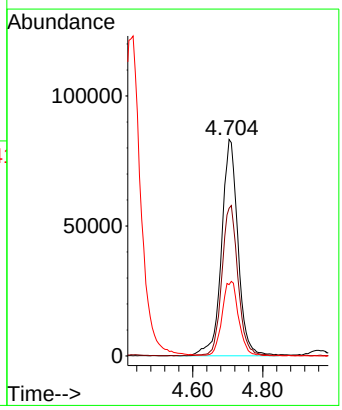
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

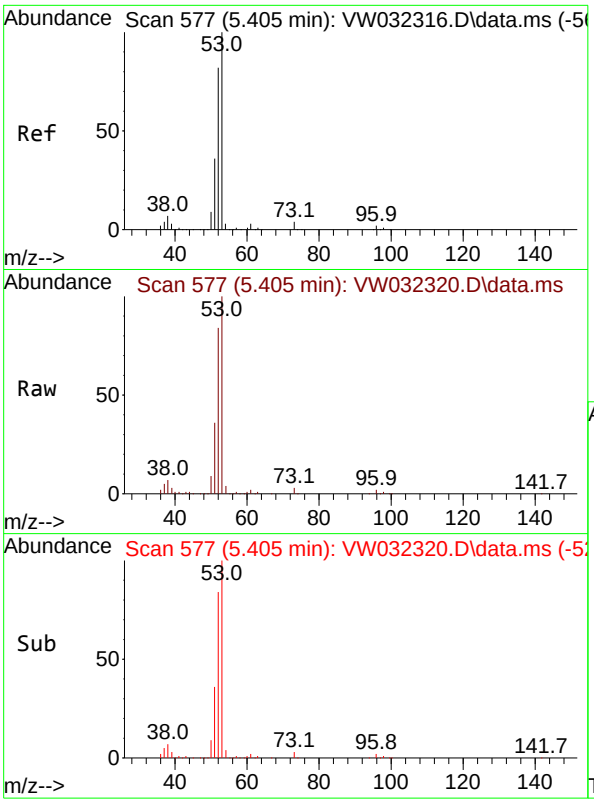


#14
Allyl chloride
Concen: 49.818 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 41 Resp: 271835

Ion	Ratio	Lower	Upper
41	100		
39	67.6	64.1	96.1
76	34.3	31.4	47.2





#15
Acrylonitrile
Concen: 258.222 ug/l
RT: 5.405 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

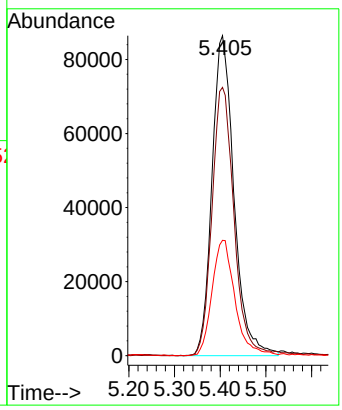
Tgt Ion: 53 Resp: 28880

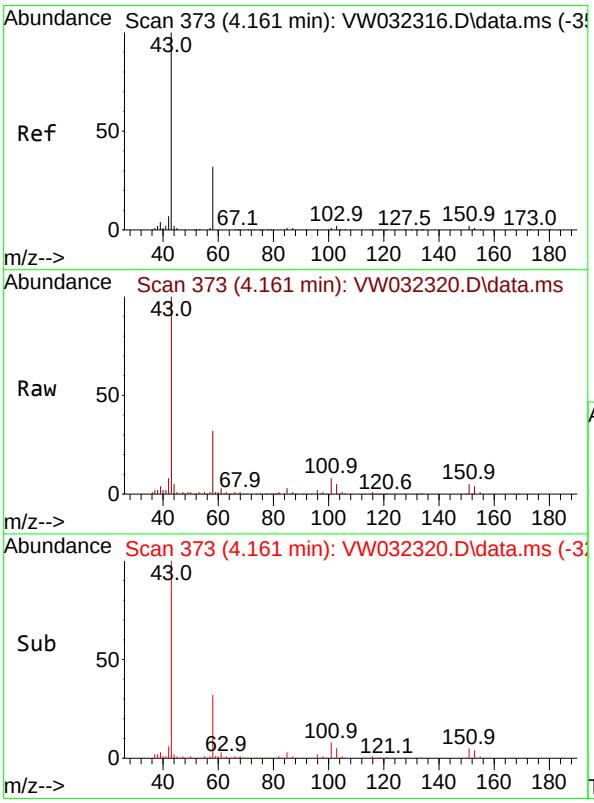
Ion	Ratio	Lower	Upper
53	100		
52	84.6	67.4	101.2
51	37.6	30.3	45.5

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

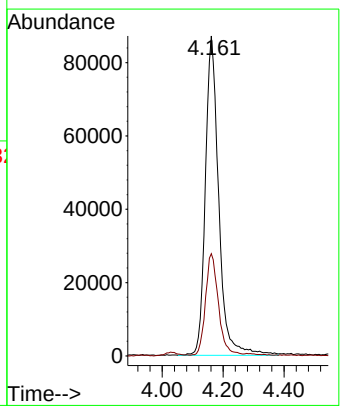


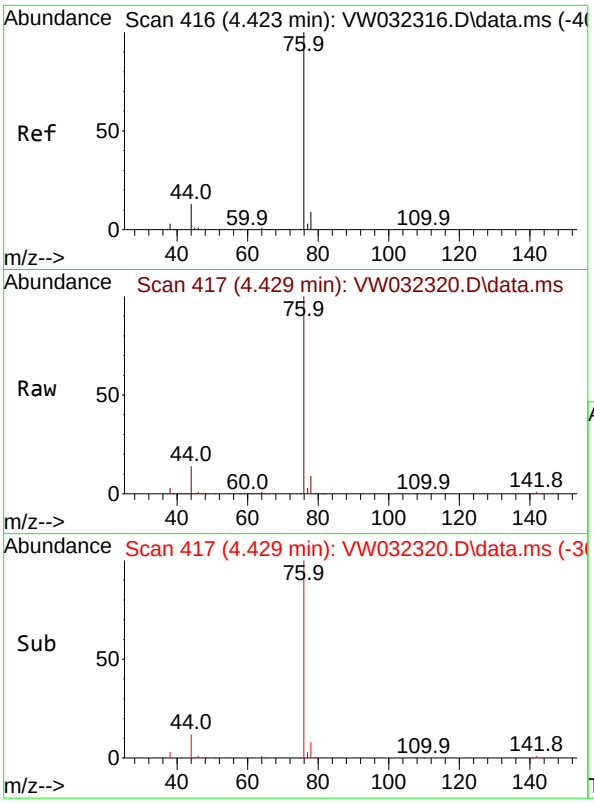


#16
Acetone
Concen: 228.796 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 43 Resp: 264871

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.3	37.9

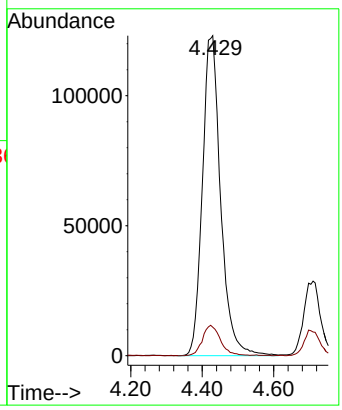




#17
Carbon Disulfide
Concen: 49.511 ug/l
RT: 4.429 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 76 Resp: 43641

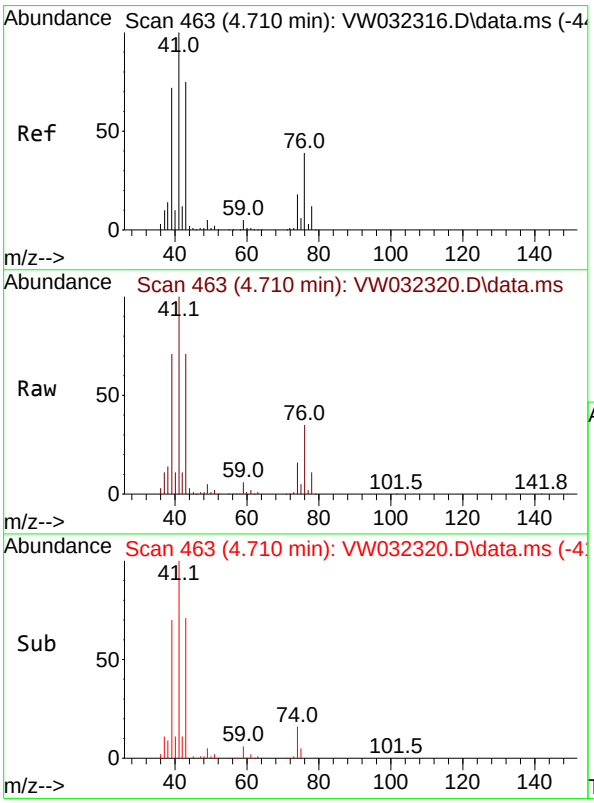
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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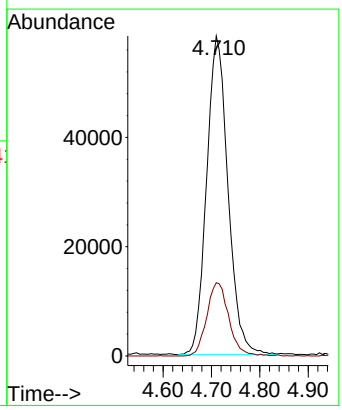
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

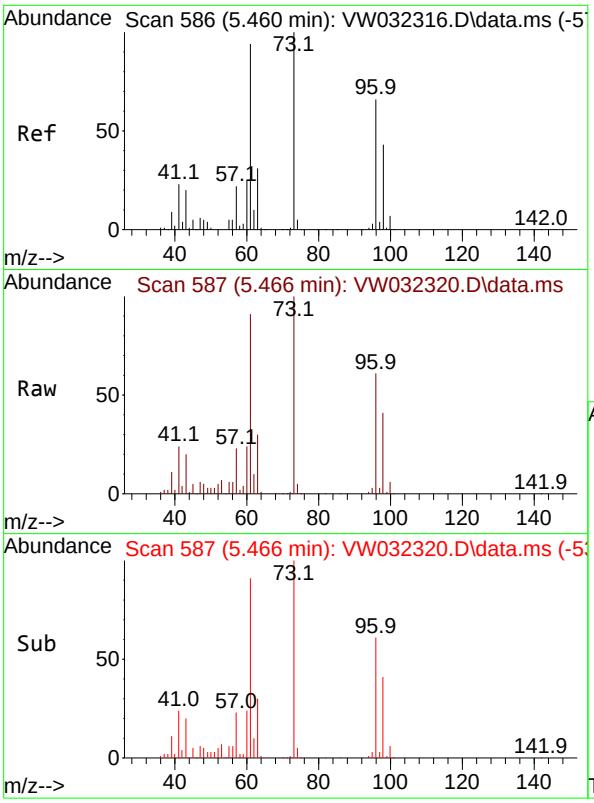


#18
Methyl Acetate
Concen: 54.058 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 43 Resp: 179271

Ion	Ratio	Lower	Upper
43	100		
74	23.4	20.2	30.4

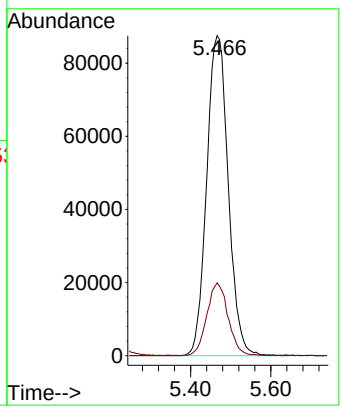




#19
Methyl tert-butyl Ether
Concen: 51.342 ug/l
RT: 5.466 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 73 Resp: 32668

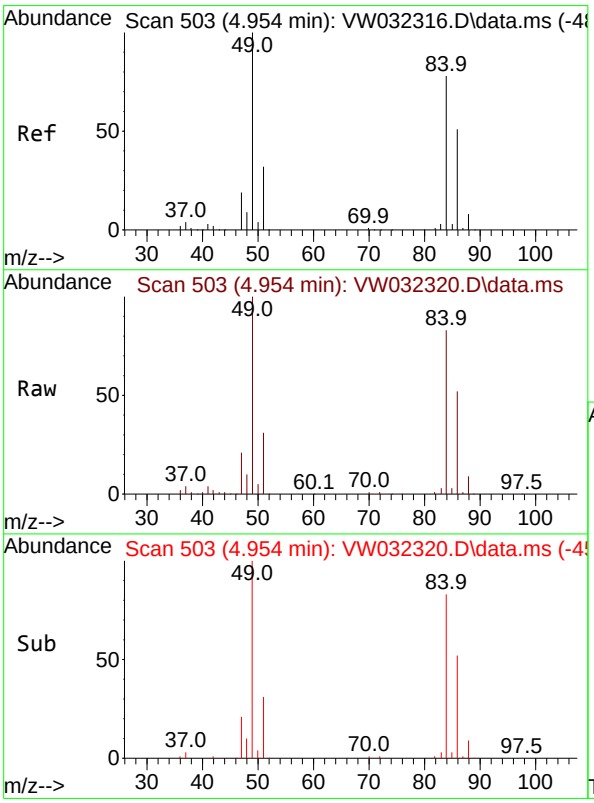
Ion	Ratio	Lower	Upper
73	100		
57	22.7	16.2	24.4



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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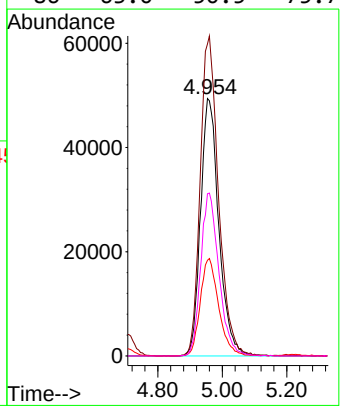
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

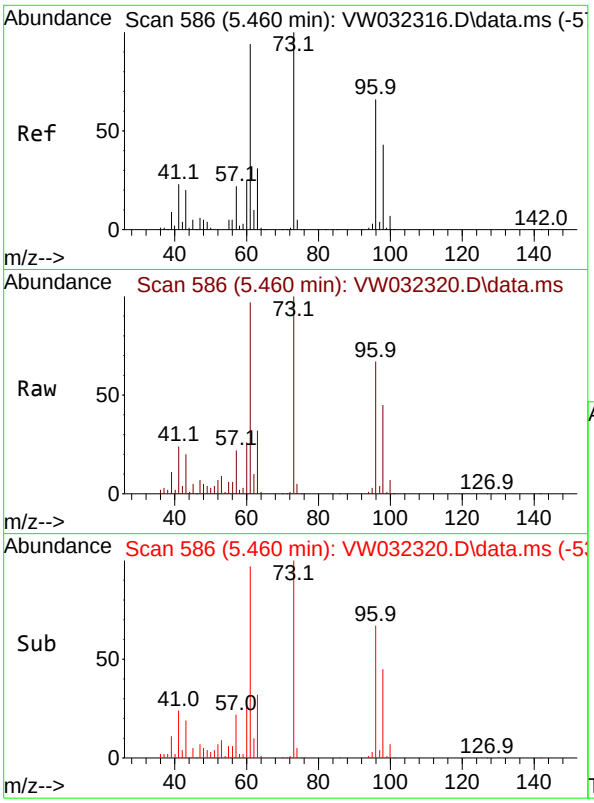


#20
Methylene Chloride
Concen: 50.746 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 84 Resp: 194169

Ion	Ratio	Lower	Upper
84	100		
49	121.2	92.2	138.4
51	37.1	31.0	46.6
86	63.0	50.5	75.7





#21
trans-1,2-Dichloroethene
Concen: 50.555 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

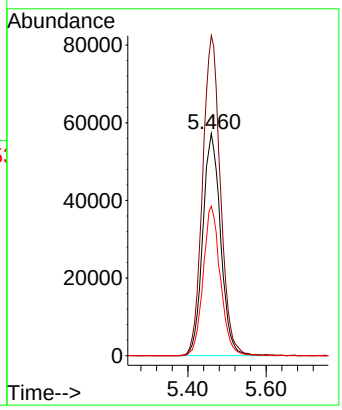
Tgt Ion: 96 Resp: 18082

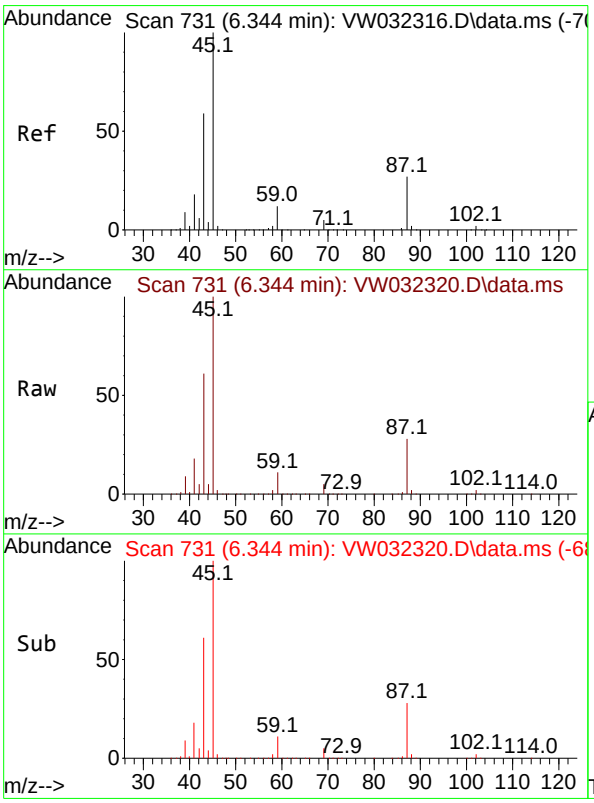
Ion	Ratio	Lower	Upper
96	100		
61	144.0	112.5	168.7
98	67.4	54.2	81.4

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

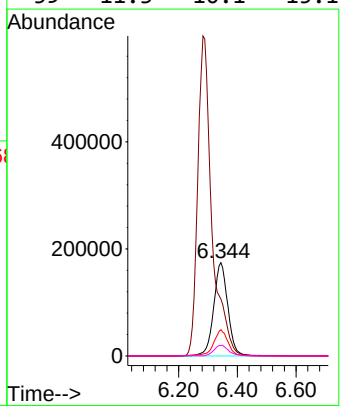


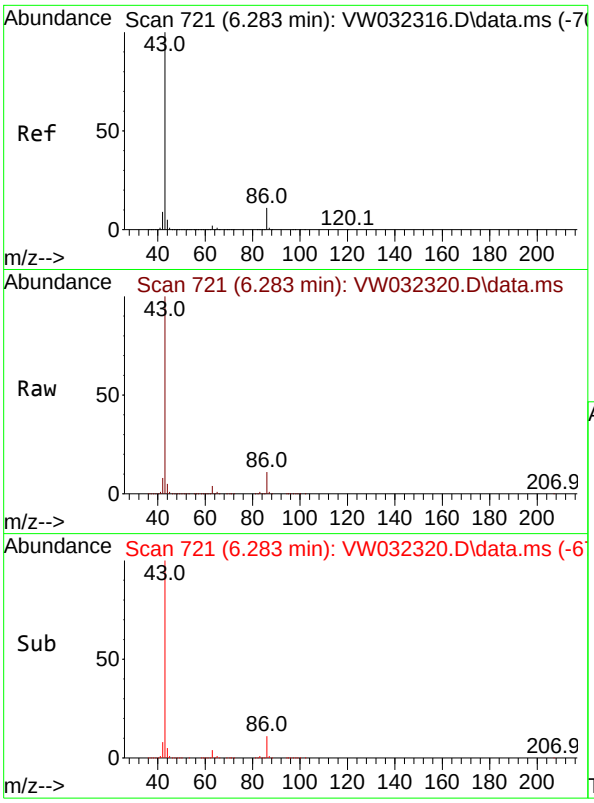


#22
Diisopropyl ether
Concen: 51.202 ug/l
RT: 6.344 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 45 Resp: 581042

Ion	Ratio	Lower	Upper
45	100		
43	60.9	51.4	77.2
87	28.2	25.9	38.9
59	11.3	10.1	15.1





#23
Vinyl Acetate
Concen: 263.598 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

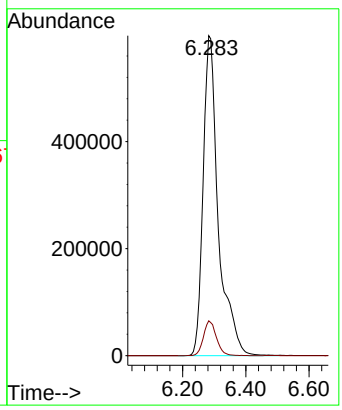
Tgt Ion: 43 Resp: 199801

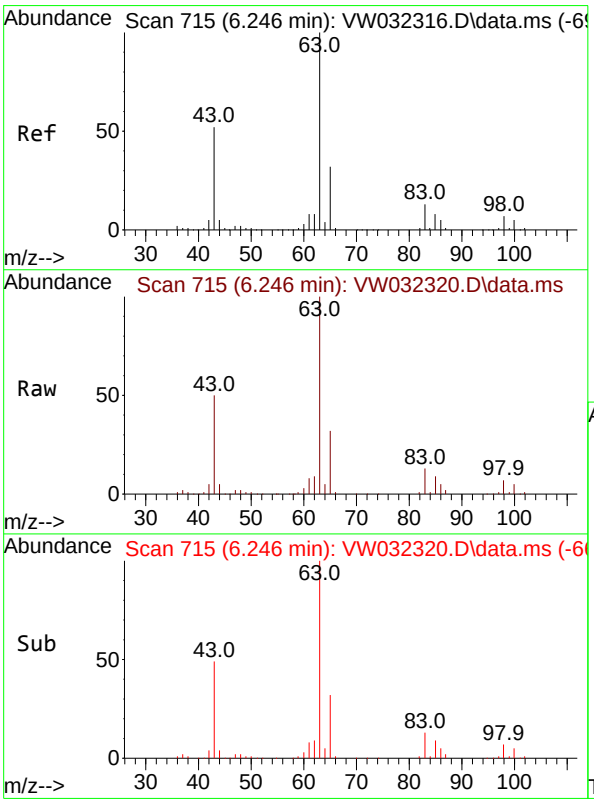
Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.8	13.2

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

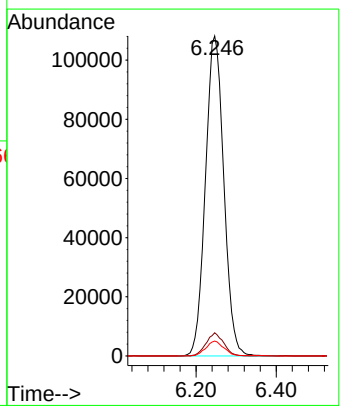


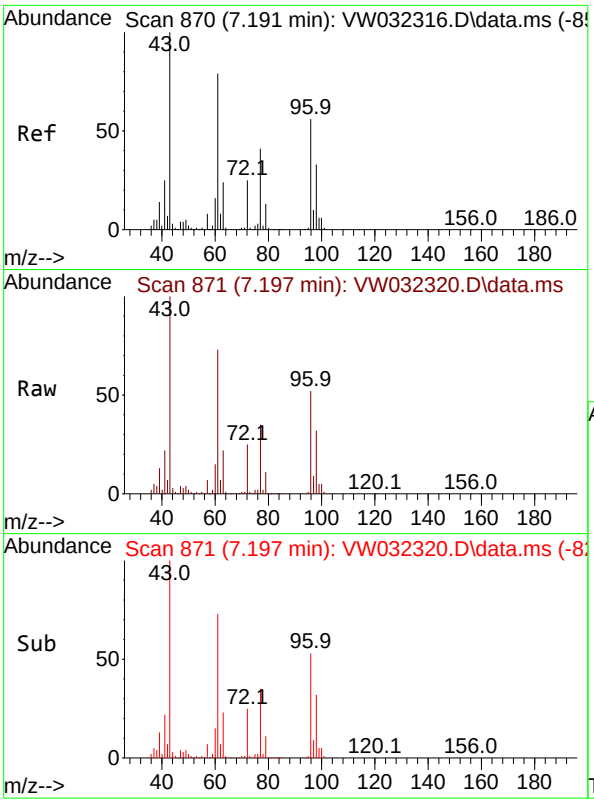


#24
1,1-Dichloroethane
Concen: 49.949 ug/l
RT: 6.246 min Scan# 715
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 63 Resp: 344370

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.8	11.2
100	4.7	2.5	7.5





#25
2-Butanone
Concen: 253.341 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

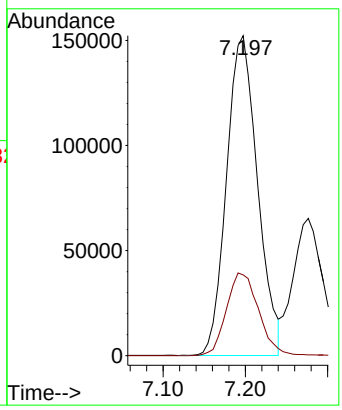
Tgt Ion: 43 Resp: 39944

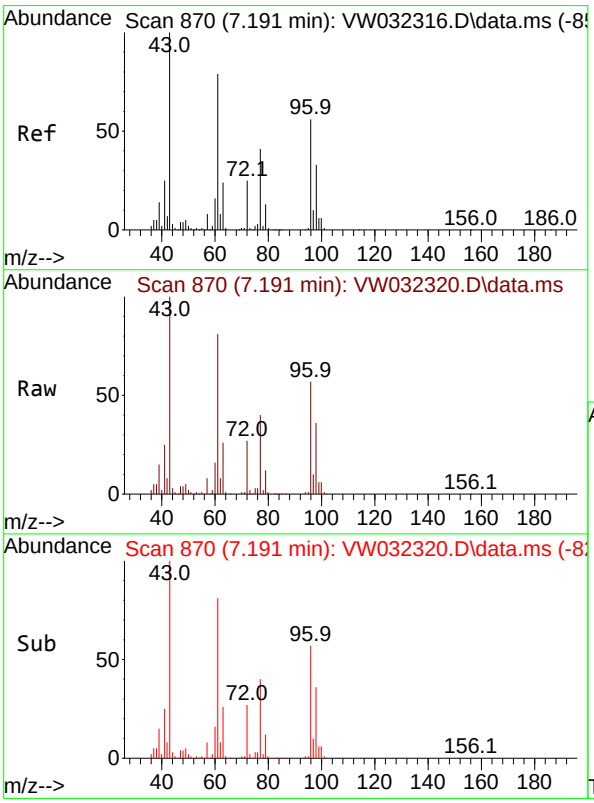
Ion	Ratio	Lower	Upper
43	100		
72	25.3	21.4	32.2

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

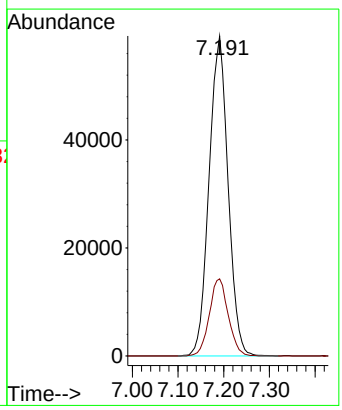


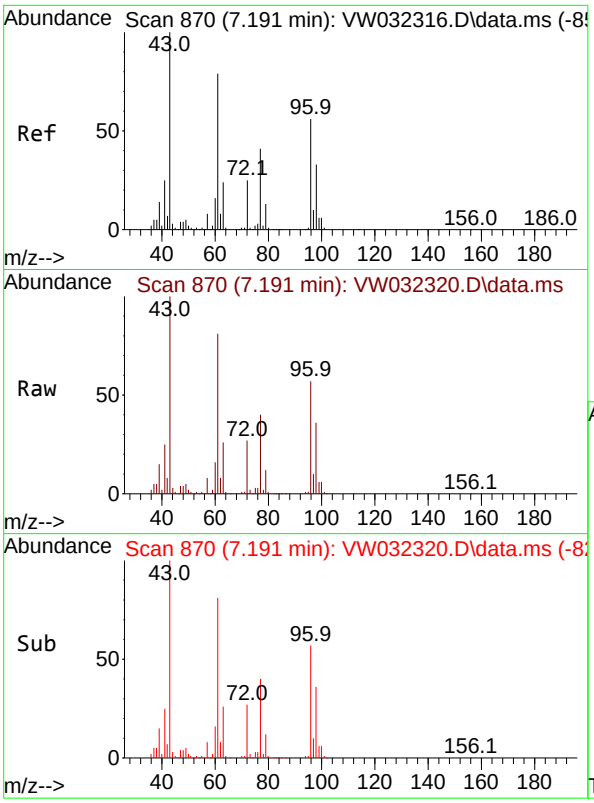


#26
2,2-Dichloropropane
Concen: 48.528 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 77 Resp: 171137

Ion	Ratio	Lower	Upper
77	100		
97	24.0	11.9	35.5

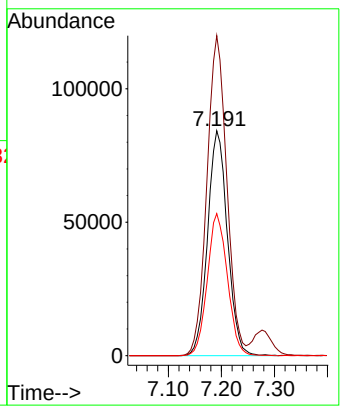




#27
cis-1,2-Dichloroethene
Concen: 50.954 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 96 Resp: 21894

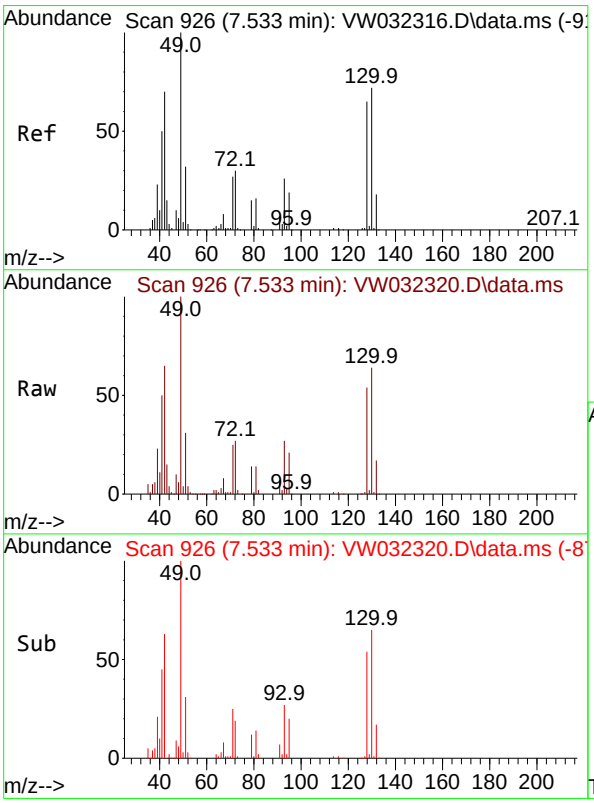
Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	268.0
98	63.9	0.0	130.8



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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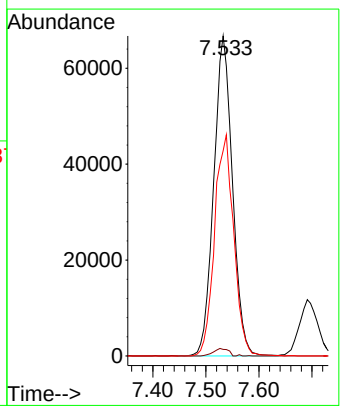
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

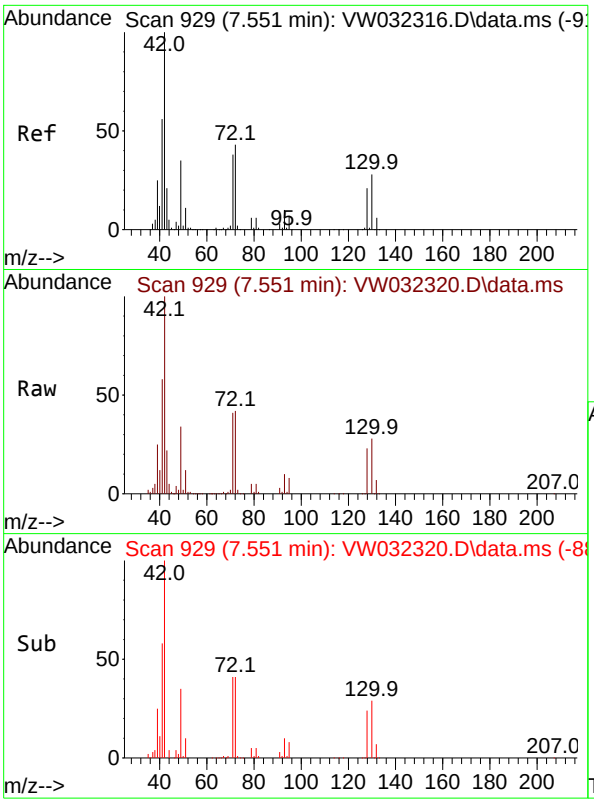


#28
Bromochloromethane
Concen: 50.575 ug/l
RT: 7.533 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 49 Resp: 164051

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.2
130	70.8	67.5	101.3





#29
Tetrahydrofuran
Concen: 267.648 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

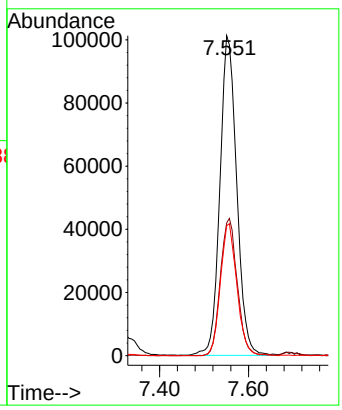
Tgt Ion: 42 Resp: 26538

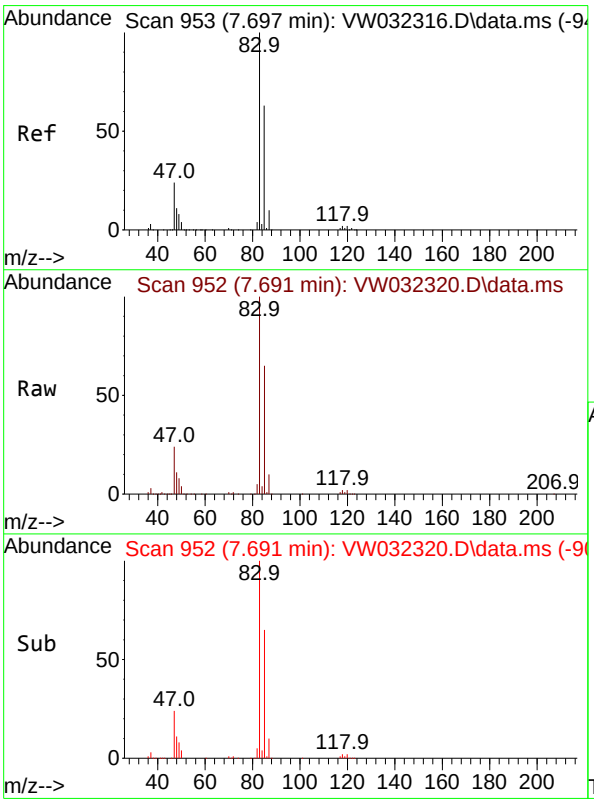
Ion	Ratio	Lower	Upper
42	100		
72	42.9	37.4	56.2
71	40.4	36.0	54.0

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

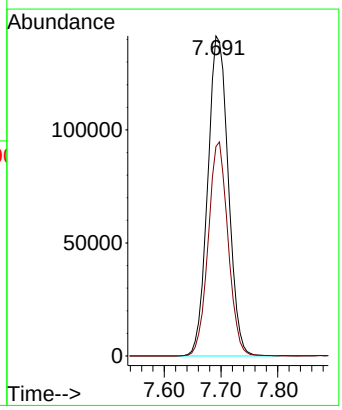


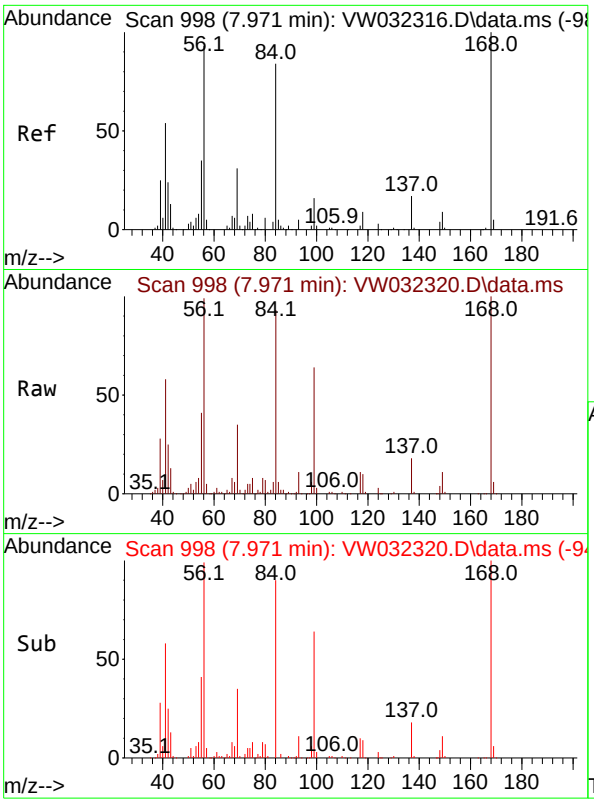


#30
Chloroform
Concen: 50.980 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 83 Resp: 356459

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.2	76.8

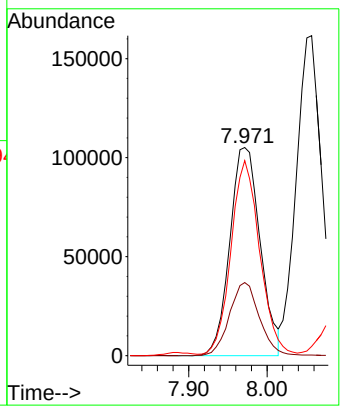




#31
Cyclohexane
Concen: 48.179 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 56 Resp: 28357

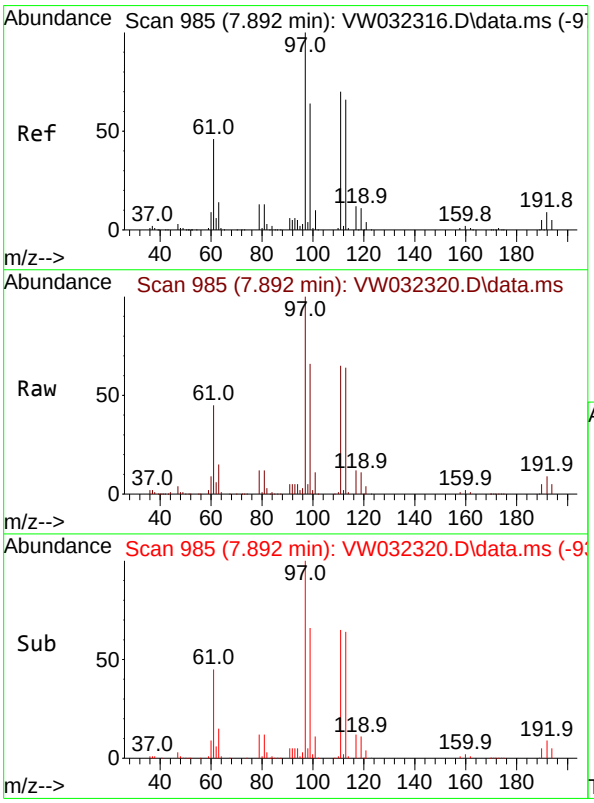
Ion	Ratio	Lower	Upper
56	100		
69	35.2	27.7	41.5
84	92.2	74.6	112.0



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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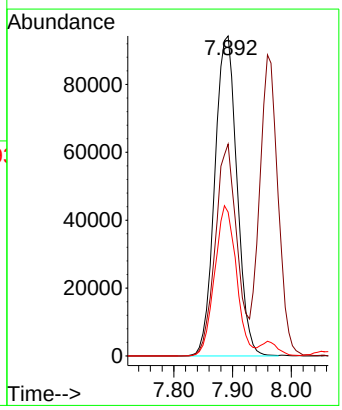
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

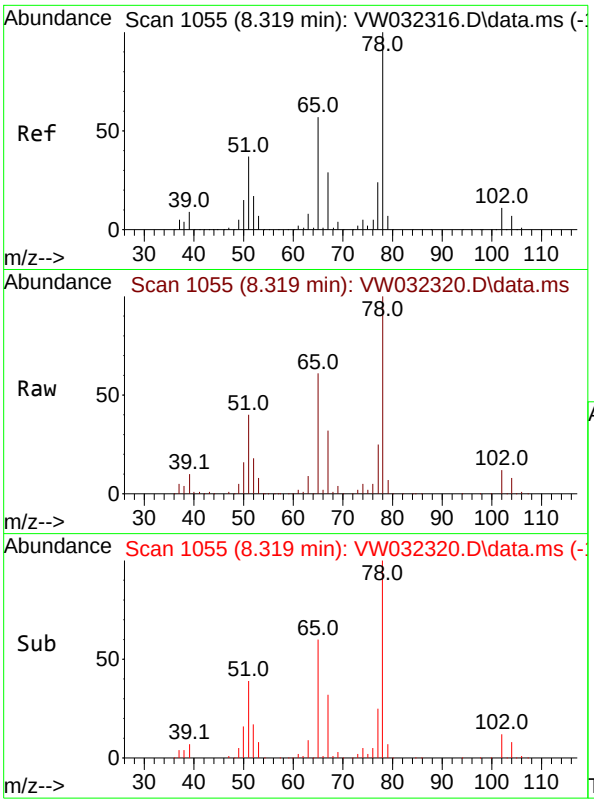


#32
1,1,1-Trichloroethane
Concen: 49.989 ug/l
RT: 7.892 min Scan# 985
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 97 Resp: 247681

Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.9	76.3
61	46.2	36.2	54.4





#33
1,2-Dichloroethane-d4
Concen: 50.638 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

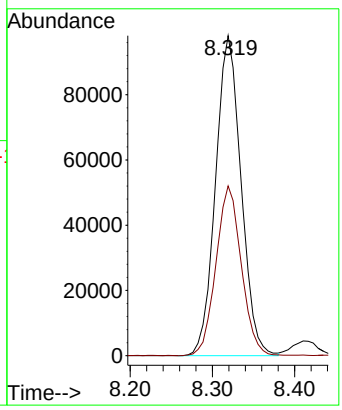
Tgt Ion: 65 Resp: 21171

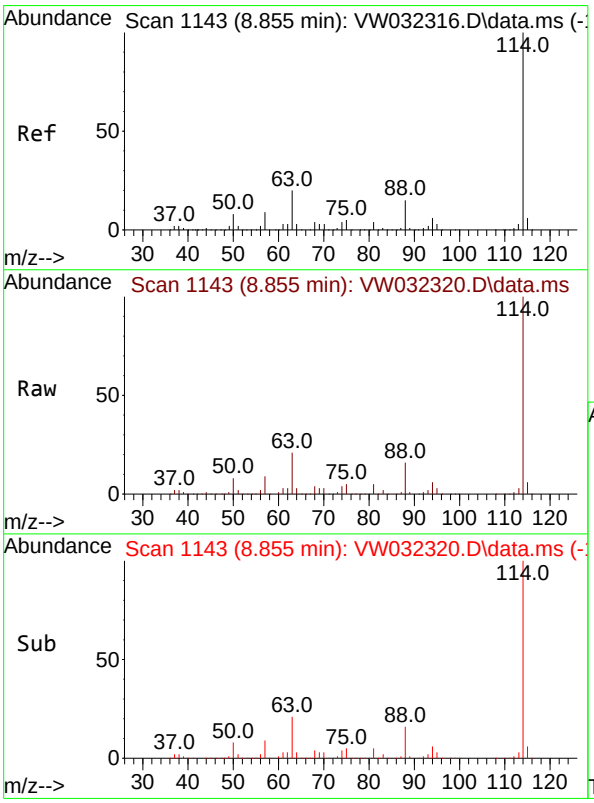
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	99.6

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

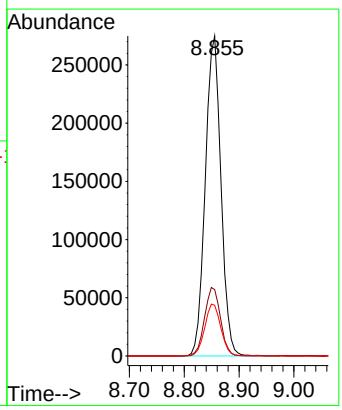


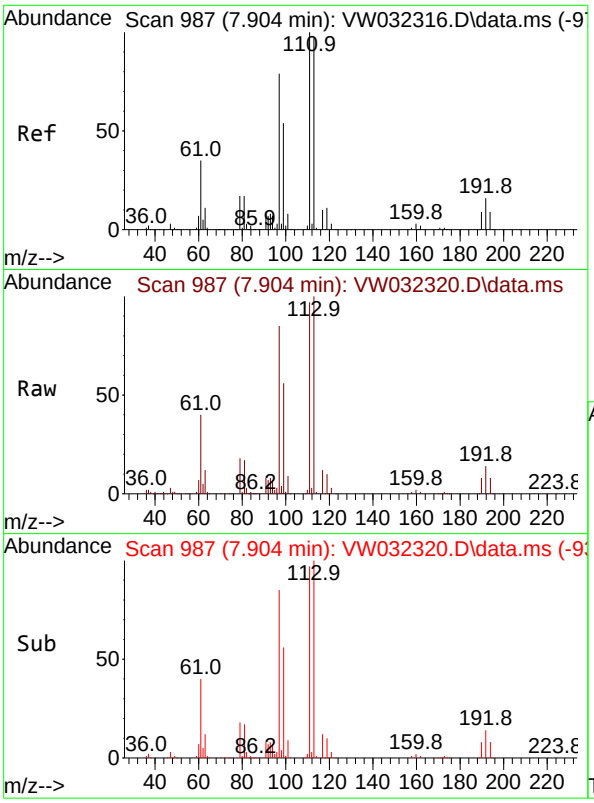


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:114 Resp: 542900

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.4
88	15.9	0.0	32.0





#35
Dibromofluoromethane
Concen: 49.108 ug/l
RT: 7.904 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

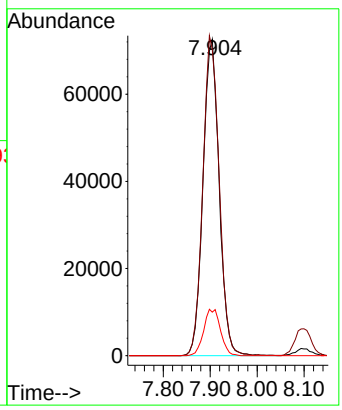
Tgt Ion:113 Resp: 17265

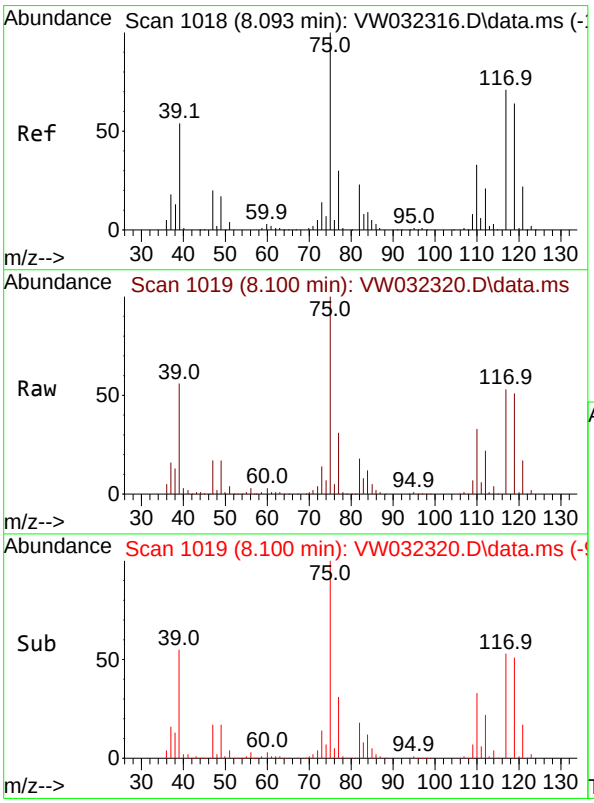
Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.9	125.9
192	15.3	14.6	21.8

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

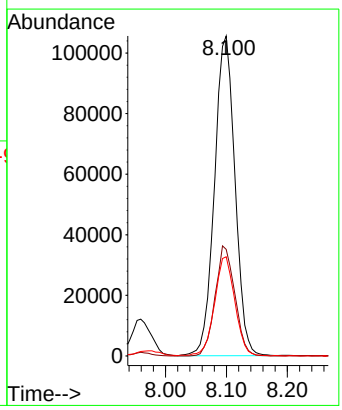


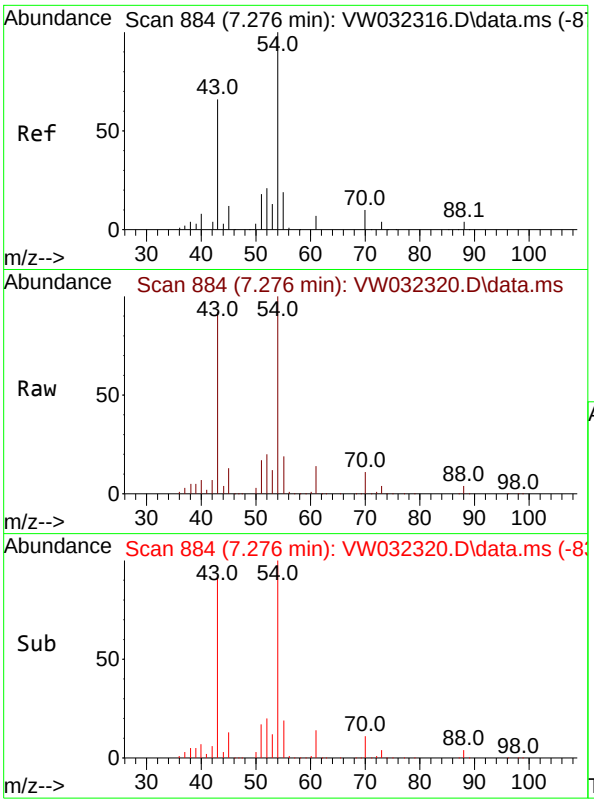


#36
1,1-Dichloropropene
Concen: 49.661 ug/l
RT: 8.100 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 75 Resp: 246414

Ion	Ratio	Lower	Upper
75	100		
110	33.2	17.5	52.5
77	30.9	24.1	36.1





#37
Ethyl Acetate
Concen: 51.871 ug/l
RT: 7.276 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

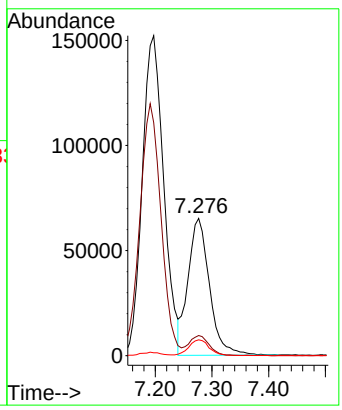
Tgt Ion: 43 Resp: 17131

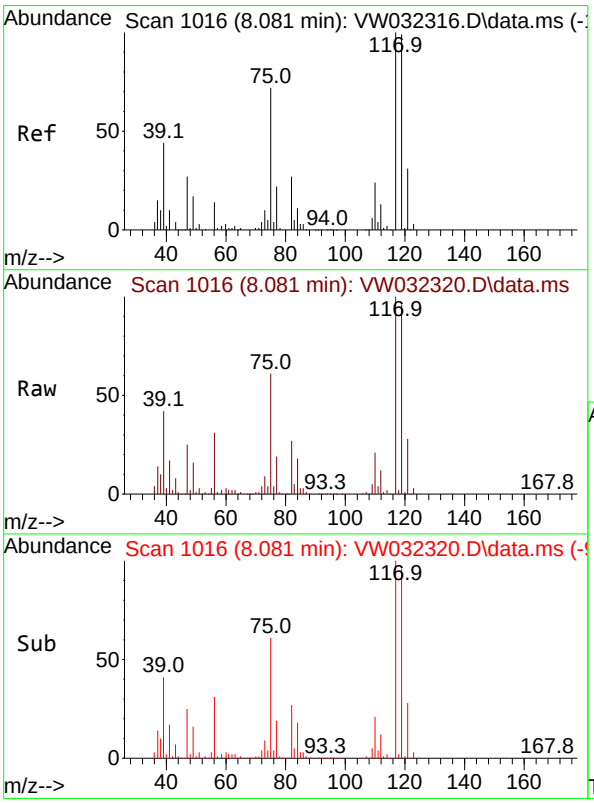
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.3	16.9
70	11.0	8.9	13.3

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

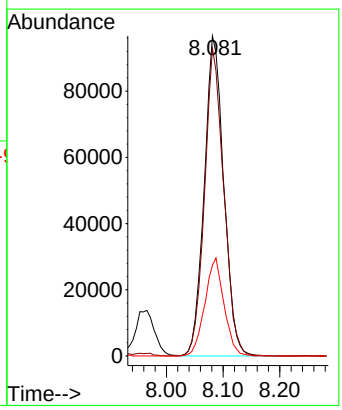


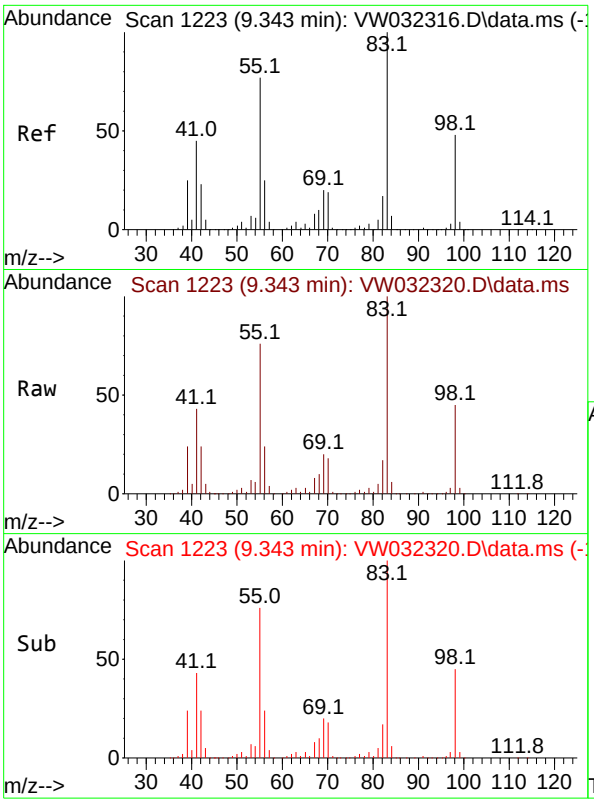


#38
Carbon Tetrachloride
Concen: 49.617 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:117 Resp: 231677

Ion	Ratio	Lower	Upper
117	100		
119	96.2	74.2	111.2
121	28.3	25.6	38.4





#39
Methylcyclohexane
Concen: 51.537 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

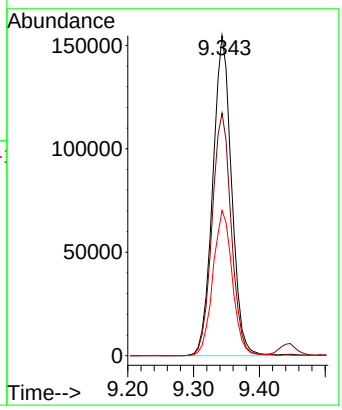
Tgt Ion: 83 Resp: 30845

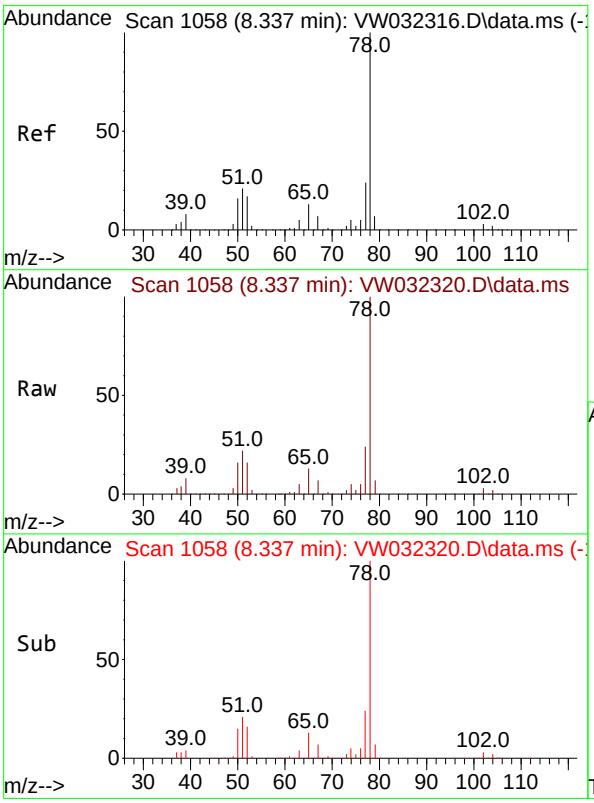
Ion	Ratio	Lower	Upper
83	100		
55	75.8	58.4	87.6
98	45.4	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

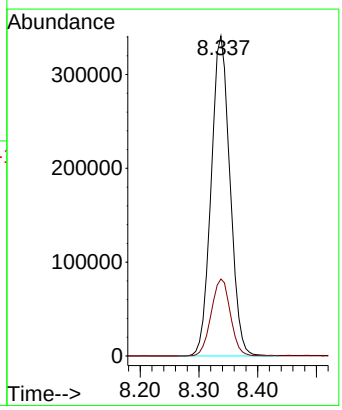


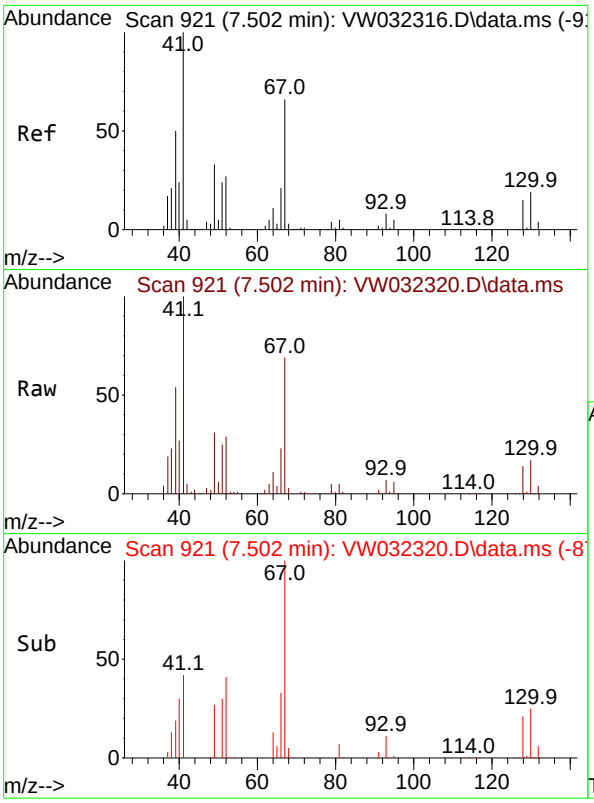


#40
Benzene
Concen: 48.794 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 78 Resp: 758892

Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.7	31.1

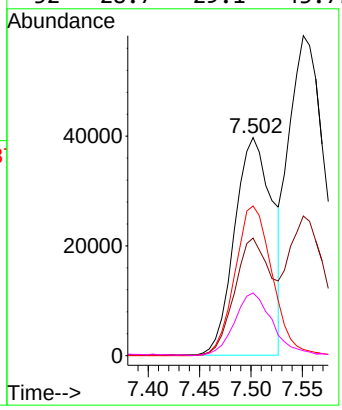




#41
Methacrylonitrile
Concen: 57.284 ug/l
RT: 7.502 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 41 Resp: 10195

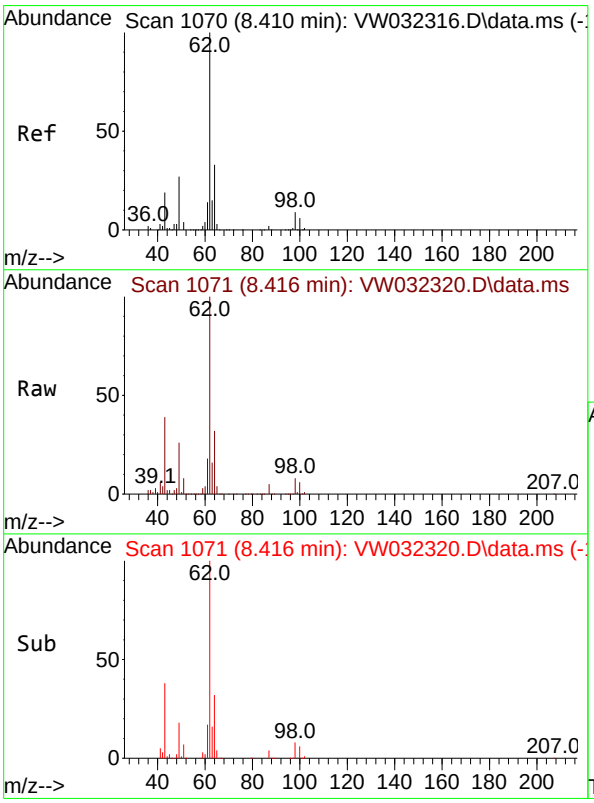
Ion	Ratio	Lower	Upper
41	100		
39	52.3	50.9	76.3
67	68.2	65.6	98.4
52	28.7	29.1	43.7#



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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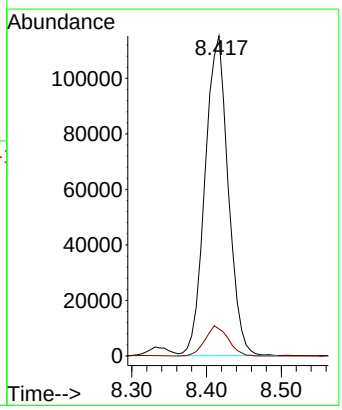
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

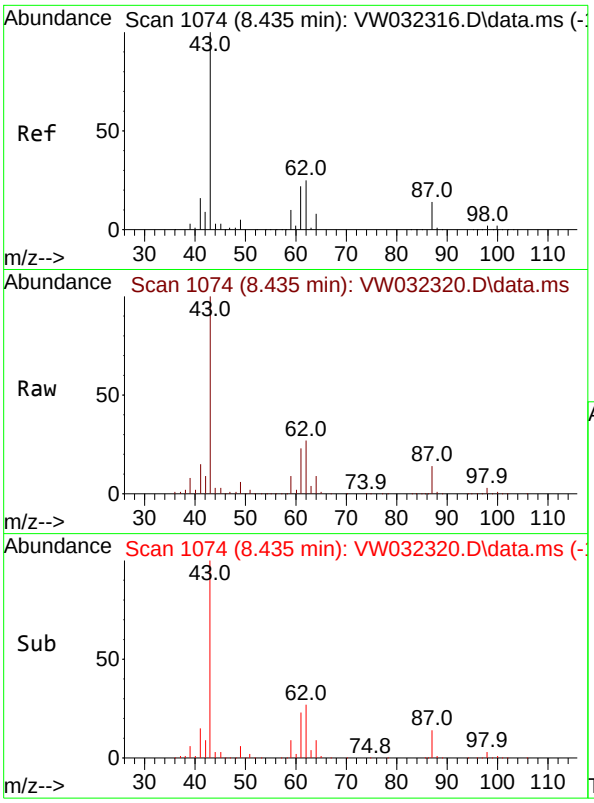


#42
1,2-Dichloroethane
Concen: 48.701 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 62 Resp: 247842

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0





#43
Isopropyl Acetate
Concen: 51.877 ug/l
RT: 8.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

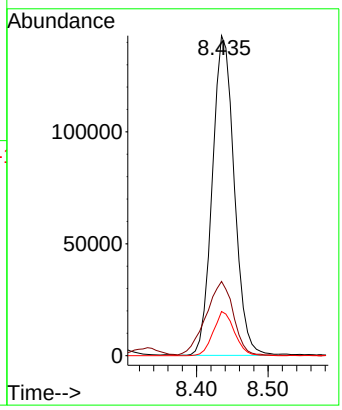
Tgt Ion: 43 Resp: 30394

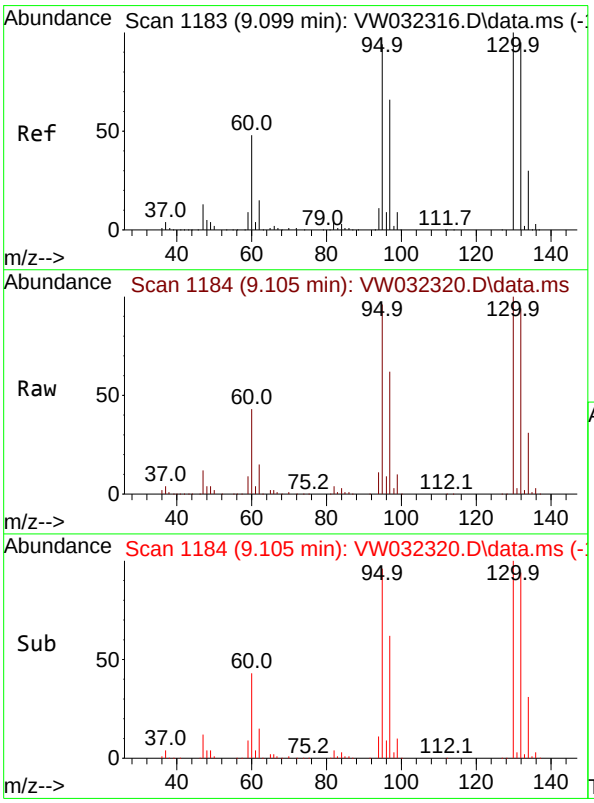
Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.3	34.9
87	13.4	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

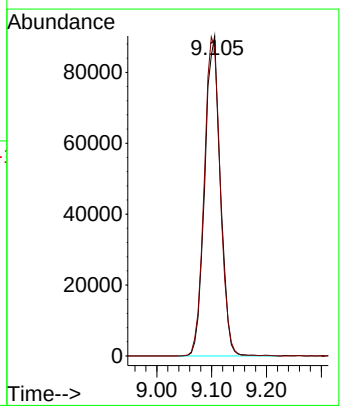


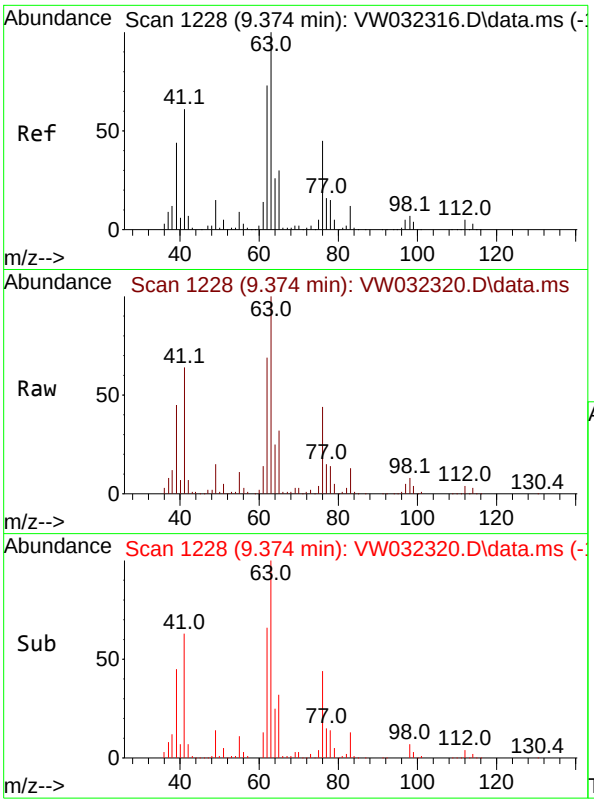


#44
Trichloroethene
Concen: 48.904 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:130 Resp: 178095

Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	220.0





#45
1,2-Dichloropropane
Concen: 49.299 ug/l
RT: 9.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

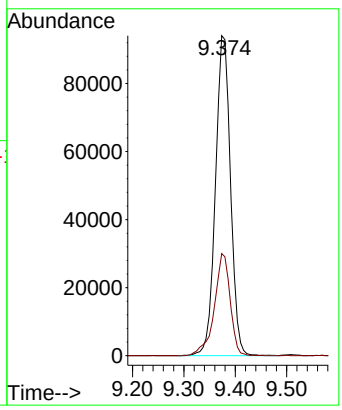
Tgt Ion: 63 Resp: 19138

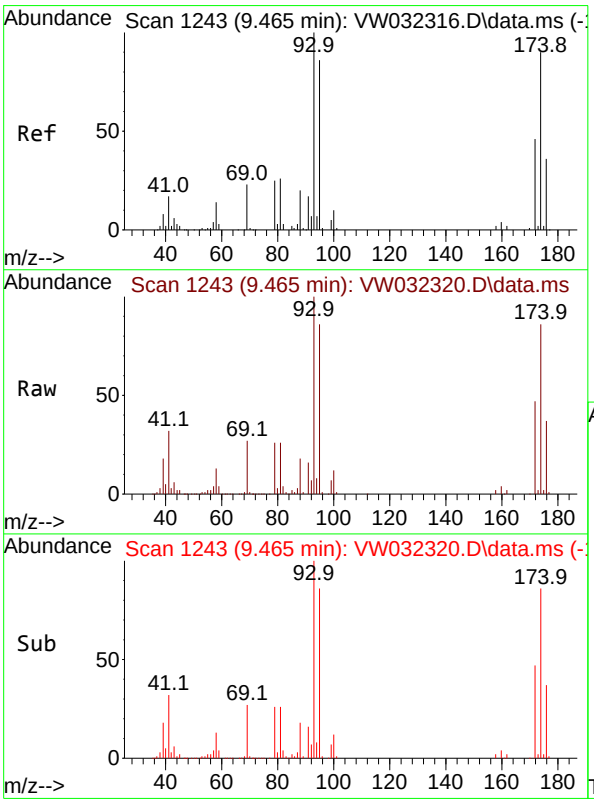
Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.3	36.5

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

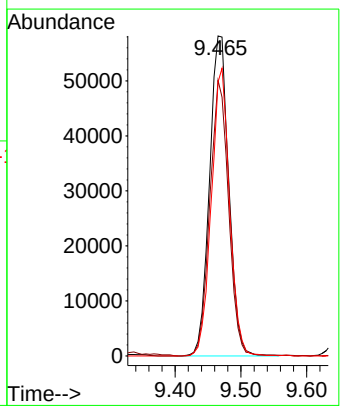


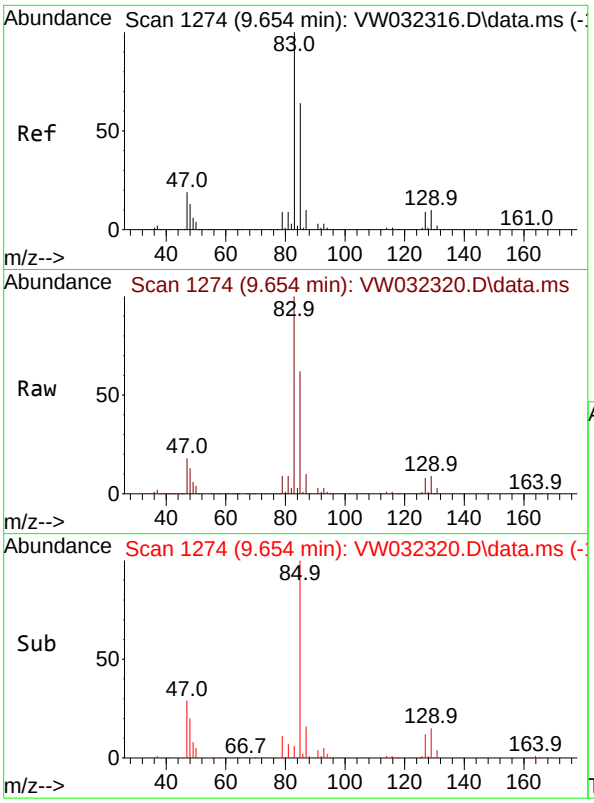


#46
Dibromomethane
Concen: 49.841 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 93 Resp: 118979

Ion	Ratio	Lower	Upper
93	100		
95	83.5	67.4	101.2
174	84.9	75.7	113.5





#47
Bromodichloromethane
Concen: 50.162 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

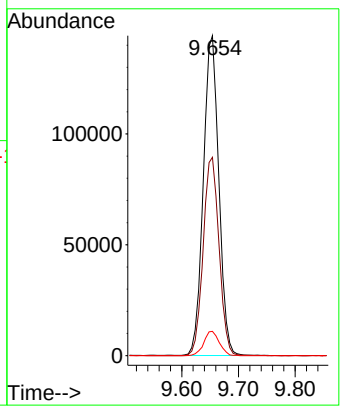
Tgt Ion: 83 Resp: 27388

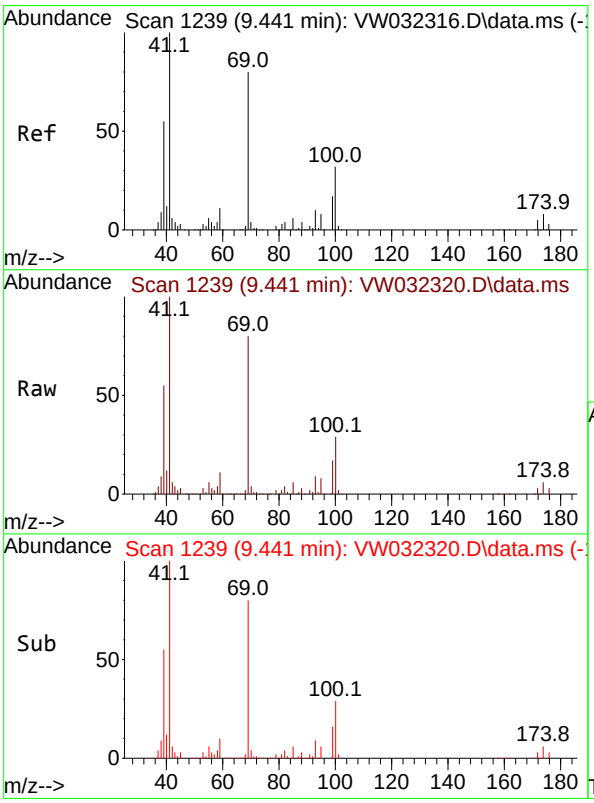
Ion	Ratio	Lower	Upper
83	100		
85	62.0	48.7	73.1
127	7.6	6.4	9.6

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

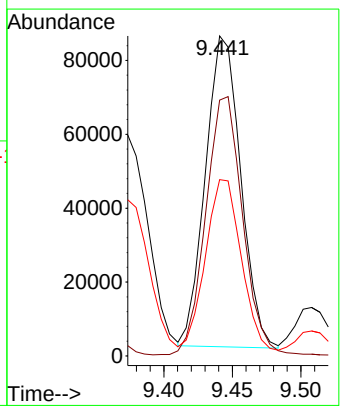


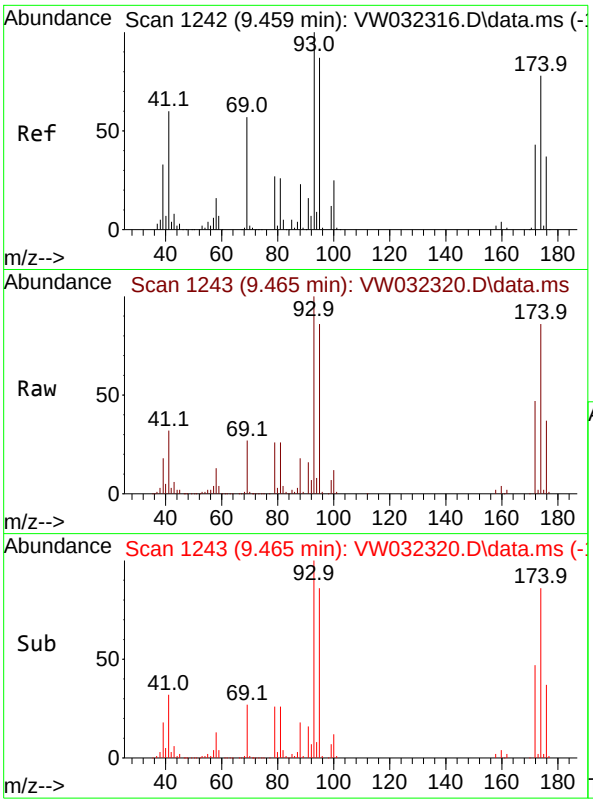


#48
Methyl methacrylate
Concen: 52.884 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 41 Resp: 150648

Ion	Ratio	Lower	Upper
41	100		
69	87.7	71.5	107.3
39	55.2	55.9	83.9#

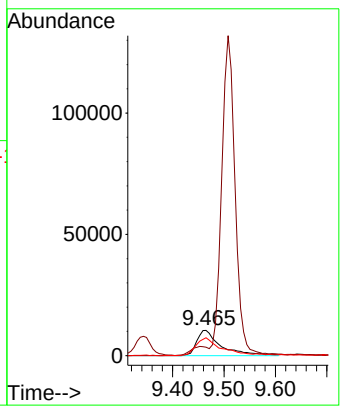




#49
1,4-Dioxane
Concen: 1058.229 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 88 Resp: 3452

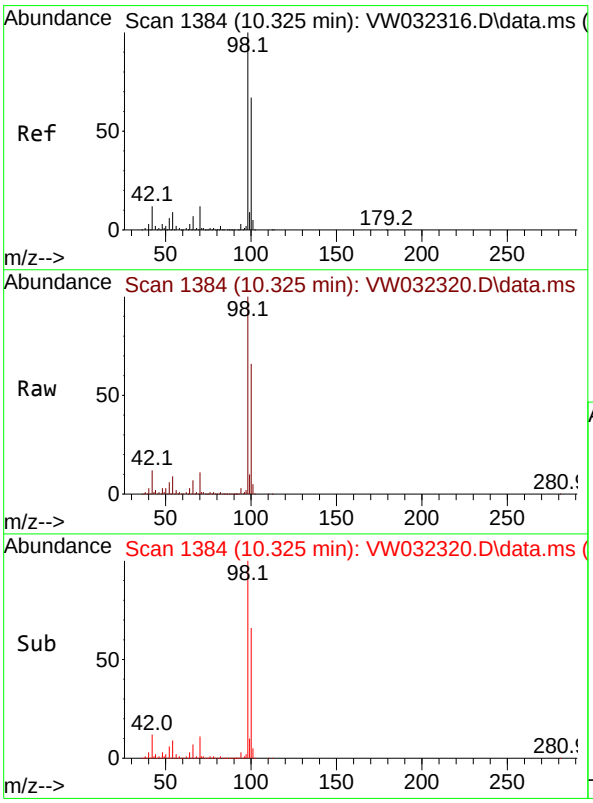
Ion	Ratio	Lower	Upper
88	100		
43	25.4	18.0	27.0
58	70.1	55.4	83.0



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

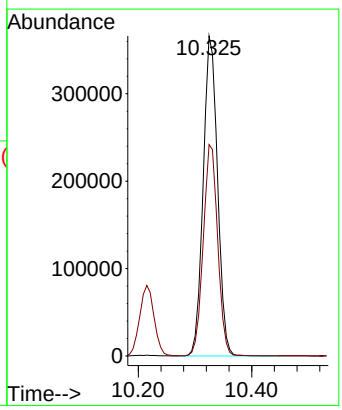
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

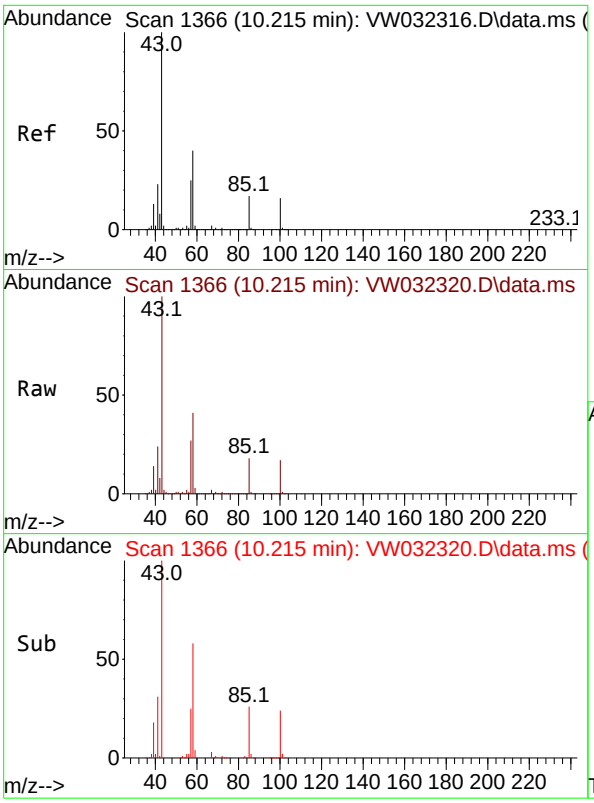


#50
Toluene-d8
Concen: 49.731 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 98 Resp: 645322

Ion	Ratio	Lower	Upper
98	100		
100	66.3	51.4	77.2

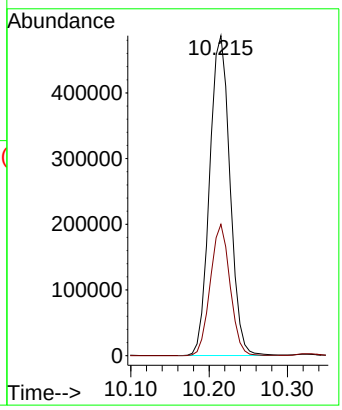




#51
4-Methyl-2-Pentanone
Concen: 258.790 ug/l
RT: 10.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 43 Resp: 87820

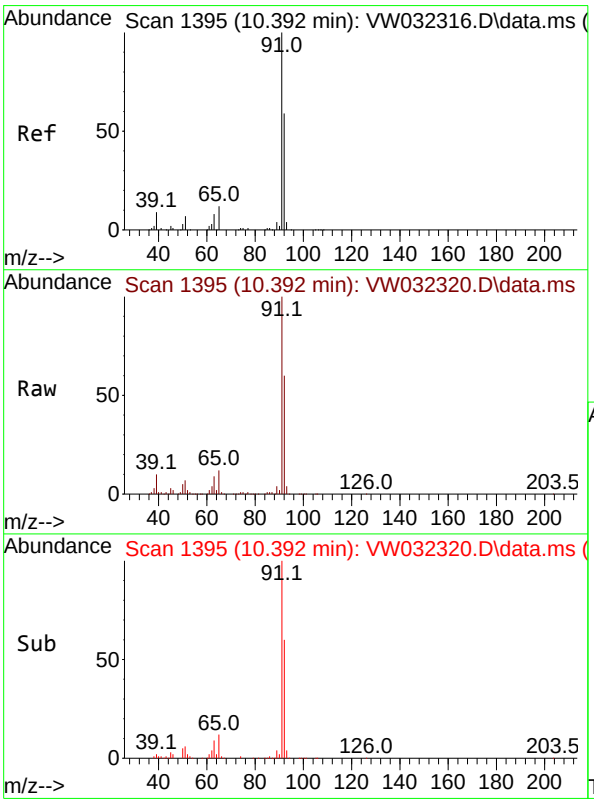
Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.0	48.0



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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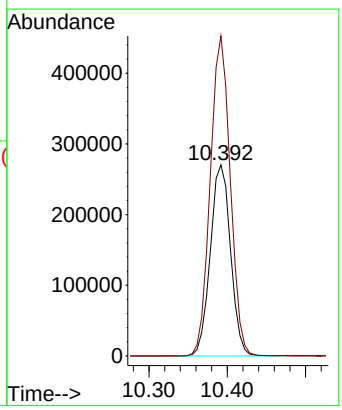
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

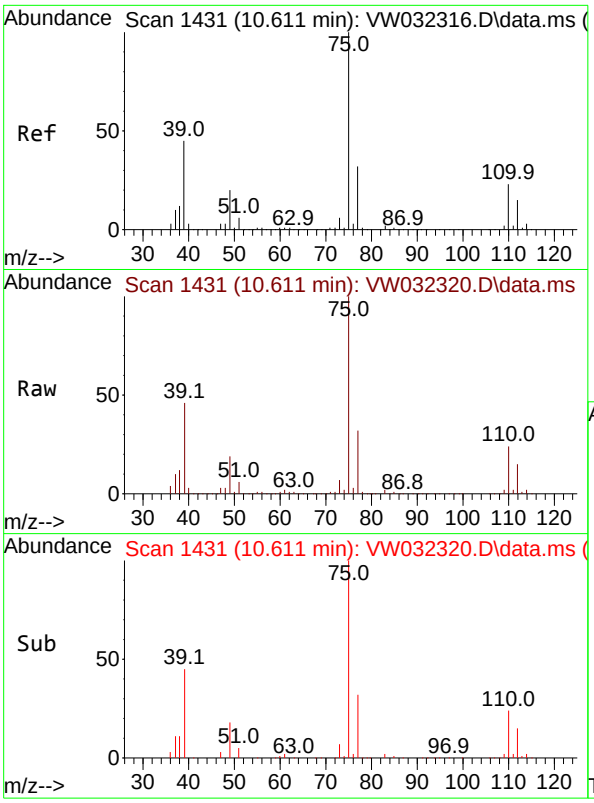


#52
Toluene
Concen: 50.061 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 92 Resp: 484871

Ion	Ratio	Lower	Upper
92	100		
91	165.7	137.5	206.3

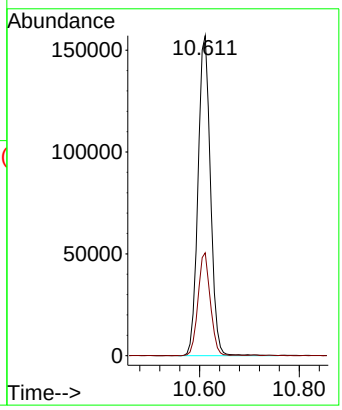




#53
t-1,3-Dichloropropene
Concen: 51.234 ug/l
RT: 10.611 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 75 Resp: 27139

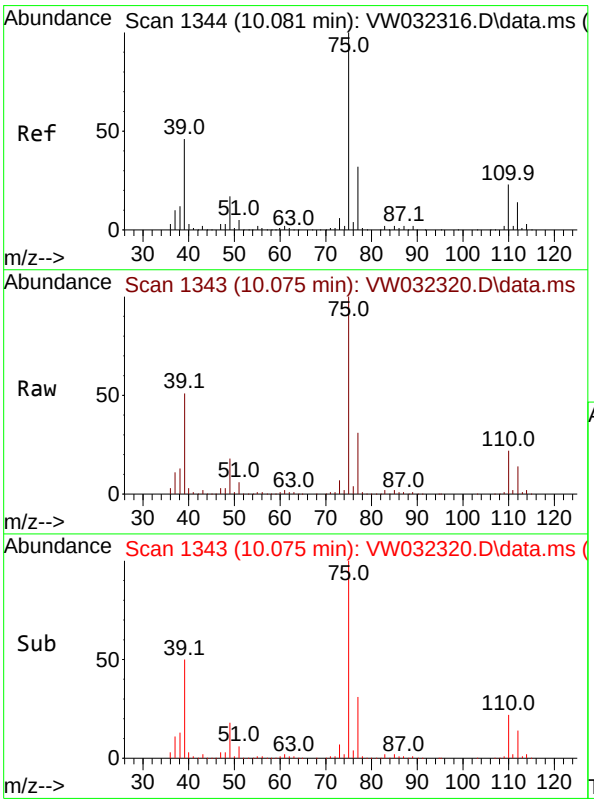
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

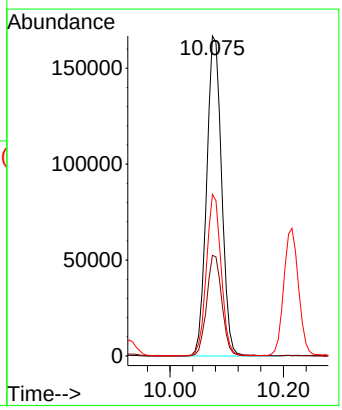
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

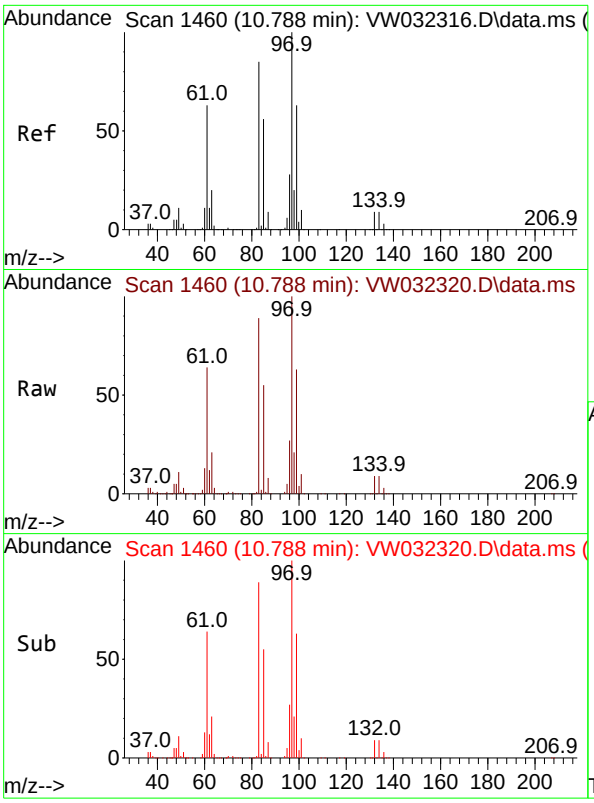


#54
cis-1,3-Dichloropropene
Concen: 50.209 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 75 Resp: 306358

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	50.4	43.2	64.8

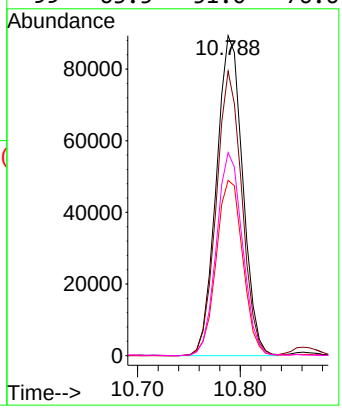




#55
1,1,2-Trichloroethane
Concen: 49.869 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 97 Resp: 15910

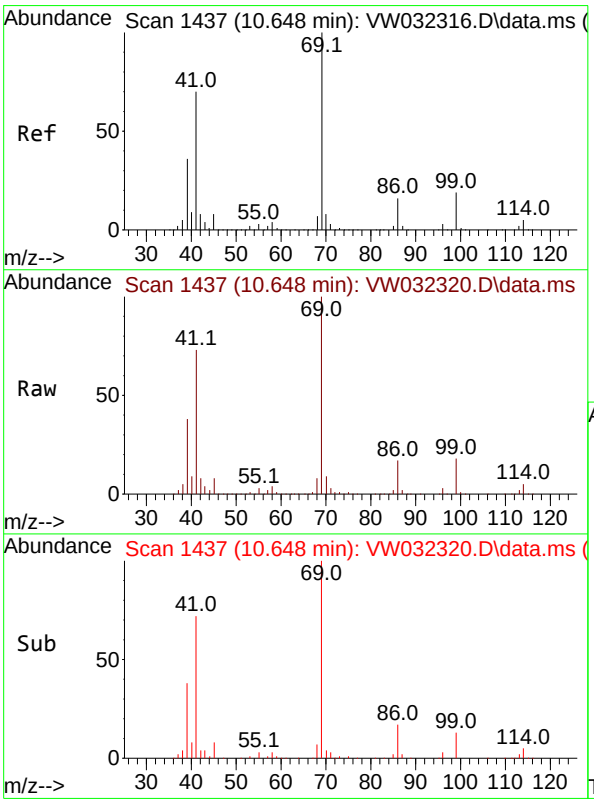
Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.0	106.6
85	54.8	42.8	64.2
99	63.5	51.0	76.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

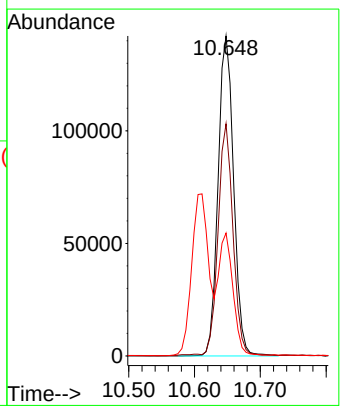
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

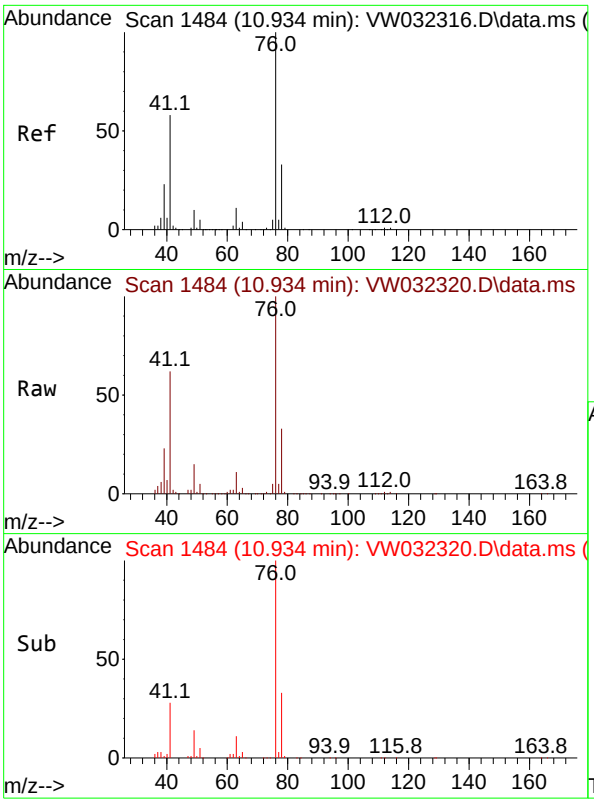


#56
Ethyl methacrylate
Concen: 52.367 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 69 Resp: 233853

Ion	Ratio	Lower	Upper
69	100		
41	70.4	53.2	79.8
39	35.0	32.9	49.3

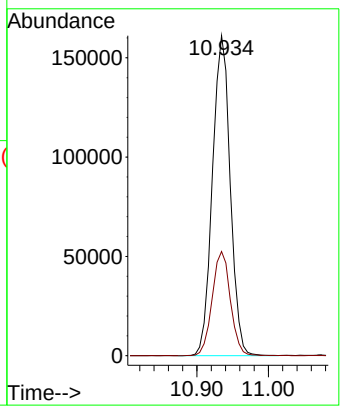




#57
1,3-Dichloropropane
Concen: 49.394 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 76 Resp: 27833

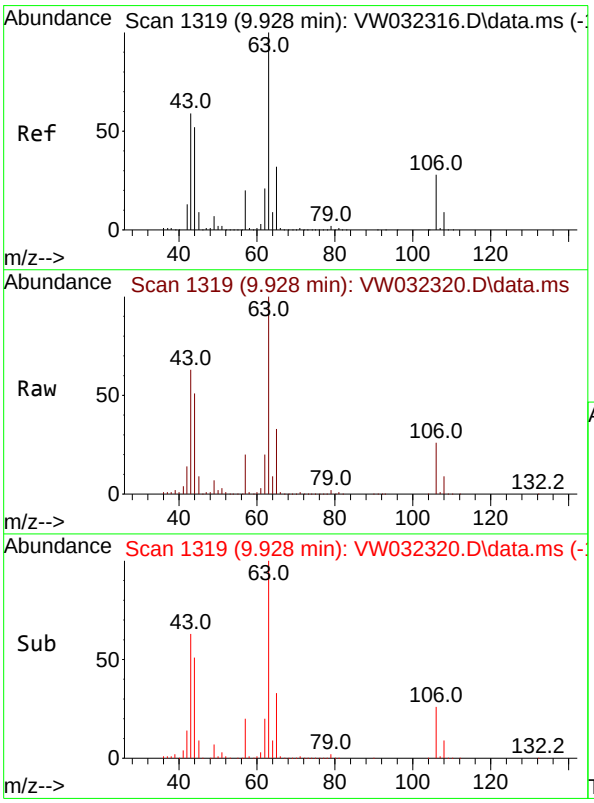
Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.2	39.4



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

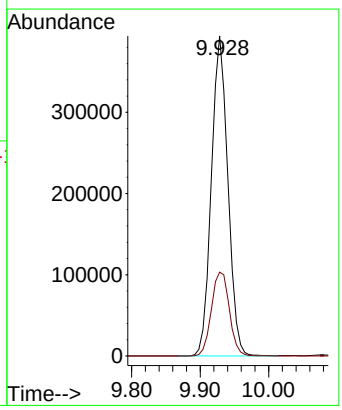
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

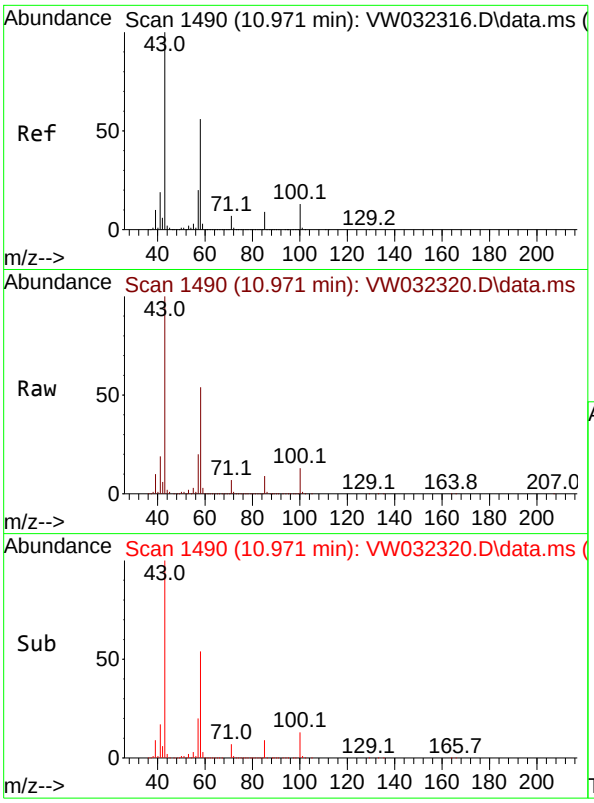


#58
2-Chloroethyl Vinyl ether
Concen: 277.181 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 63 Resp: 658757

Ion	Ratio	Lower	Upper
63	100		
106	28.4	24.3	36.5





#59
2-Hexanone
Concen: 262.215 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

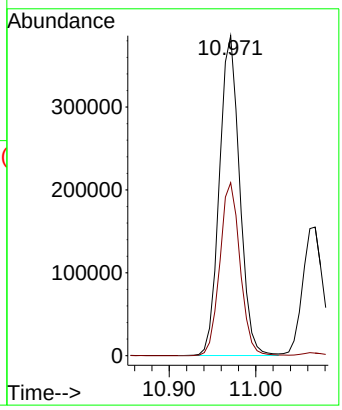
Tgt Ion: 43 Resp: 62758

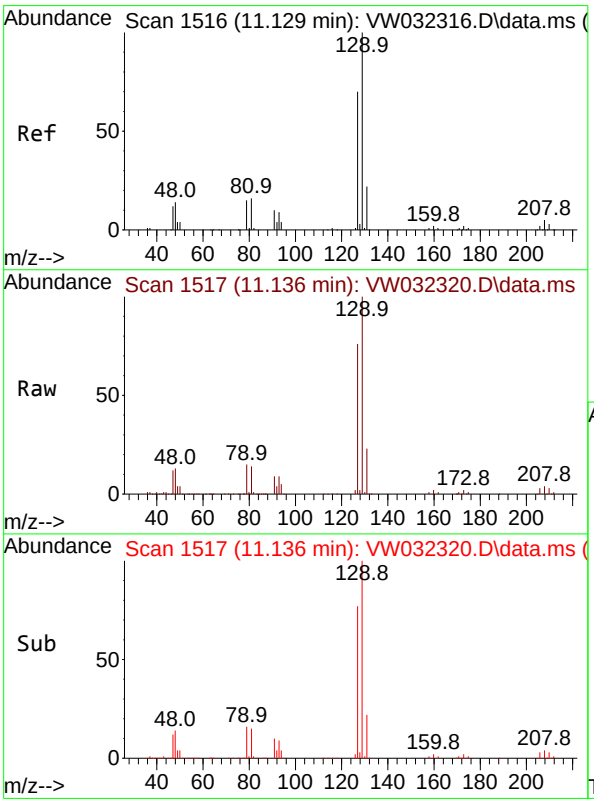
Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.5	82.4

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

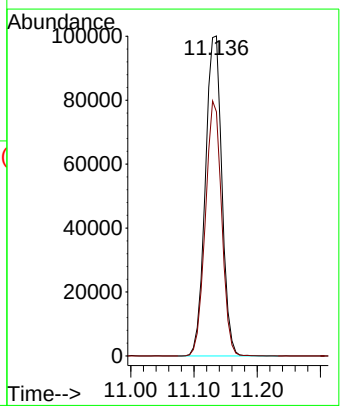


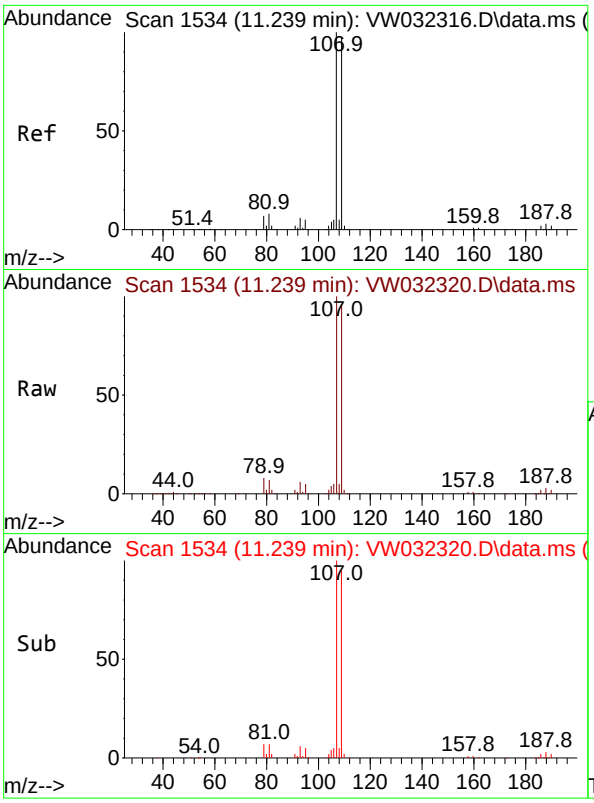


#60
Dibromochloromethane
Concen: 50.187 ug/l
RT: 11.136 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:129 Resp: 181813

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.1	114.5





#61
1,2-Dibromoethane
Concen: 49.732 ug/l
RT: 11.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

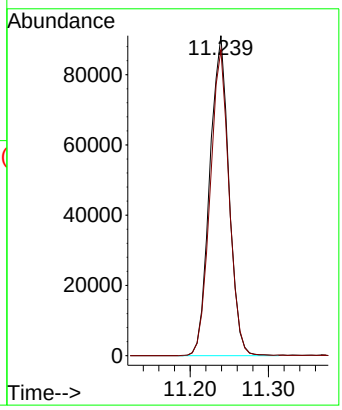
Tgt Ion:107 Resp: 15471

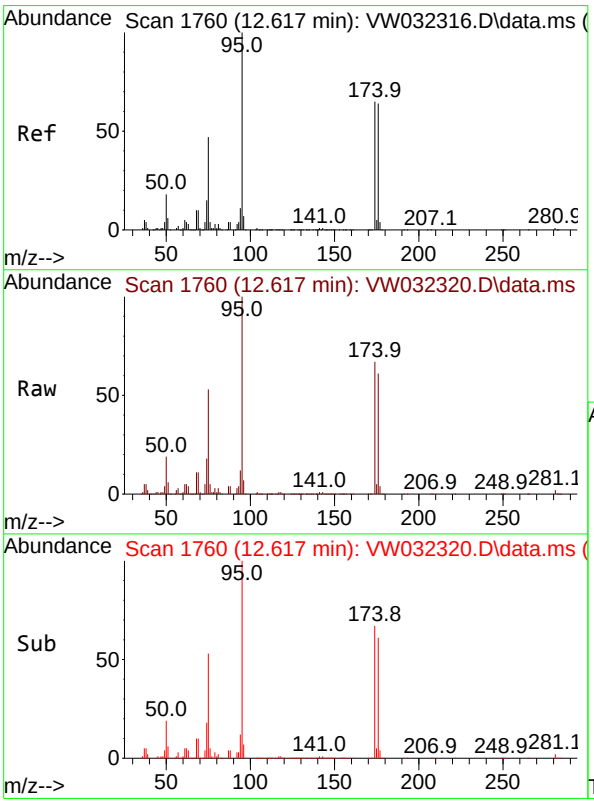
Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.5	111.7

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

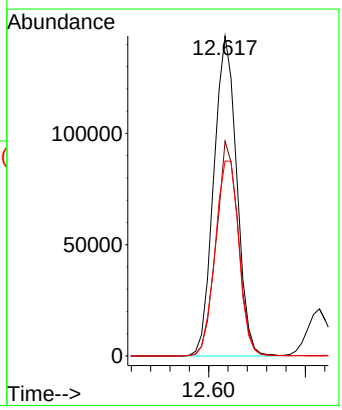


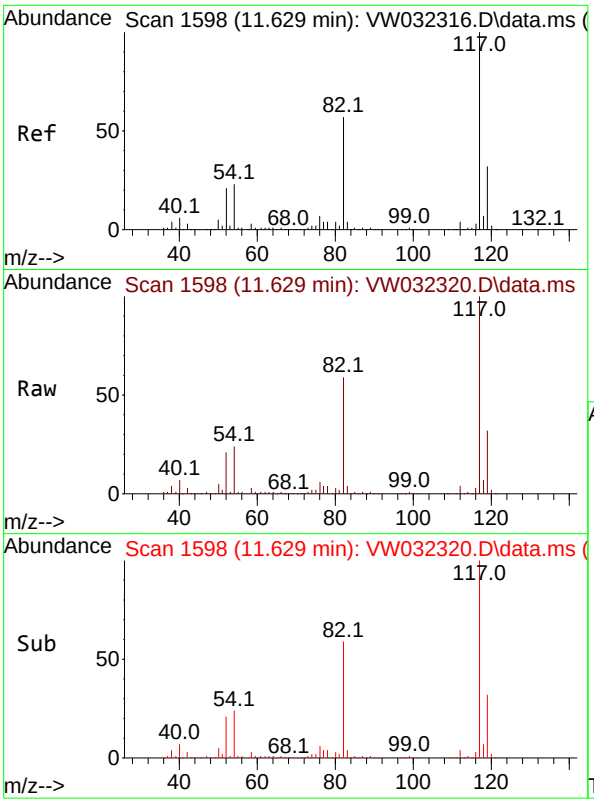


#62
4-Bromofluorobenzene
Concen: 48.218 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 95 Resp: 236491

Ion	Ratio	Lower	Upper
95	100		
174	64.6	0.0	145.6
176	63.3	0.0	140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

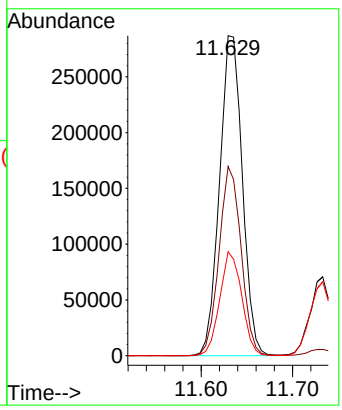
Tgt Ion:117 Resp: 49821

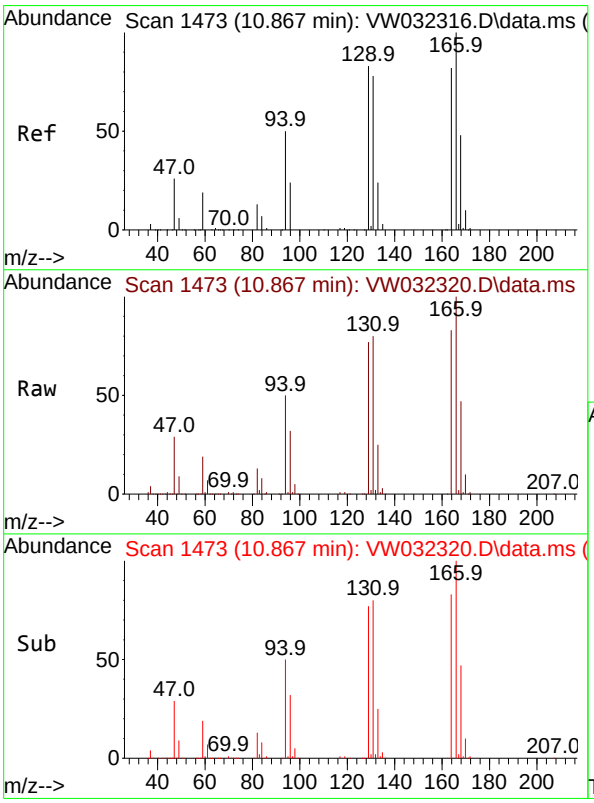
Ion	Ratio	Lower	Upper
117	100		
82	59.1	42.7	64.1
119	32.5	25.2	37.8

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

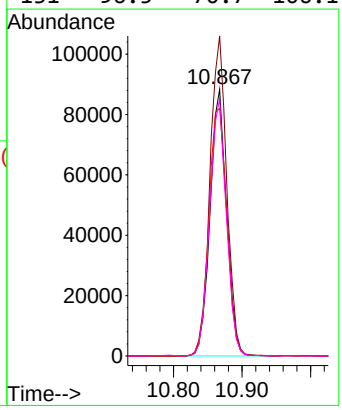


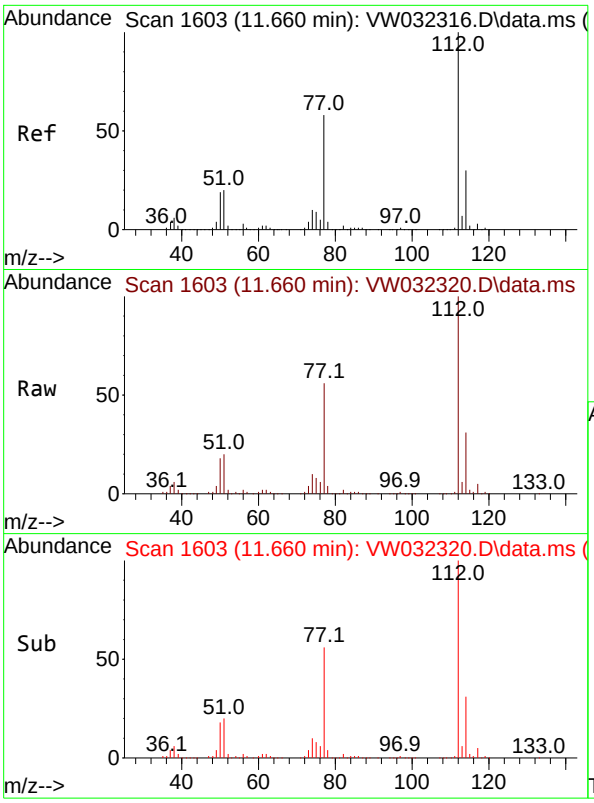


#64
Tetrachloroethene
Concen: 49.611 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:164 Resp: 147899

Ion	Ratio	Lower	Upper
164	100		
166	120.0	97.5	146.3
129	92.9	71.2	106.8
131	96.5	70.7	106.1

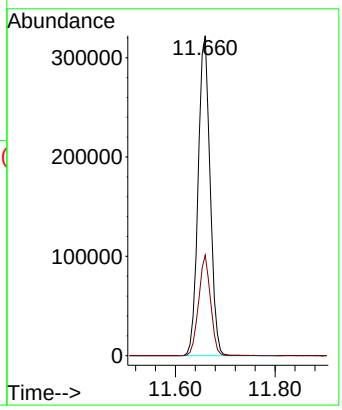




#65
Chlorobenzene
Concen: 48.862 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:112 Resp: 53561

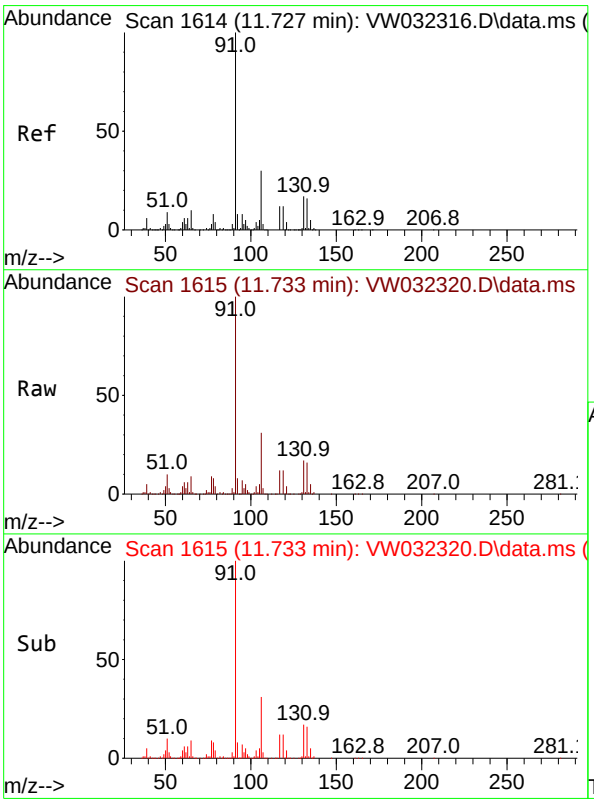
Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.0	39.0



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

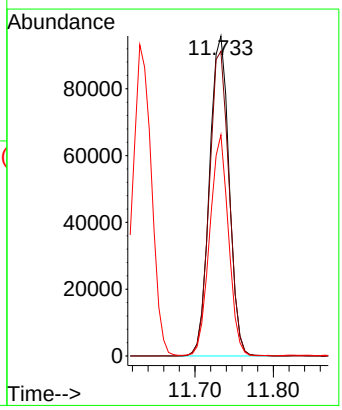
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

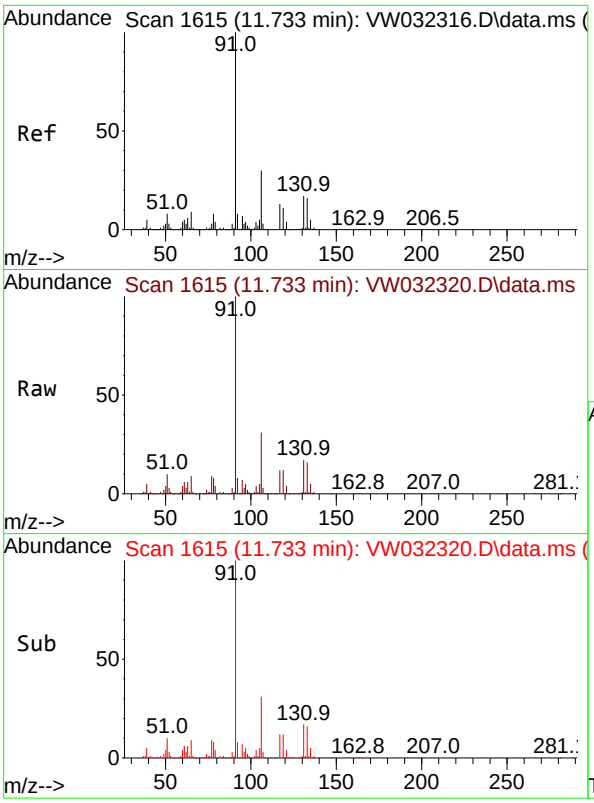


#66
1,1,1,2-Tetrachloroethane
Concen: 48.644 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:131 Resp: 166082

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.7	143.1
119	66.2	32.8	98.3





#67
Ethyl Benzene
Concen: 50.513 ug/l
RT: 11.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

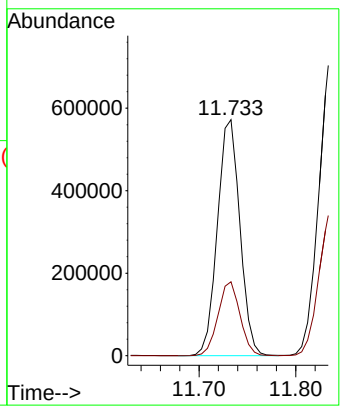
Tgt Ion: 91 Resp: 92298

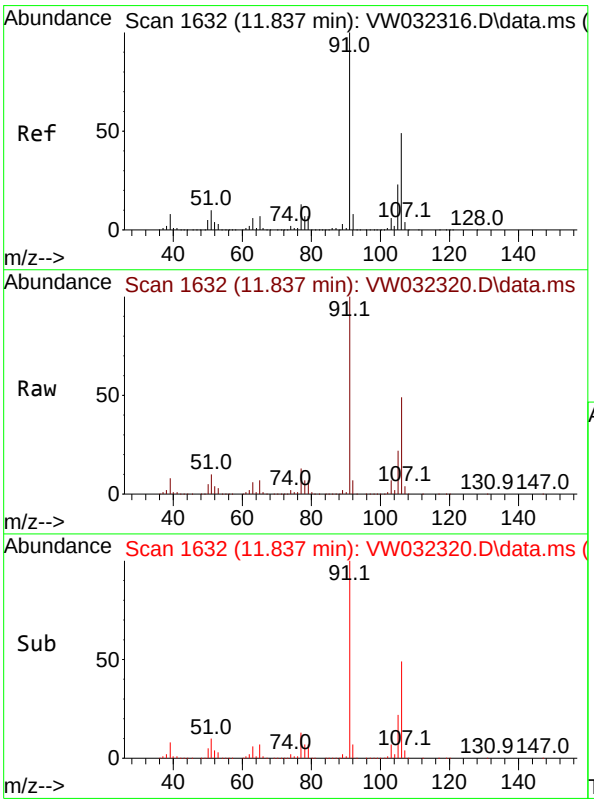
Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.3	37.9

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

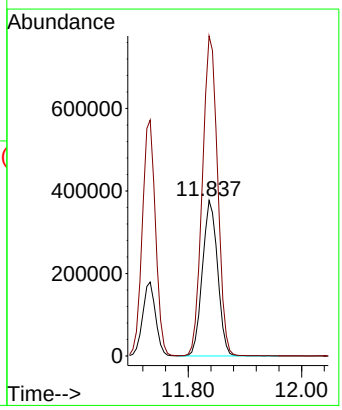


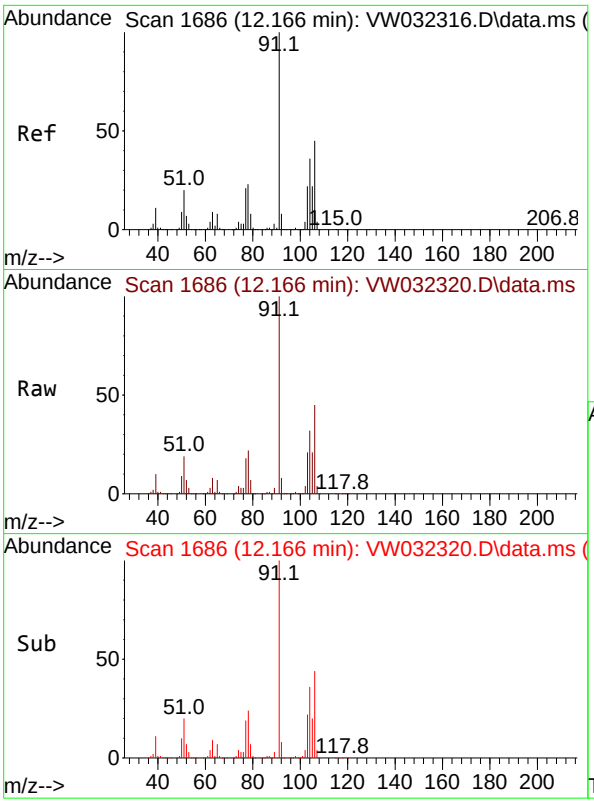


#68
m/p-Xylenes
Concen: 99.276 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:106 Resp: 699490

Ion	Ratio	Lower	Upper
106	100		
91	207.4	164.2	246.2





#69
o-Xylene
Concen: 50.523 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

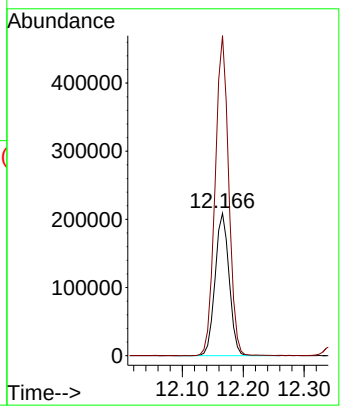
Tgt Ion:106 Resp: 33290

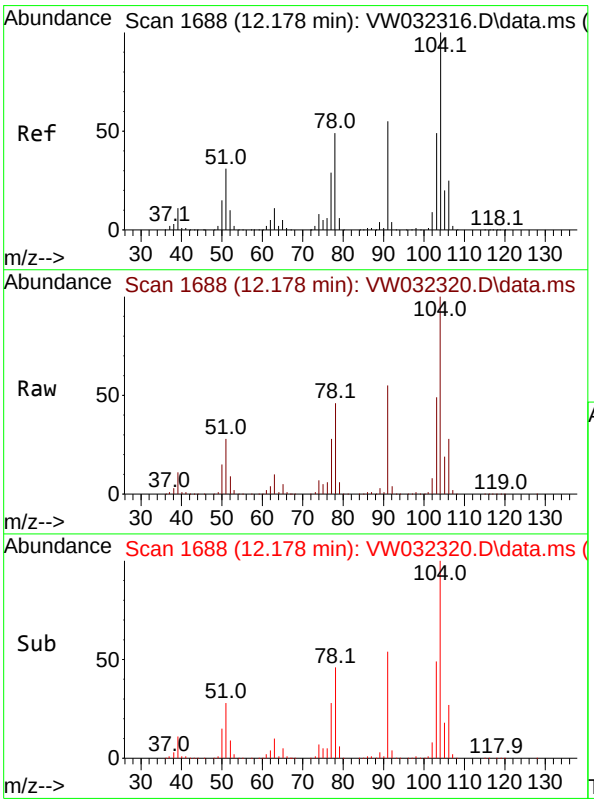
Ion	Ratio	Lower	Upper
106	100		
91	218.0	108.7	326.3

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

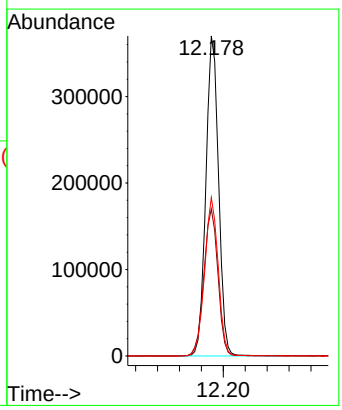


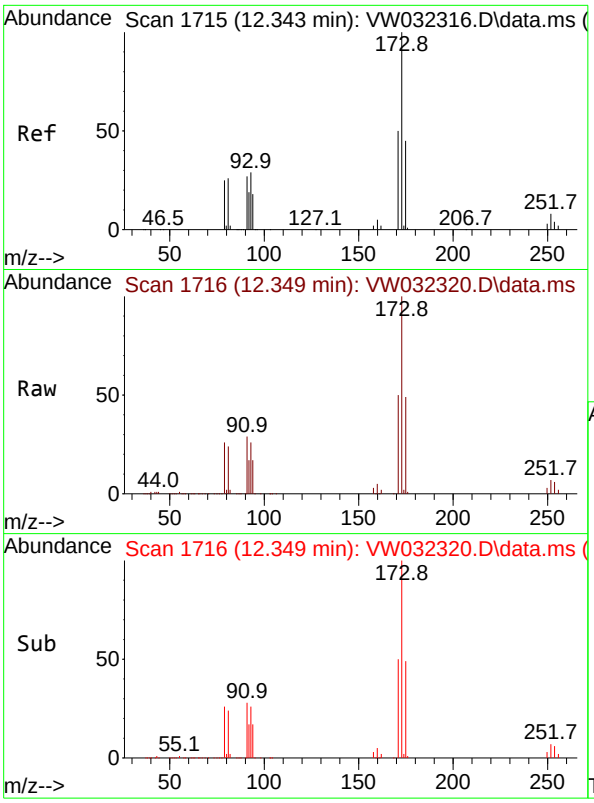


#70
Styrene
Concen: 51.667 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:104 Resp: 594393

Ion	Ratio	Lower	Upper
104	100		
78	50.7	41.6	62.4
103	52.9	44.8	67.2

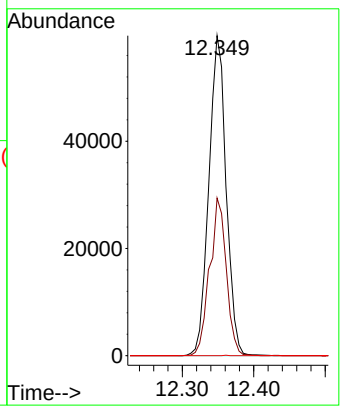




#71
Bromoform
Concen: 51.207 ug/l
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:173 Resp: 10021

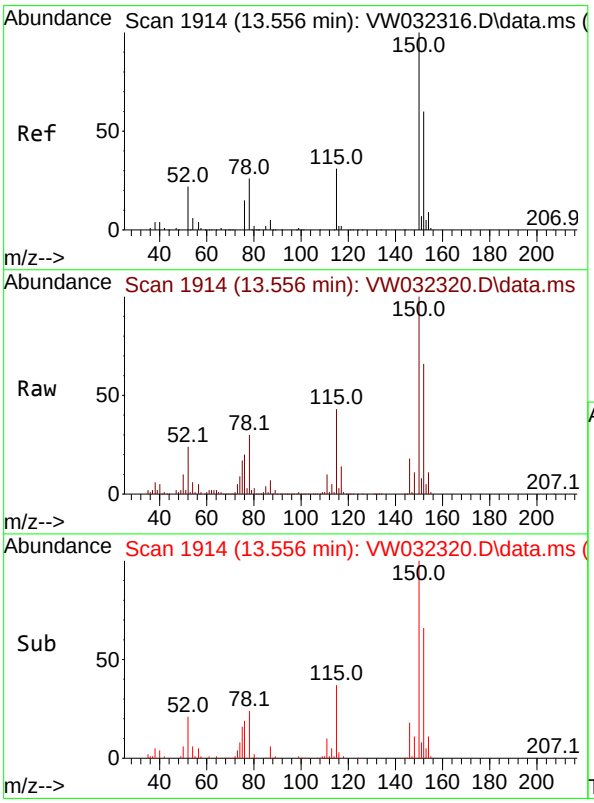
Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.9	74.7
254	0.0	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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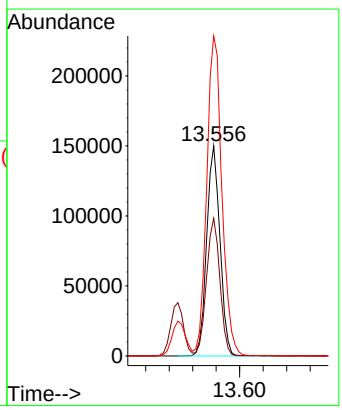
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

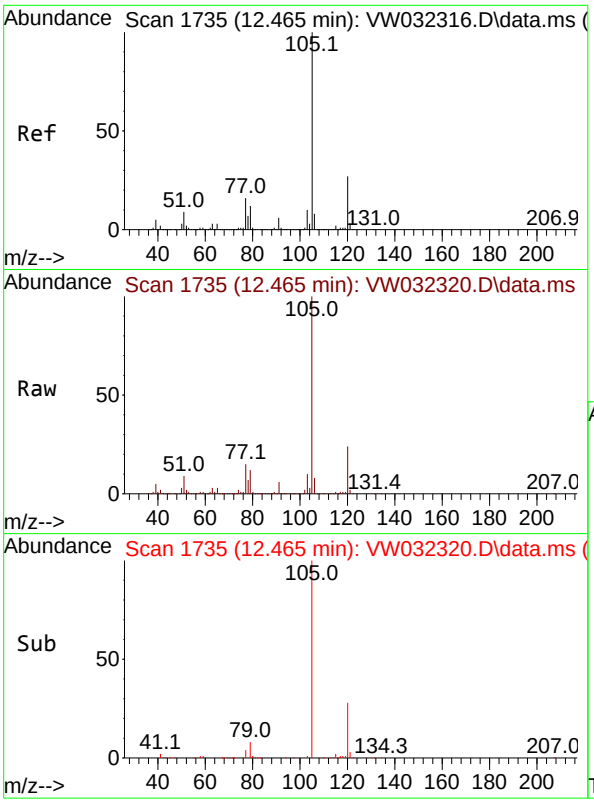


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:152 Resp: 235528

Ion	Ratio	Lower	Upper
152	100		
115	66.0	31.8	95.4
150	173.3	0.0	343.0





#73
Isopropylbenzene
Concen: 52.076 ug/l
RT: 12.465 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

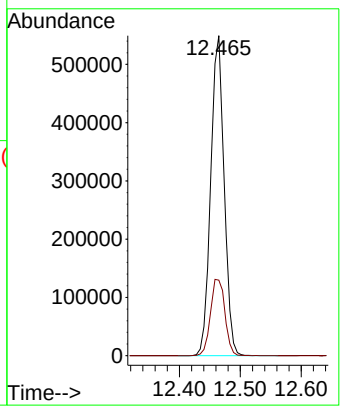
Tgt Ion:105 Resp: 83913

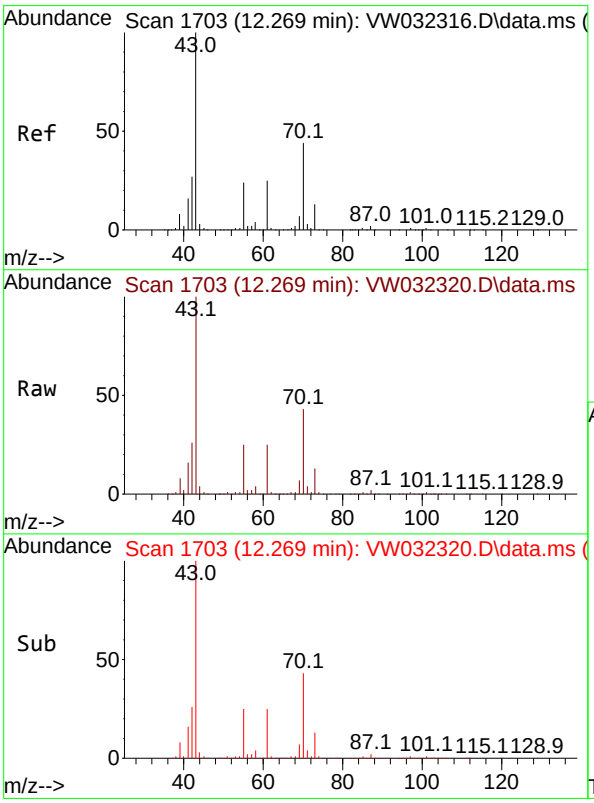
Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.0	38.9

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

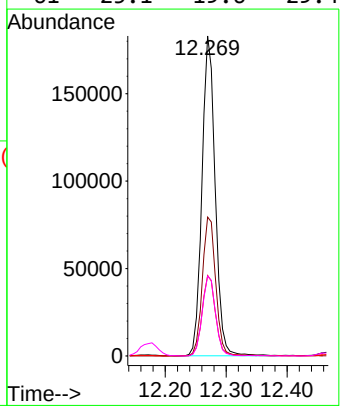


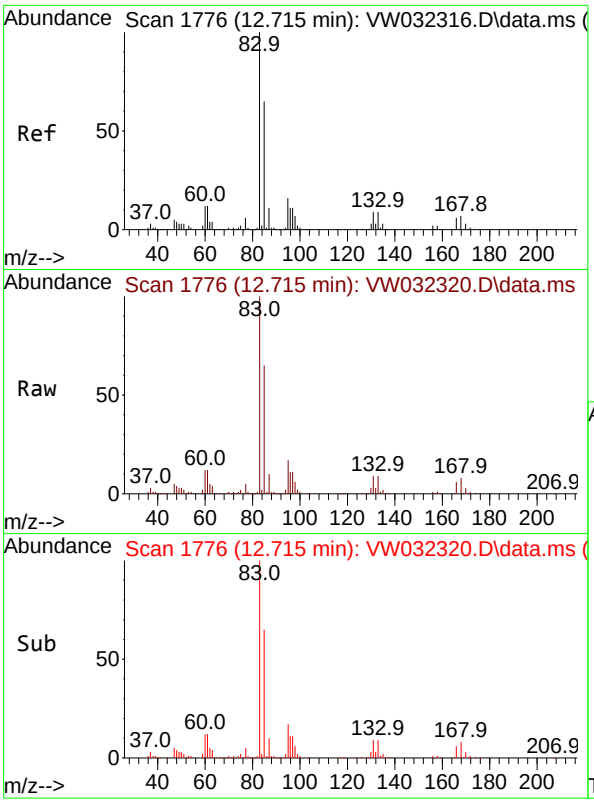


#74
N-amyl acetate
Concen: 53.697 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 43 Resp: 276033

Ion	Ratio	Lower	Upper
43	100		
70	44.2	35.3	52.9
55	25.8	19.9	29.9
61	25.1	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 50.822 ug/l
RT: 12.715 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

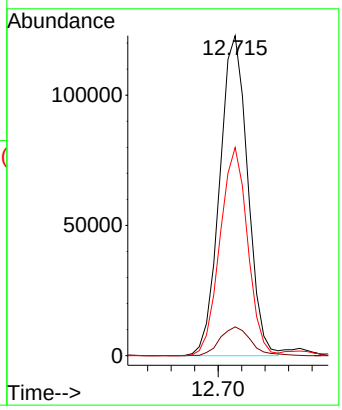
Tgt Ion: 83 Resp: 20333

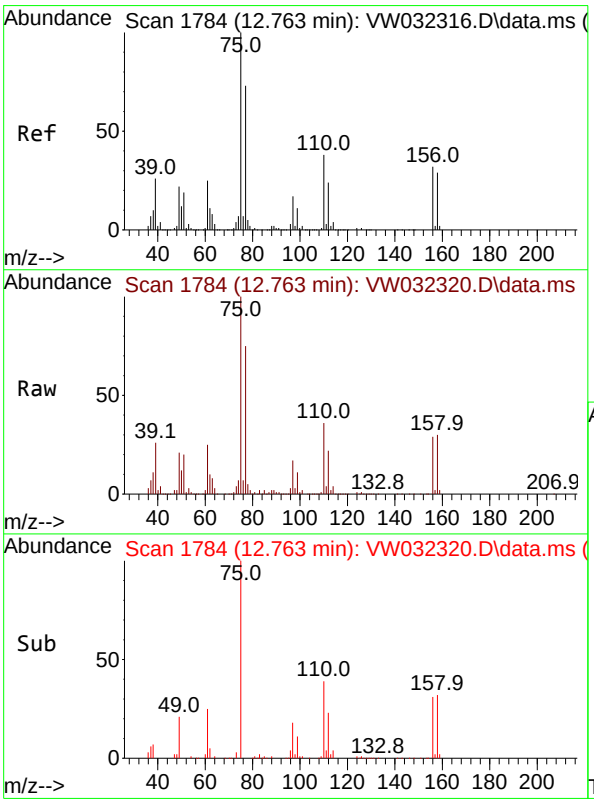
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.4
85	64.1	32.2	96.6

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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Supervised By :Semsettin Yesilyurt 10/03/2025

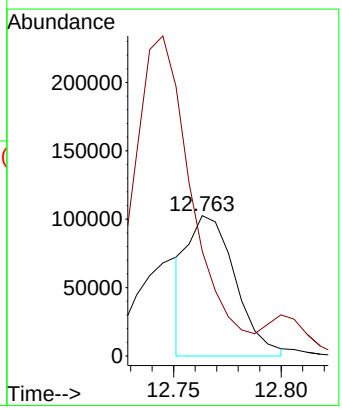


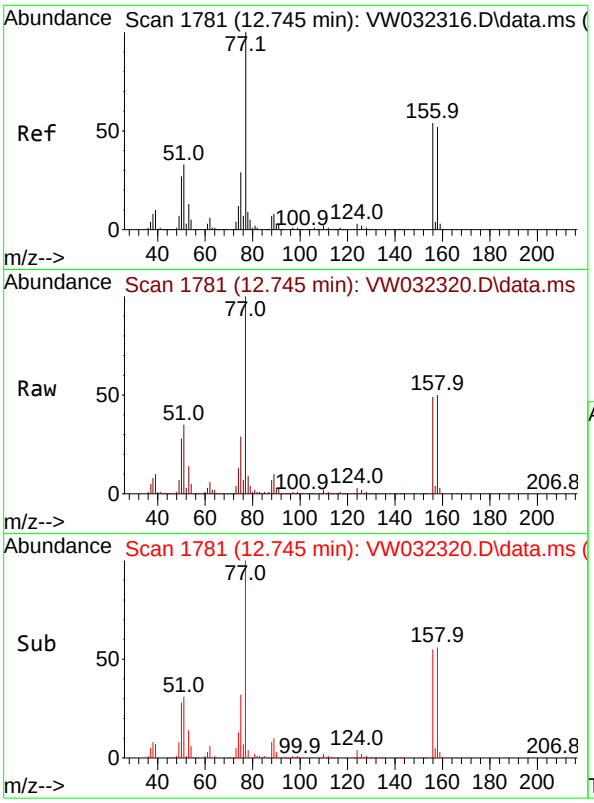


#76
1,2,3-Trichloropropane
Concen: 50.813 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 75 Resp: 157491

Ion	Ratio	Lower	Upper
75	100		
77	282.7	141.7	425.1





#77
Bromobenzene
Concen: 50.659 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

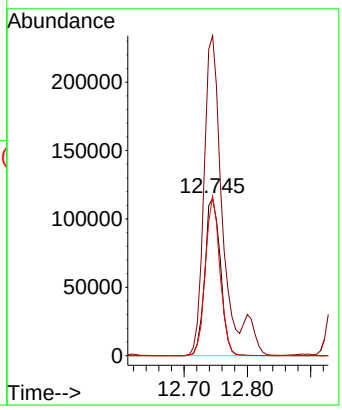
Tgt Ion:156 Resp: 19677

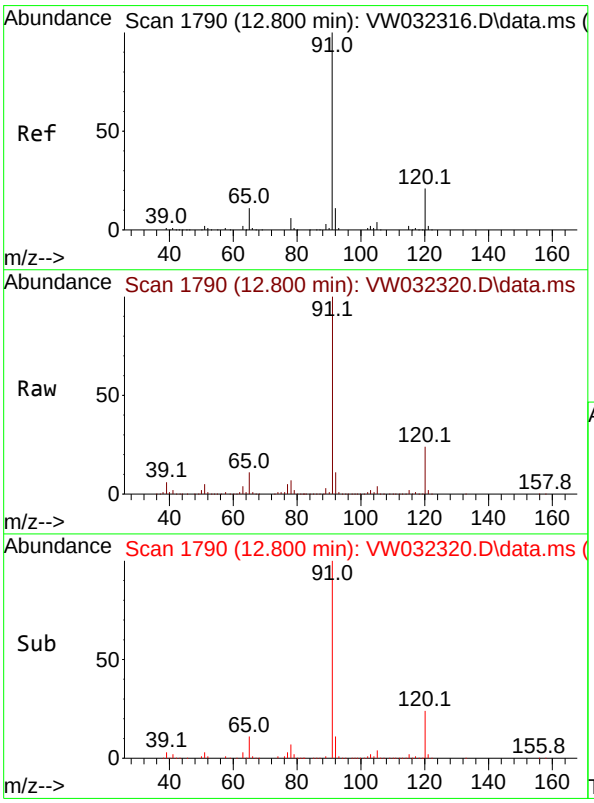
Ion	Ratio	Lower	Upper
156	100		
77	226.3	98.6	295.7
158	95.6	48.4	145.0

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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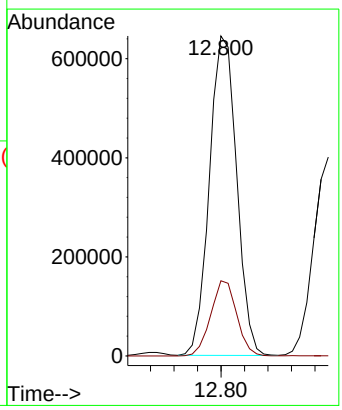


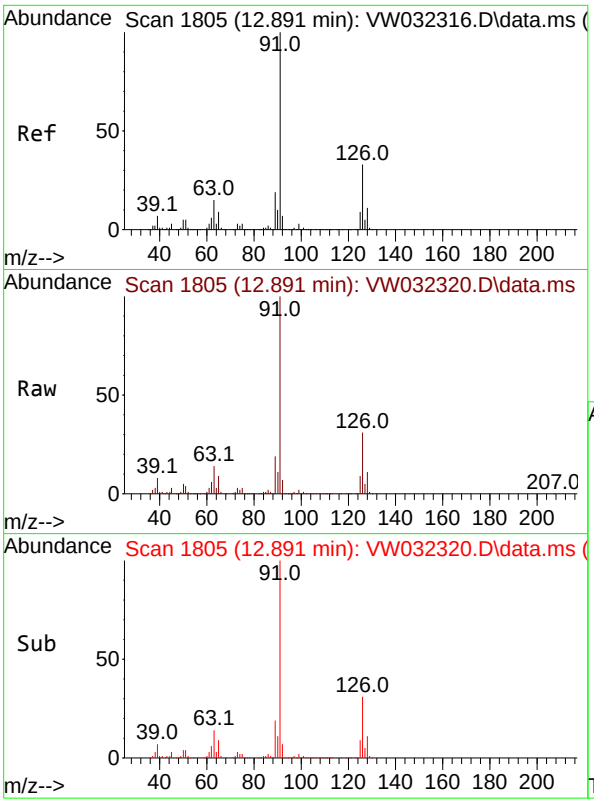


#78
n-propylbenzene
Concen: 51.657 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 91 Resp: 1039770

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.8	35.4

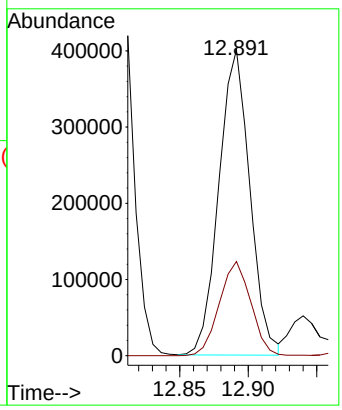




#79
2-Chlorotoluene
Concen: 51.287 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 91 Resp: 63119

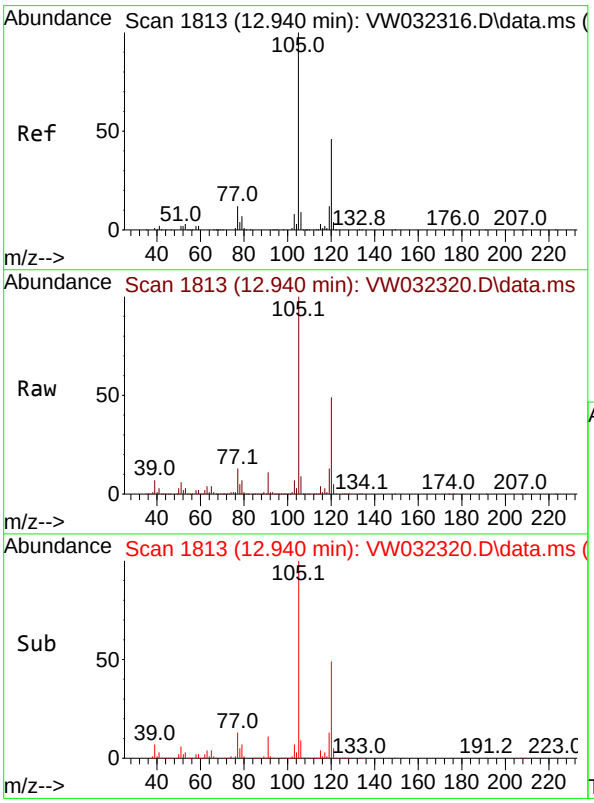
Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.6	49.7



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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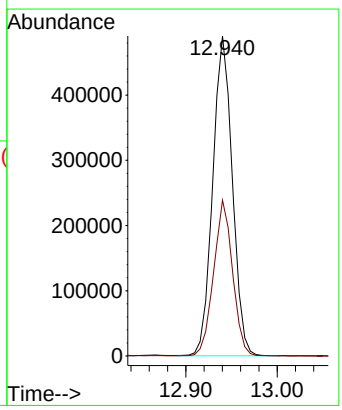
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

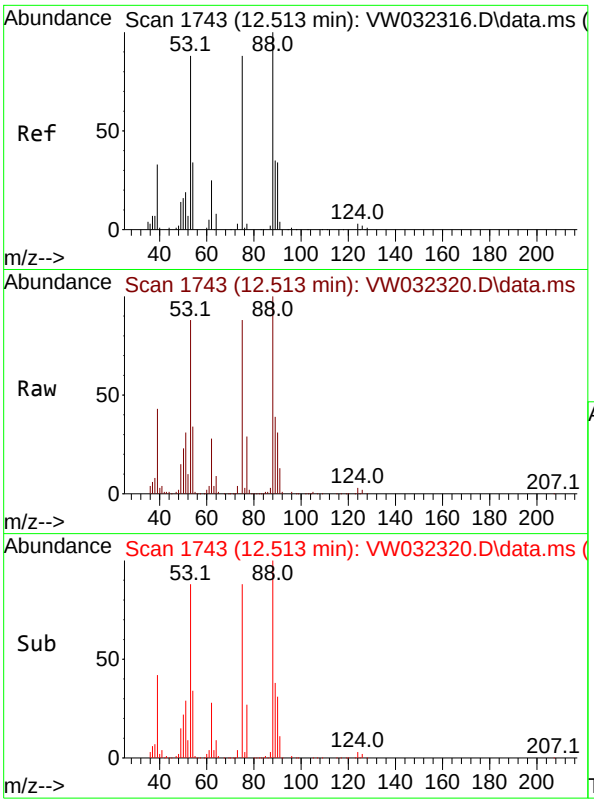


#80
1,3,5-Trimethylbenzene
Concen: 52.365 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:105 Resp: 729628

Ion	Ratio	Lower	Upper
105	100		
120	47.2	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 54.360 ug/l
RT: 12.513 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

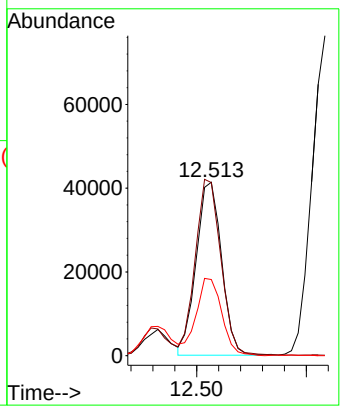
Tgt Ion: 75 Resp: 6650

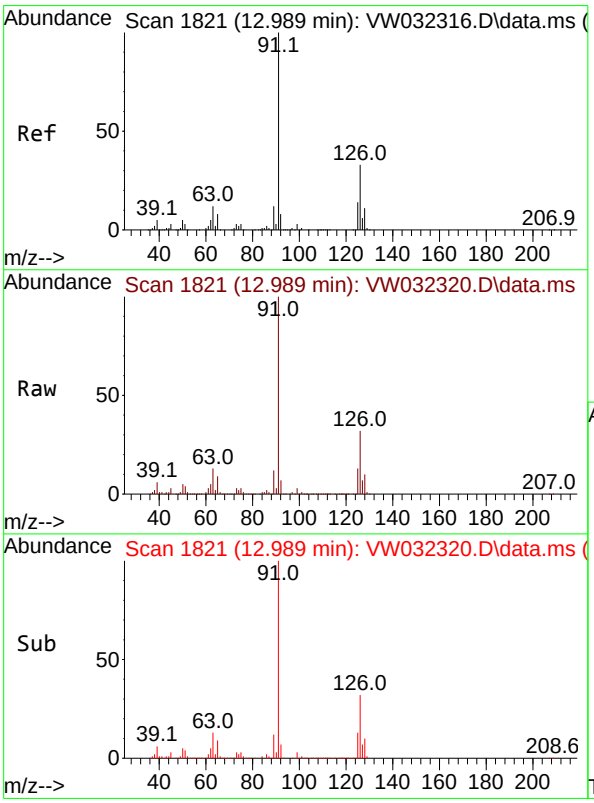
Ion	Ratio	Lower	Upper
75	100		
53	102.7	91.0	136.6
89	45.6	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

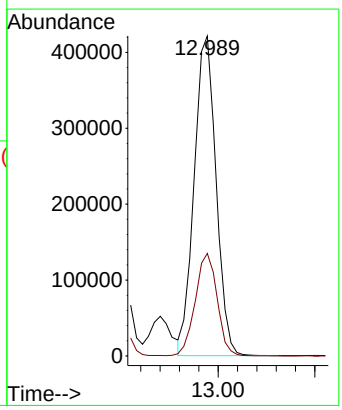


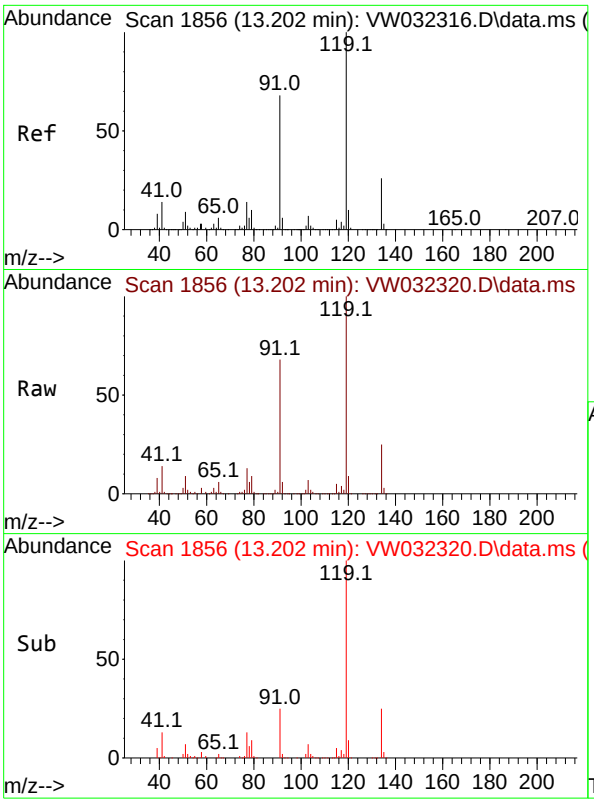


#82
4-Chlorotoluene
Concen: 50.734 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 91 Resp: 663842

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.2





#83
tert-Butylbenzene
Concen: 53.510 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

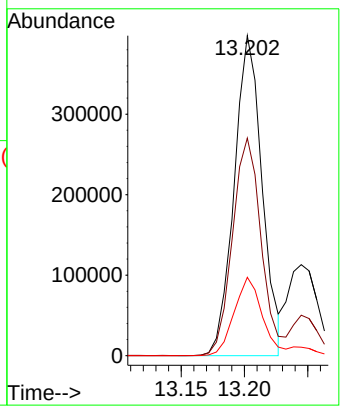
Tgt Ion:119 Resp: 61174

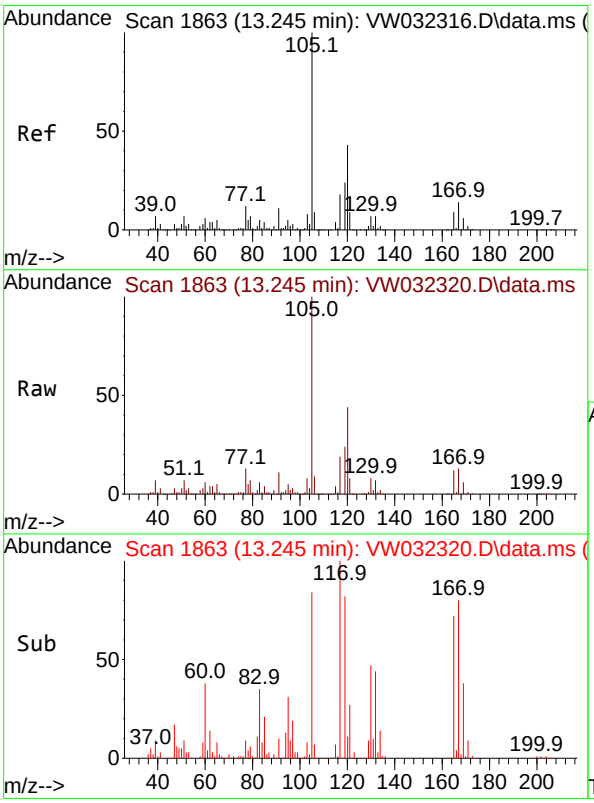
Ion	Ratio	Lower	Upper
119	100		
91	70.3	33.8	101.3
134	24.6	12.5	37.5

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

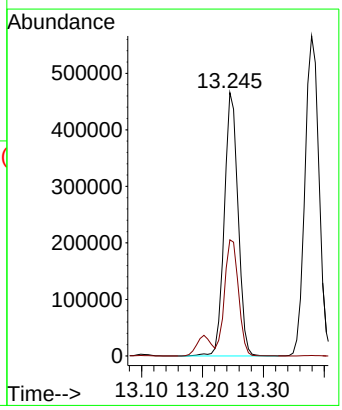


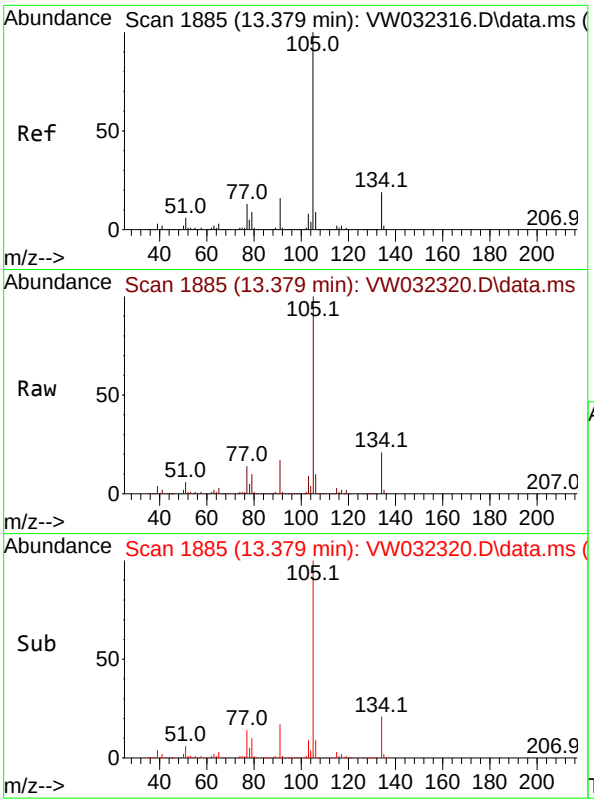


#84
1,2,4-Trimethylbenzene
Concen: 51.522 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:105 Resp: 729966

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.3





#85
sec-Butylbenzene
Concen: 51.774 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

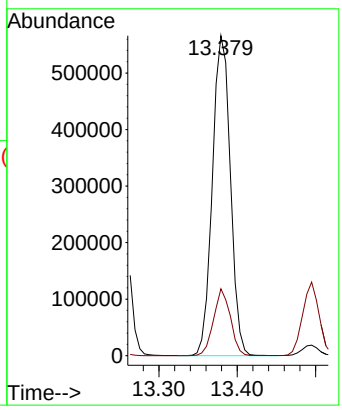
Tgt Ion:105 Resp: 90453

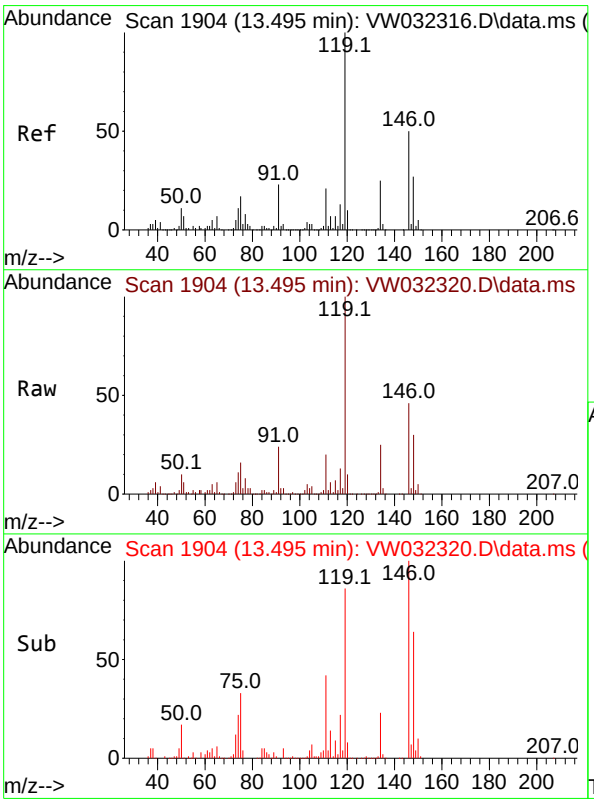
Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.1	30.1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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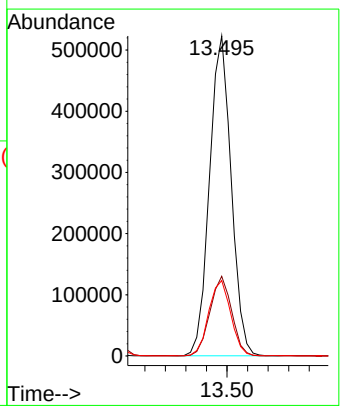


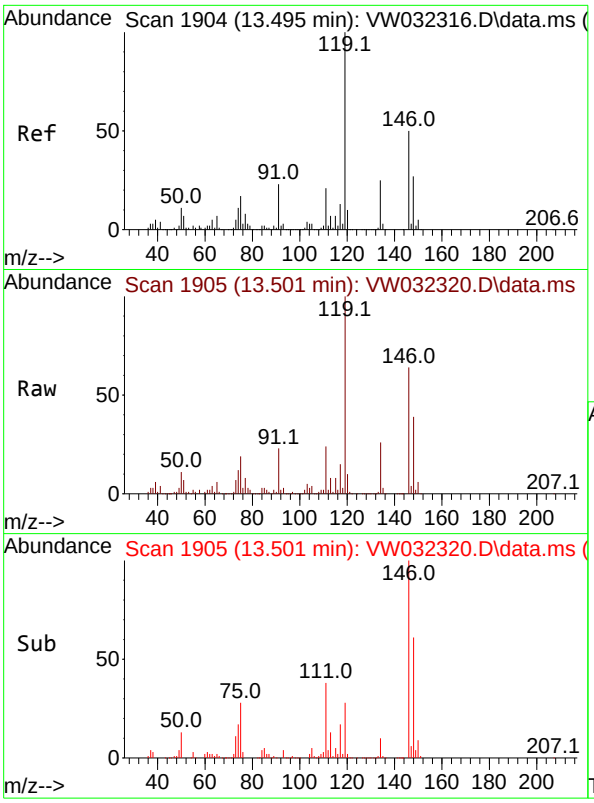


#86
p-Isopropyltoluene
Concen: 52.697 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:119 Resp: 763912

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.6	37.6
91	24.0	12.4	37.0

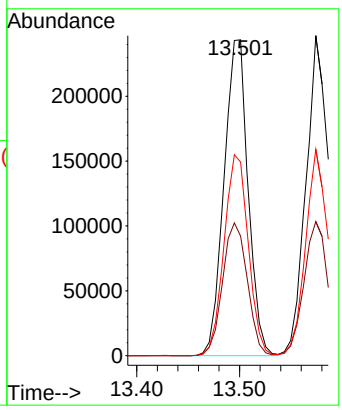




#87
1,3-Dichlorobenzene
Concen: 50.518 ug/l
RT: 13.501 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:146 Resp: 39734

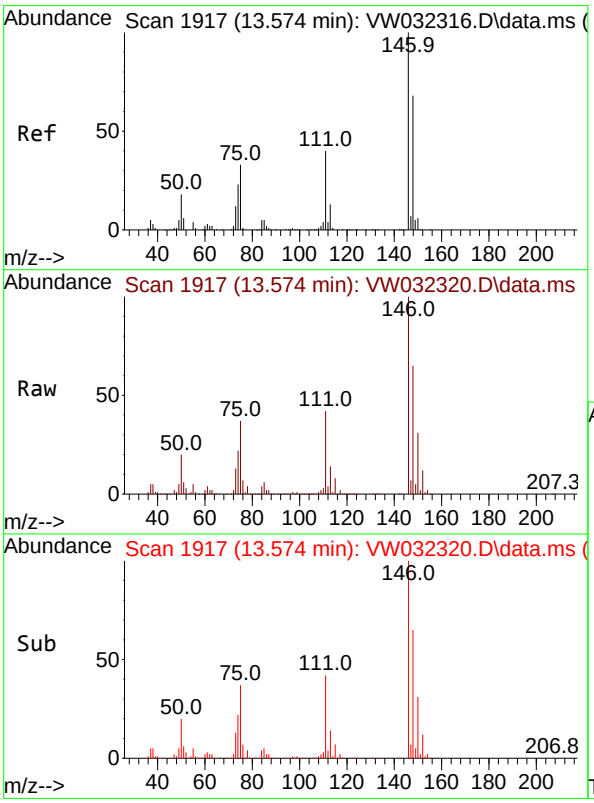
Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.6	61.9
148	64.0	30.6	92.0



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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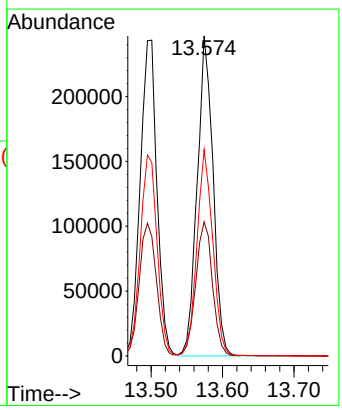
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

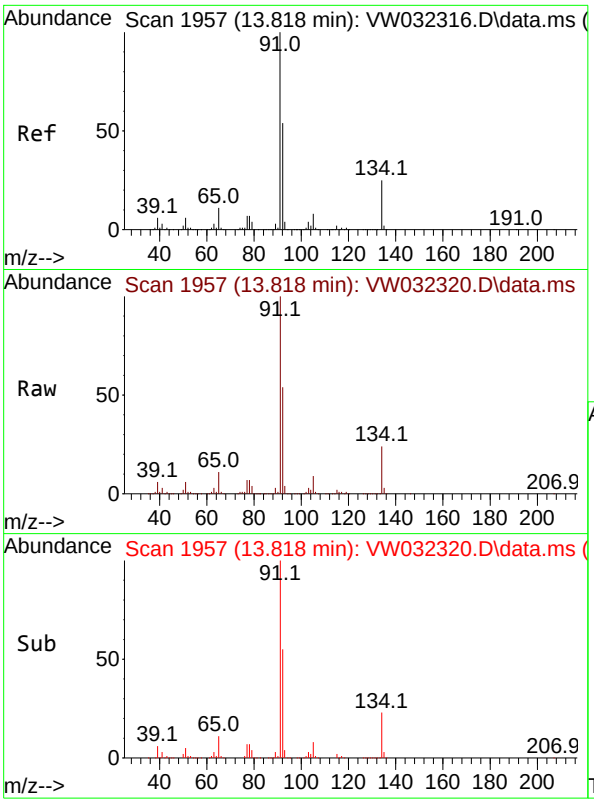


#88
1,4-Dichlorobenzene
Concen: 48.372 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:146 Resp: 380433

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.3	63.7
148	64.2	33.4	100.1

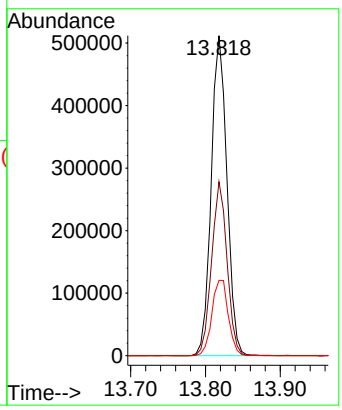




#89
n-Butylbenzene
Concen: 52.880 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 91 Resp: 74845

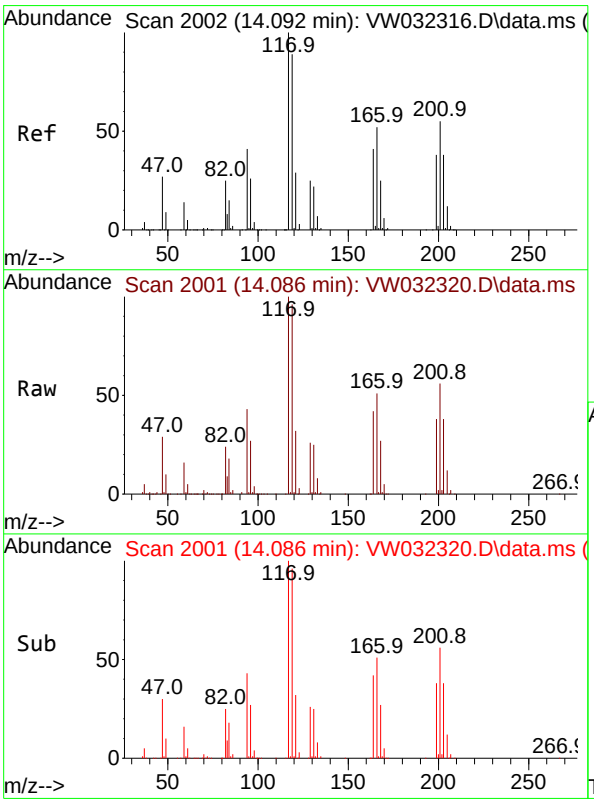
Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.0	81.0
134	24.8	13.1	39.3



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
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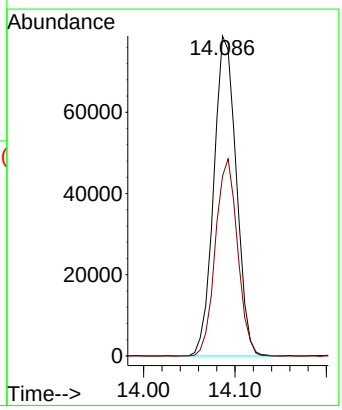
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

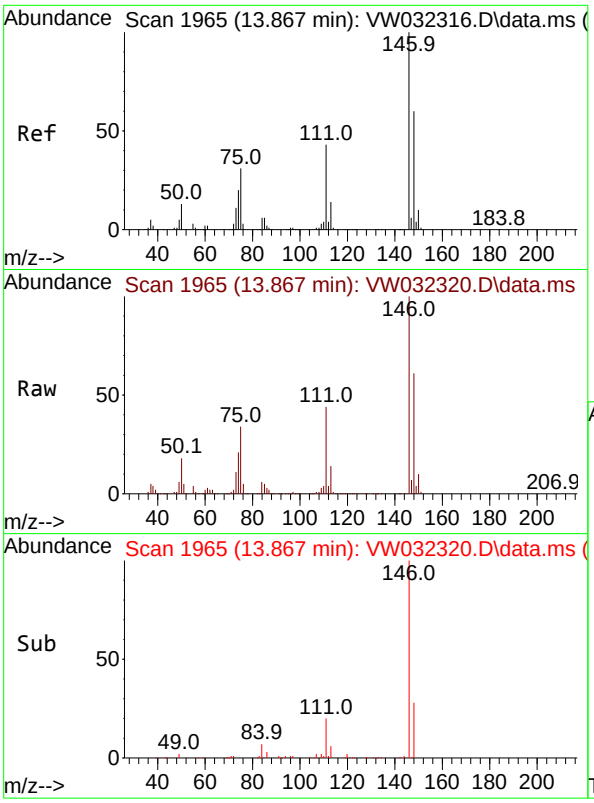


#90
Hexachloroethane
Concen: 51.903 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:117 Resp: 134862

Ion	Ratio	Lower	Upper
117	100		
201	60.5	32.8	98.4

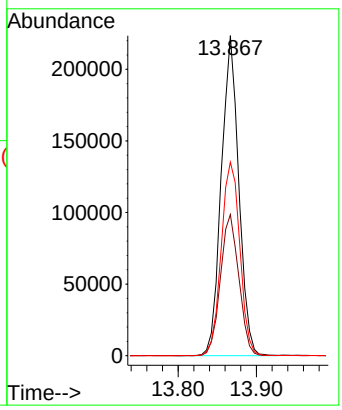




#91
1,2-Dichlorobenzene
Concen: 48.810 ug/l
RT: 13.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:146 Resp: 34703

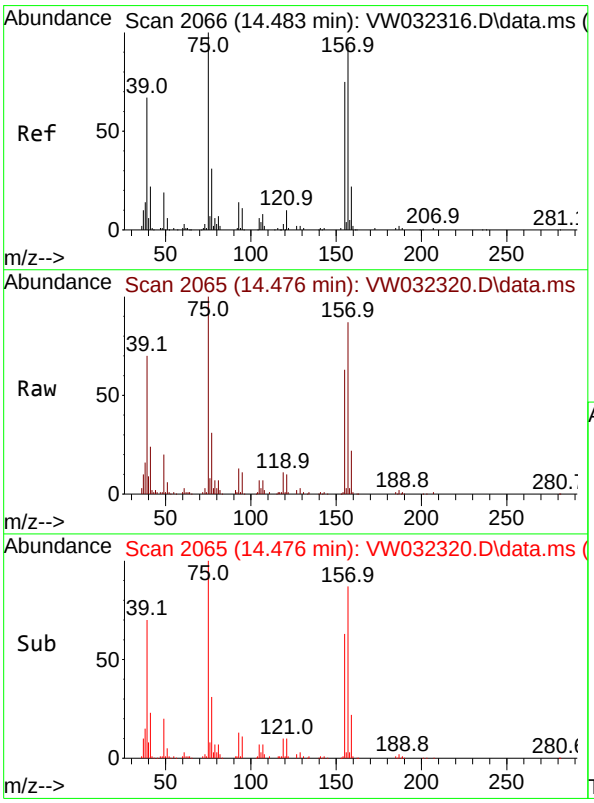
Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.4	70.0
148	64.5	34.1	102.3



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

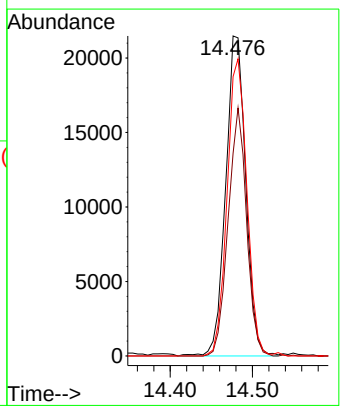
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

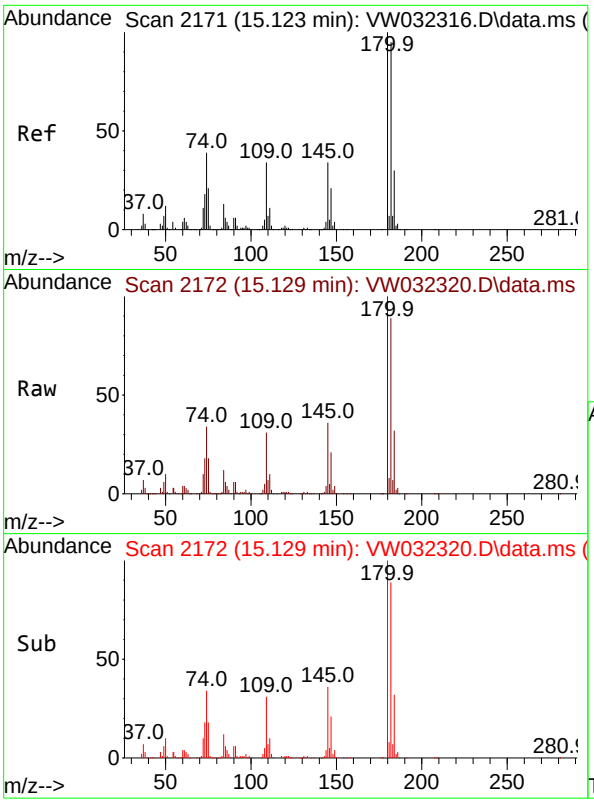


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.139 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion: 75 Resp: 36524

Ion	Ratio	Lower	Upper
75	100		
155	71.1	40.8	122.5
157	91.4	51.8	155.4





#93
1,2,4-Trichlorobenzene
Concen: 51.178 ug/l
RT: 15.129 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

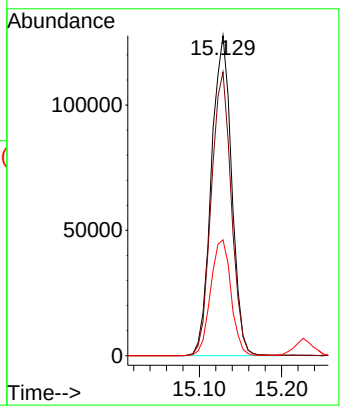
Tgt Ion:180 Resp: 21819

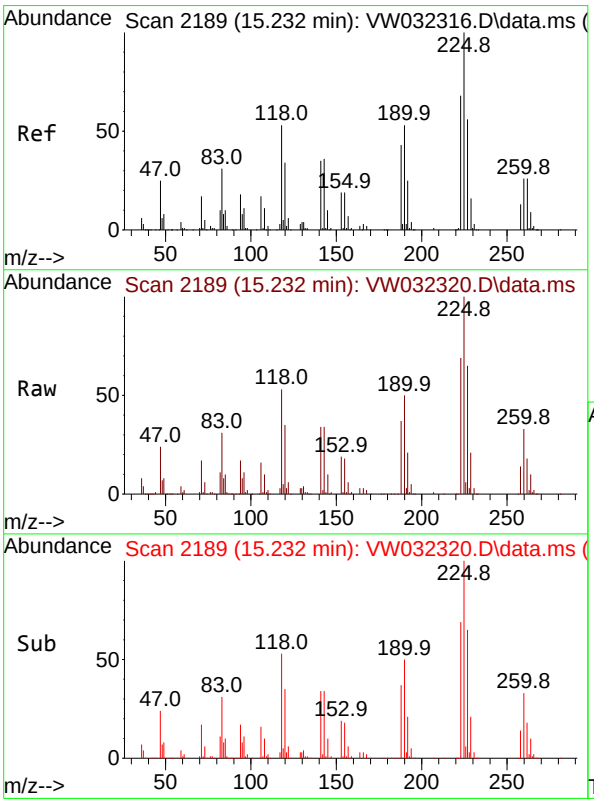
Ion	Ratio	Lower	Upper
180	100		
182	87.8	47.4	142.2
145	36.6	16.4	49.1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025

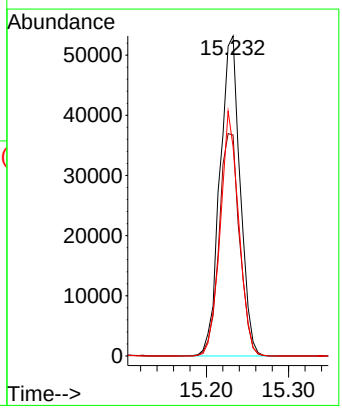


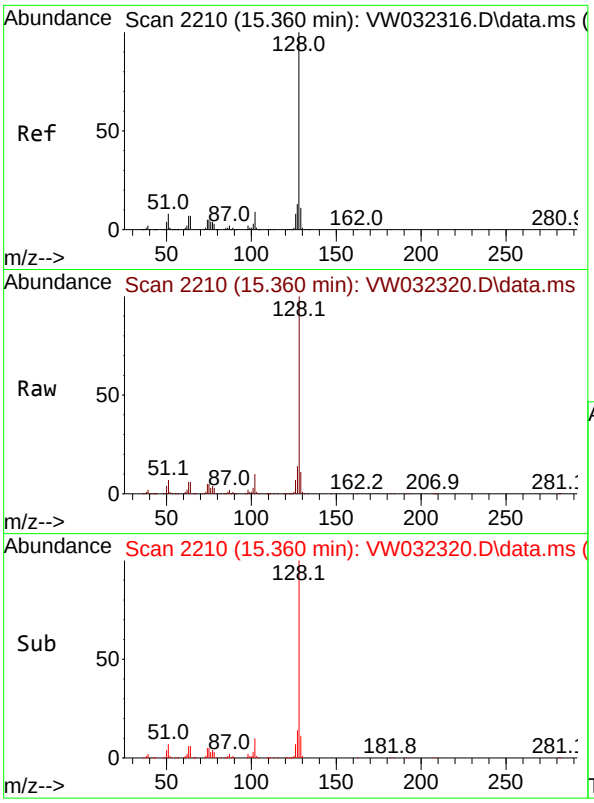


#94
Hexachlorobutadiene
Concen: 46.478 ug/l
RT: 15.232 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:225 Resp: 90599

Ion	Ratio	Lower	Upper
225	100		
223	70.3	29.8	89.3
227	70.0	30.5	91.5

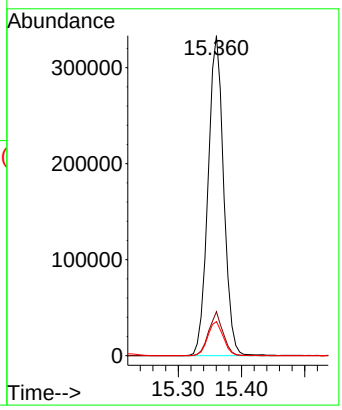




#95
Naphthalene
Concen: 55.881 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:128 Resp: 57214

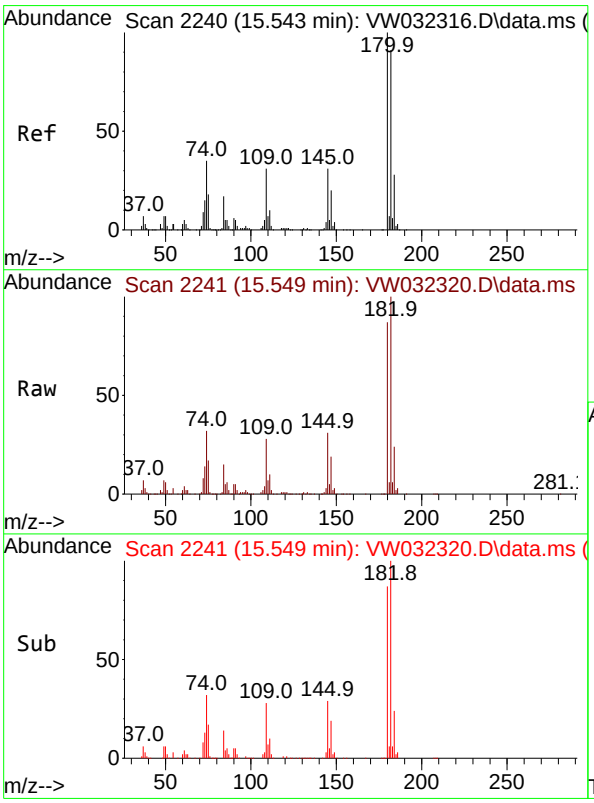
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	10.6	8.4	12.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Manual Integrations
APPROVED

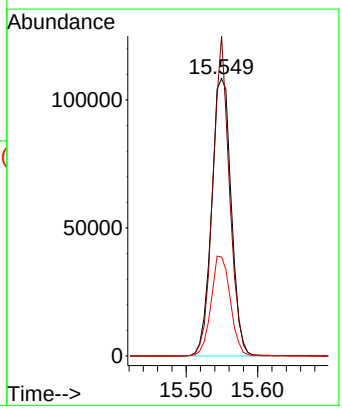
Reviewed By :Mahesh Dadoda 10/03/2025
Supervised By :Semsettin Yesilyurt 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.417 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW032320.D
Acq: 01 Oct 2025 16:04

Tgt Ion:180 Resp: 206623

Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.7	143.1
145	35.4	17.2	51.6



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032320.D
Acq On : 01 Oct 2025 16:04
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Quant Time: Oct 02 21:27:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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	99	0.00
2	T	Dichlorodifluoromethane	0.314	0.295	6.1	111	0.00
3	P	Chloromethane	0.484	0.484	0.0	115	0.00
4	C	Vinyl Chloride	0.578	0.556	3.8#	104	0.00
5	T	Bromomethane	0.425	0.402	5.4	104	0.00
6	T	Chloroethane	0.382	0.370	3.1	103	0.00
7	T	Trichlorofluoromethane	0.433	0.432	0.2	102	0.00
8	T	Diethyl Ether	0.375	0.372	0.8	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.519	0.501	3.5	107	-0.01
10	T	Methyl Iodide	0.741	0.702	5.3	100	0.00
11	T	Tert butyl alcohol	0.055	0.054	1.8	110	0.00
12	CM	1,1-Dichloroethene	0.564	0.561	0.5#	107	0.00
13	T	Acrolein	0.090	0.084	6.7	103	0.00
14	T	Allyl chloride	0.952	0.948	0.4	103	0.00
15	T	Acrylonitrile	0.195	0.202	-3.6	107	0.00
16	T	Acetone	0.202	0.185	8.4	100	0.00
17	T	Carbon Disulfide	1.538	1.522	1.0	105	0.00
18	T	Methyl Acetate	0.578	0.625	-8.1	99	0.00
19	T	Methyl tert-butyl Ether	1.110	1.140	-2.7	106	0.00
20	T	Methylene Chloride	0.838	0.677	19.2	106	0.00
21	T	trans-1,2-Dichloroethene	0.624	0.631	-1.1	106	0.00
22	T	Diisopropyl ether	1.979	2.027	-2.4	106	0.00
23	T	Vinyl Acetate	1.322	1.394	-5.4	110	0.00
24	P	1,1-Dichloroethane	1.203	1.201	0.2	105	0.00
25	T	2-Butanone	0.275	0.279	-1.5	106	0.00
26	T	2,2-Dichloropropane	0.615	0.597	2.9	103	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.764	-2.0	106	0.00
28	T	Bromochloromethane	0.566	0.572	-1.1	104	0.00
29	T	Tetrahydrofuran	0.173	0.185	-6.9	107	0.00
30	C	Chloroform	1.220	1.244	-2.0#	108	0.00
31	T	Cyclohexane	1.027	0.989	3.7	108	0.00
32	T	1,1,1-Trichloroethane	0.864	0.864	0.0	105	0.00
33	S	1,2-Dichloroethane-d4	0.729	0.739	-1.4	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.324	0.318	1.9	106	0.00
36	T	1,1-Dichloropropene	0.457	0.454	0.7	106	0.00
37	T	Ethyl Acetate	0.304	0.316	-3.9	111	0.00
38	T	Carbon Tetrachloride	0.430	0.427	0.7	108	0.00
39	T	Methylcyclohexane	0.551	0.568	-3.1	112	0.00
40	TM	Benzene	1.432	1.398	2.4	106	0.00
41	T	Methacrylonitrile	0.164	0.188	-14.6	117	0.00
42	TM	1,2-Dichloroethane	0.469	0.457	2.6	106	0.00
43	T	Isopropyl Acetate	0.540	0.560	-3.7	110	0.00
44	TM	Trichloroethene	0.335	0.328	2.1	108	0.00
45	C	1,2-Dichloropropane	0.358	0.353	1.4#	106	0.00
46	T	Dibromomethane	0.220	0.219	0.5	106	0.00
47	T	Bromodichloromethane	0.503	0.504	-0.2	108	0.00
48	T	Methyl methacrylate	0.262	0.277	-5.7	110	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032320.D
Acq On : 01 Oct 2025 16:04
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Quant Time: Oct 02 21:27:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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	1.195	1.189	0.5	102	0.00
51	T	4-Methyl-2-Pentanone	0.313	0.324	-3.5	106	0.00
52	CM	Toluene	0.892	0.893	-0.1#	107	0.00
53	T	t-1,3-Dichloropropene	0.488	0.500	-2.5	107	0.00
54	T	cis-1,3-Dichloropropene	0.562	0.564	-0.4	106	0.00
55	T	1,1,2-Trichloroethane	0.294	0.293	0.3	107	0.00
56	T	Ethyl methacrylate	0.411	0.431	-4.9	108	0.00
57	T	1,3-Dichloropropane	0.519	0.513	1.2	105	0.00
58	T	2-Chloroethyl Vinyl ether	0.219	0.243	-11.0	103	0.00
59	T	2-Hexanone	0.220	0.231	-5.0	108	0.00
60	T	Dibromochloromethane	0.334	0.335	-0.3	105	0.00
61	T	1,2-Dibromoethane	0.287	0.285	0.7	105	0.00
62	S	4-Bromofluorobenzene	0.452	0.436	3.5	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.299	0.297	0.7	109	0.00
65	PM	Chlorobenzene	1.100	1.075	2.3	107	0.00
66	T	1,1,1,2-Tetrachloroethane	0.343	0.333	2.9	107	0.00
67	C	Ethyl Benzene	1.834	1.853	-1.0#	109	0.00
68	T	m/p-Xylenes	0.707	0.702	0.7	107	0.00
69	T	o-Xylene	0.661	0.668	-1.1	107	0.00
70	T	Styrene	1.155	1.193	-3.3	108	0.00
71	P	Bromoform	0.196	0.201	-2.6	109	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.421	3.563	-4.2	108	0.00
74	T	N-amyl acetate	1.091	1.172	-7.4	111	0.00
75	P	1,1,2,2-Tetrachloroethane	0.849	0.863	-1.6	107	0.00
76	T	1,2,3-Trichloropropane	0.658	0.669	-1.7	111	0.00
77	T	Bromobenzene	0.825	0.835	-1.2	103	0.00
78	T	n-propylbenzene	4.273	4.415	-3.3	108	0.00
79	T	2-Chlorotoluene	2.613	2.680	-2.6	107	0.00
80	T	1,3,5-Trimethylbenzene	2.958	3.098	-4.7	107	0.00
81	T	trans-1,4-Dichloro-2-butene	0.260	0.282	-8.5	106	0.00
82	T	4-Chlorotoluene	2.778	2.819	-1.5	107	0.00
83	T	tert-Butylbenzene	2.427	2.597	-7.0	111	0.00
84	T	1,2,4-Trimethylbenzene	3.008	3.099	-3.0	105	0.00
85	T	sec-Butylbenzene	3.709	3.840	-3.5	108	0.00
86	T	p-Isopropyltoluene	3.077	3.243	-5.4	109	0.00
87	T	1,3-Dichlorobenzene	1.670	1.687	-1.0	106	0.00
88	T	1,4-Dichlorobenzene	1.670	1.615	3.3	105	0.00
89	T	n-Butylbenzene	3.005	3.178	-5.8	110	0.00
90	T	Hexachloroethane	0.552	0.573	-3.8	110	0.00
91	T	1,2-Dichlorobenzene	1.509	1.473	2.4	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.149	0.155	-4.0	106	0.00
93	T	1,2,4-Trichlorobenzene	0.905	0.926	-2.3	112	0.00
94	T	Hexachlorobutadiene	0.414	0.385	7.0	107	0.00
95	T	Naphthalene	2.174	2.429	-11.7	111	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032320.D
Acq On : 01 Oct 2025 16:04
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Quant Time: Oct 02 21:27:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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	0.853	0.877	-2.8	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032320.D
Acq On : 01 Oct 2025 16:04
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Quant Time: Oct 02 21:27:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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	99	0.00
2	T	Dichlorodifluoromethane	50.000	47.081	5.8	111	0.00
3	P	Chloromethane	50.000	49.950	0.1	115	0.00
4	C	Vinyl Chloride	50.000	48.072	3.9#	104	0.00
5	T	Bromomethane	50.000	47.340	5.3	104	0.00
6	T	Chloroethane	50.000	48.536	2.9	103	0.00
7	T	Trichlorofluoromethane	50.000	49.907	0.2	102	0.00
8	T	Diethyl Ether	50.000	49.634	0.7	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.296	3.4	107	-0.01
10	T	Methyl Iodide	50.000	47.371	5.3	100	0.00
11	T	Tert butyl alcohol	250.000	246.126	1.5	110	0.00
12	CM	1,1-Dichloroethene	50.000	49.800	0.4#	107	0.00
13	T	Acrolein	250.000	233.328	6.7	103	0.00
14	T	Allyl chloride	50.000	49.818	0.4	103	0.00
15	T	Acrylonitrile	250.000	258.222	-3.3	107	0.00
16	T	Acetone	250.000	228.796	8.5	100	0.00
17	T	Carbon Disulfide	50.000	49.511	1.0	105	0.00
18	T	Methyl Acetate	50.000	54.058	-8.1	99	0.00
19	T	Methyl tert-butyl Ether	50.000	51.342	-2.7	106	0.00
20	T	Methylene Chloride	50.000	50.746	-1.5	106	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.555	-1.1	106	0.00
22	T	Diisopropyl ether	50.000	51.202	-2.4	106	0.00
23	T	Vinyl Acetate	250.000	263.598	-5.4	110	0.00
24	P	1,1-Dichloroethane	50.000	49.949	0.1	105	0.00
25	T	2-Butanone	250.000	253.341	-1.3	106	0.00
26	T	2,2-Dichloropropane	50.000	48.528	2.9	103	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.954	-1.9	106	0.00
28	T	Bromochloromethane	50.000	50.575	-1.2	104	0.00
29	T	Tetrahydrofuran	250.000	267.648	-7.1	107	0.00
30	C	Chloroform	50.000	50.980	-2.0#	108	0.00
31	T	Cyclohexane	50.000	48.179	3.6	108	0.00
32	T	1,1,1-Trichloroethane	50.000	49.989	0.0	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.638	-1.3	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	49.108	1.8	106	0.00
36	T	1,1-Dichloropropene	50.000	49.661	0.7	106	0.00
37	T	Ethyl Acetate	50.000	51.871	-3.7	111	0.00
38	T	Carbon Tetrachloride	50.000	49.617	0.8	108	0.00
39	T	Methylcyclohexane	50.000	51.537	-3.1	112	0.00
40	TM	Benzene	50.000	48.794	2.4	106	0.00
41	T	Methacrylonitrile	50.000	57.284	-14.6	117	0.00
42	TM	1,2-Dichloroethane	50.000	48.701	2.6	106	0.00
43	T	Isopropyl Acetate	50.000	51.877	-3.8	110	0.00
44	TM	Trichloroethene	50.000	48.904	2.2	108	0.00
45	C	1,2-Dichloropropane	50.000	49.299	1.4#	106	0.00
46	T	Dibromomethane	50.000	49.841	0.3	106	0.00
47	T	Bromodichloromethane	50.000	50.162	-0.3	108	0.00
48	T	Methyl methacrylate	50.000	52.884	-5.8	110	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032320.D
Acq On : 01 Oct 2025 16:04
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Quant Time: Oct 02 21:27:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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	1058.229	-5.8	106	0.00
50	S	Toluene-d8	50.000	49.731	0.5	102	0.00
51	T	4-Methyl-2-Pentanone	250.000	258.790	-3.5	106	0.00
52	CM	Toluene	50.000	50.061	-0.1#	107	0.00
53	T	t-1,3-Dichloropropene	50.000	51.234	-2.5	107	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.209	-0.4	106	0.00
55	T	1,1,2-Trichloroethane	50.000	49.869	0.3	107	0.00
56	T	Ethyl methacrylate	50.000	52.367	-4.7	108	0.00
57	T	1,3-Dichloropropane	50.000	49.394	1.2	105	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	277.181	-10.9	103	0.00
59	T	2-Hexanone	250.000	262.215	-4.9	108	0.00
60	T	Dibromochloromethane	50.000	50.187	-0.4	105	0.00
61	T	1,2-Dibromoethane	50.000	49.732	0.5	105	0.00
62	S	4-Bromofluorobenzene	50.000	48.218	3.6	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	49.611	0.8	109	0.00
65	PM	Chlorobenzene	50.000	48.862	2.3	107	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.644	2.7	107	0.00
67	C	Ethyl Benzene	50.000	50.513	-1.0#	109	0.00
68	T	m/p-Xylenes	100.000	99.276	0.7	107	0.00
69	T	o-Xylene	50.000	50.523	-1.0	107	0.00
70	T	Styrene	50.000	51.667	-3.3	108	0.00
71	P	Bromoform	50.000	51.207	-2.4	109	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	52.076	-4.2	108	0.00
74	T	N-amyl acetate	50.000	53.697	-7.4	111	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.822	-1.6	107	0.00
76	T	1,2,3-Trichloropropane	50.000	50.813	-1.6	111	0.00
77	T	Bromobenzene	50.000	50.659	-1.3	103	0.00
78	T	n-propylbenzene	50.000	51.657	-3.3	108	0.00
79	T	2-Chlorotoluene	50.000	51.287	-2.6	107	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.365	-4.7	107	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.360	-8.7	106	0.00
82	T	4-Chlorotoluene	50.000	50.734	-1.5	107	0.00
83	T	tert-Butylbenzene	50.000	53.510	-7.0	111	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.522	-3.0	105	0.00
85	T	sec-Butylbenzene	50.000	51.774	-3.5	108	0.00
86	T	p-Isopropyltoluene	50.000	52.697	-5.4	109	0.00
87	T	1,3-Dichlorobenzene	50.000	50.518	-1.0	106	0.00
88	T	1,4-Dichlorobenzene	50.000	48.372	3.3	105	0.00
89	T	n-Butylbenzene	50.000	52.880	-5.8	110	0.00
90	T	Hexachloroethane	50.000	51.903	-3.8	110	0.00
91	T	1,2-Dichlorobenzene	50.000	48.810	2.4	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.139	-4.3	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.178	-2.4	112	0.00
94	T	Hexachlorobutadiene	50.000	46.478	7.0	107	0.00
95	T	Naphthalene	50.000	55.881	-11.8	111	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032320.D
Acq On : 01 Oct 2025 16:04
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW100125

Quant Time: Oct 02 21:27:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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	51.417	-2.8	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data

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: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: MSVOA_X Calibration Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:59 13:49

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

LAB FILE ID: RRF001 = VX048229.D RRF020 = VX048231.D RRF050 = VX048232.D
RRF100 = VX048233.D RRF150 = VX048234.D RRF005 = VX048236.D

COMPOUND	RRF001	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.522	0.513	0.483	0.540	0.504	0.522	0.514	3.7
Chloromethane	0.506	0.468	0.449	0.476	0.471	0.508	0.480	4.8
Vinyl Chloride	0.447	0.437	0.416	0.462	0.445	0.458	0.444	3.7
Bromomethane		0.323	0.282	0.280	0.276	0.346	0.302	10.4
Chloroethane	0.233	0.277	0.247	0.282	0.267	0.261	0.261	7.2
Trichlorofluoromethane	0.776	0.874	0.807	0.907	0.869	0.880	0.852	5.8
1,1,2-Trichlorotrifluoroethane	0.512	0.540	0.501	0.583	0.549	0.553	0.540	5.5
1,1-Dichloroethene	0.515	0.548	0.485	0.558	0.531	0.514	0.525	5
Acetone	0.300	0.250	0.202	0.221	0.206	0.262	0.240	15.7
Carbon Disulfide	2.034	1.612	1.442	1.617	1.532	1.689	1.654	12.4
Methyl tert-butyl Ether	1.894	1.909	1.704	1.817	1.764	1.657	1.791	5.7
Methyl Acetate	0.514	0.551	0.466	0.514	0.504	0.464	0.502	6.6
Methylene Chloride	0.555	0.651	0.552	0.597	0.567	0.595	0.586	6.4
trans-1,2-Dichloroethene	0.587	0.585	0.535	0.592	0.558	0.603	0.577	4.4
1,1-Dichloroethane	1.116	1.085	0.977	1.055	1.019	1.054	1.051	4.6
Cyclohexane		0.894	0.821	0.926	0.866	0.843	0.870	4.8
2-Butanone	0.311	0.329	0.281	0.301	0.290	0.315	0.304	5.7
Carbon Tetrachloride	0.650	0.594	0.553	0.604	0.567	0.622	0.599	5.9
cis-1,2-Dichloroethene	0.682	0.700	0.626	0.695	0.661	0.673	0.673	4
Bromochloromethane	0.388	0.404	0.441	0.462	0.452	0.469	0.436	7.5
Chloroform	1.147	1.208	1.046	1.127	1.067	1.143	1.123	5.2
1,1,1-Trichloroethane	1.049	1.085	0.973	1.055	1.007	1.041	1.035	3.8
Methylcyclohexane	0.551	0.548	0.540	0.626	0.582	0.590	0.573	5.7
Benzene	1.493	1.480	1.301	1.426	1.347	1.405	1.409	5.3
1,2-Dichloroethane	0.529	0.566	0.500	0.528	0.496	0.499	0.520	5.2
Trichloroethene	0.400	0.373	0.348	0.380	0.363	0.366	0.372	4.7
1,2-Dichloropropane	0.309	0.362	0.321	0.347	0.333	0.337	0.335	5.5
Bromodichloromethane	0.570	0.592	0.538	0.573	0.538	0.567	0.563	3.8
4-Methyl-2-Pentanone	0.366	0.422	0.377	0.384	0.362	0.374	0.381	5.7
Toluene	0.881	0.944	0.862	0.910	0.849	0.925	0.895	4.2

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: MSVOA_X Calibration Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:59 13:49

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

LAB FILE ID: RRF001 = VX048229.D RRF020 = VX048231.D RRF050 = VX048232.D
RRF100 = VX048233.D RRF150 = VX048234.D RRF005 = VX048236.D

COMPOUND	RRF001	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.477	0.582	0.545	0.574	0.553	0.526	0.543	7
cis-1,3-Dichloropropene	0.582	0.604	0.572	0.615	0.585	0.556	0.586	3.7
1,1,2-Trichloroethane	0.318	0.357	0.321	0.333	0.313	0.355	0.333	5.8
2-Hexanone	0.231	0.298	0.267	0.271	0.256	0.271	0.266	8.3
Dibromochloromethane	0.482	0.476	0.425	0.442	0.418	0.441	0.447	5.9
1,2-Dibromoethane	0.346	0.393	0.342	0.359	0.336	0.353	0.355	5.7
Tetrachloroethene	0.418	0.378	0.328	0.370	0.361	0.385	0.373	7.9
Chlorobenzene	1.149	1.159	1.045	1.148	1.102	1.145	1.125	3.9
Ethyl Benzene	1.905	1.954	1.825	2.008	1.922	1.876	1.915	3.3
m/p-Xylenes	0.647	0.750	0.687	0.750	0.707	0.727	0.712	5.6
o-Xylene	0.652	0.712	0.664	0.723	0.686	0.684	0.687	3.9
Styrene	1.054	1.236	1.143	1.247	1.173	1.165	1.170	6
Bromoform	0.338	0.350	0.308	0.335	0.326	0.325	0.330	4.3
Isopropylbenzene	3.618	3.656	3.430	3.875	3.754	3.579	3.652	4.2
1,1,2,2-Tetrachloroethane	0.988	1.065	0.946	1.018	0.992	0.974	0.997	4.1
1,3-Dichlorobenzene	1.863	1.742	1.550	1.747	1.707	1.750	1.726	5.9
1,4-Dichlorobenzene	2.143	1.803	1.577	1.724	1.710	1.772	1.788	10.6
1,2-Dichlorobenzene	1.803	1.631	1.494	1.619	1.588	1.590	1.621	6.3
1,2-Dibromo-3-Chloropropane	0.167	0.219	0.195	0.224	0.223	0.187	0.202	11.5
1,2,4-Trichlorobenzene	1.441	0.975	0.959	1.114	1.094	0.994	1.096	16.5
1,2,3-Trichlorobenzene	1.154	0.942	0.909	1.050	1.033	0.947	1.006	9
1,2-Dichloroethane-d4		0.709	0.682	0.690	0.698	0.725	0.701	2.4
Dibromofluoromethane		0.345	0.330	0.346	0.348	0.338	0.341	2.2
Toluene-d8		1.185	1.185	1.196	1.195	1.221	1.196	1.2
4-Bromofluorobenzene		0.445	0.444	0.446	0.441	0.500	0.455	5.5

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X102025W.M
Title : SW846 8260
Last Update : Mon Oct 20 14:13:59 2025
Response Via : Initial Calibration

Calibration Files
1 =VX048229.D 5 =VX048236.D 20 =VX048231.D 50 =VX048232.D 100 =VX048233.D 150 =VX048234.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.522	0.522	0.513	0.483	0.540	0.504	0.514	3.74
3)	P	Chloromethane	0.506	0.508	0.468	0.449	0.476	0.471	0.480	4.81
4)	C	Vinyl Chloride	0.447	0.458	0.437	0.416	0.462	0.445	0.444	3.69#
5)	T	Bromomethane		0.346	0.323	0.282	0.280	0.276	0.302	10.42
6)	T	Chloroethane	0.233	0.261	0.277	0.247	0.282	0.267	0.261	7.16
7)	T	Trichlorofluor...	0.776	0.880	0.874	0.807	0.907	0.869	0.852	5.83
8)	T	Diethyl Ether	0.231	0.237	0.257	0.223	0.248	0.242	0.240	5.06
9)	T	1,1,2-Trichlor...	0.512	0.553	0.540	0.501	0.583	0.549	0.540	5.48
10)	T	Methyl Iodide		0.569	0.636	0.663	0.781	0.742	0.678	12.47
11)	T	Tert butyl alc...		0.087	0.069	0.062	0.067	0.064	0.070	14.22
12)	CM	1,1-Dichloroet...	0.515	0.514	0.548	0.485	0.558	0.531	0.525	5.03#
13)	T	Acrolein		0.079	0.063	0.065	0.074	0.073	0.071	9.21
14)	T	Allyl chloride	0.897	0.833	0.909	0.805	0.911	0.874	0.872	5.00
15)	T	Acrylonitrile	0.255	0.245	0.267	0.239	0.254	0.246	0.251	3.89
16)	T	Acetone	0.300	0.262	0.250	0.202	0.221	0.206	0.240	15.70
17)	T	Carbon Disulfide	2.034	1.689	1.612	1.442	1.617	1.532	1.654	12.36
18)	T	Methyl Acetate	0.514	0.464	0.551	0.466	0.514	0.504	0.502	6.56
19)	T	Methyl tert-bu...	1.894	1.657	1.909	1.704	1.817	1.764	1.791	5.66
20)	T	Methylene Chlo...	0.555	0.595	0.651	0.552	0.597	0.567	0.586	6.36
21)	T	trans-1,2-Dich...	0.587	0.603	0.585	0.535	0.592	0.558	0.577	4.38
22)	T	Diisopropyl ether	1.697	1.701	1.881	1.662	1.787	1.701	1.738	4.69
23)	T	Vinyl Acetate	1.261	1.326	1.521	1.348	1.466	1.408	1.389	6.90
24)	P	1,1-Dichloroet...	1.116	1.054	1.085	0.977	1.055	1.019	1.051	4.64
25)	T	2-Butanone	0.311	0.315	0.329	0.281	0.301	0.290	0.304	5.70
26)	T	2,2-Dichloropr...	1.002	0.945	0.973	0.876	0.973	0.924	0.949	4.69
27)	T	cis-1,2-Dichlo...	0.682	0.673	0.700	0.626	0.695	0.661	0.673	4.03
28)	T	Bromochloromet...	0.388	0.469	0.404	0.441	0.462	0.452	0.436	7.52
29)	T	Tetrahydrofuran	0.178	0.183	0.198	0.171	0.184	0.180	0.182	5.00
30)	C	Chloroform	1.147	1.143	1.208	1.046	1.127	1.067	1.123	5.22#
31)	T	Cyclohexane		0.843	0.894	0.821	0.926	0.866	0.870	4.76
32)	T	1,1,1-Trichlor...	1.049	1.041	1.085	0.973	1.055	1.007	1.035	3.83
33)	S	1,2-Dichloroet...		0.725	0.709	0.682	0.690	0.698	0.701	2.40
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.338	0.345	0.330	0.346	0.348	0.341	2.17
36)	T	1,1-Dichloropr...	0.562	0.475	0.491	0.433	0.490	0.460	0.485	8.96
37)	T	Ethyl Acetate	0.459	0.396	0.396	0.368	0.410	0.384	0.402	7.71
38)	T	Carbon Tetrach...	0.650	0.622	0.594	0.553	0.604	0.567	0.599	5.95
39)	T	Methylcyclohexane	0.551	0.590	0.548	0.540	0.626	0.582	0.573	5.73
40)	TM	Benzene	1.493	1.405	1.480	1.301	1.426	1.347	1.409	5.30
41)	T	Methacrylonitrile	0.192	0.198	0.237	0.205	0.223	0.213	0.211	7.85
42)	TM	1,2-Dichloroet...	0.529	0.499	0.566	0.500	0.528	0.496	0.520	5.23
43)	T	Isopropyl Acetate	0.659	0.612	0.709	0.635	0.682	0.665	0.661	5.16
44)	TM	Trichloroethene	0.400	0.366	0.373	0.348	0.380	0.363	0.372	4.73
45)	C	1,2-Dichloropr...	0.309	0.337	0.362	0.321	0.347	0.333	0.335	5.54#
46)	T	Dibromomethane	0.267	0.264	0.277	0.247	0.261	0.249	0.261	4.35
47)	T	Bromodichlorom...	0.570	0.567	0.592	0.538	0.573	0.538	0.563	3.79
48)	T	Methyl methacr...	0.332	0.300	0.356	0.322	0.350	0.340	0.333	6.07
49)	T	1,4-Dioxane	0.003	0.004	0.005	0.004	0.005	0.005	0.004	12.99
50)	S	Toluene-d8		1.221	1.185	1.185	1.195	1.195	1.196	1.22
51)	T	4-Methyl-2-Pen...	0.366	0.374	0.422	0.377	0.384	0.362	0.381	5.71
52)	CM	Toluene	0.881	0.925	0.944	0.861	0.910	0.849	0.895	4.15#
53)	T	t-1,3-Dichloro...	0.477	0.526	0.582	0.545	0.574	0.553	0.543	7.02
54)	T	cis-1,3-Dichlo...	0.582	0.556	0.604	0.572	0.615	0.585	0.586	3.67
55)	T	1,1,2-Trichlor...	0.318	0.355	0.357	0.321	0.333	0.313	0.333	5.78
56)	T	Ethyl methacry...	0.418	0.451	0.536	0.490	0.524	0.502	0.487	9.17

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X102025W.M

57)	T	1,3-Dichloropr...	0.563	0.572	0.614	0.548	0.572	0.541	0.568	4.51
58)	T	2-Chloroethyl ...	0.154	0.182	0.269	0.260	0.269	0.260	0.232	21.93
59)	T	2-Hexanone	0.231	0.271	0.298	0.267	0.271	0.256	0.266	8.30
60)	T	Dibromochlorom...	0.482	0.441	0.476	0.425	0.442	0.418	0.447	5.89
61)	T	1,2-Dibromoethane	0.346	0.353	0.393	0.342	0.359	0.336	0.355	5.72
62)	S	4-Bromofluorob...		0.500	0.445	0.444	0.446	0.441	0.455	5.51
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.418	0.385	0.378	0.328	0.370	0.361	0.373	7.92
65)	PM	Chlorobenzene	1.149	1.145	1.159	1.045	1.148	1.102	1.125	3.89
66)	T	1,1,1,2-Tetrac...	0.422	0.405	0.423	0.390	0.430	0.409	0.413	3.53
67)	C	Ethyl Benzene	1.905	1.876	1.954	1.825	2.008	1.922	1.915	3.30#
68)	T	m/p-Xylenes	0.647	0.727	0.750	0.687	0.750	0.707	0.712	5.60
69)	T	o-Xylene	0.652	0.684	0.712	0.664	0.723	0.686	0.687	3.93
70)	T	Styrene	1.054	1.165	1.236	1.143	1.247	1.173	1.170	5.98
71)	P	Bromoform	0.338	0.325	0.350	0.308	0.335	0.326	0.330	4.27
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.618	3.579	3.656	3.430	3.875	3.754	3.652	4.17
74)	T	N-amyl acetate	1.229	1.150	1.339	1.248	1.415	1.392	1.295	7.97
75)	P	1,1,2,2-Tetrac...	0.988	0.974	1.065	0.946	1.018	0.992	0.997	4.08
76)	T	1,2,3-Trichlor...	0.929	0.767	0.822	0.735	0.810	0.802	0.811	8.14
77)	T	Bromobenzene	0.940	0.897	0.930	0.858	0.953	0.916	0.916	3.73
78)	T	n-propylbenzene	4.000	4.169	4.255	4.017	4.544	4.385	4.228	5.02
79)	T	2-Chlorotoluene	2.575	2.512	2.615	2.397	2.693	2.590	2.564	3.92
80)	T	1,3,5-Trimethy...	2.988	2.889	3.079	2.861	3.222	3.094	3.022	4.53
81)	T	trans-1,4-Dich...		0.287	0.330	0.316	0.366	0.368	0.333	10.35
82)	T	4-Chlorotoluene	3.097	2.958	3.119	2.883	3.143	3.059	3.043	3.34
83)	T	tert-Butylbenzene	3.128	3.047	3.086	2.915	3.282	3.173	3.105	3.98
84)	T	1,2,4-Trimethy...	2.791	2.991	3.077	2.864	3.247	3.126	3.016	5.61
85)	T	sec-Butylbenzene	3.789	3.690	3.683	3.476	3.969	3.809	3.736	4.39
86)	T	p-Isopropyltol...	3.342	3.222	3.159	2.986	3.399	3.265	3.229	4.53
87)	T	1,3-Dichlorobe...	1.863	1.750	1.742	1.550	1.747	1.707	1.726	5.86
88)	T	1,4-Dichlorobe...	2.143	1.772	1.803	1.577	1.724	1.710	1.788	10.65
89)	T	n-Butylbenzene	3.328	2.869	2.807	2.622	3.073	2.936	2.939	8.22
90)	T	Hexachloroethane	0.680	0.647	0.621	0.569	0.664	0.645	0.638	6.11
91)	T	1,2-Dichlorobe...	1.803	1.590	1.631	1.494	1.619	1.588	1.621	6.25
92)	T	1,2-Dibromo-3-...	0.167	0.187	0.219	0.195	0.224	0.223	0.202	11.51
93)	T	1,2,4-Trichlor...	1.441	0.994	0.975	0.959	1.114	1.094	1.096	16.47
94)	T	Hexachlorobuta...	0.953	0.482	0.399	0.373	0.426	0.409	0.507	43.70
95)	T	Naphthalene	2.942	2.473	2.880	2.776	3.171	3.181	2.904	9.14
96)	T	1,2,3-Trichlor...	1.154	0.947	0.942	0.909	1.050	1.033	1.006	9.04

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048229.D
Acq On : 20 Oct 2025 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	117157	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.745	114	193186	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	177252	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	86943	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 78 - 117		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 92 - 112		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 83 - 123		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.173	85	1223	0.995	ug/l		82
3) Chloromethane	1.301	50	1186	0.796	ug/l	#	62
4) Vinyl Chloride	1.380	62	1048	0.668	ug/l		92
6) Chloroethane	1.697	64	545	0.546	ug/l		91
7) Trichlorofluoromethane	1.898	101	1819	0.738	ug/l		98
8) Diethyl Ether	2.142	74	542	0.645	ug/l		81
9) 1,1,2-Trichlorotrifluo...	2.337	101	1199	0.864	ug/l		89
12) 1,1-Dichloroethene	2.325	96	1207	0.889	ug/l		88
14) Allyl chloride	2.666	41	2101	0.860	ug/l		96
15) Acrylonitrile	3.069	53	2984	5.171	ug/l		97
16) Acetone	2.380	43	3519	5.684	ug/l		98
17) Carbon Disulfide	2.520	76	4767	1.141	ug/l	#	92
18) Methyl Acetate	2.703	43	1204	0.955	ug/l	#	85
19) Methyl tert-butyl Ether	3.111	73	4437	1.085	ug/l		100
20) Methylene Chloride	2.794	84	1301	0.863	ug/l	#	76
21) trans-1,2-Dichloroethene	3.099	96	1376	0.980	ug/l		96
22) Diisopropyl ether	3.745	45	3977	0.832	ug/l	#	26
23) Vinyl Acetate	3.727	43	14769	4.131	ug/l		95
24) 1,1-Dichloroethane	3.611	63	2615	0.964	ug/l		97
25) 2-Butanone	4.574	43	3638	5.043	ug/l		98
26) 2,2-Dichloropropane	4.465	77	2347	1.012	ug/l		84
27) cis-1,2-Dichloroethene	4.489	96	1598	0.959	ug/l		94
28) Bromochloromethane	4.879	49	908	0.726	ug/l	#	69
29) Tetrahydrofuran	5.007	42	2088	4.929	ug/l	#	73
30) Chloroform	5.093	83	2688	0.941	ug/l		97
32) 1,1,1-Trichloroethane	5.379	97	2459	1.048	ug/l	#	50
36) 1,1-Dichloropropene	5.696	75	2173	1.151	ug/l	#	62
37) Ethyl Acetate	4.727	43	1772m	1.174	ug/l		
38) Carbon Tetrachloride	5.672	117	2513m	1.159	ug/l		
39) Methylcyclohexane	7.373	83	2128	0.999	ug/l		94
40) Benzene	6.032	78	5767	1.028	ug/l	#	89
41) Methacrylonitrile	4.916	41	741m	0.917	ug/l		
42) 1,2-Dichloroethane	6.080	62	2044	1.017	ug/l		87
43) Isopropyl Acetate	6.336	43	2548	1.006	ug/l	#	85
44) Trichloroethene	7.117	130	1547	1.094	ug/l		83
45) 1,2-Dichloropropane	7.422	63	1195	0.842	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048229.D
Acq On : 20 Oct 2025 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 20 12:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.574	93	1032	1.011	ug/l		95
47) Bromodichloromethane	7.812	83	2204	0.999	ug/l	#	79
48) Methyl methacrylate	7.684	41	1283	0.989	ug/l		95
49) 1,4-Dioxane	7.665	88	255	21.840	ug/l	#	34
51) 4-Methyl-2-Pentanone	8.562	43	7066	5.011	ug/l		91
52) Toluene	8.708	92	3403	1.010	ug/l		95
53) t-1,3-Dichloropropene	8.970	75	1844	0.892	ug/l	#	74
54) cis-1,3-Dichloropropene	8.360	75	2250	0.998	ug/l		90
55) 1,1,2-Trichloroethane	9.147	97	1229	0.977	ug/l	#	85
56) Ethyl methacrylate	9.104	69	1616	0.945	ug/l		96
57) 1,3-Dichloropropane	9.299	76	2174	0.989	ug/l		93
58) 2-Chloroethyl Vinyl ether	8.232	63	2970	3.381	ug/l		100
59) 2-Hexanone	9.421	43	4456	4.518	ug/l		92
60) Dibromochloromethane	9.507	129	1862	1.183	ug/l		95
61) 1,2-Dibromoethane	9.598	107	1338	1.037	ug/l		98
64) Tetrachloroethene	9.257	164	1482	1.192	ug/l		92
65) Chlorobenzene	10.067	112	4073	1.051	ug/l		90
66) 1,1,1,2-Tetrachloroethane	10.147	131	1495	1.070	ug/l	#	66
67) Ethyl Benzene	10.177	91	6752	1.016	ug/l		97
68) m/p-Xylenes	10.287	106	4589	1.854	ug/l		90
69) o-Xylene	10.628	106	2313	0.993	ug/l		99
70) Styrene	10.640	104	3737	0.932	ug/l		96
71) Bromoform	10.787	173	1198	1.168	ug/l	#	99
73) Isopropylbenzene	10.945	105	6291	1.040	ug/l		93
74) N-amyl acetate	10.829	43	2137	0.947	ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	11.195	83	1718	1.003	ug/l		90
76) 1,2,3-Trichloropropane	11.220	75	1615m	1.216	ug/l		
77) Bromobenzene	11.183	156	1635	1.080	ug/l		91
78) n-propylbenzene	11.287	91	6956	0.949	ug/l		94
79) 2-Chlorotoluene	11.348	91	4477	1.010	ug/l		97
80) 1,3,5-Trimethylbenzene	11.433	105	5196	1.047	ug/l		97
82) 4-Chlorotoluene	11.439	91	5385	1.034	ug/l		99
83) tert-Butylbenzene	11.695	119	5439	1.085	ug/l		91
84) 1,2,4-Trimethylbenzene	11.738	105	4854	0.982	ug/l		99
85) sec-Butylbenzene	11.872	105	6589	1.075	ug/l		99
86) p-Isopropyltoluene	11.994	119	5812	1.125	ug/l		91
87) 1,3-Dichlorobenzene	11.951	146	3239	1.145	ug/l		96
88) 1,4-Dichlorobenzene	12.024	146	3727m	1.270	ug/l		
89) n-Butylbenzene	12.317	91	5787	1.202	ug/l		98
90) Hexachloroethane	12.518	117	1182	1.084	ug/l		77
91) 1,2-Dichlorobenzene	12.317	146	3135	1.172	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	12.933	75	290	0.926	ug/l		79
93) 1,2,4-Trichlorobenzene	13.573	180	2505	1.587	ug/l		90
94) Hexachlorobutadiene	13.707	225	1658	2.724	ug/l		97
95) Naphthalene	13.762	128	5116	1.230	ug/l		98
96) 1,2,3-Trichlorobenzene	13.945	180	2006	1.377	ug/l		100

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

ICAL Form

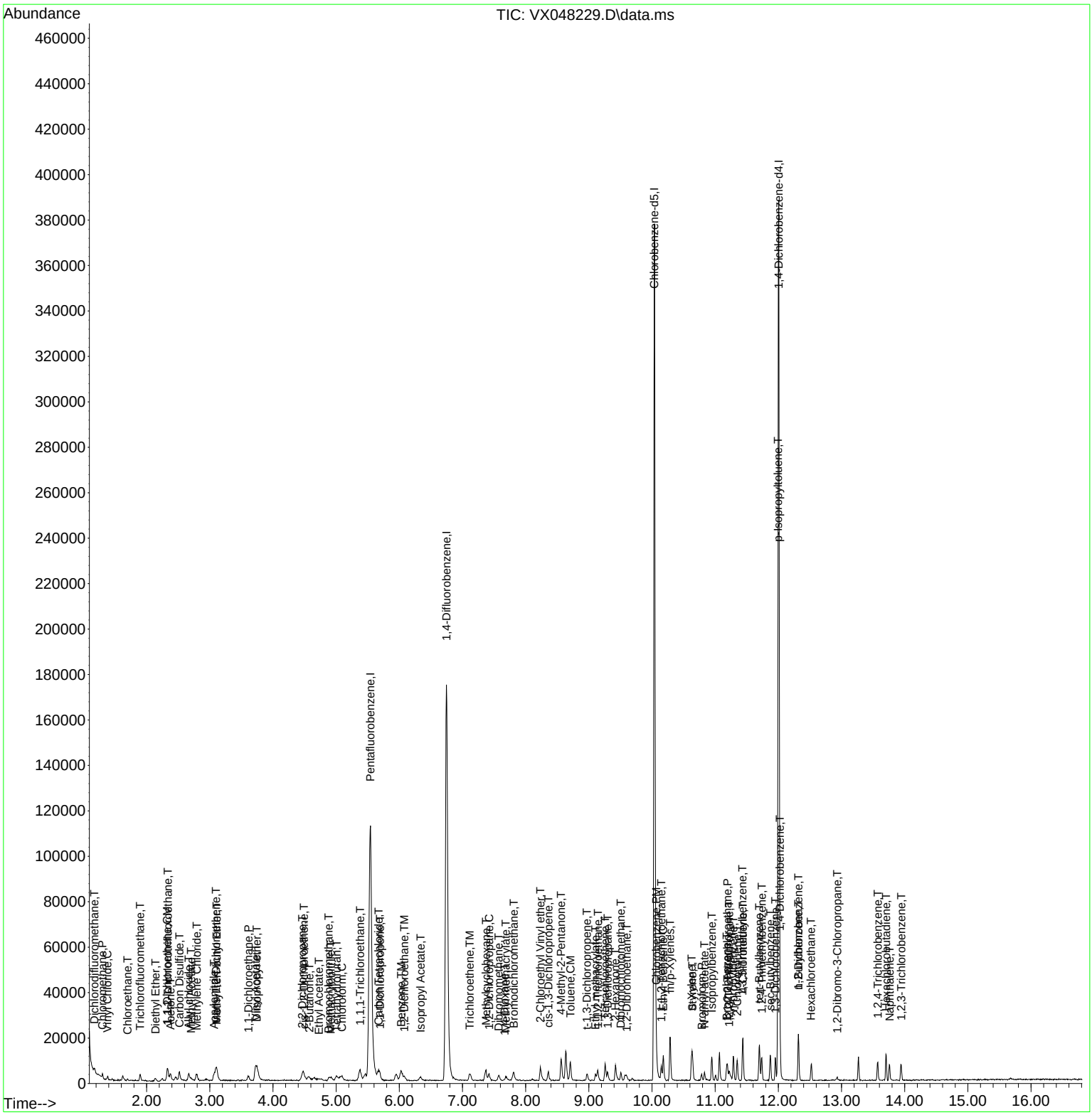
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048229.D
Acq On : 20 Oct 2025 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

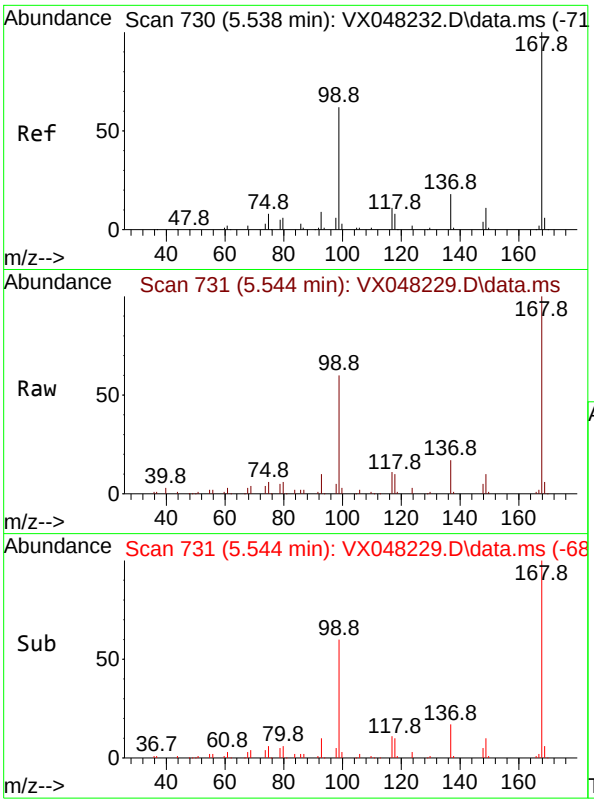
Quant Time: Oct 20 12:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

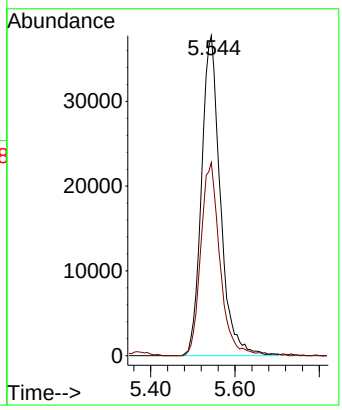




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:168 Resp: 11715

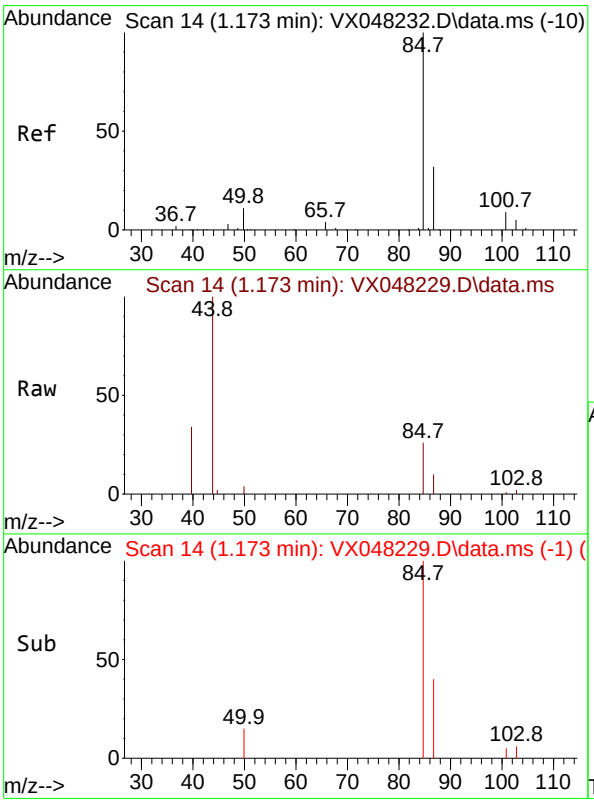
Ion	Ratio	Lower	Upper
168	100		
99	60.3	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

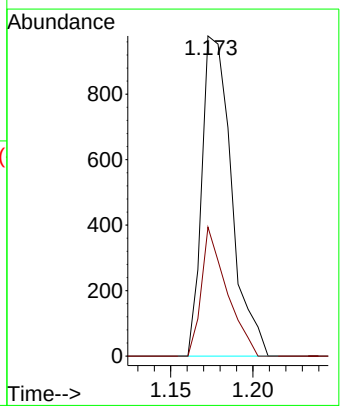
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

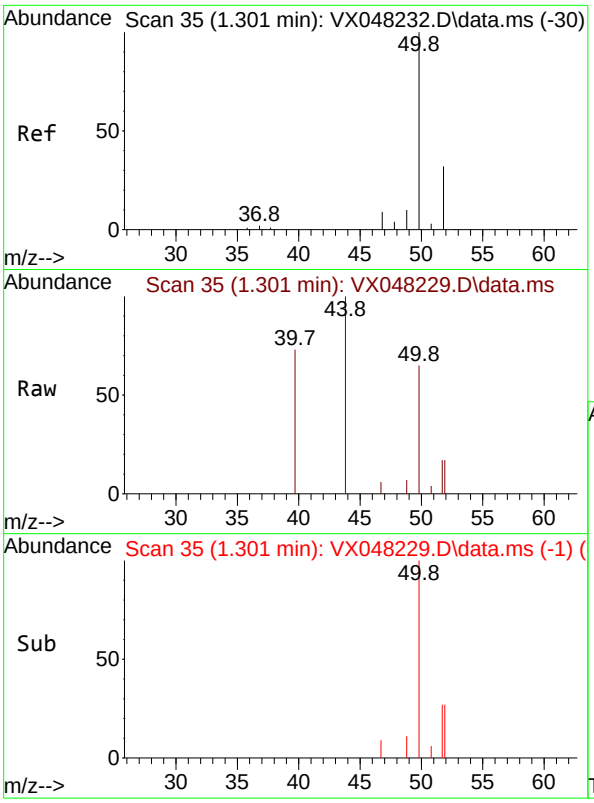


#2
Dichlorodifluoromethane
Concen: 0.995 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 85 Resp: 1223

Ion	Ratio	Lower	Upper
85	100		
87	40.3	15.3	45.9

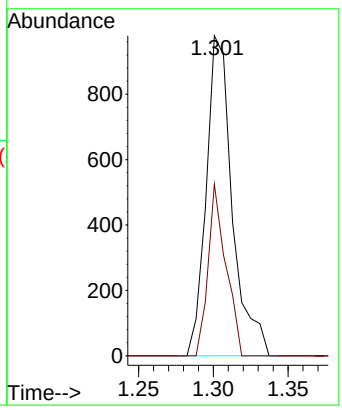




#3
Chloromethane
Concen: 0.796 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 50 Resp: 118

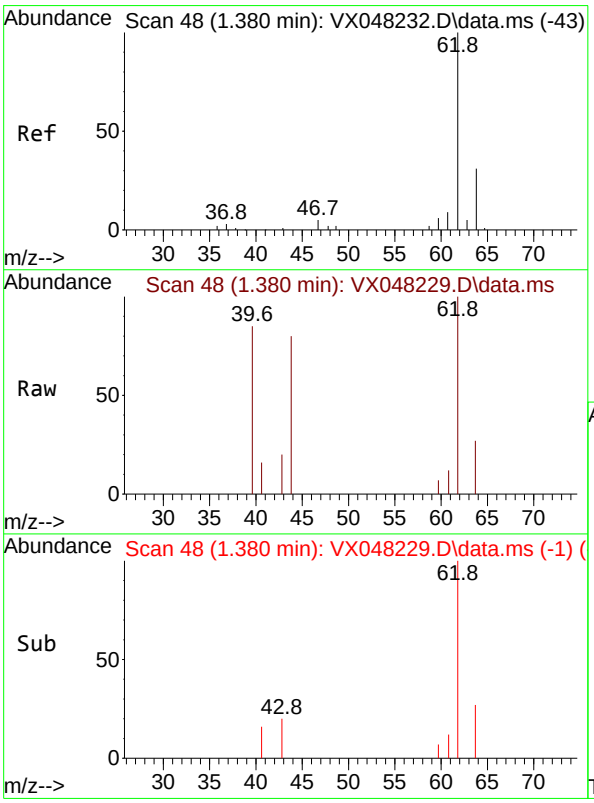
Ion	Ratio	Lower	Upper
50	100		
52	53.6	25.9	38.9#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

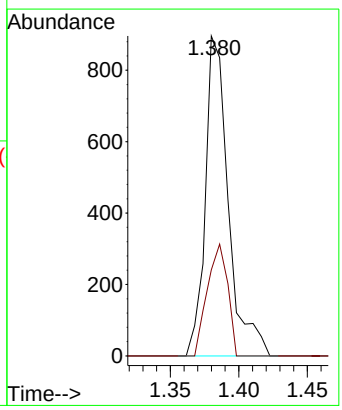
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

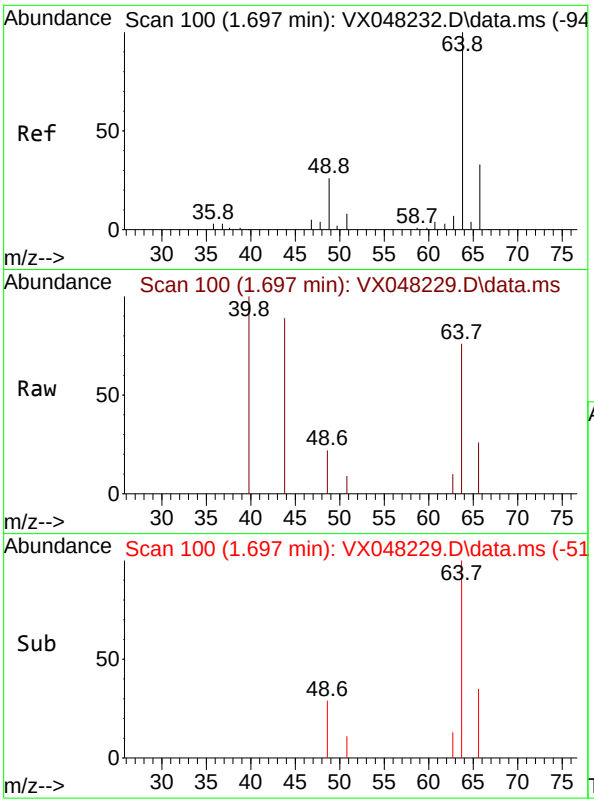


#4
Vinyl Chloride
Concen: 0.668 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 62 Resp: 1048

Ion	Ratio	Lower	Upper
62	100		
64	26.9	25.1	37.7

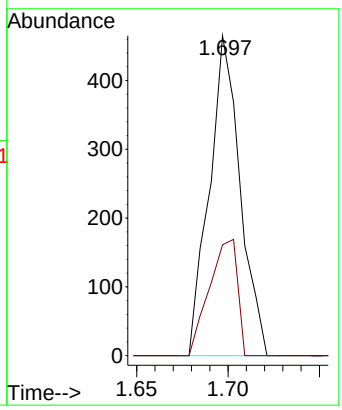




#6
Chloroethane
Concen: 0.546 ug/l
RT: 1.697 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 64 Resp: 54

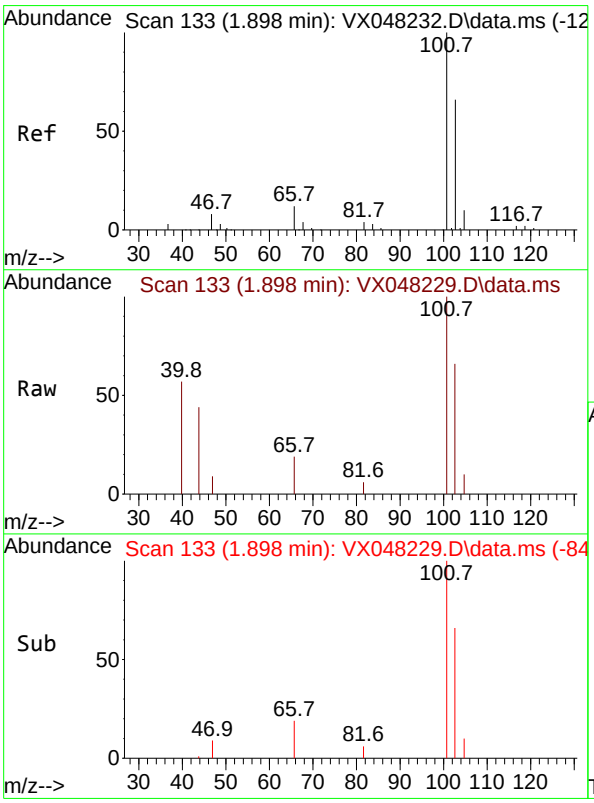
Ion	Ratio	Lower	Upper
64	100		
66	34.6	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

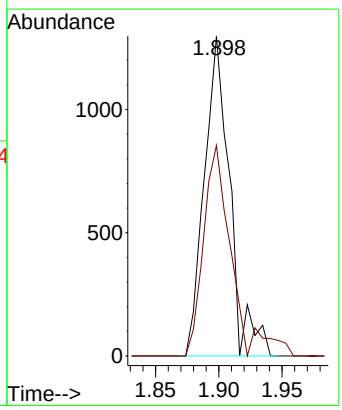
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

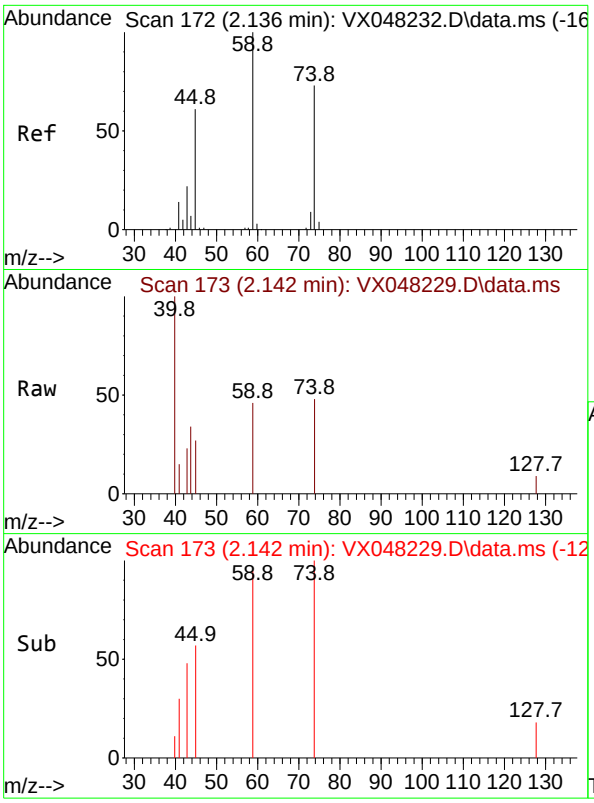


#7
Trichlorofluoromethane
Concen: 0.738 ug/l
RT: 1.898 min Scan# 133
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:101 Resp: 1819

Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.6	77.4





#8
Diethyl Ether
Concen: 0.645 ug/l
RT: 2.142 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

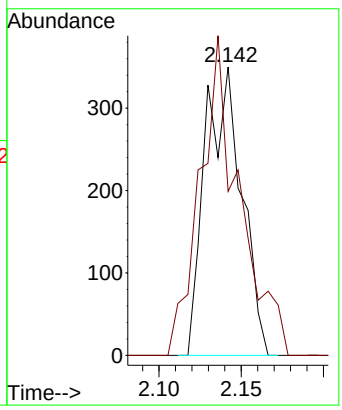
Tgt Ion: 74 Resp: 54

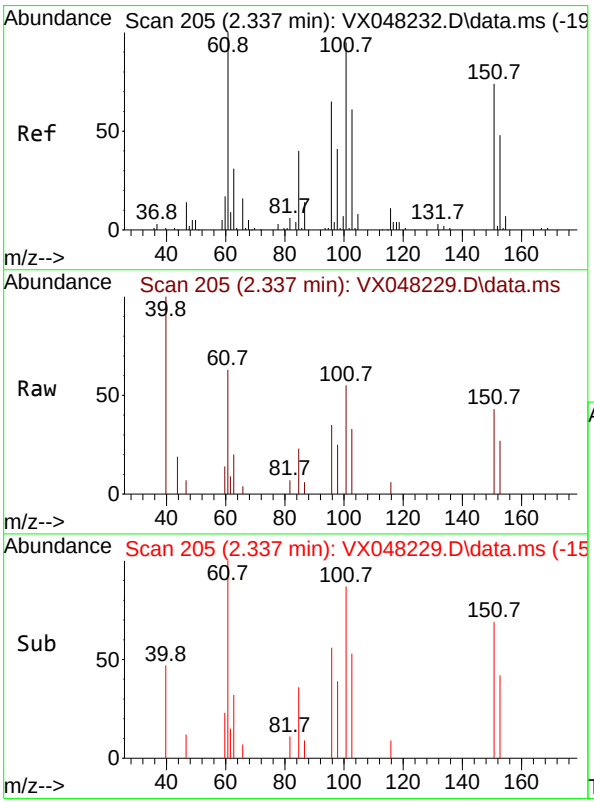
Ion	Ratio	Lower	Upper
74	100		
45	118.5	50.0	149.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

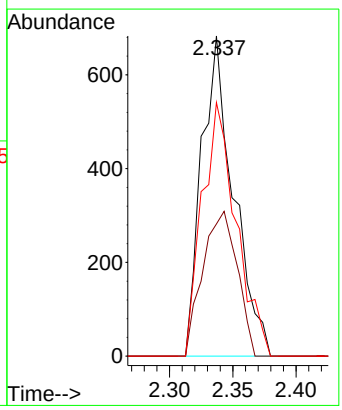


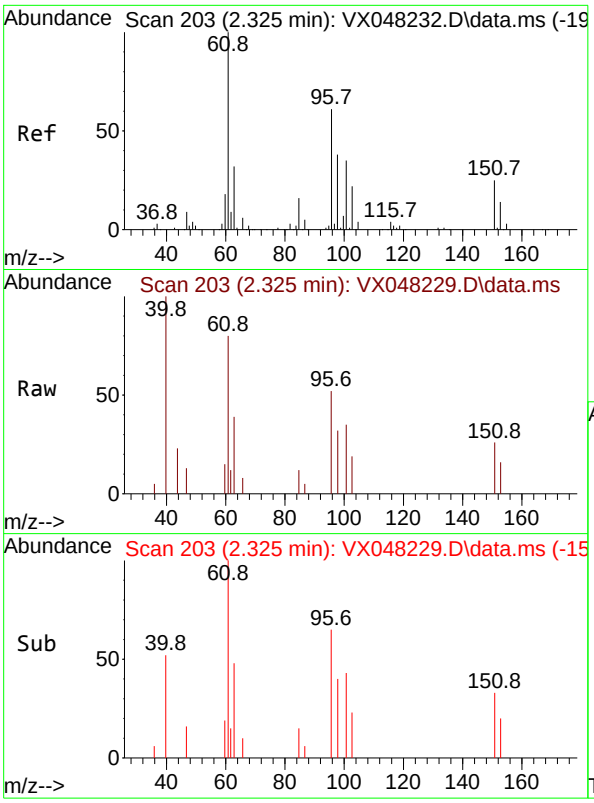


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.864 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:101 Resp: 1199

Ion	Ratio	Lower	Upper
101	100		
85	48.9	35.6	53.4
151	84.2	58.0	87.0

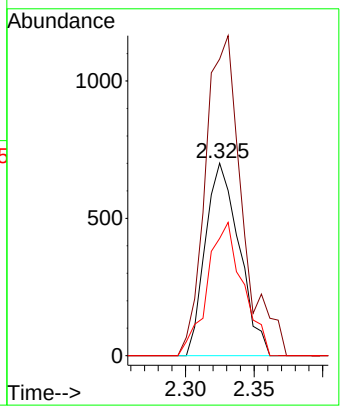




#12
1,1-Dichloroethene
Concen: 0.889 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 96 Resp: 120

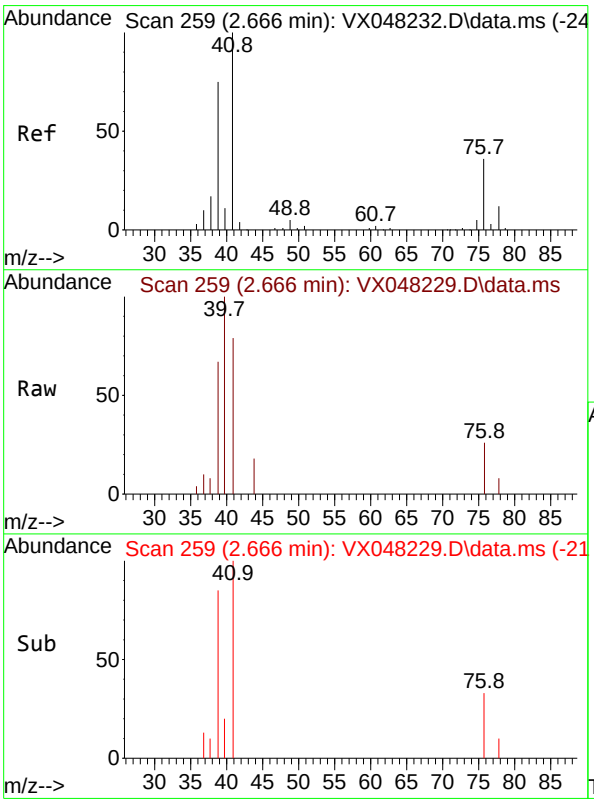
Ion	Ratio	Lower	Upper
96	100		
61	154.1	139.0	208.6
98	60.9	52.4	78.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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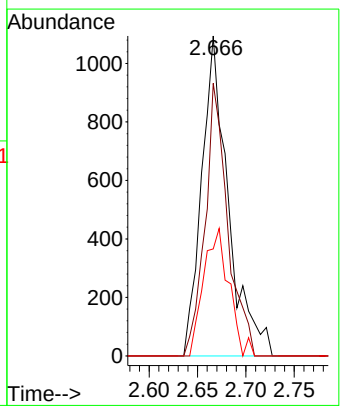
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

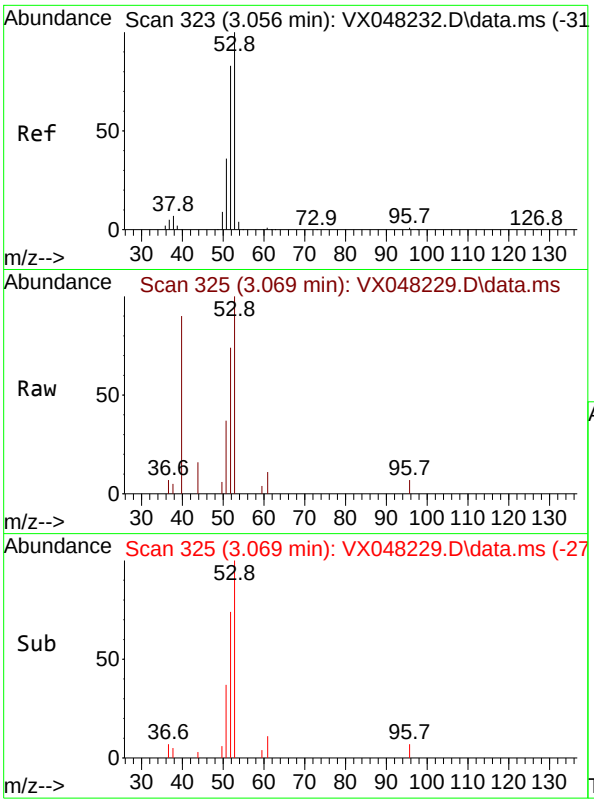


#14
Allyl chloride
Concen: 0.860 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 41 Resp: 2101

Ion	Ratio	Lower	Upper
41	100		
39	72.1	56.0	84.0
76	37.8	27.5	41.3

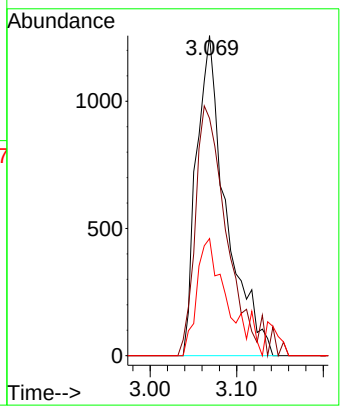




#15
Acrylonitrile
Concen: 5.171 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 53 Resp: 298

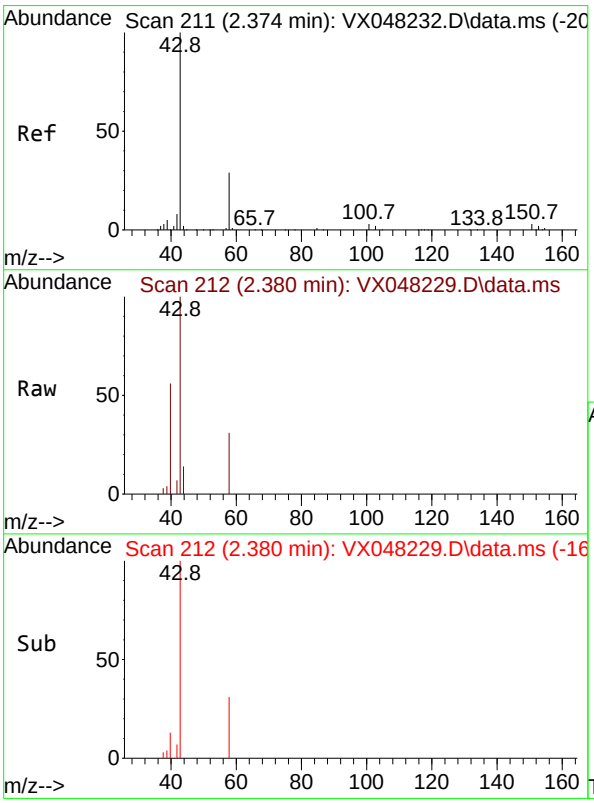
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.1	99.1
51	37.8	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

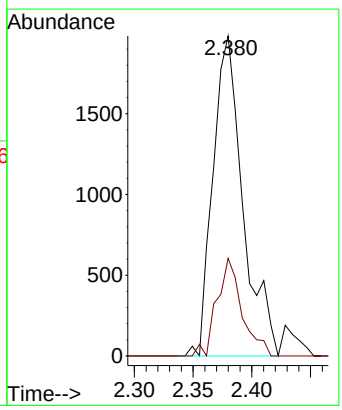
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

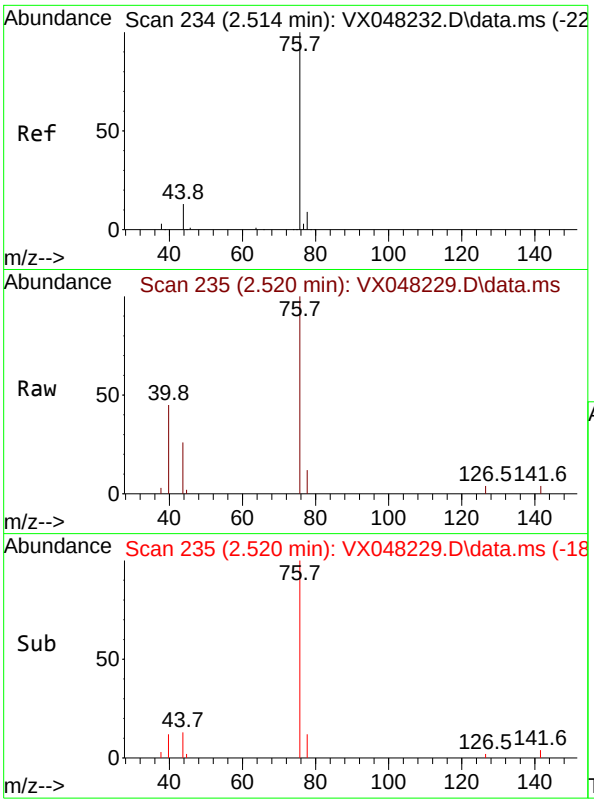


#16
Acetone
Concen: 5.684 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 3519

Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.4	35.2





#17
Carbon Disulfide
Concen: 1.141 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

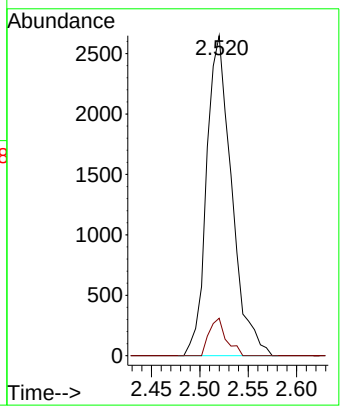
Tgt Ion: 76 Resp: 476

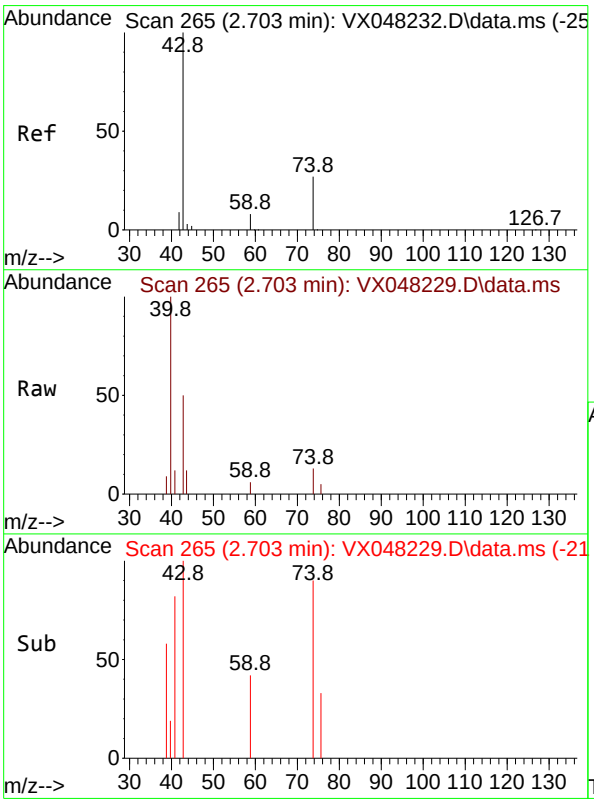
Ion	Ratio	Lower	Upper
76	100		
78	11.7	7.1	10.7#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

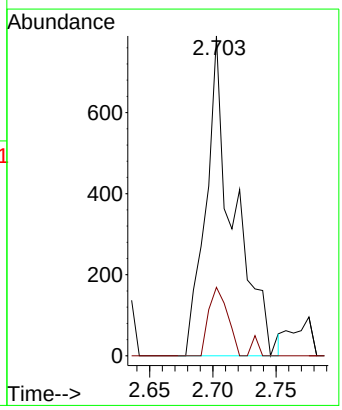


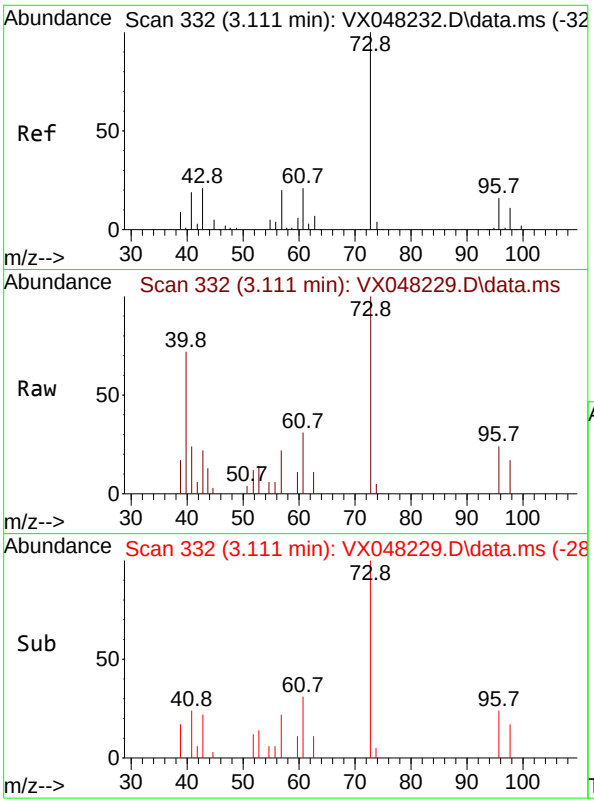


#18
Methyl Acetate
Concen: 0.955 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 1204

Ion	Ratio	Lower	Upper
43	100		
74	14.6	17.5	26.3#

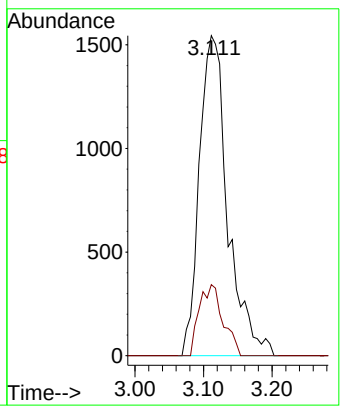




#19
Methyl tert-butyl Ether
Concen: 1.085 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 73 Resp: 443

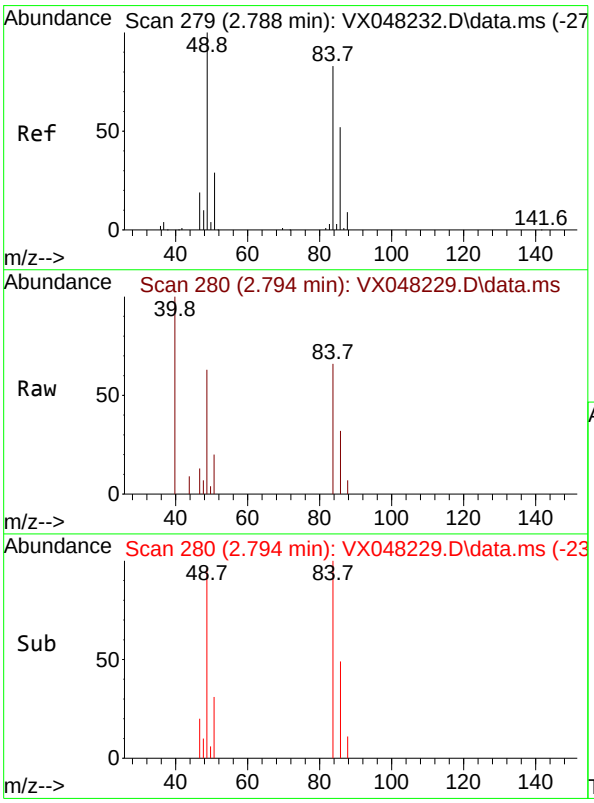
Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

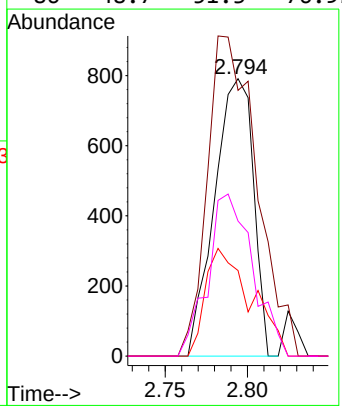
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

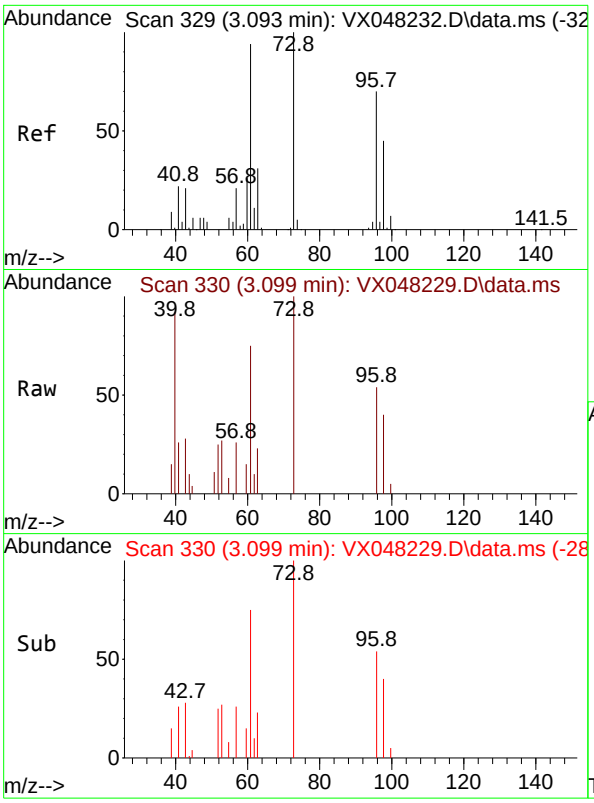


#20
Methylene Chloride
Concen: 0.863 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 84 Resp: 1301

Ion	Ratio	Lower	Upper
84	100		
49	95.8	104.1	156.1#
51	30.8	31.3	46.9#
86	48.7	51.3	76.9#

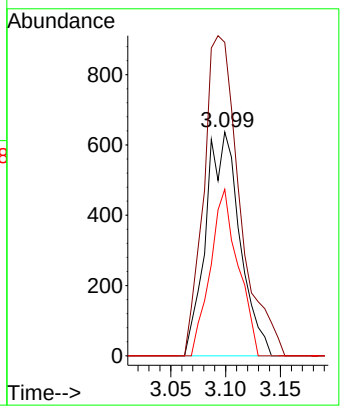




#21
trans-1,2-Dichloroethene
Concen: 0.980 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 96 Resp: 137

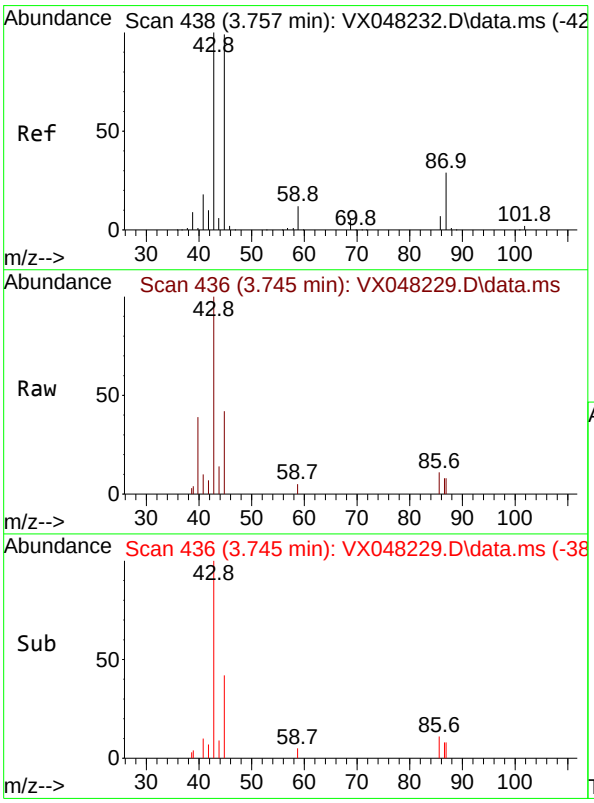
Ion	Ratio	Lower	Upper
96	100		
61	140.0	111.9	167.9
98	74.4	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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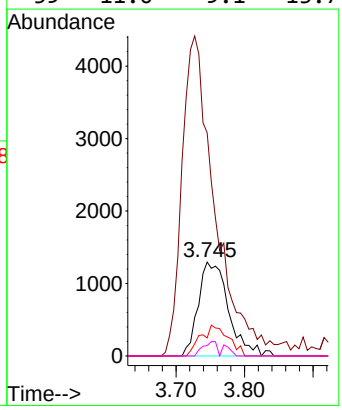
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

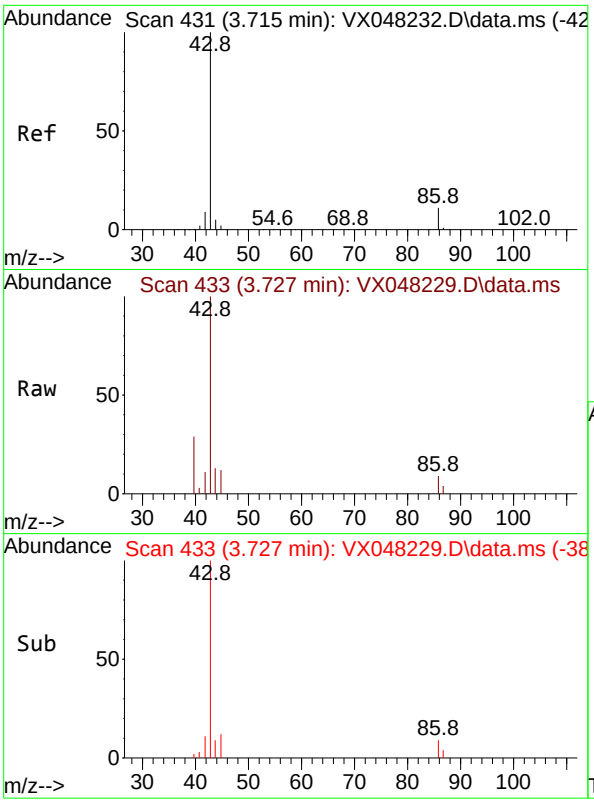


#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 45 Resp: 3977

Ion	Ratio	Lower	Upper
45	100		
43	213.9	89.8	134.8#
87	19.2	20.6	31.0#
59	11.0	9.1	13.7





#23
Vinyl Acetate
Concen: 4.131 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

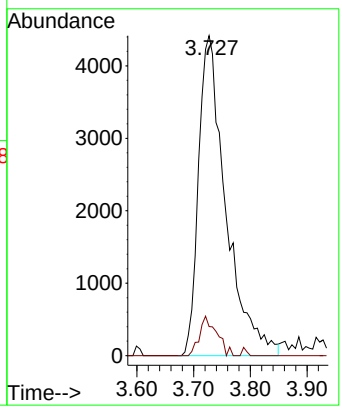
Tgt Ion: 43 Resp: 1476

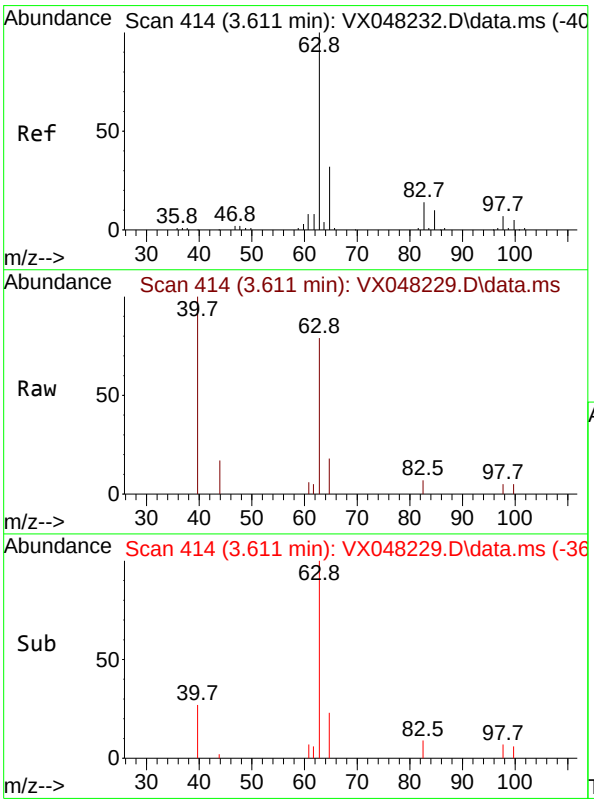
Ion	Ratio	Lower	Upper
43	100		
86	11.8	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

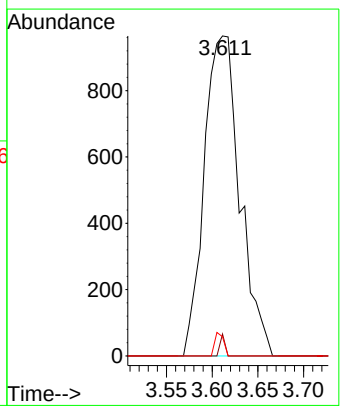


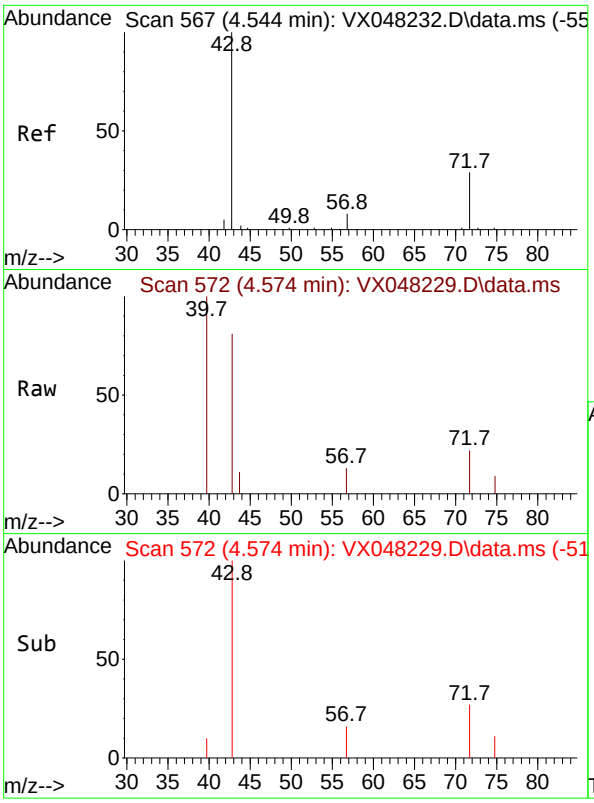


#24
1,1-Dichloroethane
Concen: 0.964 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 63 Resp: 2615

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	6.0	2.1	6.3





#25
2-Butanone
Concen: 5.043 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.037 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

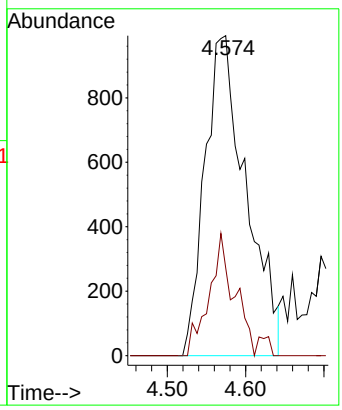
Tgt Ion: 43 Resp: 363

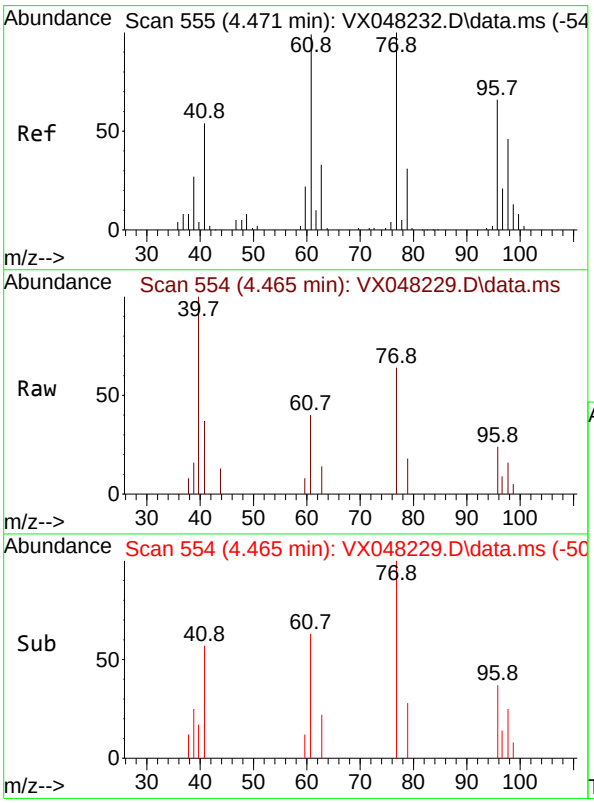
Ion	Ratio	Lower	Upper
43	100		
72	24.0	19.9	29.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

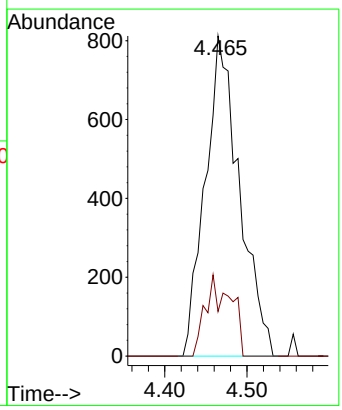


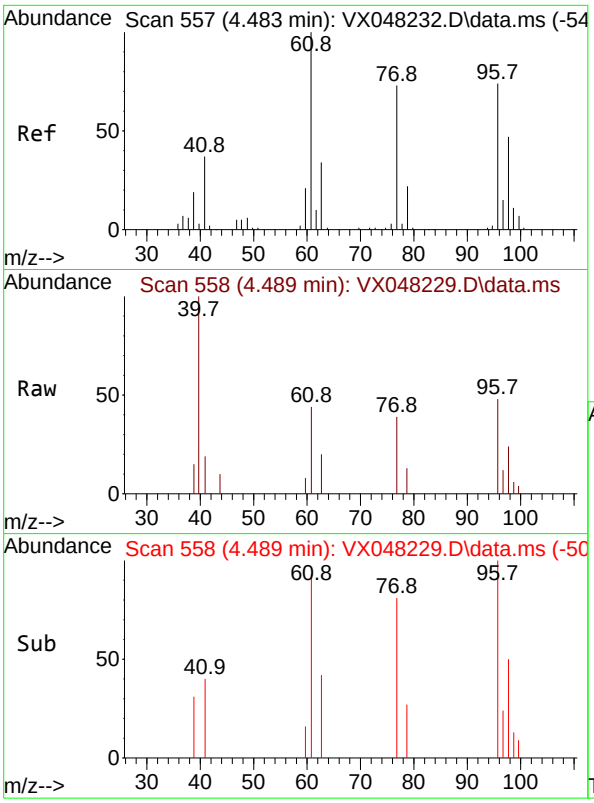


#26
2,2-Dichloropropane
Concen: 1.012 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 77 Resp: 2347

Ion	Ratio	Lower	Upper
77	100		
97	14.3	11.1	33.3

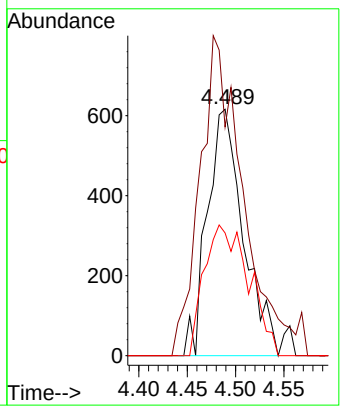




#27
cis-1,2-Dichloroethene
Concen: 0.959 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 96 Resp: 159

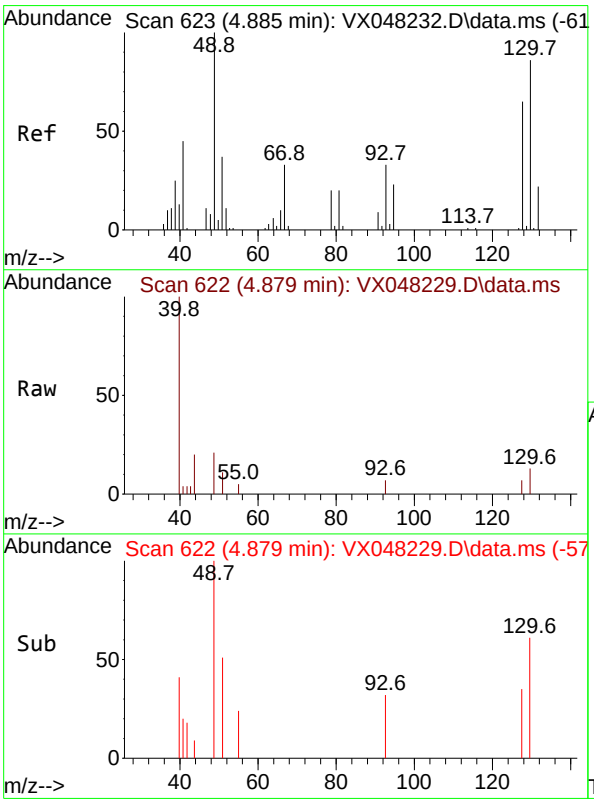
Ion	Ratio	Lower	Upper
96	100		
61	156.9	0.0	294.2
98	65.8	0.0	128.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

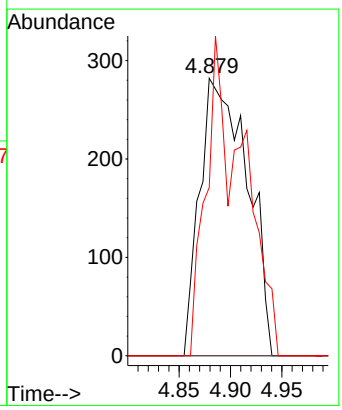
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

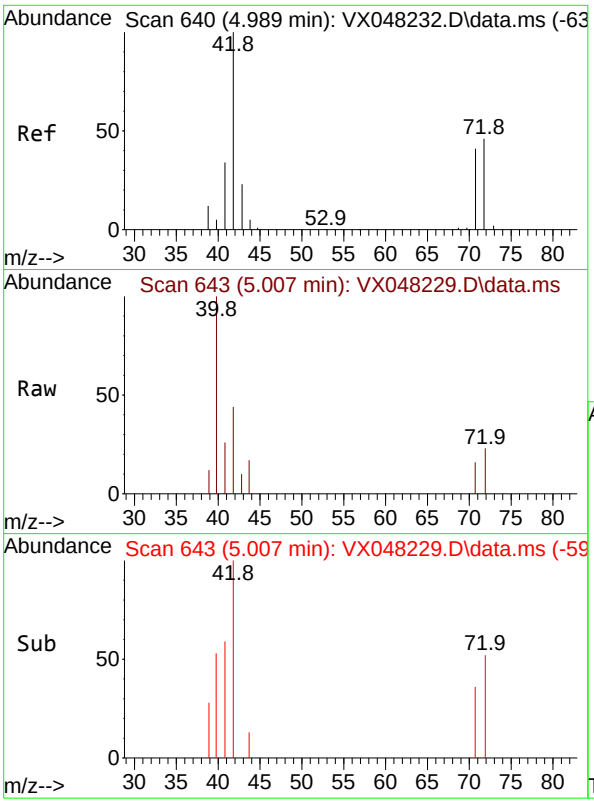


#28
Bromochloromethane
Concen: 0.726 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 49 Resp: 908

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	47.0	59.3	88.9#





#29
Tetrahydrofuran
Concen: 4.929 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

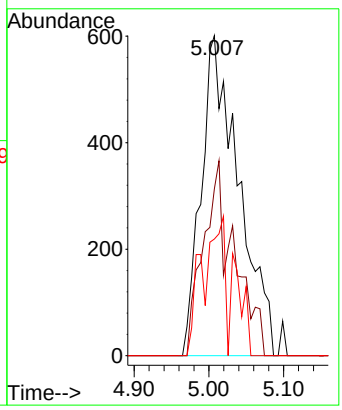
Tgt Ion: 42 Resp: 208

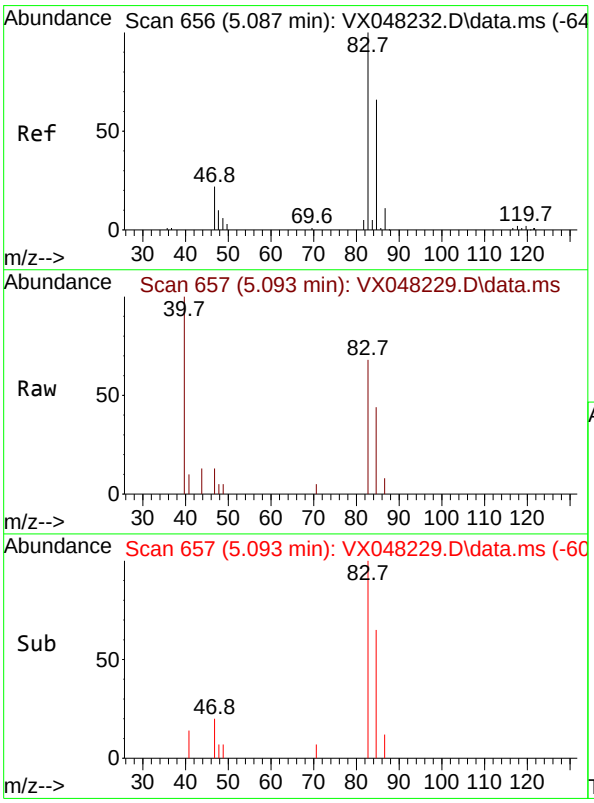
Ion	Ratio	Lower	Upper
42	100		
72	34.1	35.3	52.9#
71	16.2	32.2	48.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

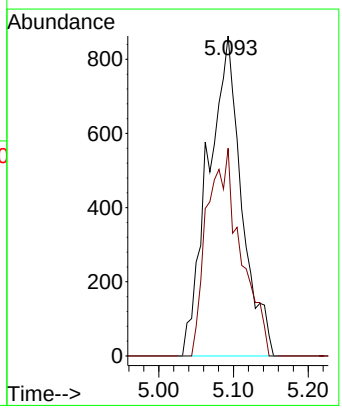


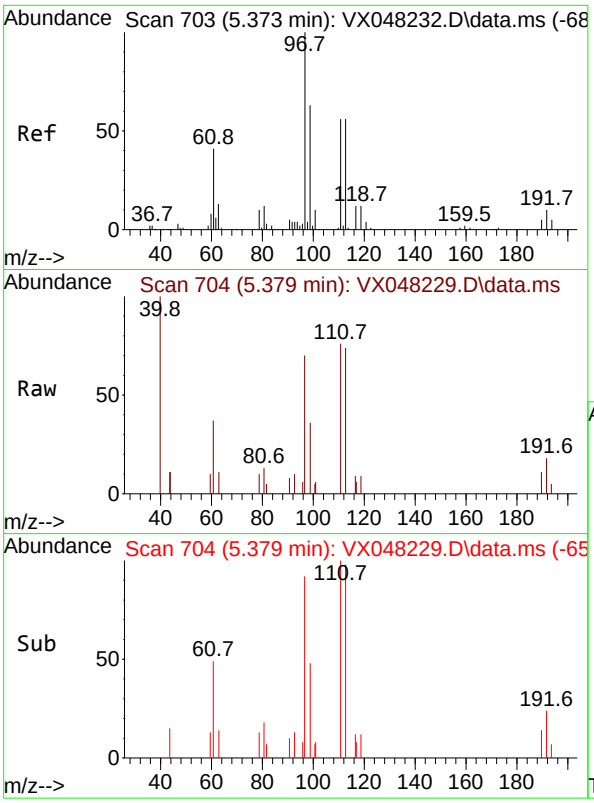


#30
Chloroform
Concen: 0.941 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 83 Resp: 2688

Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.1	75.1





#32
1,1,1-Trichloroethane
Concen: 1.048 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

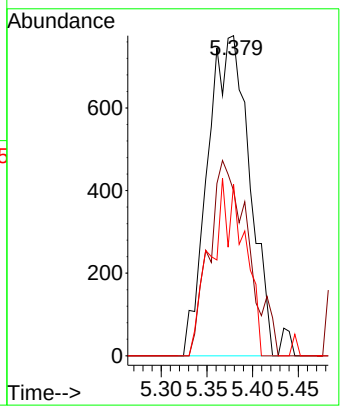
Tgt Ion: 97 Resp: 245

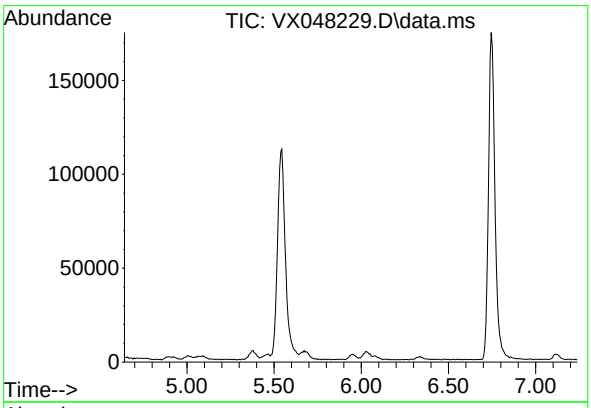
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	44.9	34.8	52.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



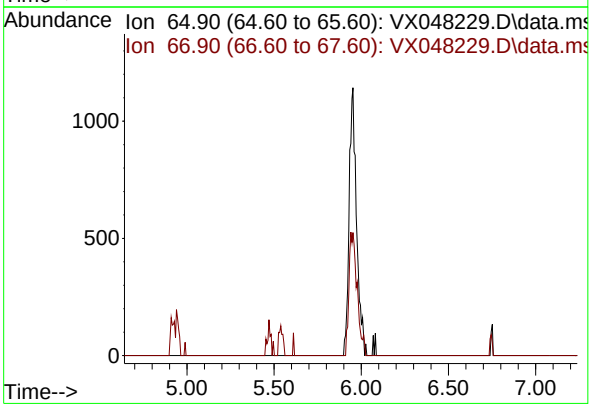


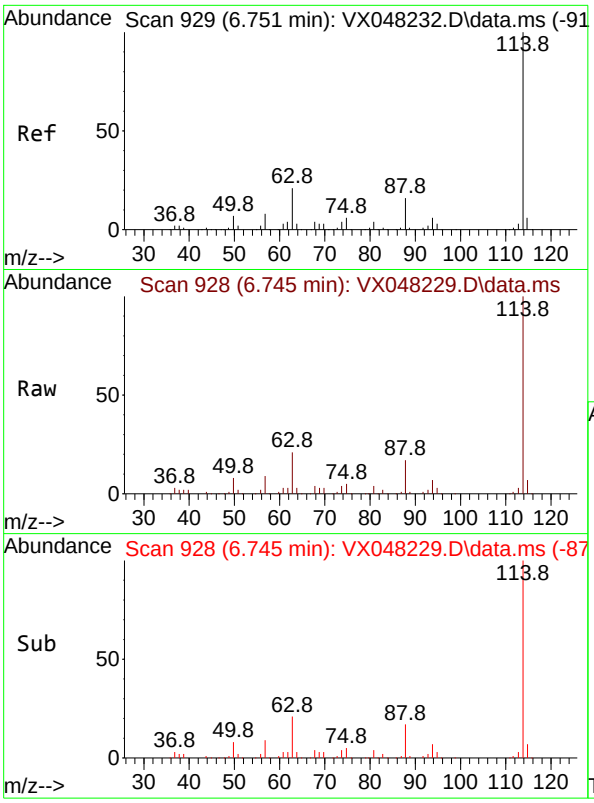
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.94 min

Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	52.5





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

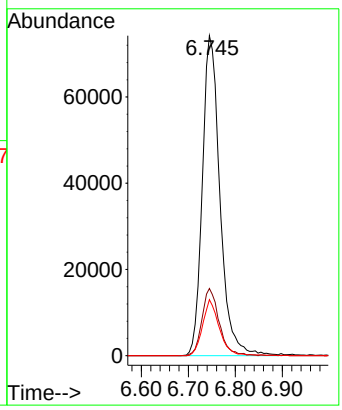
Tgt Ion:114 Resp: 19318

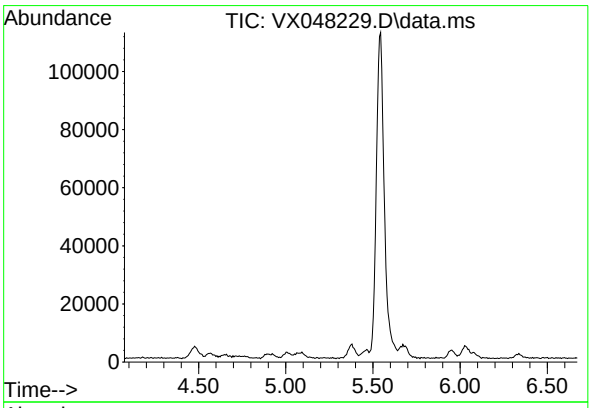
Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.2
88	17.5	0.0	33.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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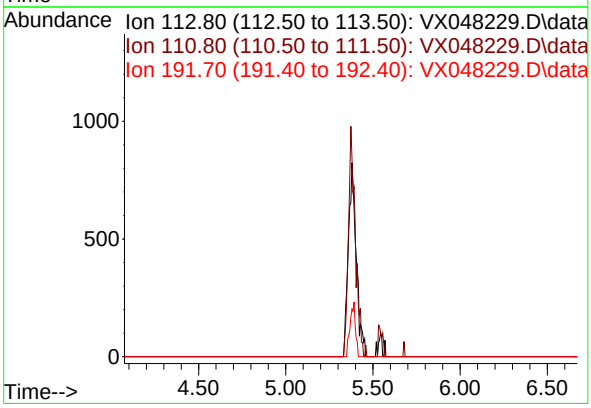


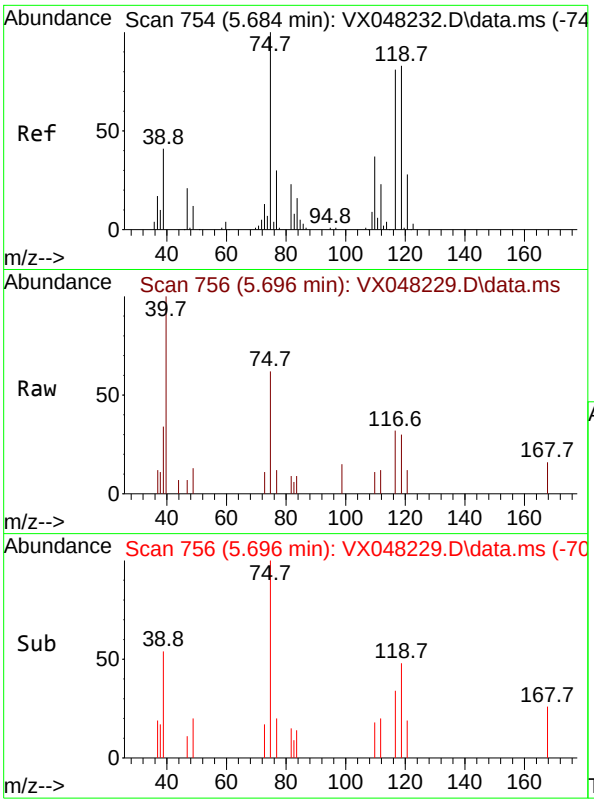
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.37 min

Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	102.8
192	18.9

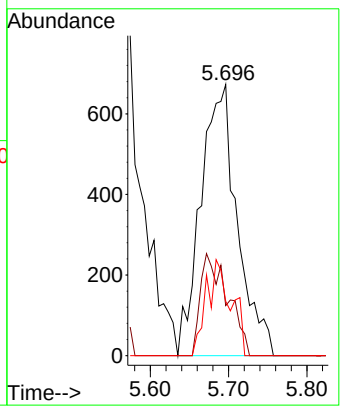




#36
1,1-Dichloropropene
Concen: 1.151 ug/l
RT: 5.696 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 75 Resp: 217

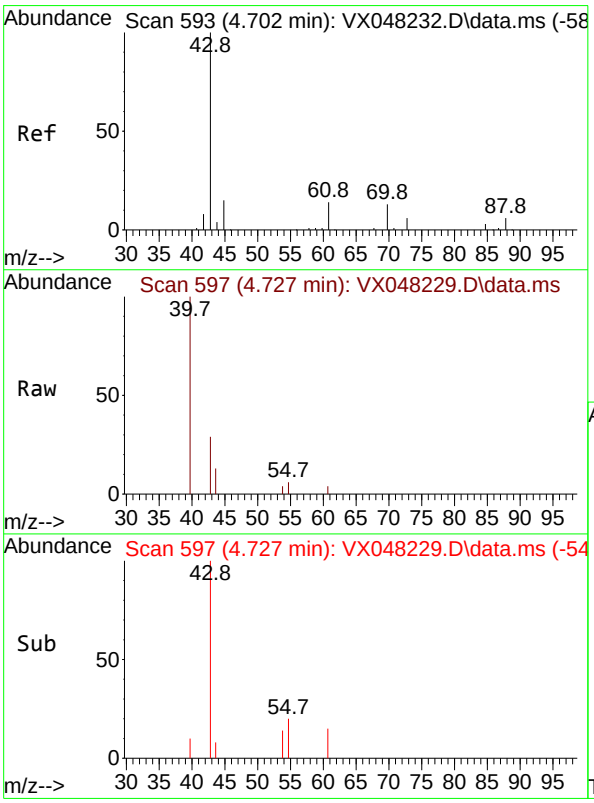
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.7	53.1#
77	23.9	24.3	36.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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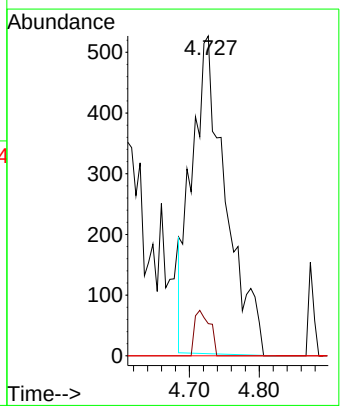
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

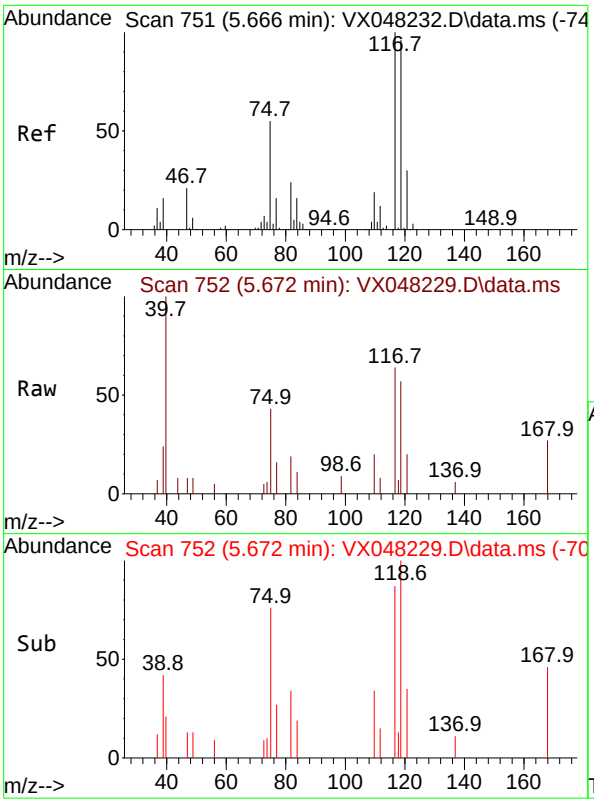


#37
Ethyl Acetate
Concen: 1.174 ug/l m
RT: 4.727 min Scan# 597
Delta R.T. 0.031 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 1772

Ion	Ratio	Lower	Upper
43	100		
61	6.4	10.6	15.8#
70	0.0	7.8	11.6#

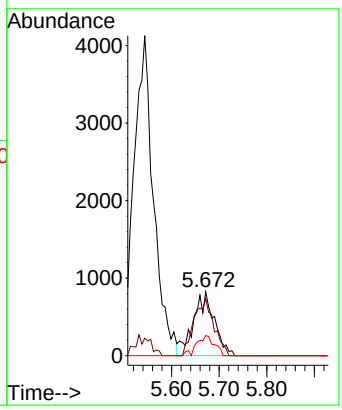




#38
Carbon Tetrachloride
Concen: 1.159 ug/l m
RT: 5.672 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:117 Resp: 251

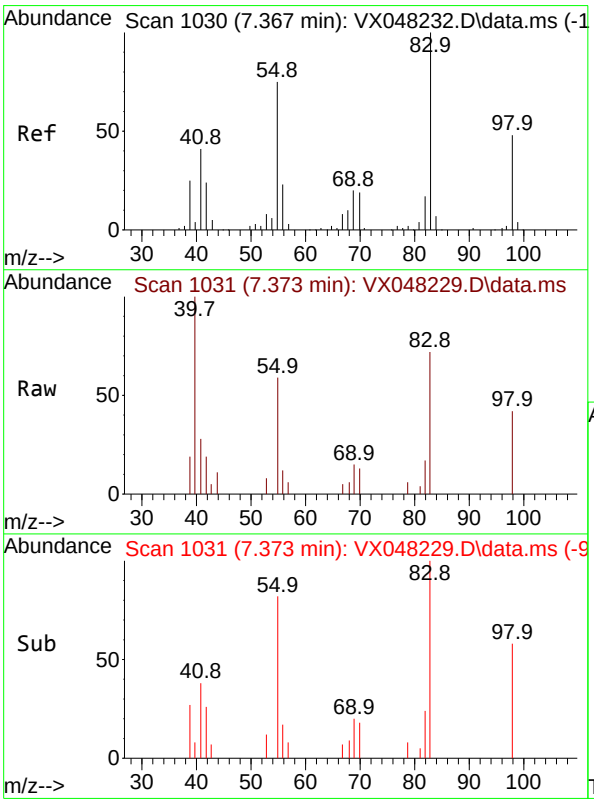
Ion	Ratio	Lower	Upper
117	100		
119	89.4	77.2	115.8
121	31.5	24.8	37.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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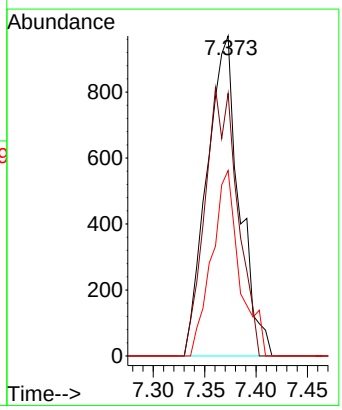
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

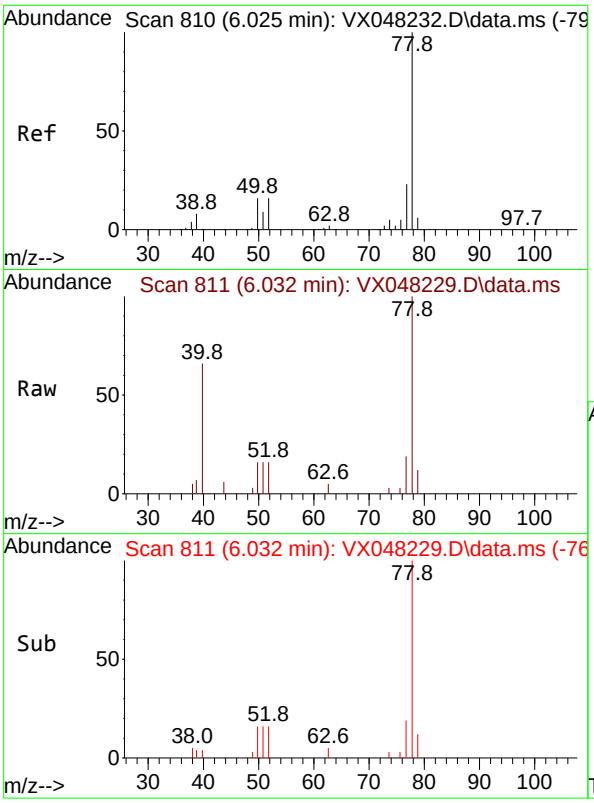


#39
Methylcyclohexane
Concen: 0.999 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 83 Resp: 2128

Ion	Ratio	Lower	Upper
83	100		
55	82.1	66.2	99.2
98	57.9	38.9	58.3





#40
Benzene
Concen: 1.028 ug/l
RT: 6.032 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

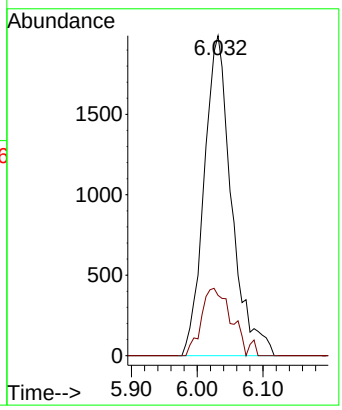
Tgt Ion: 78 Resp: 576

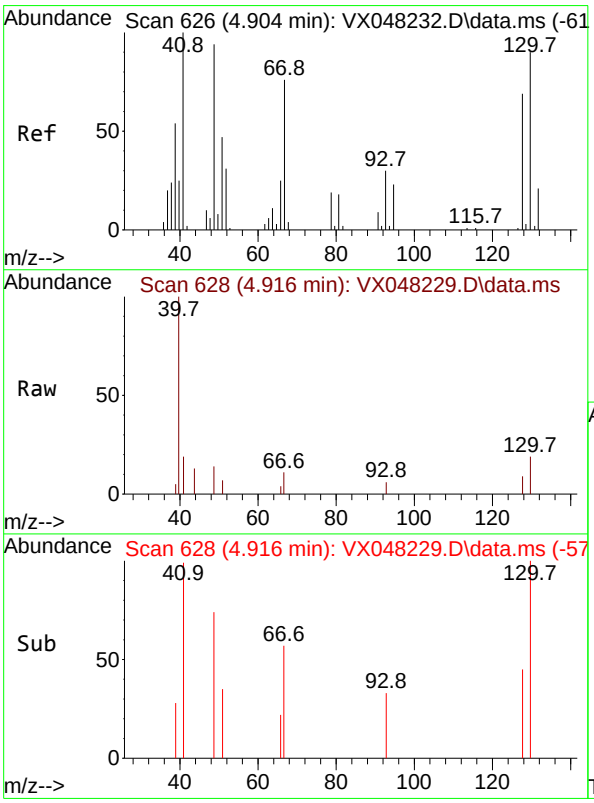
Ion	Ratio	Lower	Upper
78	100		
77	18.9	19.3	28.9#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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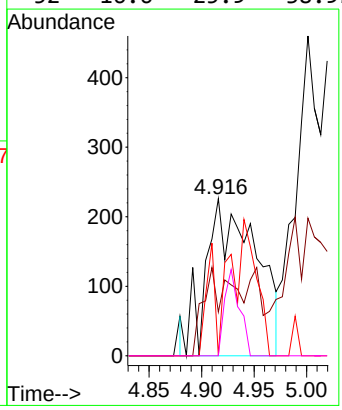


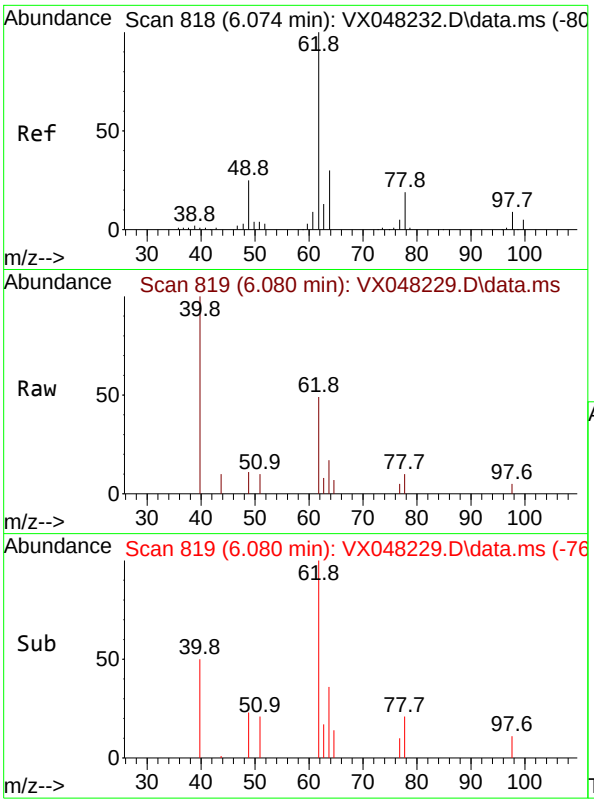


#41
Methacrylonitrile
Concen: 0.917 ug/l m
RT: 4.916 min Scan# 628
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 41 Resp: 741

Ion	Ratio	Lower	Upper
41	100		
39	17.0	44.0	66.0#
67	12.3	58.7	88.1#
52	16.6	25.9	38.9#





#42
1,2-Dichloroethane
Concen: 1.017 ug/l
RT: 6.080 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

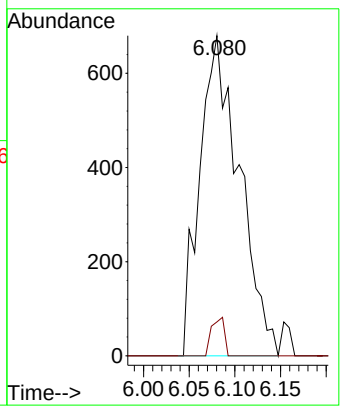
Tgt Ion: 62 Resp: 204

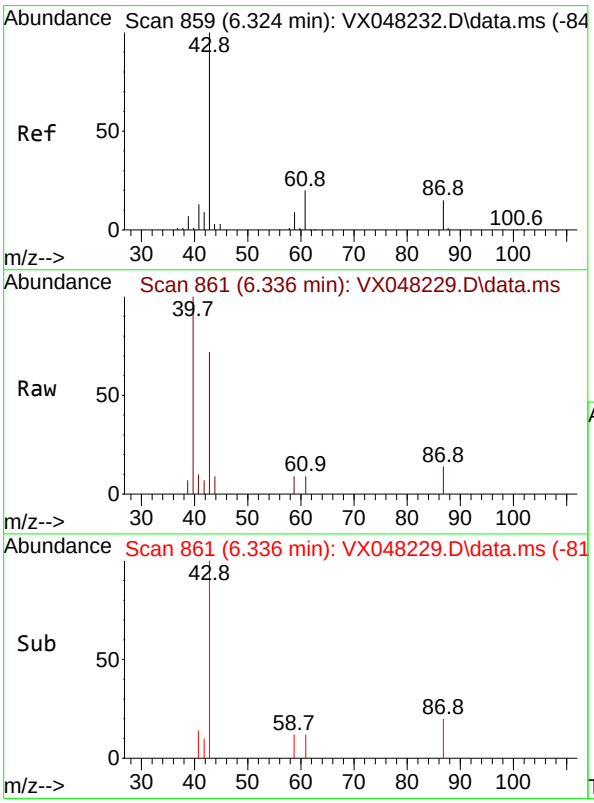
Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	17.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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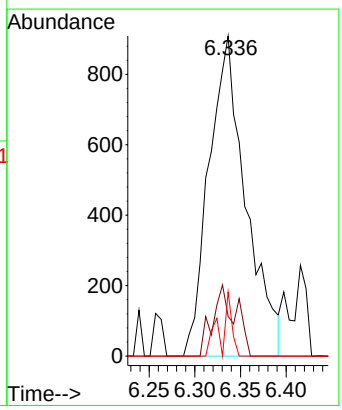


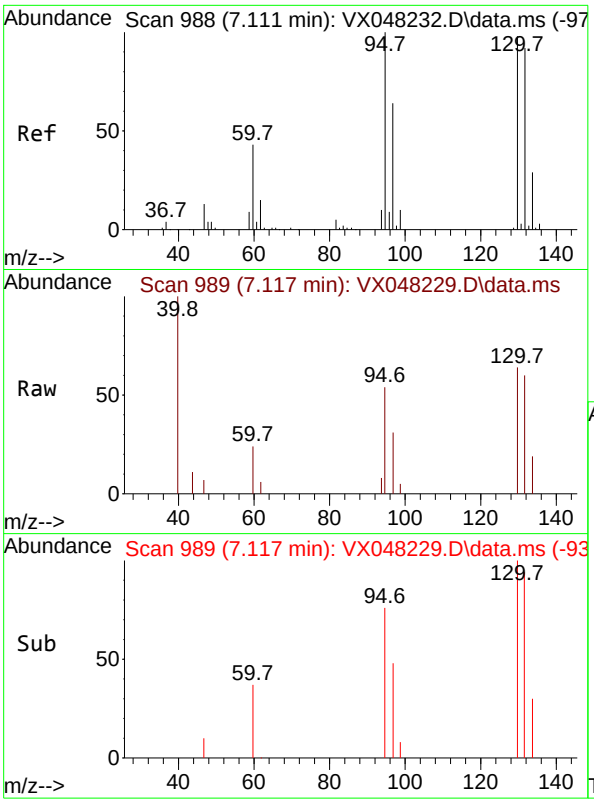


#43
Isopropyl Acetate
Concen: 1.006 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 2548

Ion	Ratio	Lower	Upper
43	100		
61	13.8	14.9	22.3#
87	3.4	9.4	14.2#

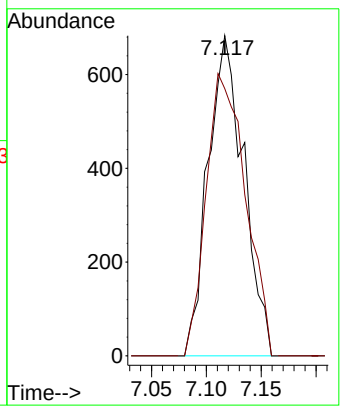




#44
Trichloroethene
Concen: 1.094 ug/l
RT: 7.117 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:130 Resp: 154

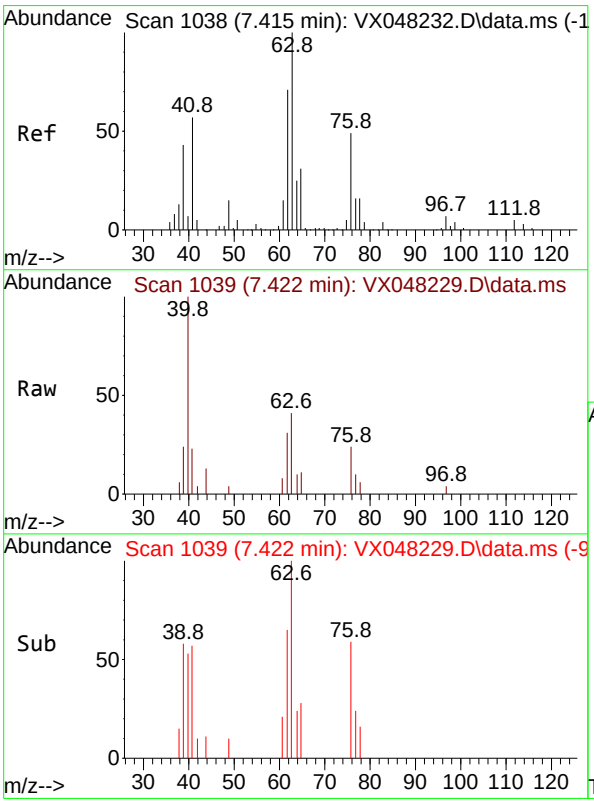
Ion	Ratio	Lower	Upper
130	100		
95	83.5	0.0	200.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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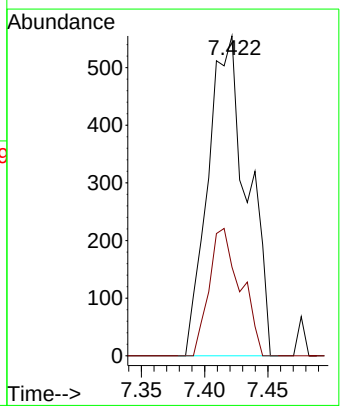
Reviewed By :John Carlone 10/21/2025
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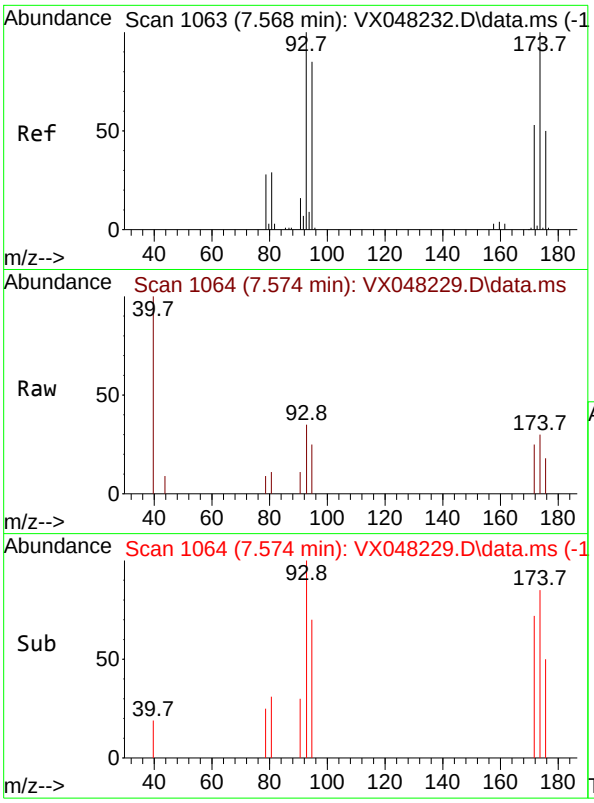


#45
1,2-Dichloropropane
Concen: 0.842 ug/l
RT: 7.422 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 63 Resp: 1195

Ion	Ratio	Lower	Upper
63	100		
65	27.7	24.1	36.1

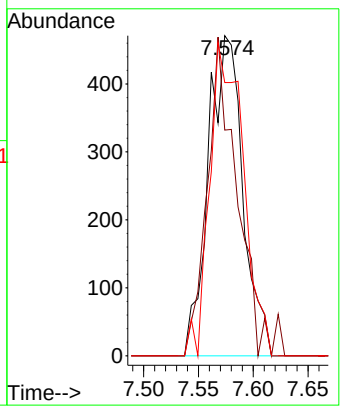




#46
Dibromomethane
Concen: 1.011 ug/l
RT: 7.574 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 93 Resp: 103

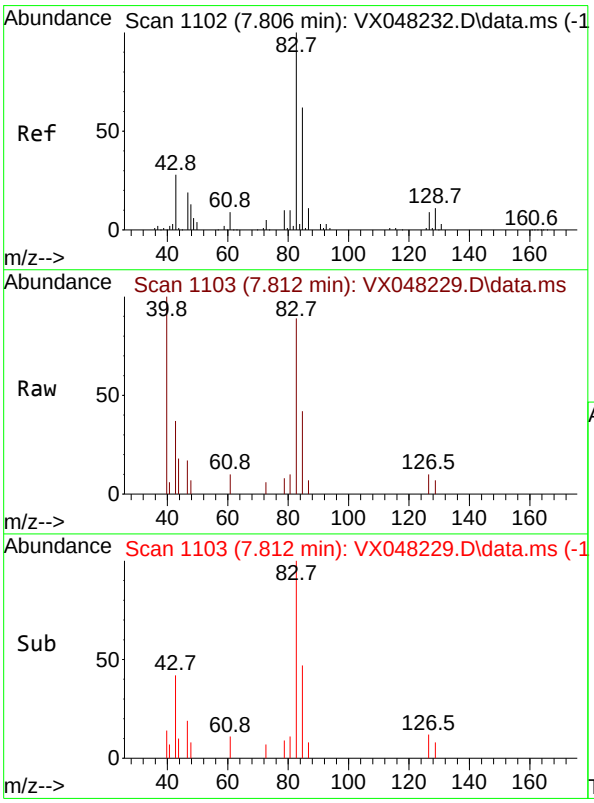
Ion	Ratio	Lower	Upper
93	100		
95	86.4	65.9	98.9
174	95.3	71.7	107.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

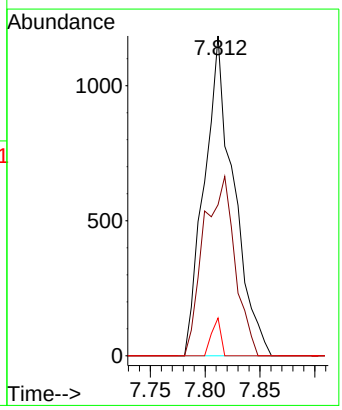
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

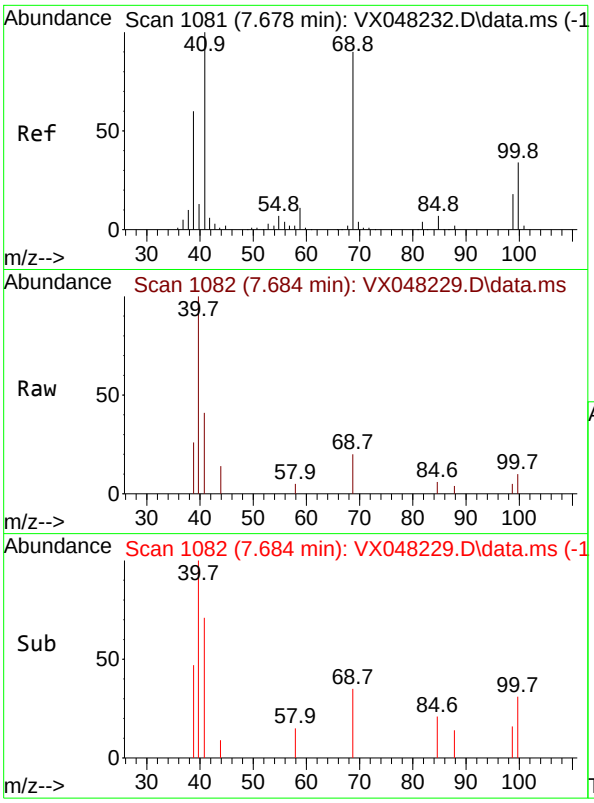


#47
Bromodichloromethane
Concen: 0.999 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 83 Resp: 2204

Ion	Ratio	Lower	Upper
83	100		
85	47.2	52.2	78.4#
127	11.8	7.3	10.9#





#48
Methyl methacrylate
Concen: 0.989 ug/l
RT: 7.684 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

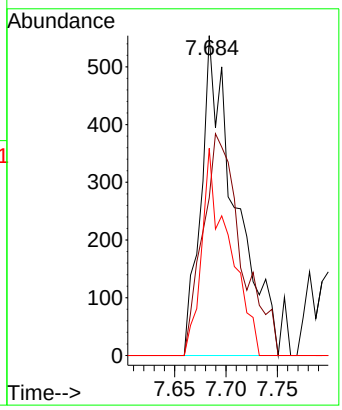
Tgt Ion: 41 Resp: 128

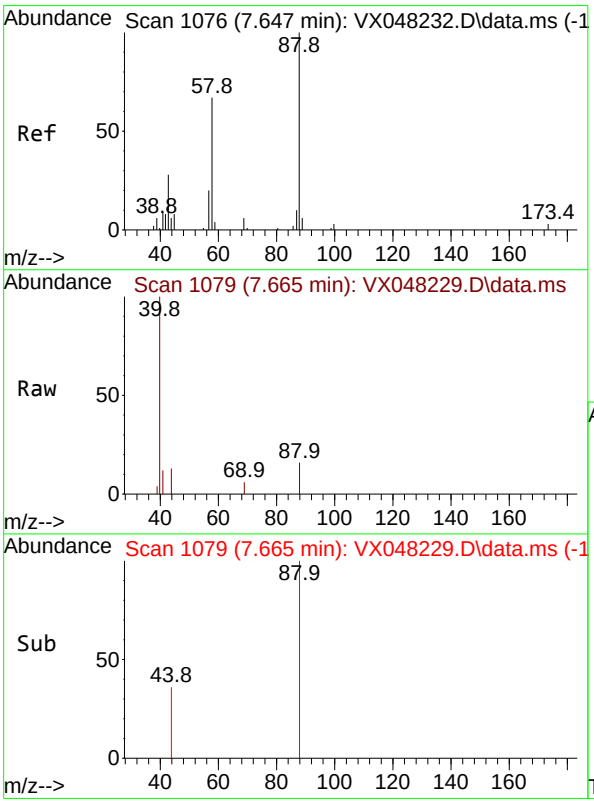
Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.4	95.0
39	51.7	47.1	70.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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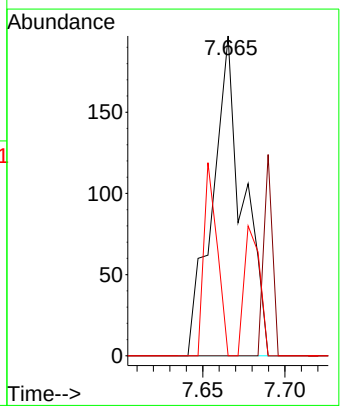


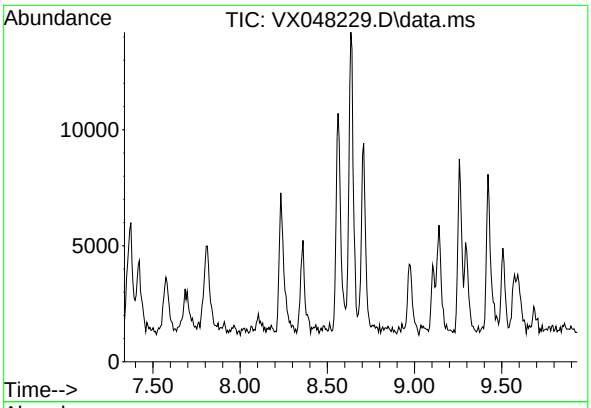


#49
1,4-Dioxane
Concen: 21.840 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.024 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 88 Resp: 255

Ion	Ratio	Lower	Upper
88	100		
43	0.0	35.0	52.4#
58	20.8	61.9	92.9#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.63 min

Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

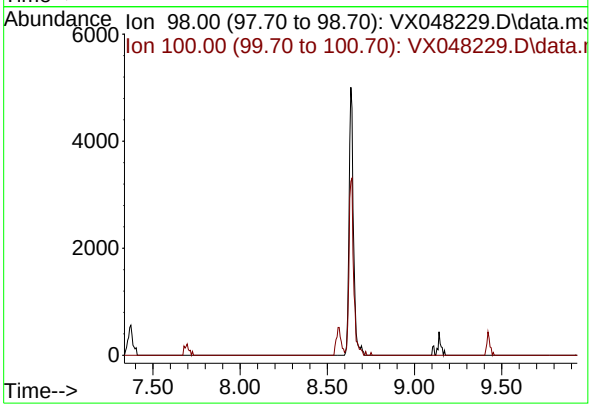
Tgt Ion: 98

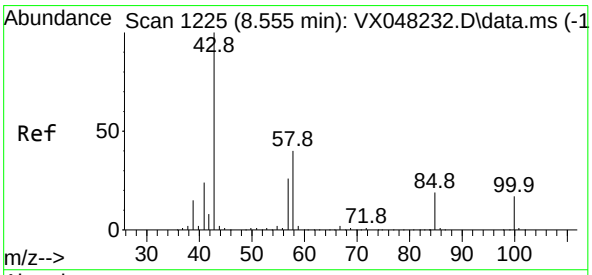
Sig	Exp Ratio
98	100
100	66.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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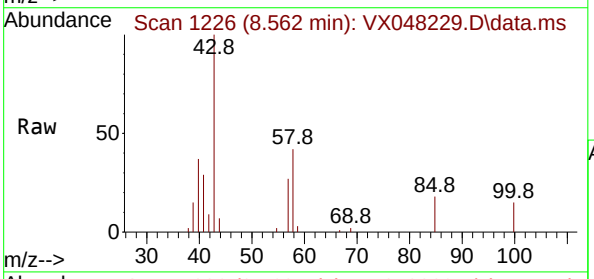


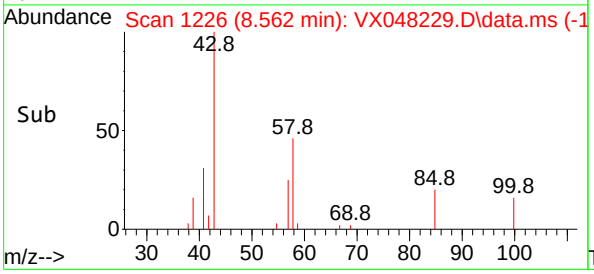


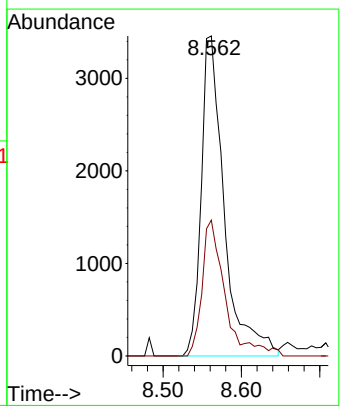
#51
4-Methyl-2-Pentanone
Concen: 5.011 ug/l
RT: 8.562 min Scan# 1226
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

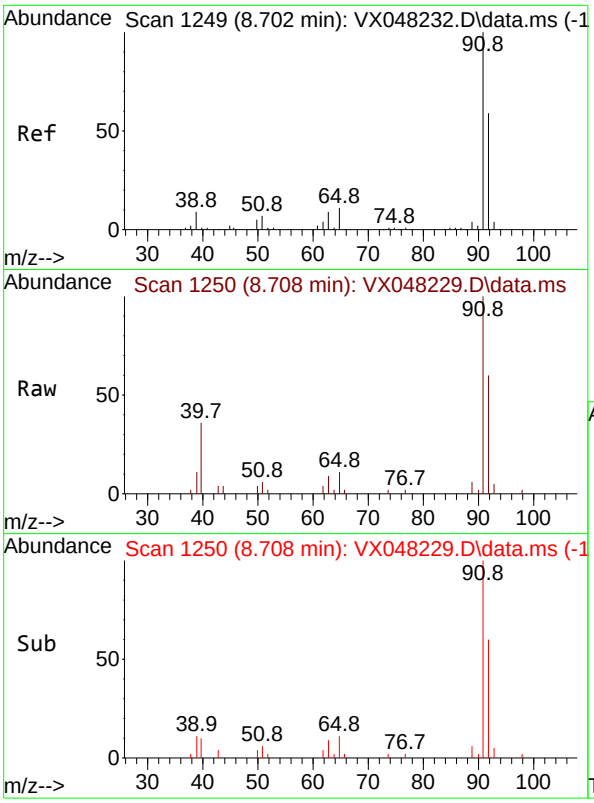
Tgt Ion: 43 Resp: 7066

Ion	Ratio	Lower	Upper
43	100		
58	42.1	29.5	44.3





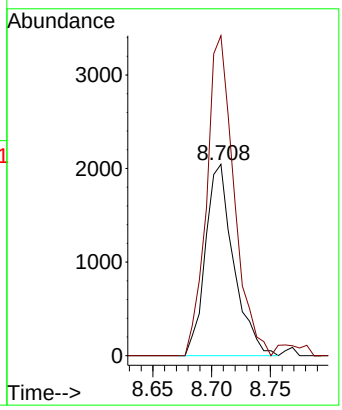




#52
Toluene
Concen: 1.010 ug/l
RT: 8.708 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 92 Resp: 340

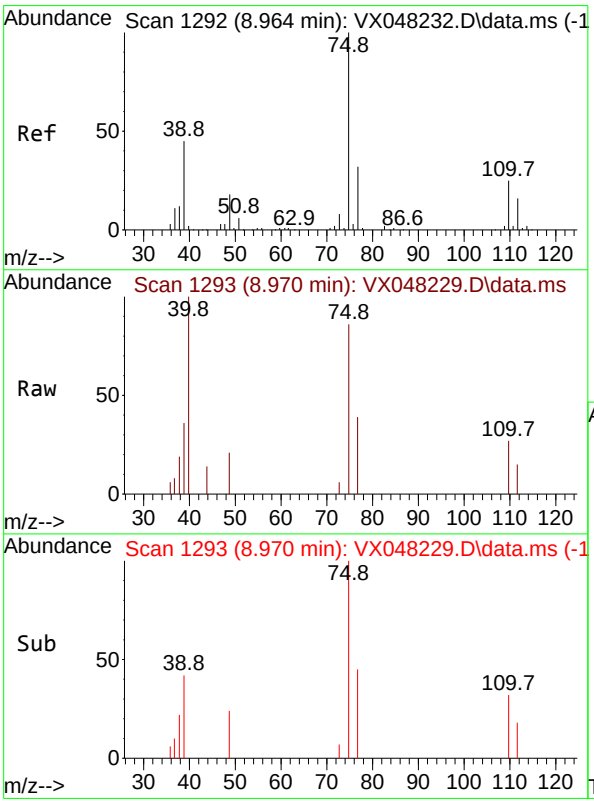
Ion	Ratio	Lower	Upper
92	100		
91	162.8	136.1	204.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

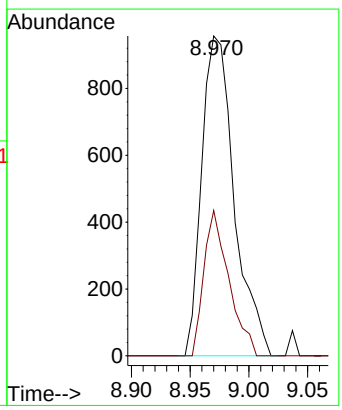
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

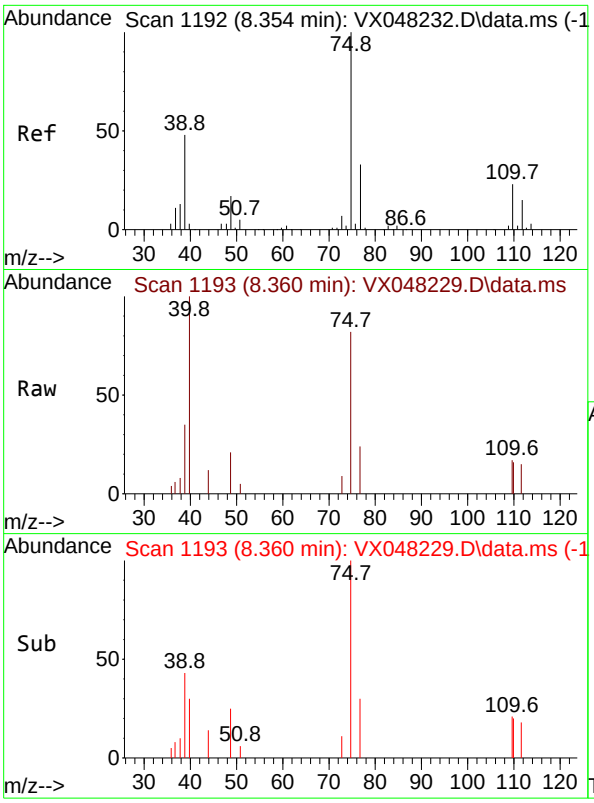


#53
t-1,3-Dichloropropene
Concen: 0.892 ug/l
RT: 8.970 min Scan# 1293
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 75 Resp: 1844

Ion	Ratio	Lower	Upper
75	100		
77	45.5	25.0	37.6#

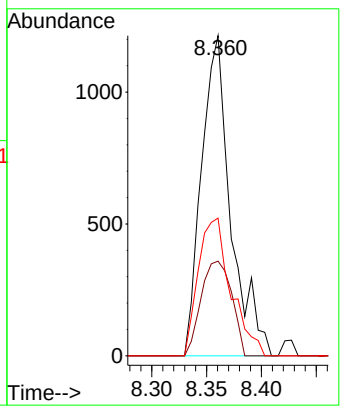




#54
cis-1,3-Dichloropropene
Concen: 0.998 ug/l
RT: 8.360 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 75 Resp: 225

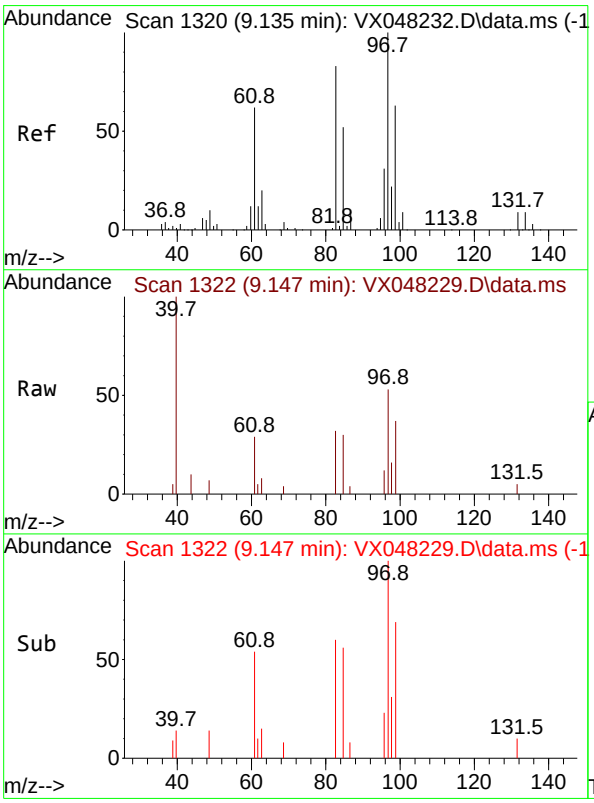
Ion	Ratio	Lower	Upper
75	100		
77	29.6	24.9	37.3
39	43.0	42.6	64.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

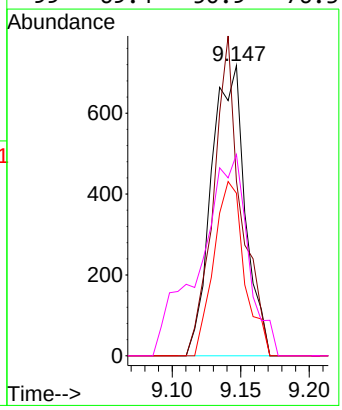
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

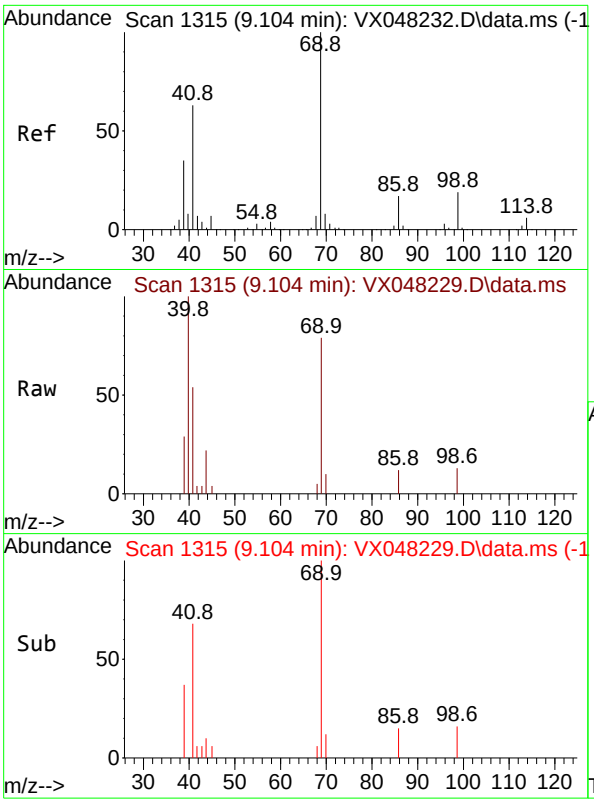


#55
1,1,2-Trichloroethane
Concen: 0.977 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 97 Resp: 1229

Ion	Ratio	Lower	Upper
97	100		
83	60.2	70.6	105.8#
85	56.0	45.0	67.6
99	69.4	50.9	76.3

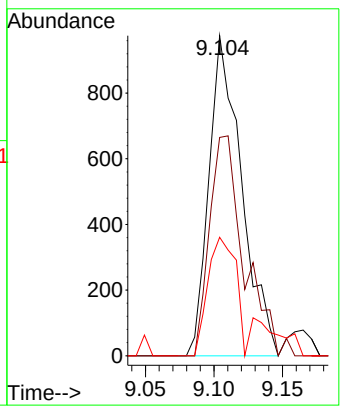




#56
Ethyl methacrylate
Concen: 0.945 ug/l
RT: 9.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 69 Resp: 161

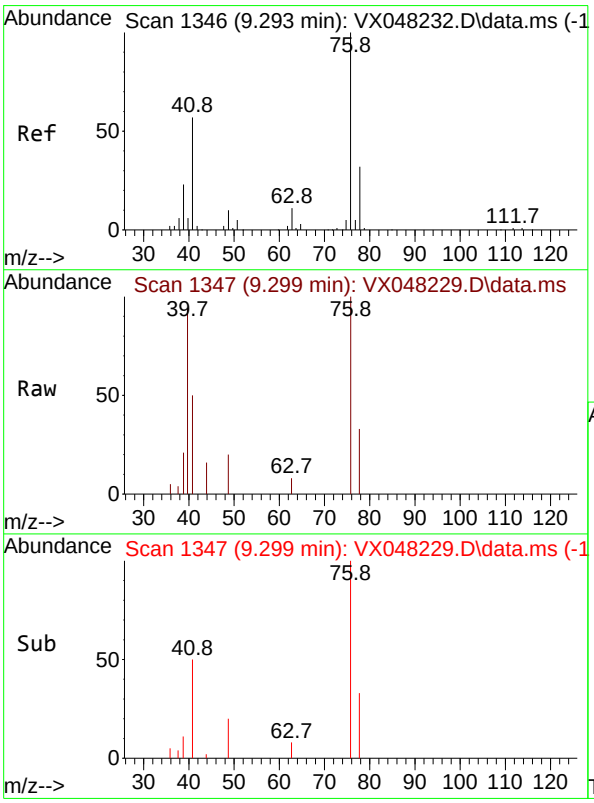
Ion	Ratio	Lower	Upper
69	100		
41	73.0	56.0	84.0
39	36.5	31.6	47.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

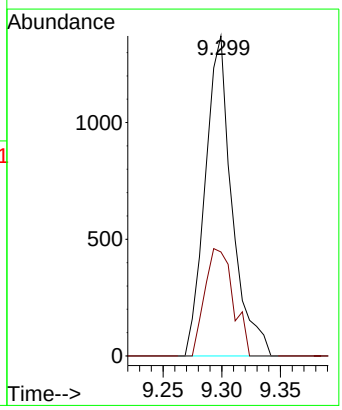
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

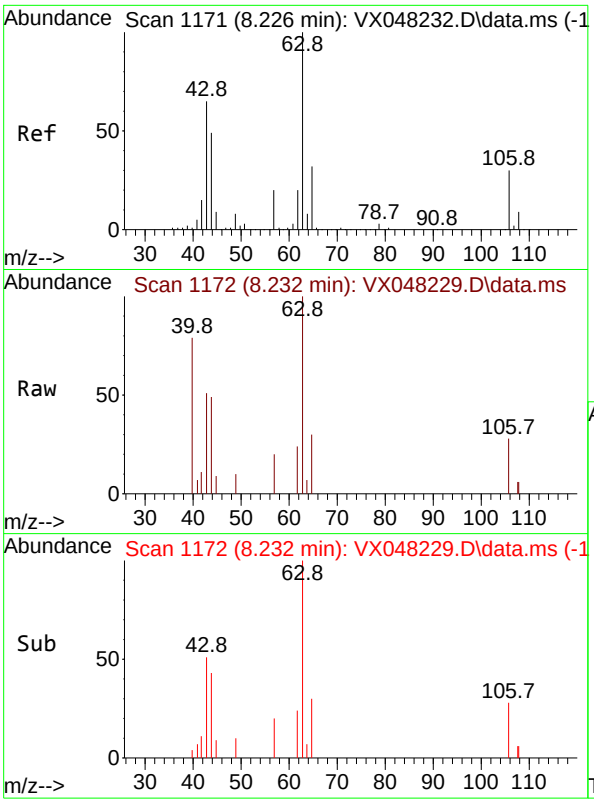


#57
1,3-Dichloropropane
Concen: 0.989 ug/l
RT: 9.299 min Scan# 1347
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 76 Resp: 2174

Ion	Ratio	Lower	Upper
76	100		
78	35.5	25.4	38.0

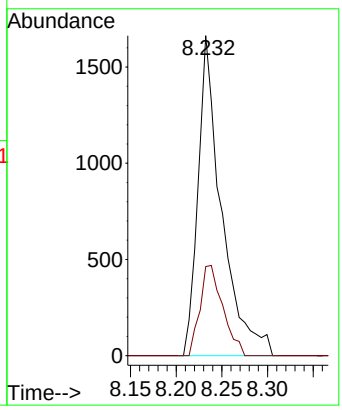




#58
2-Chloroethyl Vinyl ether
Concen: 3.381 ug/l
RT: 8.232 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 63 Resp: 297

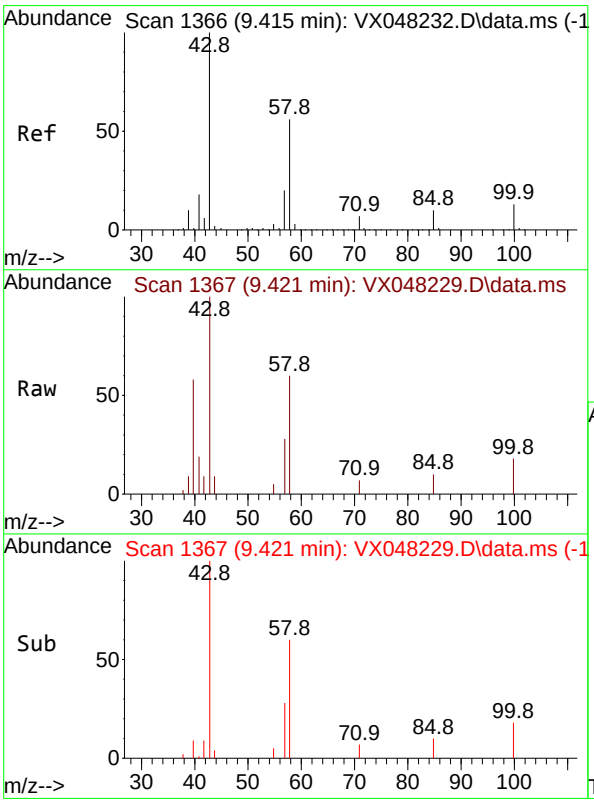
Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.2	33.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

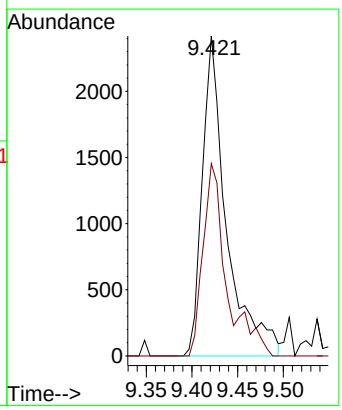
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

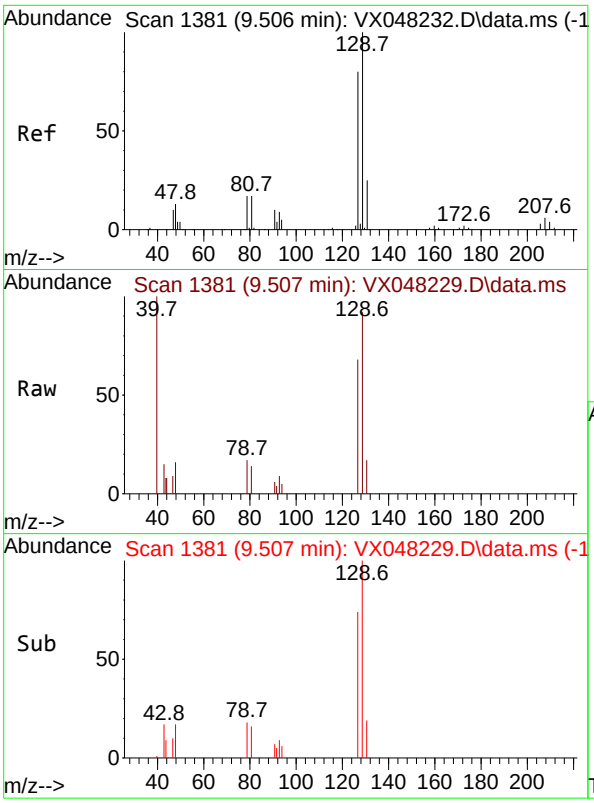


#59
2-Hexanone
Concen: 4.518 ug/l
RT: 9.421 min Scan# 1367
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 4456

Ion	Ratio	Lower	Upper
43	100		
58	58.1	26.3	78.8





#60
Dibromochloromethane
Concen: 1.183 ug/l
RT: 9.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

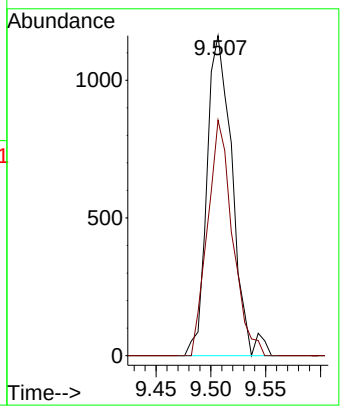
Tgt Ion:129 Resp: 186

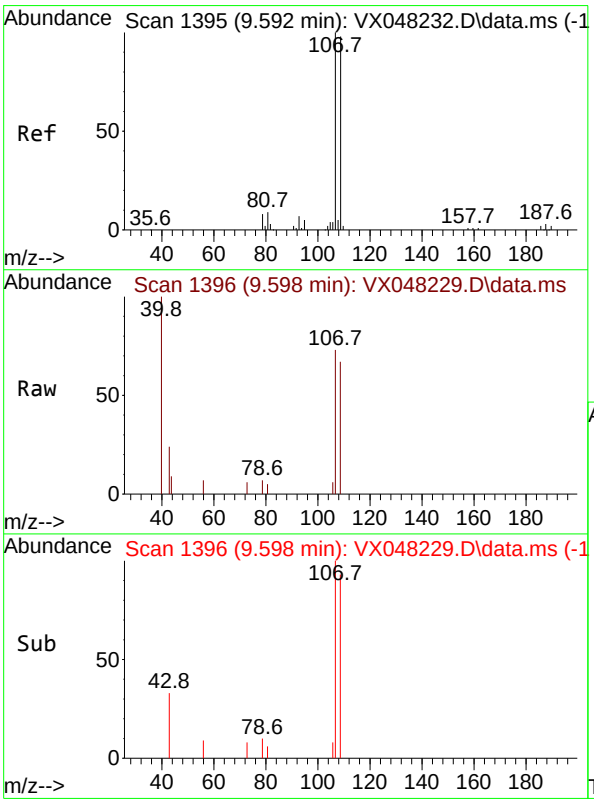
Ion	Ratio	Lower	Upper
129	100		
127	72.9	38.6	115.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

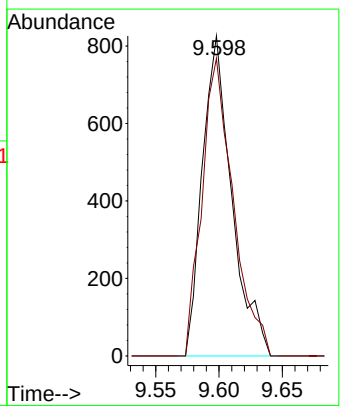


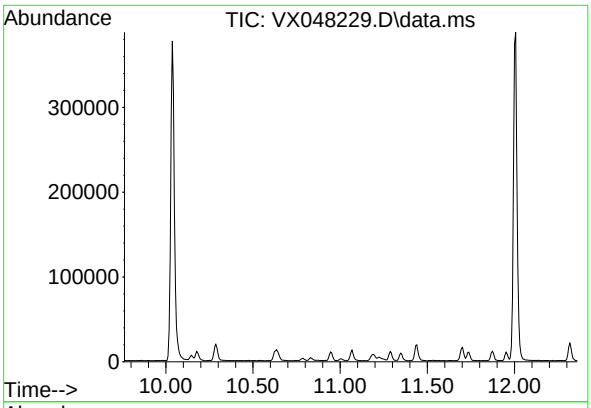


#61
1,2-Dibromoethane
Concen: 1.037 ug/l
RT: 9.598 min Scan# 1396
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:107 Resp: 1338

Ion	Ratio	Lower	Upper
107	100		
109	98.6	77.0	115.4





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.06 min

Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

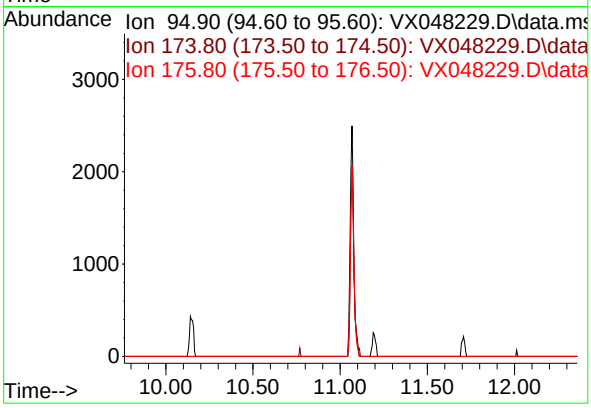
Tgt Ion: 95

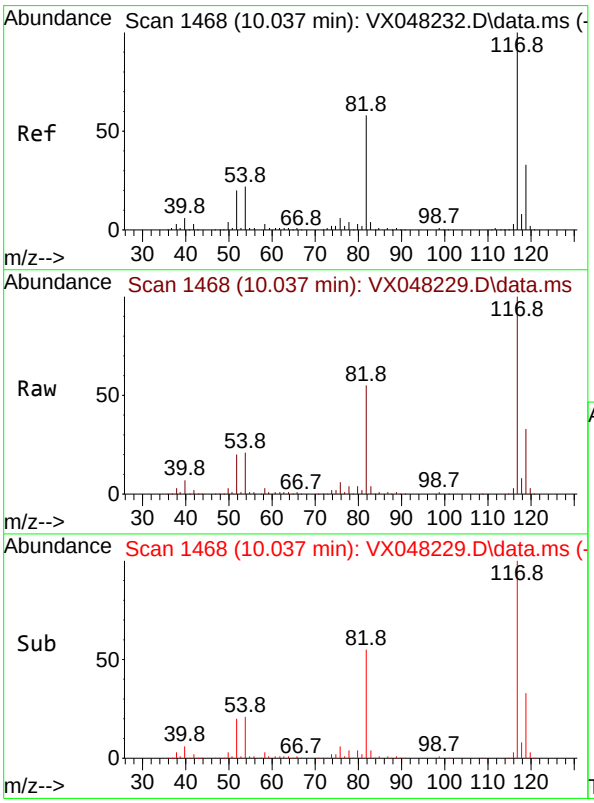
Sig	Exp Ratio
95	100
174	73.9
176	71.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

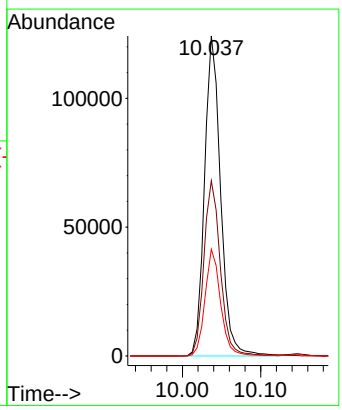


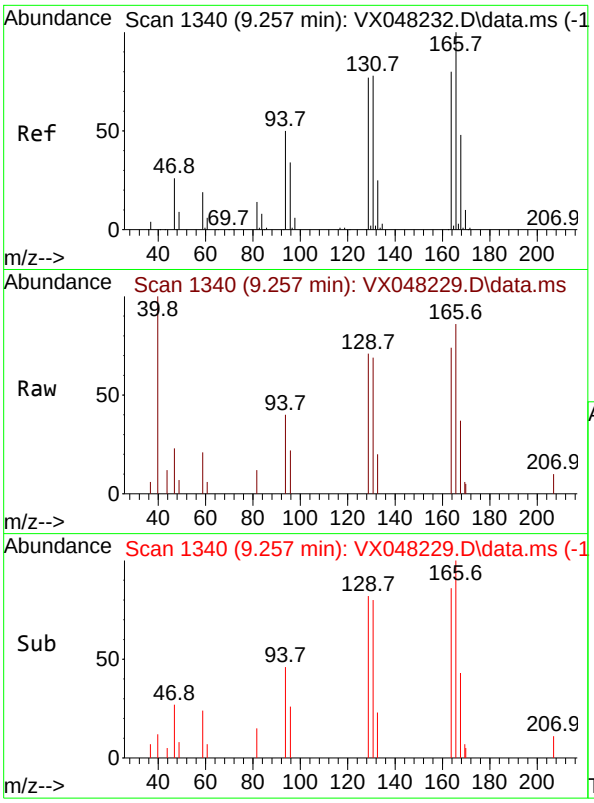


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:117 Resp: 177252

Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.5	69.7
119	33.3	25.9	38.9

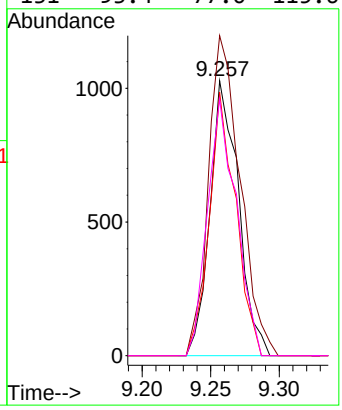




#64
Tetrachloroethene
Concen: 1.192 ug/l
RT: 9.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:164 Resp: 148

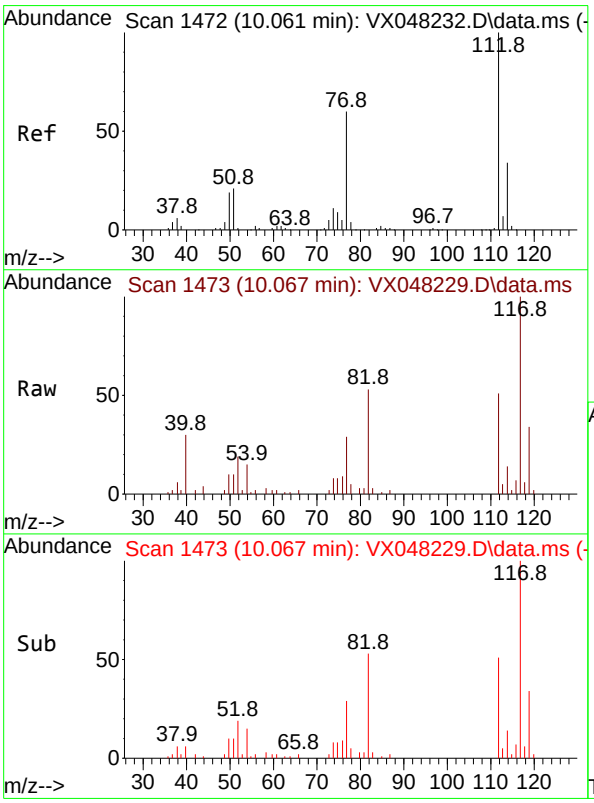
Ion	Ratio	Lower	Upper
164	100		
166	116.4	104.5	156.7
129	95.9	81.8	122.6
131	93.4	77.0	115.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

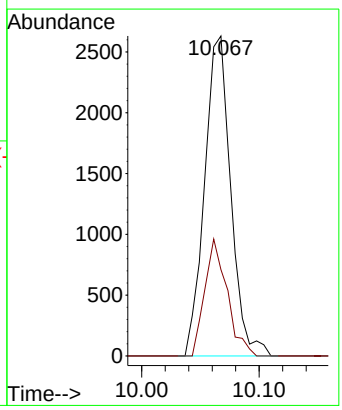
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

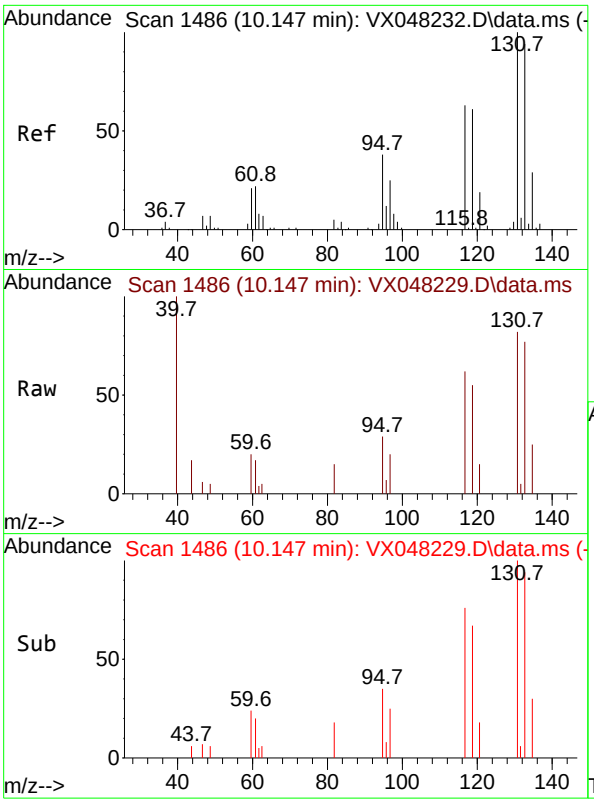


#65
Chlorobenzene
Concen: 1.051 ug/l
RT: 10.067 min Scan# 1473
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:112 Resp: 4073

Ion	Ratio	Lower	Upper
112	100		
114	27.0	26.2	39.2





#66
1,1,1,2-Tetrachloroethane
Concen: 1.070 ug/l
RT: 10.147 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

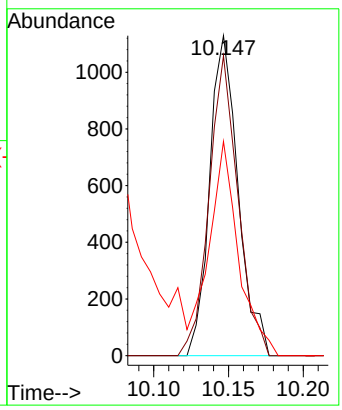
Tgt Ion:131 Resp: 149

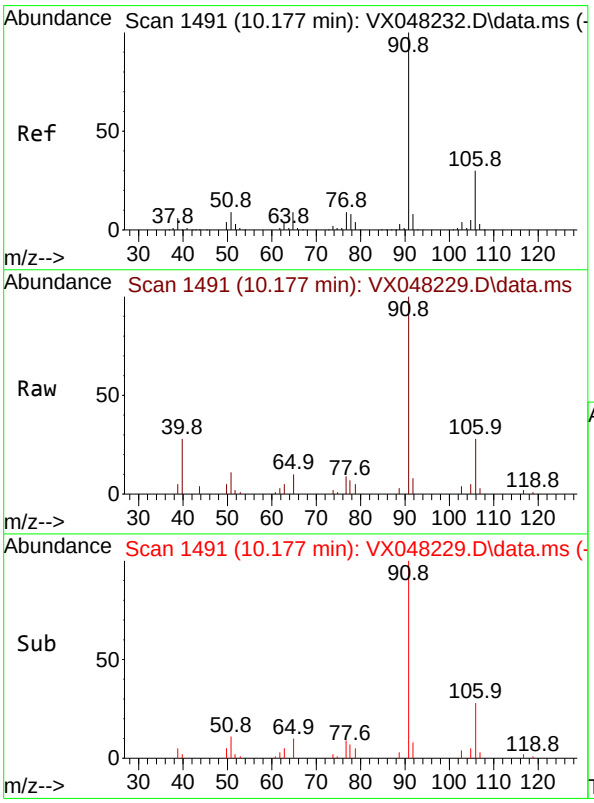
Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.6	142.8
119	0.0	32.5	97.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

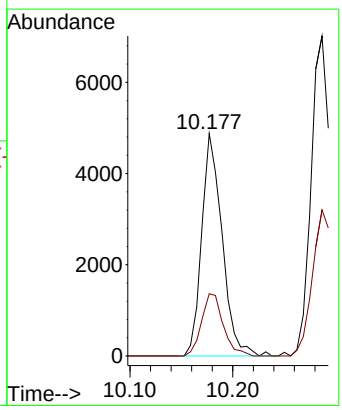


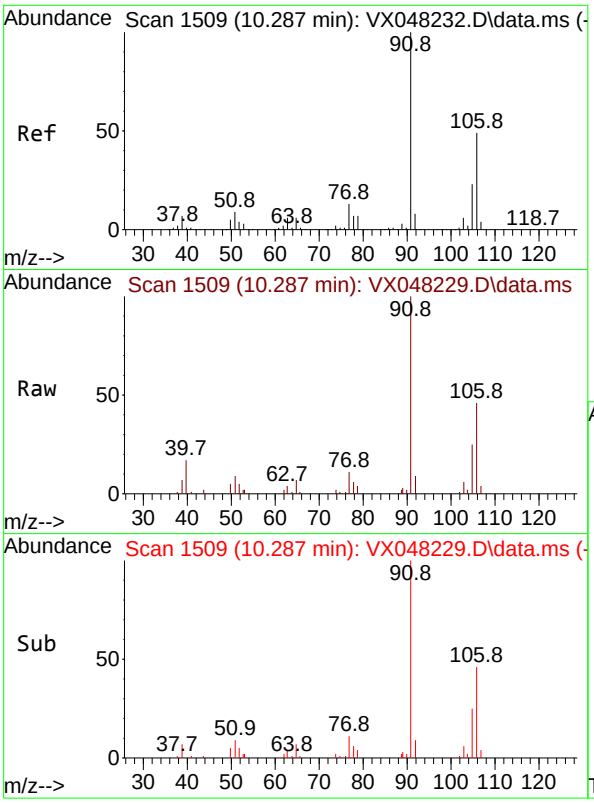


#67
Ethyl Benzene
Concen: 1.016 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 91 Resp: 6752

Ion	Ratio	Lower	Upper
91	100		
106	28.0	23.8	35.6





#68
m/p-Xylenes
Concen: 1.854 ug/l
RT: 10.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

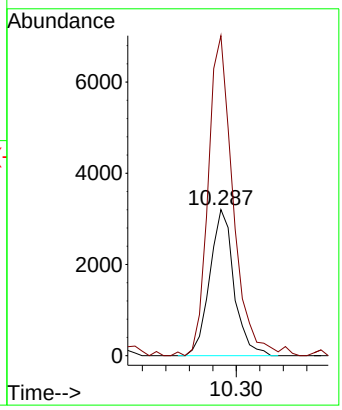
Tgt Ion:106 Resp: 458

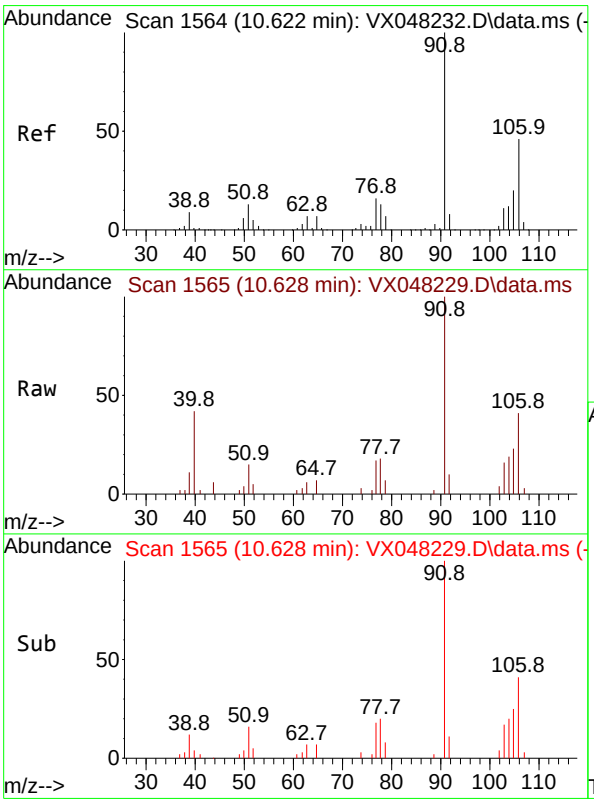
Ion	Ratio	Lower	Upper
106	100		
91	225.6	167.9	251.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

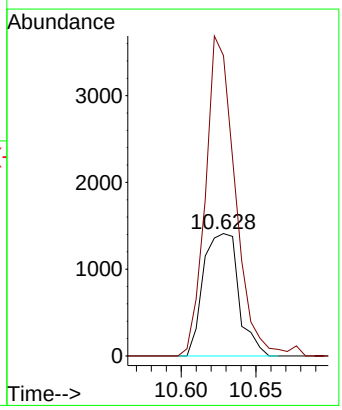


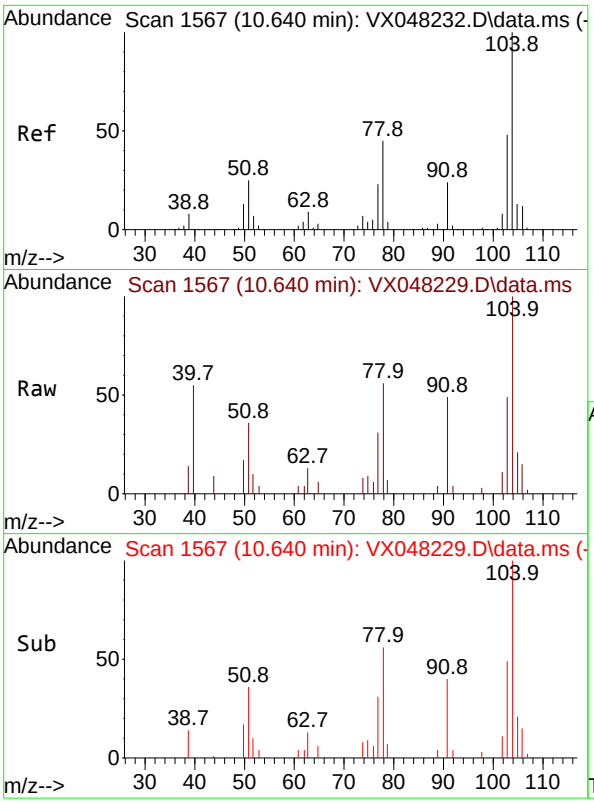


#69
o-Xylene
Concen: 0.993 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:106 Resp: 2313

Ion	Ratio	Lower	Upper
106	100		
91	221.2	111.3	333.9

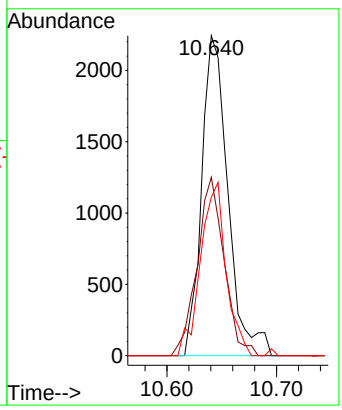




#70
Styrene
Concen: 0.932 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:104 Resp: 373

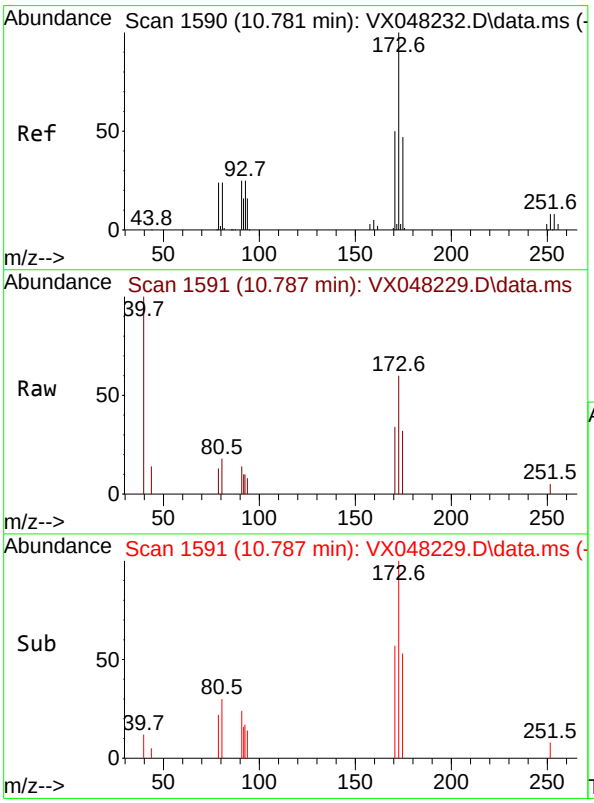
Ion	Ratio	Lower	Upper
104	100		
78	57.1	42.2	63.4
103	52.6	43.0	64.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

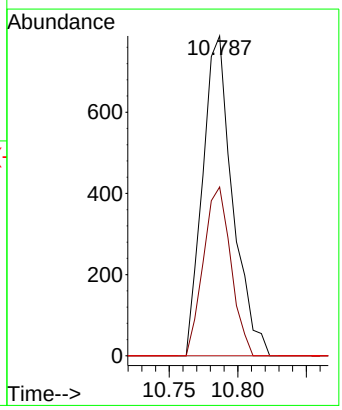
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

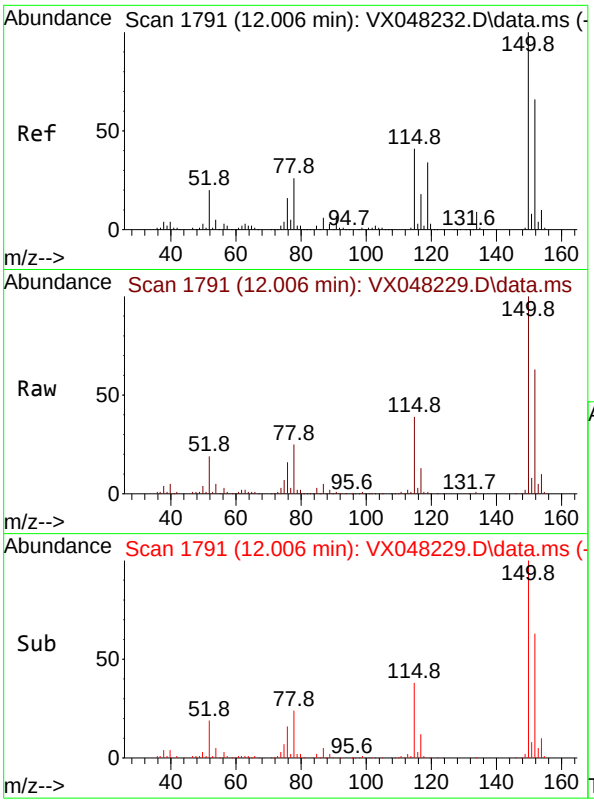


#71
Bromoform
Concen: 1.168 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:173 Resp: 1198

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.0	72.0
254	0.0	0.0	0.0

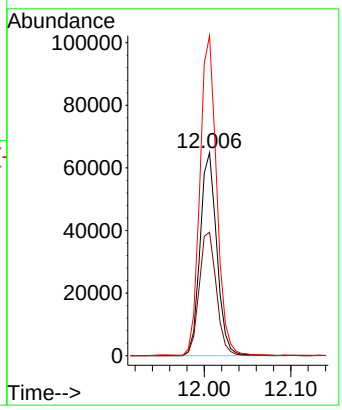




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:152 Resp: 8694

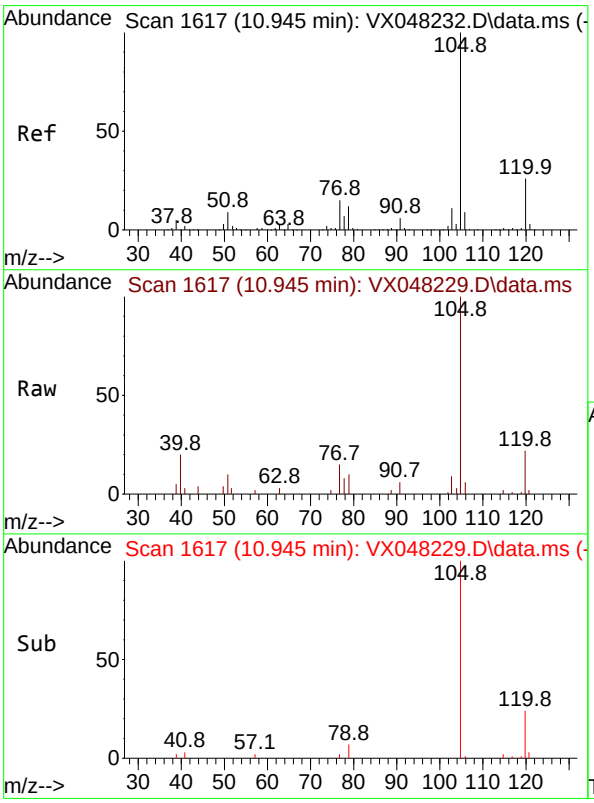
Ion	Ratio	Lower	Upper
152	100		
115	63.0	43.1	129.4
150	158.2	0.0	353.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

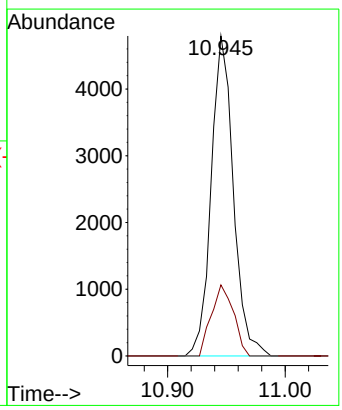
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

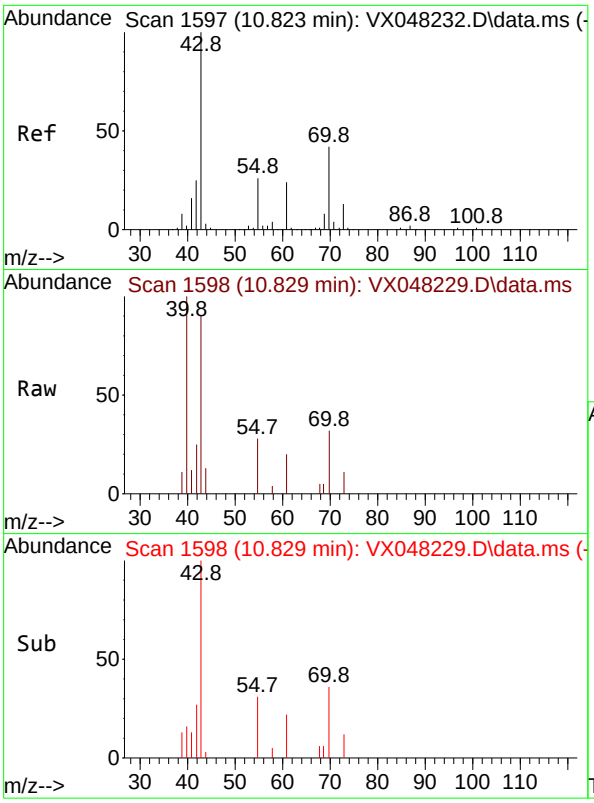


#73
Isopropylbenzene
Concen: 1.040 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:105 Resp: 6291

Ion	Ratio	Lower	Upper
105	100		
120	22.2	13.0	38.9

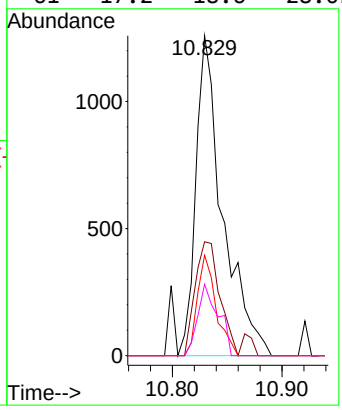




#74
N-amyl acetate
Concen: 0.947 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 43 Resp: 213

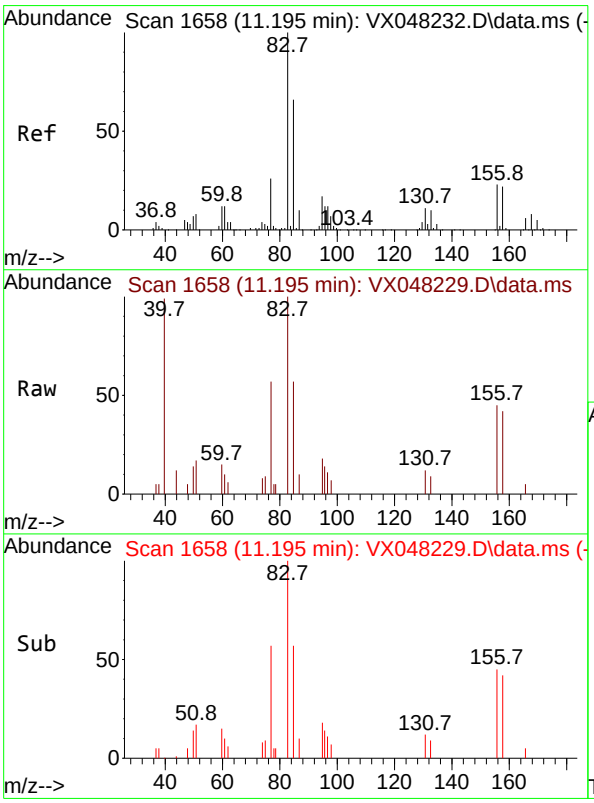
Ion	Ratio	Lower	Upper
43	100		
70	32.8	32.2	48.2
55	22.0	19.1	28.7
61	17.2	18.6	28.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

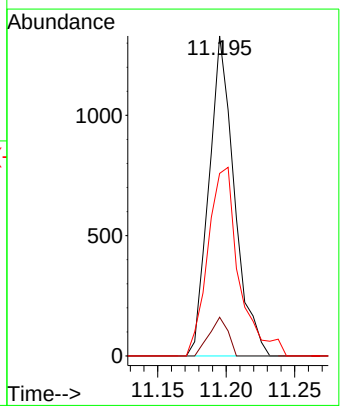
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

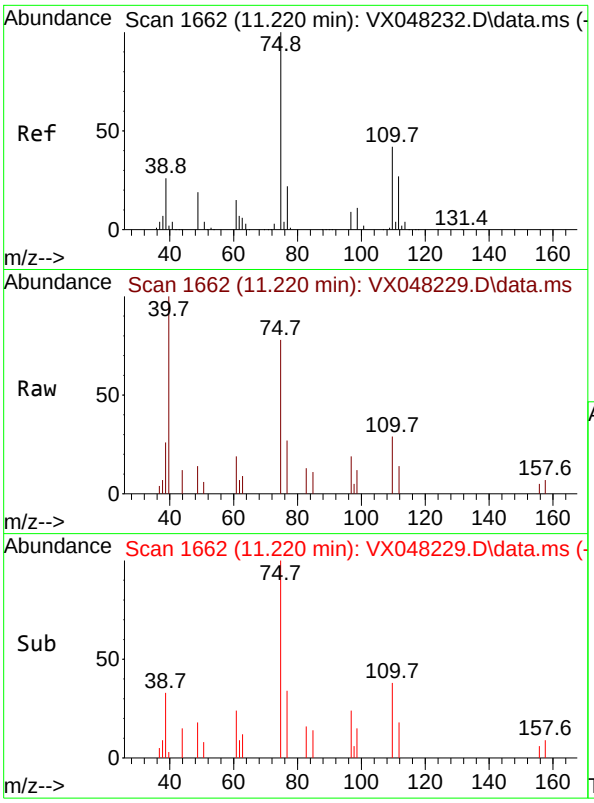


#75
1,1,2,2-Tetrachloroethane
Concen: 1.003 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 83 Resp: 1718

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.8	14.4
85	72.1	31.9	95.7





#76
1,2,3-Trichloropropane
Concen: 1.216 ug/l m
RT: 11.220 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

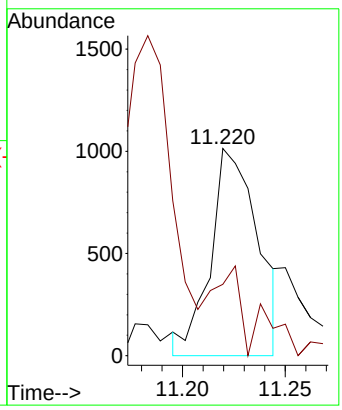
Tgt Ion: 75 Resp: 161

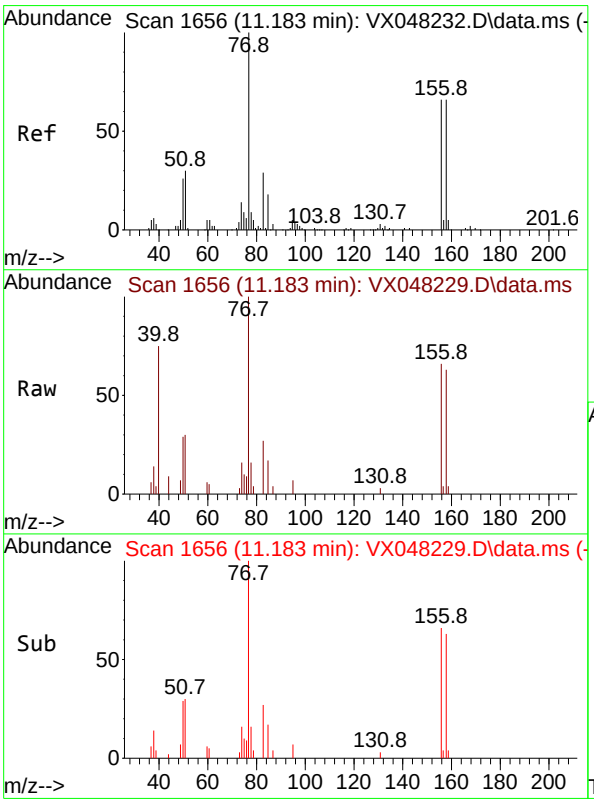
Ion	Ratio	Lower	Upper
75	100		
77	40.2	22.4	67.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

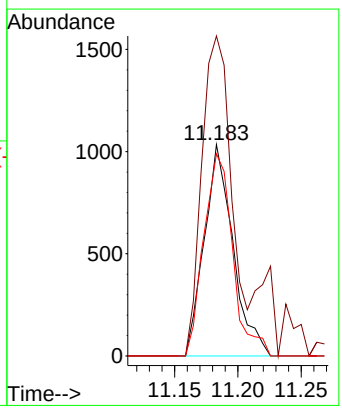


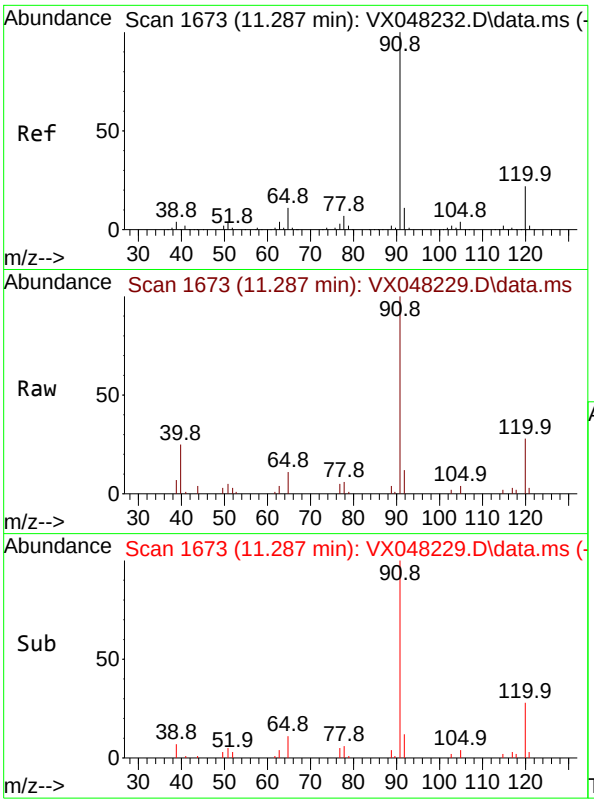


#77
Bromobenzene
Concen: 1.080 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:156 Resp: 1635

Ion	Ratio	Lower	Upper
156	100		
77	155.2	87.0	261.0
158	96.4	47.8	143.4





#78
n-propylbenzene
Concen: 0.949 ug/l
RT: 11.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

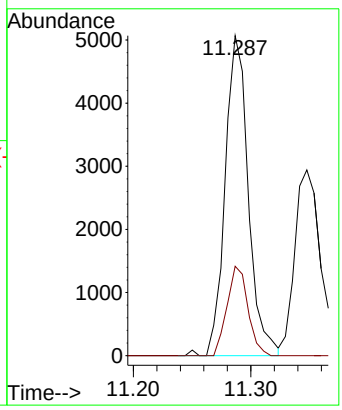
Tgt Ion: 91 Resp: 695

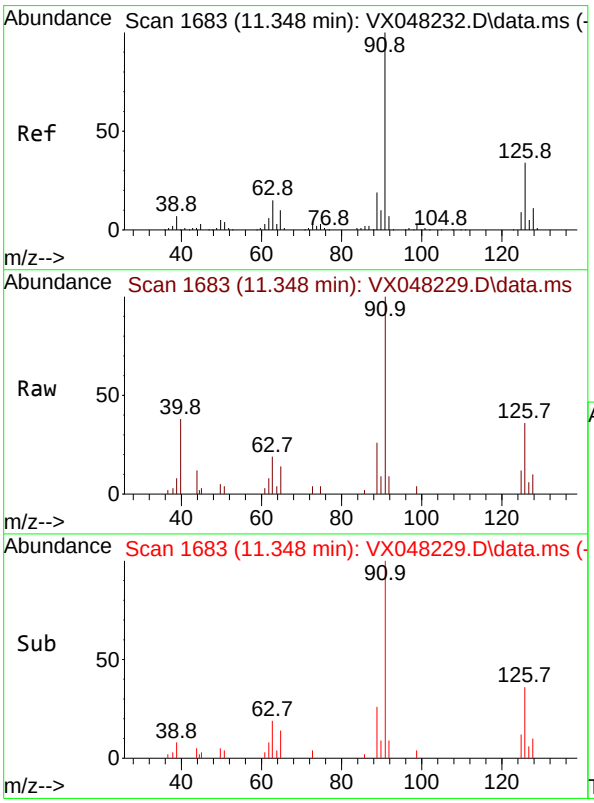
Ion	Ratio	Lower	Upper
91	100		
120	25.2	11.1	33.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

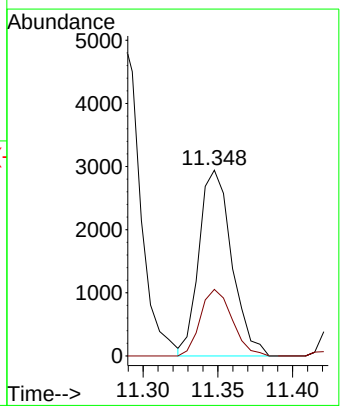


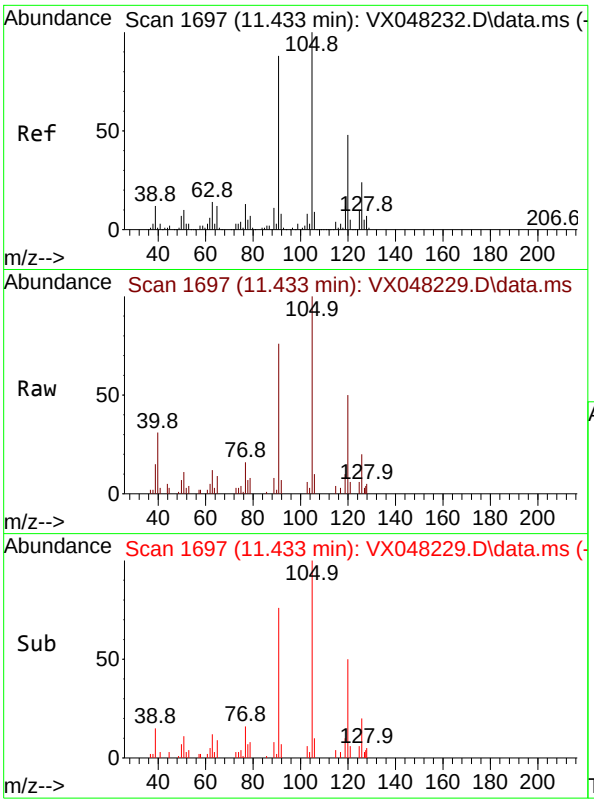


#79
2-Chlorotoluene
Concen: 1.010 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 91 Resp: 4477

Ion	Ratio	Lower	Upper
91	100		
126	34.8	16.4	49.4





#80
1,3,5-Trimethylbenzene
Concen: 1.047 ug/l
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

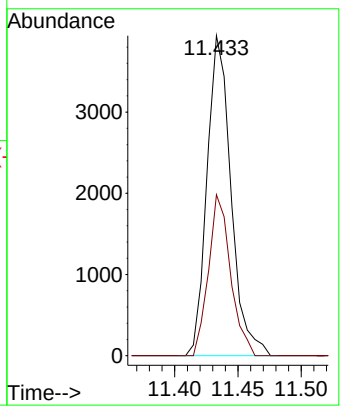
Tgt Ion:105 Resp: 519

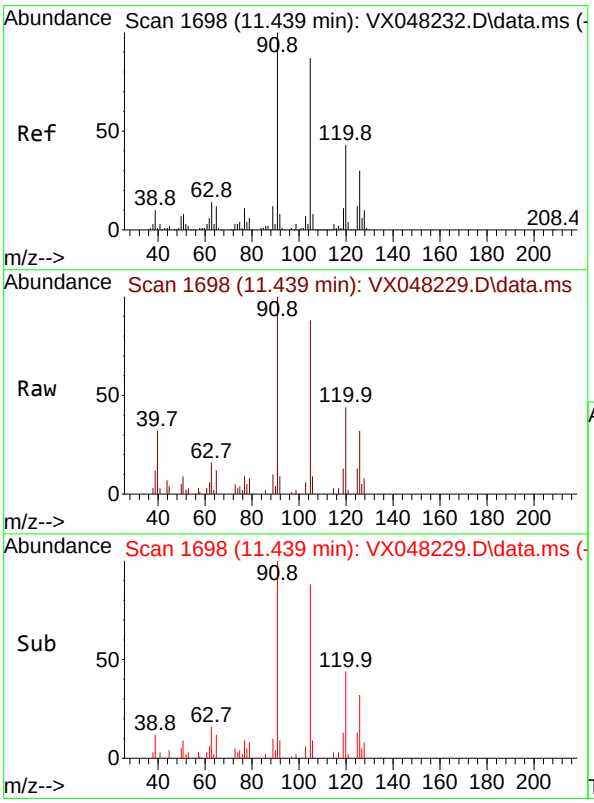
Ion	Ratio	Lower	Upper
105	100		
120	46.2	24.0	72.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

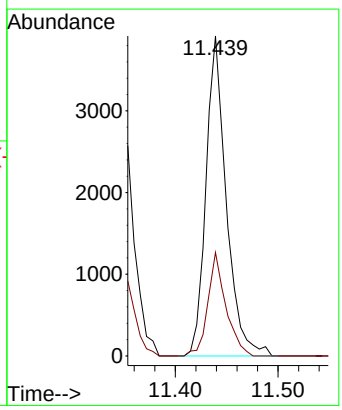


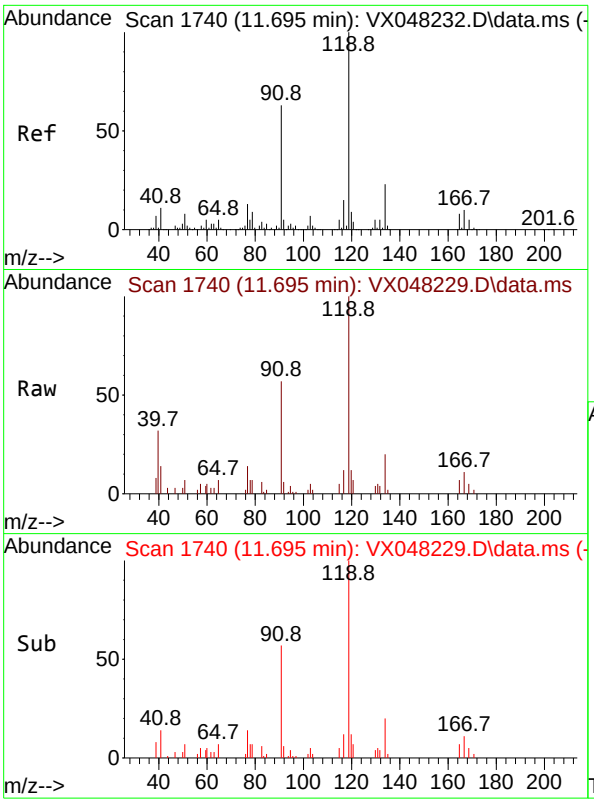


#82
4-Chlorotoluene
Concen: 1.034 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 91 Resp: 5385

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.1	42.4





#83
tert-Butylbenzene
Concen: 1.085 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

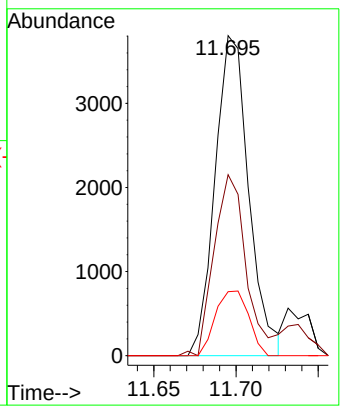
Tgt Ion:119 Resp: 543

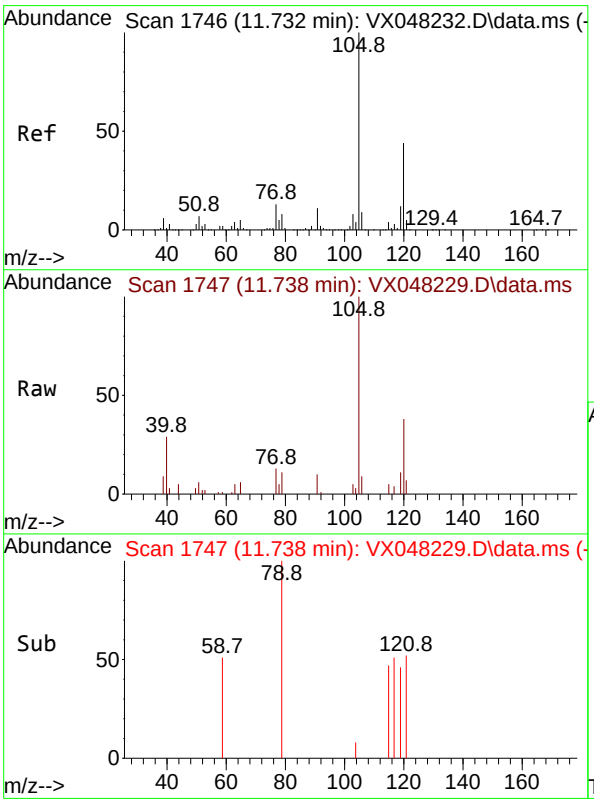
Ion	Ratio	Lower	Upper
119	100		
91	53.0	30.3	91.0
134	19.9	11.4	34.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

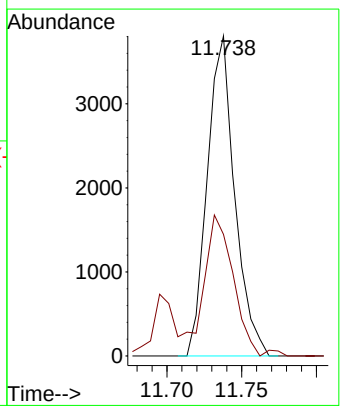


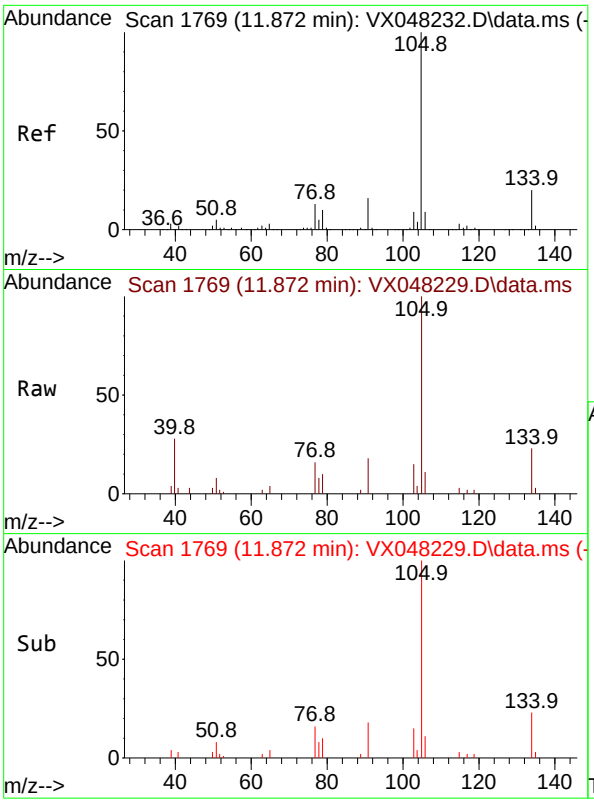


#84
1,2,4-Trimethylbenzene
Concen: 0.982 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:105 Resp: 4854

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.5





#85
sec-Butylbenzene
Concen: 1.075 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

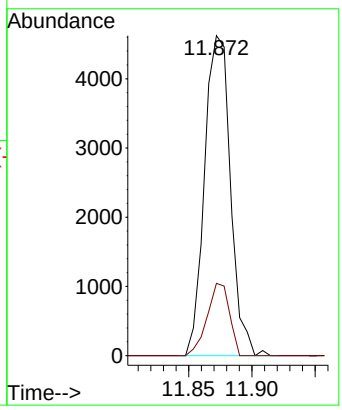
Tgt Ion:105 Resp: 658

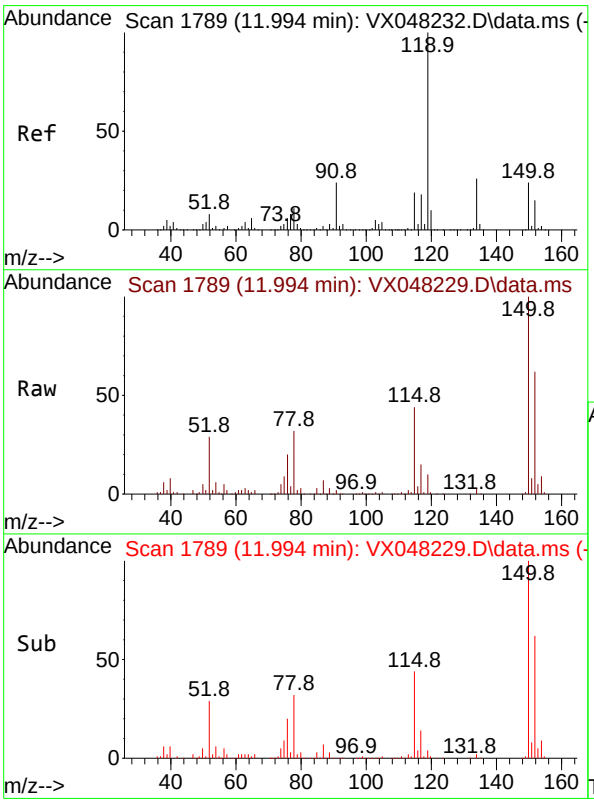
Ion	Ratio	Lower	Upper
105	100		
134	19.4	10.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

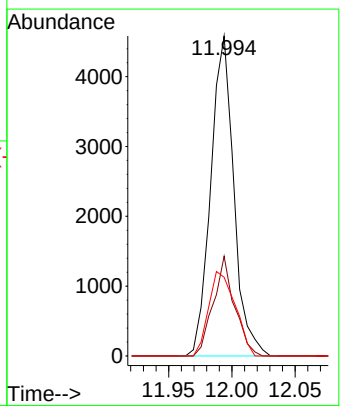


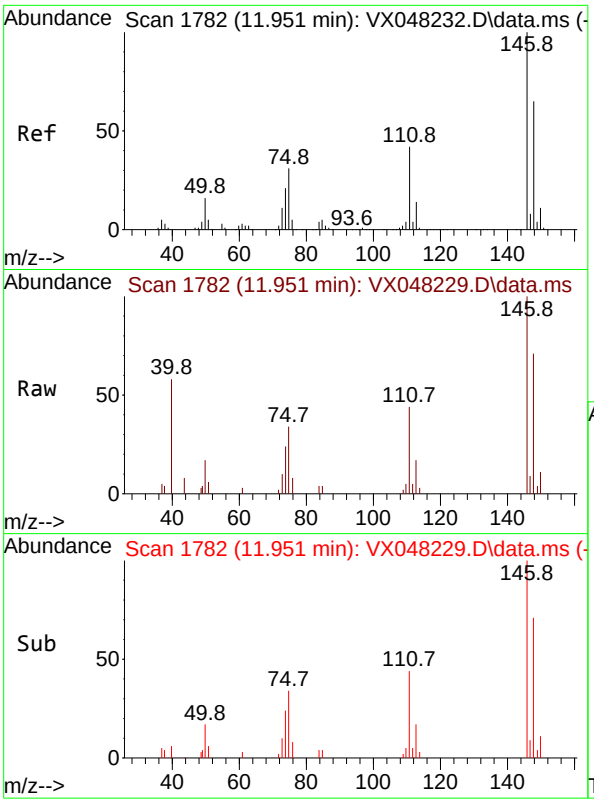


#86
p-Isopropyltoluene
Concen: 1.125 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:119 Resp: 5812

Ion	Ratio	Lower	Upper
119	100		
134	28.8	13.0	39.0
91	30.5	12.1	36.3

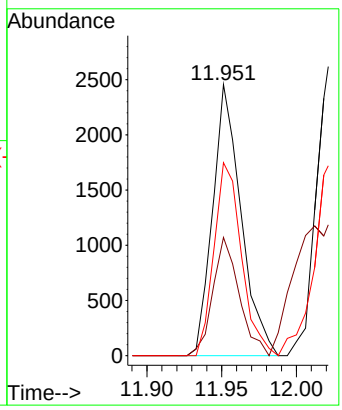




#87
1,3-Dichlorobenzene
Concen: 1.145 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:146 Resp: 323

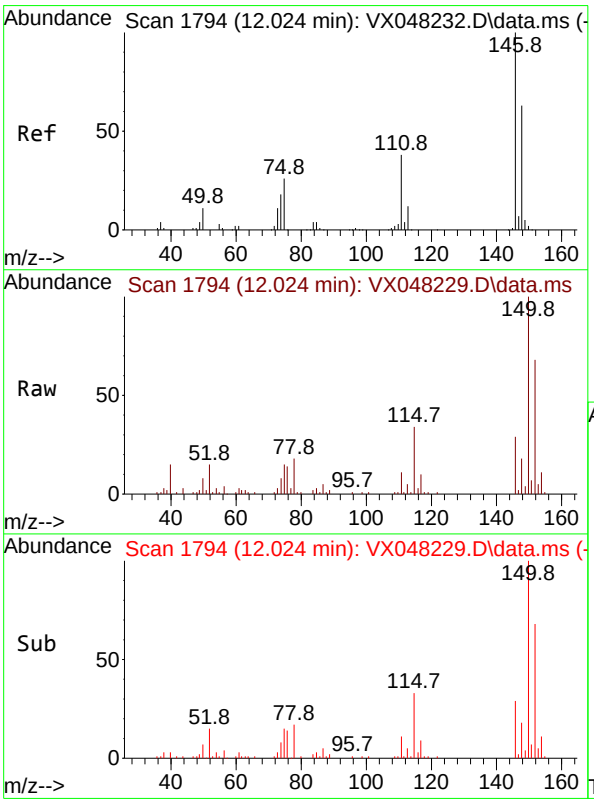
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.2
148	68.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

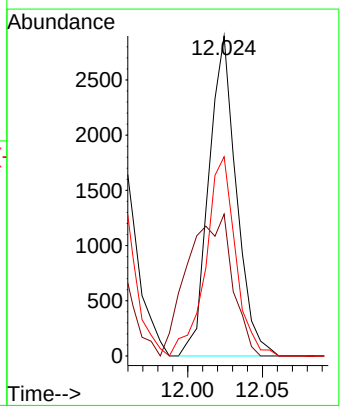
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

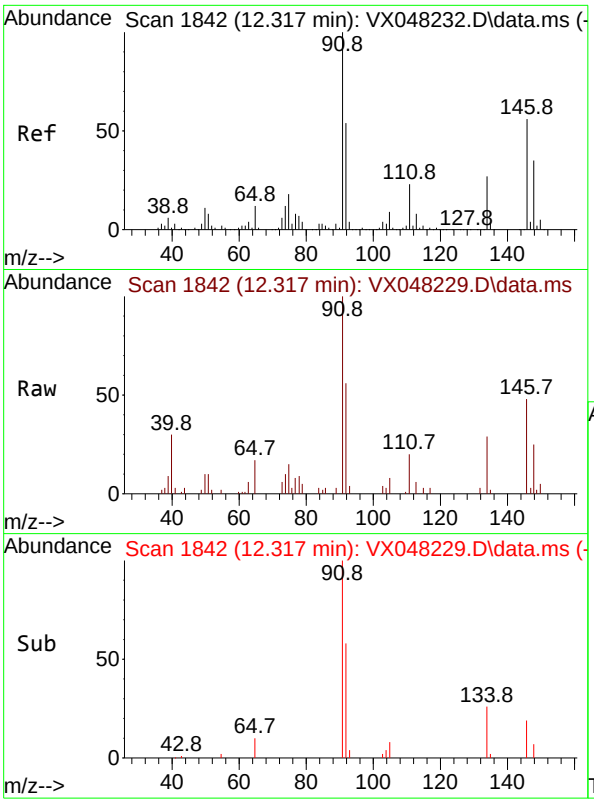


#88
1,4-Dichlorobenzene
Concen: 1.270 ug/l m
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:146 Resp: 3727

Ion	Ratio	Lower	Upper
146	100		
111	35.2	20.1	60.2
148	59.9	31.8	95.3

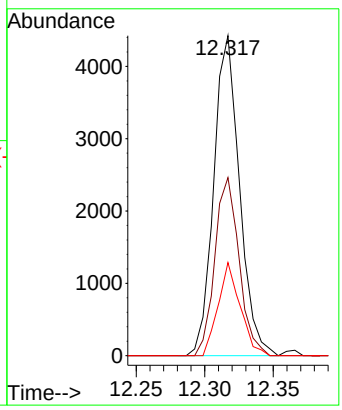




#89
n-Butylbenzene
Concen: 1.202 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 91 Resp: 578

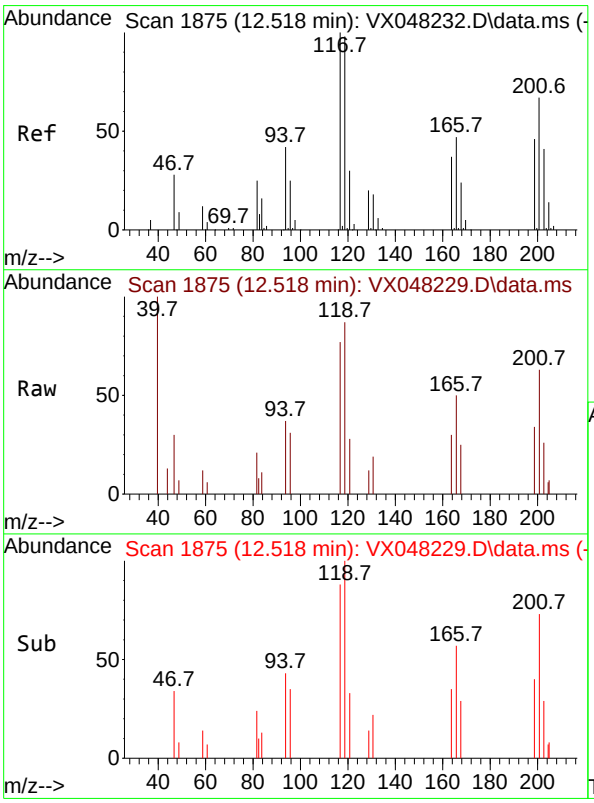
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.9	80.6
134	24.9	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

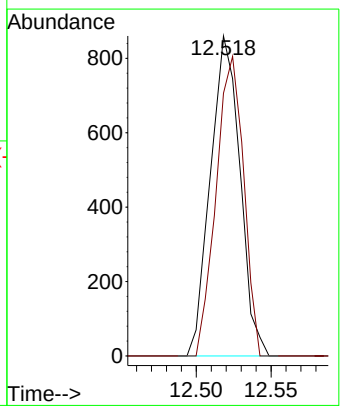
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

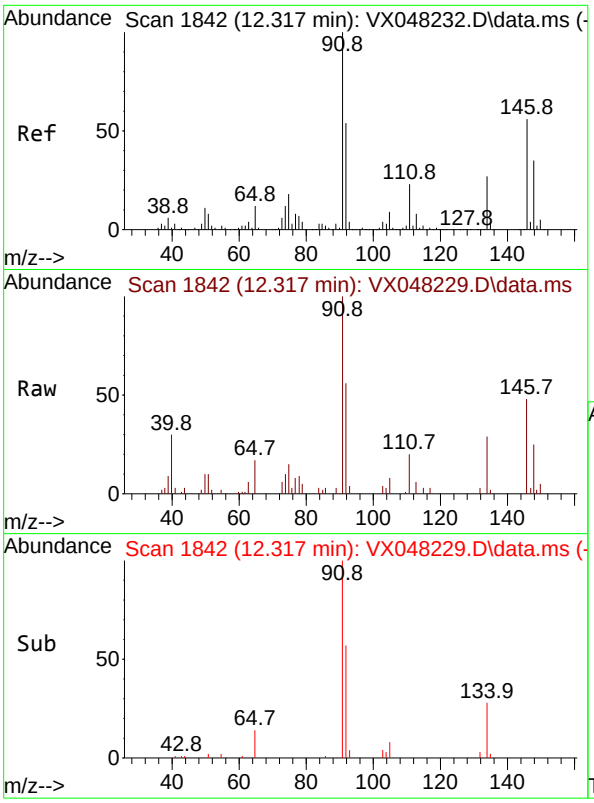


#90
Hexachloroethane
Concen: 1.084 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:117 Resp: 1182

Ion	Ratio	Lower	Upper
117	100		
201	87.1	34.1	102.2

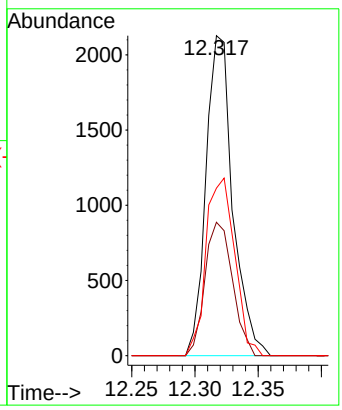




#91
1,2-Dichlorobenzene
Concen: 1.172 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:146 Resp: 313

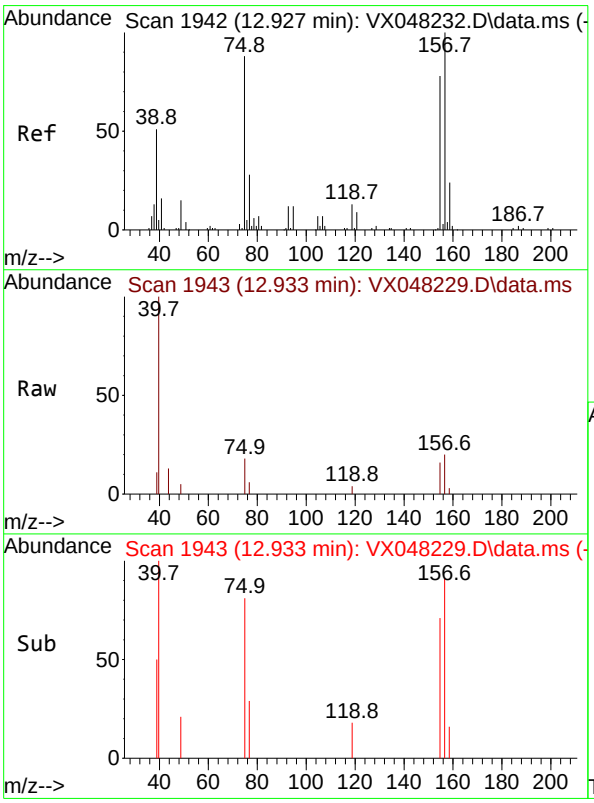
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.9	65.5
148	59.5	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

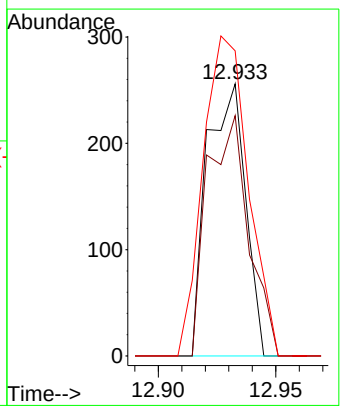
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

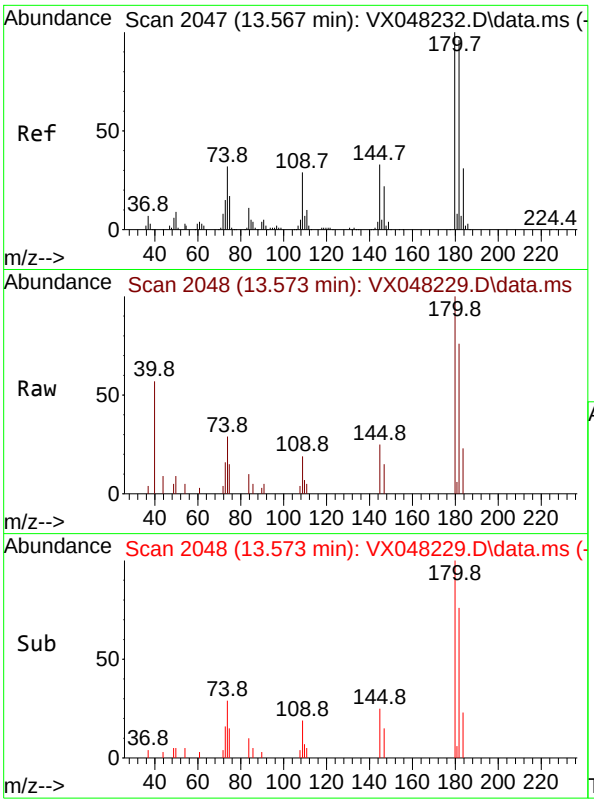


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.926 ug/l
RT: 12.933 min Scan# 1943
Delta R.T. 0.012 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion: 75 Resp: 290

Ion	Ratio	Lower	Upper
75	100		
155	95.2	42.8	128.4
157	139.0	54.2	162.6

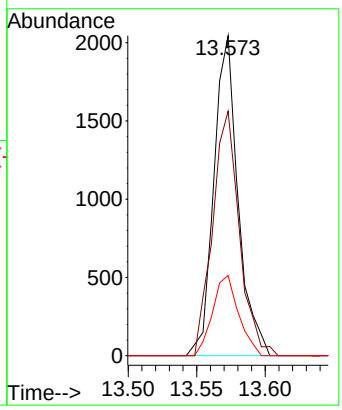




#93
1,2,4-Trichlorobenzene
Concen: 1.587 ug/l
RT: 13.573 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:180 Resp: 250

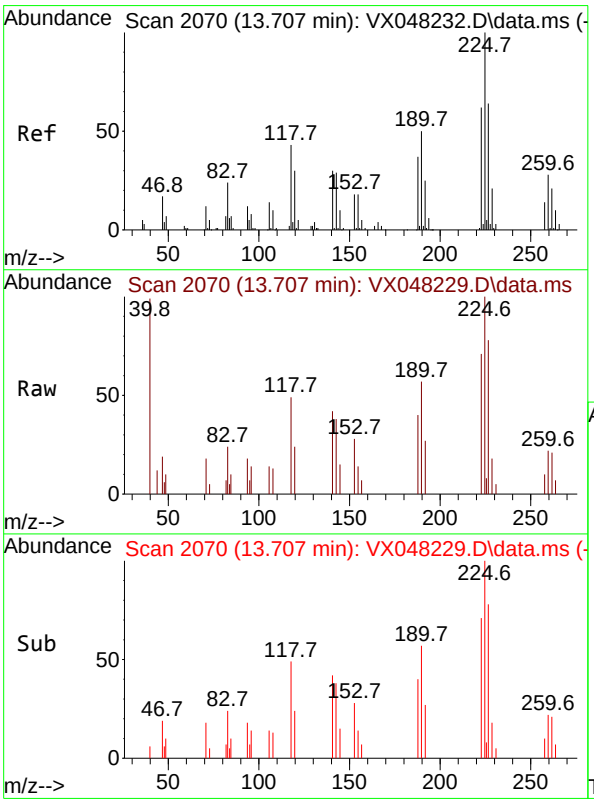
Ion	Ratio	Lower	Upper
180	100		
182	84.5	47.3	142.0
145	27.1	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

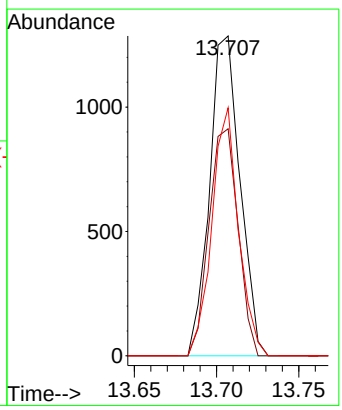
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

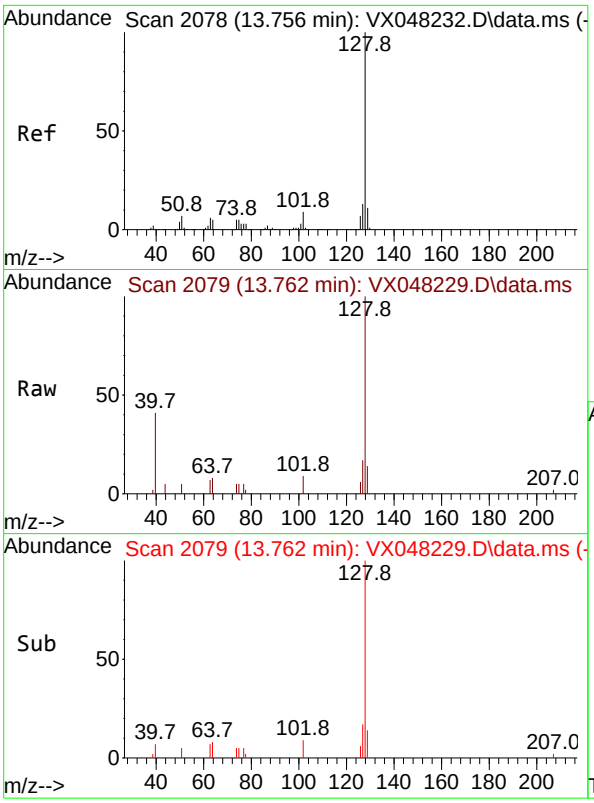


#94
Hexachlorobutadiene
Concen: 2.724 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:225 Resp: 1658

Ion	Ratio	Lower	Upper
225	100		
223	67.8	32.6	97.7
227	67.7	32.5	97.4

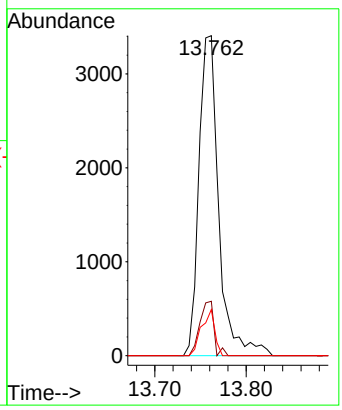




#95
Naphthalene
Concen: 1.230 ug/l
RT: 13.762 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:128 Resp: 511

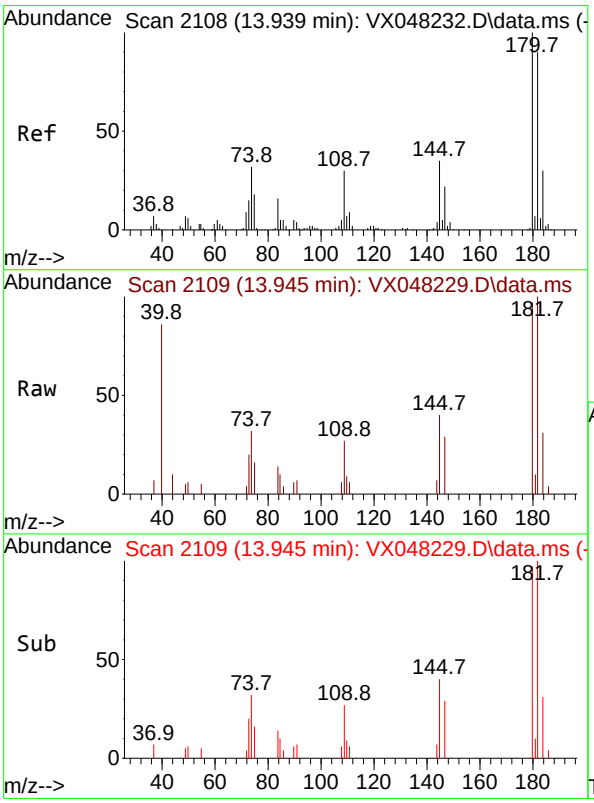
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	9.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

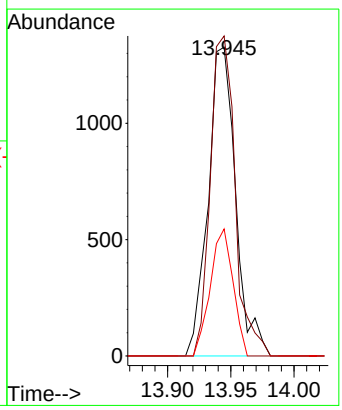
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 1.377 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048229.D
Acq: 20 Oct 2025 10:59

Tgt Ion:180 Resp: 2006

Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.6	139.7
145	34.1	16.9	50.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048231.D
Acq On : 20 Oct 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:37:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	119626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	195028	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	178975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	90972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	33936	18.312	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	36.620%#		
35) Dibromofluoromethane	5.373	113	26897	19.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.740%#		
50) Toluene-d8	8.635	98	92476	18.965	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	37.920%#		
62) 4-Bromofluorobenzene	11.061	95	34724	19.551	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.100%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	24524	19.532	ug/l	98
3) Chloromethane	1.300	50	22401	14.727	ug/l	100
4) Vinyl Chloride	1.380	62	20913	13.048	ug/l	94
5) Bromomethane	1.617	94	15473	14.517	ug/l	100
6) Chloroethane	1.697	64	13249	12.990	ug/l	93
7) Trichlorofluoromethane	1.898	101	41824	16.625	ug/l	98
8) Diethyl Ether	2.136	74	12293	14.325	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.337	101	25843	18.229	ug/l	96
10) Methyl Iodide	2.459	142	30452	17.934	ug/l	99
11) Tert butyl alcohol	2.947	59	16521	134.353	ug/l	100
12) 1,1-Dichloroethene	2.325	96	26209	18.907	ug/l	92
13) Acrolein	2.239	56	15157	58.651	ug/l	99
14) Allyl chloride	2.666	41	43494	17.443	ug/l	98
15) Acrylonitrile	3.056	53	63931	108.499	ug/l	97
16) Acetone	2.373	43	59884	94.723	ug/l	96
17) Carbon Disulfide	2.520	76	77142	18.087	ug/l	98
18) Methyl Acetate	2.703	43	26374	20.482	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	91349	21.877	ug/l	100
20) Methylene Chloride	2.794	84	31157	20.231	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	28001	19.525	ug/l	94
22) Diisopropyl ether	3.751	45	90030	18.439	ug/l	87
23) Vinyl Acetate	3.715	43	364009	99.706	ug/l	98
24) 1,1-Dichloroethane	3.605	63	51927	18.746	ug/l	98
25) 2-Butanone	4.544	43	78643	106.774	ug/l	95
26) 2,2-Dichloropropane	4.465	77	46568	19.669	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	33508	19.688	ug/l	98
28) Bromochloromethane	4.891	49	19339	15.146	ug/l	90
29) Tetrahydrofuran	4.995	42	47457	109.718	ug/l	94
30) Chloroform	5.080	83	57780	19.813	ug/l	99
31) Cyclohexane	5.464	56	42796	18.882	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	51929	21.672	ug/l	98
36) 1,1-Dichloropropene	5.684	75	38270	20.071	ug/l	99
37) Ethyl Acetate	4.702	43	30904	20.280	ug/l #	95
38) Carbon Tetrachloride	5.666	117	46323	21.166	ug/l	98
39) Methylcyclohexane	7.366	83	42776	19.897	ug/l	94
40) Benzene	6.025	78	115488	20.398	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048231.D
Acq On : 20 Oct 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:37:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	18461	22.621	ug/l		97
42) 1,2-Dichloroethane	6.074	62	44176	21.778	ug/l		100
43) Isopropyl Acetate	6.324	43	55317	21.625	ug/l		96
44) Trichloroethene	7.110	130	29108	20.399	ug/l		90
45) 1,2-Dichloropropane	7.421	63	28242	19.709	ug/l		97
46) Dibromomethane	7.568	93	21605	20.955	ug/l		92
47) Bromodichloromethane	7.805	83	46221	20.743	ug/l		100
48) Methyl methacrylate	7.677	41	27751	21.193	ug/l		94
49) 1,4-Dioxane	7.647	88	7620	646.470	ug/l		91
51) 4-Methyl-2-Pentanone	8.555	43	164708	115.713	ug/l		94
52) Toluene	8.702	92	73623	21.635	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	45416	21.756	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	47130	20.713	ug/l		96
55) 1,1,2-Trichloroethane	9.134	97	27884	21.961	ug/l		98
56) Ethyl methacrylate	9.104	69	41809	24.210	ug/l		93
57) 1,3-Dichloropropane	9.293	76	47896	21.591	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	104883	118.278	ug/l		96
59) 2-Hexanone	9.415	43	116268	116.777	ug/l		95
60) Dibromochloromethane	9.506	129	37127	23.361	ug/l		98
61) 1,2-Dibromoethane	9.598	107	30639	23.533	ug/l		96
64) Tetrachloroethene	9.256	164	27043	21.550	ug/l		89
65) Chlorobenzene	10.061	112	83004	21.211	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	30278	21.471	ug/l		98
67) Ethyl Benzene	10.177	91	139895	20.852	ug/l		98
68) m/p-Xylenes	10.287	106	107377	42.962	ug/l		100
69) o-Xylene	10.622	106	50950	21.655	ug/l		98
70) Styrene	10.640	104	88481	21.848	ug/l		99
71) Bromoform	10.780	173	25027	24.168	ug/l	#	100
73) Isopropylbenzene	10.945	105	133034	21.025	ug/l		99
74) N-amyl acetate	10.829	43	48726	20.642	ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.195	83	38748	21.616	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	29913m	21.533	ug/l		
77) Bromobenzene	11.183	156	33843	21.374	ug/l		95
78) n-propylbenzene	11.286	91	154839	20.180	ug/l		98
79) 2-Chlorotoluene	11.347	91	95156	20.526	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	112057	21.575	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	12001	21.154	ug/l		94
82) 4-Chlorotoluene	11.439	91	113495	20.833	ug/l		98
83) tert-Butylbenzene	11.695	119	112305	21.403	ug/l		97
84) 1,2,4-Trimethylbenzene	11.732	105	111976	21.652	ug/l		100
85) sec-Butylbenzene	11.872	105	134014	20.891	ug/l		100
86) p-Isopropyltoluene	11.994	119	114969	21.263	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	63377	21.403	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	65612	21.375	ug/l		99
89) n-Butylbenzene	12.317	91	102140	20.281	ug/l		99
90) Hexachloroethane	12.518	117	22609	19.811	ug/l		94
91) 1,2-Dichlorobenzene	12.317	146	59345	21.212	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7983	24.372	ug/l		94
93) 1,2,4-Trichlorobenzene	13.567	180	35465	21.473	ug/l		98
94) Hexachlorobutadiene	13.707	225	14529	22.810	ug/l		98
95) Naphthalene	13.756	128	104803	24.073	ug/l		99
96) 1,2,3-Trichlorobenzene	13.945	180	34276	22.493	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048231.D
Acq On : 20 Oct 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:37:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

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

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

ICAL Form

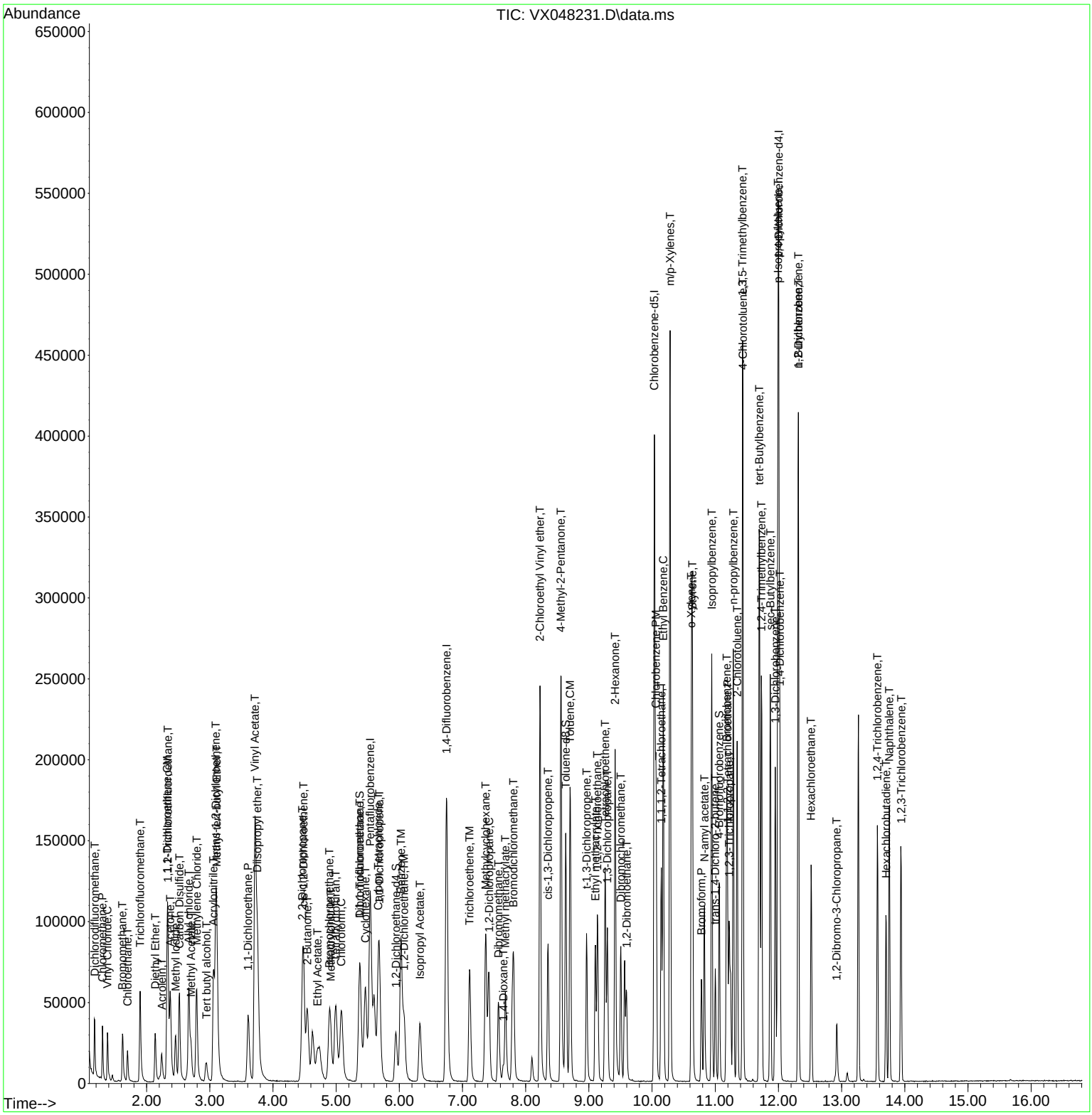
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048231.D
Acq On : 20 Oct 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

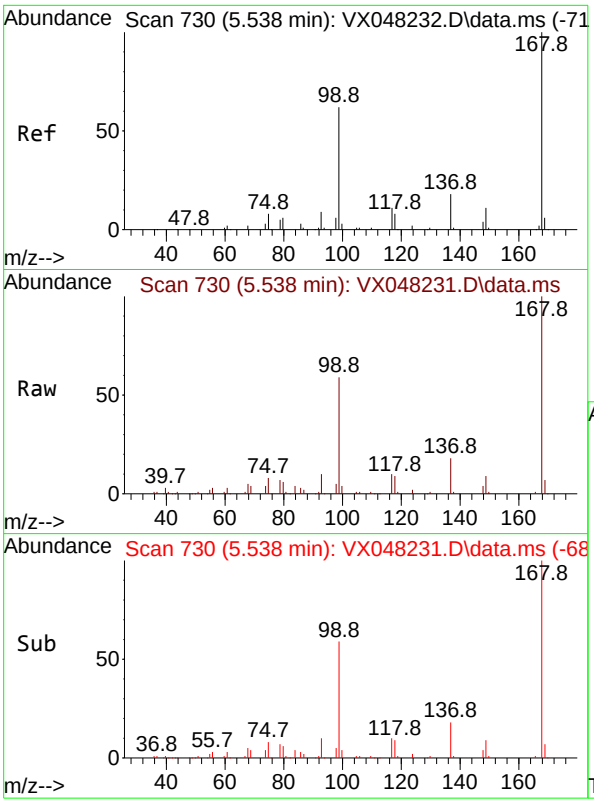
Quant Time: Oct 20 12:37:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

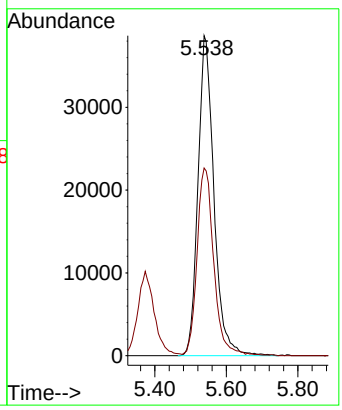




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:168 Resp: 11962

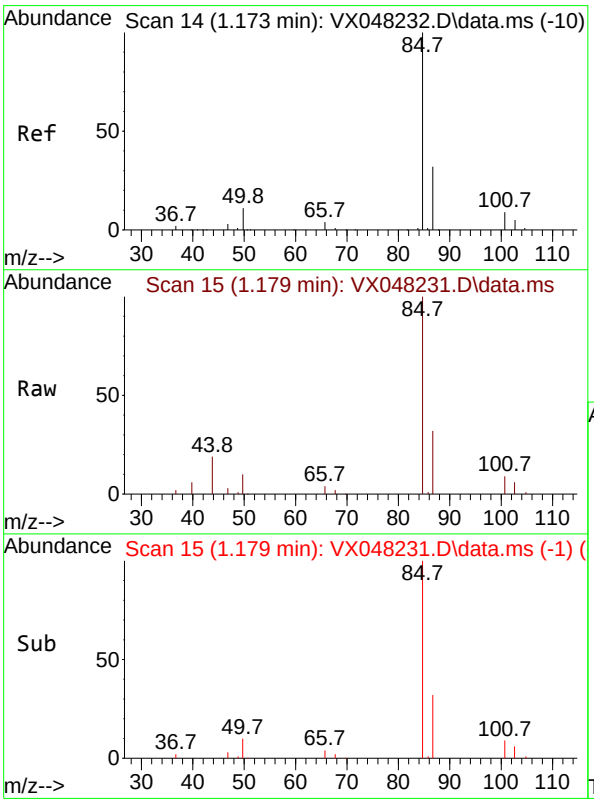
Ion	Ratio	Lower	Upper
168	100		
99	58.7	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

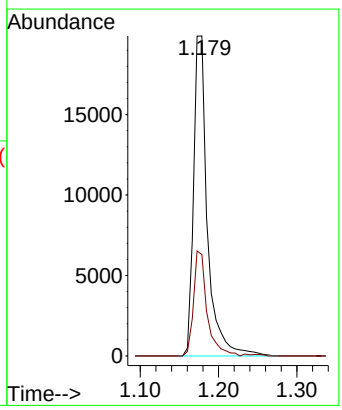
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

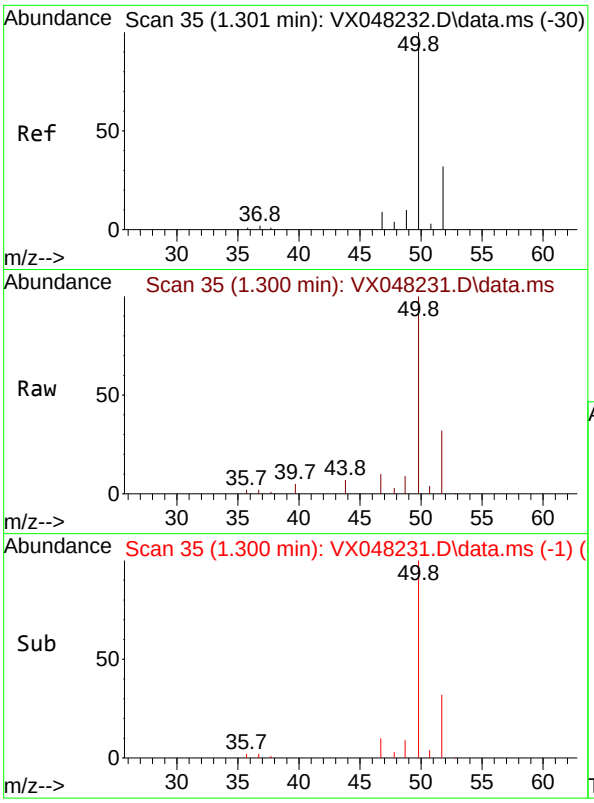


#2
Dichlorodifluoromethane
Concen: 19.532 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 85 Resp: 24524

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.3	45.9

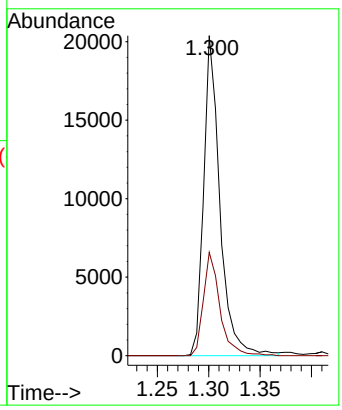




#3
Chloromethane
Concen: 14.727 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 50 Resp: 2240

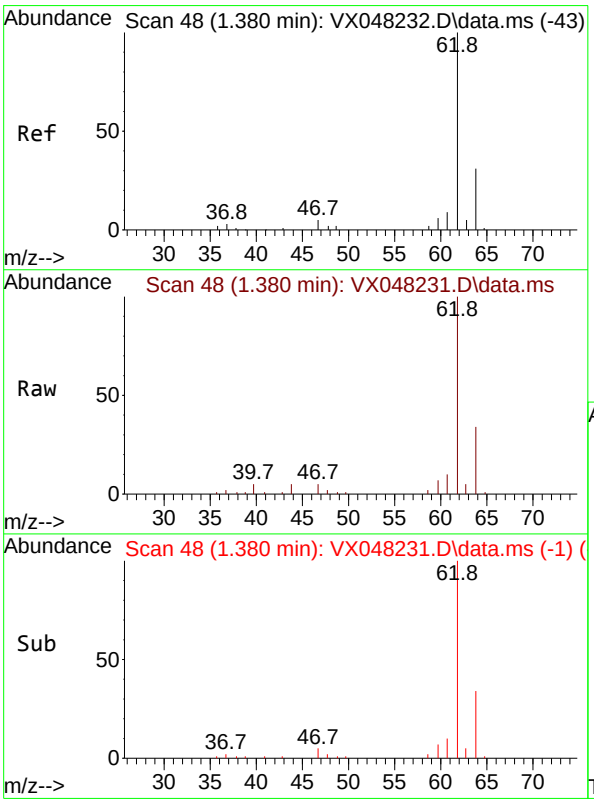
Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

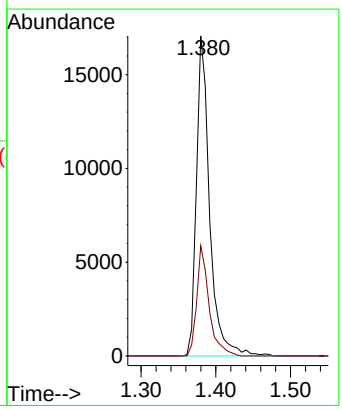
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

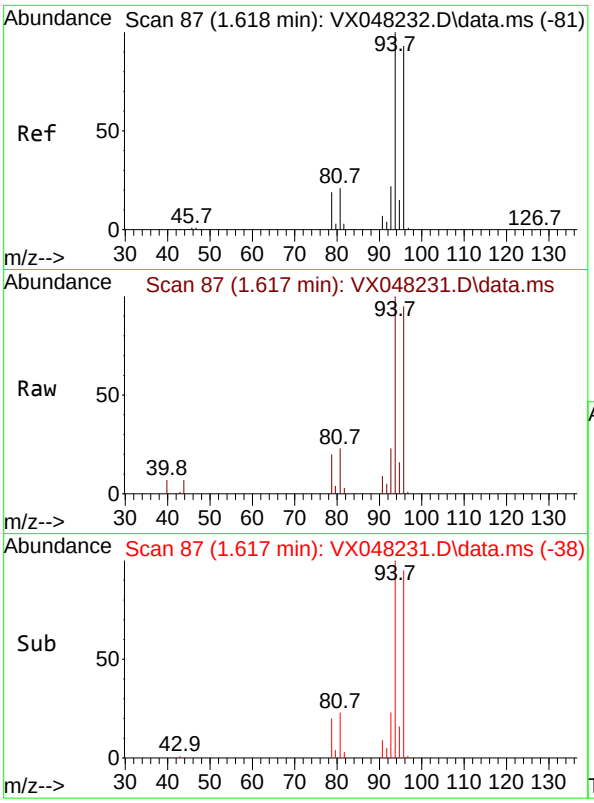


#4
Vinyl Chloride
Concen: 13.048 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 62 Resp: 20913

Ion	Ratio	Lower	Upper
62	100		
64	34.5	25.1	37.7

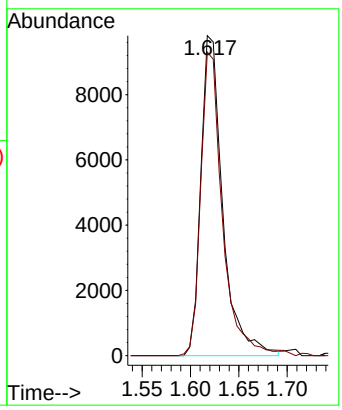




#5
Bromomethane
Concen: 14.517 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 94 Resp: 1547

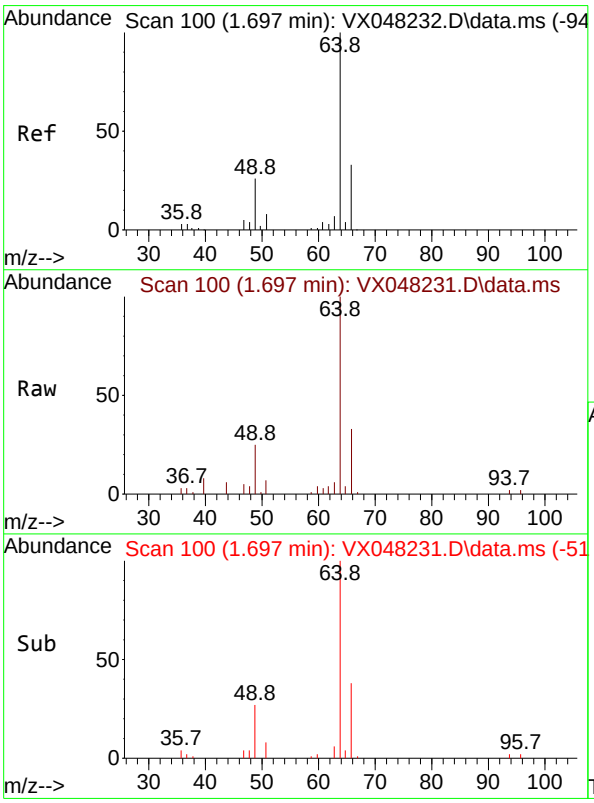
Ion	Ratio	Lower	Upper
94	100		
96	94.8	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

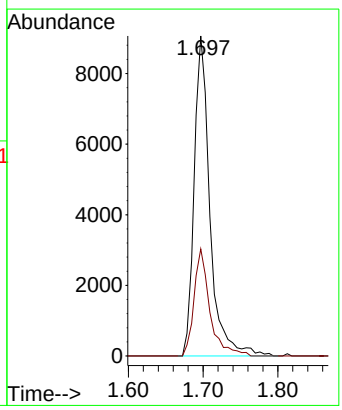
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

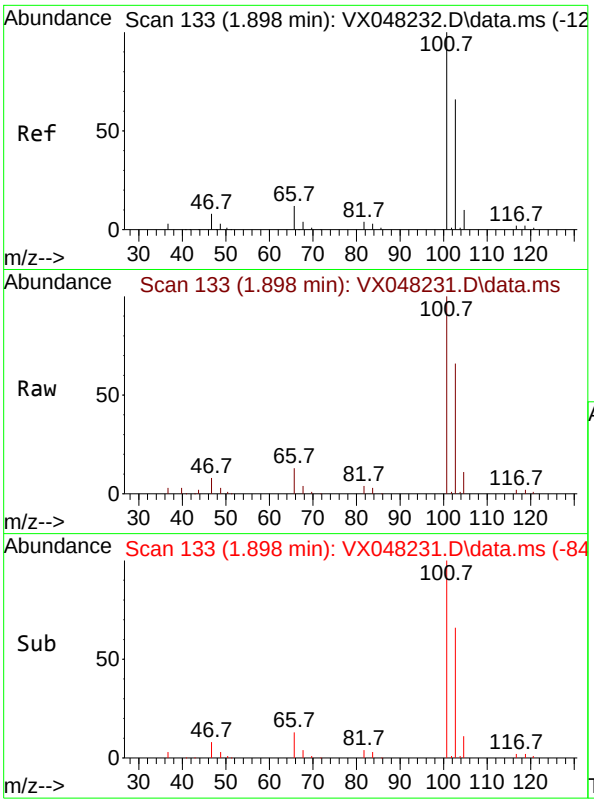


#6
Chloroethane
Concen: 12.990 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 64 Resp: 13249

Ion	Ratio	Lower	Upper
64	100		
66	33.4	23.9	35.9

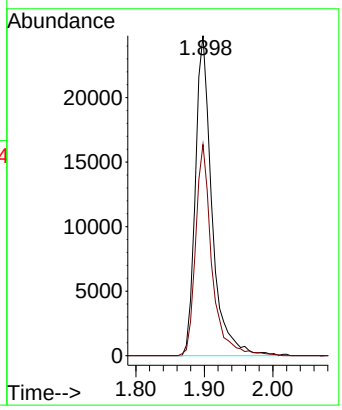




#7
Trichlorofluoromethane
Concen: 16.625 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:101 Resp: 4182

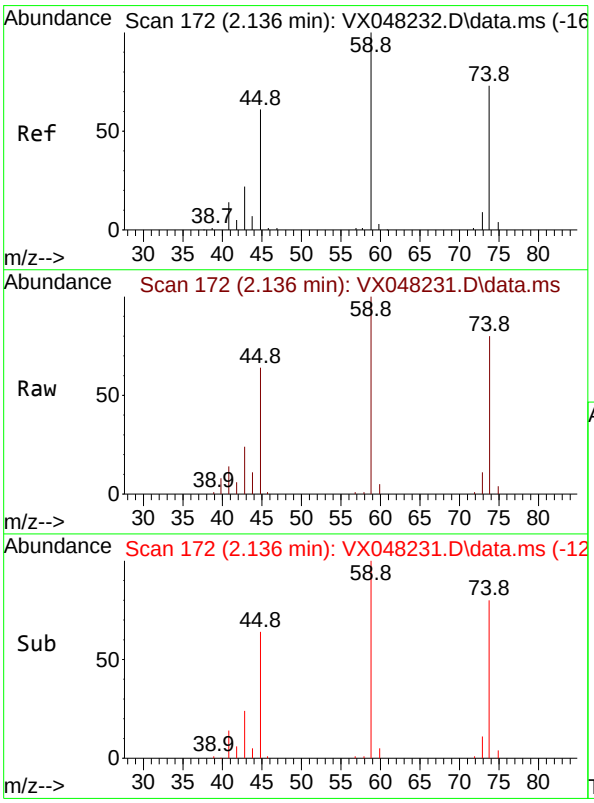
Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

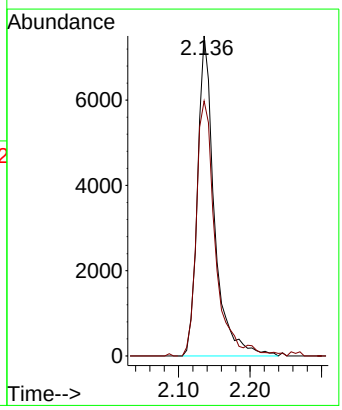
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

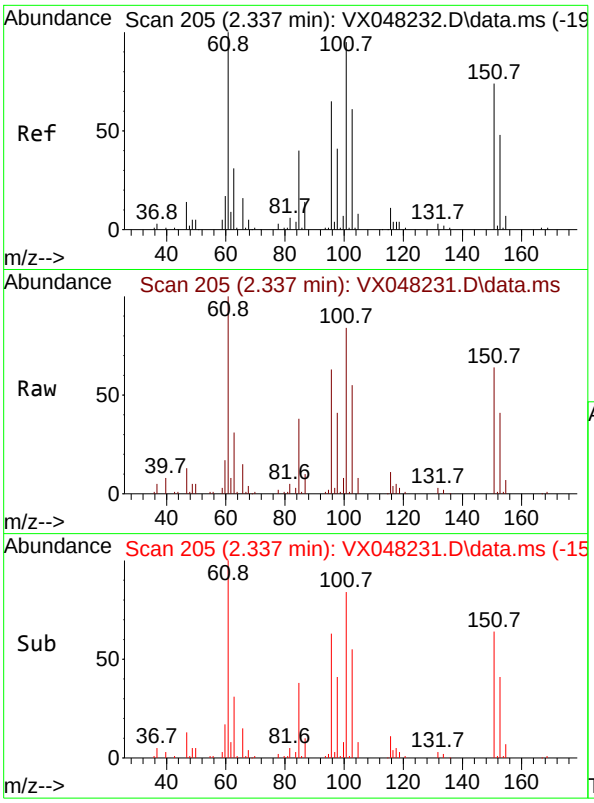


#8
Diethyl Ether
Concen: 14.325 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 74 Resp: 12293

Ion	Ratio	Lower	Upper
74	100		
45	86.6	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.229 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

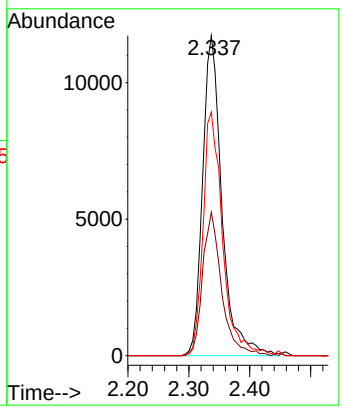
Tgt Ion:101 Resp: 2584

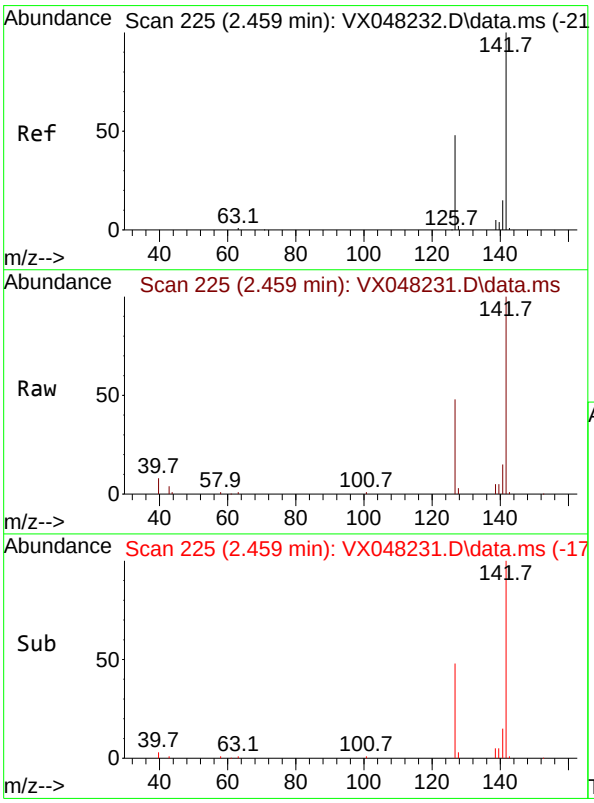
Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.6	53.4
151	76.9	58.0	87.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

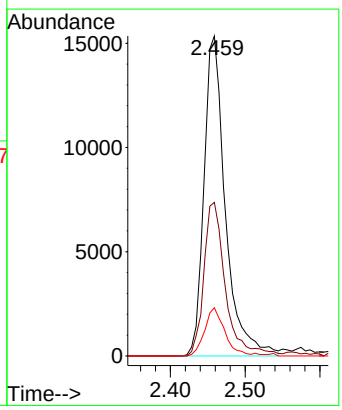


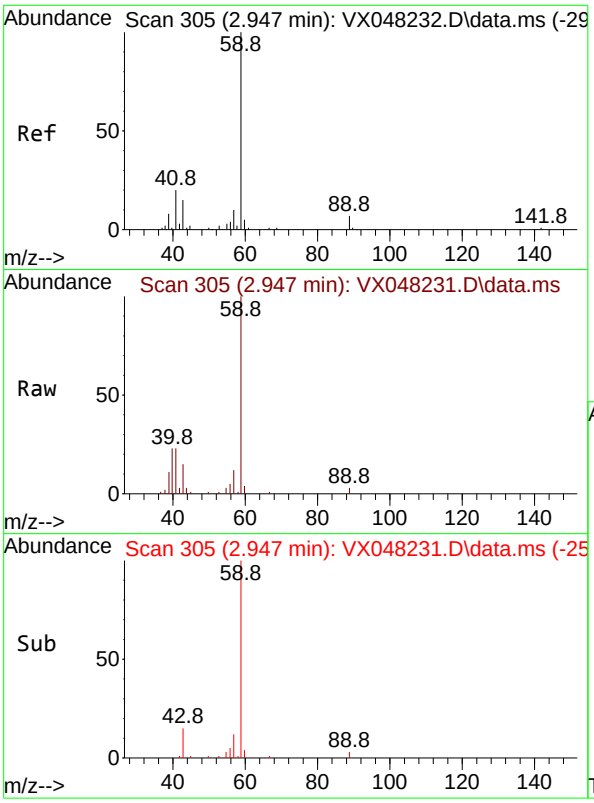


#10
Methyl Iodide
Concen: 17.934 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:142 Resp: 30452

Ion	Ratio	Lower	Upper
142	100		
127	48.4	38.5	57.7
141	14.2	11.6	17.4

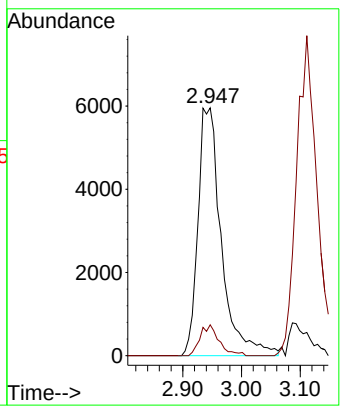




#11
Tert butyl alcohol
Concen: 134.353 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 59 Resp: 1652

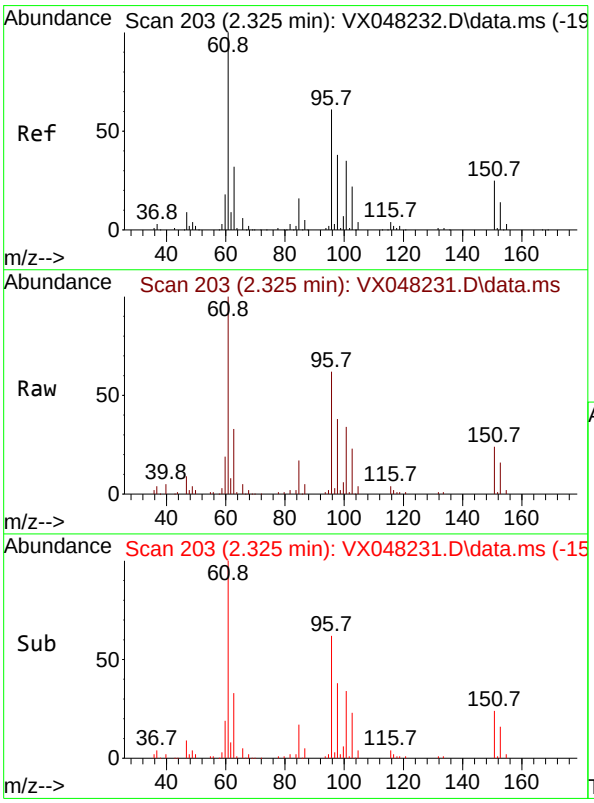
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

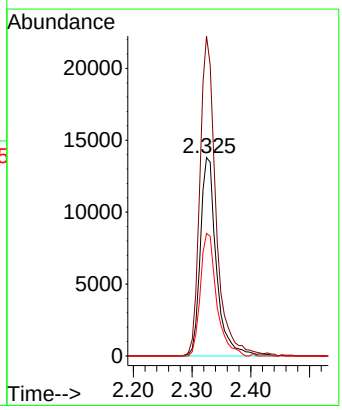
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

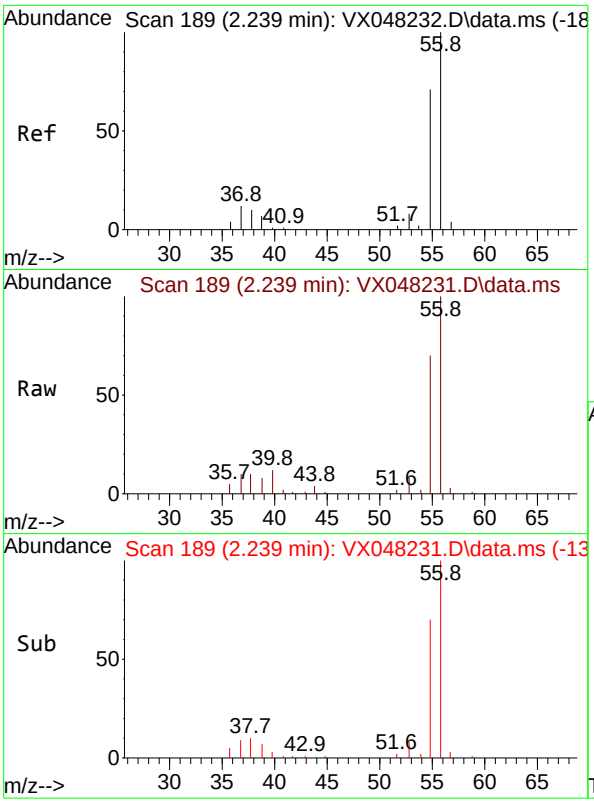


#12
1,1-Dichloroethene
Concen: 18.907 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 96 Resp: 26209

Ion	Ratio	Lower	Upper
96	100		
61	161.3	139.0	208.6
98	61.7	52.4	78.6





#13
Acrolein
Concen: 58.651 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

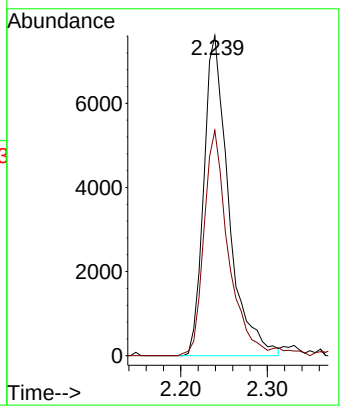
Tgt Ion: 56 Resp: 1515

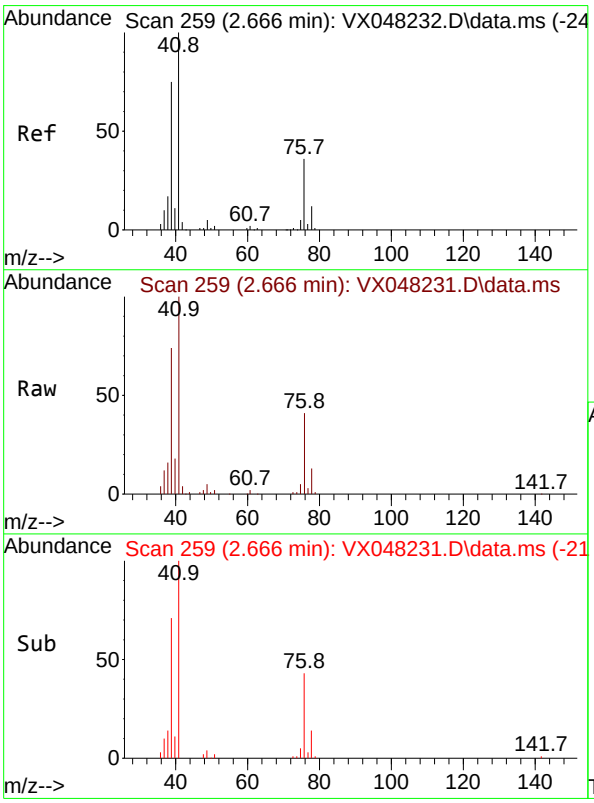
Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.1	84.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

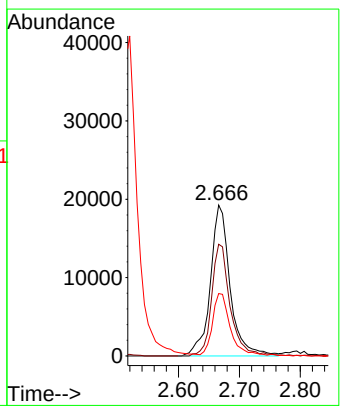


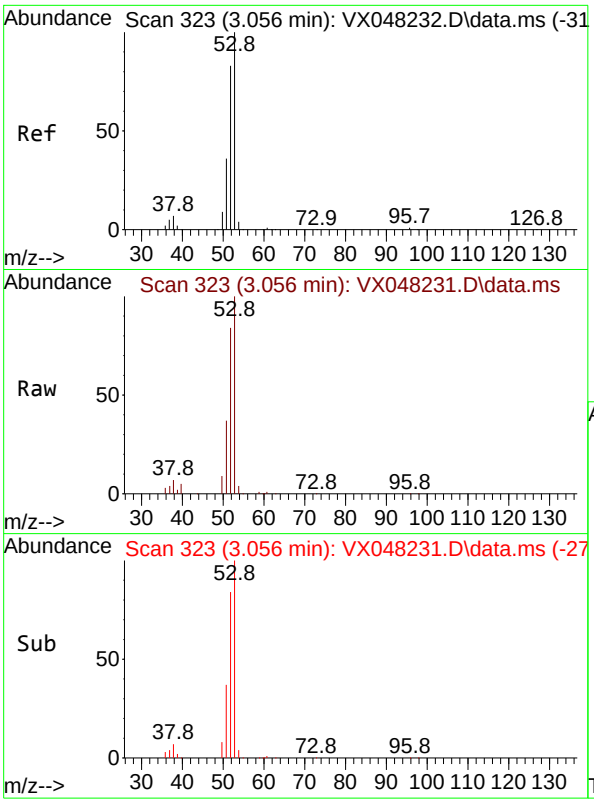


#14
Allyl chloride
Concen: 17.443 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 41 Resp: 43494

Ion	Ratio	Lower	Upper
41	100		
39	69.2	56.0	84.0
76	36.0	27.5	41.3

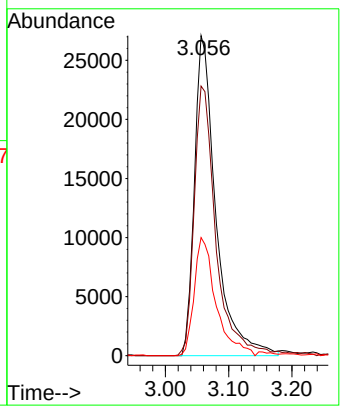




#15
Acrylonitrile
Concen: 108.499 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 53 Resp: 6393

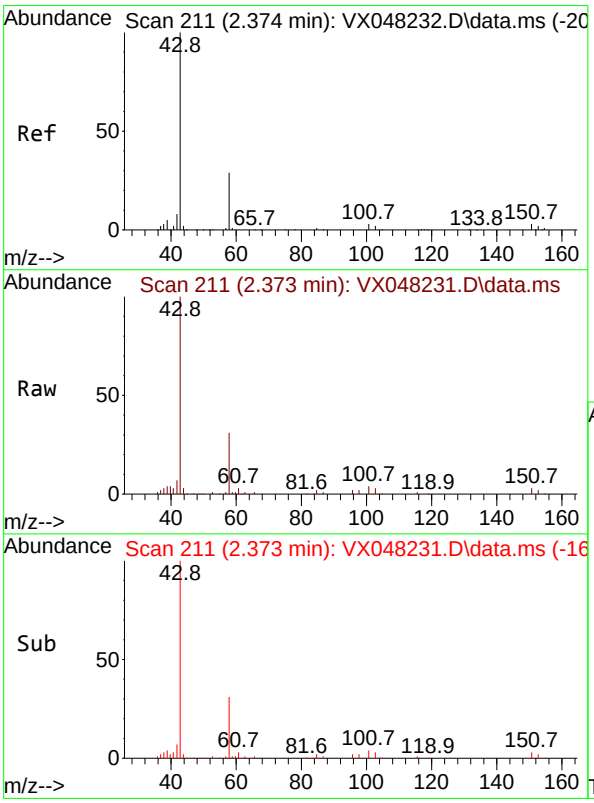
Ion	Ratio	Lower	Upper
53	100		
52	86.2	66.1	99.1
51	37.4	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

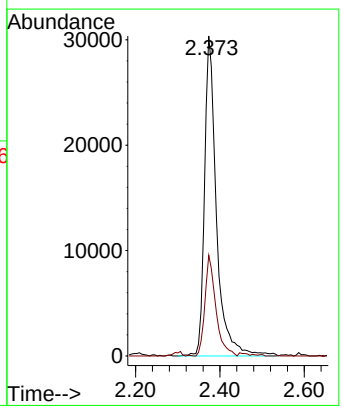
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

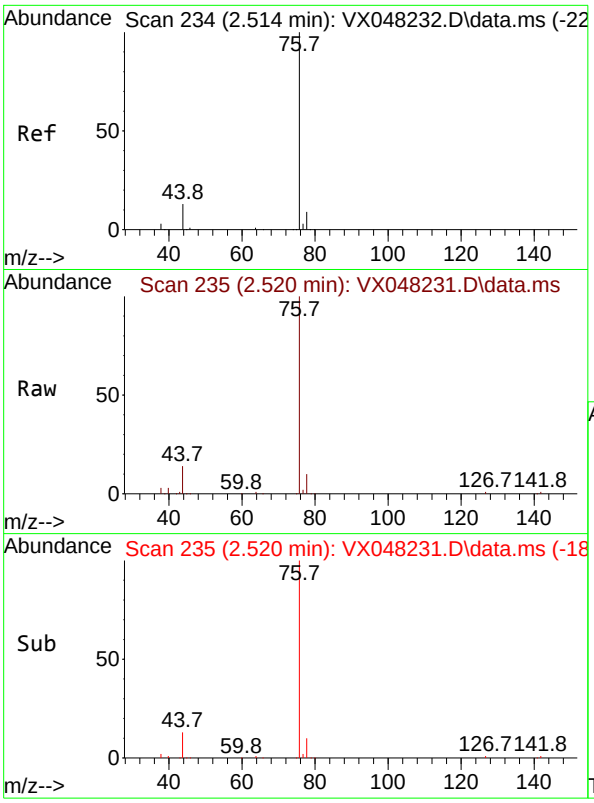


#16
Acetone
Concen: 94.723 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 59884

Ion	Ratio	Lower	Upper
43	100		
58	31.3	23.4	35.2





#17
Carbon Disulfide
Concen: 18.087 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

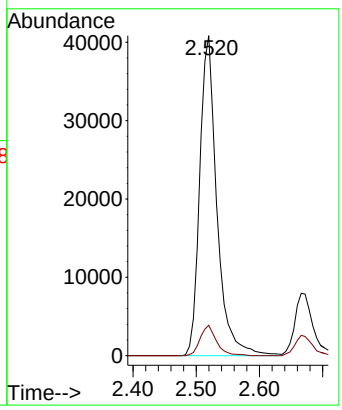
Tgt Ion: 76 Resp: 7714

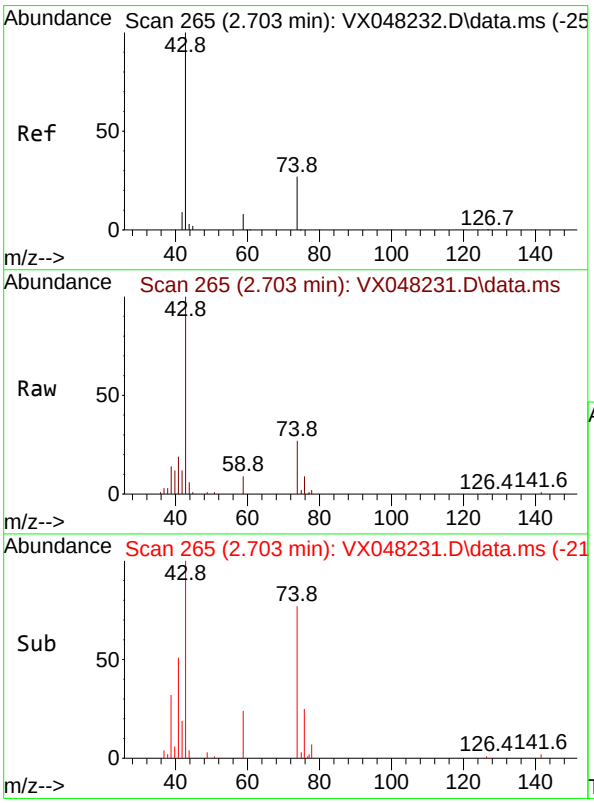
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

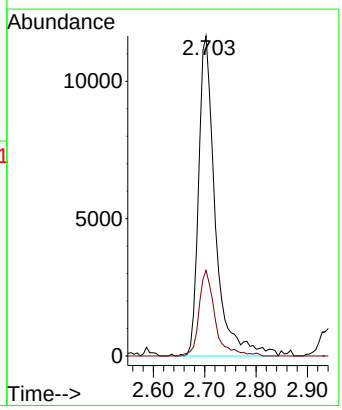


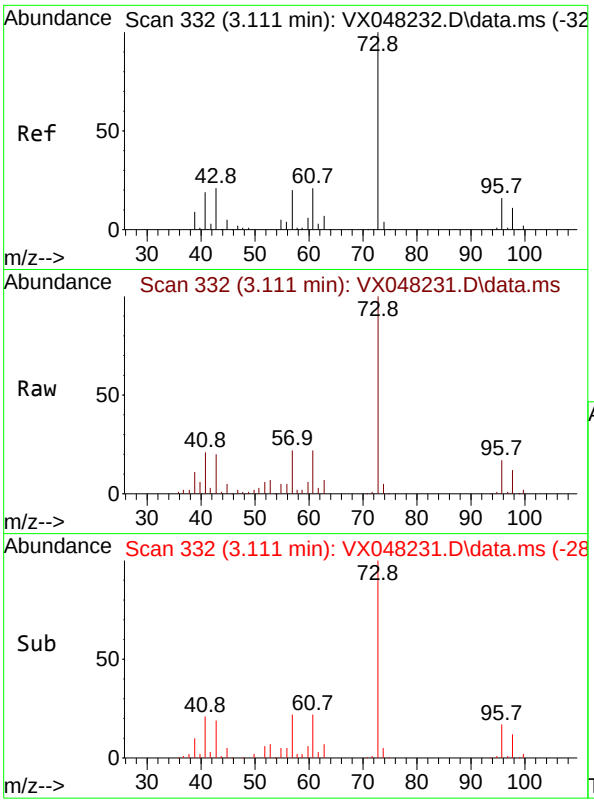


#18
Methyl Acetate
Concen: 20.482 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 26374

Ion	Ratio	Lower	Upper
43	100		
74	25.7	17.5	26.3

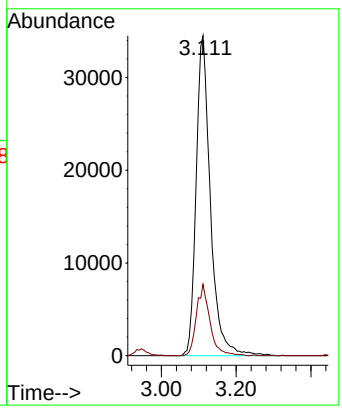




#19
Methyl tert-butyl Ether
Concen: 21.877 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 73 Resp: 9134

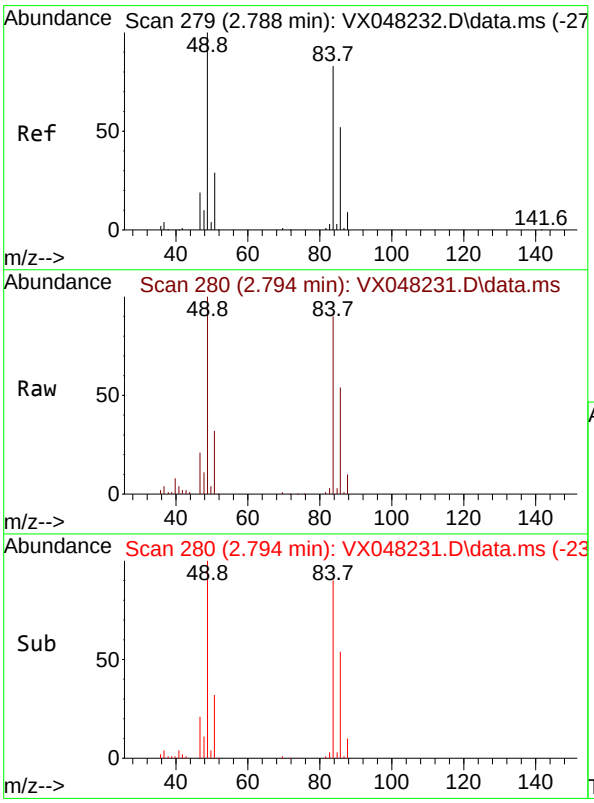
Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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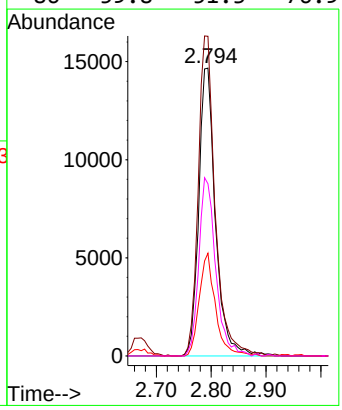
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

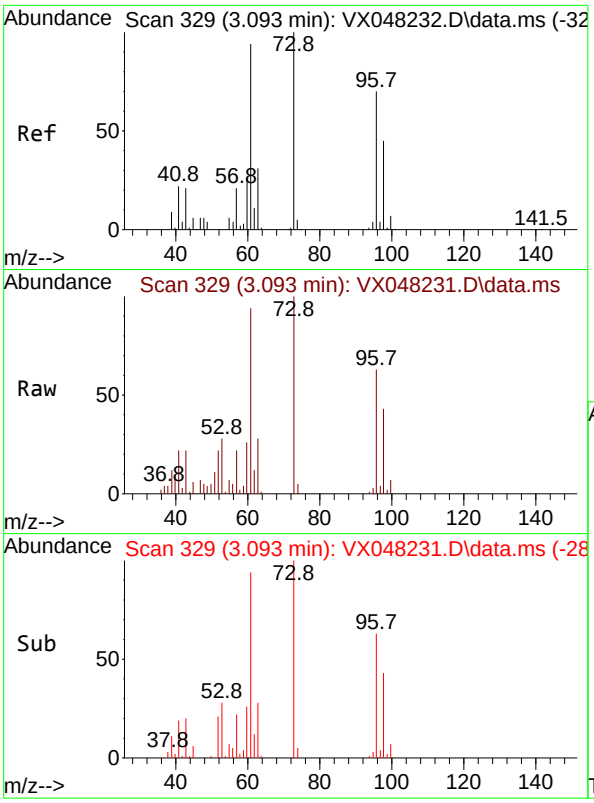


#20
Methylene Chloride
Concen: 20.231 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 84 Resp: 31157

Ion	Ratio	Lower	Upper
84	100		
49	111.1	104.1	156.1
51	35.7	31.3	46.9
86	59.8	51.3	76.9





#21
trans-1,2-Dichloroethene
Concen: 19.525 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

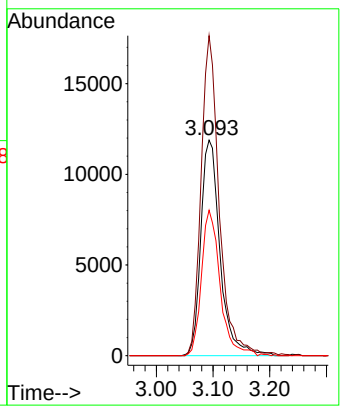
Tgt Ion: 96 Resp: 2800

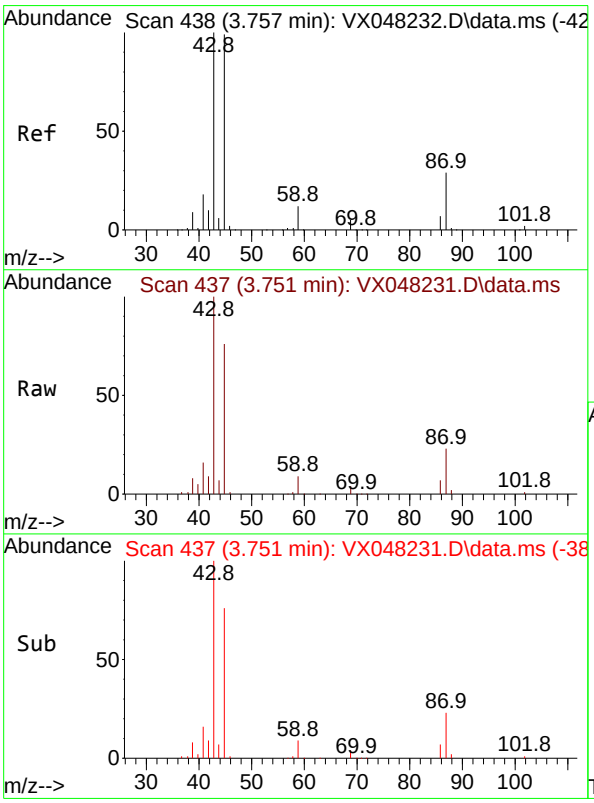
Ion	Ratio	Lower	Upper
96	100		
61	148.5	111.9	167.9
98	67.5	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

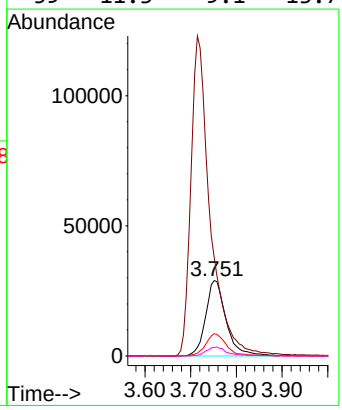


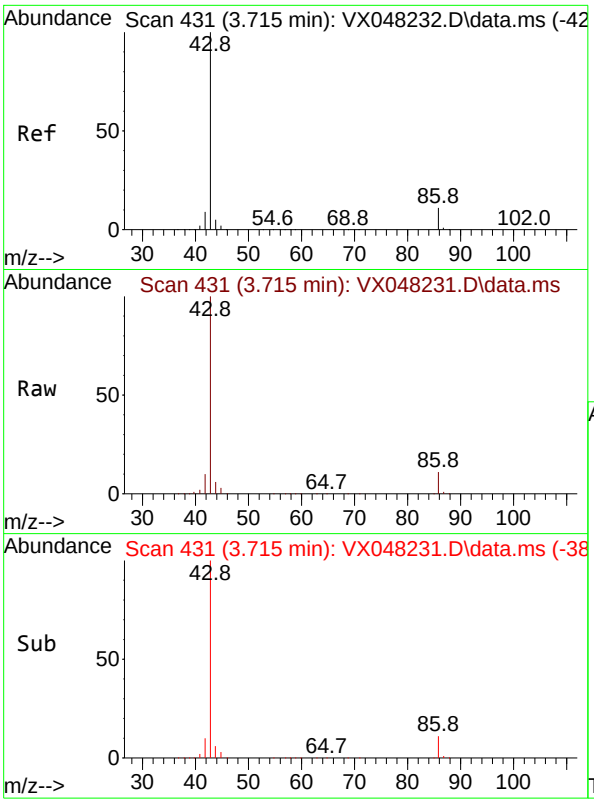


#22
Diisopropyl ether
Concen: 18.439 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 45 Resp: 90030

Ion	Ratio	Lower	Upper
45	100		
43	129.3	89.8	134.8
87	29.6	20.6	31.0
59	11.3	9.1	13.7





#23
Vinyl Acetate
Concen: 99.706 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

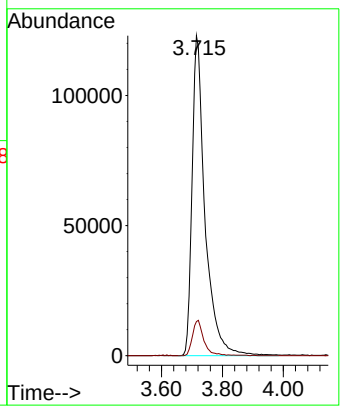
Tgt Ion: 43 Resp: 364009

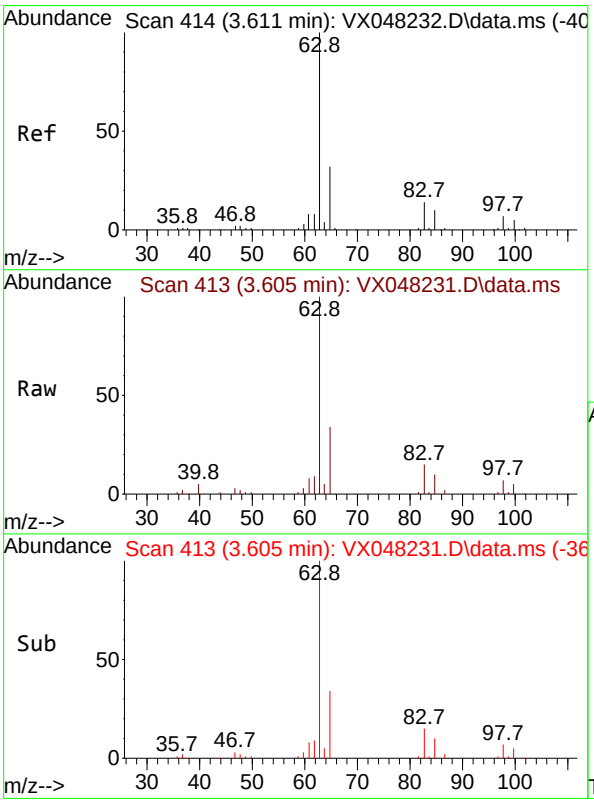
Ion	Ratio	Lower	Upper
43	100		
86	10.6	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

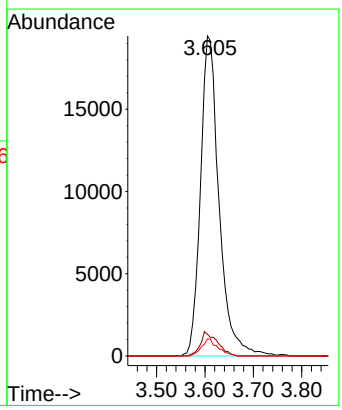


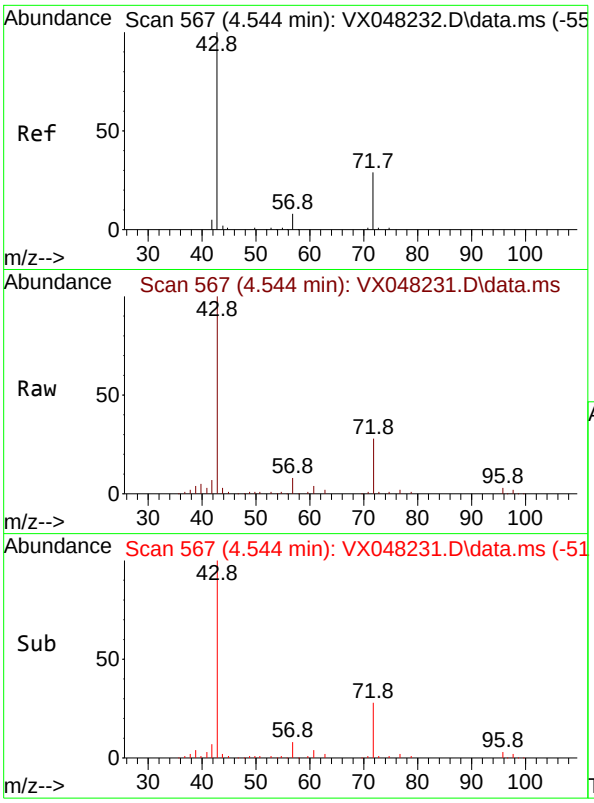


#24
1,1-Dichloroethane
Concen: 18.746 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 63 Resp: 51927

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	5.4	2.1	6.3





#25
2-Butanone
Concen: 106.774 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

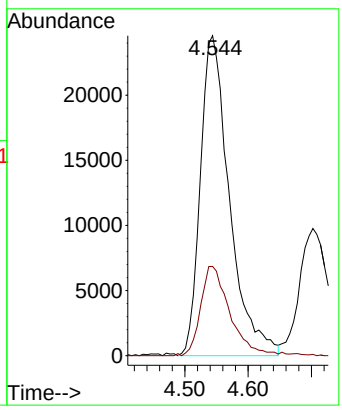
Tgt Ion: 43 Resp: 7864

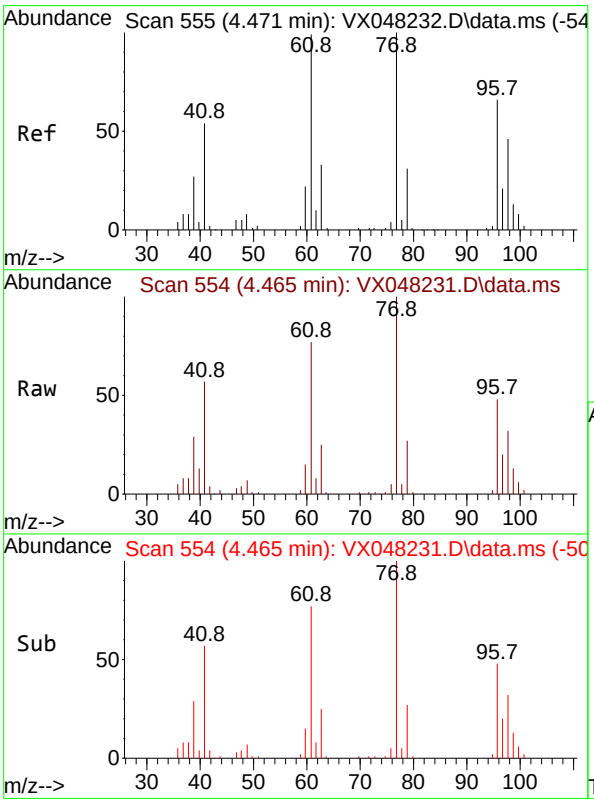
Ion	Ratio	Lower	Upper
43	100		
72	27.6	19.9	29.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

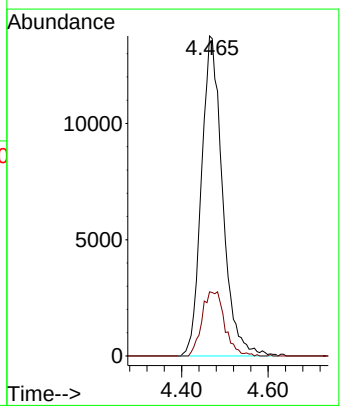


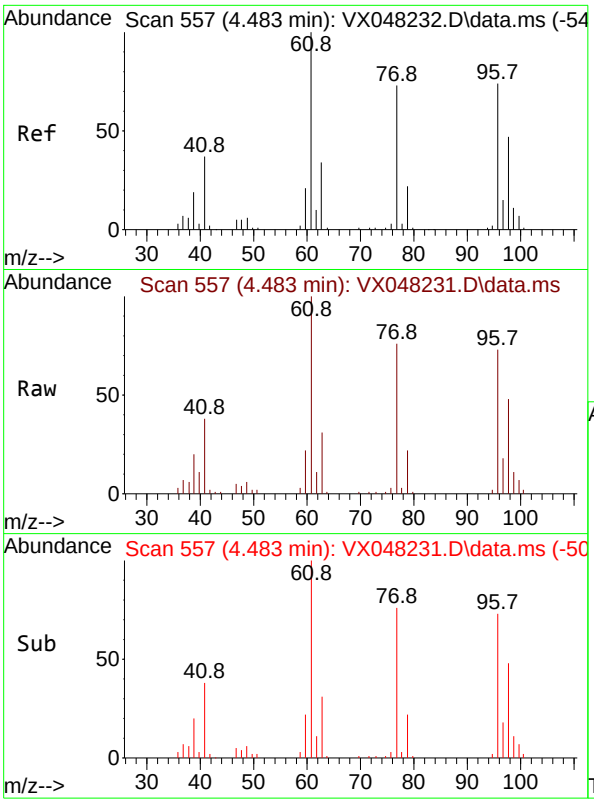


#26
2,2-Dichloropropane
Concen: 19.669 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 77 Resp: 46568

Ion	Ratio	Lower	Upper
77	100		
97	21.7	11.1	33.3





#27
cis-1,2-Dichloroethene
Concen: 19.688 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

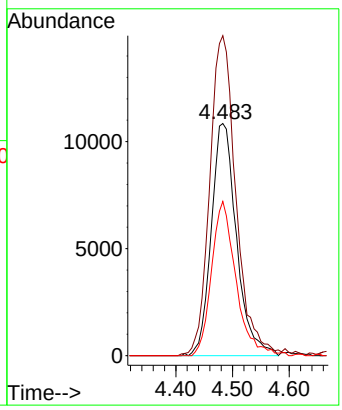
Tgt Ion: 96 Resp: 3350

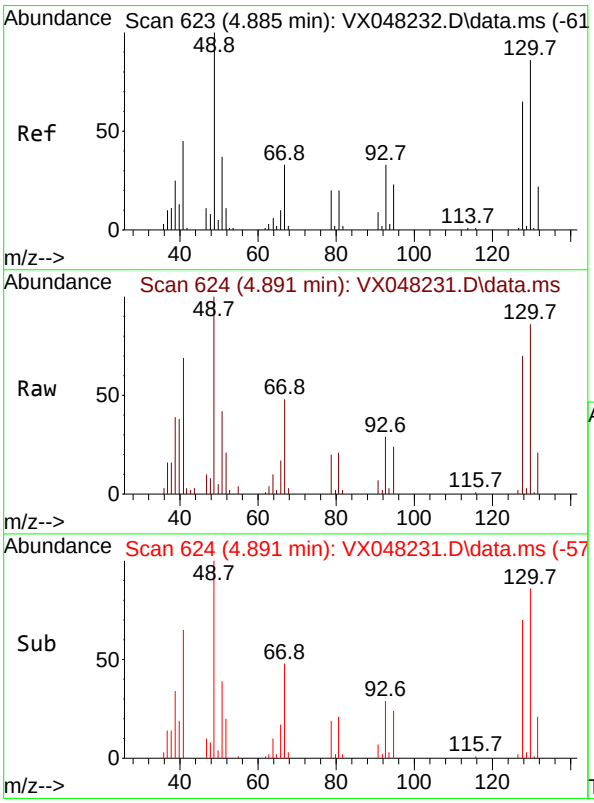
Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	294.2
98	64.3	0.0	128.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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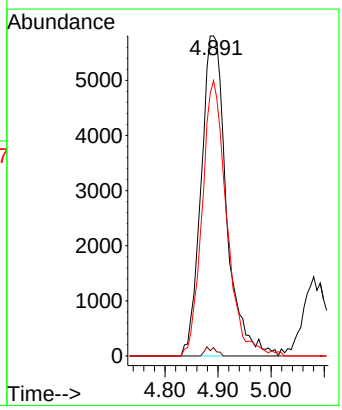


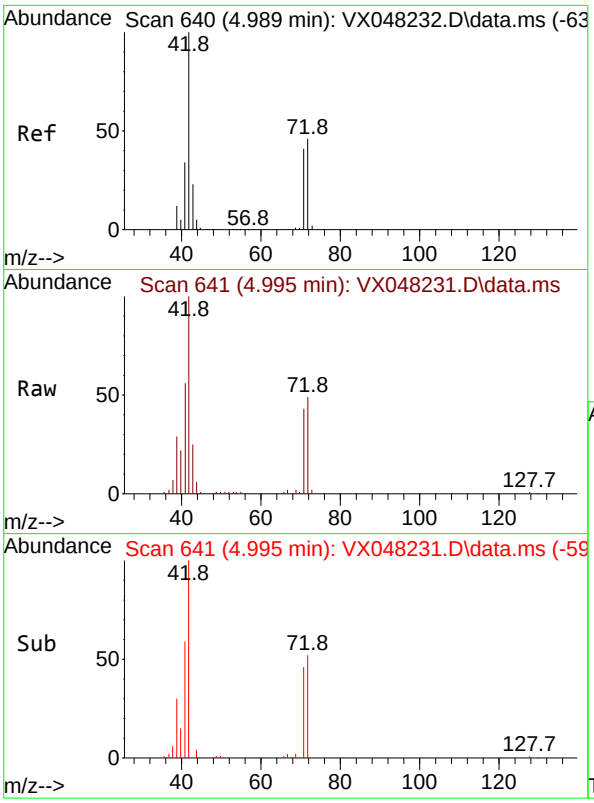


#28
Bromochloromethane
Concen: 15.146 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 49 Resp: 19339

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	82.7	59.3	88.9





#29
Tetrahydrofuran
Concen: 109.718 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

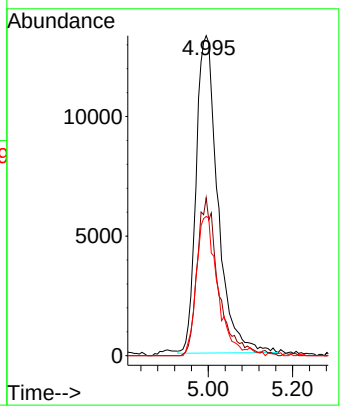
Tgt Ion: 42 Resp: 4745

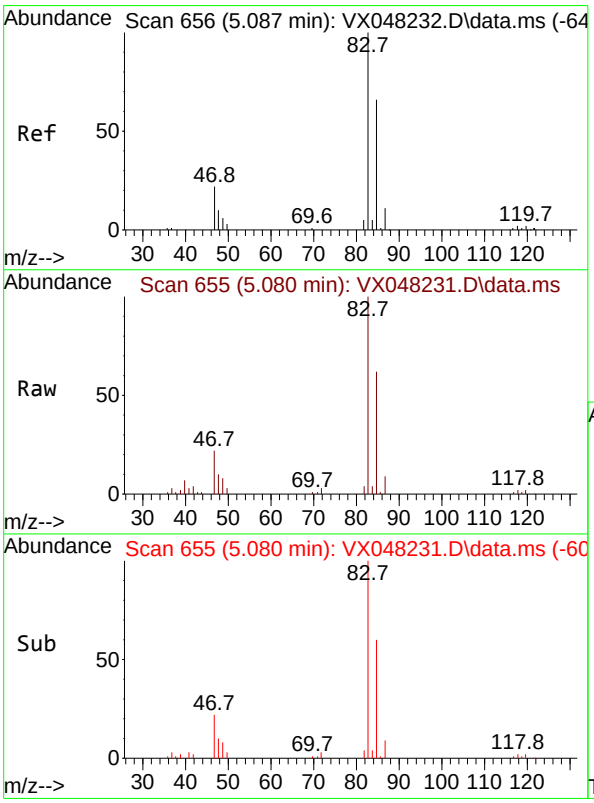
Ion	Ratio	Lower	Upper
42	100		
72	48.5	35.3	52.9
71	43.2	32.2	48.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
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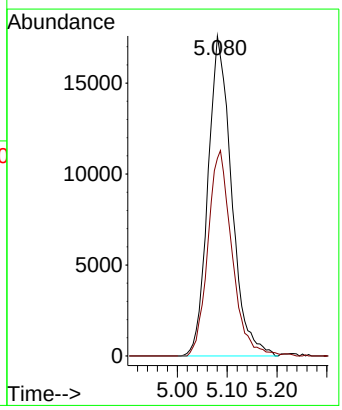


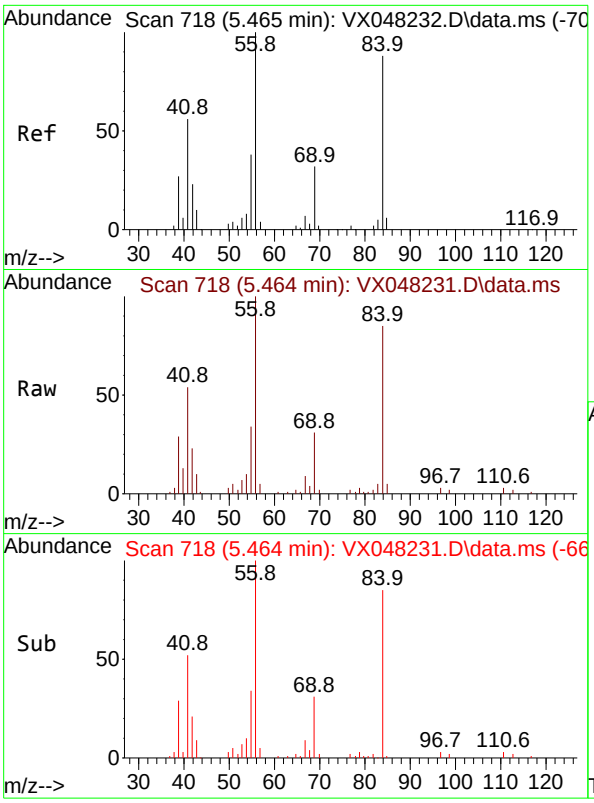


#30
Chloroform
Concen: 19.813 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 83 Resp: 57780

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.1	75.1

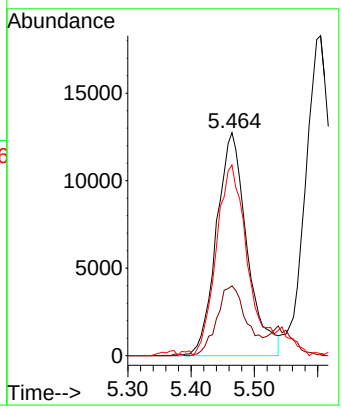




#31
Cyclohexane
Concen: 18.882 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 56 Resp: 4279

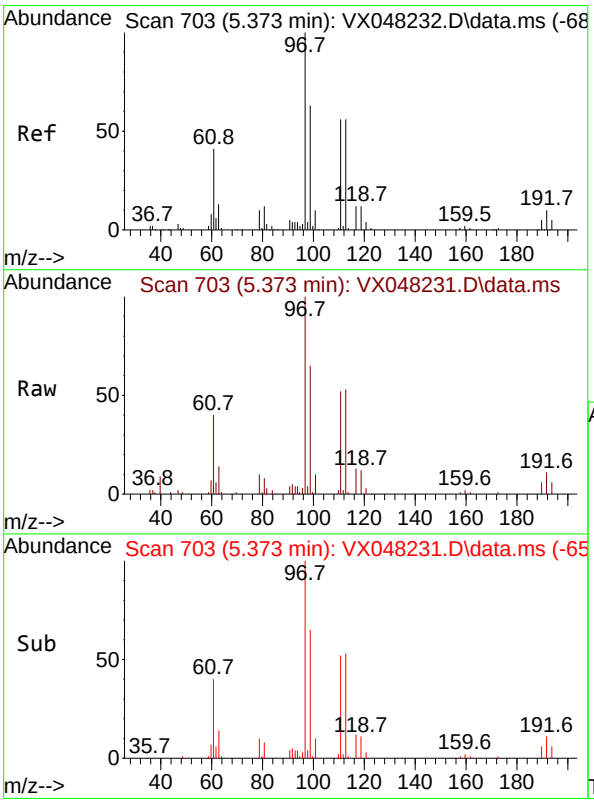
Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.0	34.6
84	85.5	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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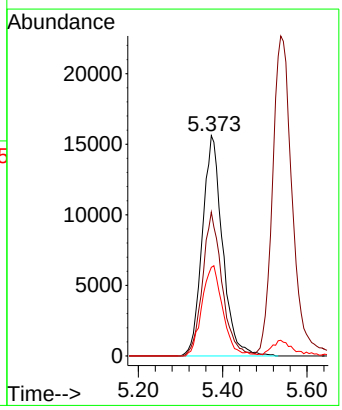
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

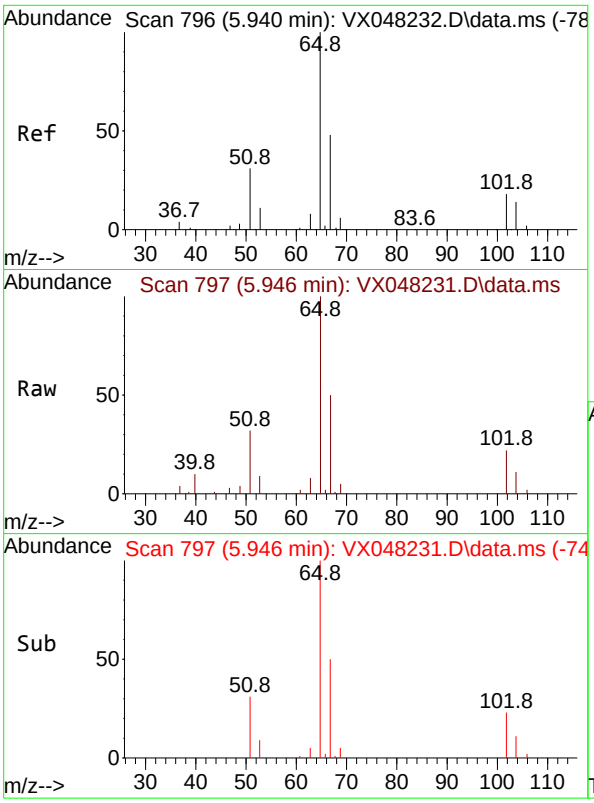


#32
1,1,1-Trichloroethane
Concen: 21.672 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 97 Resp: 51929

Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.7	77.5
61	42.4	34.8	52.2

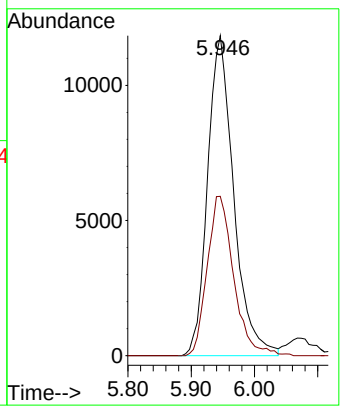




#33
1,2-Dichloroethane-d4
Concen: 18.312 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 65 Resp: 3393

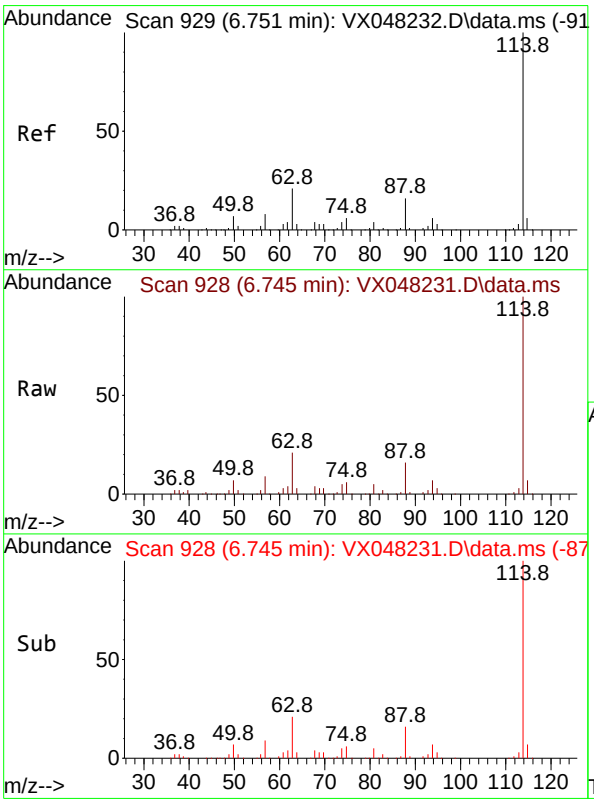
Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

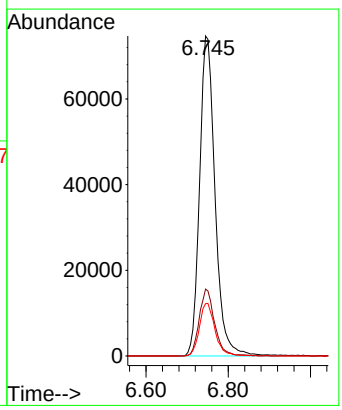
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

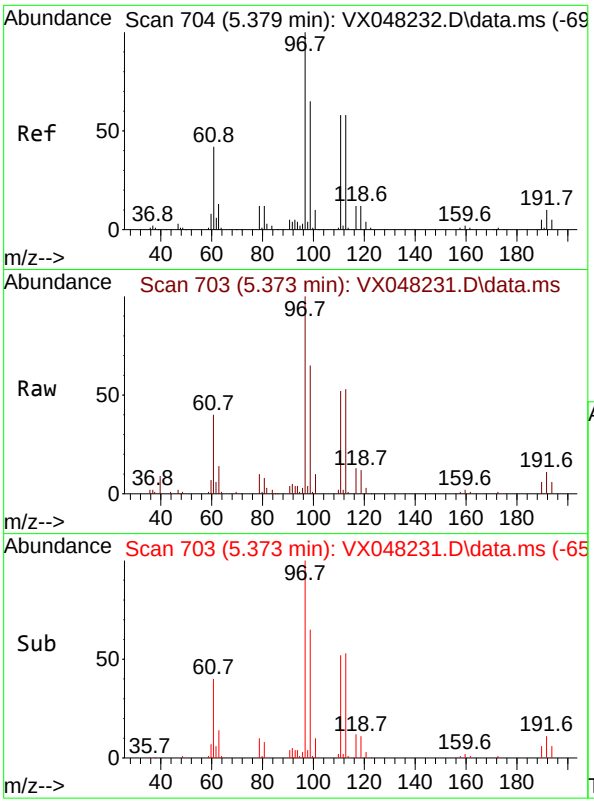


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:114 Resp: 195028

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.2
88	16.4	0.0	33.6

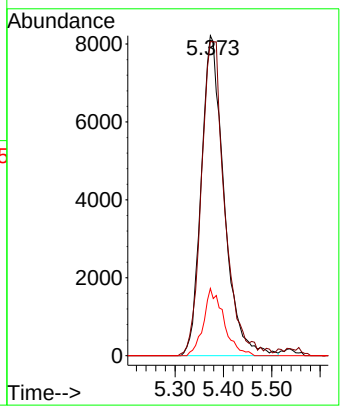




#35
Dibromofluoromethane
Concen: 19.872 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:113 Resp: 2689

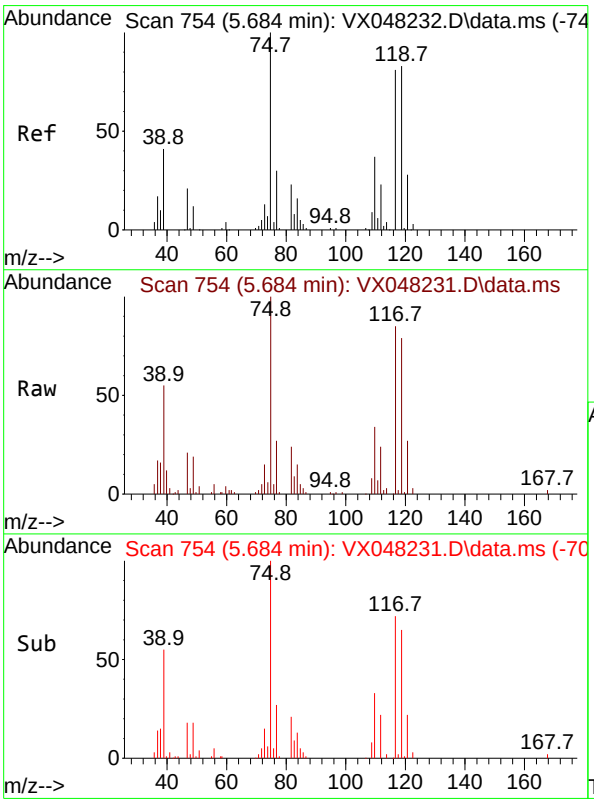
Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.2	123.4
192	18.8	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

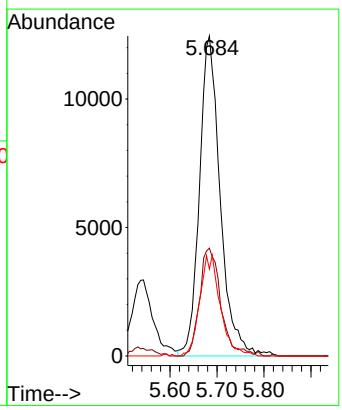
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

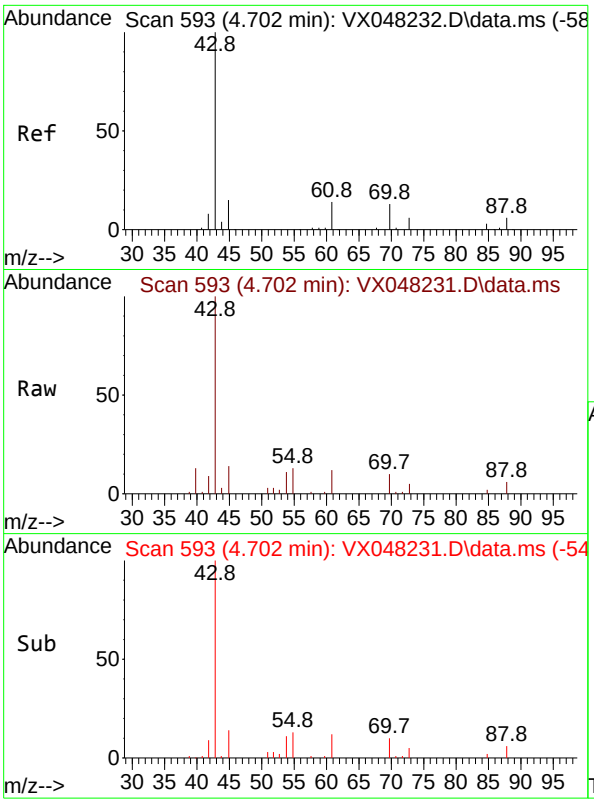


#36
1,1-Dichloropropene
Concen: 20.071 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 38270

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.7	53.1
77	31.1	24.3	36.5





#37
Ethyl Acetate
Concen: 20.280 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

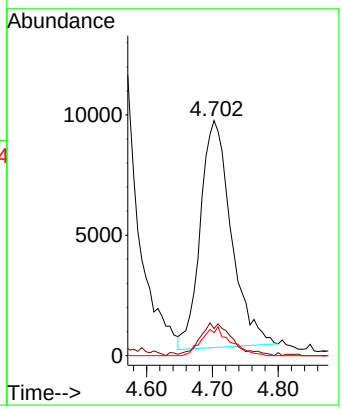
Tgt Ion: 43 Resp: 3090

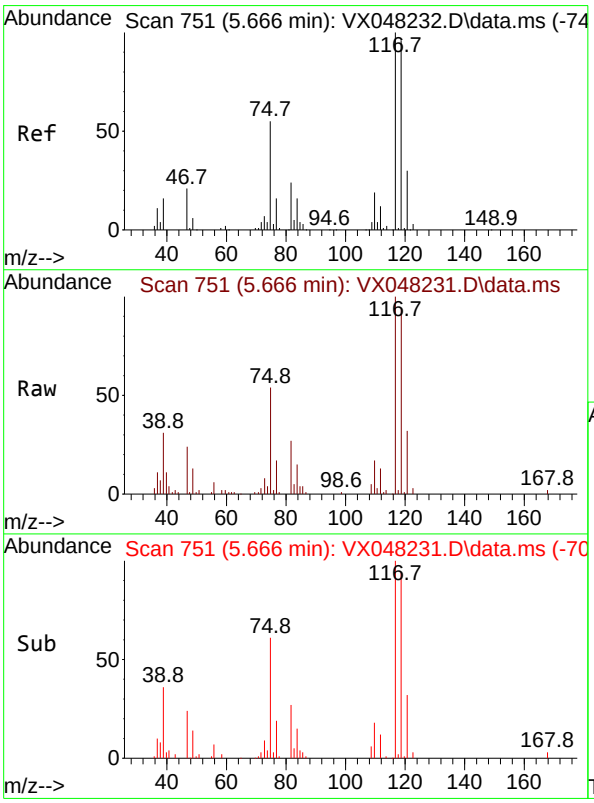
Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.6	15.8
70	11.7	7.8	11.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
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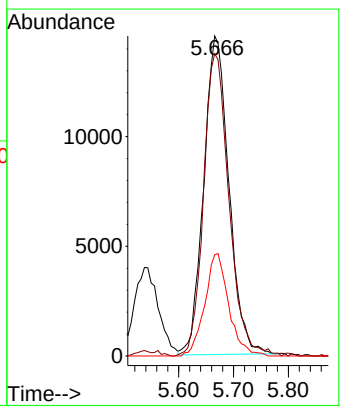


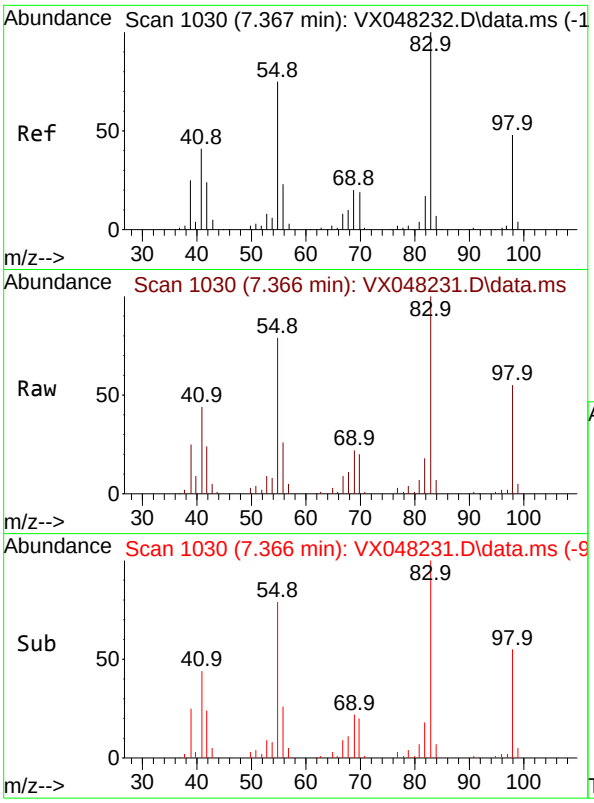


#38
Carbon Tetrachloride
Concen: 21.166 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:117 Resp: 46323

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.2	115.8
121	31.8	24.8	37.2

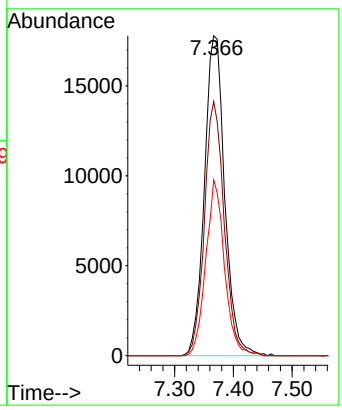




#39
Methylcyclohexane
Concen: 19.897 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 83 Resp: 4277

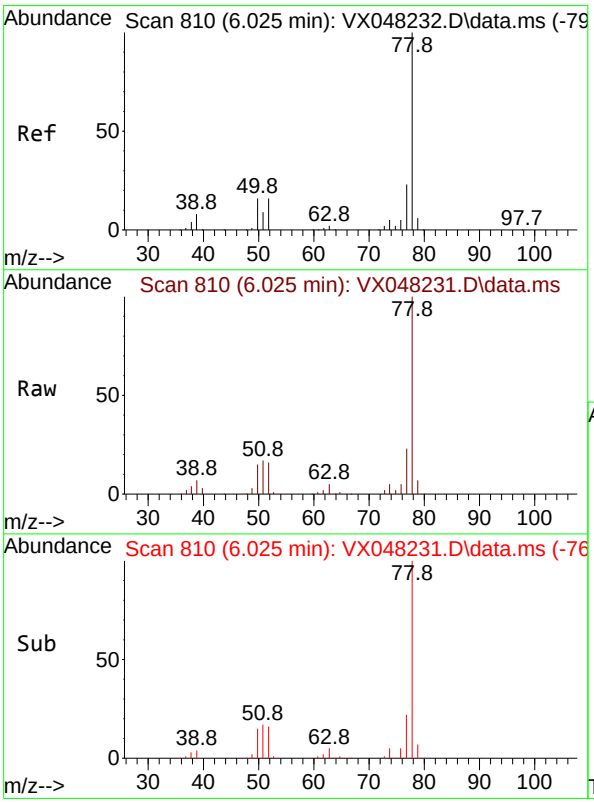
Ion	Ratio	Lower	Upper
83	100		
55	79.4	66.2	99.2
98	54.9	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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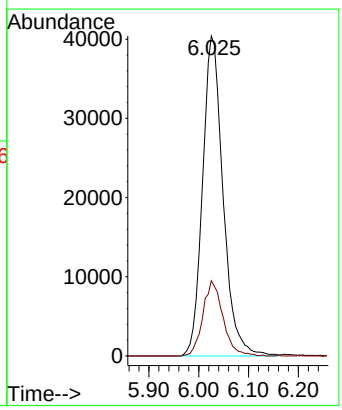
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

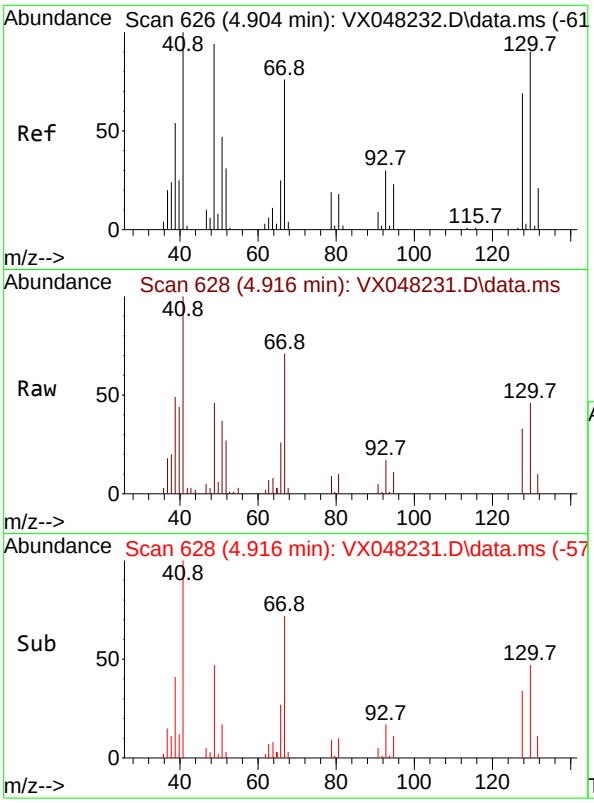


#40
Benzene
Concen: 20.398 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 78 Resp: 115488

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9

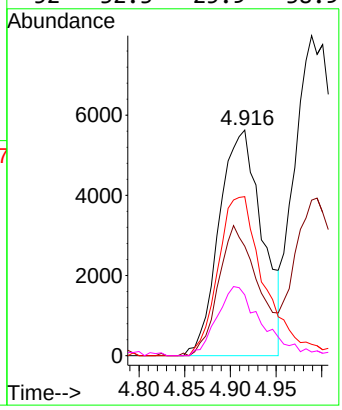




#41
Methacrylonitrile
Concen: 22.621 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 41 Resp: 1846

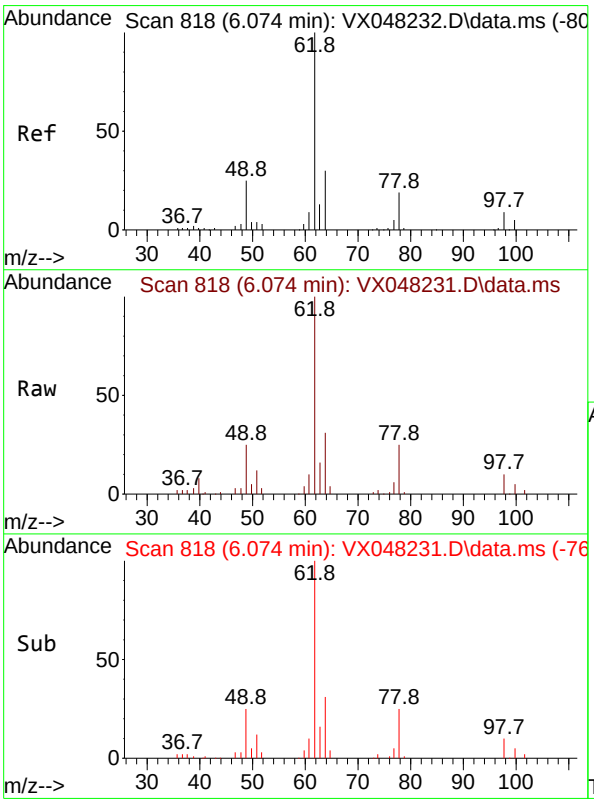
Ion	Ratio	Lower	Upper
41	100		
39	53.4	44.0	66.0
67	76.9	58.7	88.1
52	32.3	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

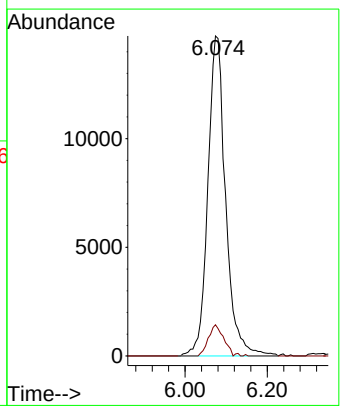
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

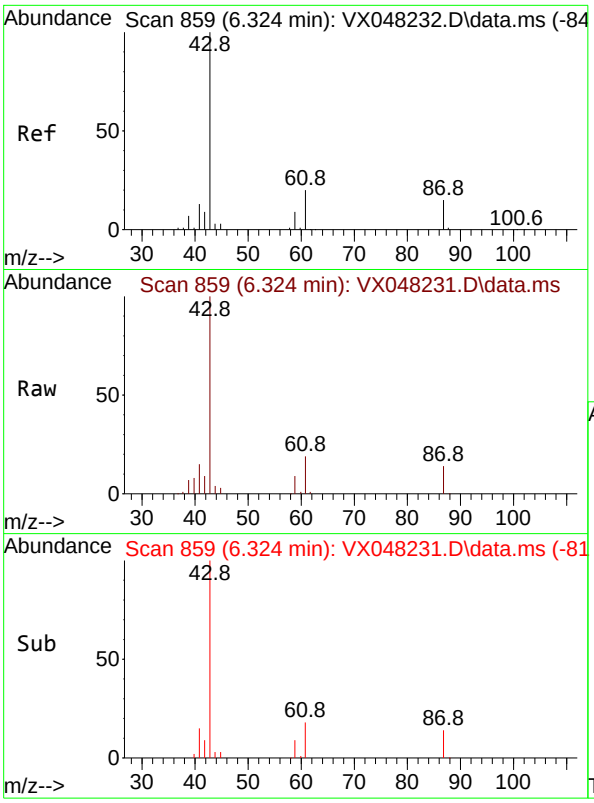


#42
1,2-Dichloroethane
Concen: 21.778 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 62 Resp: 44176

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2

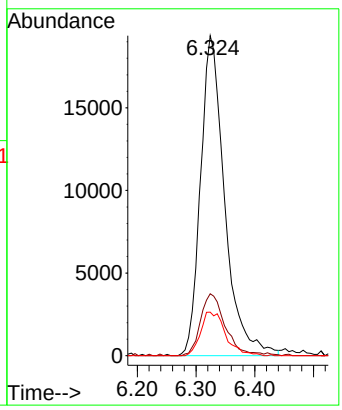




#43
Isopropyl Acetate
Concen: 21.625 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 5531

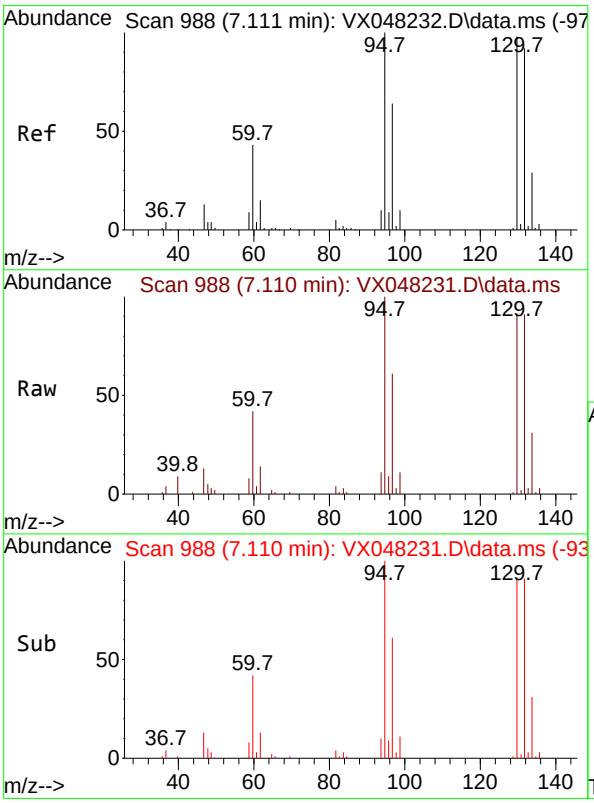
Ion	Ratio	Lower	Upper
43	100		
61	19.9	14.9	22.3
87	14.1	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

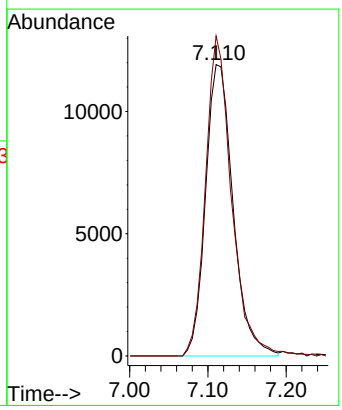
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

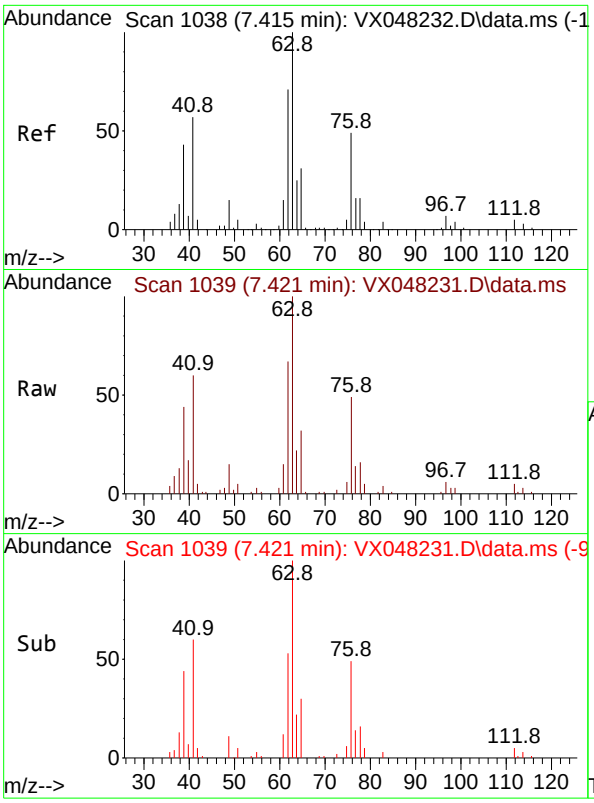


#44
Trichloroethene
Concen: 20.399 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:130 Resp: 29108

Ion	Ratio	Lower	Upper
130	100		
95	109.8	0.0	200.6

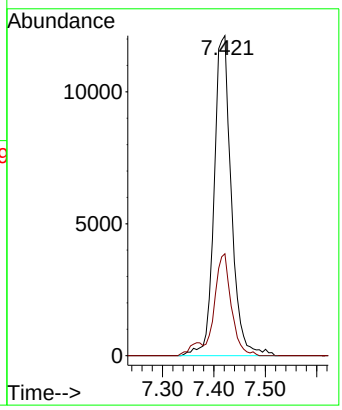




#45
1,2-Dichloropropane
Concen: 19.709 ug/l
RT: 7.421 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 63 Resp: 2824

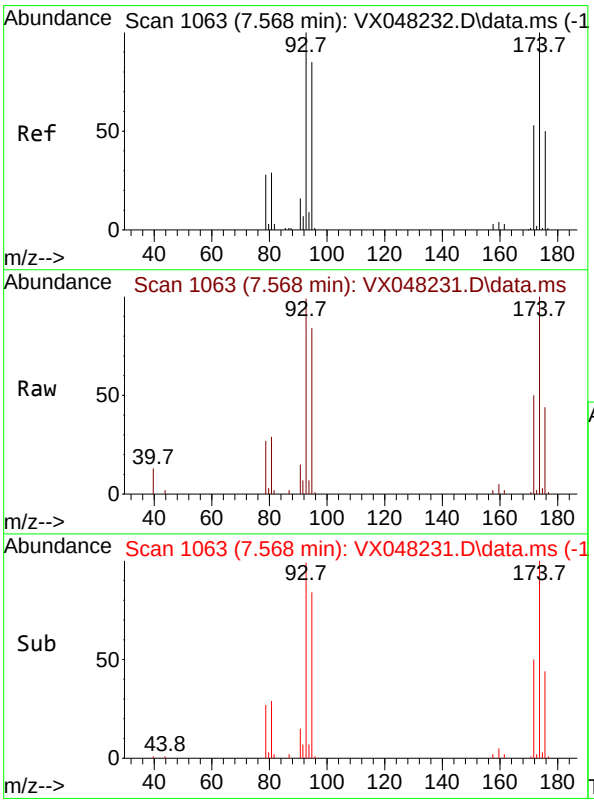
Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

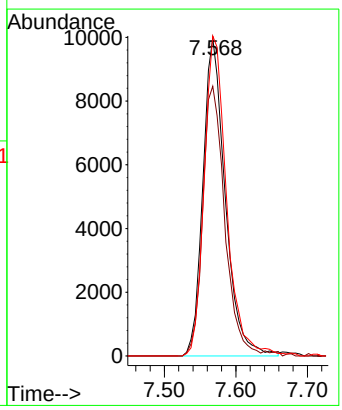
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

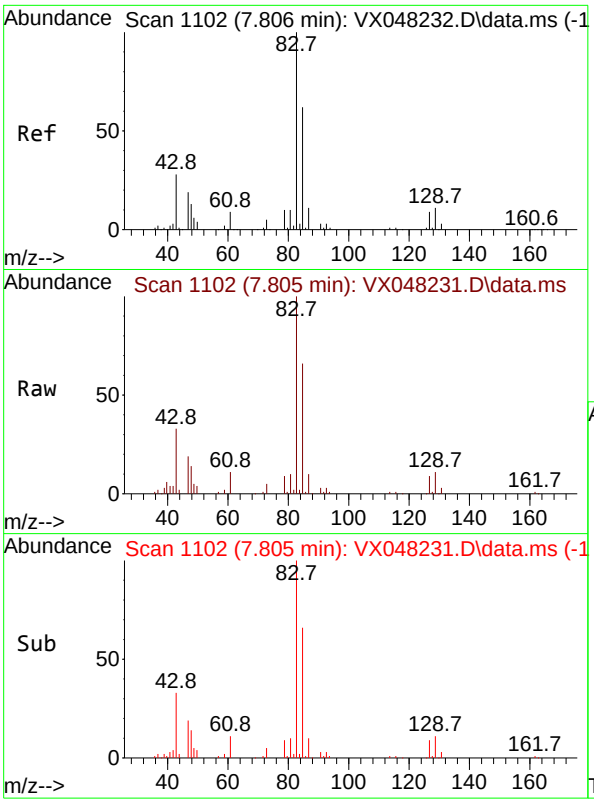


#46
Dibromomethane
Concen: 20.955 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 93 Resp: 21605

Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.9	98.9
174	101.4	71.7	107.5

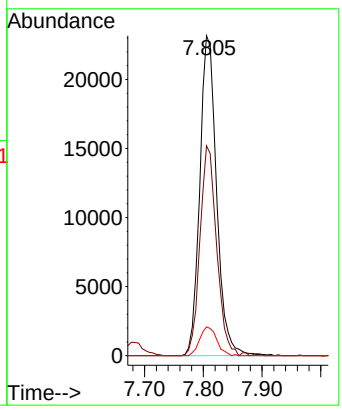




#47
Bromodichloromethane
Concen: 20.743 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 83 Resp: 4622

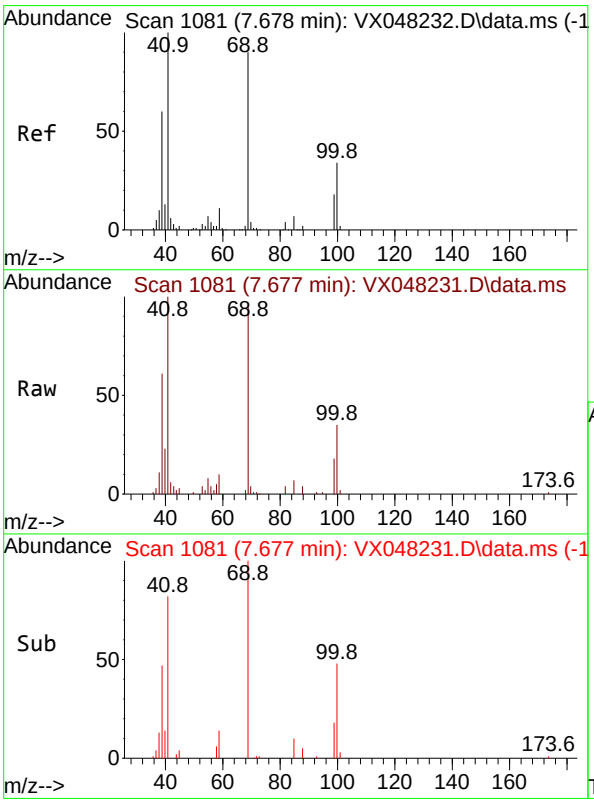
Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.2	78.4
127	9.0	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

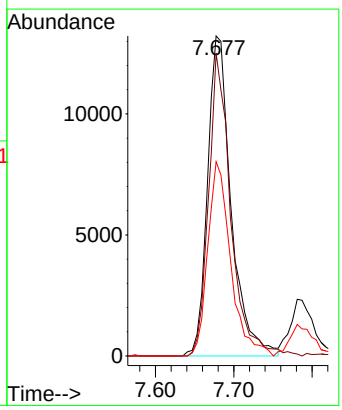
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

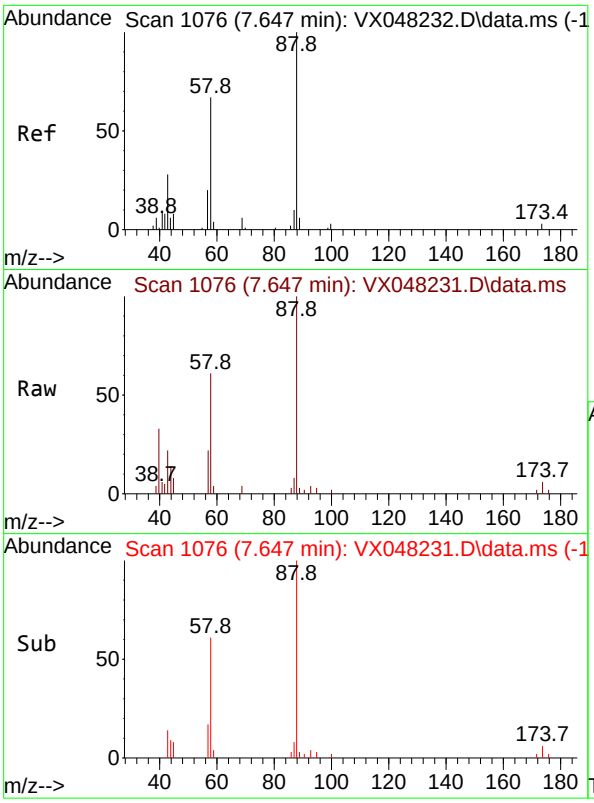


#48
Methyl methacrylate
Concen: 21.193 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 41 Resp: 27751

Ion	Ratio	Lower	Upper
41	100		
69	88.6	63.4	95.0
39	58.7	47.1	70.7

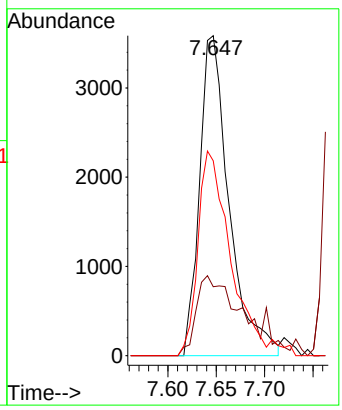




#49
1,4-Dioxane
Concen: 646.470 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 88 Resp: 762

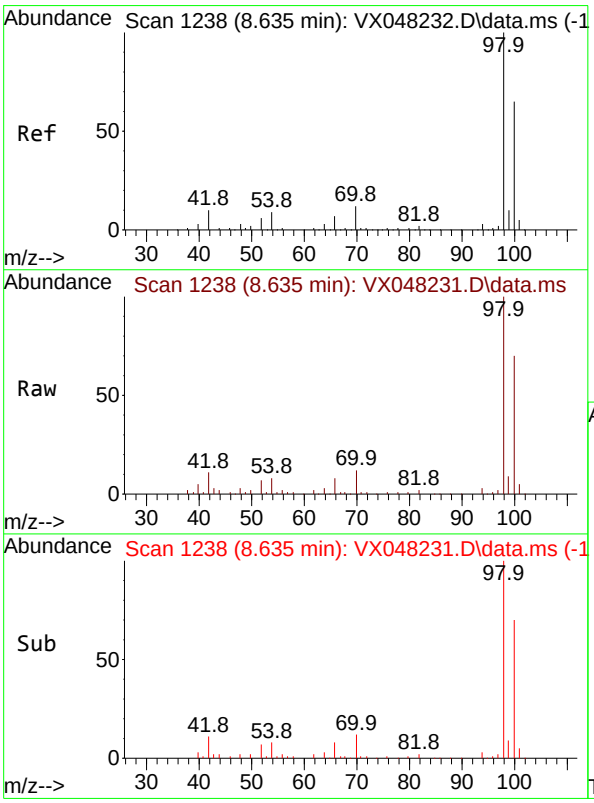
Ion	Ratio	Lower	Upper
88	100		
43	35.0	35.0	52.4
58	71.5	61.9	92.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

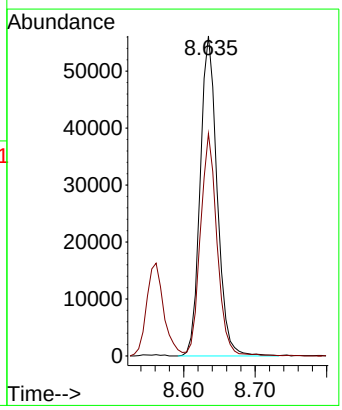
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

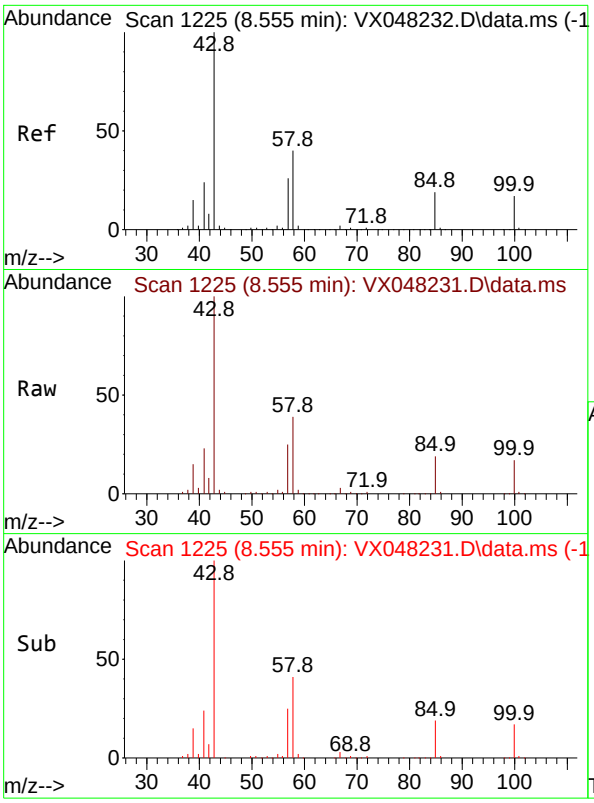


#50
Toluene-d8
Concen: 18.965 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 98 Resp: 92476

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 115.713 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

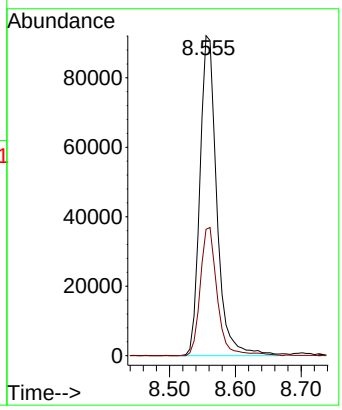
Tgt Ion: 43 Resp: 16470

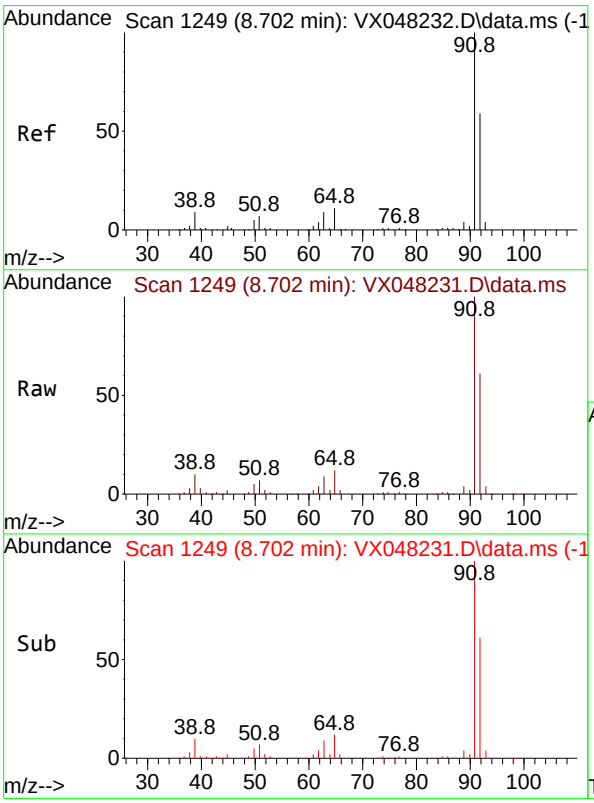
Ion	Ratio	Lower	Upper
43	100		
58	40.3	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

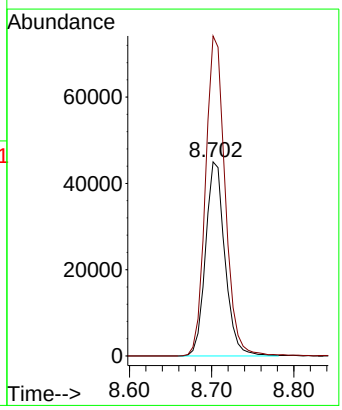


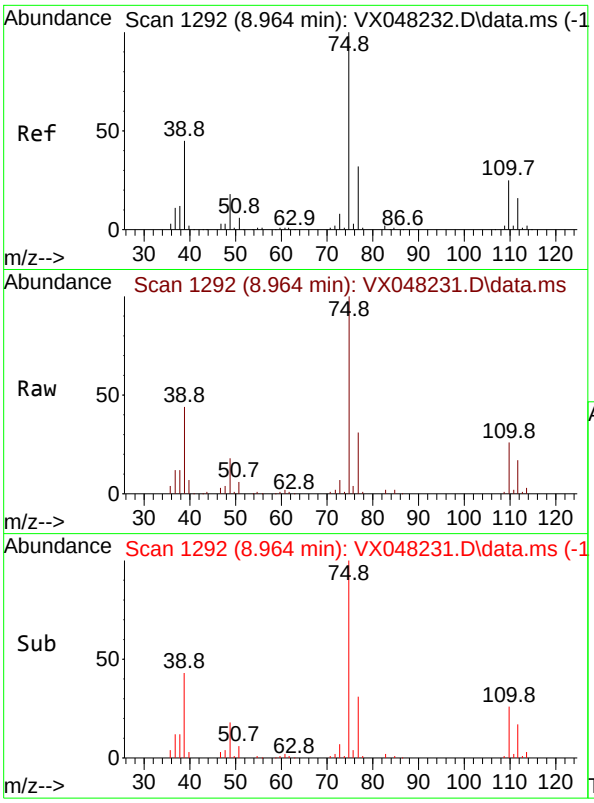


#52
Toluene
Concen: 21.635 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 92 Resp: 73623

Ion	Ratio	Lower	Upper
92	100		
91	167.2	136.1	204.1

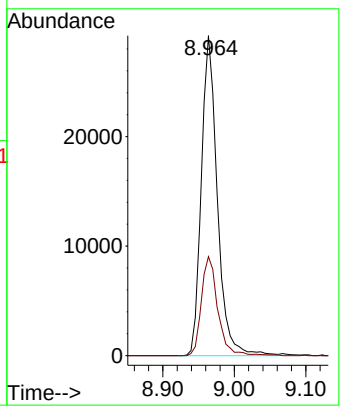




#53
t-1,3-Dichloropropene
Concen: 21.756 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 4541

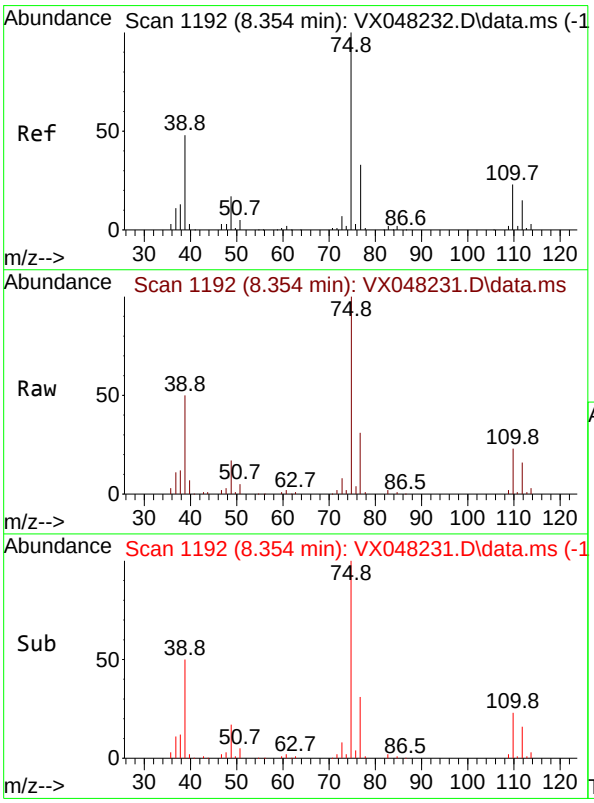
Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

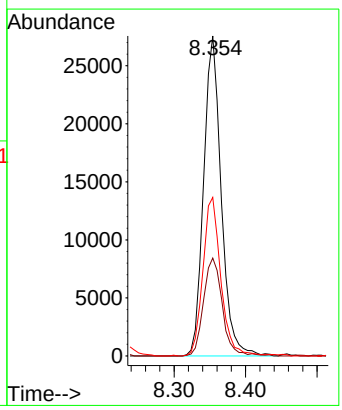
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

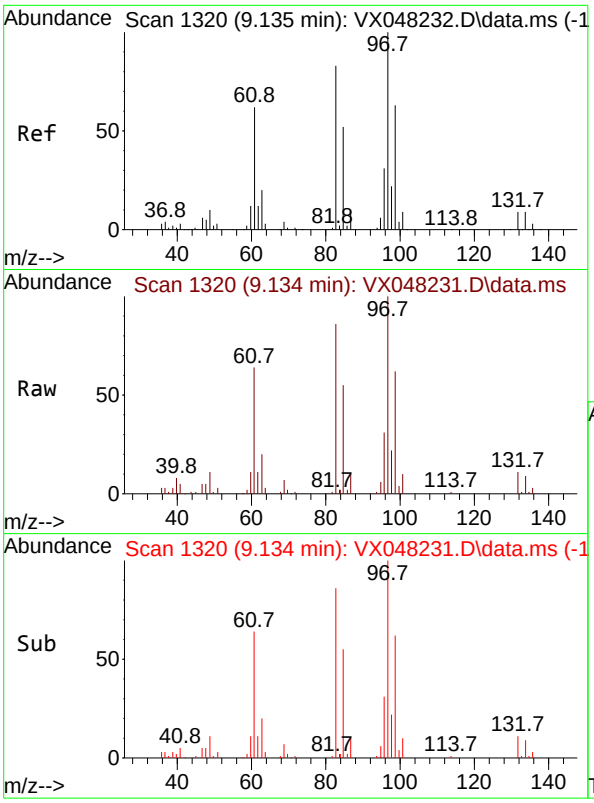


#54
cis-1,3-Dichloropropene
Concen: 20.713 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 47130

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.9	37.3
39	49.5	42.6	64.0

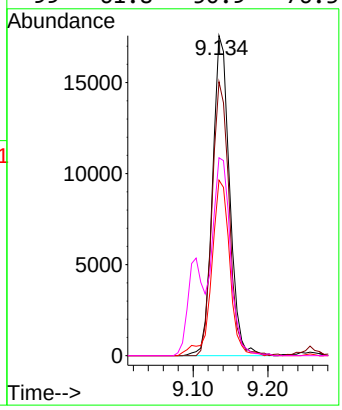




#55
1,1,2-Trichloroethane
Concen: 21.961 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 97 Resp: 2788

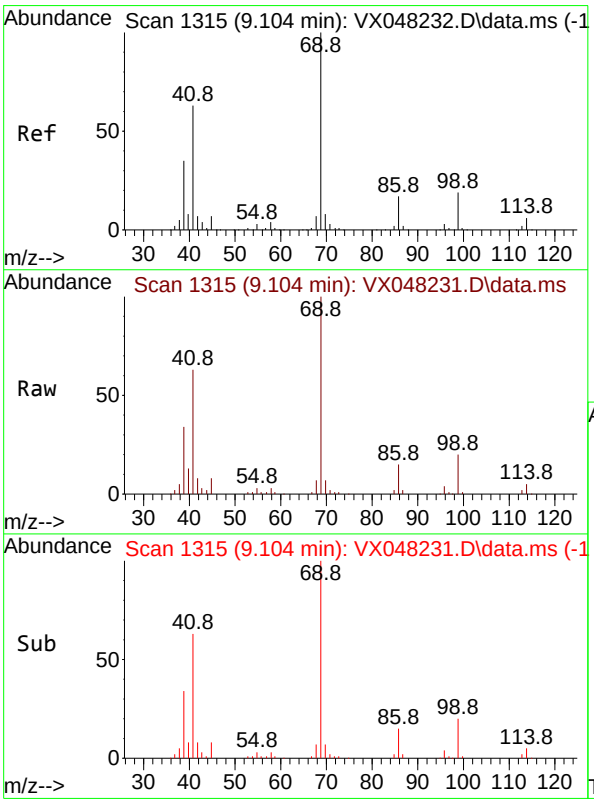
Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.6	105.8
85	54.9	45.0	67.6
99	61.8	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

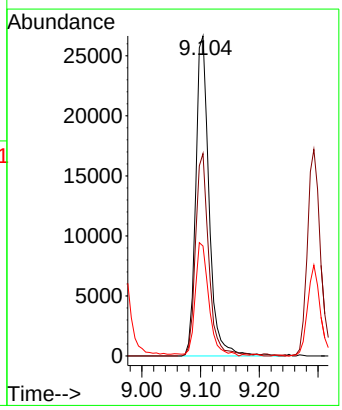
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

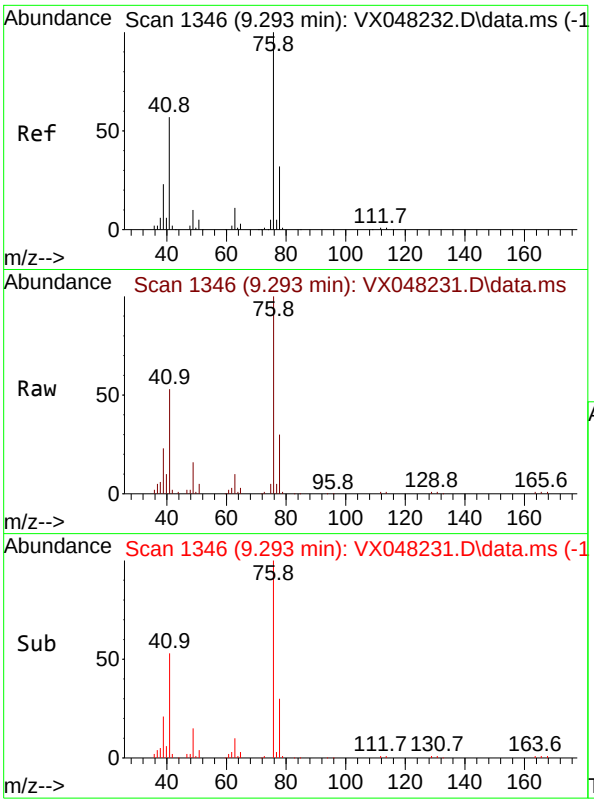


#56
Ethyl methacrylate
Concen: 24.210 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 69 Resp: 41809

Ion	Ratio	Lower	Upper
69	100		
41	63.2	56.0	84.0
39	36.3	31.6	47.4





#57
1,3-Dichloropropane
Concen: 21.591 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

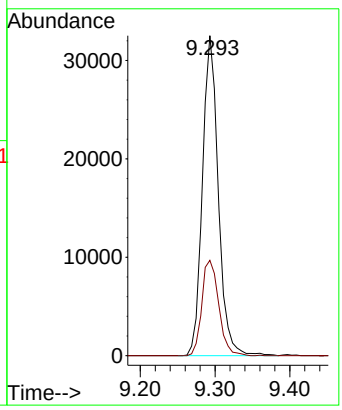
Tgt Ion: 76 Resp: 4789

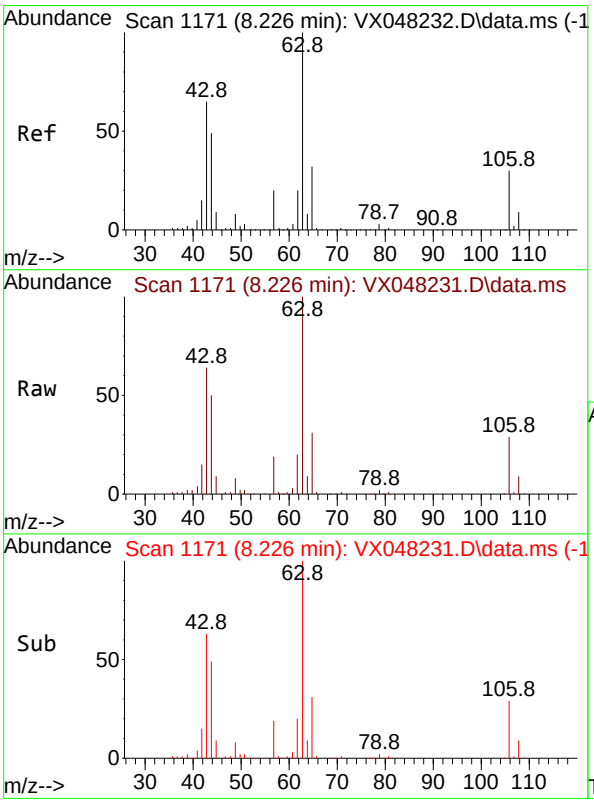
Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

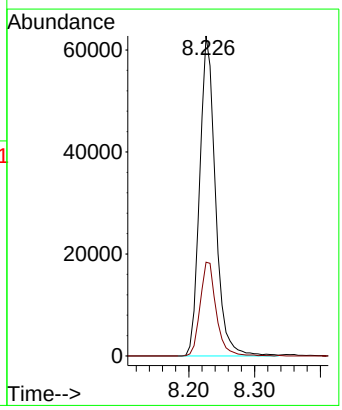


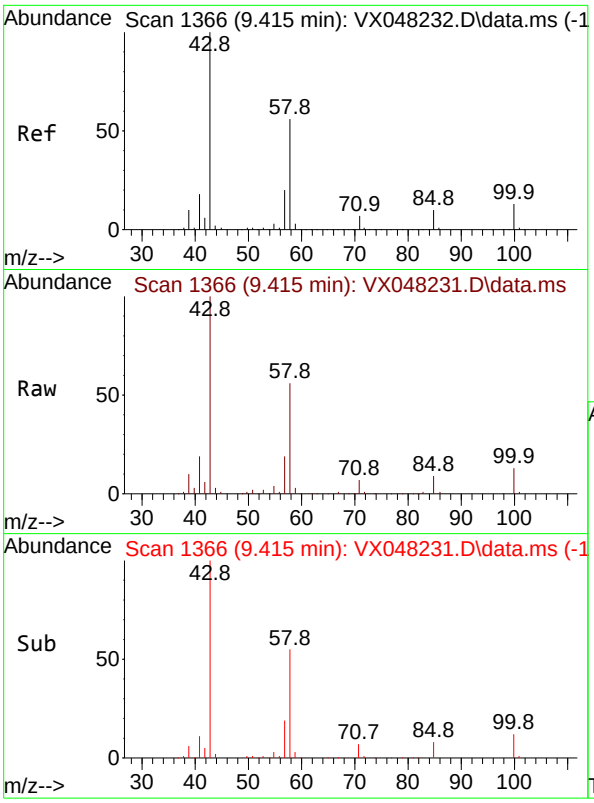


#58
2-Chloroethyl Vinyl ether
Concen: 118.278 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 63 Resp: 104883

Ion	Ratio	Lower	Upper
63	100		
106	29.7	22.2	33.2





#59
2-Hexanone
Concen: 116.777 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

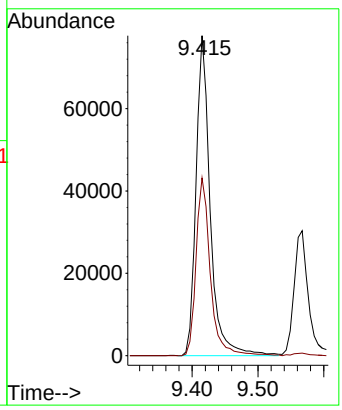
Tgt Ion: 43 Resp: 11626

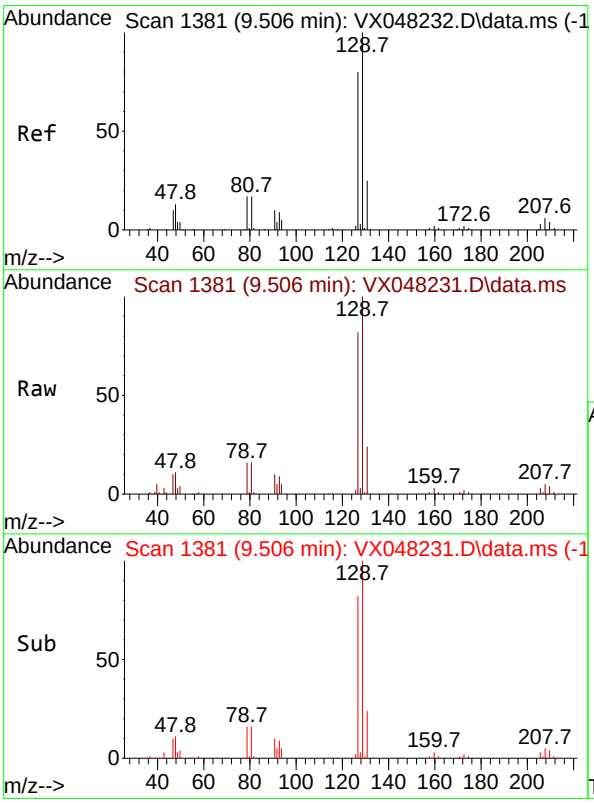
Ion	Ratio	Lower	Upper
43	100		
58	56.1	26.3	78.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

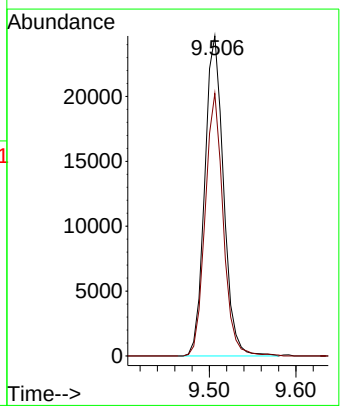


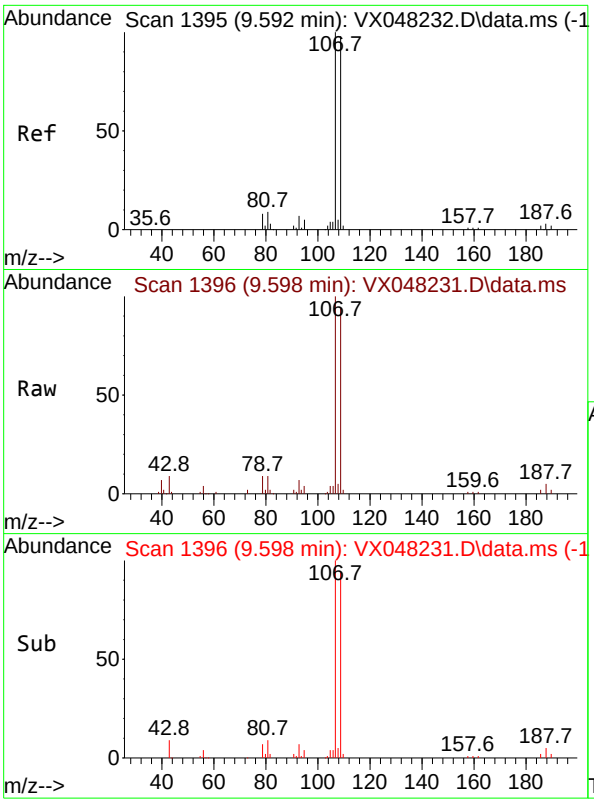


#60
Dibromochloromethane
Concen: 23.361 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:129 Resp: 37127

Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.6	115.7





#61
1,2-Dibromoethane
Concen: 23.533 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

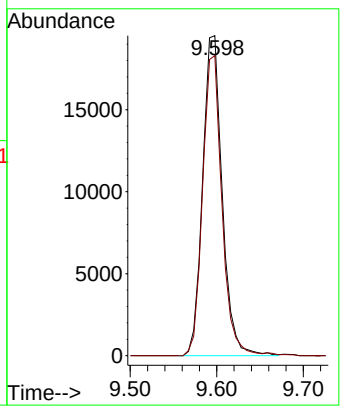
Tgt Ion:107 Resp: 3063

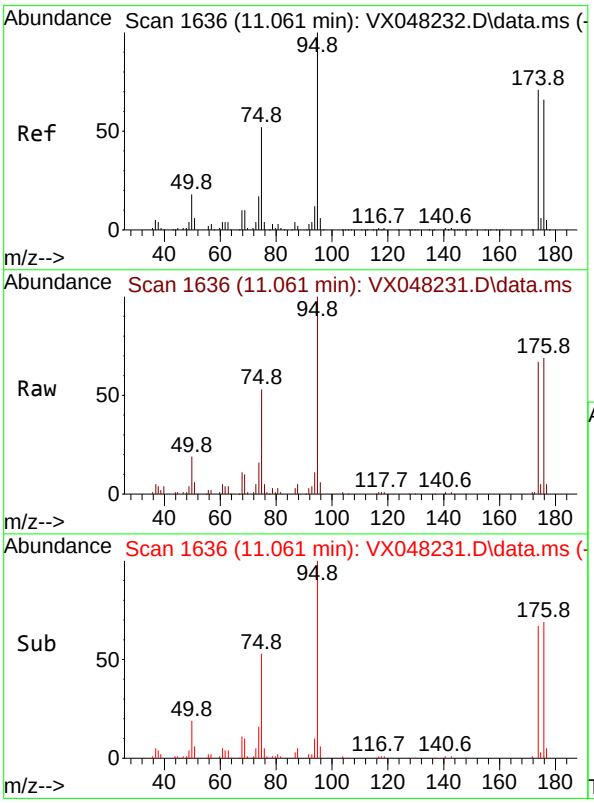
Ion	Ratio	Lower	Upper
107	100		
109	92.2	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

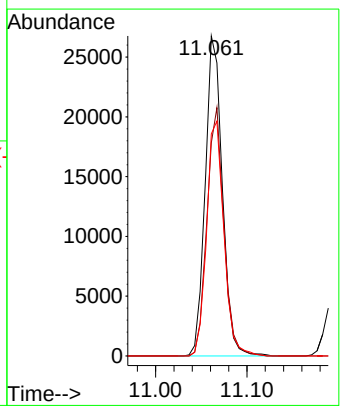


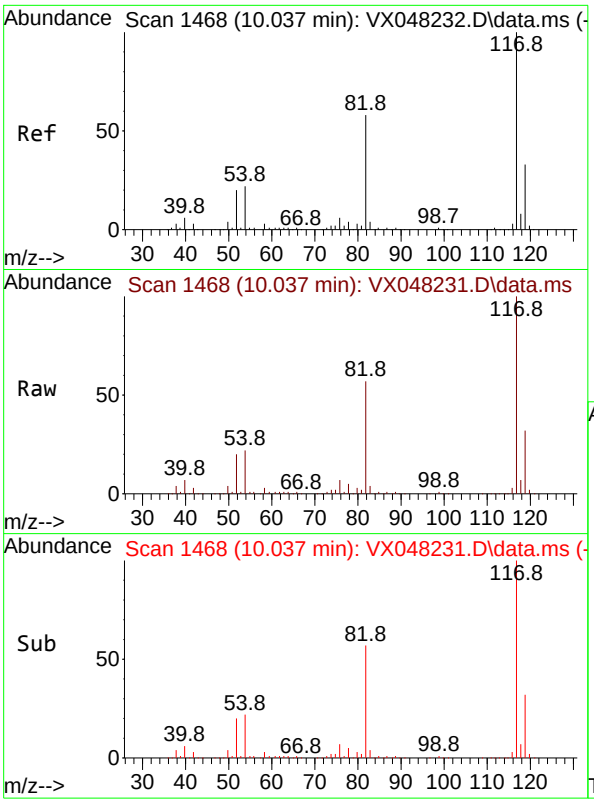


#62
4-Bromofluorobenzene
Concen: 19.551 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 95 Resp: 34724

Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	147.8
176	74.3	0.0	142.8

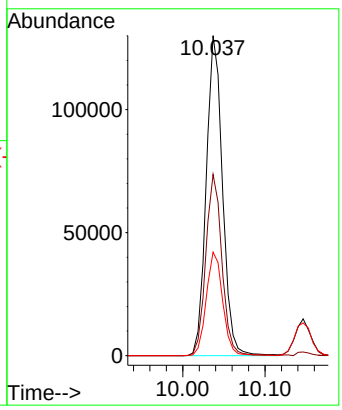




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:117 Resp: 17897

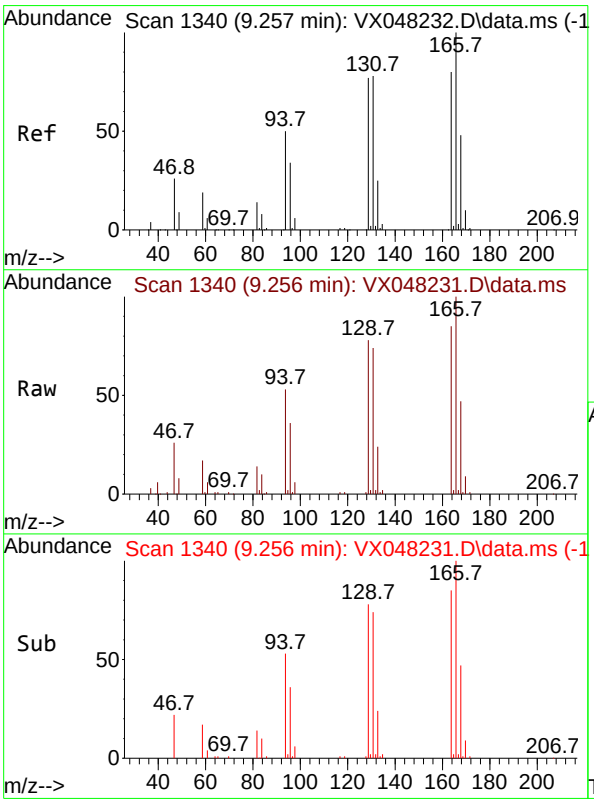
Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.5	69.7
119	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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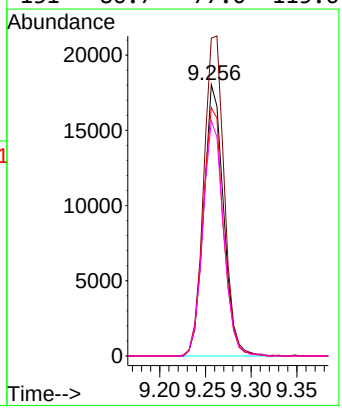
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

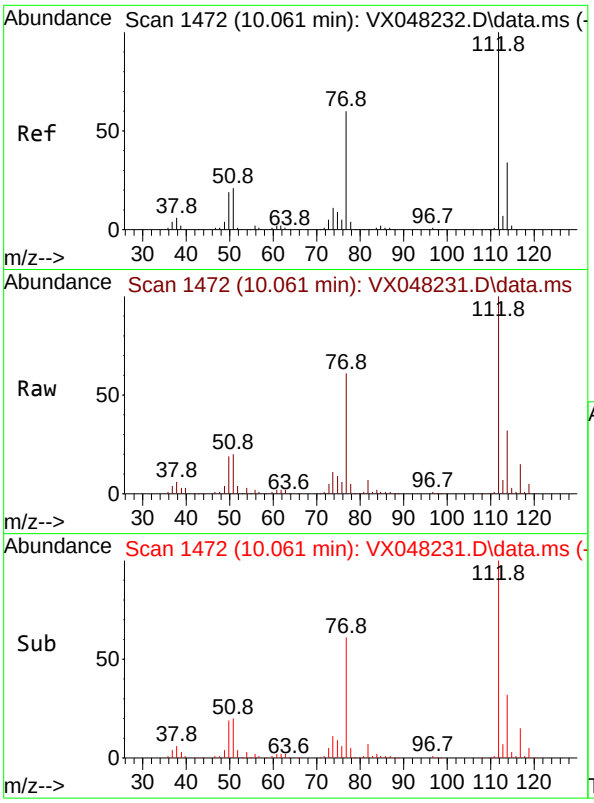


#64
Tetrachloroethene
Concen: 21.550 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:164 Resp: 27043

Ion	Ratio	Lower	Upper
164	100		
166	117.2	104.5	156.7
129	91.6	81.8	122.6
131	86.7	77.0	115.6

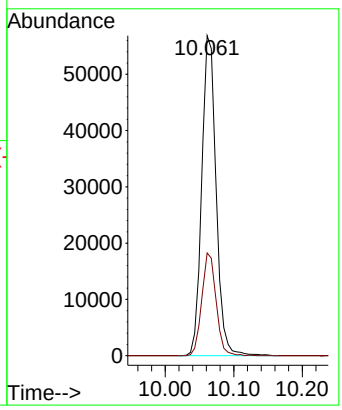




#65
Chlorobenzene
Concen: 21.211 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:112 Resp: 8300

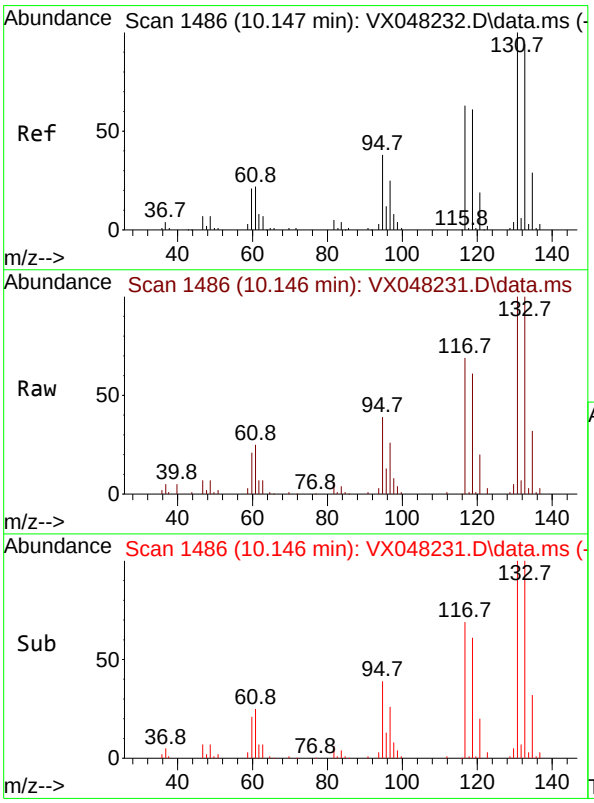
Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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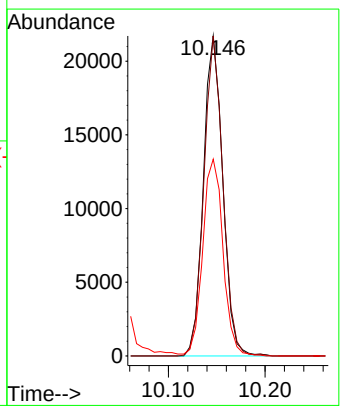
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

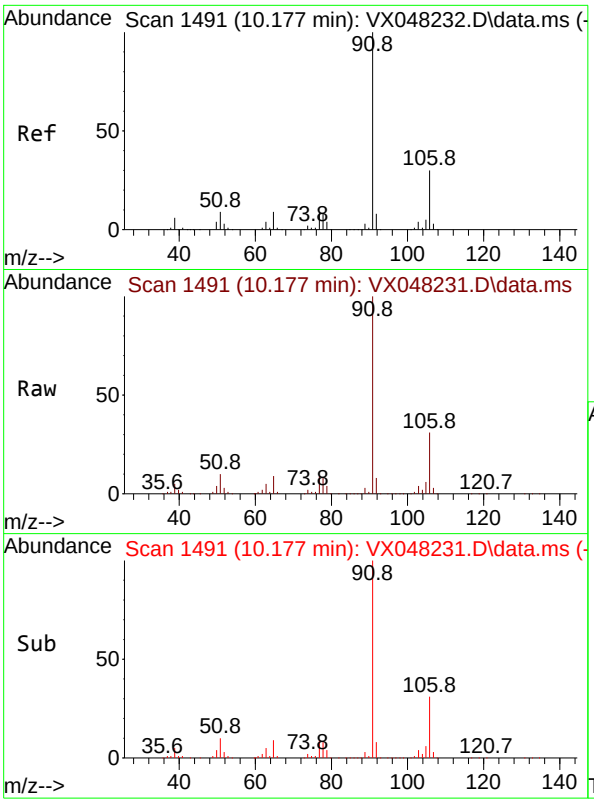


#66
1,1,1,2-Tetrachloroethane
Concen: 21.471 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:131 Resp: 30278

Ion	Ratio	Lower	Upper
131	100		
133	98.2	47.6	142.8
119	64.5	32.5	97.5





#67
Ethyl Benzene
Concen: 20.852 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

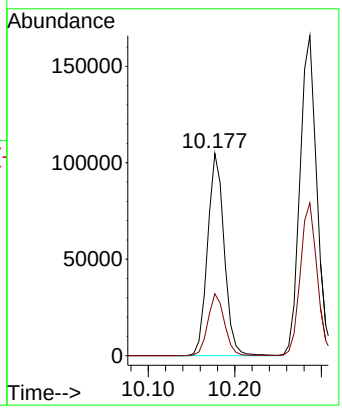
Tgt Ion: 91 Resp: 13989

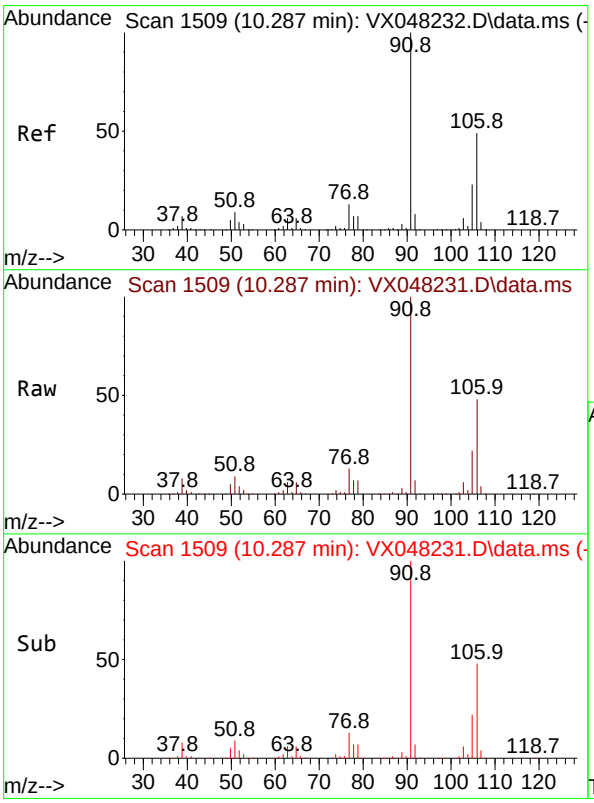
Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
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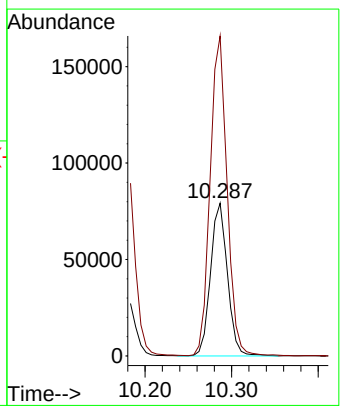


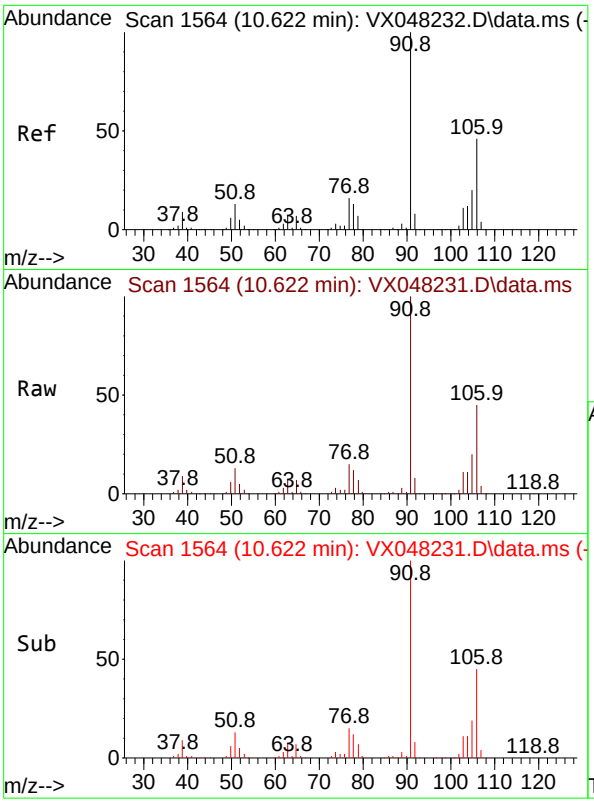


#68
m/p-Xylenes
Concen: 42.962 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:106 Resp: 107377

Ion	Ratio	Lower	Upper
106	100		
91	209.9	167.9	251.9





#69
o-Xylene
Concen: 21.655 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

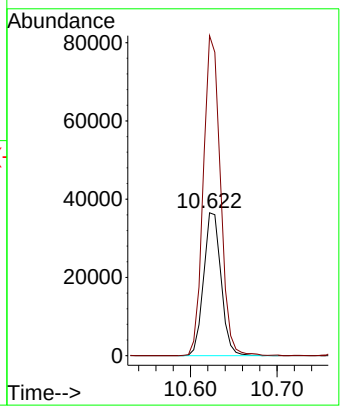
Tgt Ion:106 Resp: 5095

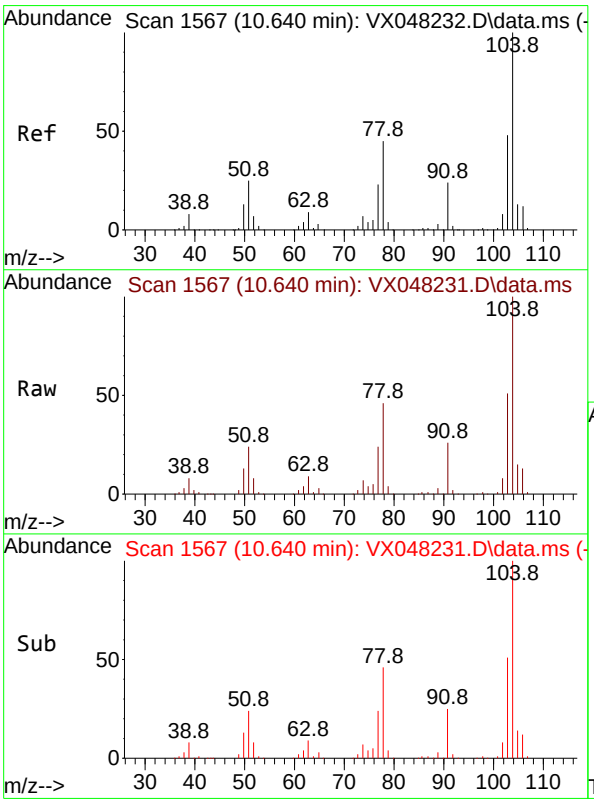
Ion	Ratio	Lower	Upper
106	100		
91	220.1	111.3	333.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
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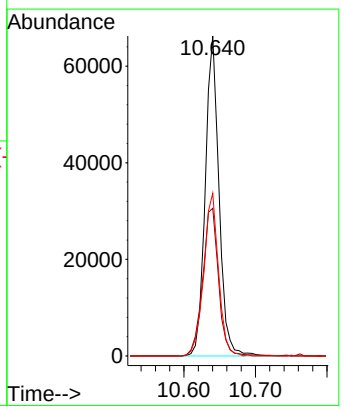


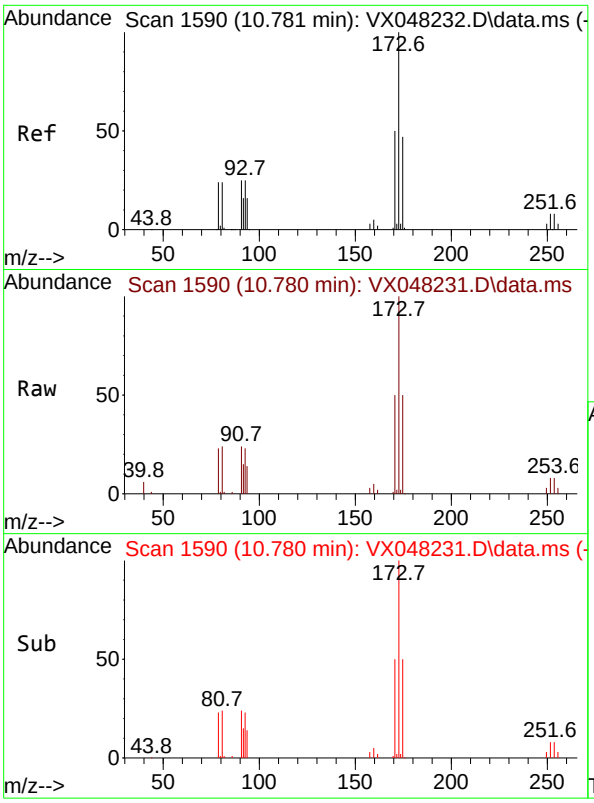


#70
Styrene
Concen: 21.848 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:104 Resp: 88481

Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.2	63.4
103	54.7	43.0	64.4





#71
Bromoform
Concen: 24.168 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

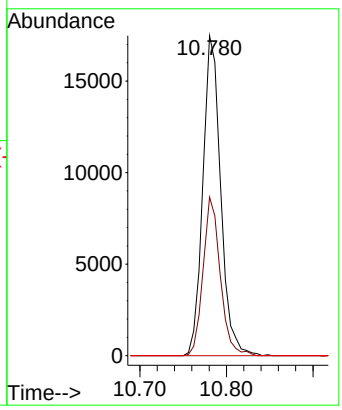
Tgt Ion:173 Resp: 2502

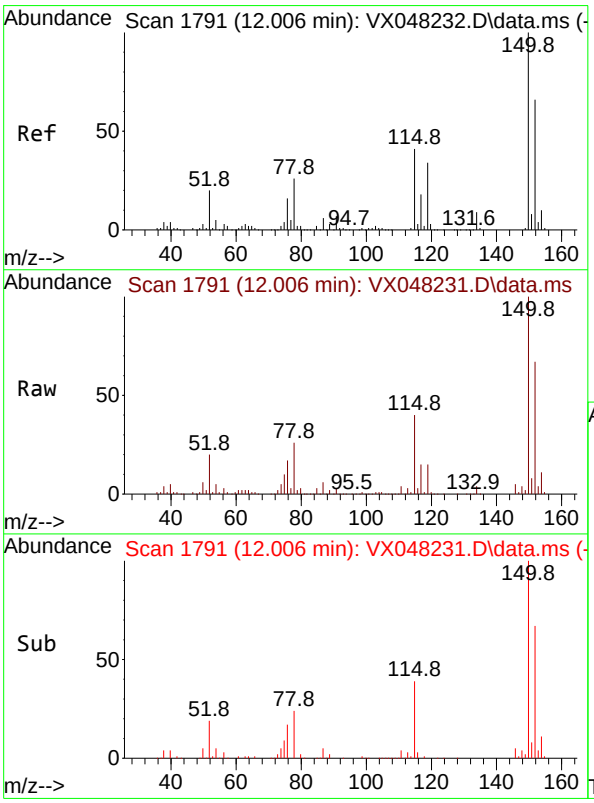
Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.0	72.0
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

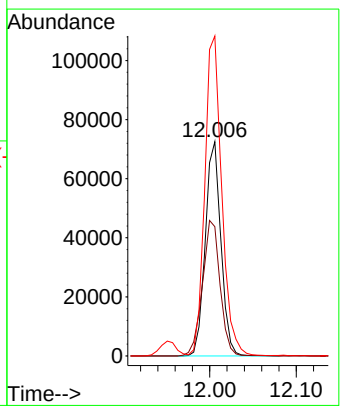


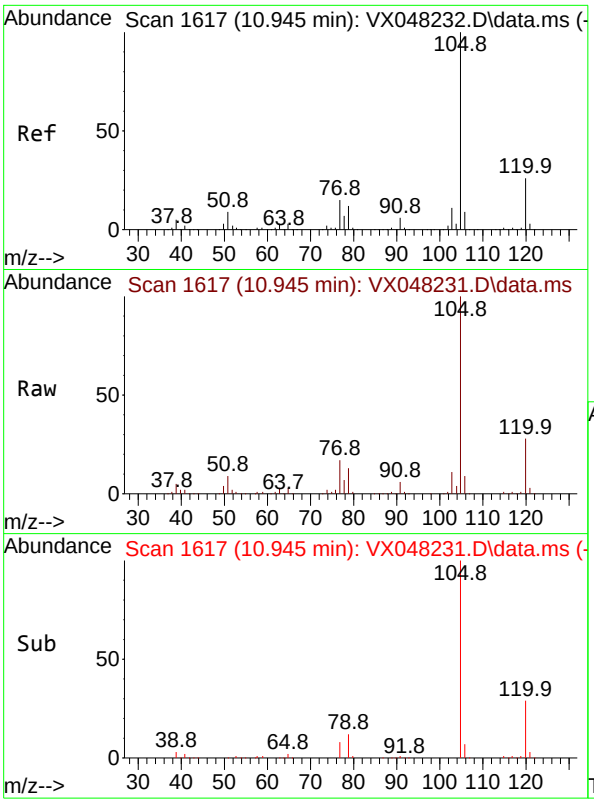


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:152 Resp: 90972

Ion	Ratio	Lower	Upper
152	100		
115	71.1	43.1	129.4
150	161.6	0.0	353.0





#73
Isopropylbenzene
Concen: 21.025 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

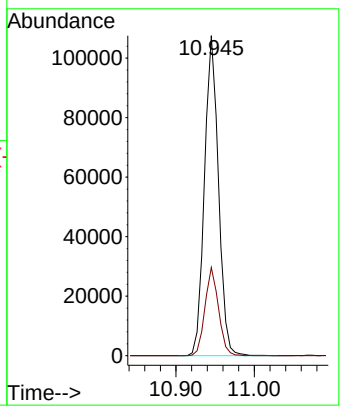
Tgt Ion:105 Resp: 13303

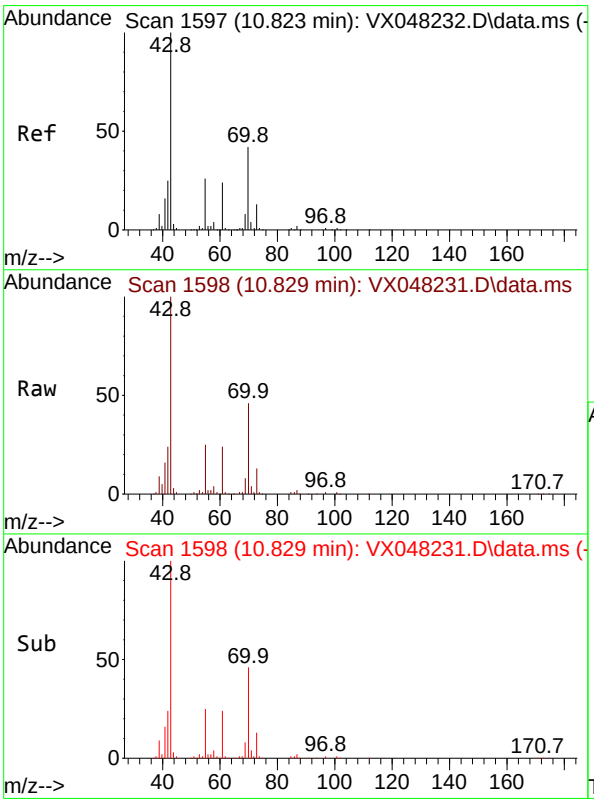
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.0	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
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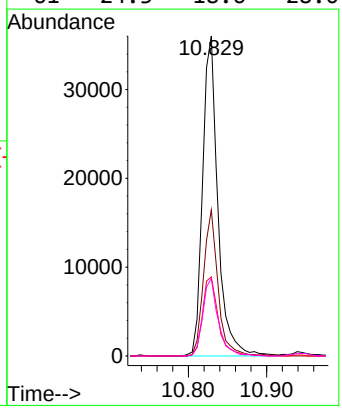


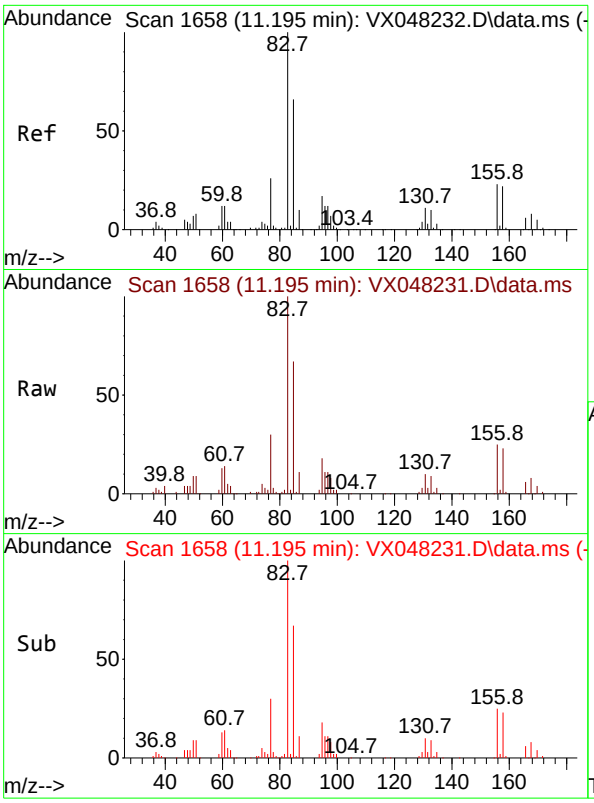


#74
N-amyl acetate
Concen: 20.642 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 43 Resp: 48726

Ion	Ratio	Lower	Upper
43	100		
70	43.4	32.2	48.2
55	25.5	19.1	28.7
61	24.3	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 21.616 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

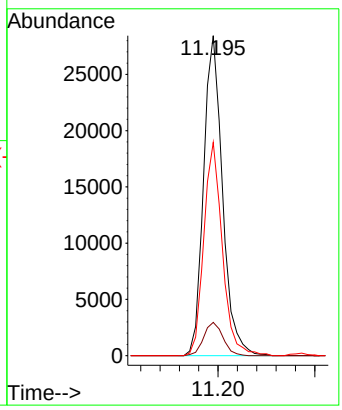
Tgt Ion: 83 Resp: 3874

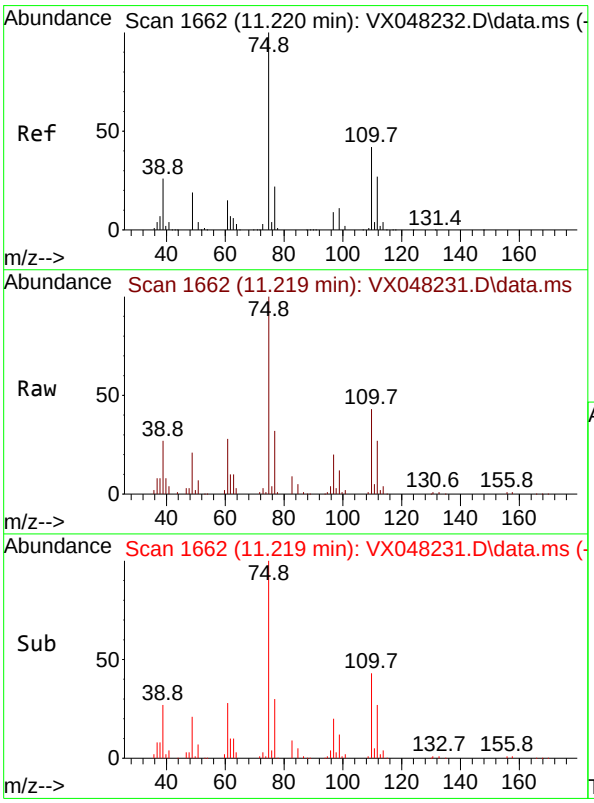
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.8	14.4
85	65.2	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
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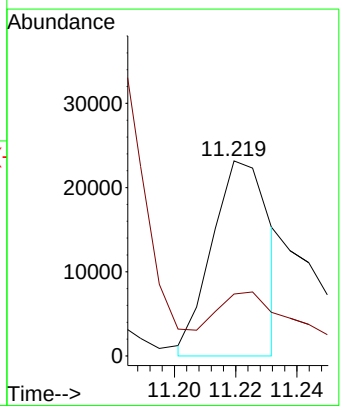


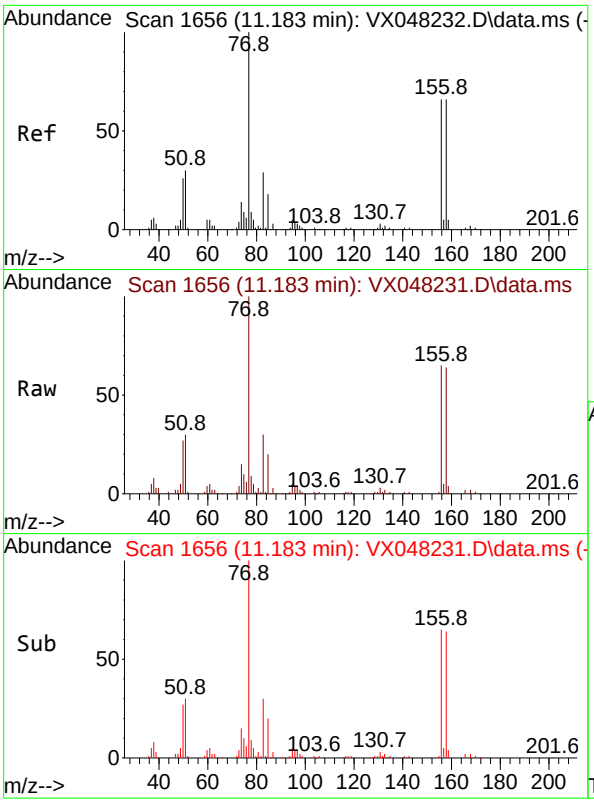


#76
1,2,3-Trichloropropane
Concen: 21.533 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 29913

Ion	Ratio	Lower	Upper
75	100		
77	46.2	22.4	67.2





#77
Bromobenzene
Concen: 21.374 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

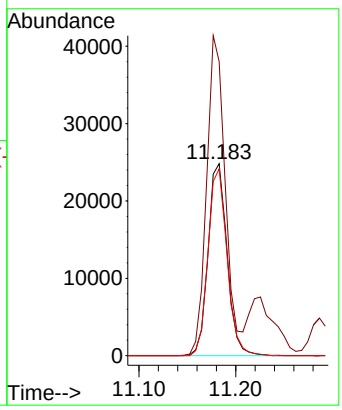
Tgt Ion:156 Resp: 3384

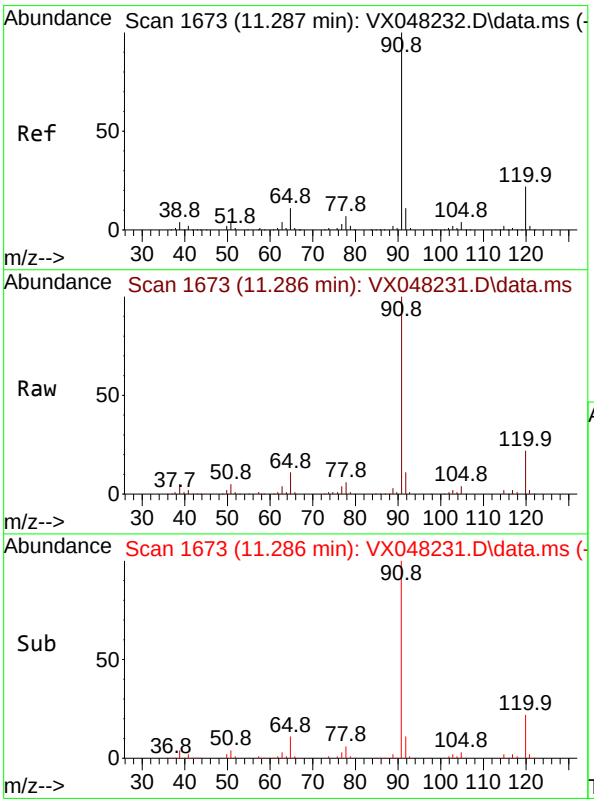
Ion	Ratio	Lower	Upper
156	100		
77	164.0	87.0	261.0
158	97.7	47.8	143.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

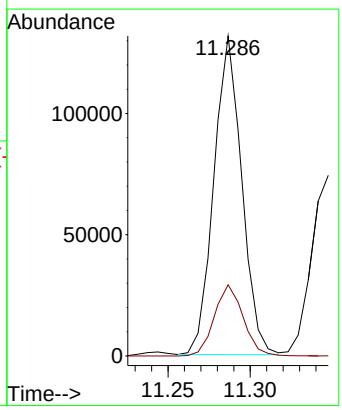


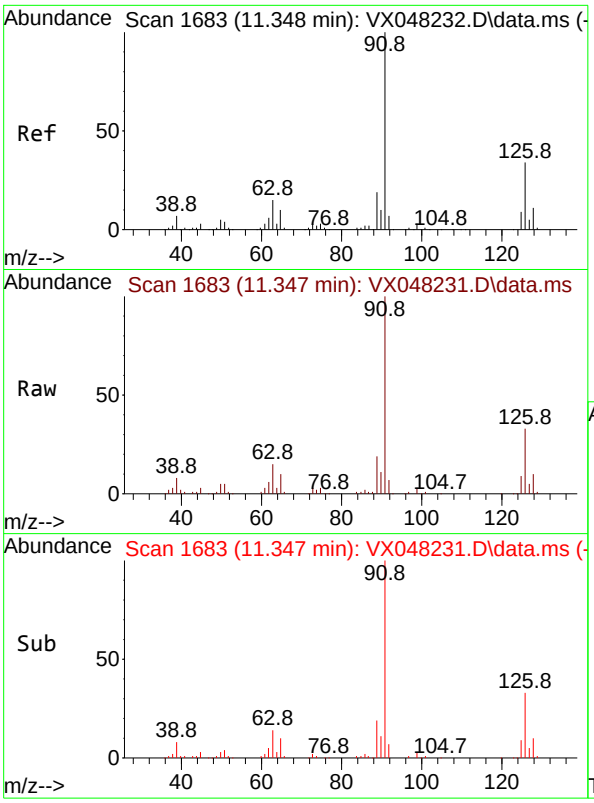


#78
n-propylbenzene
Concen: 20.180 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 91 Resp: 154839

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.1	33.1

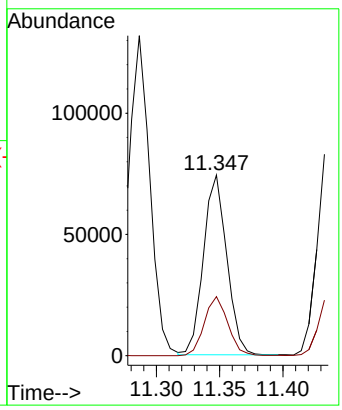




#79
2-Chlorotoluene
Concen: 20.526 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 91 Resp: 9515

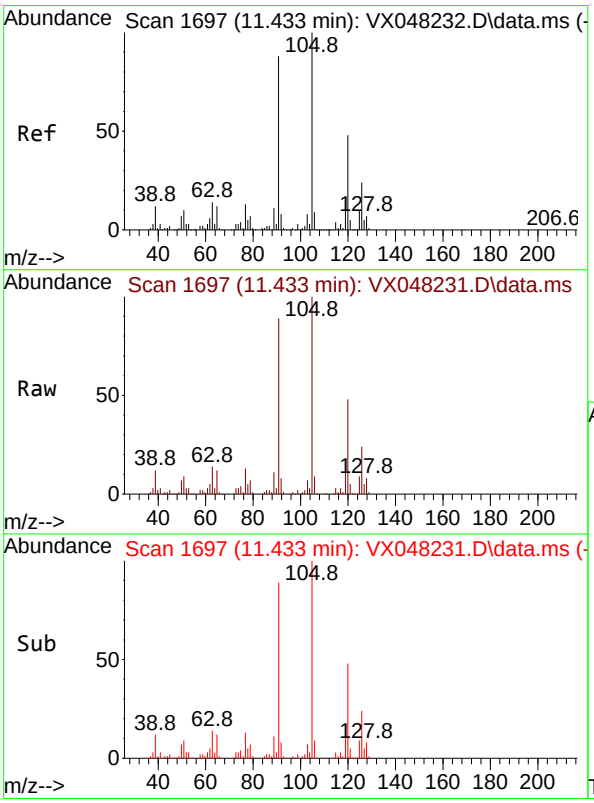
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

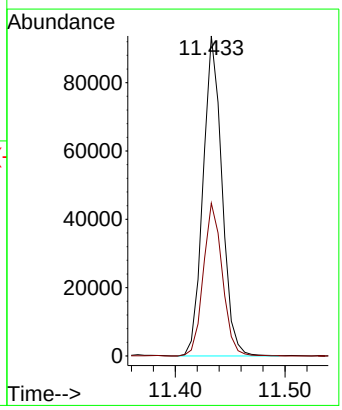
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

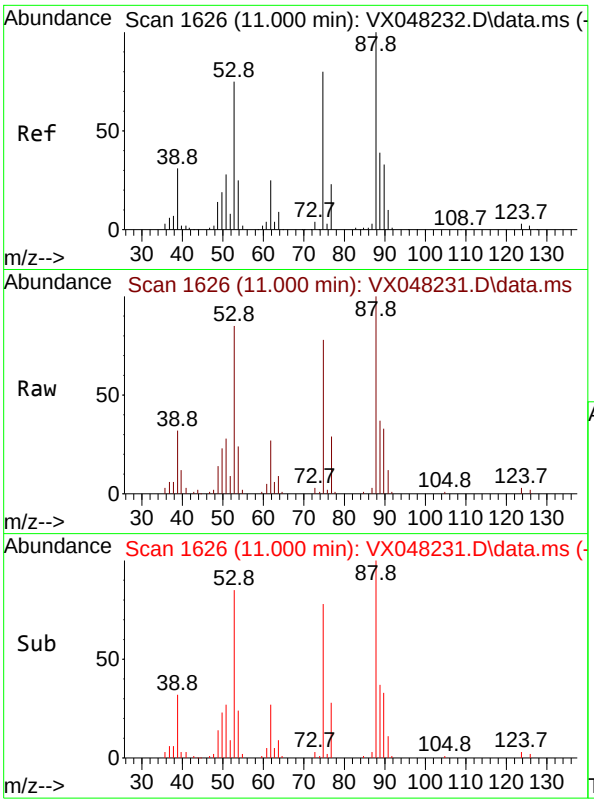


#80
1,3,5-Trimethylbenzene
Concen: 21.575 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:105 Resp: 112057

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 21.154 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

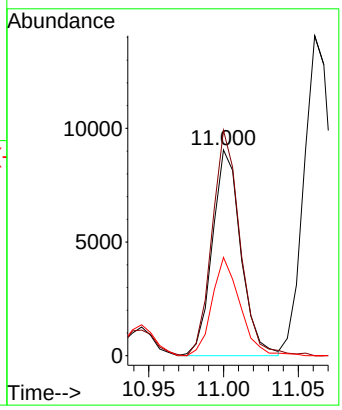
Tgt Ion: 75 Resp: 1200

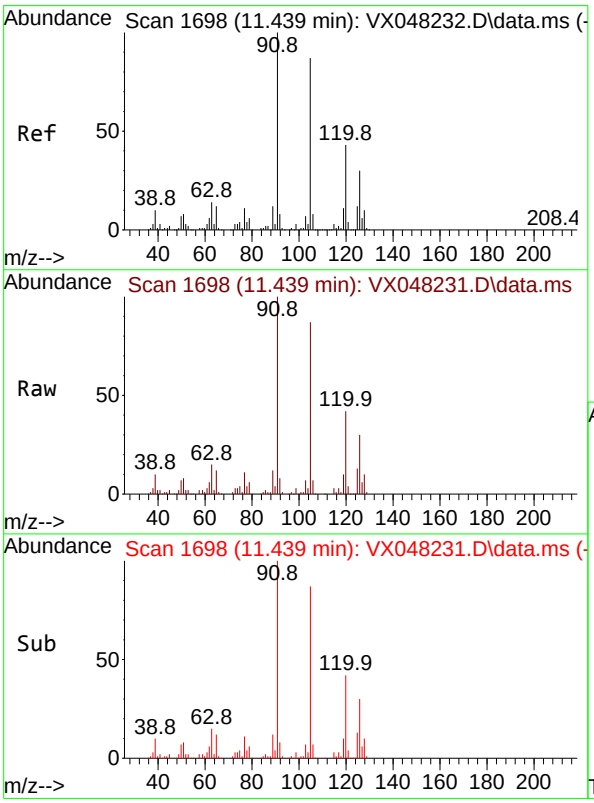
Ion	Ratio	Lower	Upper
75	100		
53	107.3	79.5	119.3
89	46.9	36.8	55.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

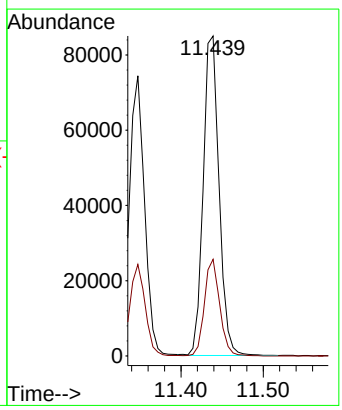


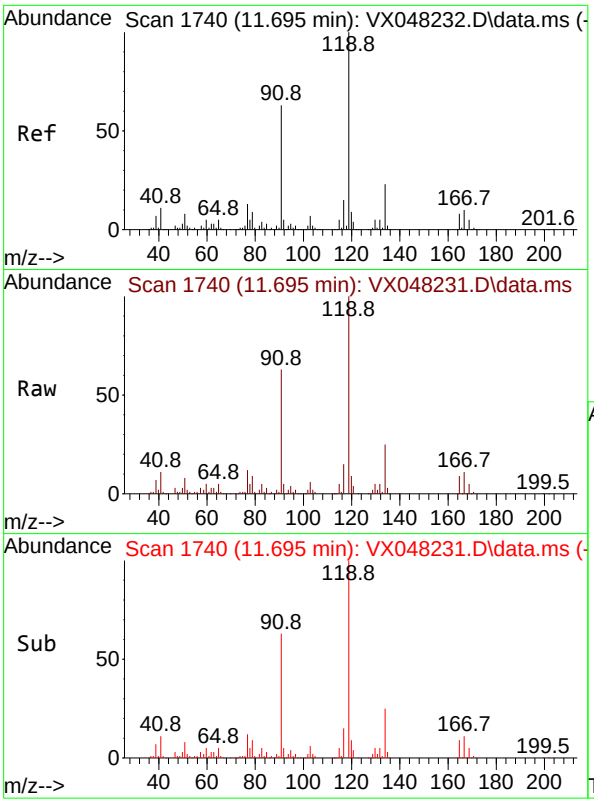


#82
4-Chlorotoluene
Concen: 20.833 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 91 Resp: 113495

Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.1	42.4





#83
tert-Butylbenzene
Concen: 21.403 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

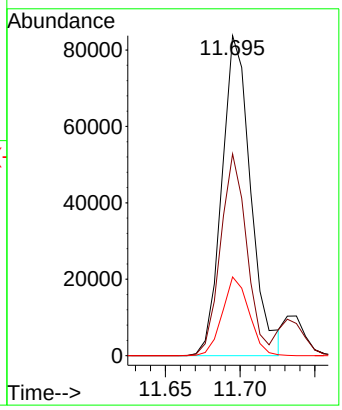
Tgt Ion:119 Resp: 11230

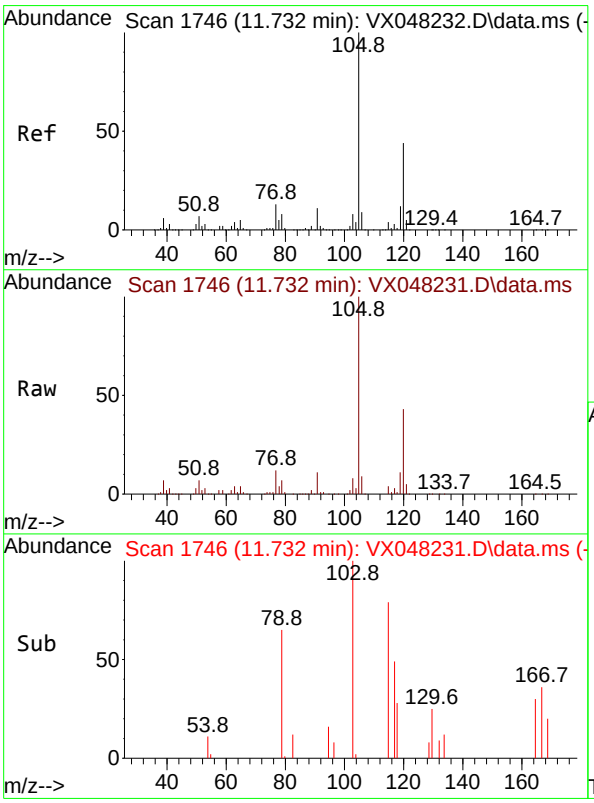
Ion	Ratio	Lower	Upper
119	100		
91	57.4	30.3	91.0
134	22.8	11.4	34.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

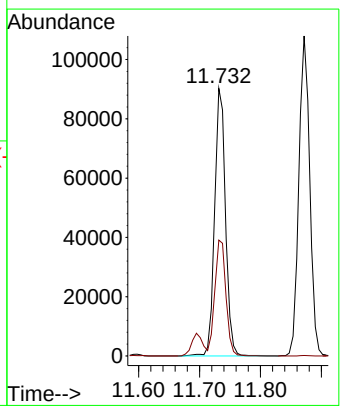


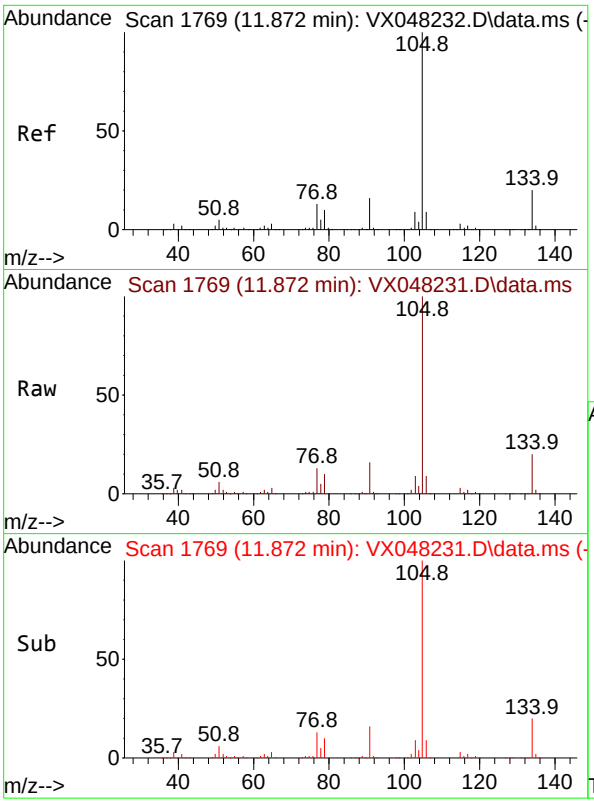


#84
1,2,4-Trimethylbenzene
Concen: 21.652 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:105 Resp: 111976

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.5

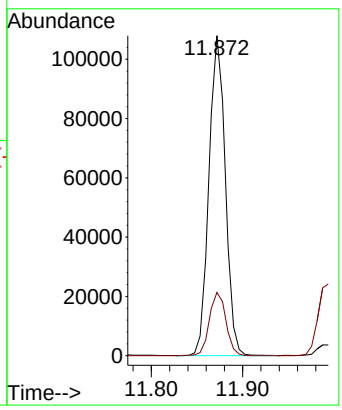




#85
sec-Butylbenzene
Concen: 20.891 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:105 Resp: 13401

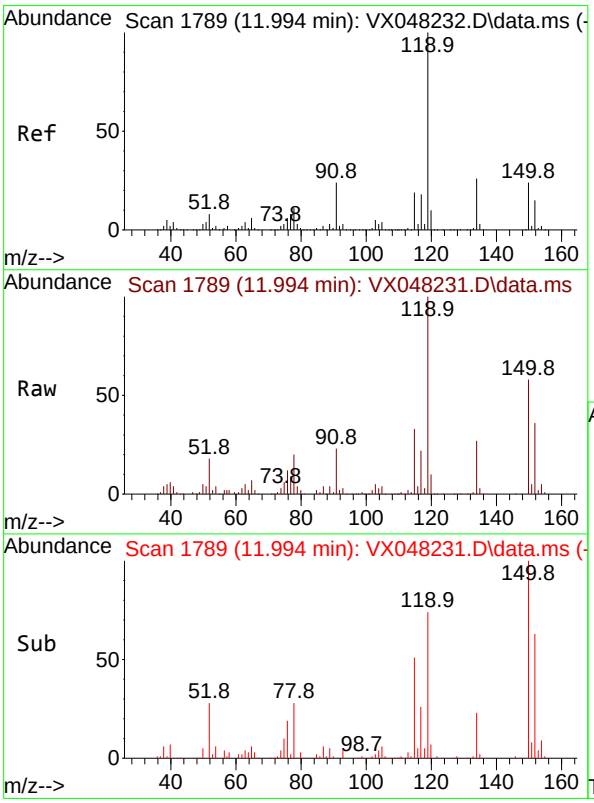
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

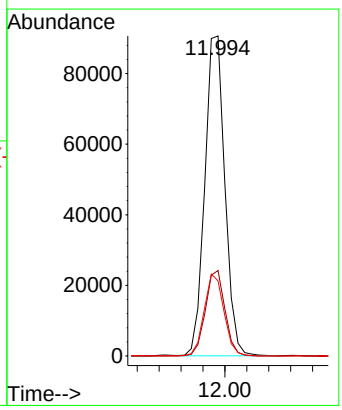
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

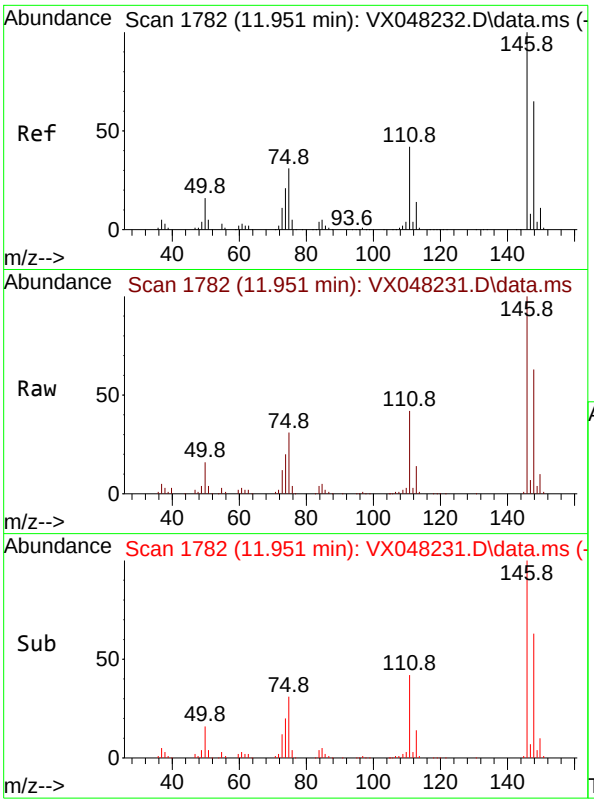


#86
p-Isopropyltoluene
Concen: 21.263 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:119 Resp: 114969

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	25.1	12.1	36.3

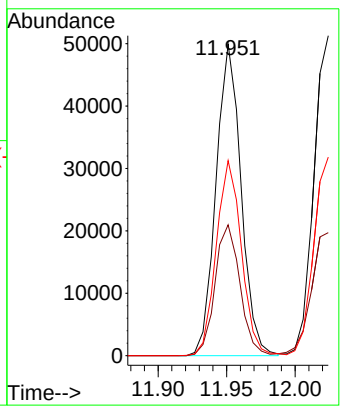




#87
1,3-Dichlorobenzene
Concen: 21.403 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:146 Resp: 6337

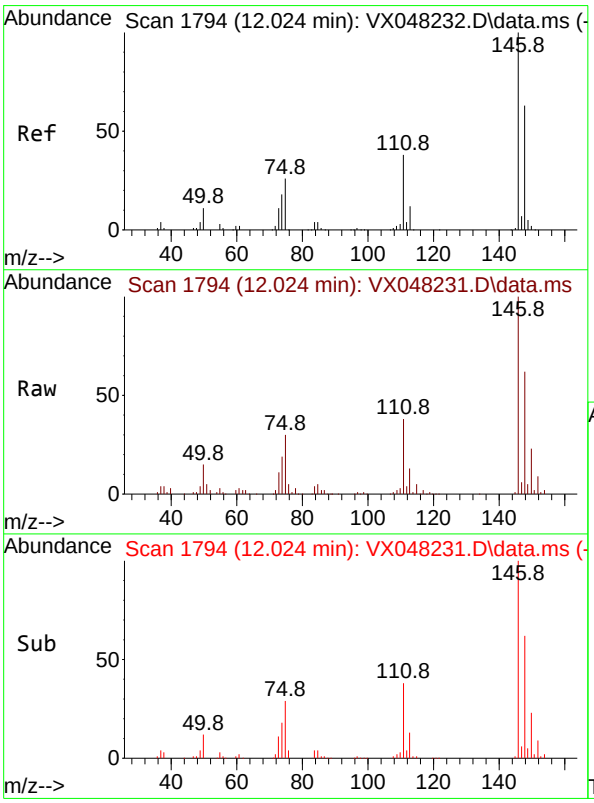
Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.2
148	63.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

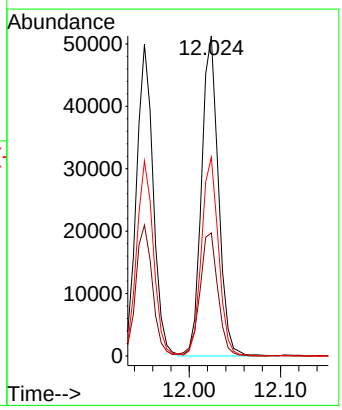
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

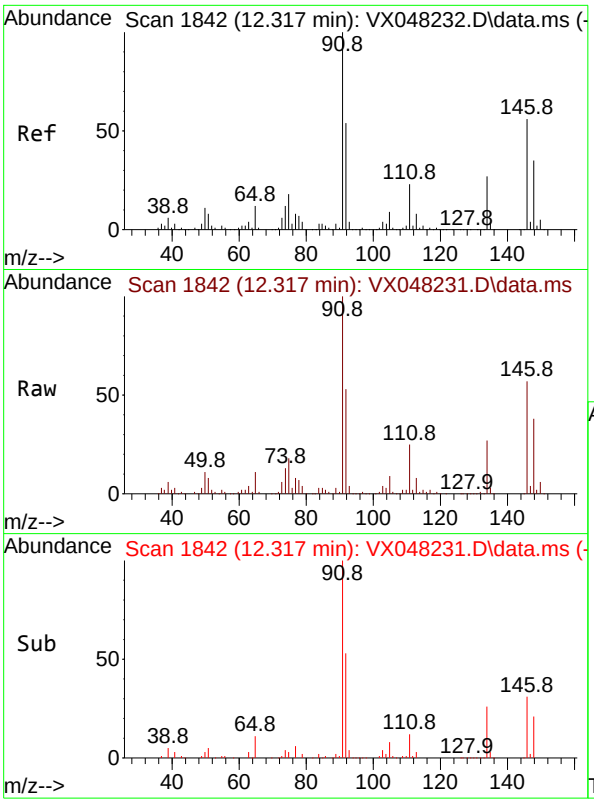


#88
1,4-Dichlorobenzene
Concen: 21.375 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:146 Resp: 65612

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.1	60.2
148	62.6	31.8	95.3





#89
n-Butylbenzene
Concen: 20.281 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

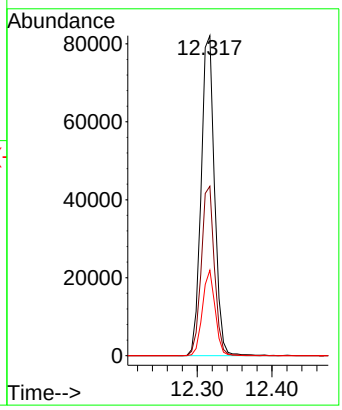
Tgt Ion: 91 Resp: 10214

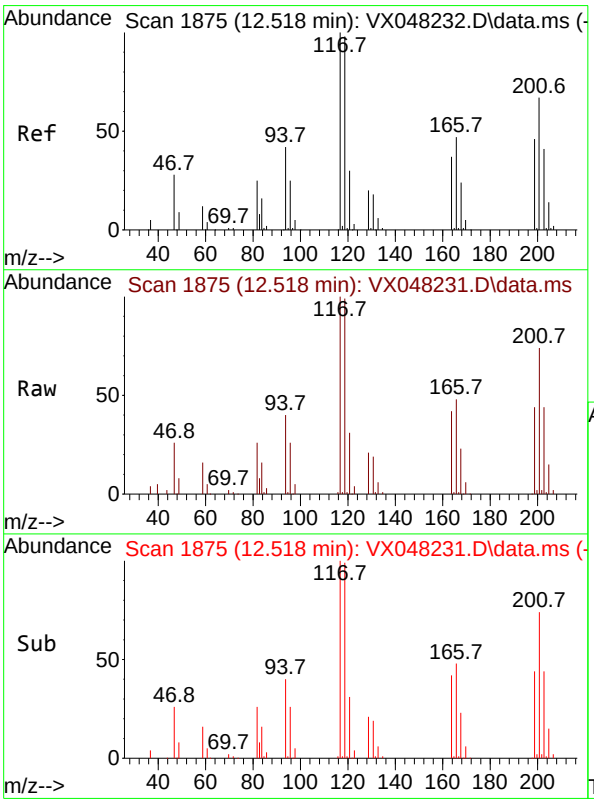
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.9	80.6
134	25.2	12.7	38.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

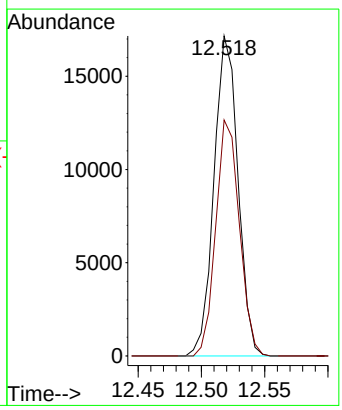


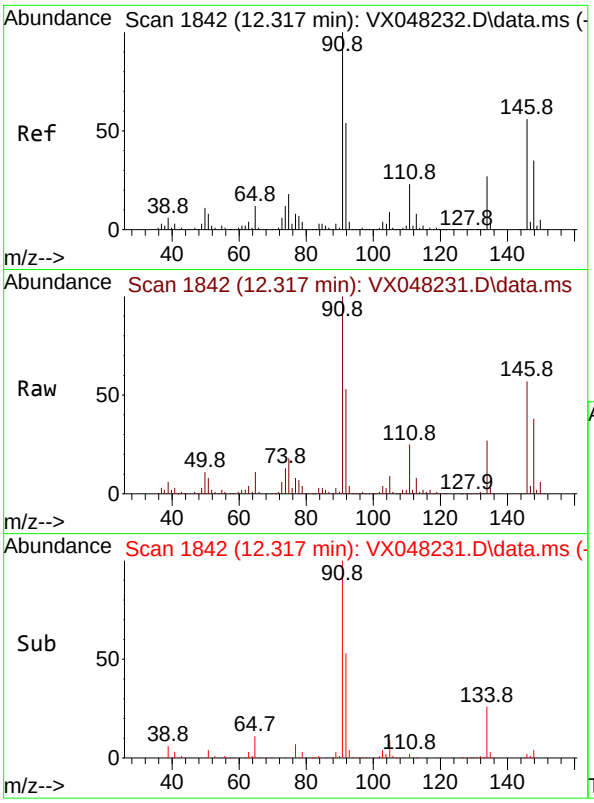


#90
Hexachloroethane
Concen: 19.811 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:117 Resp: 22609

Ion	Ratio	Lower	Upper
117	100		
201	72.6	34.1	102.2

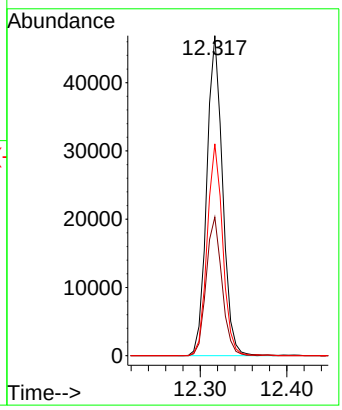




#91
1,2-Dichlorobenzene
Concen: 21.212 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:146 Resp: 5934

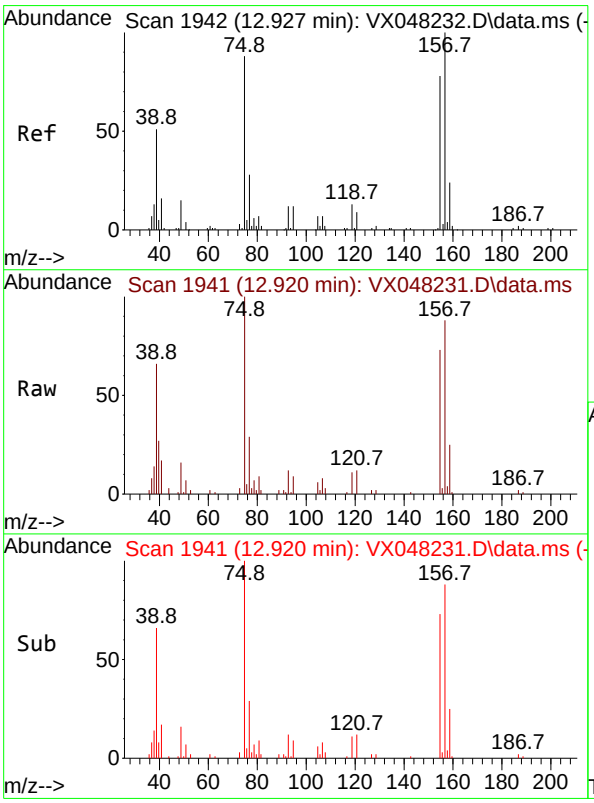
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.9	65.5
148	64.9	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

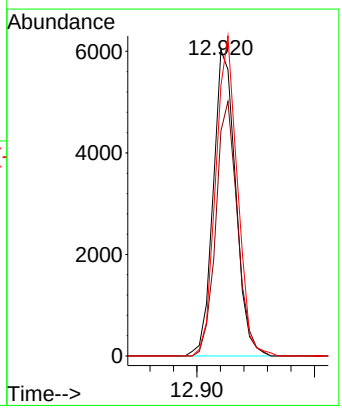
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

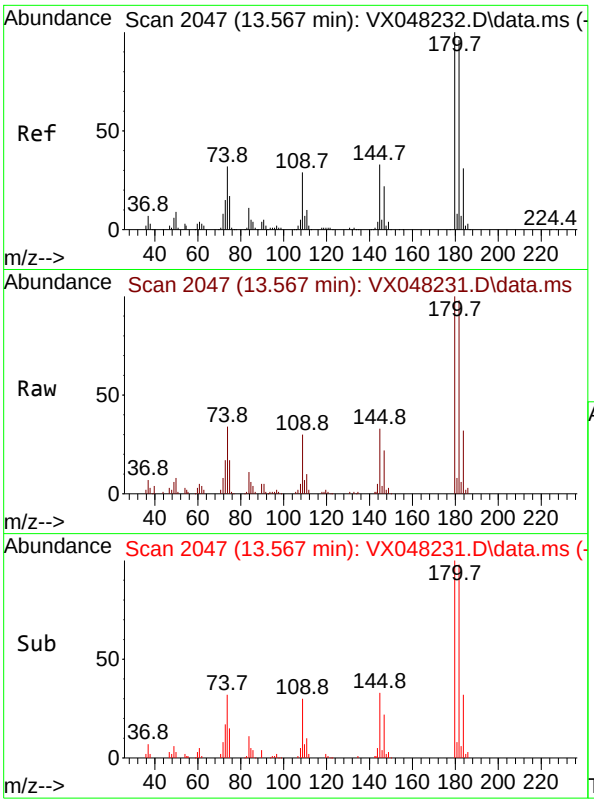


#92
1,2-Dibromo-3-Chloropropane
Concen: 24.372 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion: 75 Resp: 7983

Ion	Ratio	Lower	Upper
75	100		
155	80.3	42.8	128.4
157	101.4	54.2	162.6

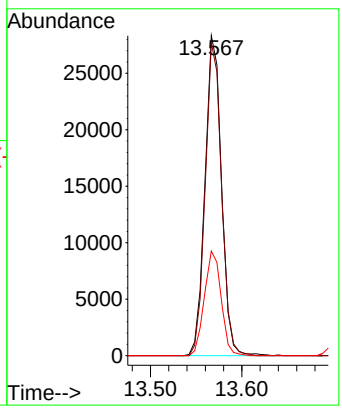




#93
1,2,4-Trichlorobenzene
Concen: 21.473 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:180 Resp: 3546

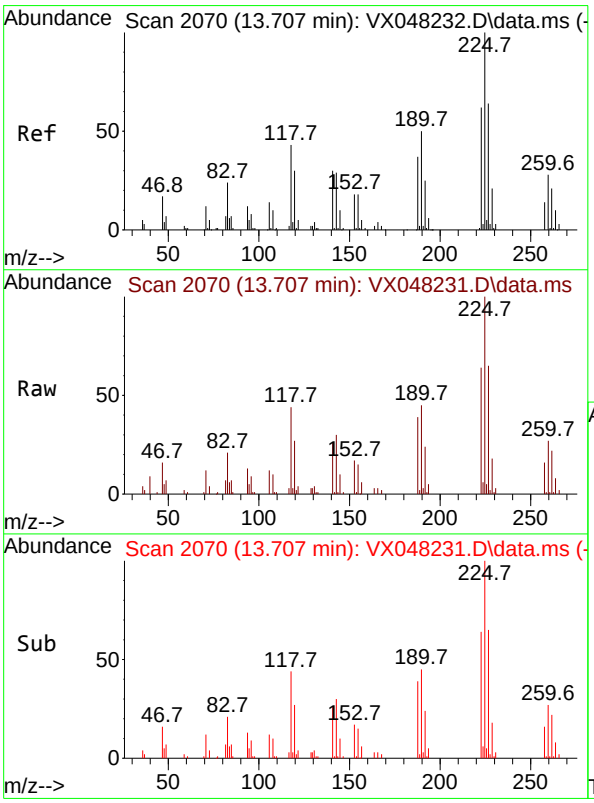
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	142.0
145	33.2	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

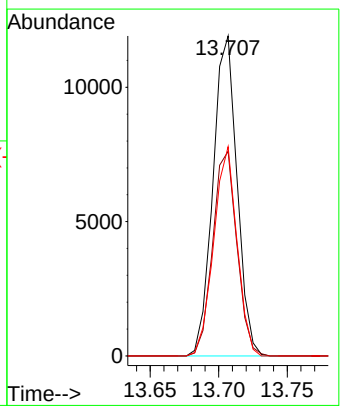
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

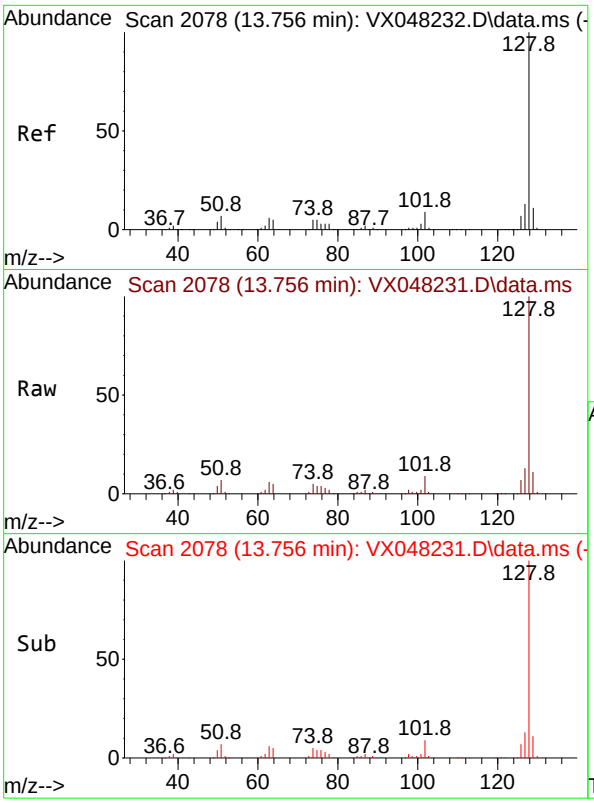


#94
Hexachlorobutadiene
Concen: 22.810 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:225 Resp: 14529

Ion	Ratio	Lower	Upper
225	100		
223	64.3	32.6	97.7
227	63.2	32.5	97.4

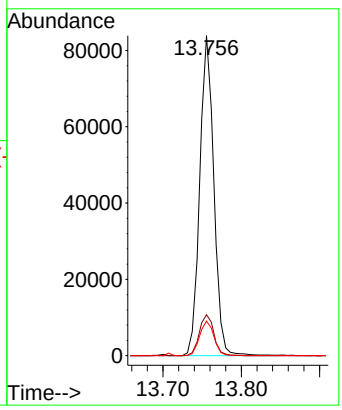




#95
Naphthalene
Concen: 24.073 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:128 Resp: 10480

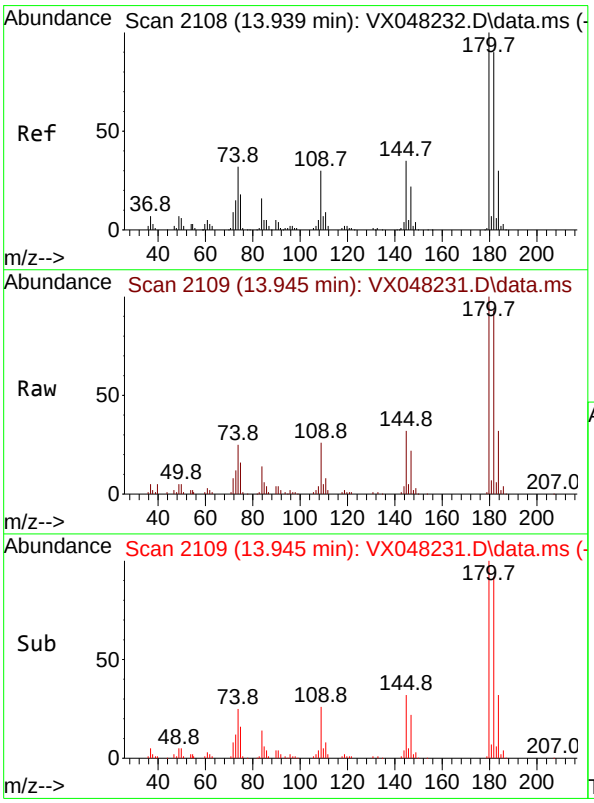
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

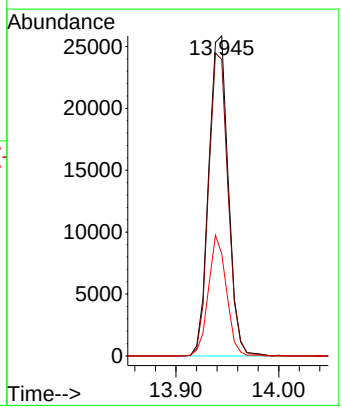
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 22.493 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048231.D
Acq: 20 Oct 2025 11:40

Tgt Ion:180 Resp: 34276

Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.6	139.7
145	34.6	16.9	50.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:35:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	124491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	201906	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	184494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	92693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	84951	44.048	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 88.100%			
35) Dibromofluoromethane	5.379	113	66593	47.523	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	8.635	98	239295	47.402	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.800%			
62) 4-Bromofluorobenzene	11.061	95	89579	48.719	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	60172	46.052	ug/l	98
3) Chloromethane	1.301	50	55934	35.336	ug/l	100
4) Vinyl Chloride	1.380	62	51819	31.067	ug/l	99
5) Bromomethane	1.618	94	35101	31.646	ug/l	98
6) Chloroethane	1.697	64	30718	28.940	ug/l	95
7) Trichlorofluoromethane	1.898	101	100423	38.358	ug/l	99
8) Diethyl Ether	2.136	74	27723	31.044	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.337	101	62391	42.290	ug/l	95
10) Methyl Iodide	2.459	142	82552	46.716	ug/l	99
11) Tert butyl alcohol	2.947	59	38534	301.123	ug/l	99
12) 1,1-Dichloroethene	2.325	96	60330	41.821	ug/l	94
13) Acrolein	2.239	56	40536	150.726	ug/l	100
14) Allyl chloride	2.666	41	100234	38.627	ug/l	97
15) Acrylonitrile	3.056	53	149009	243.004	ug/l	100
16) Acetone	2.374	43	126003	191.520	ug/l	100
17) Carbon Disulfide	2.514	76	179492	40.440	ug/l	99
18) Methyl Acetate	2.703	43	58071	43.336	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	212092	48.809	ug/l	96
20) Methylene Chloride	2.788	84	68663	42.841	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	66608	44.631	ug/l	96
22) Diisopropyl ether	3.757	45	206901	40.720	ug/l	91
23) Vinyl Acetate	3.715	43	839370	220.927	ug/l	97
24) 1,1-Dichloroethane	3.611	63	121657	42.204	ug/l	99
25) 2-Butanone	4.544	43	175075	228.411	ug/l	93
26) 2,2-Dichloropropane	4.471	77	109062	44.264	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	77911	43.988	ug/l	98
28) Bromochloromethane	4.885	49	54919	41.331	ug/l	85
29) Tetrahydrofuran	4.989	42	106381	236.335	ug/l	93
30) Chloroform	5.087	83	130274	42.925	ug/l	96
31) Cyclohexane	5.465	56	102251	43.351	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	121090	48.560	ug/l	99
36) 1,1-Dichloropropene	5.684	75	87493	44.323	ug/l	98
37) Ethyl Acetate	4.702	43	74261	47.073	ug/l	97
38) Carbon Tetrachloride	5.666	117	111708	49.302	ug/l	98
39) Methylcyclohexane	7.367	83	109077	49.008	ug/l	94
40) Benzene	6.025	78	262745	44.825	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 20 12:35:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	41293	48.874	ug/l		96
42) 1,2-Dichloroethane	6.074	62	100937	48.064	ug/l		99
43) Isopropyl Acetate	6.324	43	128290	48.444	ug/l		96
44) Trichloroethene	7.111	130	70313	47.597	ug/l		98
45) 1,2-Dichloropropane	7.415	63	64895	43.746	ug/l		99
46) Dibromomethane	7.568	93	49874	46.726	ug/l		94
47) Bromodichloromethane	7.806	83	108671	47.107	ug/l		97
48) Methyl methacrylate	7.678	41	65057	47.990	ug/l		94
49) 1,4-Dioxane	7.647	88	17905	1467.288	ug/l		90
51) 4-Methyl-2-Pentanone	8.555	43	380665	258.320	ug/l		95
52) Toluene	8.702	92	173942	49.373	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	109960	50.880	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	115534	49.046	ug/l		93
55) 1,1,2-Trichloroethane	9.135	97	64737	49.248	ug/l		96
56) Ethyl methacrylate	9.104	69	98851	55.290	ug/l		94
57) 1,3-Dichloropropane	9.293	76	110709	48.206	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	262387	285.817	ug/l		95
59) 2-Hexanone	9.415	43	269143	261.113	ug/l		96
60) Dibromochloromethane	9.506	129	85760	52.123	ug/l		98
61) 1,2-Dibromoethane	9.592	107	69022	51.208	ug/l		99
64) Tetrachloroethene	9.257	164	60510	46.776	ug/l		96
65) Chlorobenzene	10.061	112	192841	47.805	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	71930	49.482	ug/l		98
67) Ethyl Benzene	10.177	91	336660	48.680	ug/l		99
68) m/p-Xylenes	10.287	106	253662	98.455	ug/l		100
69) o-Xylene	10.622	106	122582	50.542	ug/l		98
70) Styrene	10.640	104	210861	50.508	ug/l		100
71) Bromoform	10.781	173	56874	53.279	ug/l	#	100
73) Isopropylbenzene	10.945	105	317974	49.321	ug/l		100
74) N-amyl acetate	10.823	43	115683	48.098	ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.195	83	87705	48.020	ug/l		99
76) 1,2,3-Trichloropropane	11.220	75	68104m	48.115	ug/l		
77) Bromobenzene	11.183	156	79543	49.303	ug/l		94
78) n-propylbenzene	11.287	91	372312	47.621	ug/l		98
79) 2-Chlorotoluene	11.348	91	222217	47.045	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	265174	50.108	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	29295	50.678	ug/l		98
82) 4-Chlorotoluene	11.439	91	267236	48.142	ug/l		98
83) tert-Butylbenzene	11.695	119	270202	50.539	ug/l		96
84) 1,2,4-Trimethylbenzene	11.732	105	265485	50.381	ug/l		99
85) sec-Butylbenzene	11.872	105	322219	49.298	ug/l		100
86) p-Isopropyltoluene	11.994	119	276821	50.246	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	143699	47.627	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	146196	46.744	ug/l		99
89) n-Butylbenzene	12.317	91	243063	47.367	ug/l		99
90) Hexachloroethane	12.518	117	52735	45.350	ug/l		96
91) 1,2-Dichlorobenzene	12.317	146	138489	48.582	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	18059	54.111	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	88920	52.839	ug/l		99
94) Hexachlorobutadiene	13.707	225	34615	53.334	ug/l		97
95) Naphthalene	13.756	128	257281	57.999	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	84279	54.281	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:35:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

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

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

ICAL Form

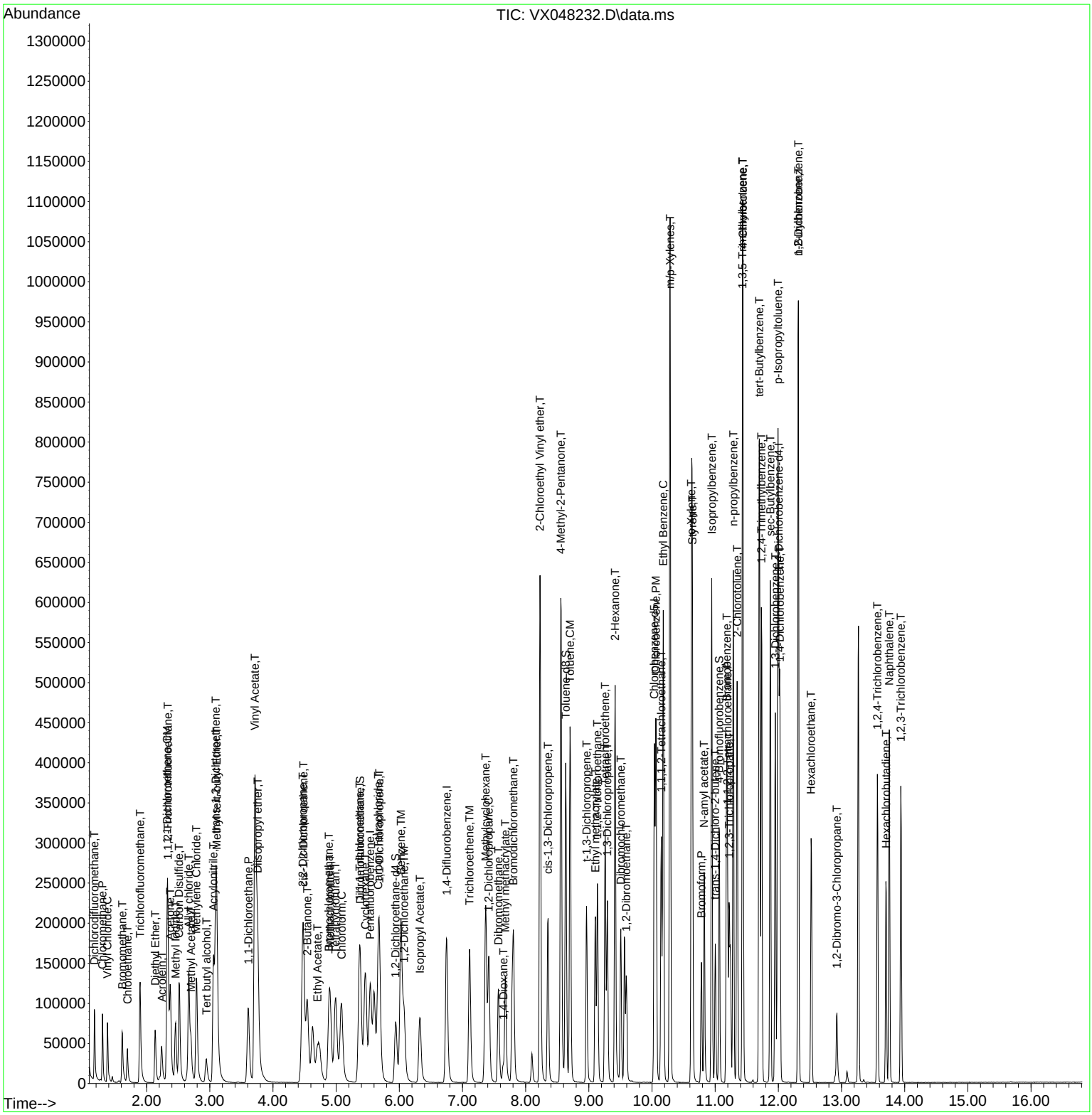
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Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

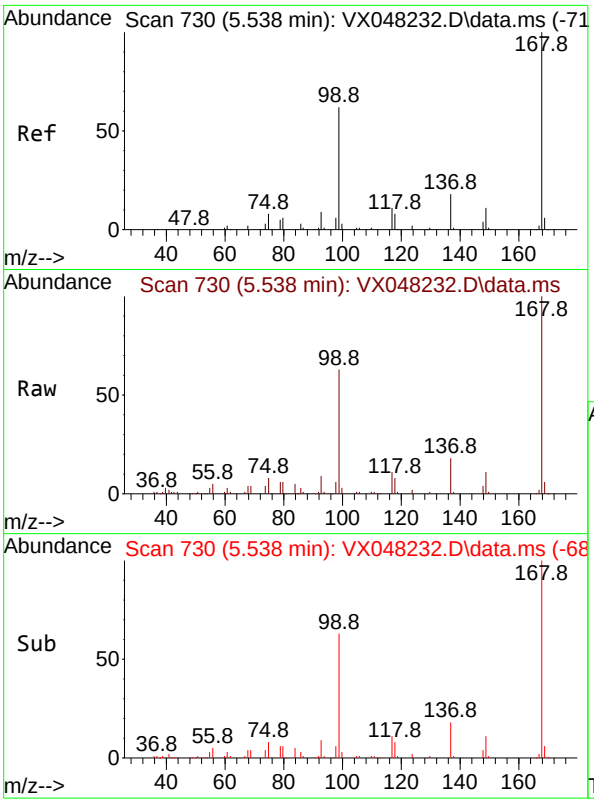
Quant Time: Oct 20 12:35:48 2025
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Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

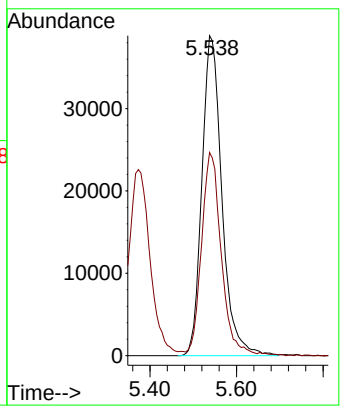
Tgt Ion:168 Resp: 12449

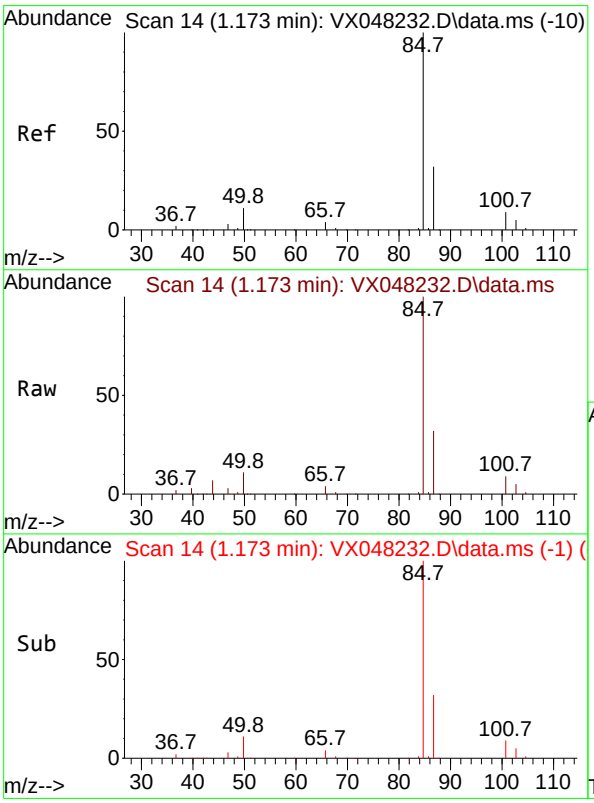
Ion	Ratio	Lower	Upper
168	100		
99	63.3	46.4	69.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

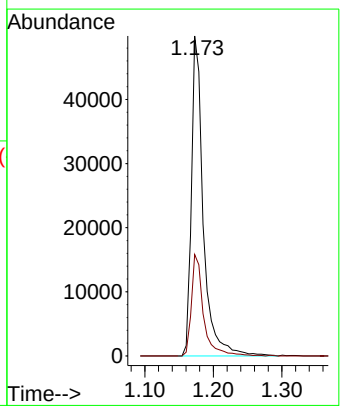


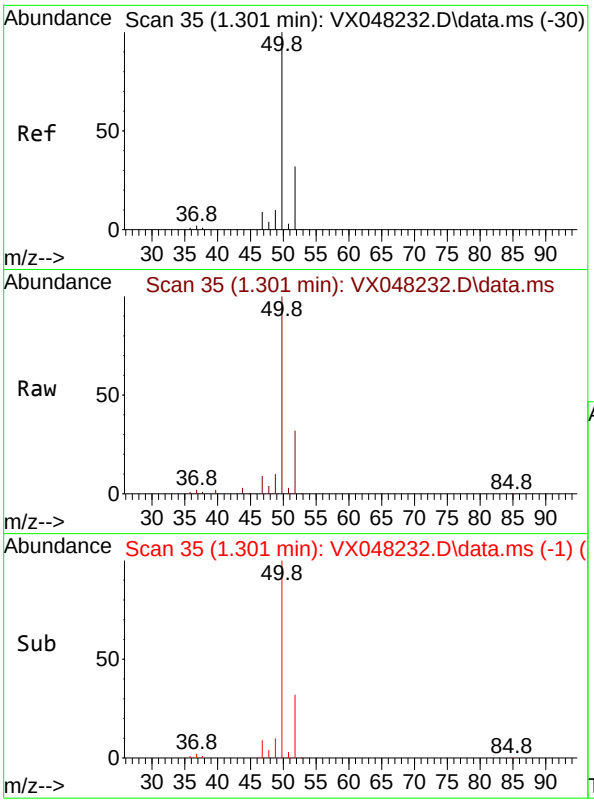


#2
Dichlorodifluoromethane
Concen: 46.052 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 85 Resp: 60172

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.3	45.9

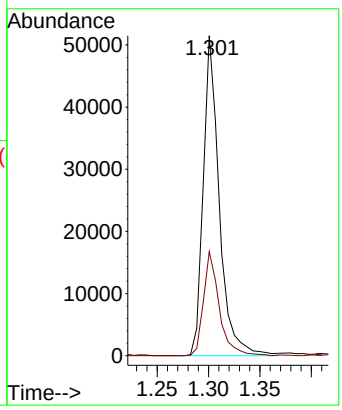




#3
Chloromethane
Concen: 35.336 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 50 Resp: 5593

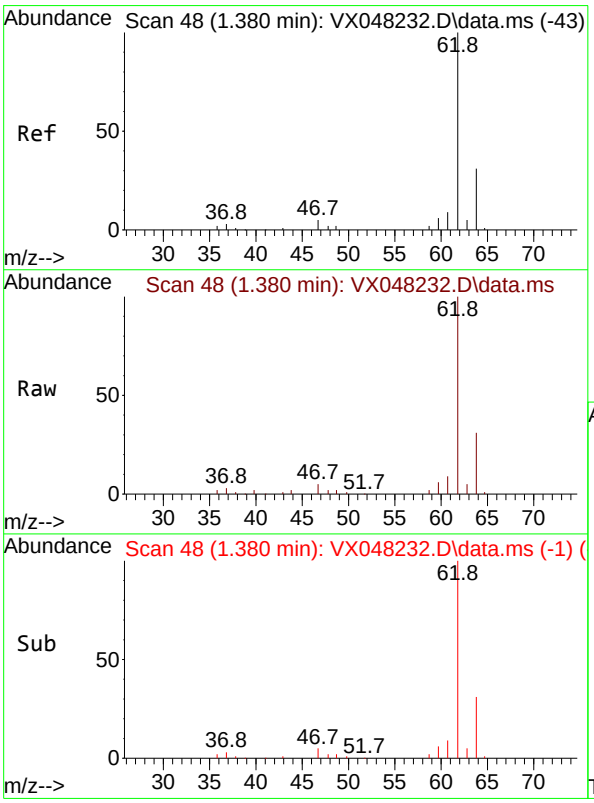
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

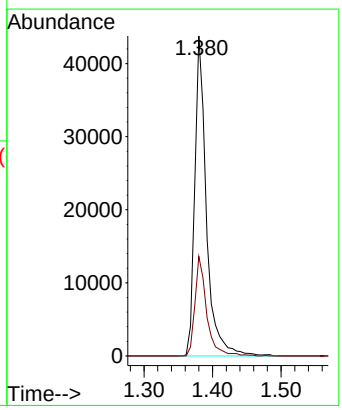
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

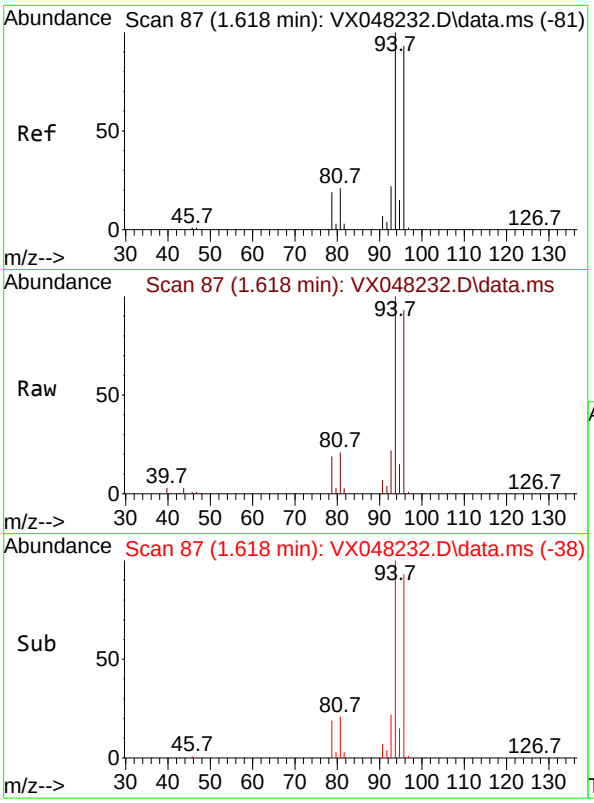


#4
Vinyl Chloride
Concen: 31.067 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 62 Resp: 51819

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.1	37.7

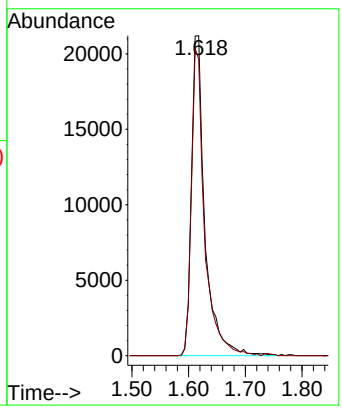




#5
Bromomethane
Concen: 31.646 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 94 Resp: 3510

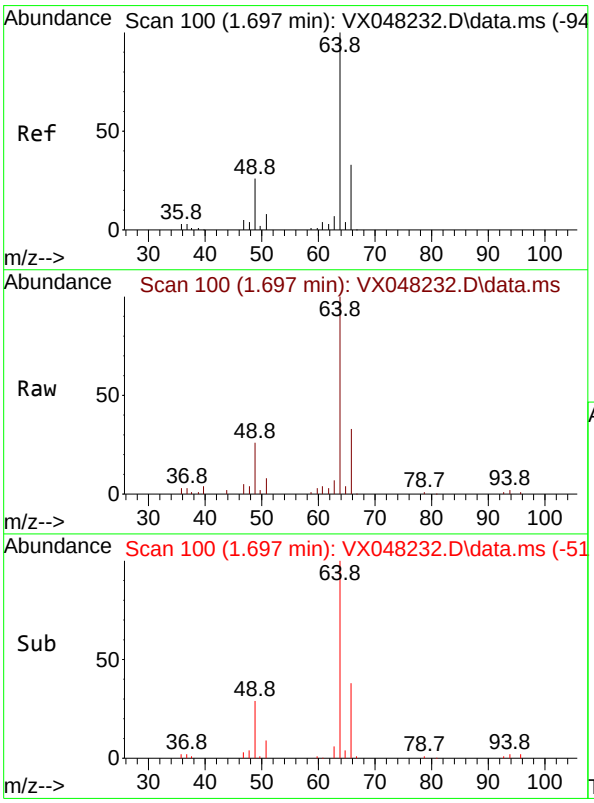
Ion	Ratio	Lower	Upper
94	100		
96	92.7	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

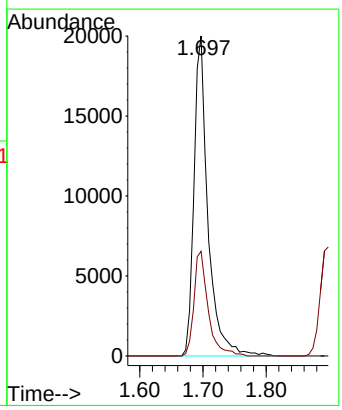
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

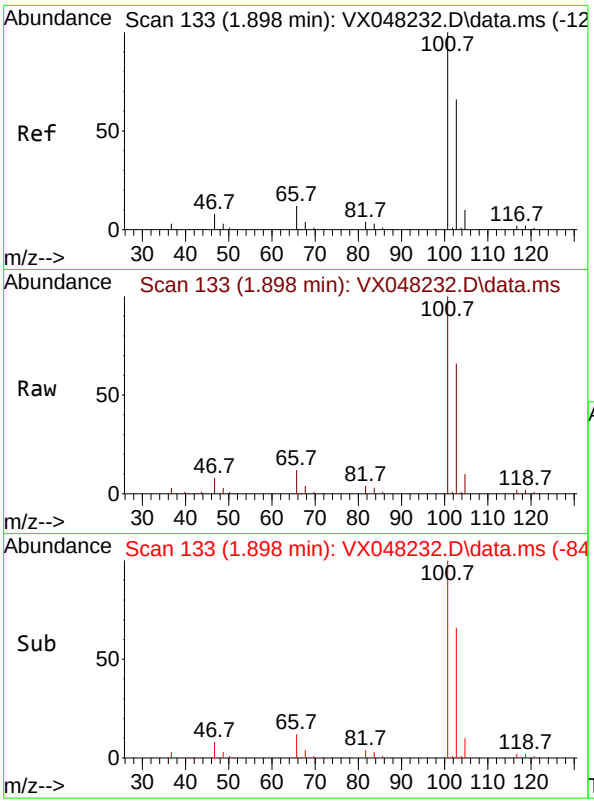


#6
Chloroethane
Concen: 28.940 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 64 Resp: 30718

Ion	Ratio	Lower	Upper
64	100		
66	32.7	23.9	35.9





#7
Trichlorofluoromethane
Concen: 38.358 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

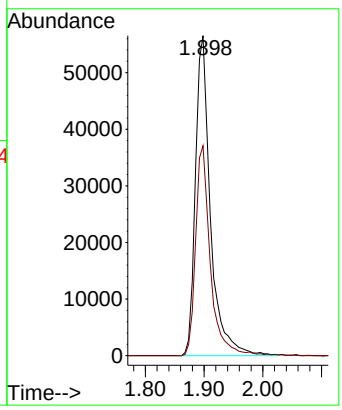
Tgt Ion:101 Resp: 10042

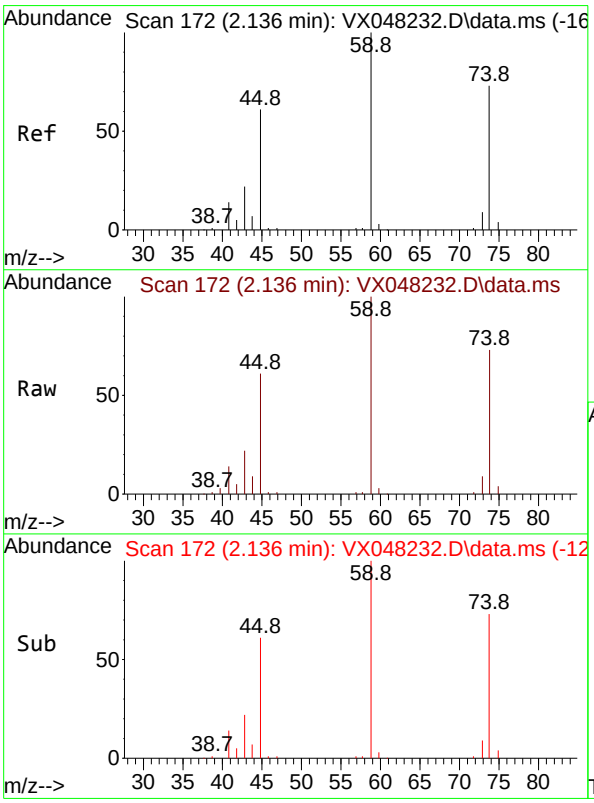
Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.6	77.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

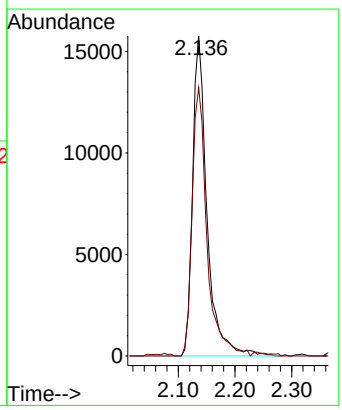


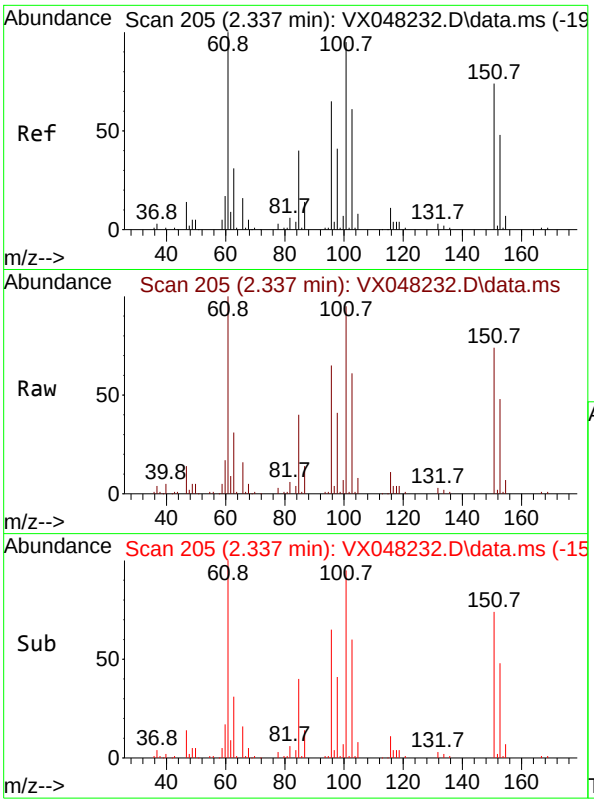


#8
Diethyl Ether
Concen: 31.044 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 74 Resp: 27723

Ion	Ratio	Lower	Upper
74	100		
45	86.5	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.290 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

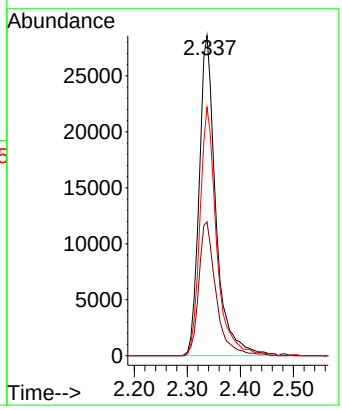
Tgt Ion:101 Resp: 6239

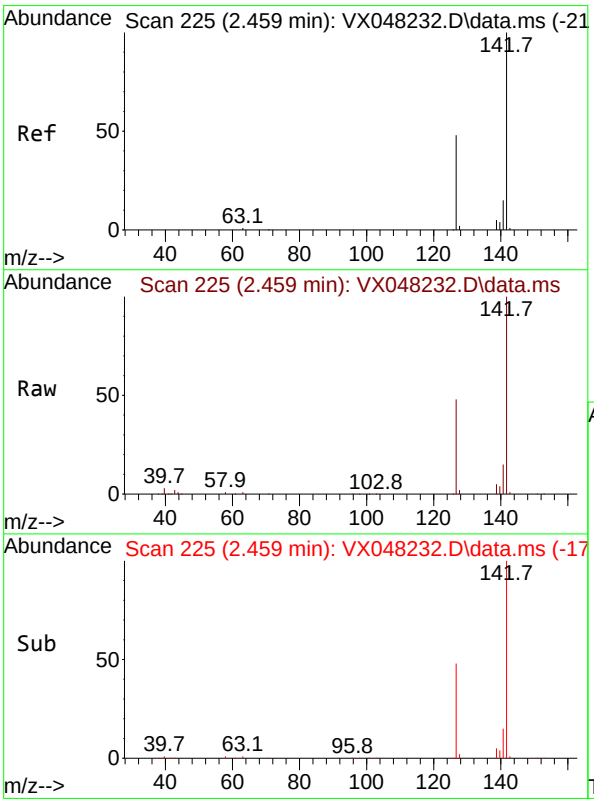
Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.6	53.4
151	77.9	58.0	87.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

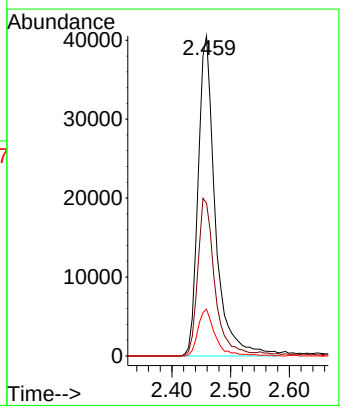


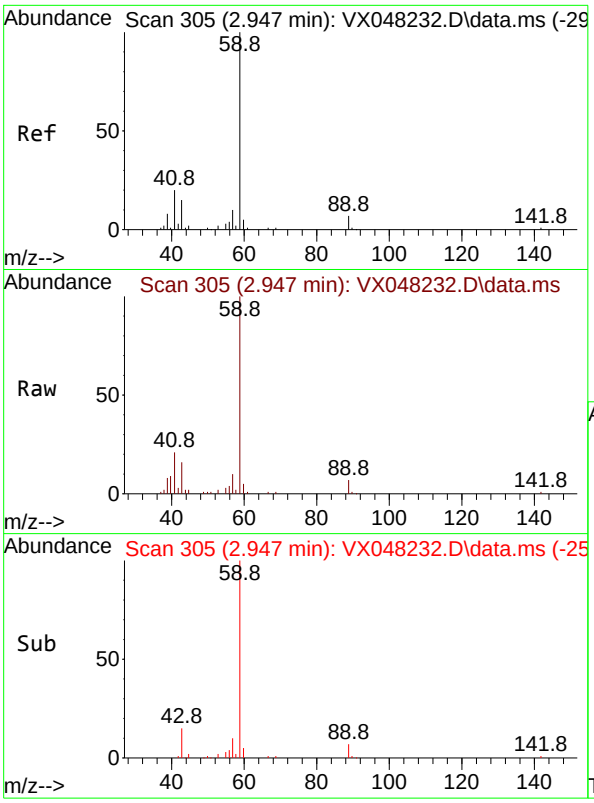


#10
Methyl Iodide
Concen: 46.716 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:142 Resp: 82552

Ion	Ratio	Lower	Upper
142	100		
127	48.9	38.5	57.7
141	14.7	11.6	17.4

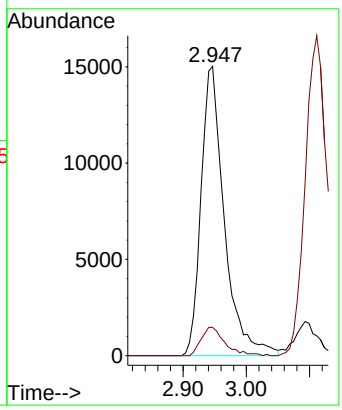




#11
Tert butyl alcohol
Concen: 301.123 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 59 Resp: 3853

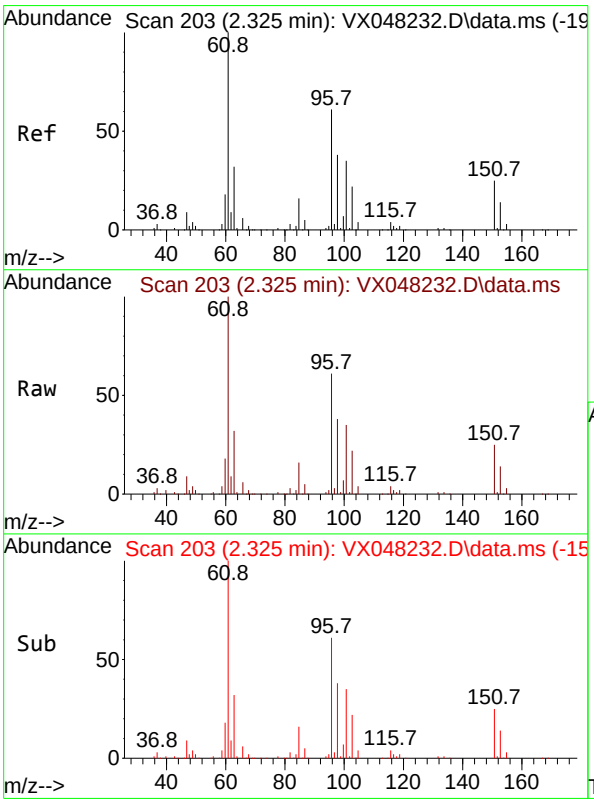
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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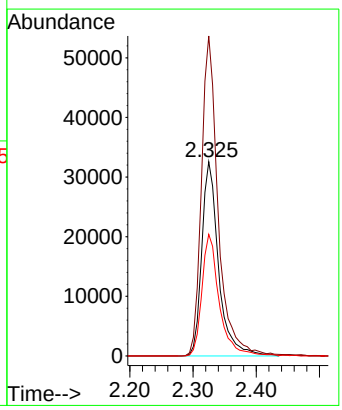
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

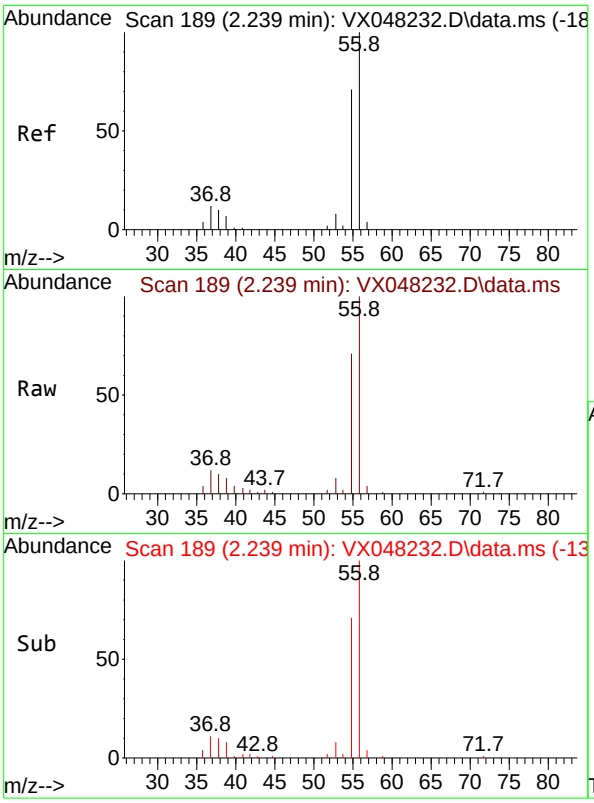


#12
1,1-Dichloroethene
Concen: 41.821 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 96 Resp: 60330

Ion	Ratio	Lower	Upper
96	100		
61	164.7	139.0	208.6
98	62.6	52.4	78.6

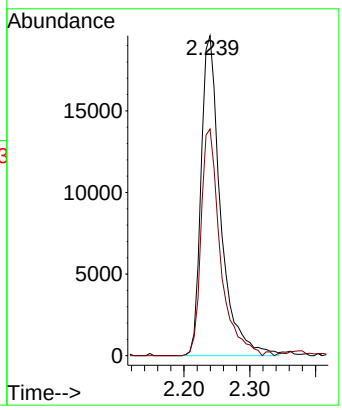




#13
Acrolein
Concen: 150.726 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 56 Resp: 4053

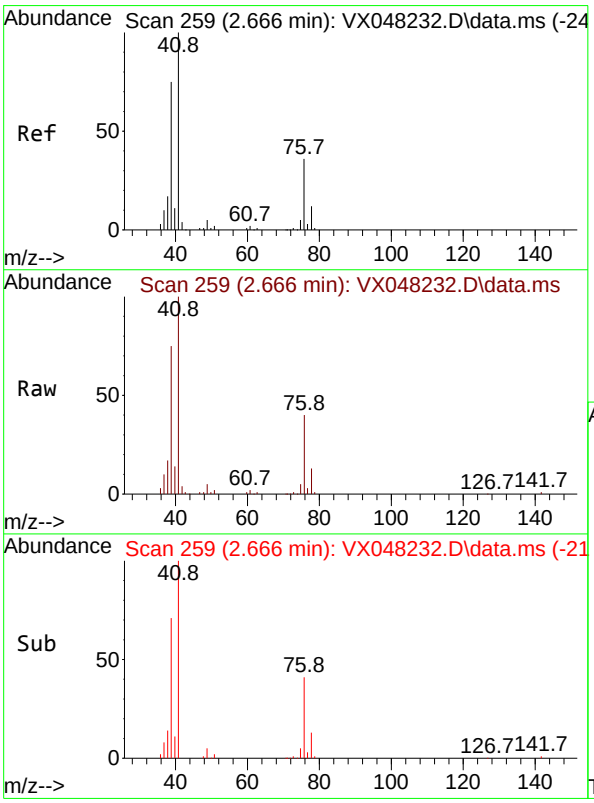
Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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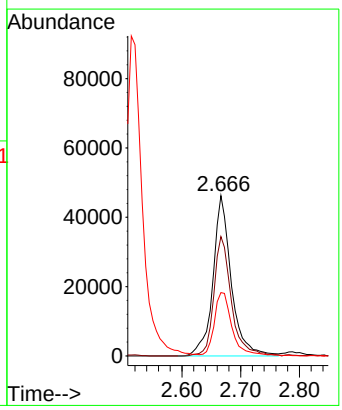
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

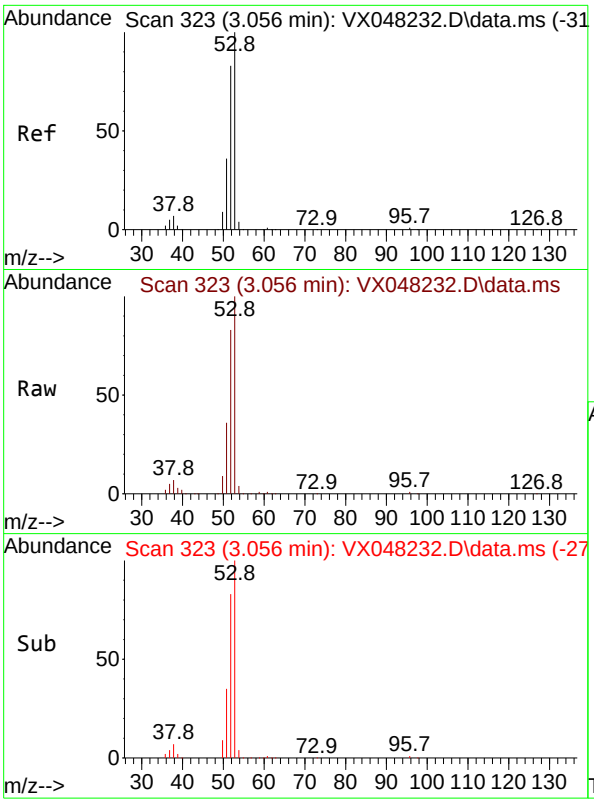


#14
Allyl chloride
Concen: 38.627 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 41 Resp: 100234

Ion	Ratio	Lower	Upper
41	100		
39	71.0	56.0	84.0
76	38.6	27.5	41.3

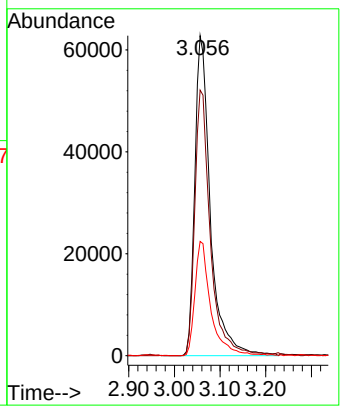




#15
Acrylonitrile
Concen: 243.004 ug/l
RT: 3.056 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 53 Resp: 14900

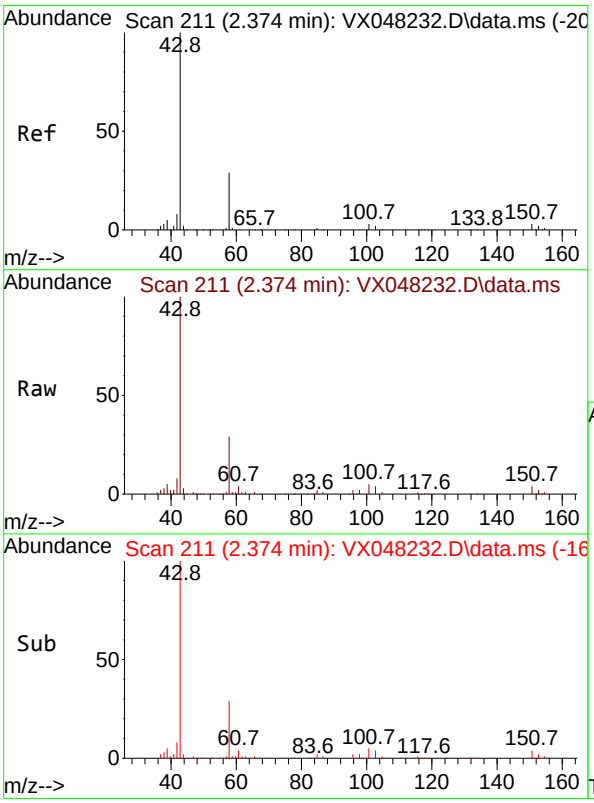
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.1	99.1
51	36.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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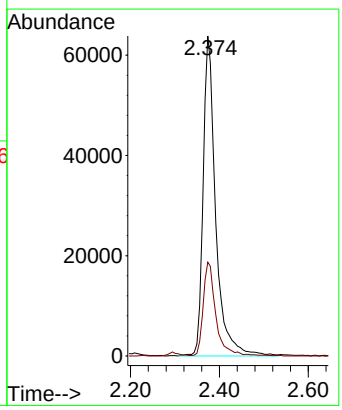
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

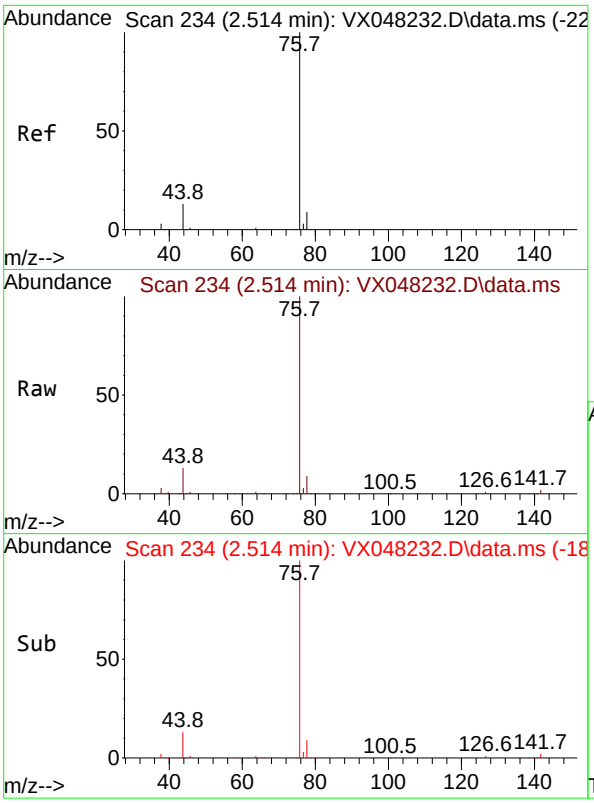


#16
Acetone
Concen: 191.520 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 126003

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.2





#17
Carbon Disulfide
Concen: 40.440 ug/l
RT: 2.514 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

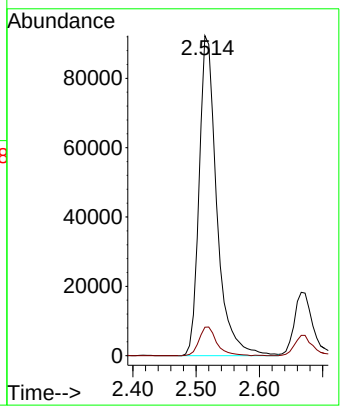
Tgt Ion: 76 Resp: 17949

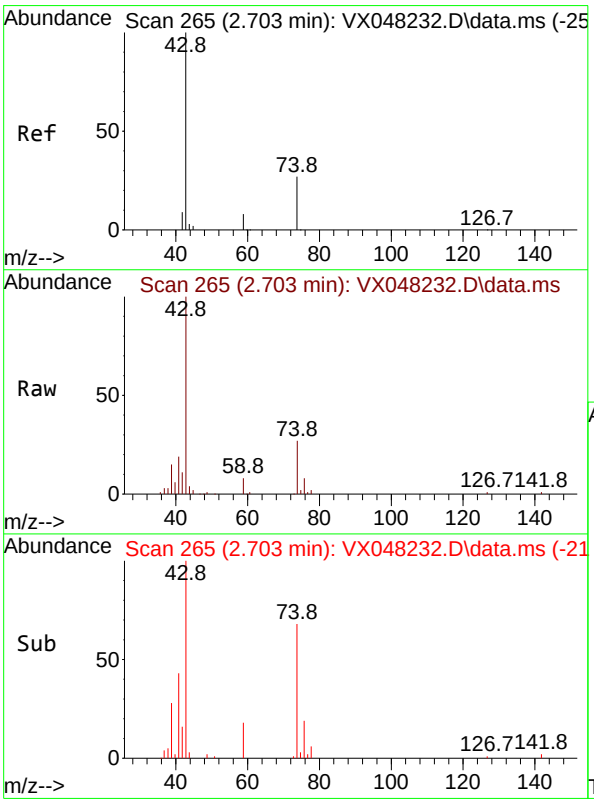
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

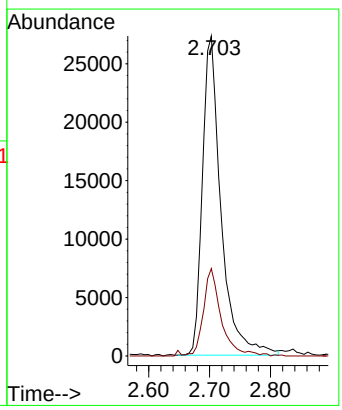


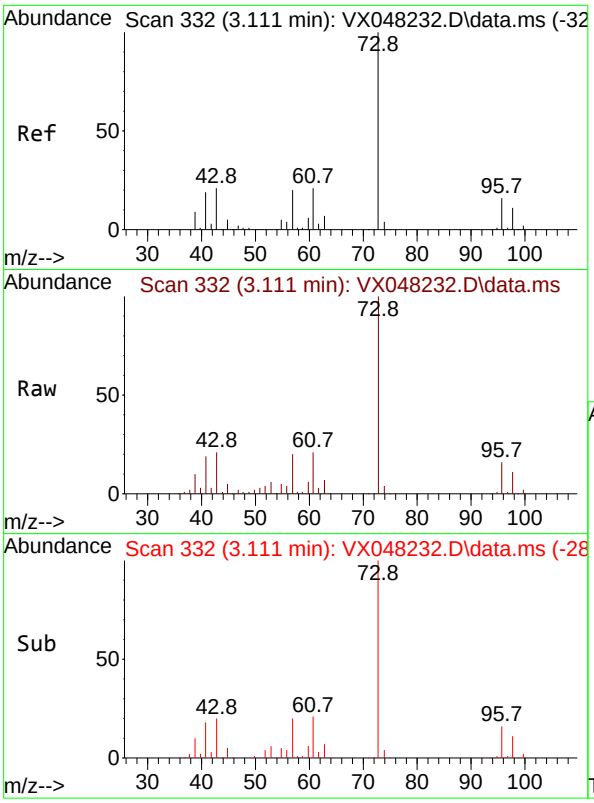


#18
Methyl Acetate
Concen: 43.336 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 58071

Ion	Ratio	Lower	Upper
43	100		
74	26.0	17.5	26.3

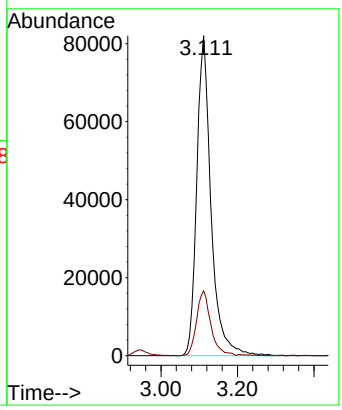




#19
Methyl tert-butyl Ether
Concen: 48.809 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 73 Resp: 21209

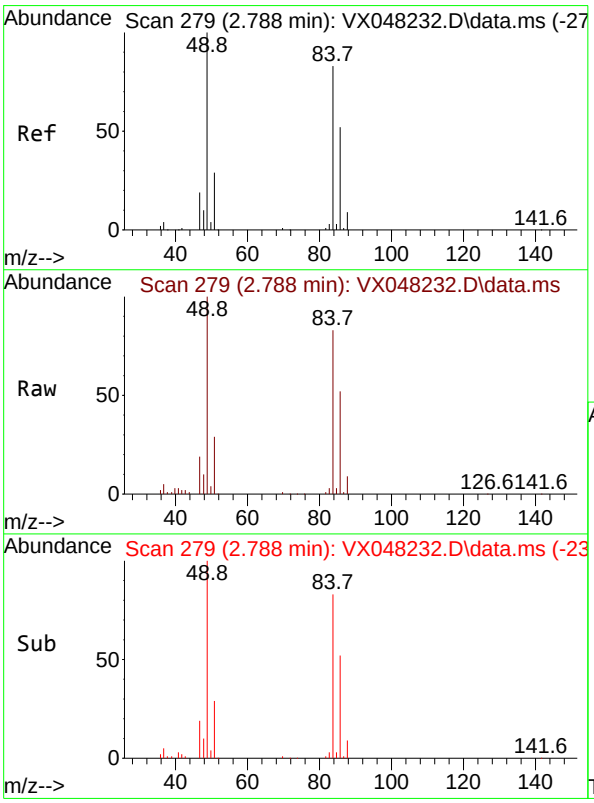
Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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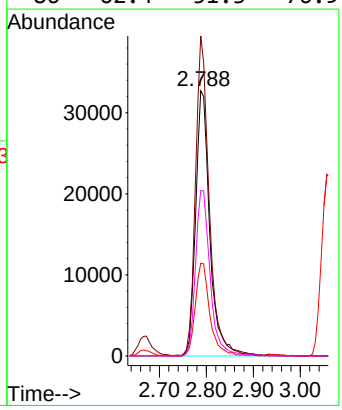
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

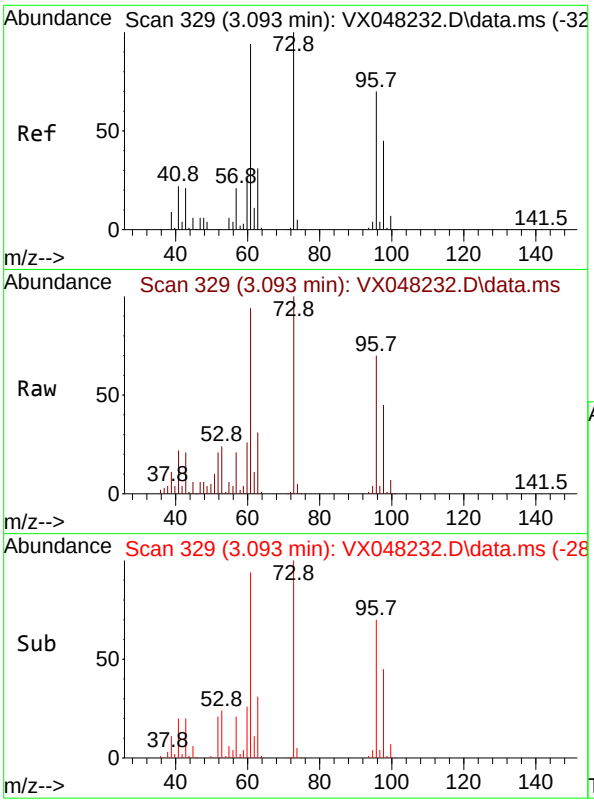


#20
Methylene Chloride
Concen: 42.841 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 84 Resp: 68663

Ion	Ratio	Lower	Upper
84	100		
49	120.4	104.1	156.1
51	35.0	31.3	46.9
86	62.4	51.3	76.9

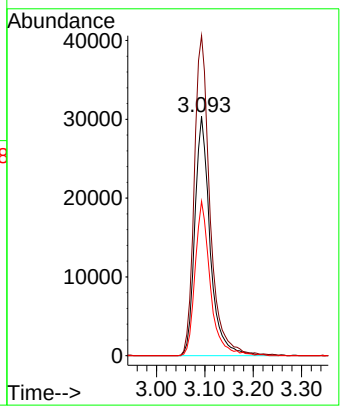




#21
trans-1,2-Dichloroethene
Concen: 44.631 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 96 Resp: 6660

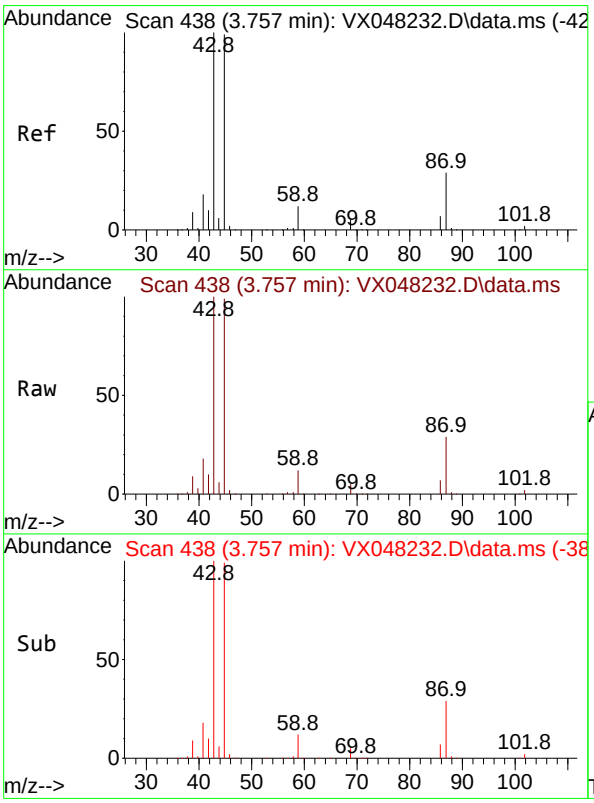
Ion	Ratio	Lower	Upper
96	100		
61	133.8	111.9	167.9
98	64.5	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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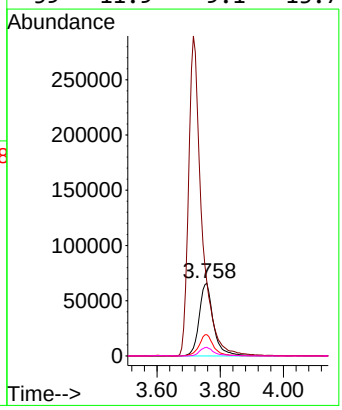
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

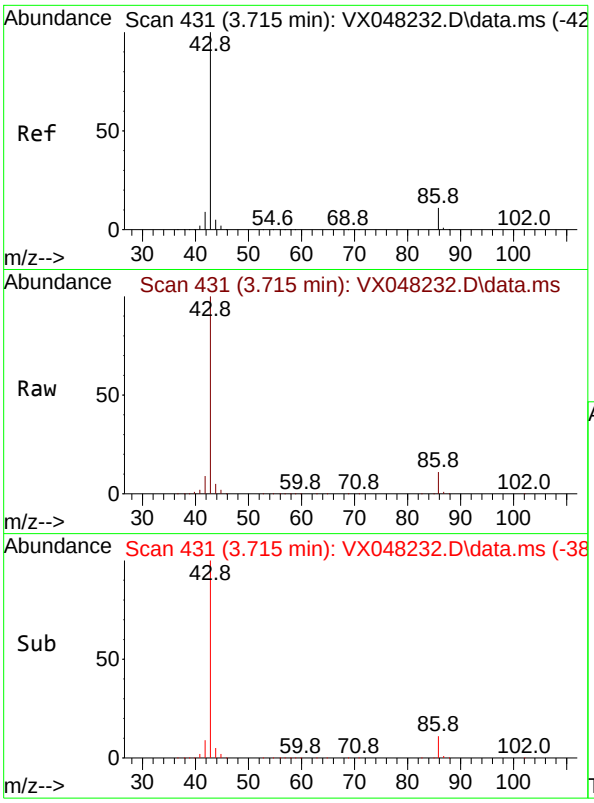


#22
Diisopropyl ether
Concen: 40.720 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 45 Resp: 206901

Ion	Ratio	Lower	Upper
45	100		
43	101.1	89.8	134.8
87	29.3	20.6	31.0
59	11.9	9.1	13.7





#23
Vinyl Acetate
Concen: 220.927 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

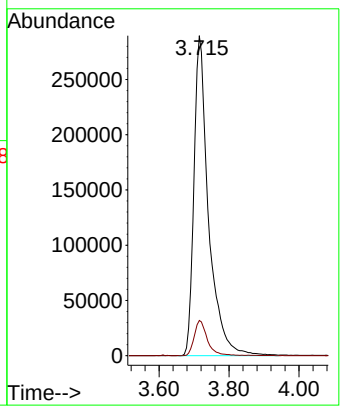
Tgt Ion: 43 Resp: 83937

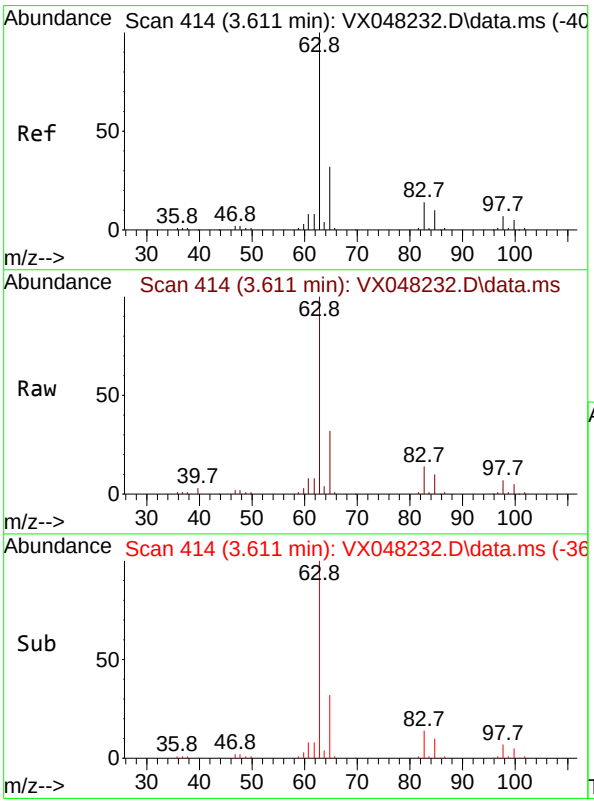
Ion	Ratio	Lower	Upper
43	100		
86	11.0	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

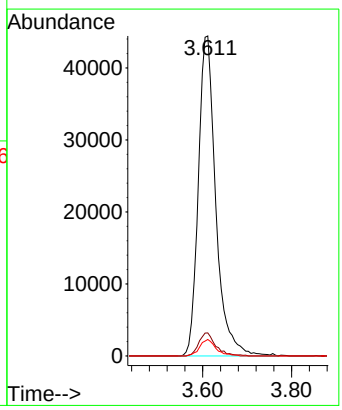


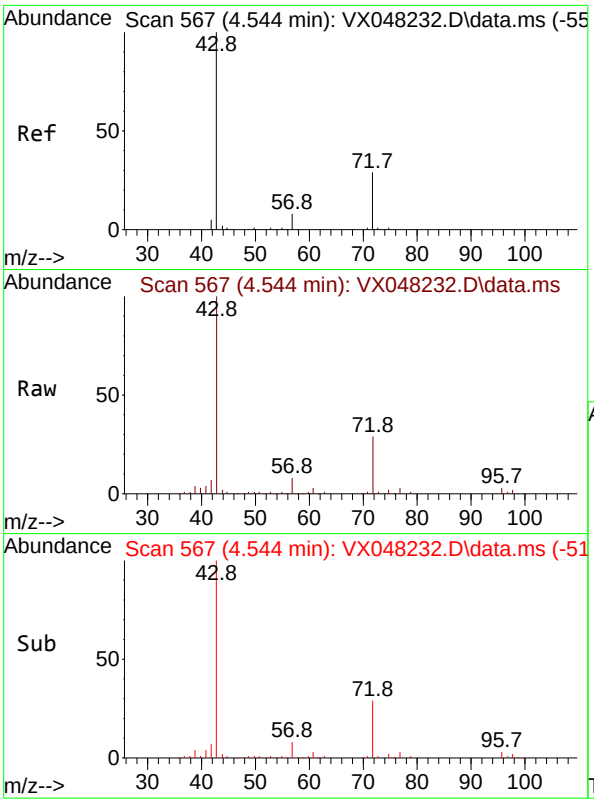


#24
1,1-Dichloroethane
Concen: 42.204 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 63 Resp: 121657

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	5.1	2.1	6.3

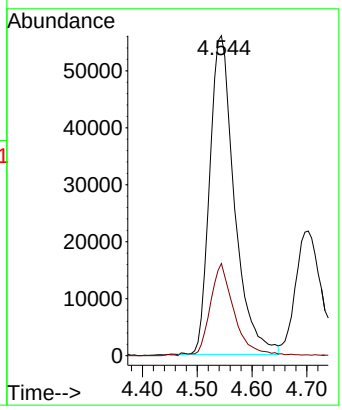




#25
2-Butanone
Concen: 228.411 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 17507

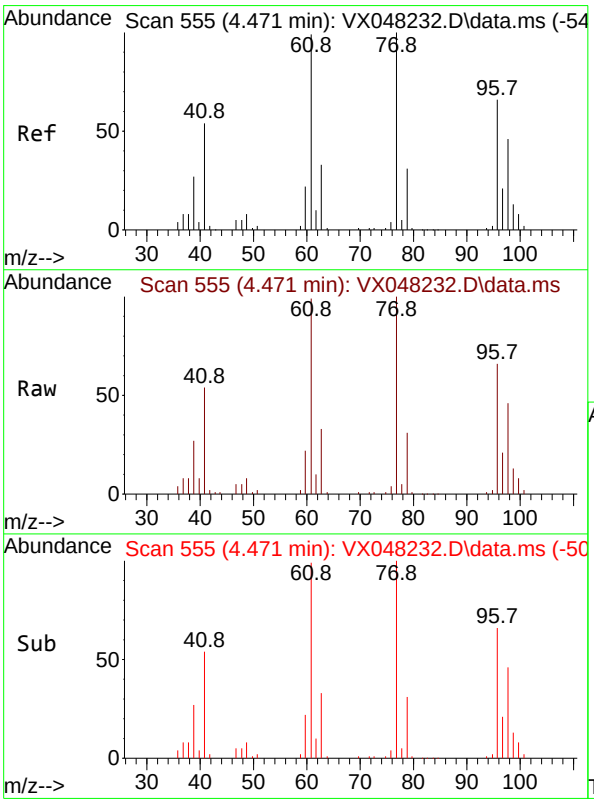
Ion	Ratio	Lower	Upper
43	100		
72	28.6	19.9	29.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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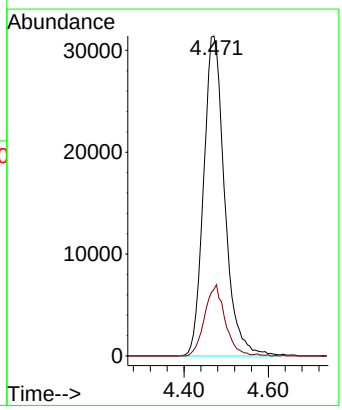
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

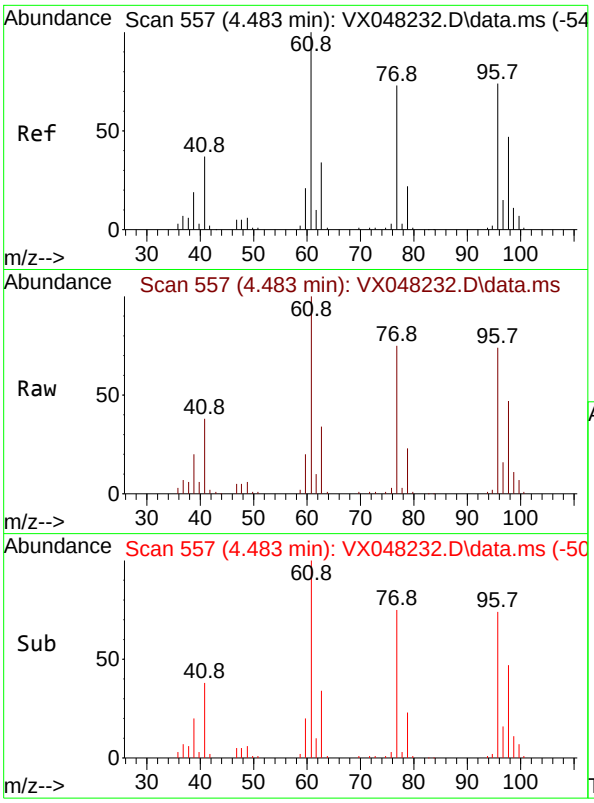


#26
2,2-Dichloropropane
Concen: 44.264 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 77 Resp: 109062

Ion	Ratio	Lower	Upper
77	100		
97	21.5	11.1	33.3





#27
cis-1,2-Dichloroethene
Concen: 43.988 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

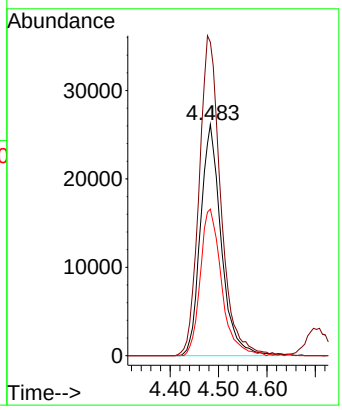
Tgt Ion: 96 Resp: 7791

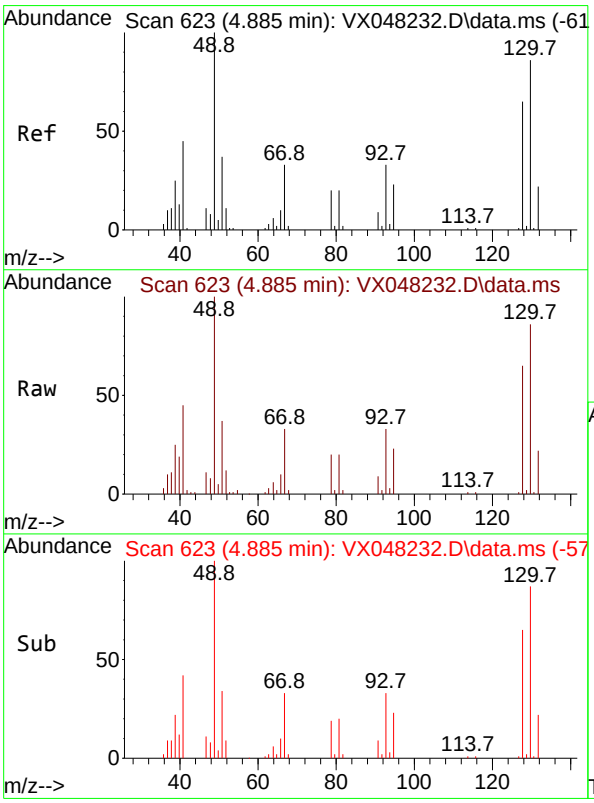
Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	294.2
98	64.9	0.0	128.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

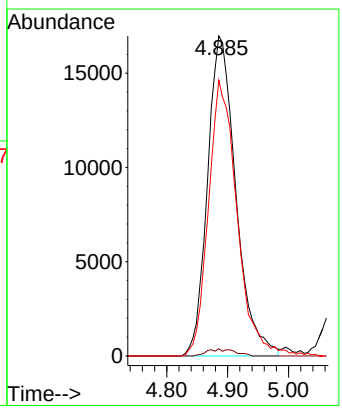


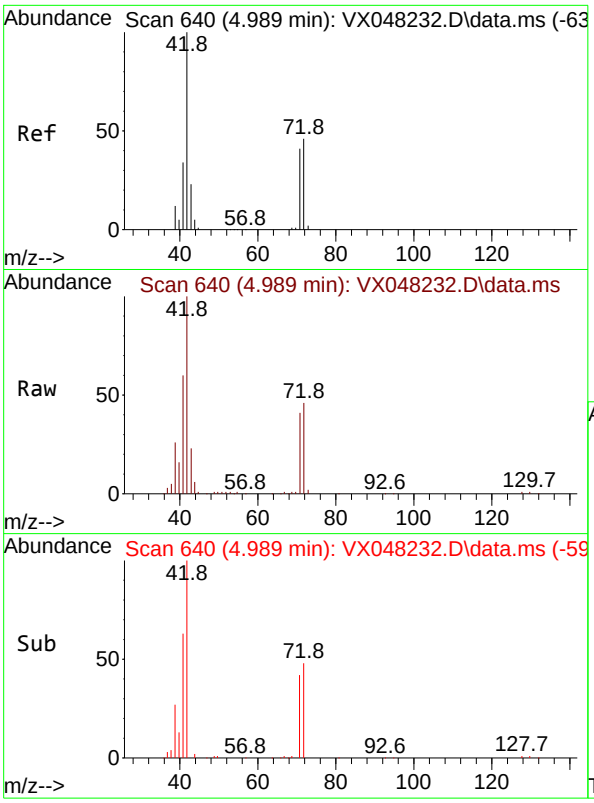


#28
Bromochloromethane
Concen: 41.331 ug/l
RT: 4.885 min Scan# 623
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 49 Resp: 54919

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.4
130	86.9	59.3	88.9





#29
Tetrahydrofuran
Concen: 236.335 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

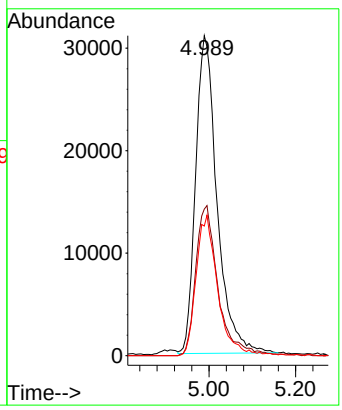
Tgt Ion: 42 Resp: 10638

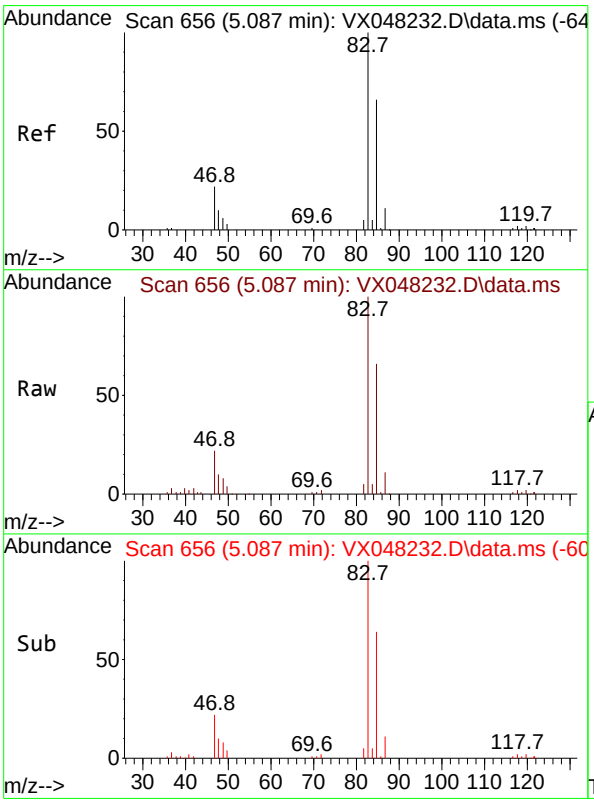
Ion	Ratio	Lower	Upper
42	100		
72	49.2	35.3	52.9
71	44.3	32.2	48.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

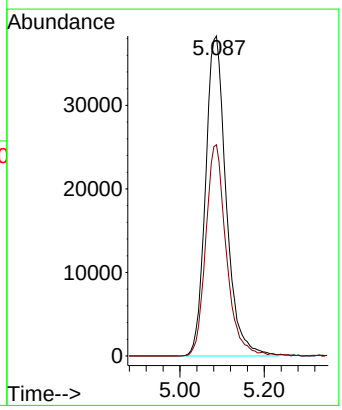


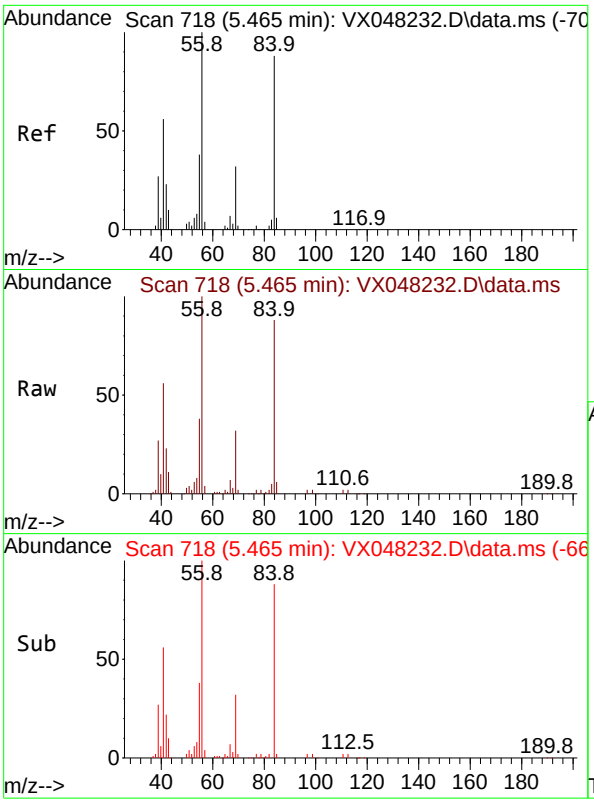


#30
Chloroform
Concen: 42.925 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 83 Resp: 130274

Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.1	75.1

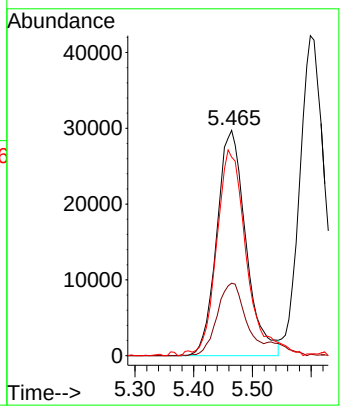




#31
Cyclohexane
Concen: 43.351 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 56 Resp: 10225

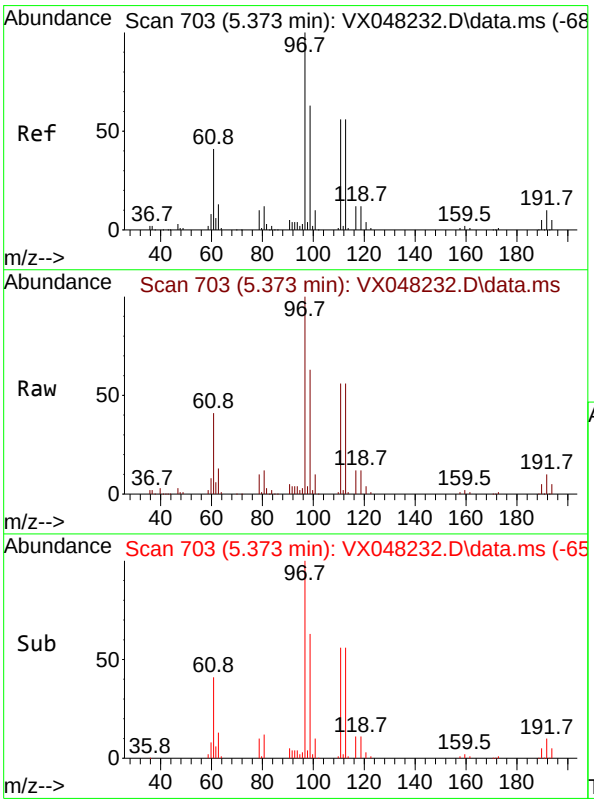
Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.0	34.6
84	87.9	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

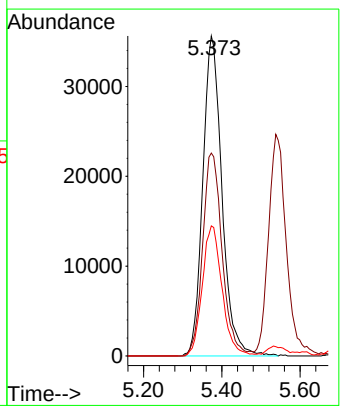
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

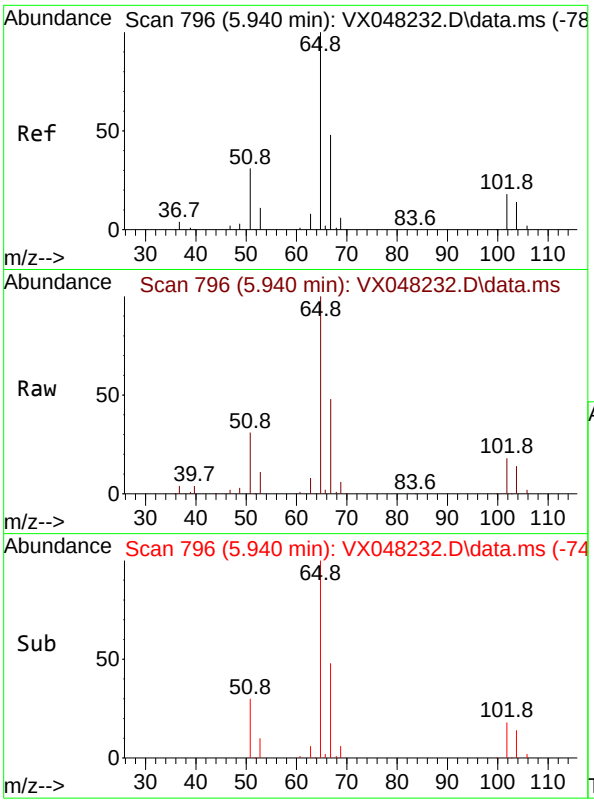


#32
1,1,1-Trichloroethane
Concen: 48.560 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 97 Resp: 121090

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	41.8	34.8	52.2

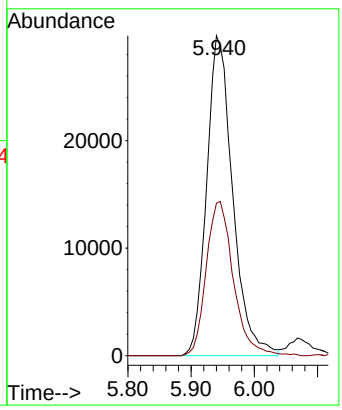




#33
1,2-Dichloroethane-d4
Concen: 44.048 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 65 Resp: 8495

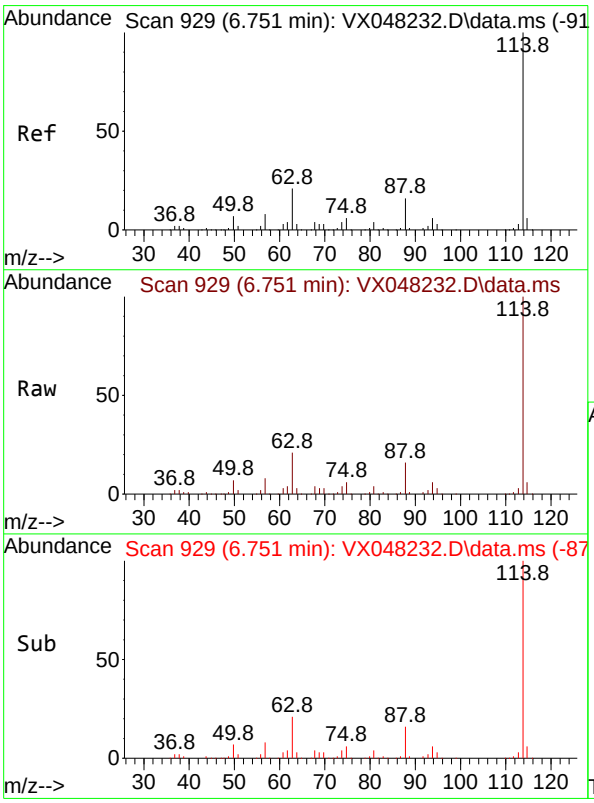
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

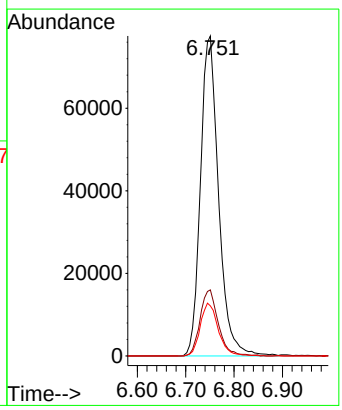
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

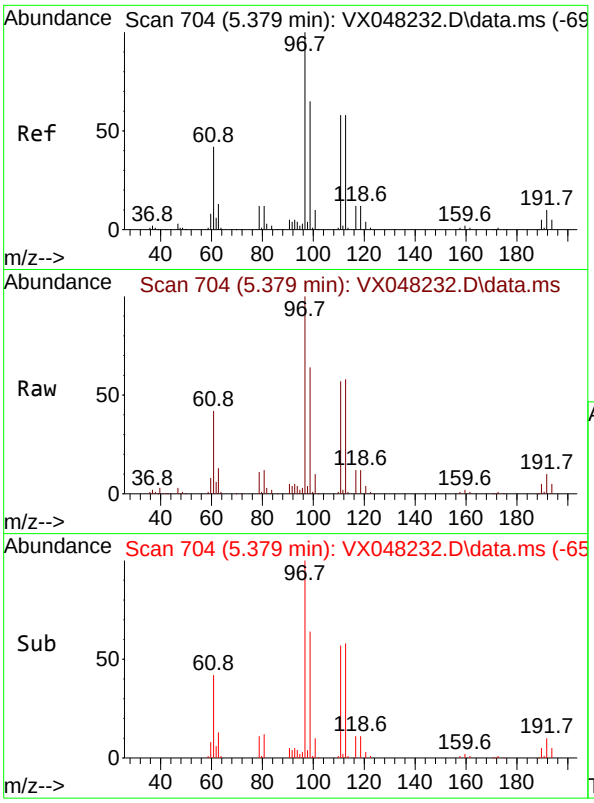


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:114 Resp: 201906

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.2
88	15.7	0.0	33.6

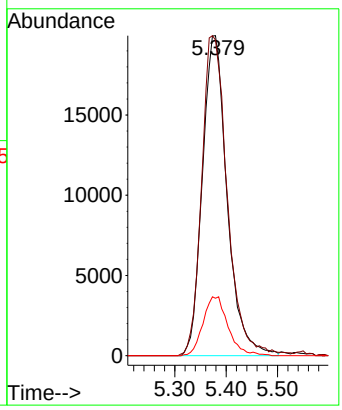




#35
Dibromofluoromethane
Concen: 47.523 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:113 Resp: 6659

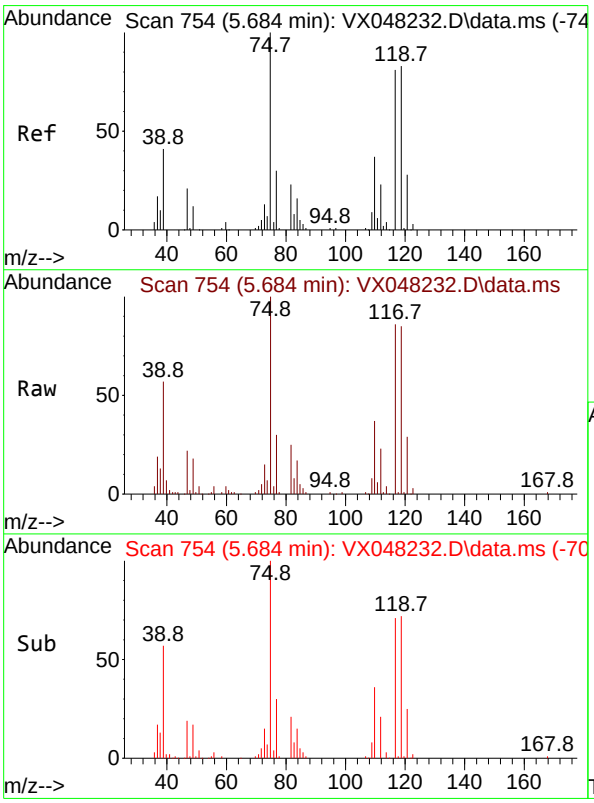
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	18.7	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

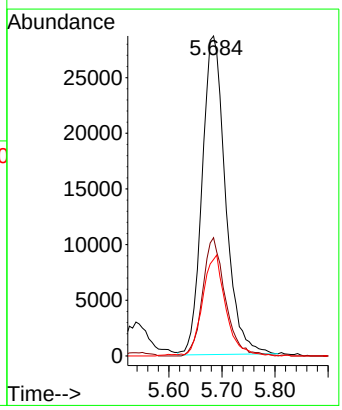
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

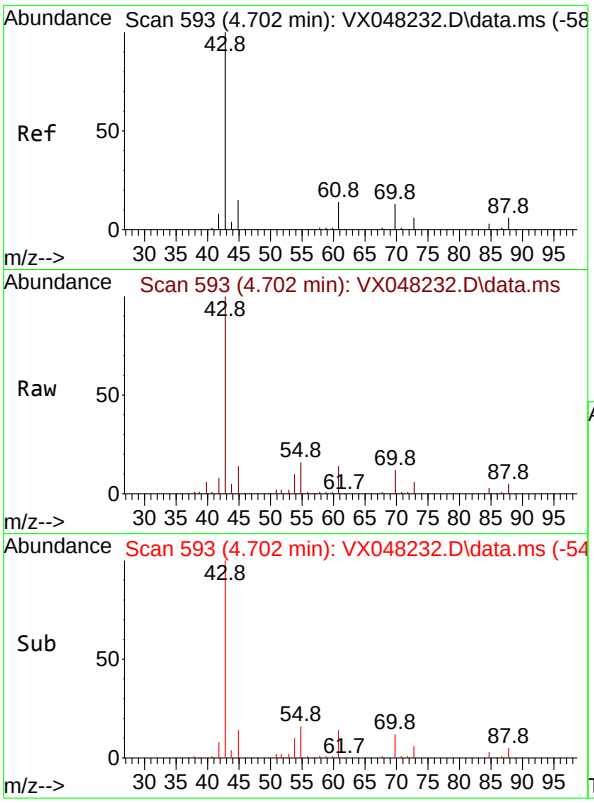


#36
1,1-Dichloropropene
Concen: 44.323 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 87493

Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.7	53.1
77	31.7	24.3	36.5

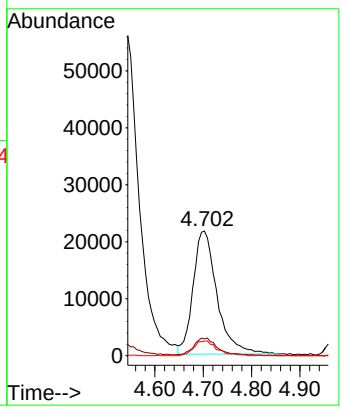




#37
Ethyl Acetate
Concen: 47.073 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 7426

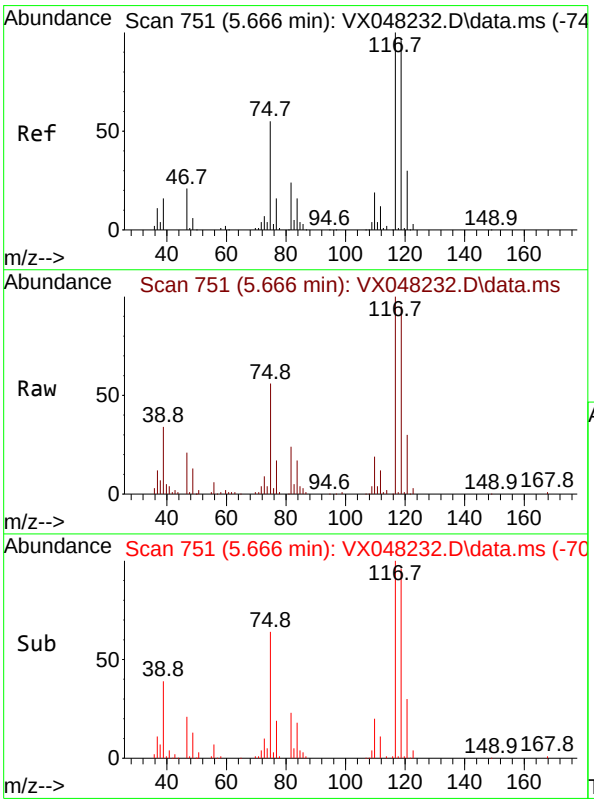
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.6	15.8
70	11.6	7.8	11.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

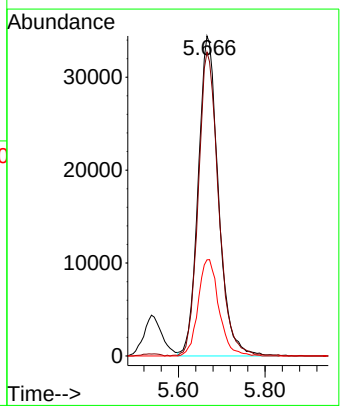
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

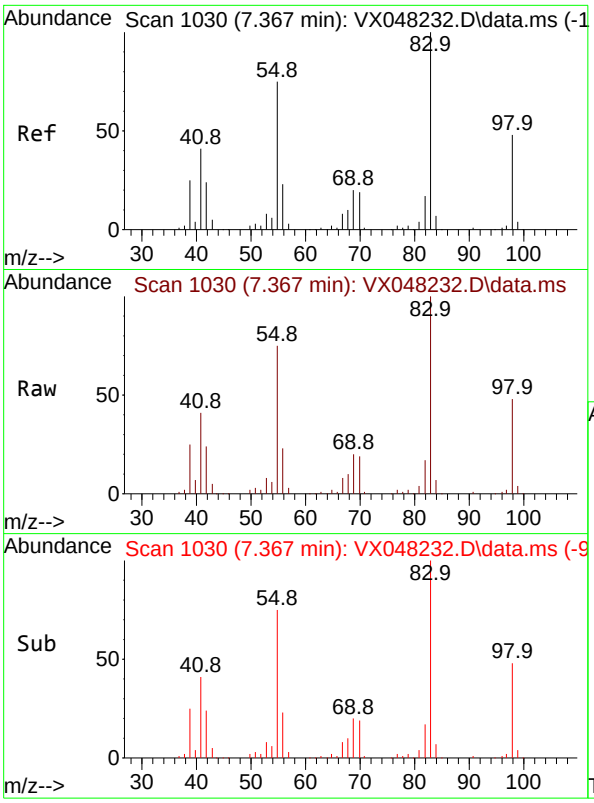


#38
Carbon Tetrachloride
Concen: 49.302 ug/l
RT: 5.666 min Scan# 751
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:117 Resp: 111708

Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.2	115.8
121	30.1	24.8	37.2

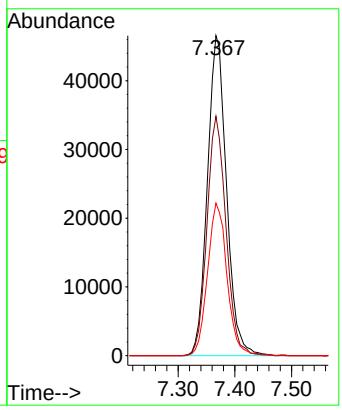




#39
Methylcyclohexane
Concen: 49.008 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 83 Resp: 10907

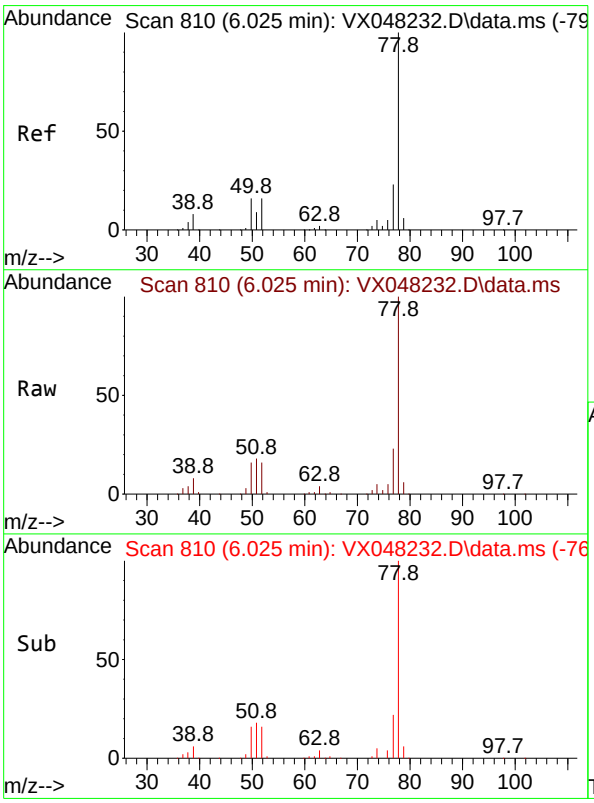
Ion	Ratio	Lower	Upper
83	100		
55	74.8	66.2	99.2
98	47.6	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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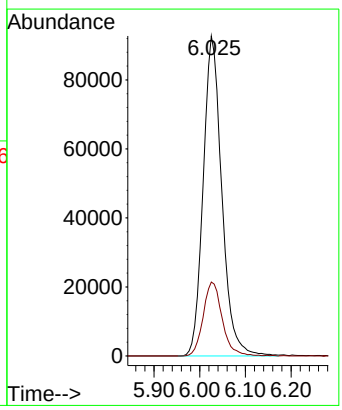
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

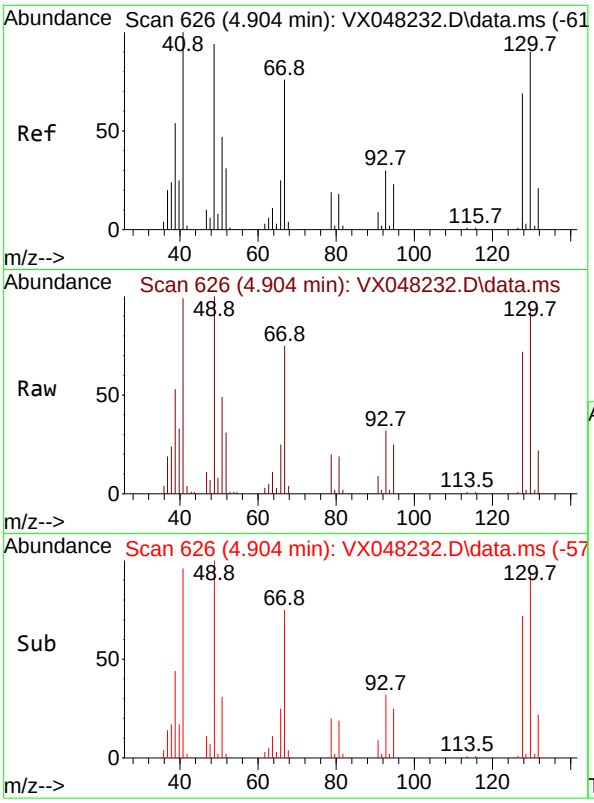


#40
Benzene
Concen: 44.825 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 78 Resp: 262745

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.3	28.9

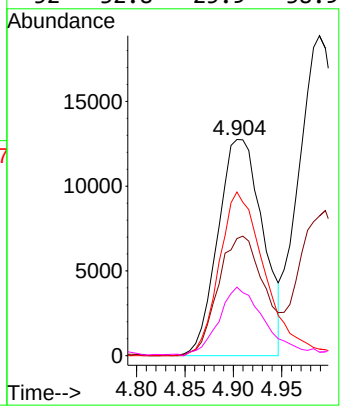




#41
Methacrylonitrile
Concen: 48.874 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 41 Resp: 4129

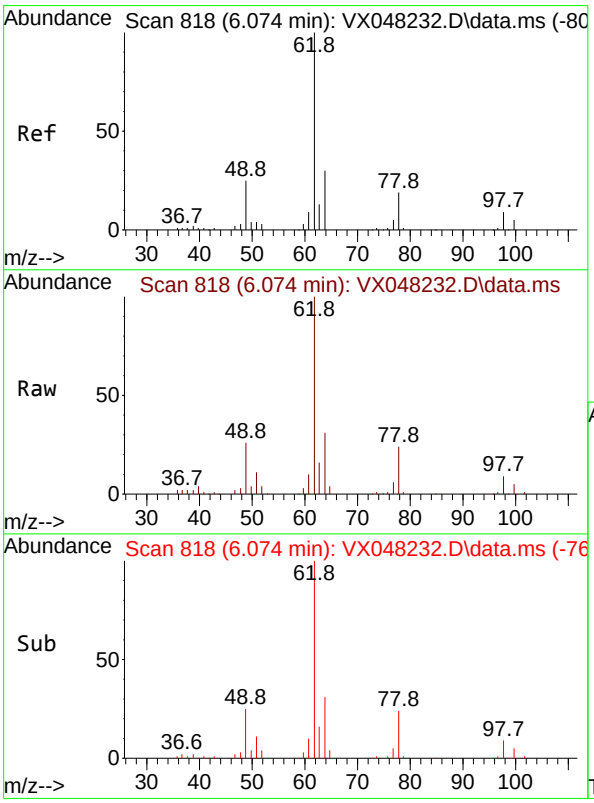
Ion	Ratio	Lower	Upper
41	100		
39	56.1	44.0	66.0
67	78.6	58.7	88.1
52	32.8	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

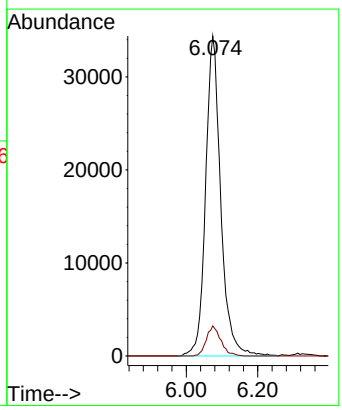
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

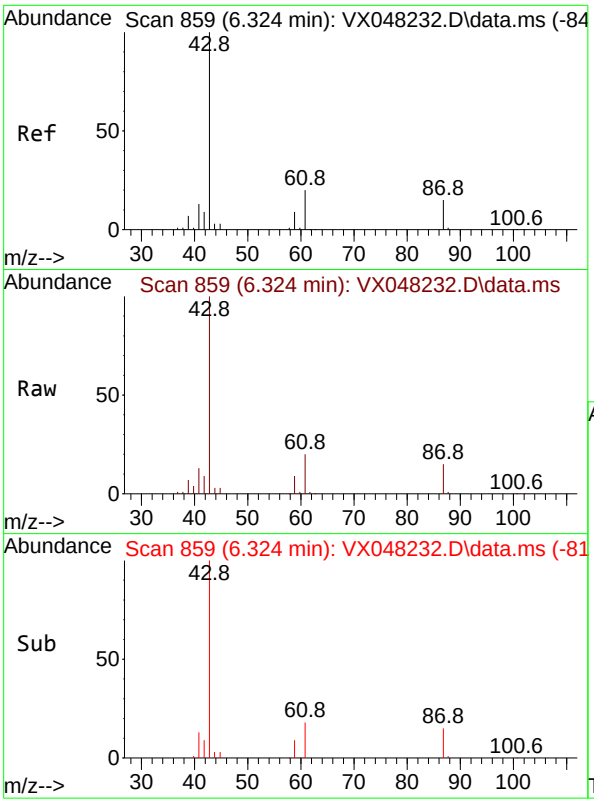


#42
1,2-Dichloroethane
Concen: 48.064 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 62 Resp: 100937

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.2

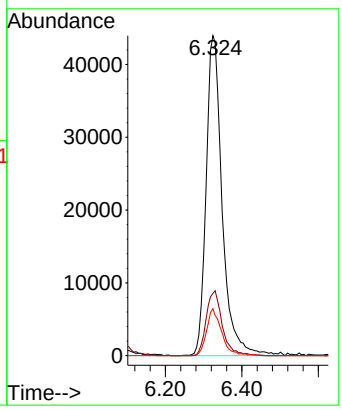




#43
Isopropyl Acetate
Concen: 48.444 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 12829

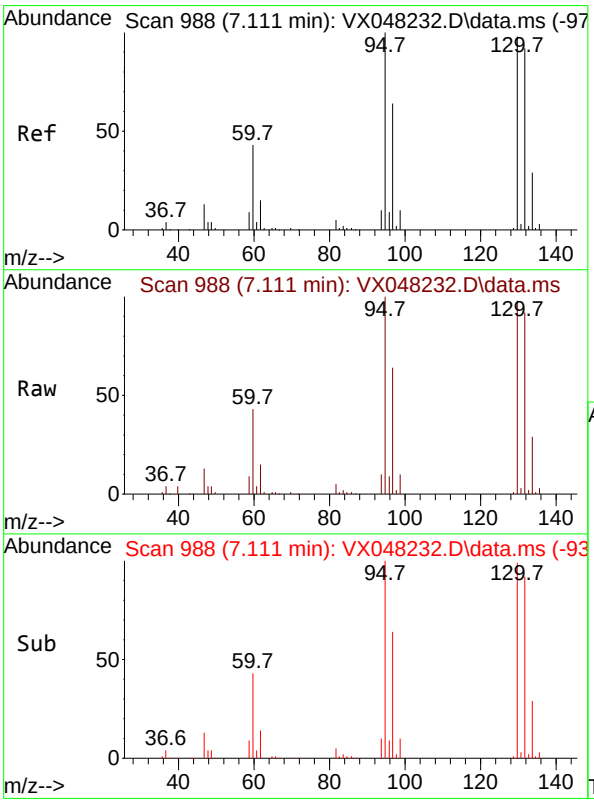
Ion	Ratio	Lower	Upper
43	100		
61	20.3	14.9	22.3
87	13.7	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

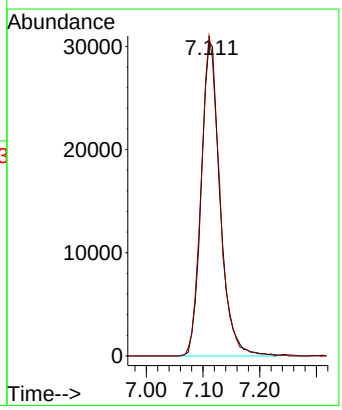
Reviewed By :John Carlone 10/21/2025
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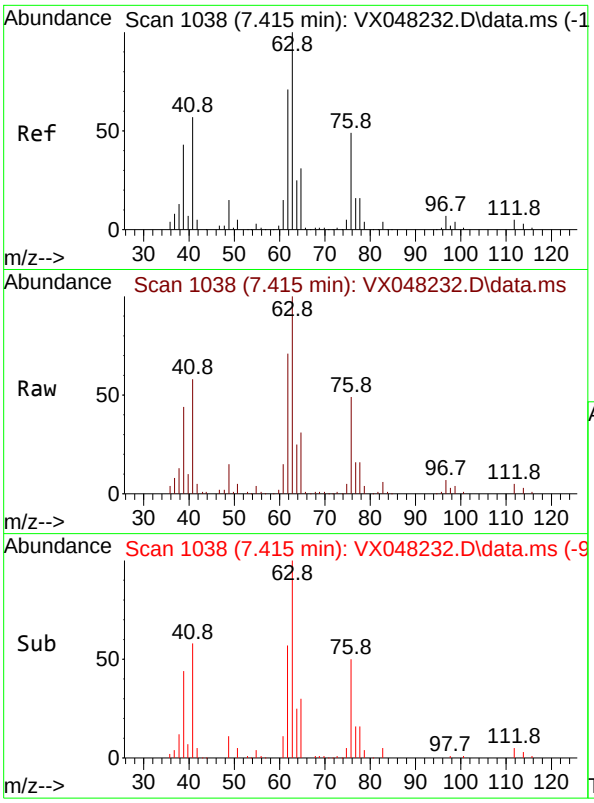


#44
Trichloroethene
Concen: 47.597 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:130 Resp: 70313

Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	200.6

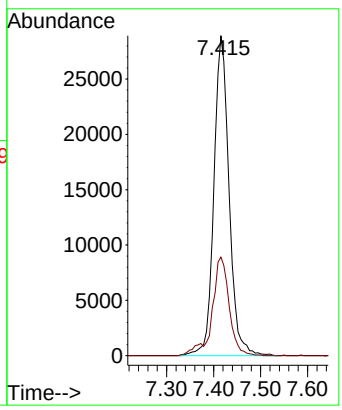




#45
1,2-Dichloropropane
Concen: 43.746 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 63 Resp: 6489

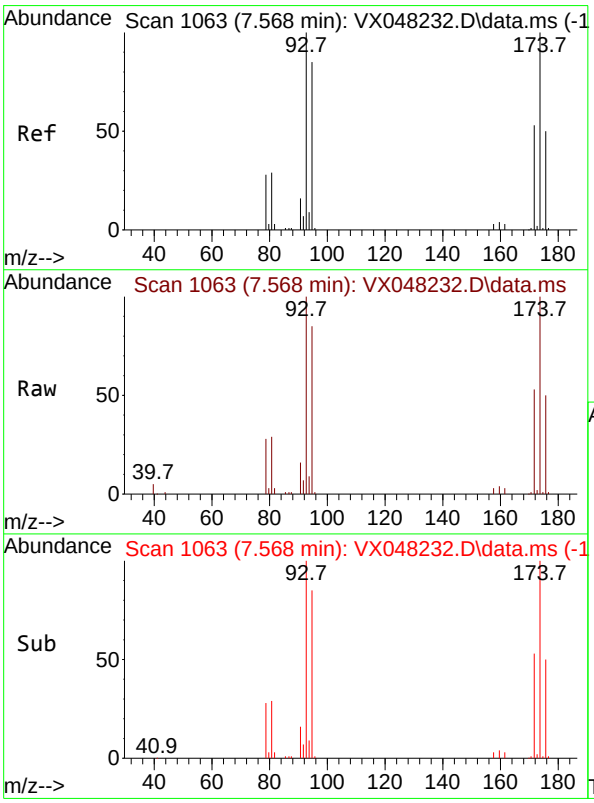
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

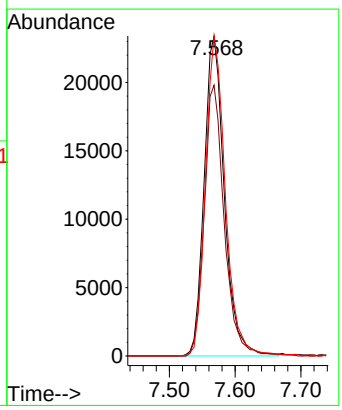
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

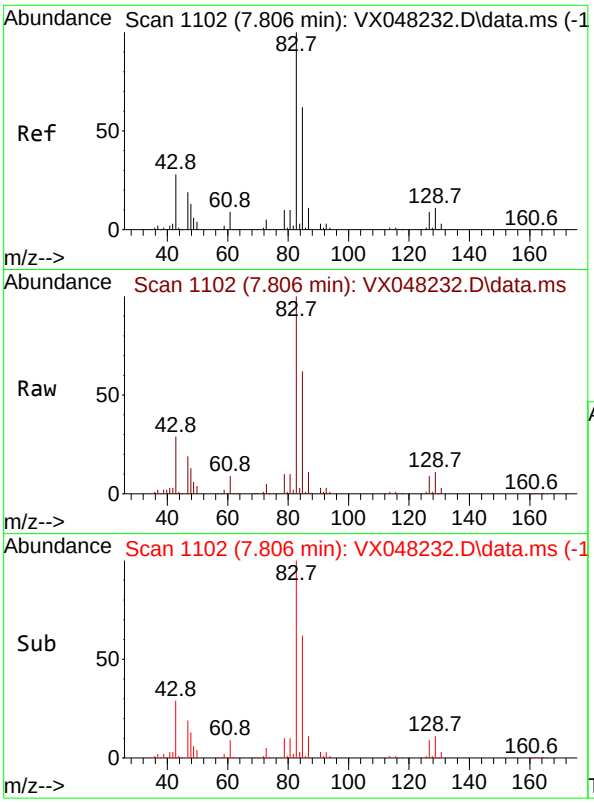


#46
Dibromomethane
Concen: 46.726 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 93 Resp: 49874

Ion	Ratio	Lower	Upper
93	100		
95	84.1	65.9	98.9
174	98.7	71.7	107.5

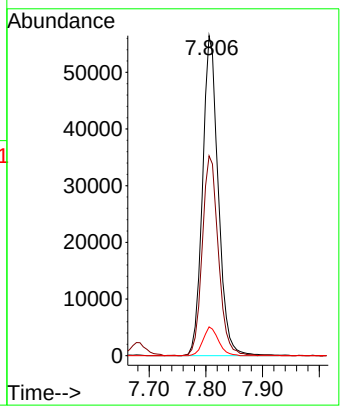




#47
Bromodichloromethane
Concen: 47.107 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 83 Resp: 10867

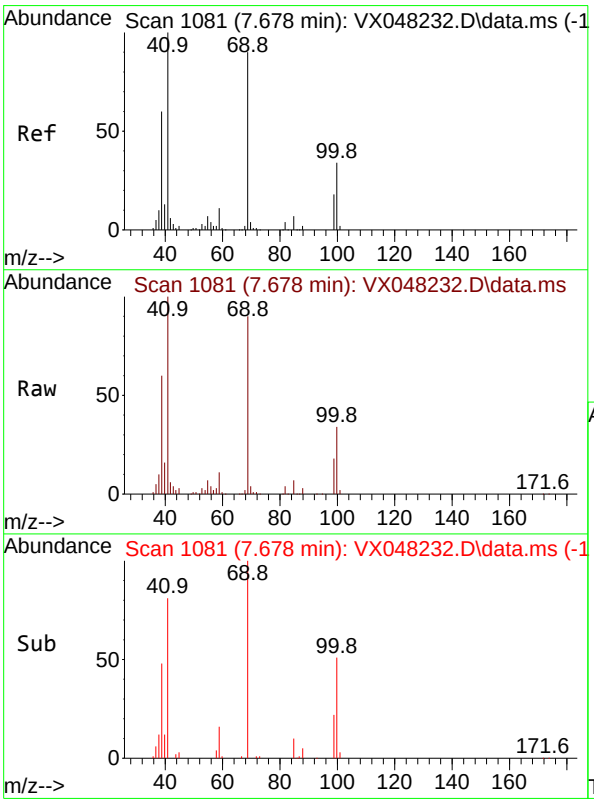
Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.2	78.4
127	9.0	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

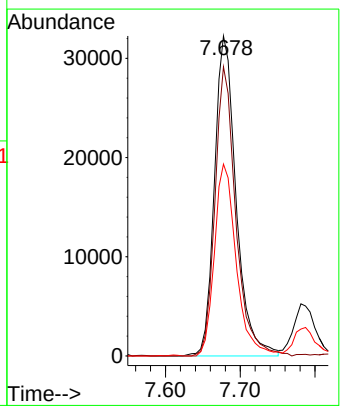
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

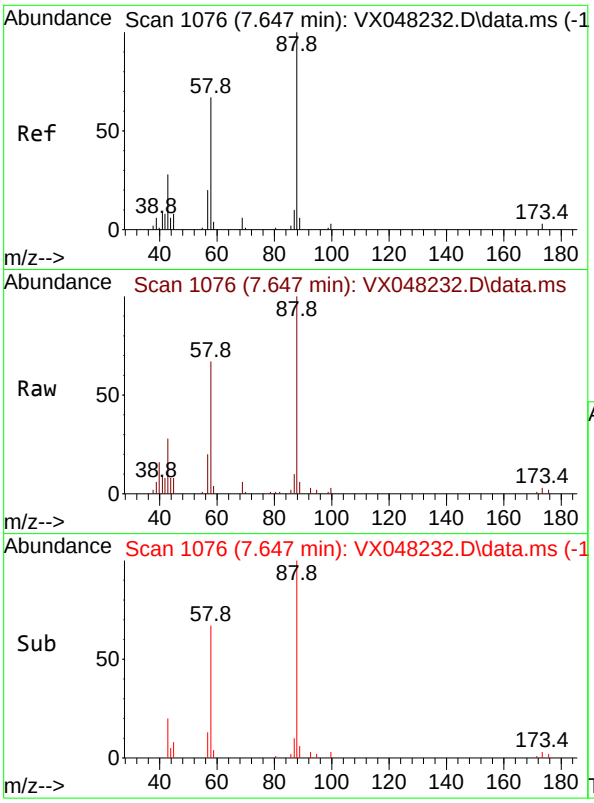


#48
Methyl methacrylate
Concen: 47.990 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 41 Resp: 65057

Ion	Ratio	Lower	Upper
41	100		
69	86.8	63.4	95.0
39	60.5	47.1	70.7





#49
1,4-Dioxane
Concen: 1467.288 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

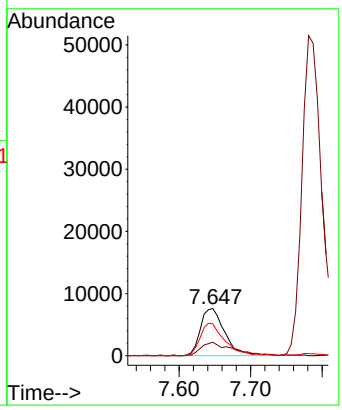
Tgt Ion: 88 Resp: 1790

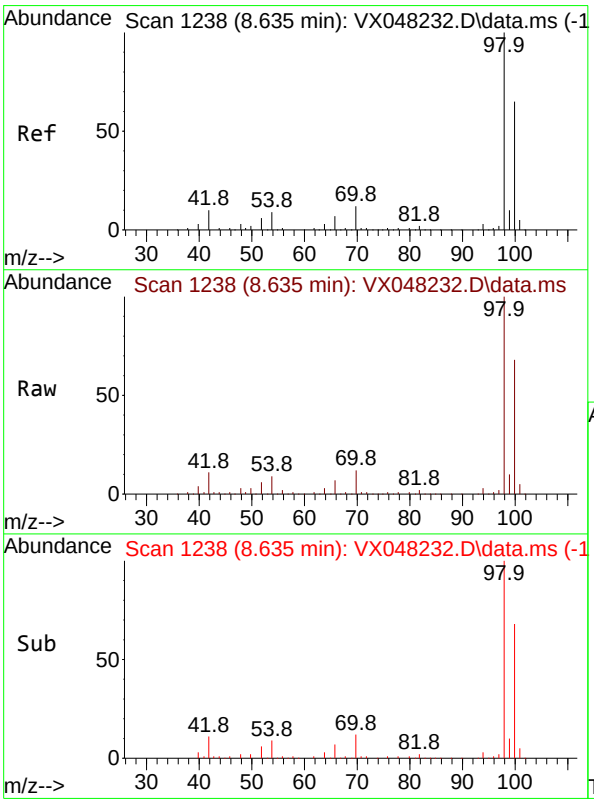
Ion	Ratio	Lower	Upper
88	100		
43	37.1	35.0	52.4
58	69.5	61.9	92.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

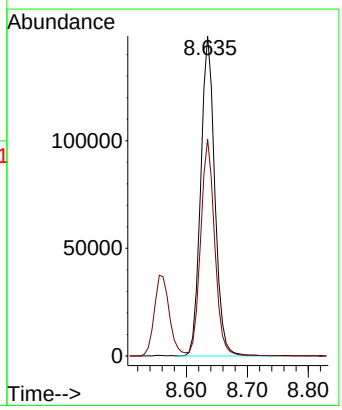


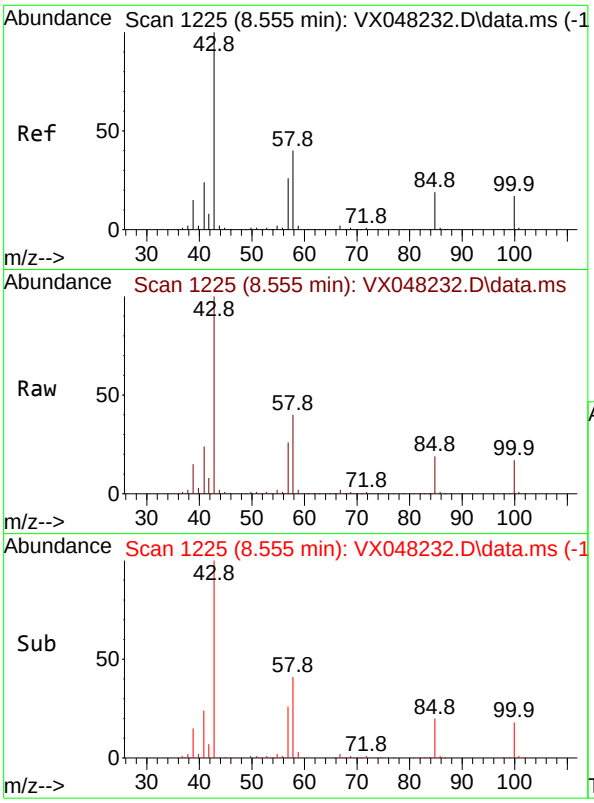


#50
Toluene-d8
Concen: 47.402 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 98 Resp: 239295

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 258.320 ug/l
RT: 8.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

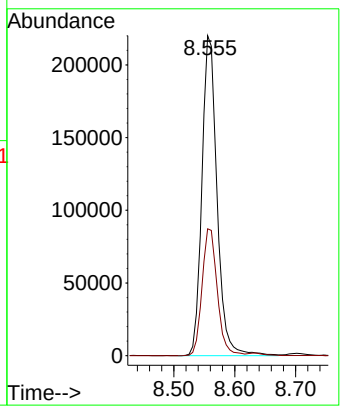
Tgt Ion: 43 Resp: 38066

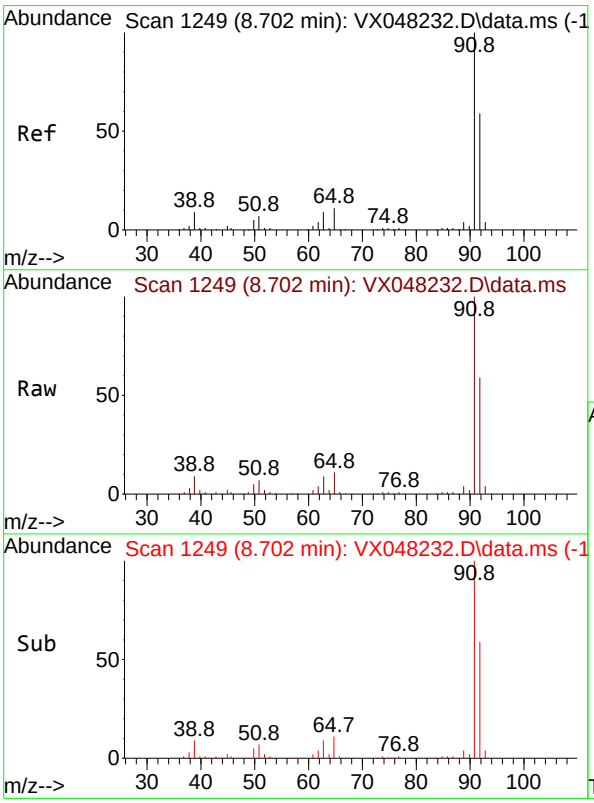
Ion	Ratio	Lower	Upper
43	100		
58	39.8	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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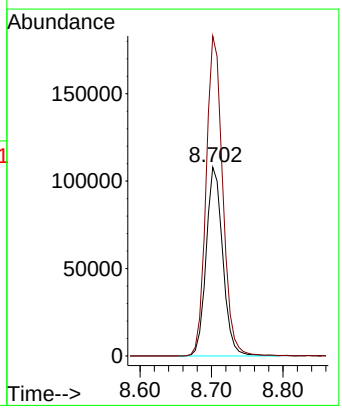


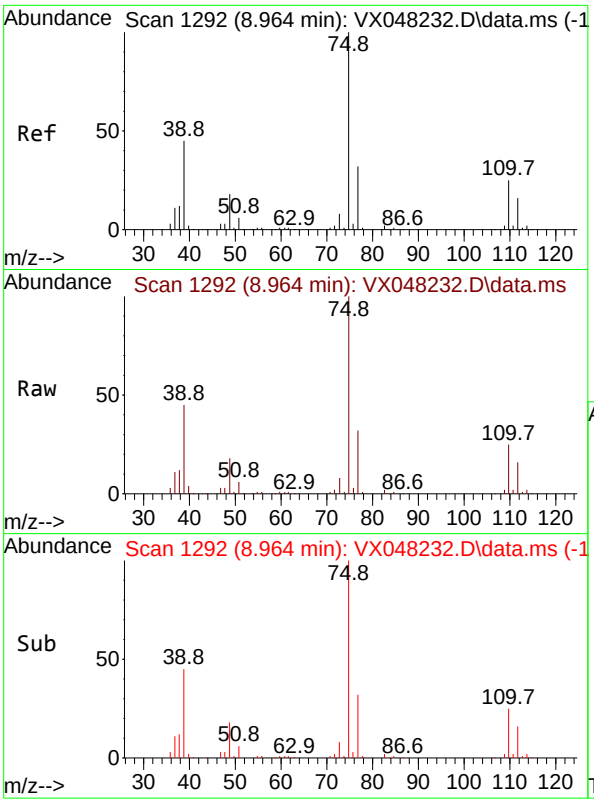


#52
Toluene
Concen: 49.373 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 92 Resp: 173942

Ion	Ratio	Lower	Upper
92	100		
91	169.6	136.1	204.1

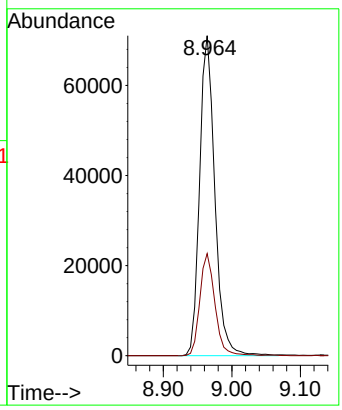




#53
t-1,3-Dichloropropene
Concen: 50.880 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 10996

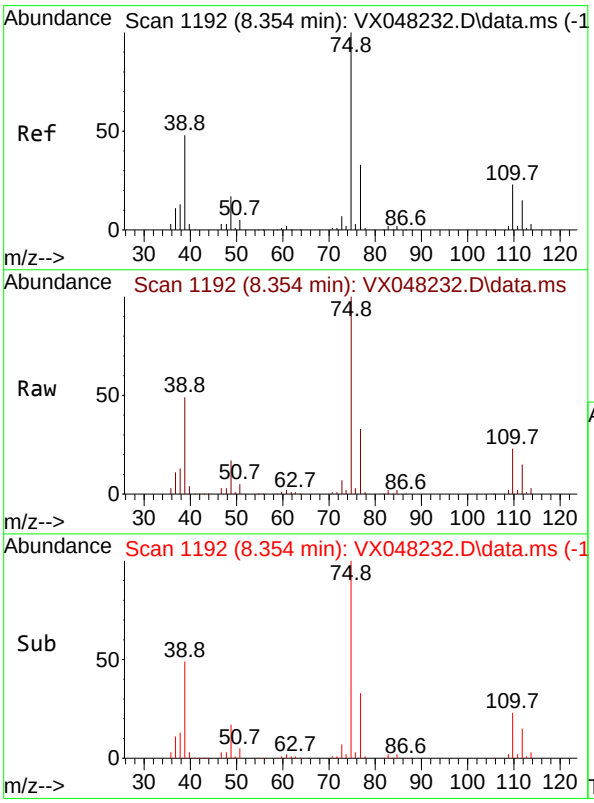
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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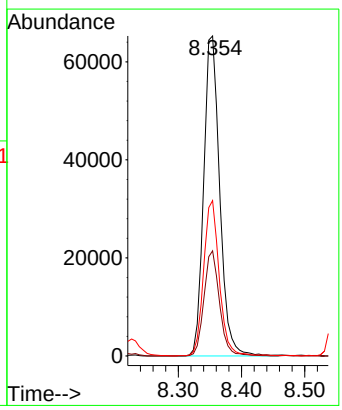
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

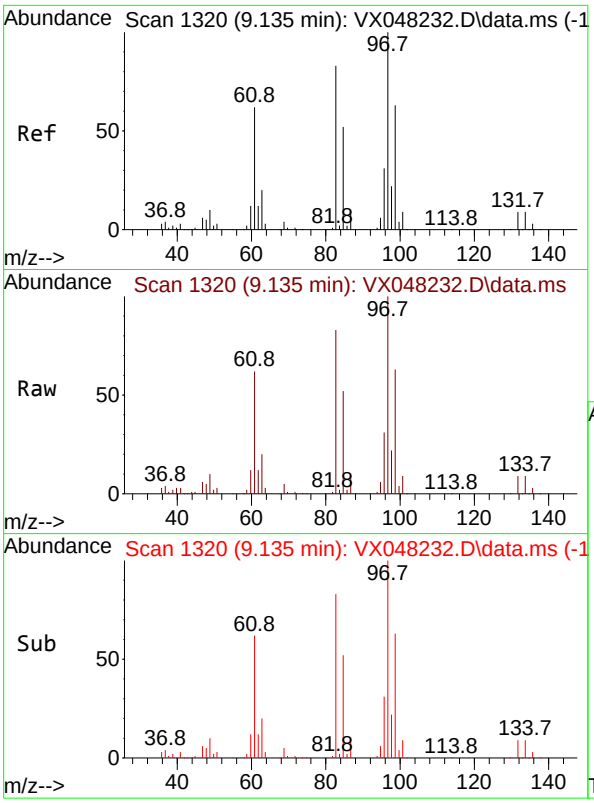


#54
cis-1,3-Dichloropropene
Concen: 49.046 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 115534

Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.9	37.3
39	46.7	42.6	64.0

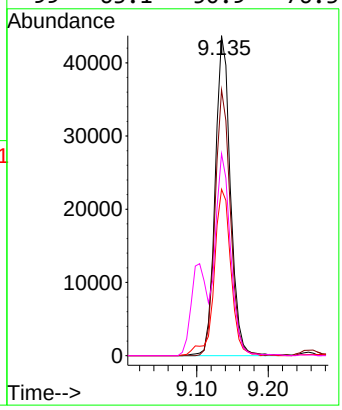




#55
1,1,2-Trichloroethane
Concen: 49.248 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 97 Resp: 6473

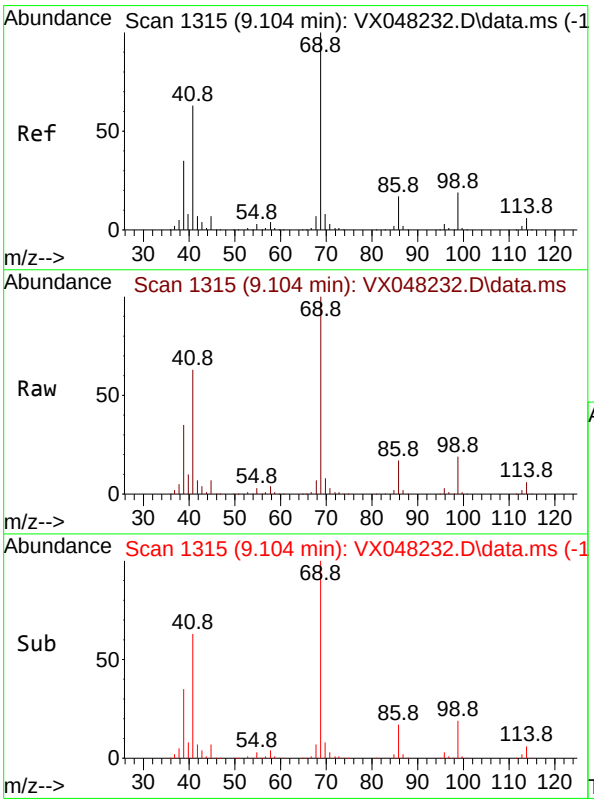
Ion	Ratio	Lower	Upper
97	100		
83	83.0	70.6	105.8
85	52.0	45.0	67.6
99	63.1	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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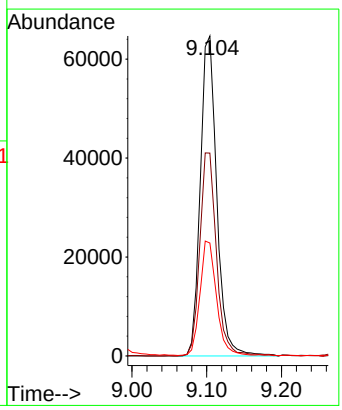
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

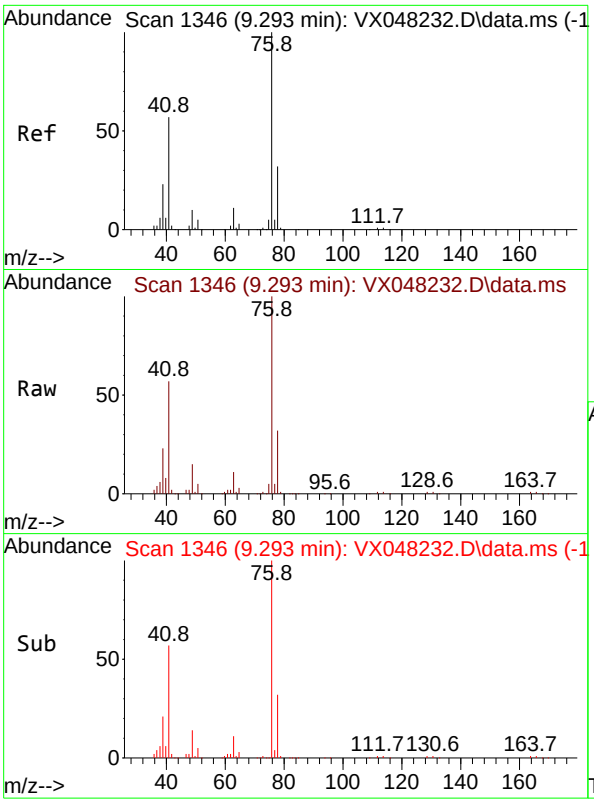


#56
Ethyl methacrylate
Concen: 55.290 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 69 Resp: 98851

Ion	Ratio	Lower	Upper
69	100		
41	64.4	56.0	84.0
39	35.9	31.6	47.4





#57
1,3-Dichloropropane
Concen: 48.206 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

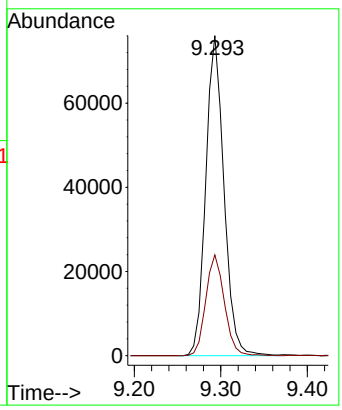
Tgt Ion: 76 Resp: 11070

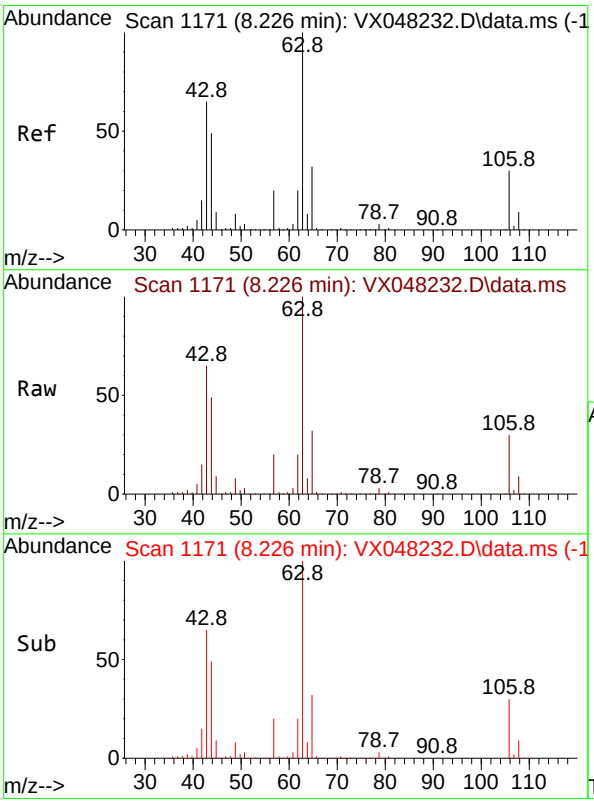
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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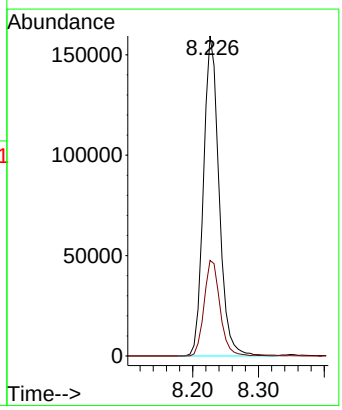


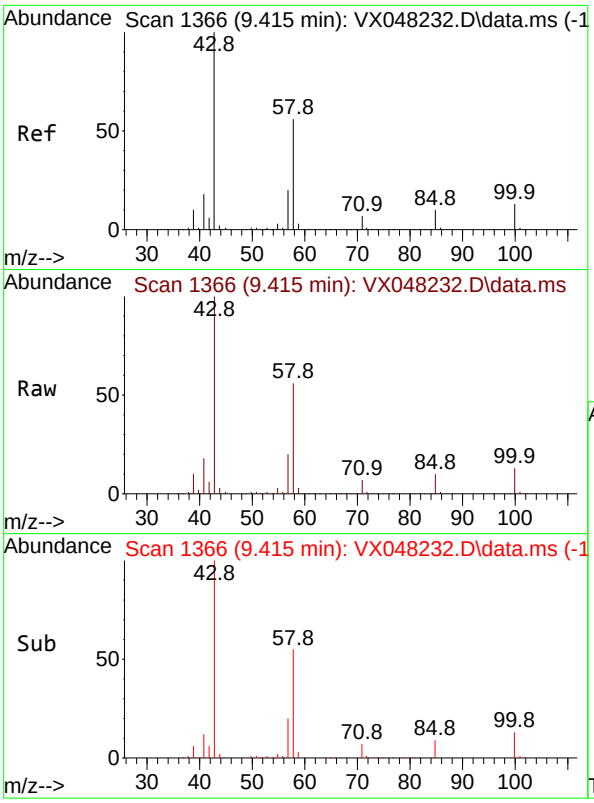


#58
2-Chloroethyl Vinyl ether
Concen: 285.817 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 63 Resp: 262387

Ion	Ratio	Lower	Upper
63	100		
106	30.6	22.2	33.2





#59
2-Hexanone
Concen: 261.113 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

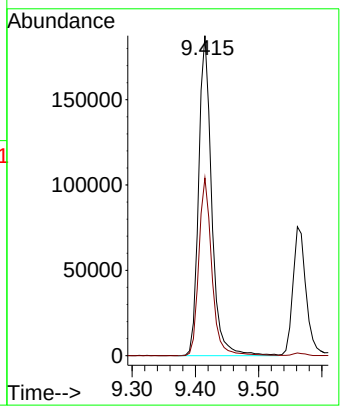
Tgt Ion: 43 Resp: 26914

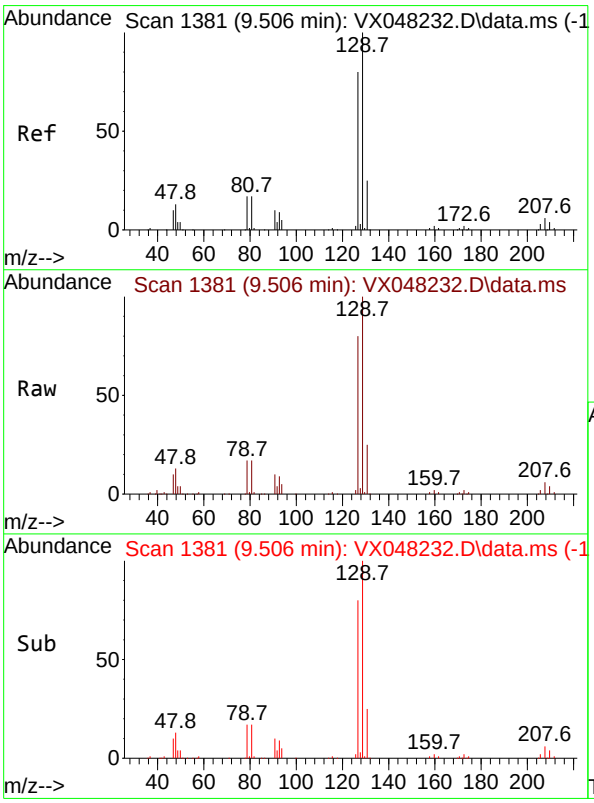
Ion	Ratio	Lower	Upper
43	100		
58	55.6	26.3	78.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

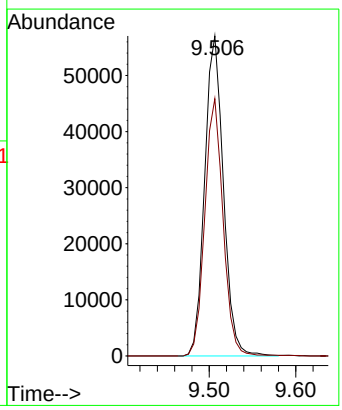


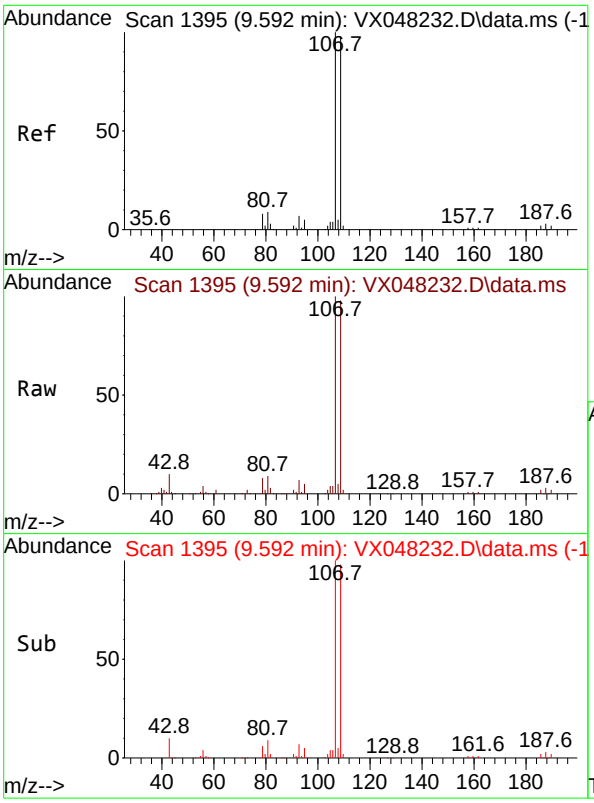


#60
Dibromochloromethane
Concen: 52.123 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:129 Resp: 85760

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	115.7

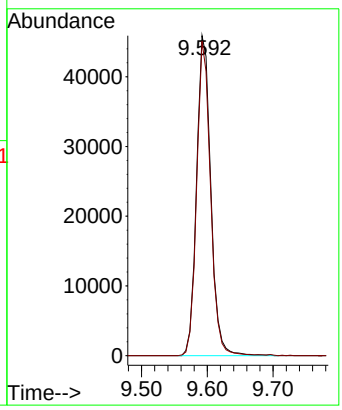




#61
1,2-Dibromoethane
Concen: 51.208 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:107 Resp: 6902

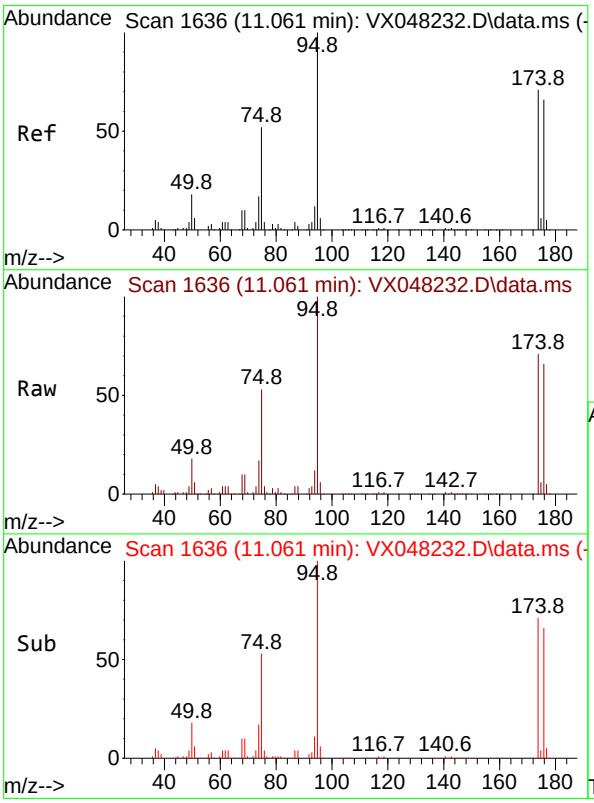
Ion	Ratio	Lower	Upper
107	100		
109	95.5	77.0	115.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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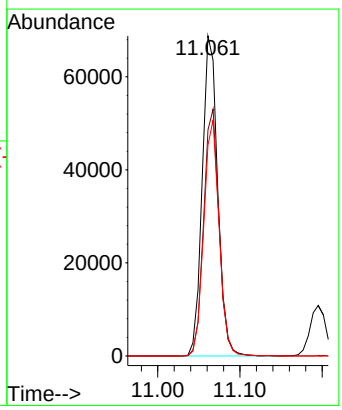
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

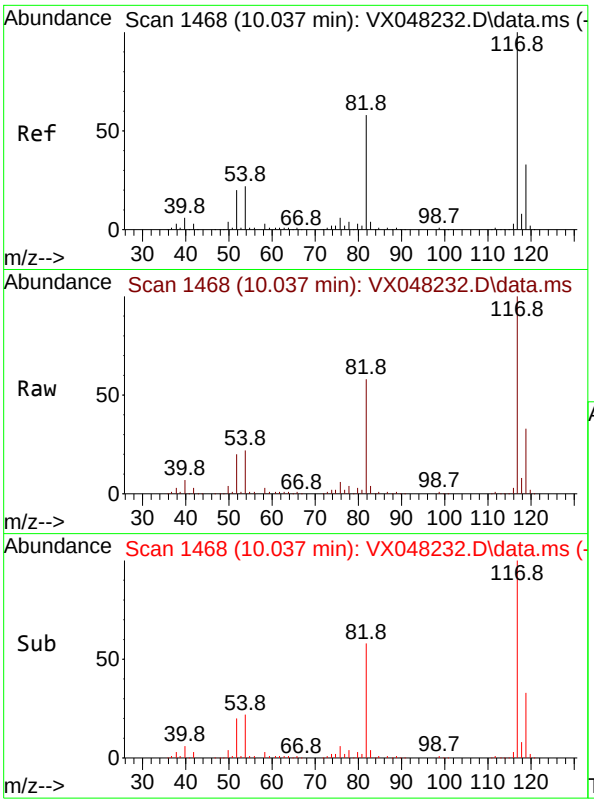


#62
4-Bromofluorobenzene
Concen: 48.719 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 95 Resp: 89579

Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	147.8
176	73.3	0.0	142.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

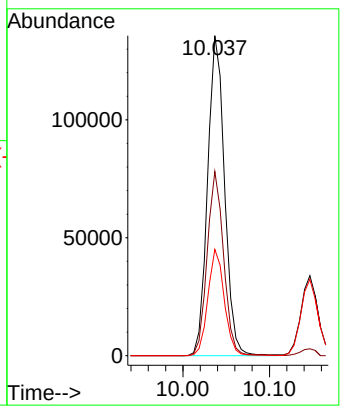
Tgt Ion:117 Resp: 18449

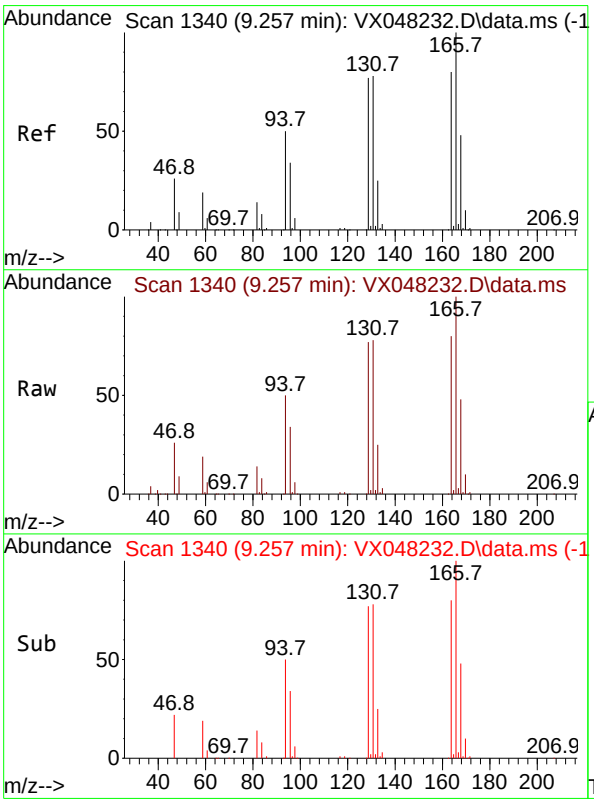
Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.5	69.7
119	33.2	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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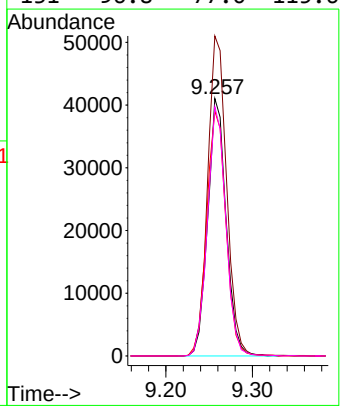


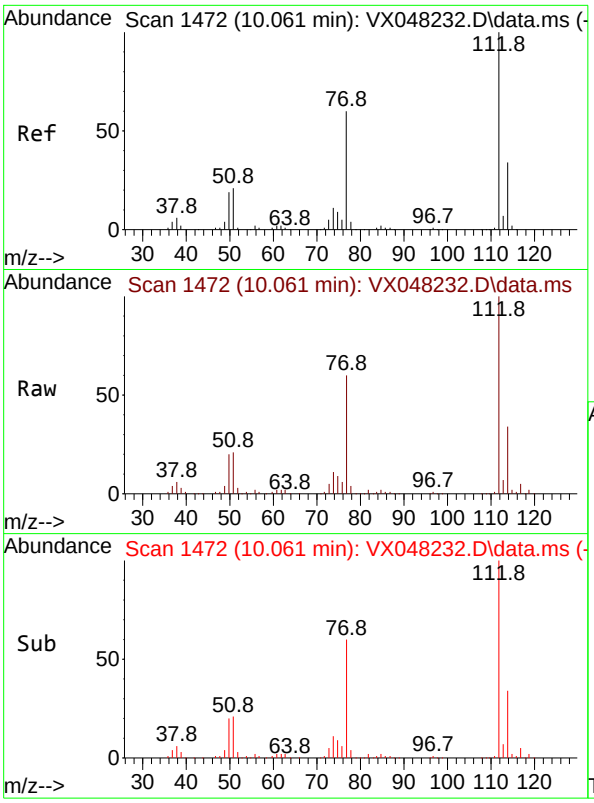


#64
Tetrachloroethene
Concen: 46.776 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:164 Resp: 60510

Ion	Ratio	Lower	Upper
164	100		
166	124.3	104.5	156.7
129	95.1	81.8	122.6
131	96.8	77.0	115.6

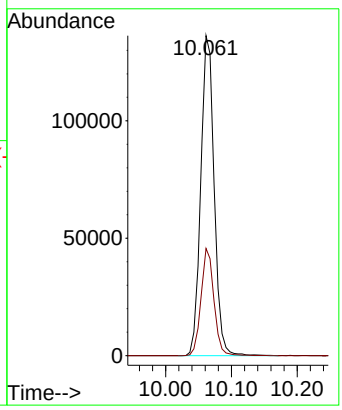




#65
Chlorobenzene
Concen: 47.805 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:112 Resp: 19284

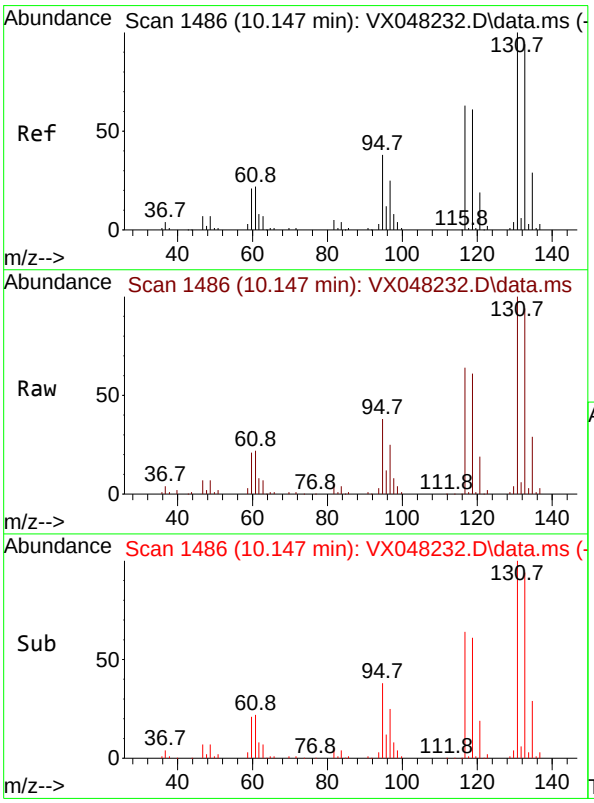
Ion	Ratio	Lower	Upper
112	100		
114	33.5	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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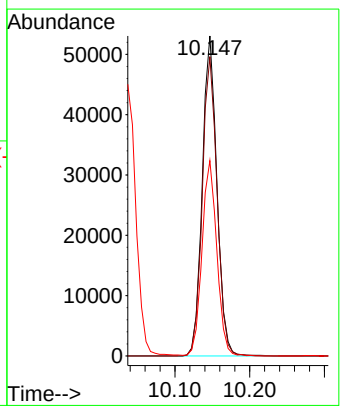
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

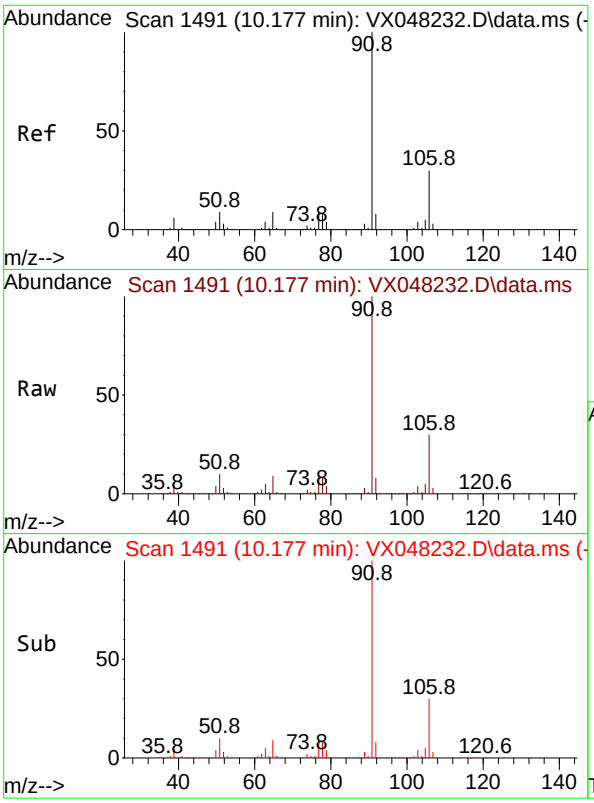


#66
1,1,1,2-Tetrachloroethane
Concen: 49.482 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:131 Resp: 71930

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.6	142.8
119	62.0	32.5	97.5





#67
Ethyl Benzene
Concen: 48.680 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

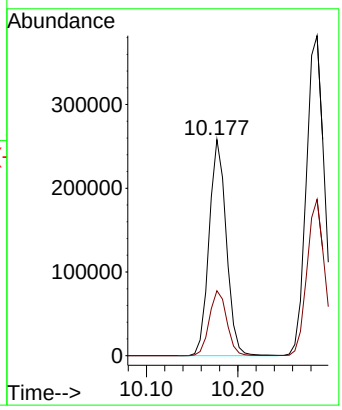
Tgt Ion: 91 Resp: 33666

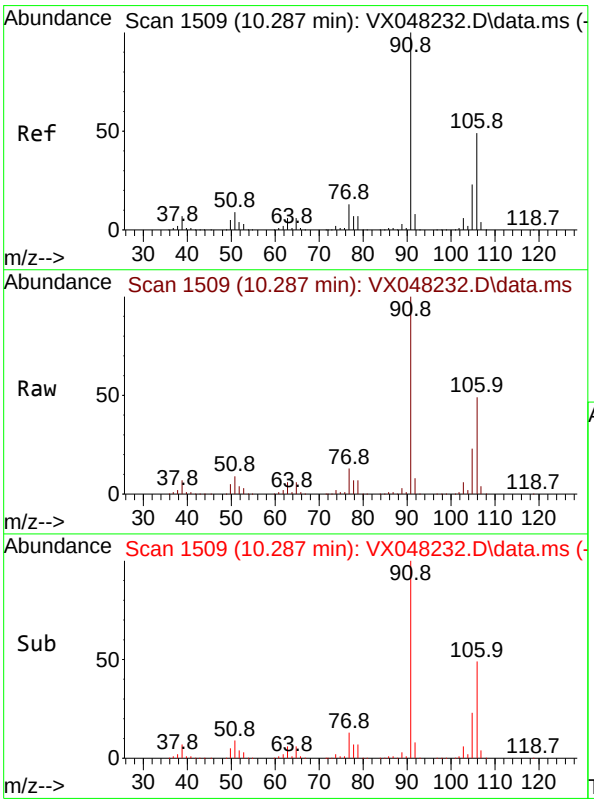
Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

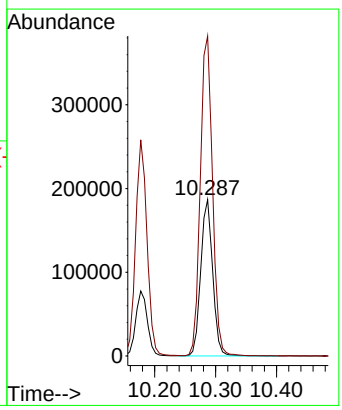


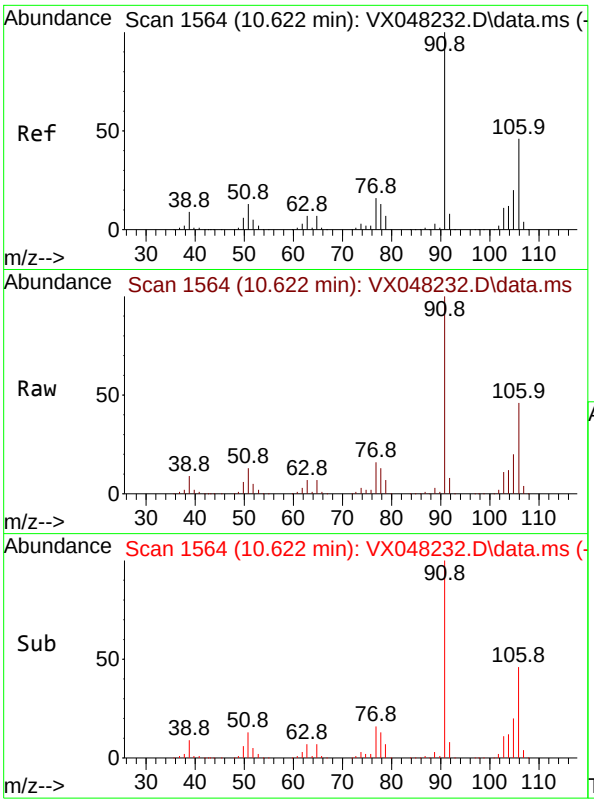


#68
m/p-Xylenes
Concen: 98.455 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:106 Resp: 253662

Ion	Ratio	Lower	Upper
106	100		
91	209.1	167.9	251.9

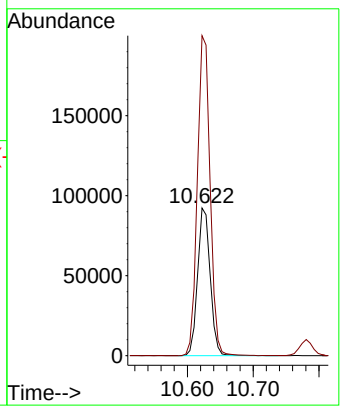




#69
o-Xylene
Concen: 50.542 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:106 Resp: 12258

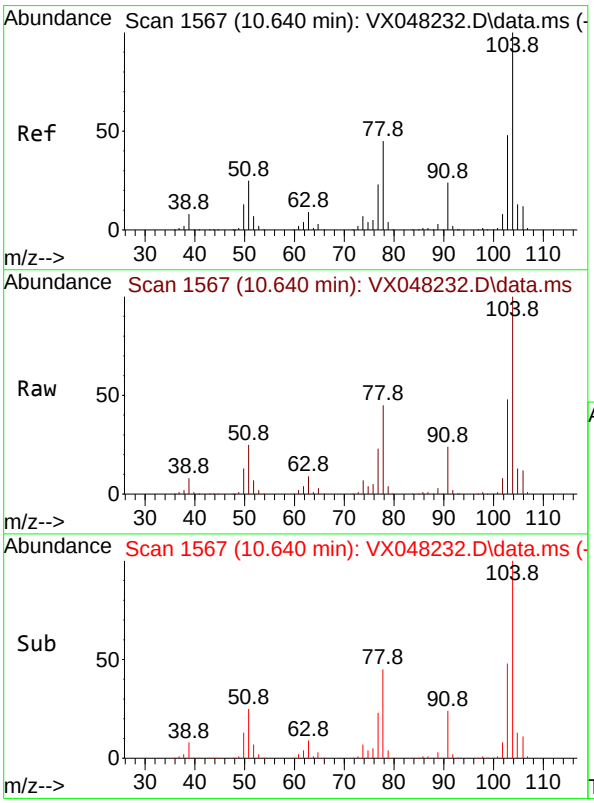
Ion	Ratio	Lower	Upper
106	100		
91	219.2	111.3	333.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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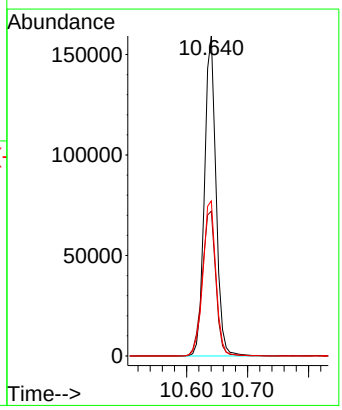
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

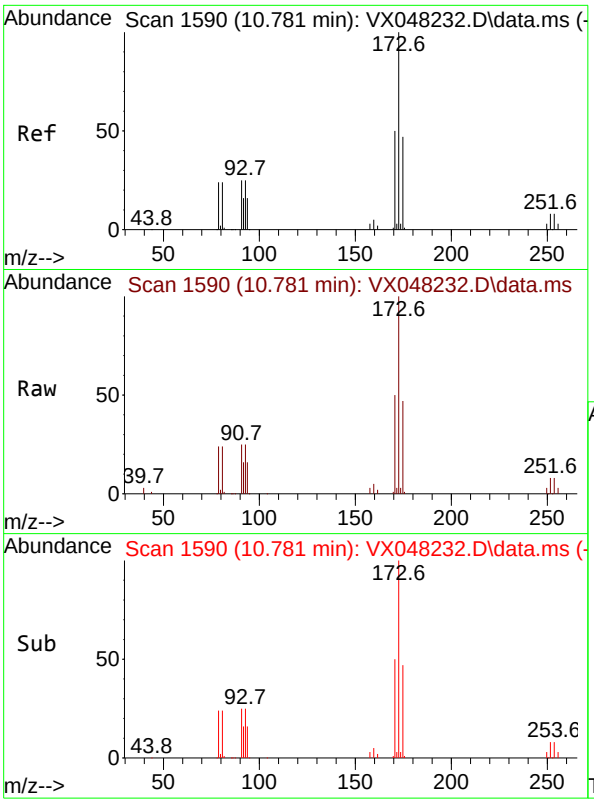


#70
Styrene
Concen: 50.508 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:104 Resp: 210861

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	54.4	43.0	64.4





#71
Bromoform
Concen: 53.279 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

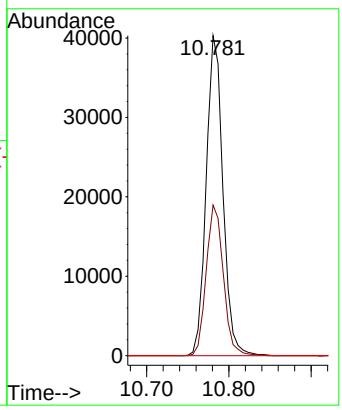
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

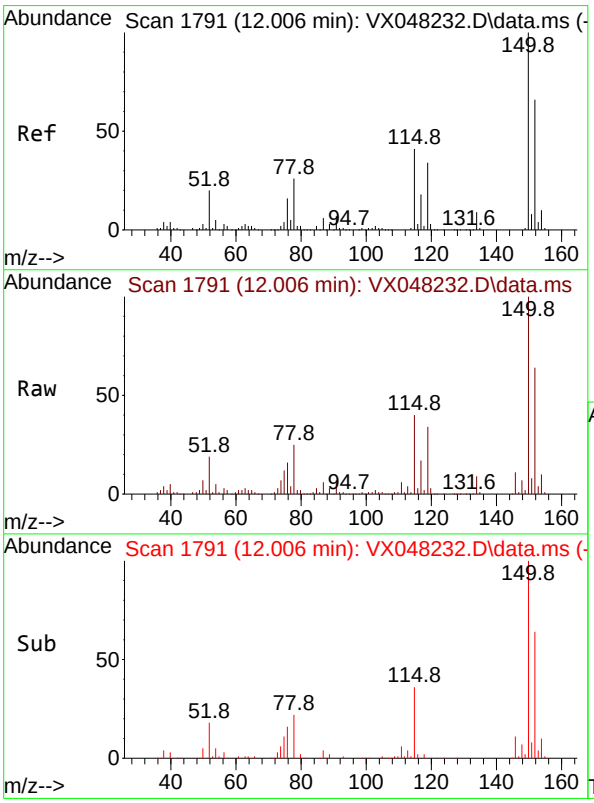
Tgt Ion:173 Resp: 5687

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

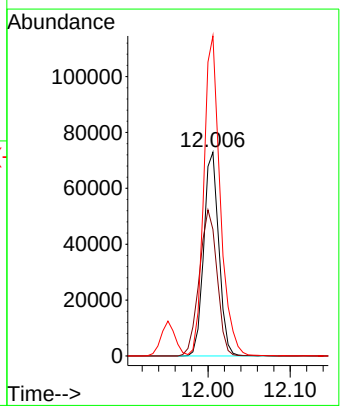


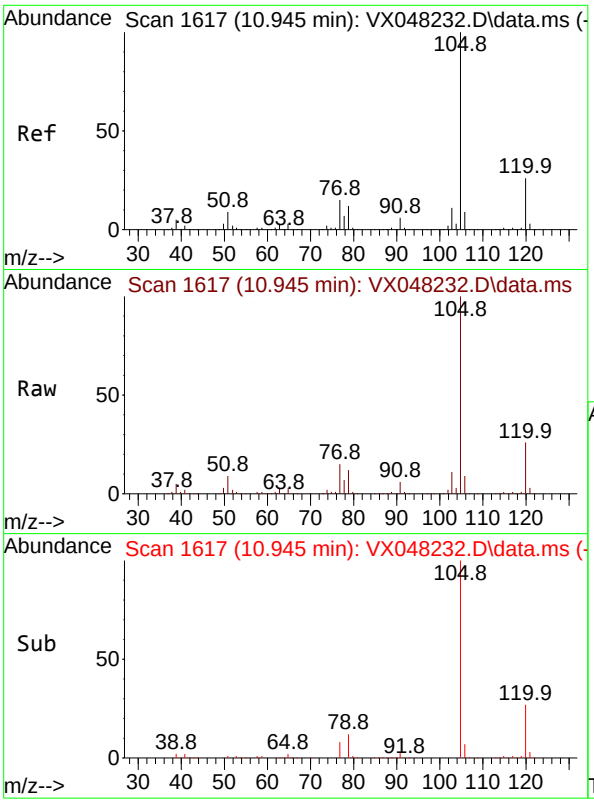


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:152 Resp: 92693

Ion	Ratio	Lower	Upper
152	100		
115	84.9	43.1	129.4
150	171.1	0.0	353.0

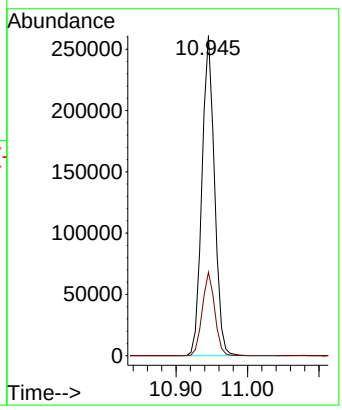




#73
Isopropylbenzene
Concen: 49.321 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:105 Resp: 31797

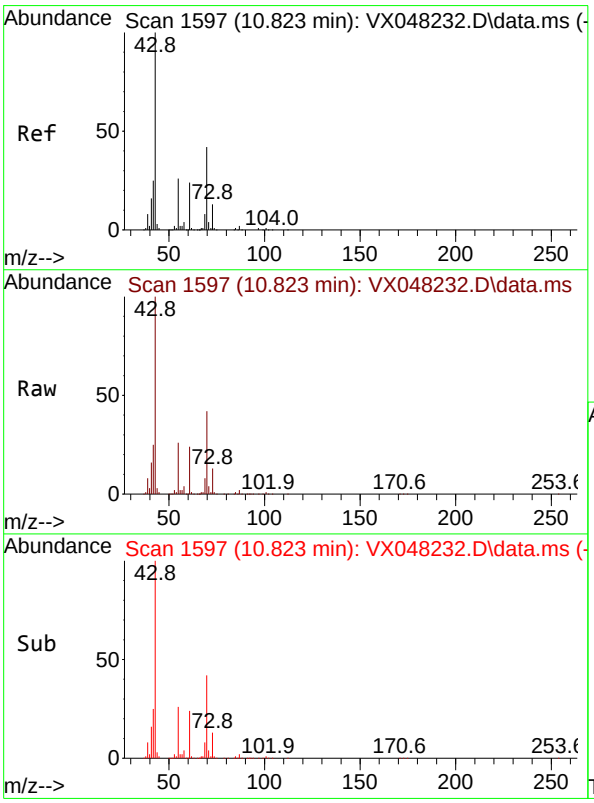
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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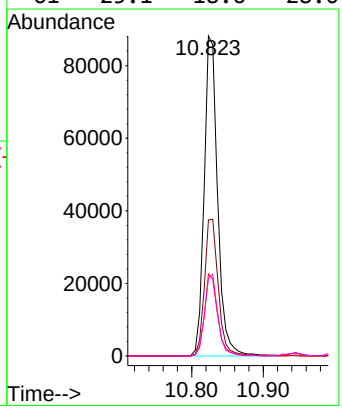
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

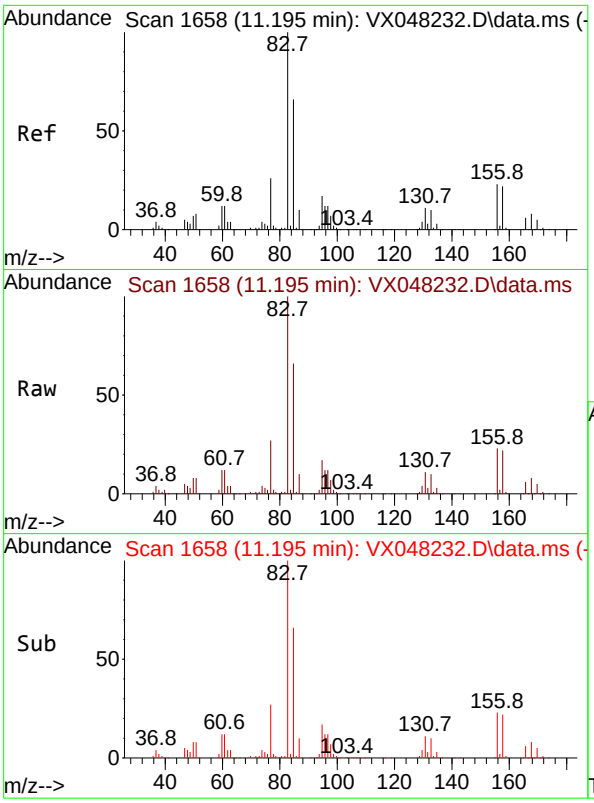


#74
N-amyl acetate
Concen: 48.098 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 43 Resp: 115683

Ion	Ratio	Lower	Upper
43	100		
70	43.8	32.2	48.2
55	25.1	19.1	28.7
61	25.1	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 48.020 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

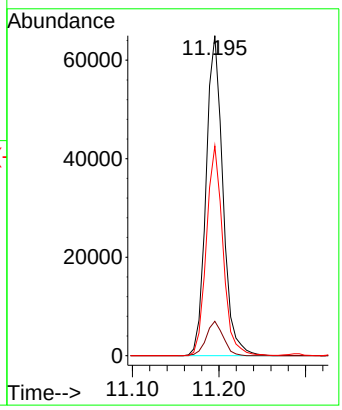
Tgt Ion: 83 Resp: 8770

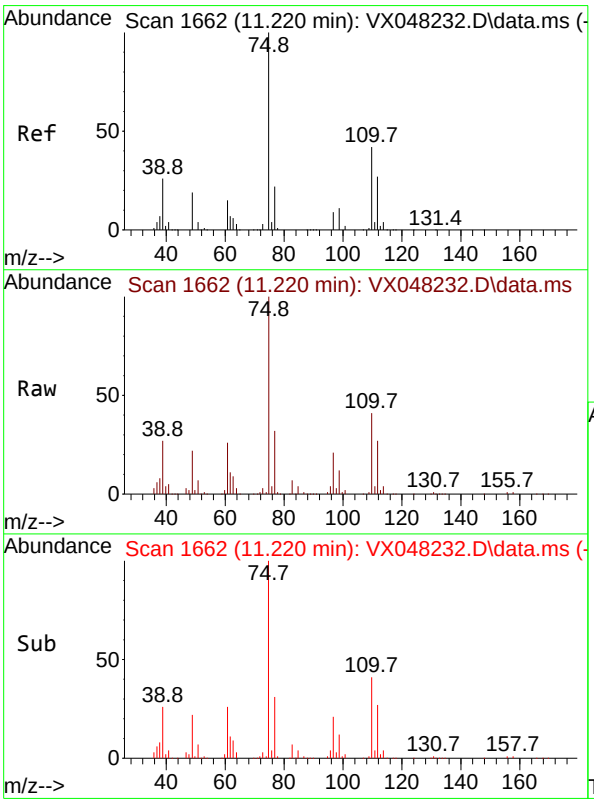
Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.8	14.4
85	64.5	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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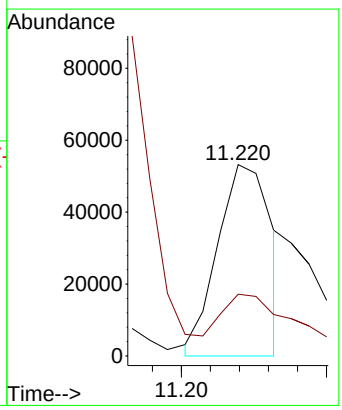


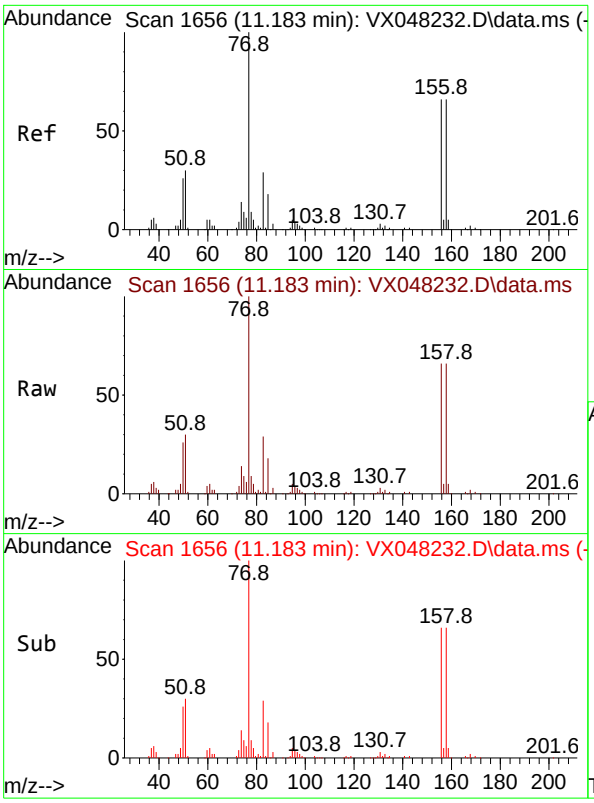


#76
1,2,3-Trichloropropane
Concen: 48.115 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 68104

Ion	Ratio	Lower	Upper
75	100		
77	45.1	22.4	67.2





#77
Bromobenzene
Concen: 49.303 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

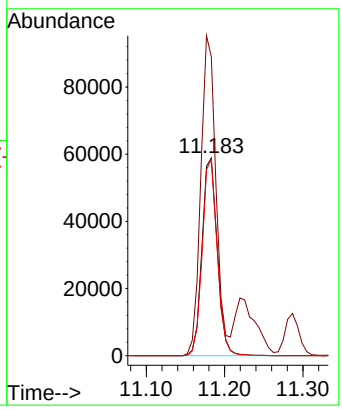
Tgt Ion:156 Resp: 7954

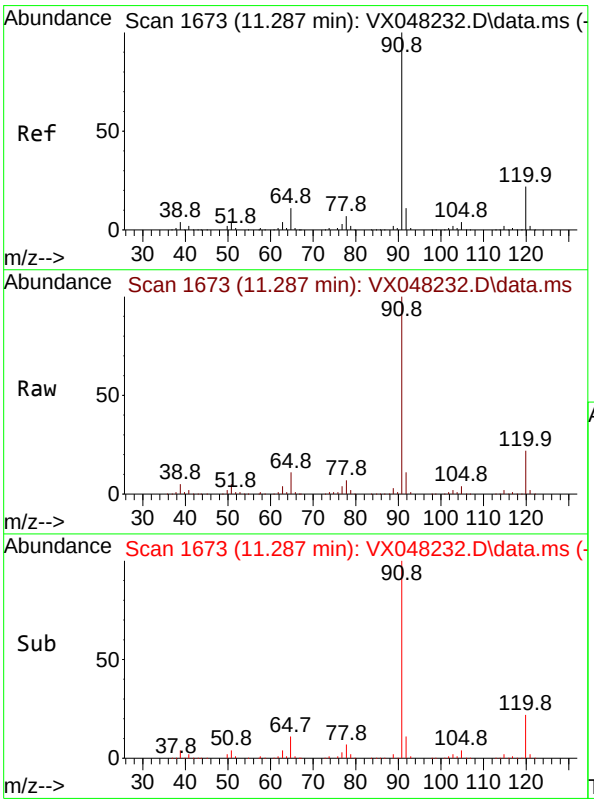
Ion	Ratio	Lower	Upper
156	100		
77	161.6	87.0	261.0
158	97.3	47.8	143.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
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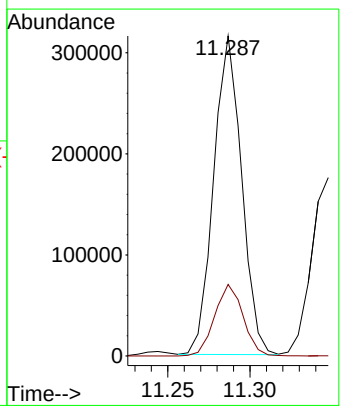


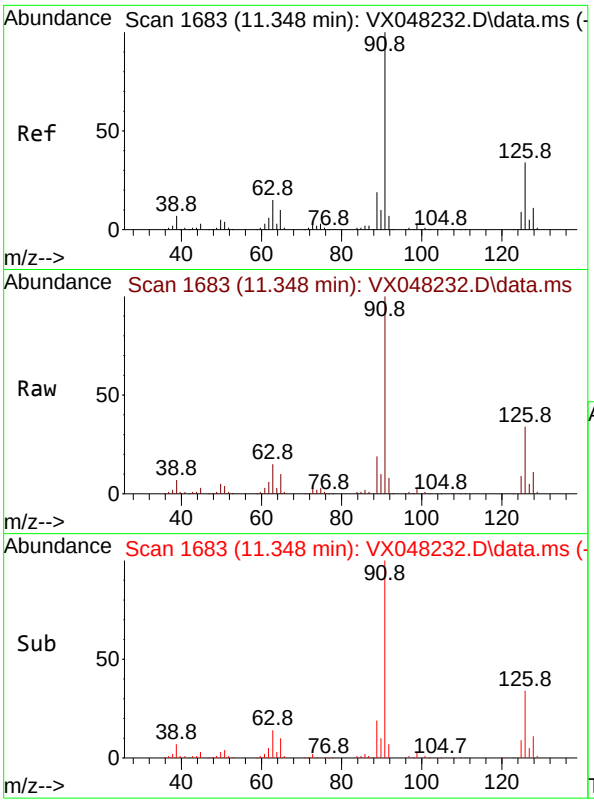


#78
n-propylbenzene
Concen: 47.621 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 91 Resp: 372312

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.1	33.1





#79
2-Chlorotoluene
Concen: 47.045 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

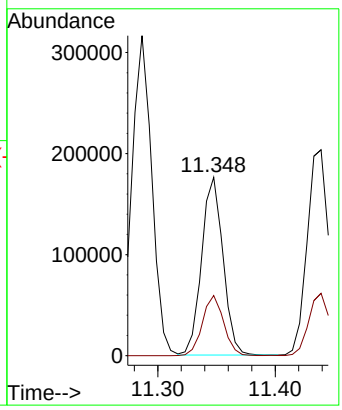
Tgt Ion: 91 Resp: 22221

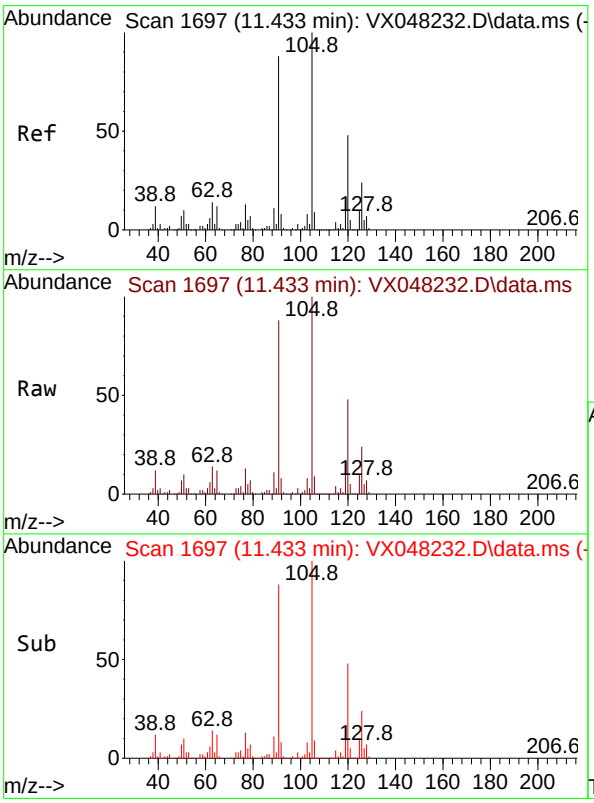
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
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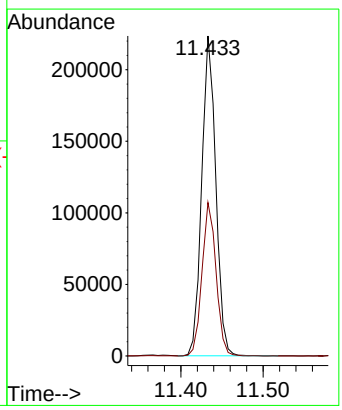


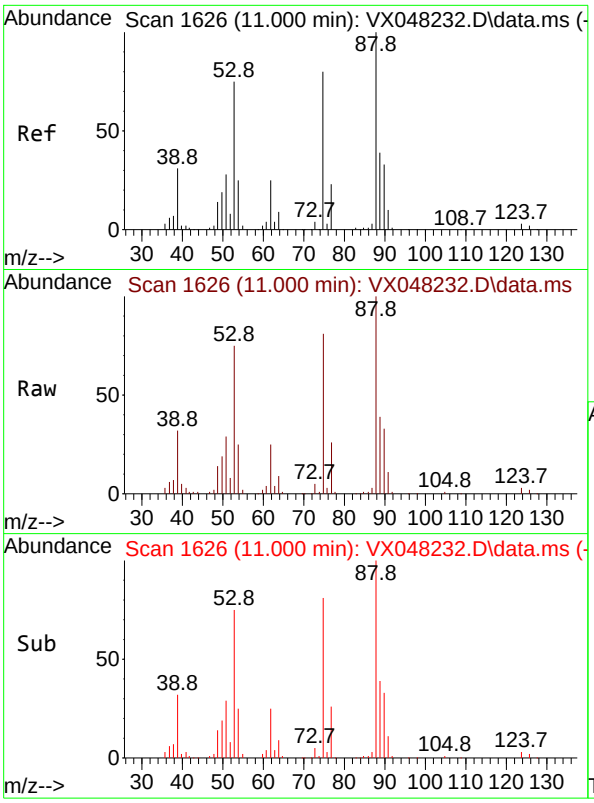


#80
1,3,5-Trimethylbenzene
Concen: 50.108 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:105 Resp: 265174

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 50.678 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

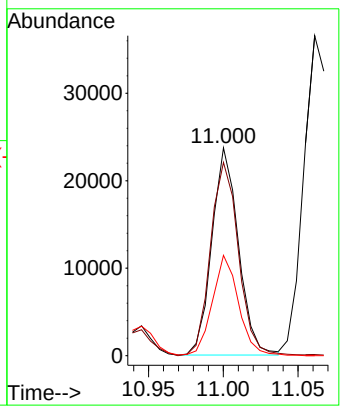
Tgt Ion: 75 Resp: 2929

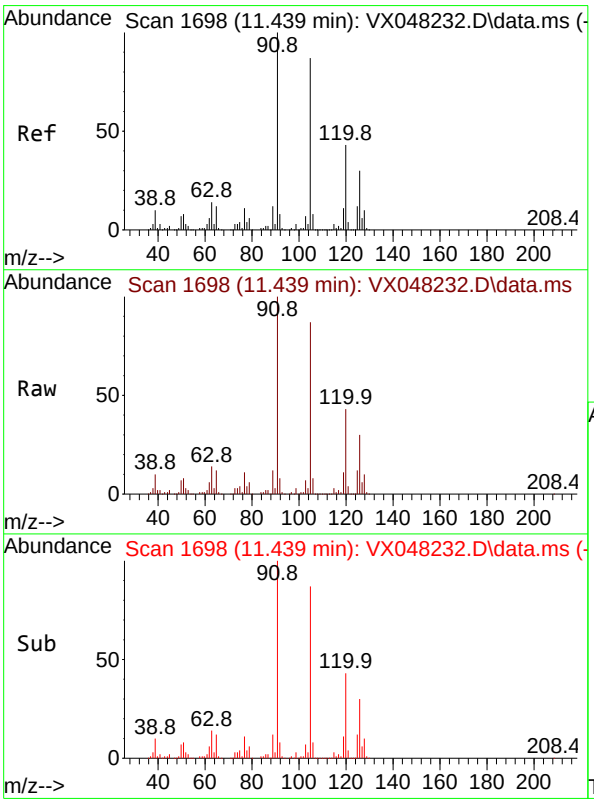
Ion	Ratio	Lower	Upper
75	100		
53	98.5	79.5	119.3
89	48.0	36.8	55.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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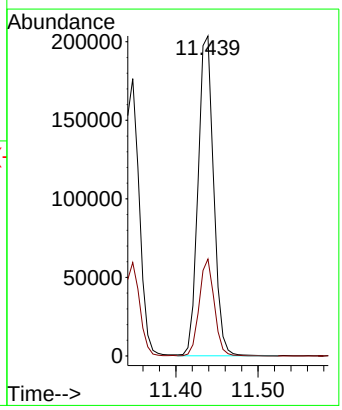


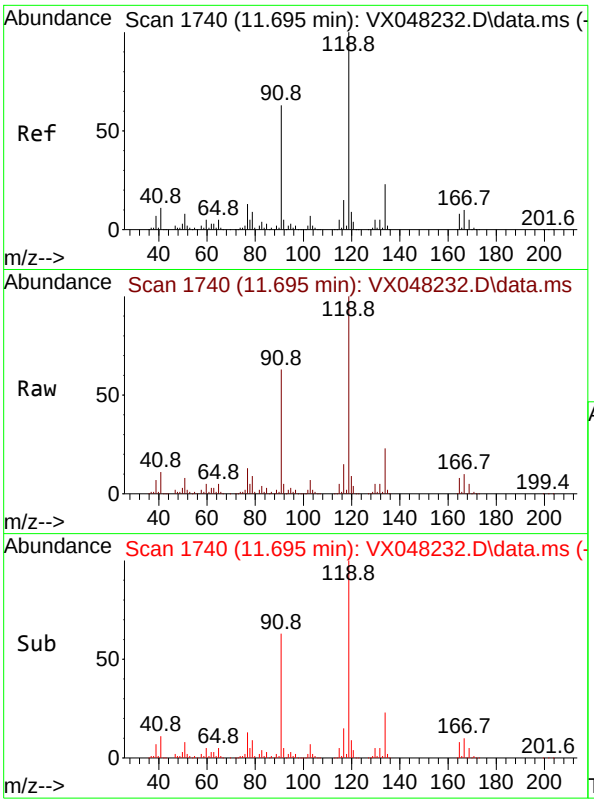


#82
4-Chlorotoluene
Concen: 48.142 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 91 Resp: 267236

Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.1	42.4





#83
tert-Butylbenzene
Concen: 50.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

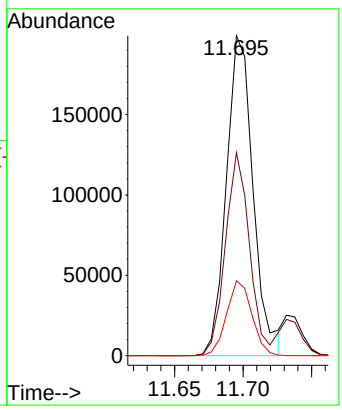
Tgt Ion:119 Resp: 27020

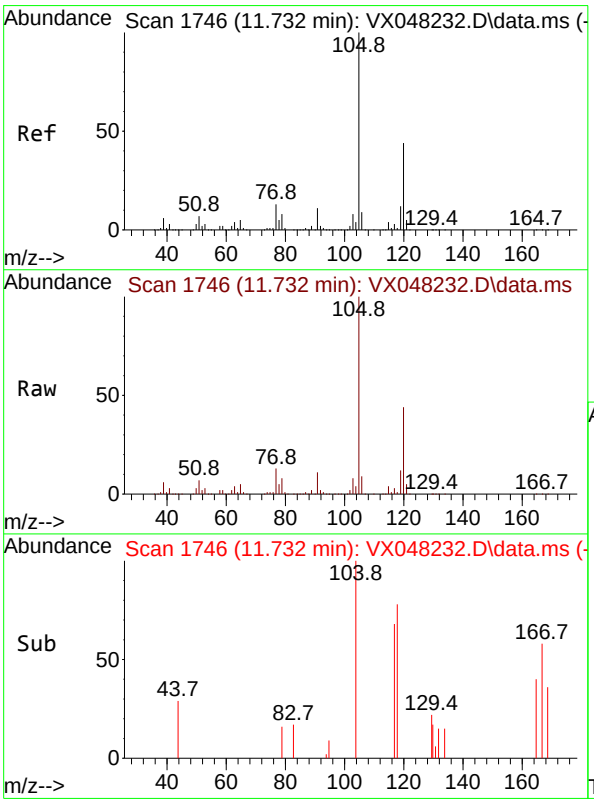
Ion	Ratio	Lower	Upper
119	100		
91	57.2	30.3	91.0
134	22.2	11.4	34.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

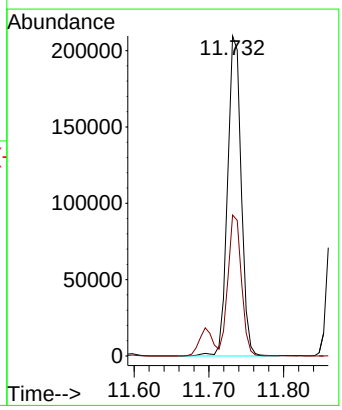


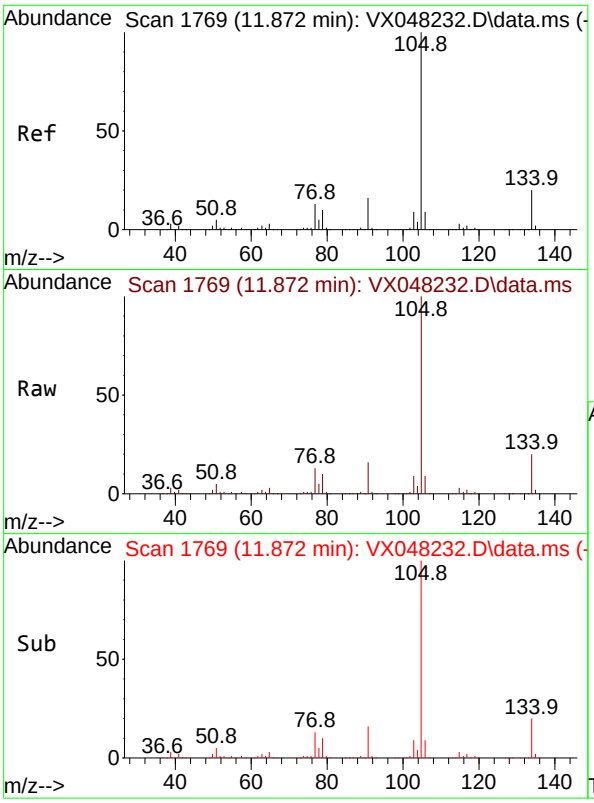


#84
1,2,4-Trimethylbenzene
Concen: 50.381 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:105 Resp: 265485

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.5

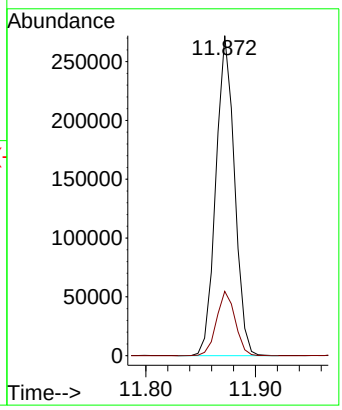




#85
sec-Butylbenzene
Concen: 49.298 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:105 Resp: 32221

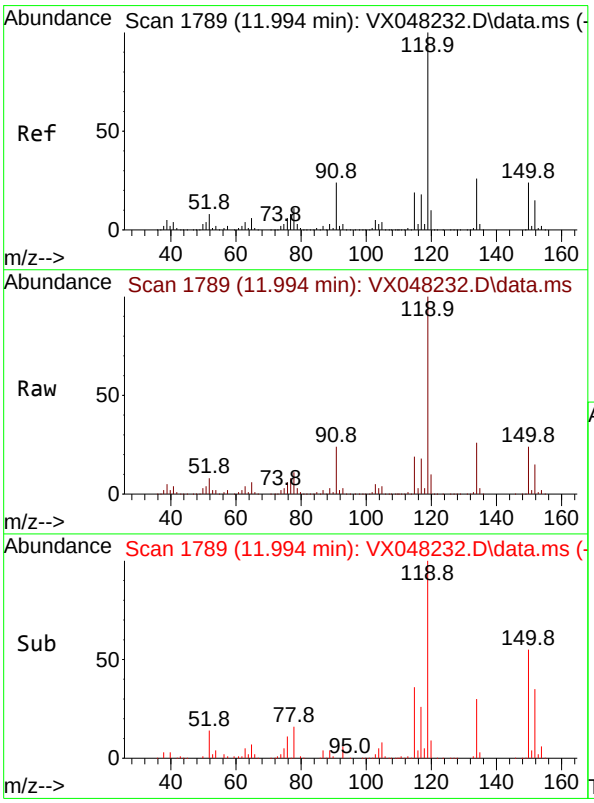
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

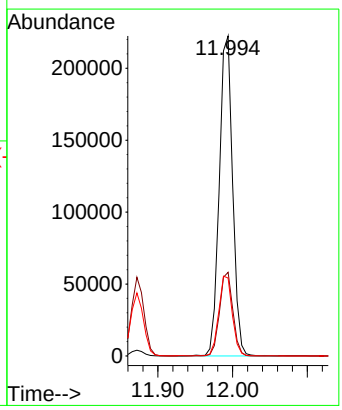
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

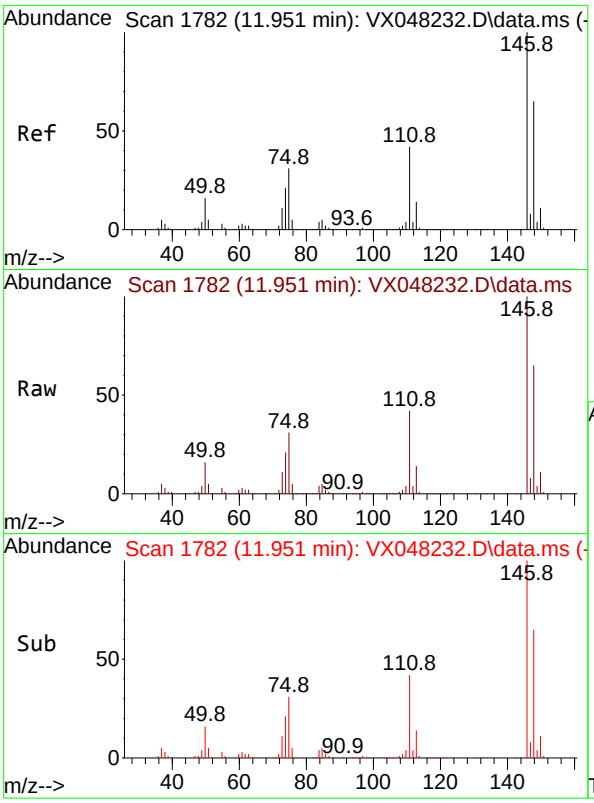


#86
p-Isopropyltoluene
Concen: 50.246 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:119 Resp: 276821

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	25.3	12.1	36.3

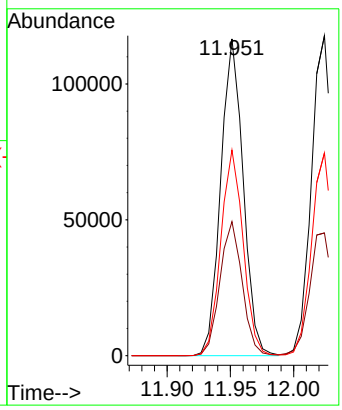




#87
1,3-Dichlorobenzene
Concen: 47.627 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:146 Resp: 14369

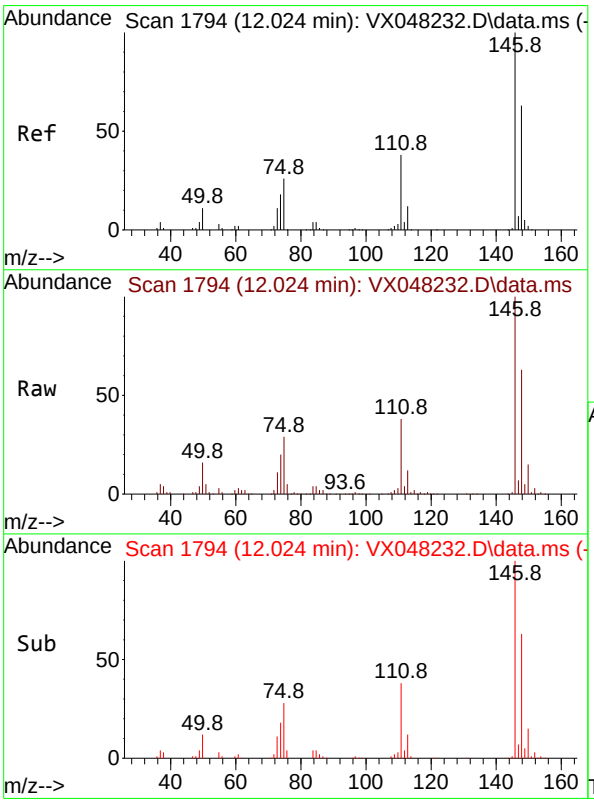
Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.4	61.2
148	64.6	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

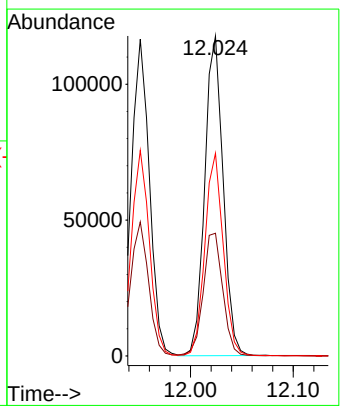
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

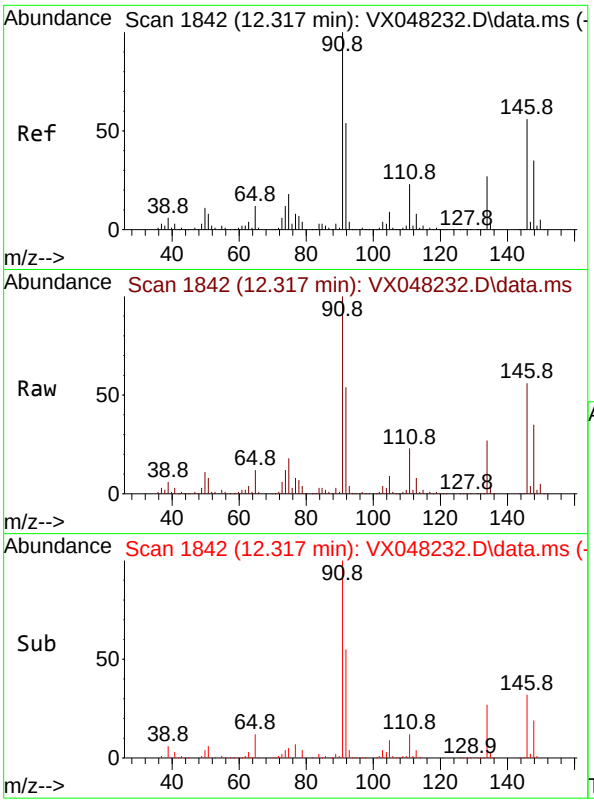


#88
1,4-Dichlorobenzene
Concen: 46.744 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:146 Resp: 146196

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.1	60.2
148	63.3	31.8	95.3

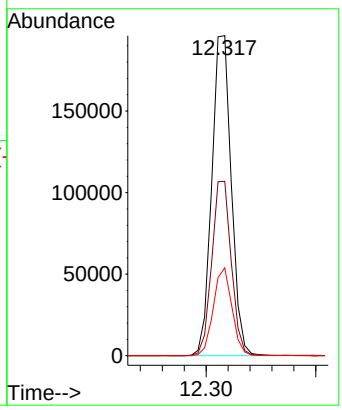




#89
n-Butylbenzene
Concen: 47.367 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 91 Resp: 24306

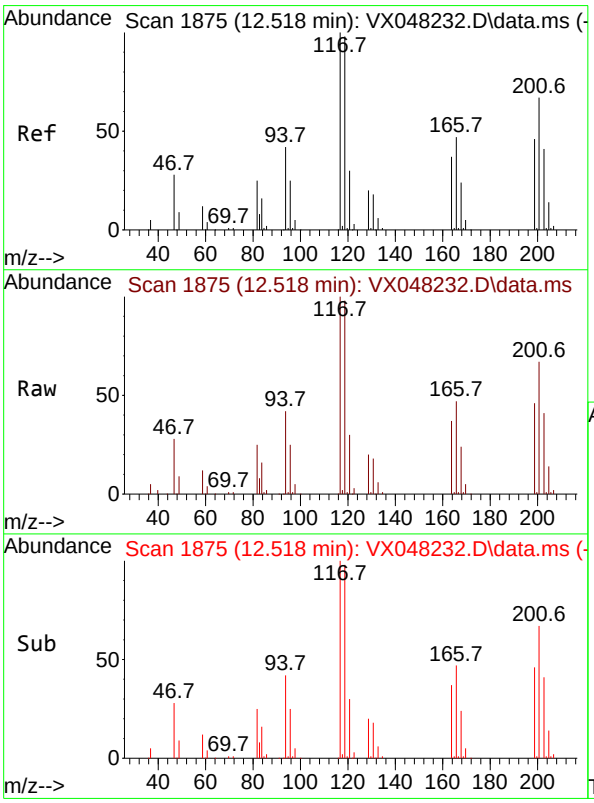
Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.9	80.6
134	26.2	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

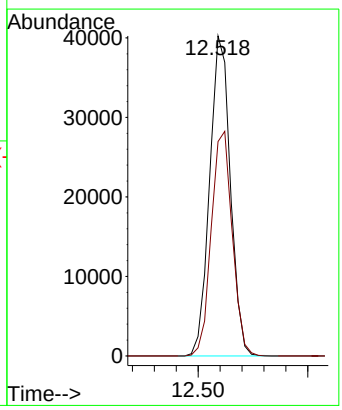
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

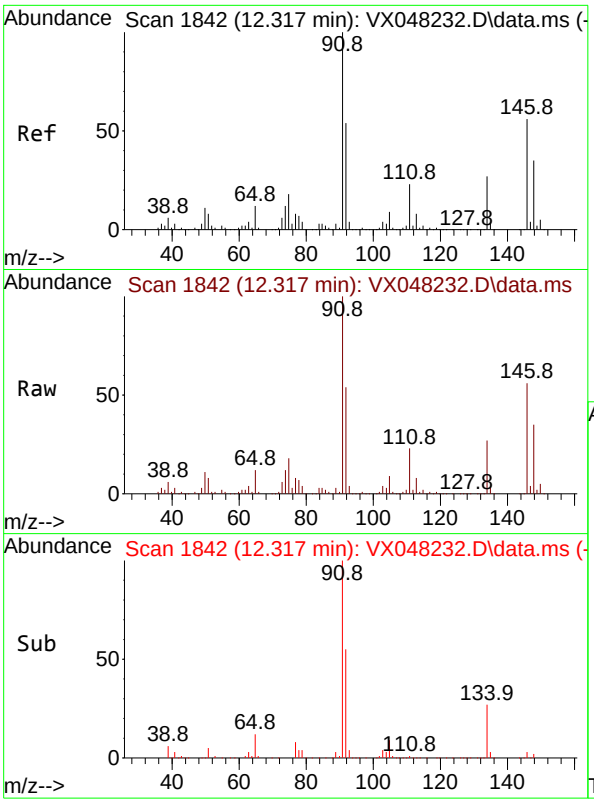


#90
Hexachloroethane
Concen: 45.350 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:117 Resp: 52735

Ion	Ratio	Lower	Upper
117	100		
201	71.2	34.1	102.2

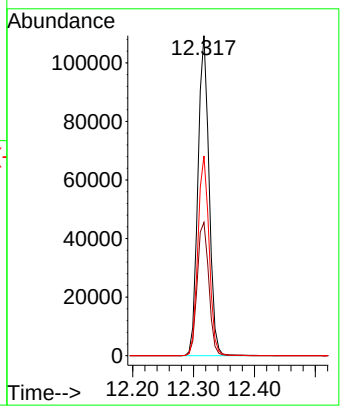




#91
1,2-Dichlorobenzene
Concen: 48.582 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:146 Resp: 13848

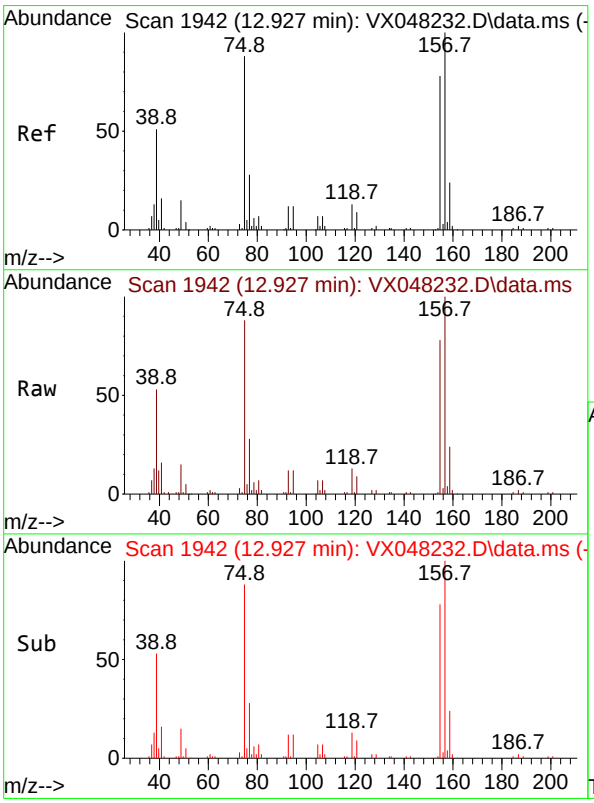
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.5
148	62.9	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

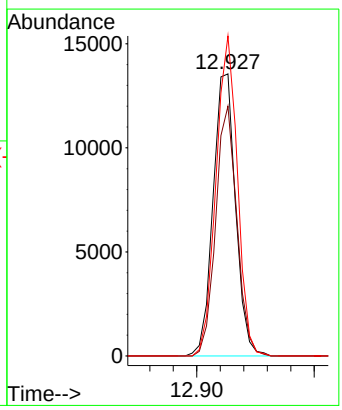
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

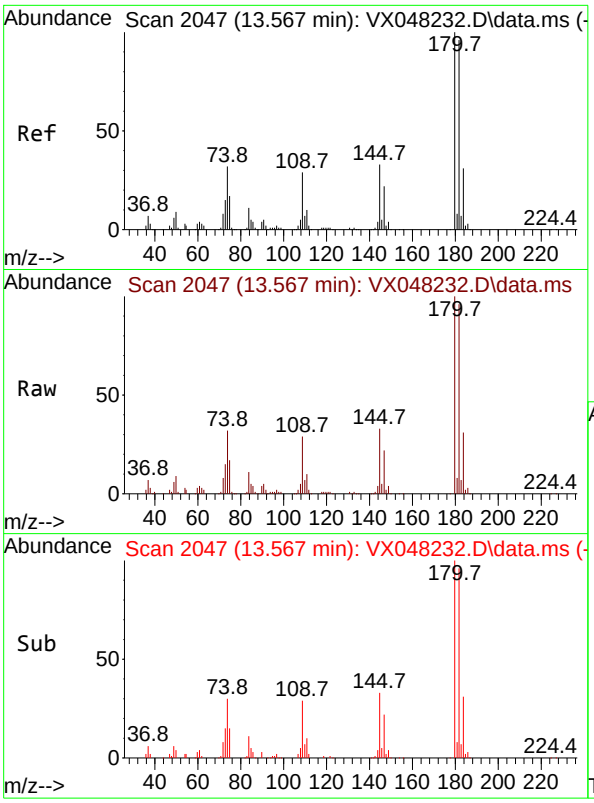


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.111 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 75 Resp: 18059

Ion	Ratio	Lower	Upper
75	100		
155	83.5	42.8	128.4
157	108.0	54.2	162.6

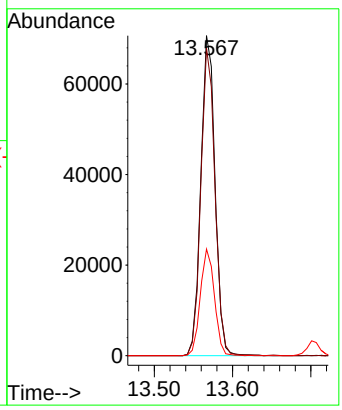




#93
1,2,4-Trichlorobenzene
Concen: 52.839 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:180 Resp: 8892

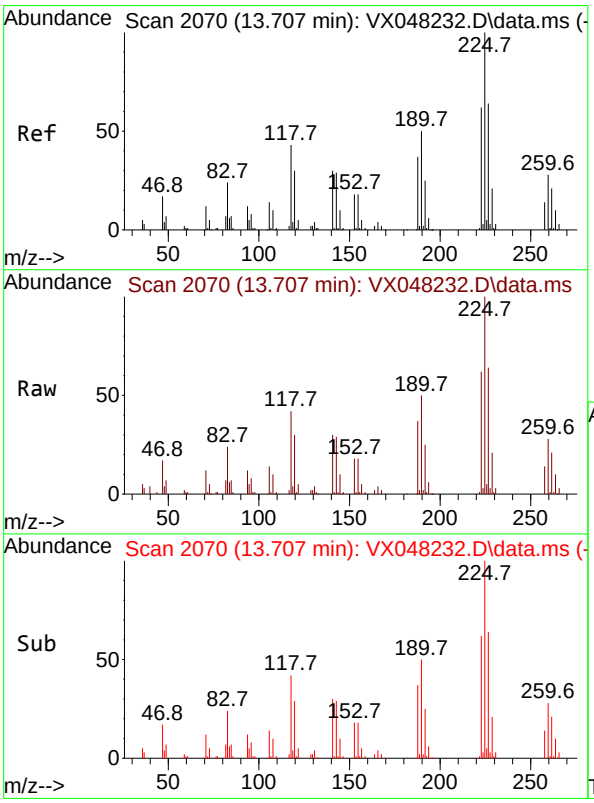
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	142.0
145	33.1	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

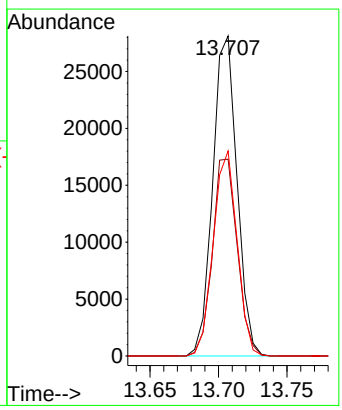
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

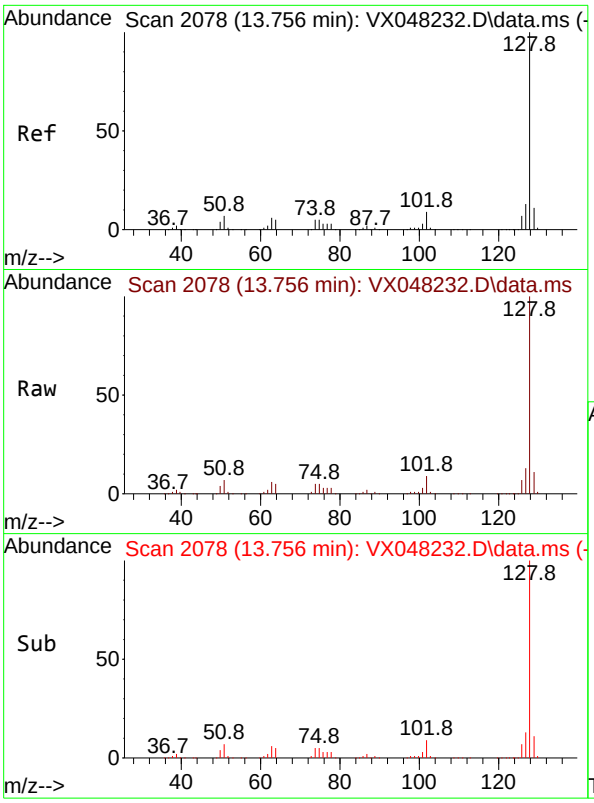


#94
Hexachlorobutadiene
Concen: 53.334 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:225 Resp: 34615

Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.6	97.7
227	62.9	32.5	97.4





#95
Naphthalene
Concen: 57.999 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

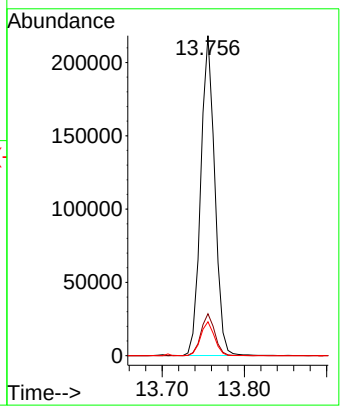
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

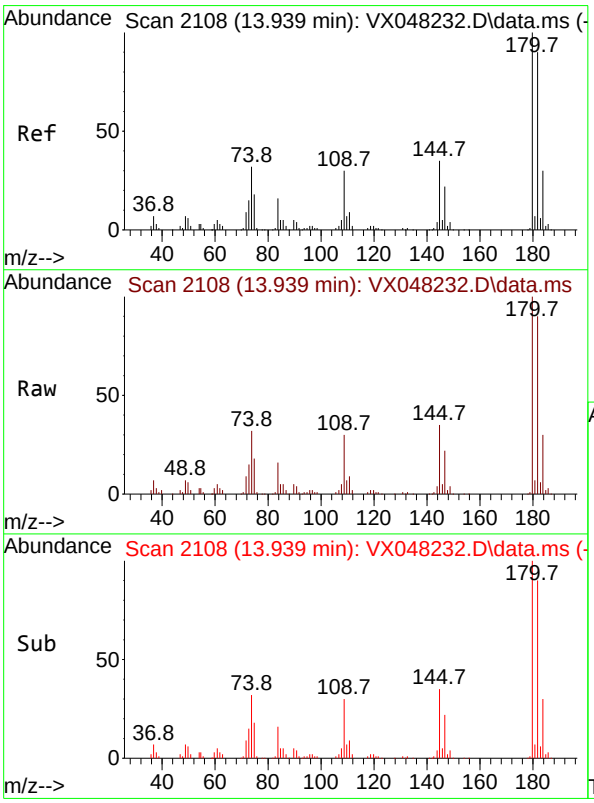
Tgt Ion:128 Resp: 25728

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.6	8.6	12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

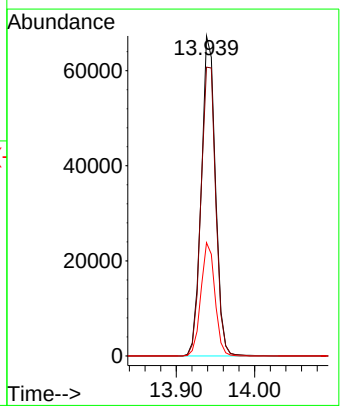




#96
1,2,3-Trichlorobenzene
Concen: 54.281 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX048232.D
Acq: 20 Oct 2025 12:01

Tgt Ion:180 Resp: 84279

Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.6	139.7
145	35.0	16.9	50.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048233.D
Acq On : 20 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	117551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	187766	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	163588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	80621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	162188	89.060	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 178.120%#			
35) Dibromofluoromethane	5.373	113	129919	99.697	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 199.400%#			
50) Toluene-d8	8.634	98	448948	95.629	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 191.260%#			
62) 4-Bromofluorobenzene	11.061	95	167565	97.996	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 196.000%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	127029	102.960	ug/l	97
3) Chloromethane	1.300	50	111895	74.863	ug/l	100
4) Vinyl Chloride	1.379	62	108564	68.931	ug/l	100
5) Bromomethane	1.605	94	65752	62.780	ug/l	99
6) Chloroethane	1.690	64	66332	66.181	ug/l	92
7) Trichlorofluoromethane	1.892	101	213301	86.283	ug/l	98
8) Diethyl Ether	2.135	74	58302	69.141	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.337	101	136951	98.309	ug/l	96
10) Methyl Iodide	2.452	142	183697	110.092	ug/l	99
11) Tert butyl alcohol	2.952	59	78284	647.864	ug/l	99
12) 1,1-Dichloroethene	2.324	96	131152	96.282	ug/l	93
13) Acrolein	2.239	56	87244	343.554	ug/l	100
14) Allyl chloride	2.666	41	214290	87.456	ug/l	98
15) Acrylonitrile	3.056	53	298022	514.707	ug/l	100
16) Acetone	2.373	43	260058	418.616	ug/l	99
17) Carbon Disulfide	2.513	76	380127	90.700	ug/l	99
18) Methyl Acetate	2.702	43	120920	95.565	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	427254	104.130	ug/l	97
20) Methylene Chloride	2.788	84	140317	92.718	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	139080	98.694	ug/l	96
22) Diisopropyl ether	3.751	45	420126	87.566	ug/l	89
23) Vinyl Acetate	3.714	43	1723170	480.325	ug/l	96
24) 1,1-Dichloroethane	3.605	63	248141	91.164	ug/l	99
25) 2-Butanone	4.543	43	353741	488.753	ug/l	98
26) 2,2-Dichloropropane	4.470	77	228643	98.275	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	163444	97.727	ug/l	98
28) Bromochloromethane	4.885	49	108536	86.505	ug/l	86
29) Tetrahydrofuran	4.989	42	216543	509.471	ug/l	93
30) Chloroform	5.080	83	264966	92.461	ug/l	98
31) Cyclohexane	5.464	56	217717	97.754	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	248018	105.334	ug/l	98
36) 1,1-Dichloropropene	5.684	75	183932	100.194	ug/l	99
37) Ethyl Acetate	4.702	43	153844	104.863	ug/l	99
38) Carbon Tetrachloride	5.665	117	226976	107.719	ug/l	99
39) Methylcyclohexane	7.366	83	235208	113.637	ug/l	95
40) Benzene	6.025	78	535407	98.221	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048233.D
Acq On : 20 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 20 12:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.909	41	83790	106.641 ug/l		97
42) 1,2-Dichloroethane	6.074	62	198348	101.562 ug/l		99
43) Isopropyl Acetate	6.324	43	256067	103.976 ug/l		95
44) Trichloroethene	7.110	130	142779	103.931 ug/l		99
45) 1,2-Dichloropropane	7.415	63	130188	94.368 ug/l		96
46) Dibromomethane	7.567	93	98105	98.835 ug/l		94
47) Bromodichloromethane	7.805	83	215302	100.358 ug/l		99
48) Methyl methacrylate	7.677	41	131454	104.272 ug/l		95
49) 1,4-Dioxane	7.647	88	35972	3169.845 ug/l		89
51) 4-Methyl-2-Pentanone	8.561	43	720980	526.103 ug/l		94
52) Toluene	8.701	92	341597	104.263 ug/l		99
53) t-1,3-Dichloropropene	8.963	75	215736	107.341 ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	231037	105.465 ug/l		94
55) 1,1,2-Trichloroethane	9.134	97	124910	102.180 ug/l		98
56) Ethyl methacrylate	9.104	69	196699	118.305 ug/l		94
57) 1,3-Dichloropropane	9.293	76	214853	100.598 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	505448	592.044 ug/l		96
59) 2-Hexanone	9.415	43	509398	531.416 ug/l		95
60) Dibromochloromethane	9.506	129	166167	108.598 ug/l		100
61) 1,2-Dibromoethane	9.591	107	134662	107.431 ug/l		97
64) Tetrachloroethene	9.256	164	121163	105.633 ug/l		97
65) Chlorobenzene	10.061	112	375532	104.990 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	140599	109.080 ug/l		97
67) Ethyl Benzene	10.177	91	656925	107.128 ug/l		98
68) m/p-Xylenes	10.286	106	490879	214.875 ug/l		100
69) o-Xylene	10.622	106	236648	110.042 ug/l		100
70) Styrene	10.640	104	407916	110.197 ug/l		99
71) Bromoform	10.780	173	109613	115.806 ug/l	#	98
73) Isopropylbenzene	10.945	105	624767	111.418 ug/l		99
74) N-amyl acetate	10.829	43	228080	109.030 ug/l		95
75) 1,1,2,2-Tetrachloroethane	11.195	83	164207	103.367 ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	130599m	106.083 ug/l		
77) Bromobenzene	11.183	156	153619	109.475 ug/l		93
78) n-propylbenzene	11.286	91	732684	107.747 ug/l		98
79) 2-Chlorotoluene	11.347	91	434217	105.691 ug/l		100
80) 1,3,5-Trimethylbenzene	11.432	105	519549	112.876 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	59059	117.466 ug/l		98
82) 4-Chlorotoluene	11.439	91	506861	104.983 ug/l		98
83) tert-Butylbenzene	11.695	119	529264	113.817 ug/l		98
84) 1,2,4-Trimethylbenzene	11.731	105	523474	114.214 ug/l		99
85) sec-Butylbenzene	11.871	105	639904	112.562 ug/l		100
86) p-Isopropyltoluene	11.987	119	548119	114.386 ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	281617	107.314 ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	277908	102.163 ug/l		98
89) n-Butylbenzene	12.316	91	495486	111.016 ug/l		99
90) Hexachloroethane	12.518	117	107057	105.851 ug/l		93
91) 1,2-Dichlorobenzene	12.316	146	261022	105.277 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	36087	124.320 ug/l		97
93) 1,2,4-Trichlorobenzene	13.566	180	179562	122.679 ug/l		100
94) Hexachlorobutadiene	13.706	225	68645	121.605 ug/l		98
95) Naphthalene	13.755	128	511355	132.536 ug/l		99
96) 1,2,3-Trichlorobenzene	13.944	180	169248	125.328 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048233.D
Acq On : 20 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

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

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

ICAL Form

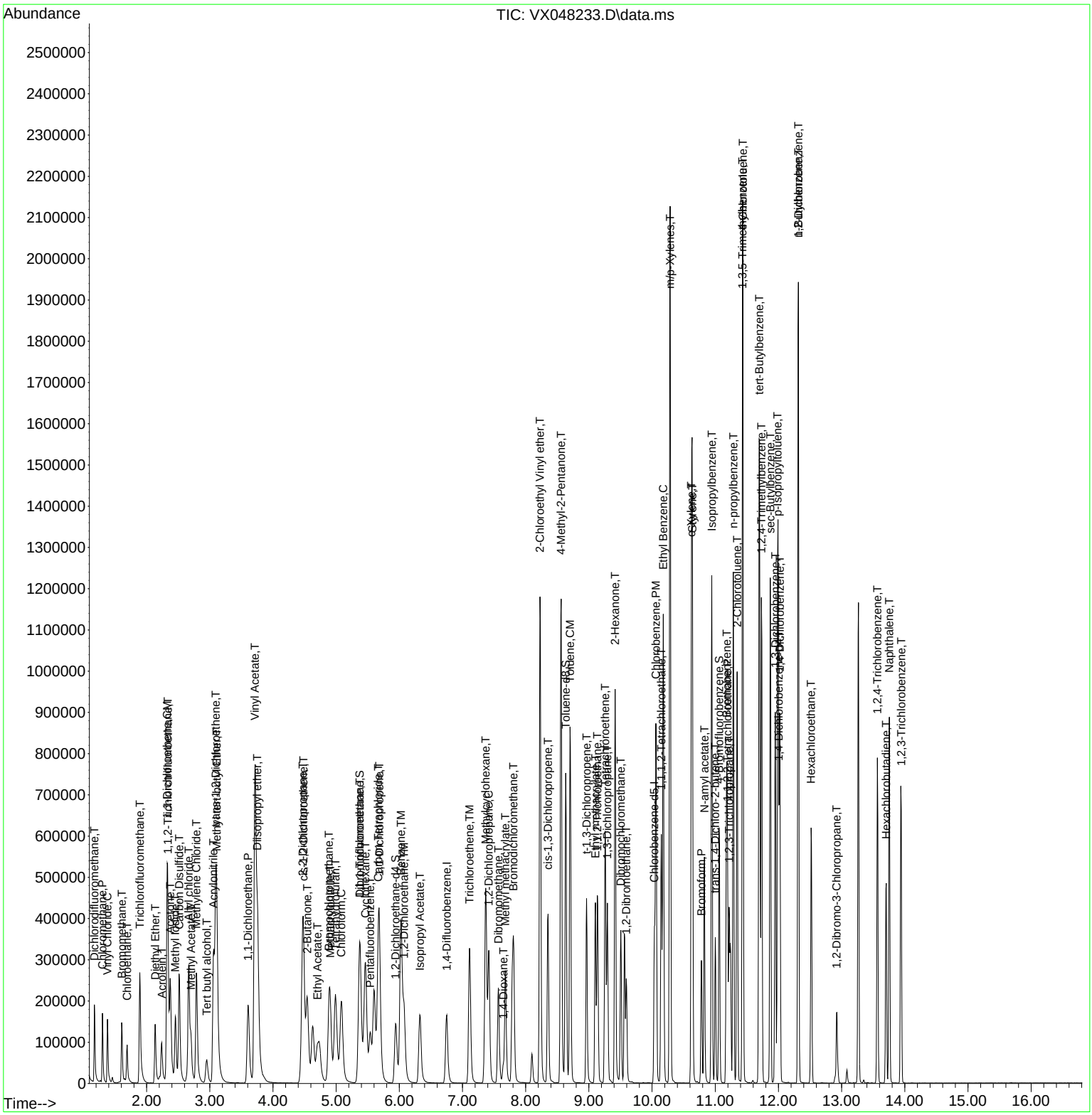
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048233.D
Acq On : 20 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

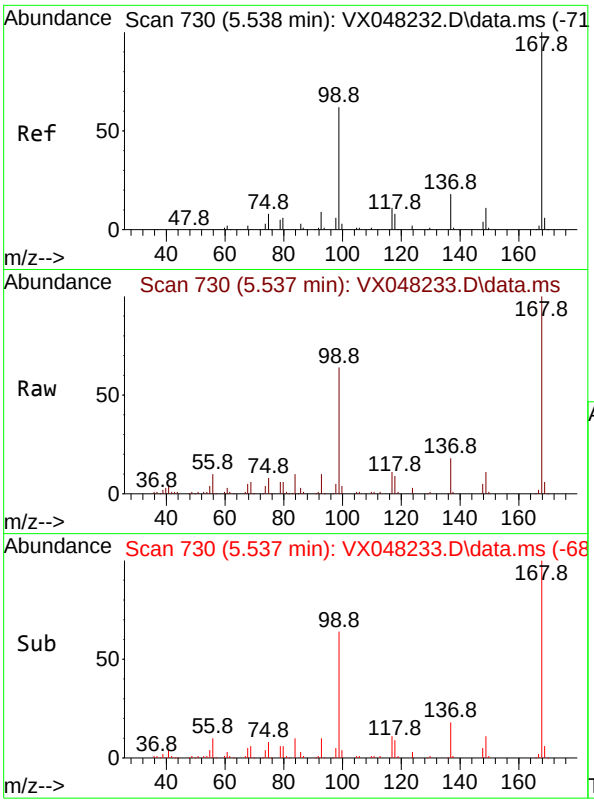
Quant Time: Oct 20 12:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

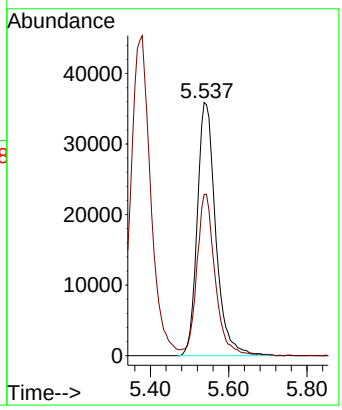




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:168 Resp: 11755

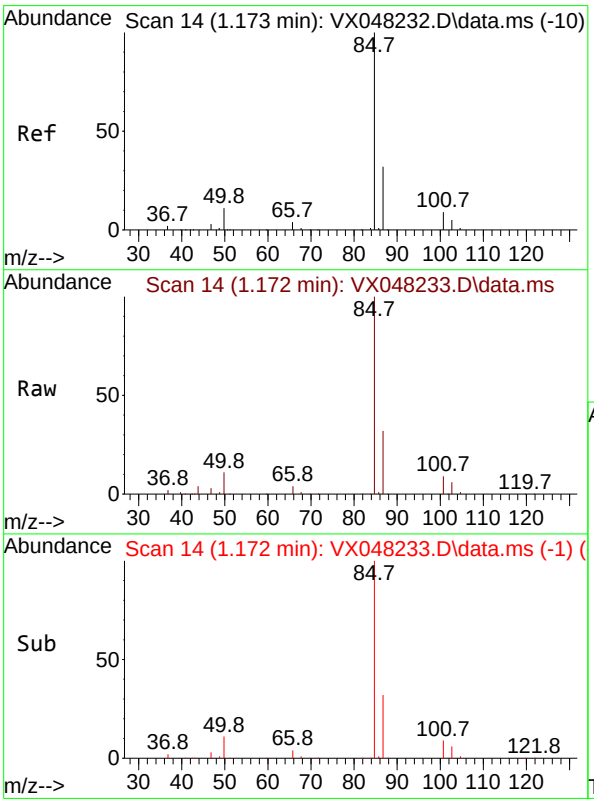
Ion	Ratio	Lower	Upper
168	100		
99	63.4	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

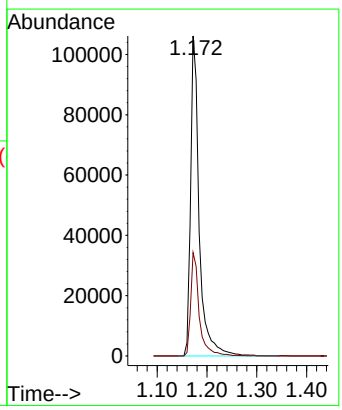
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

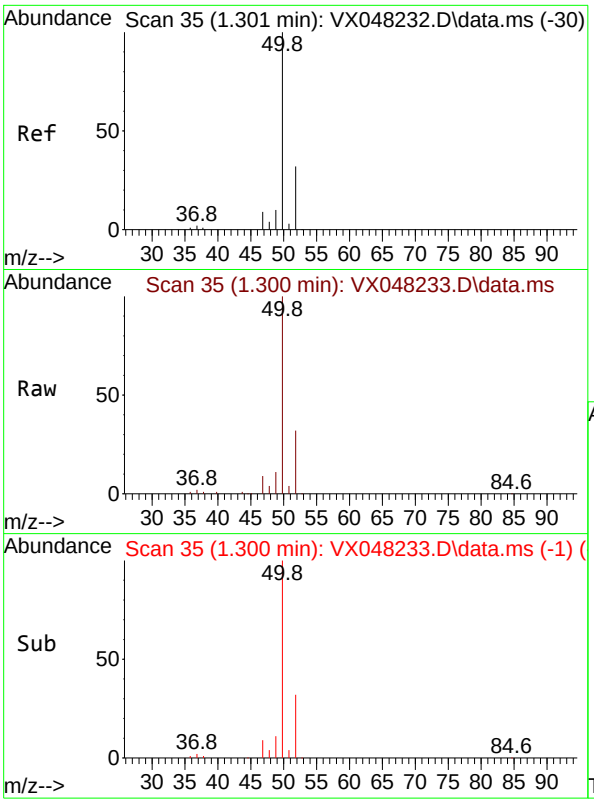


#2
Dichlorodifluoromethane
Concen: 102.960 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 85 Resp: 127029

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.3	45.9

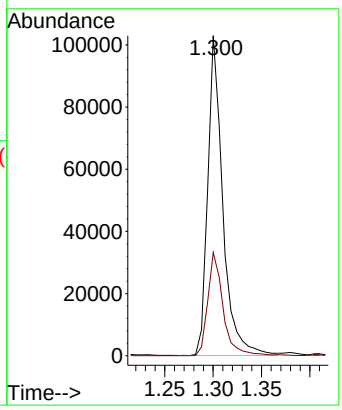




#3
Chloromethane
Concen: 74.863 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 50 Resp: 11189

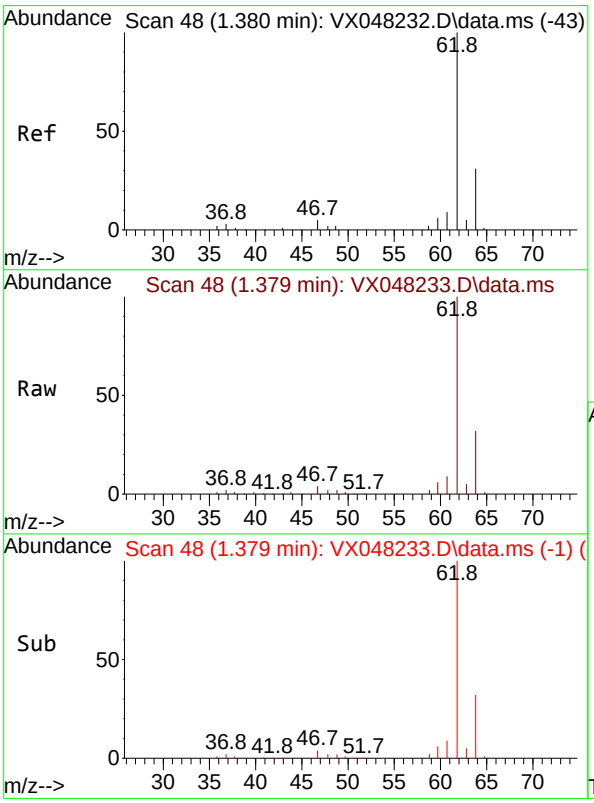
Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

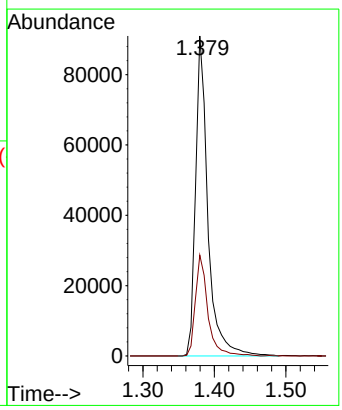
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

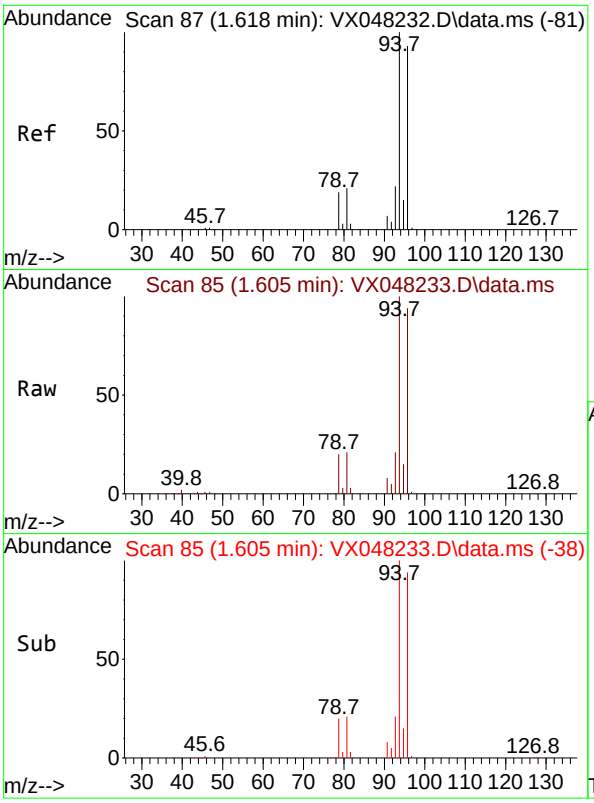


#4
Vinyl Chloride
Concen: 68.931 ug/l
RT: 1.379 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 62 Resp: 108564

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.1	37.7

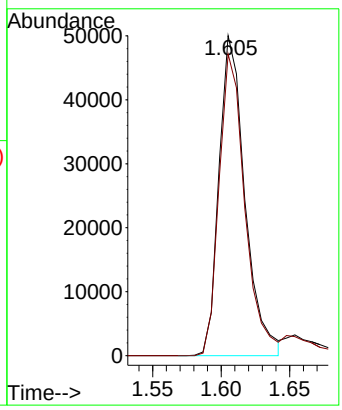




#5
Bromomethane
Concen: 62.780 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.013 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 94 Resp: 6575

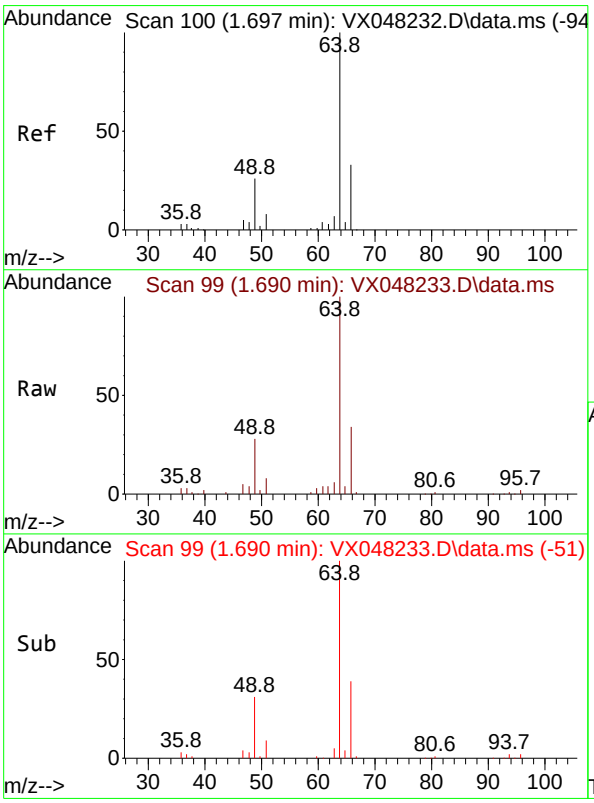
Ion	Ratio	Lower	Upper
94	100		
96	94.3	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

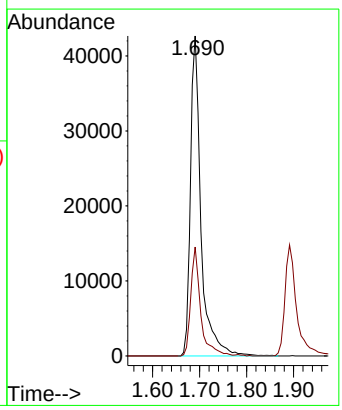
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

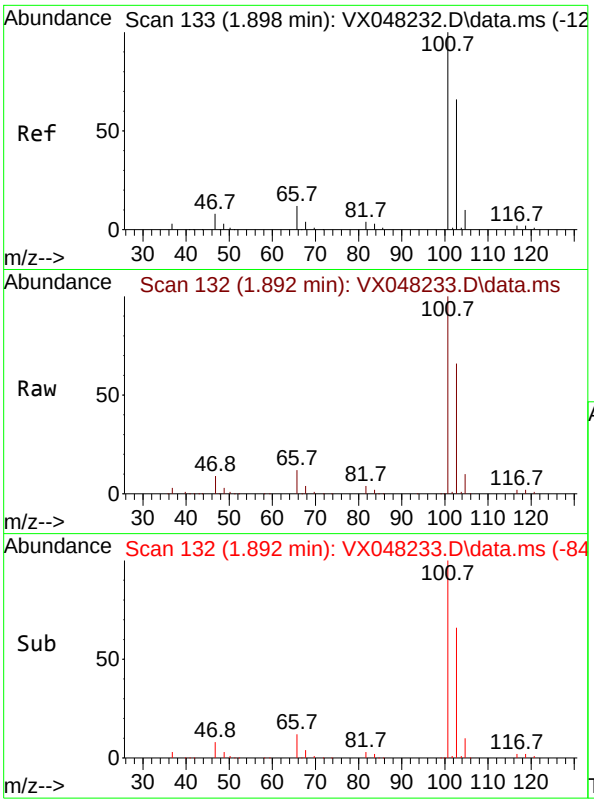


#6
Chloroethane
Concen: 66.181 ug/l
RT: 1.690 min Scan# 99
Delta R.T. -0.007 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 64 Resp: 66332

Ion	Ratio	Lower	Upper
64	100		
66	34.0	23.9	35.9





#7
Trichlorofluoromethane
Concen: 86.283 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

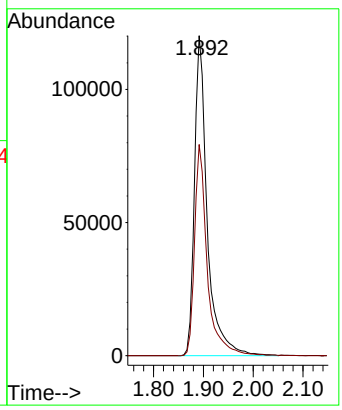
Tgt Ion:101 Resp: 21330

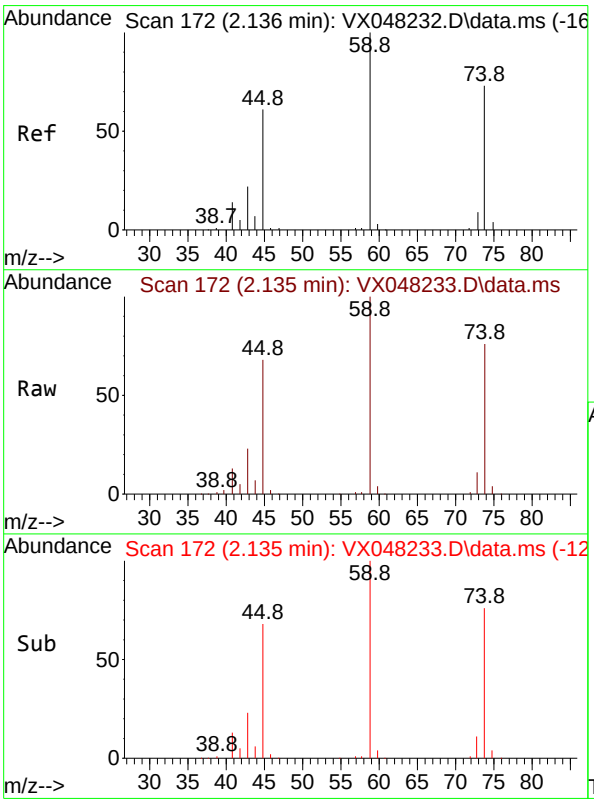
Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.6	77.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

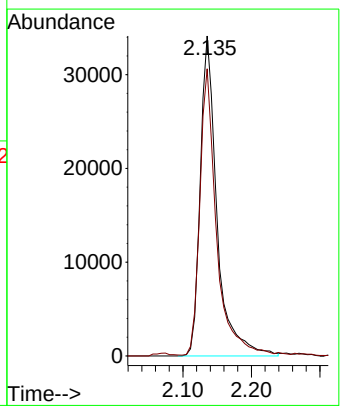


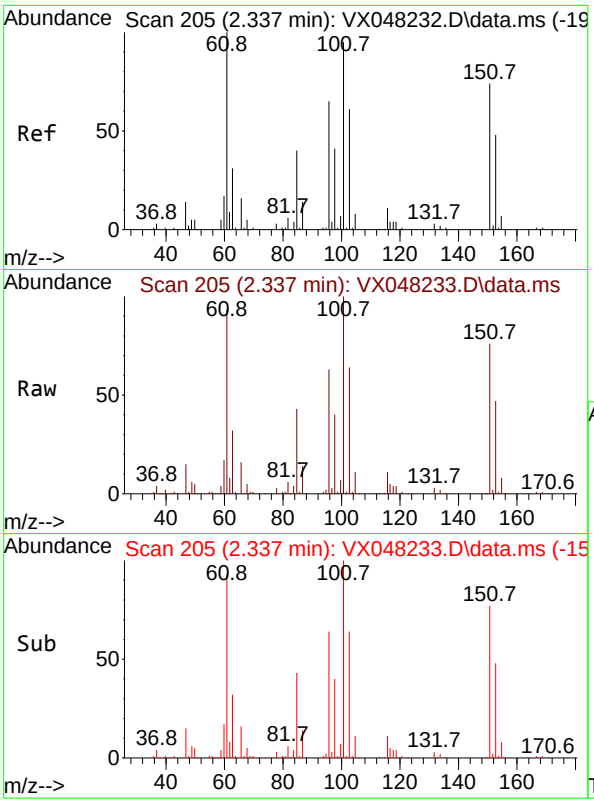


#8
Diethyl Ether
Concen: 69.141 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 74 Resp: 58302

Ion	Ratio	Lower	Upper
74	100		
45	88.0	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 98.309 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

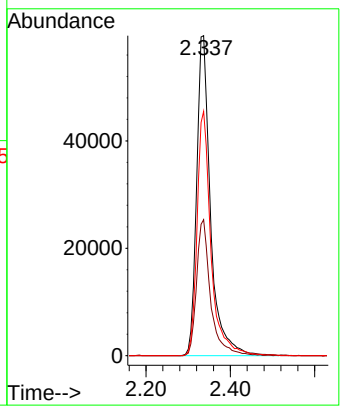
Tgt Ion:101 Resp: 13695

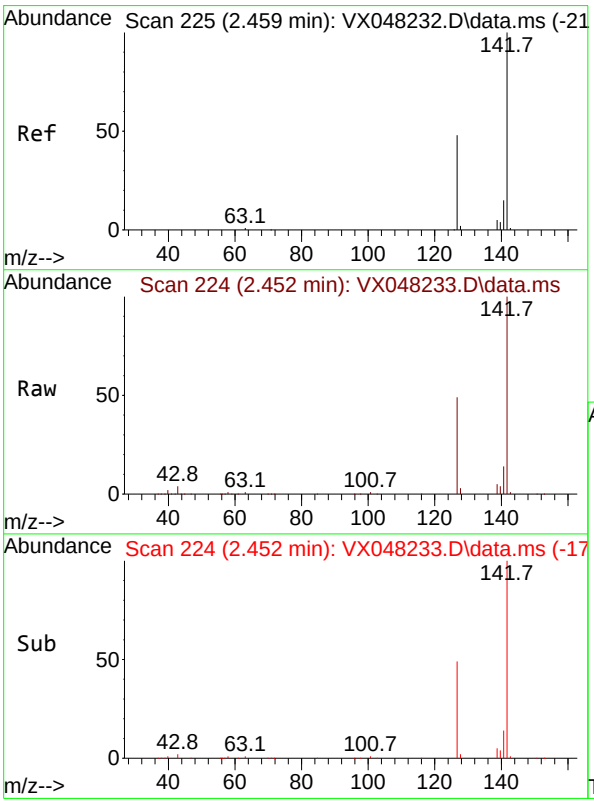
Ion	Ratio	Lower	Upper
101	100		
85	42.9	35.6	53.4
151	76.5	58.0	87.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

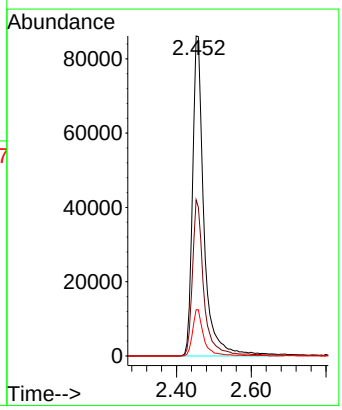


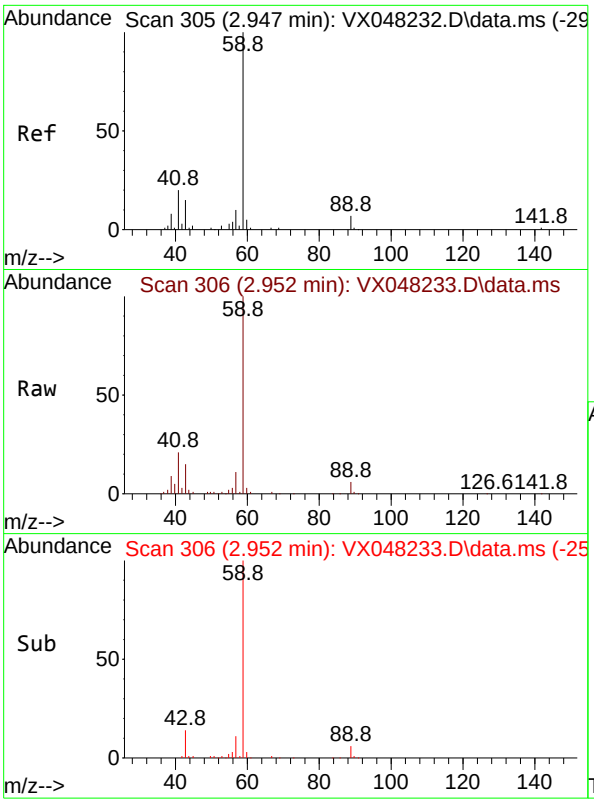


#10
Methyl Iodide
Concen: 110.092 ug/l
RT: 2.452 min Scan# 224
Delta R.T. -0.007 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:142 Resp: 183697

Ion	Ratio	Lower	Upper
142	100		
127	47.6	38.5	57.7
141	14.1	11.6	17.4

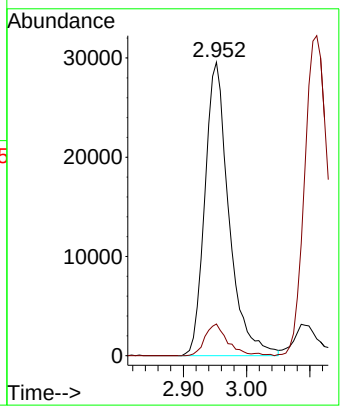




#11
Tert butyl alcohol
Concen: 647.864 ug/l
RT: 2.952 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 59 Resp: 7828

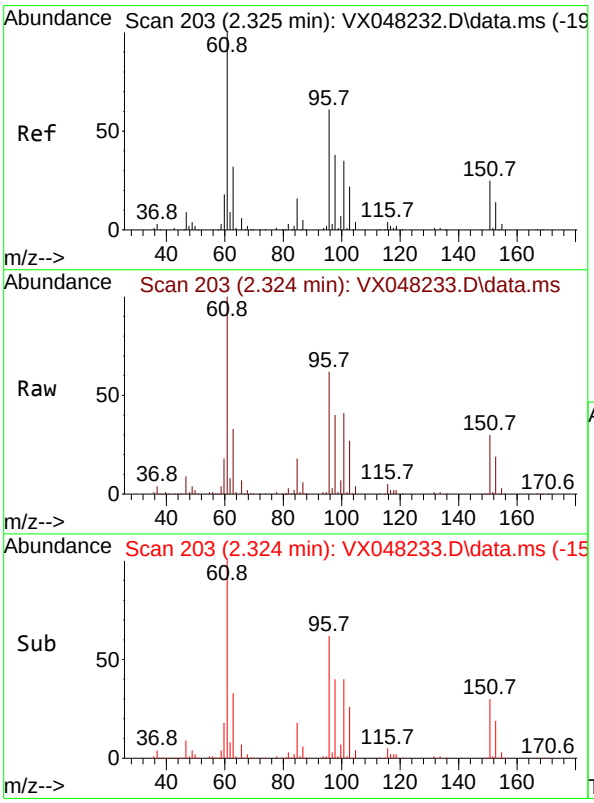
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

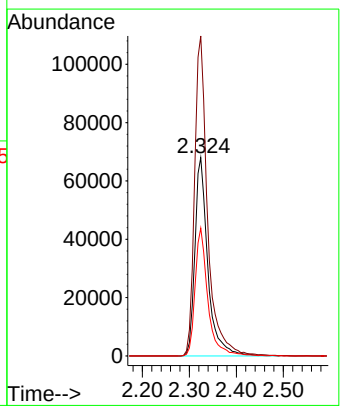
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

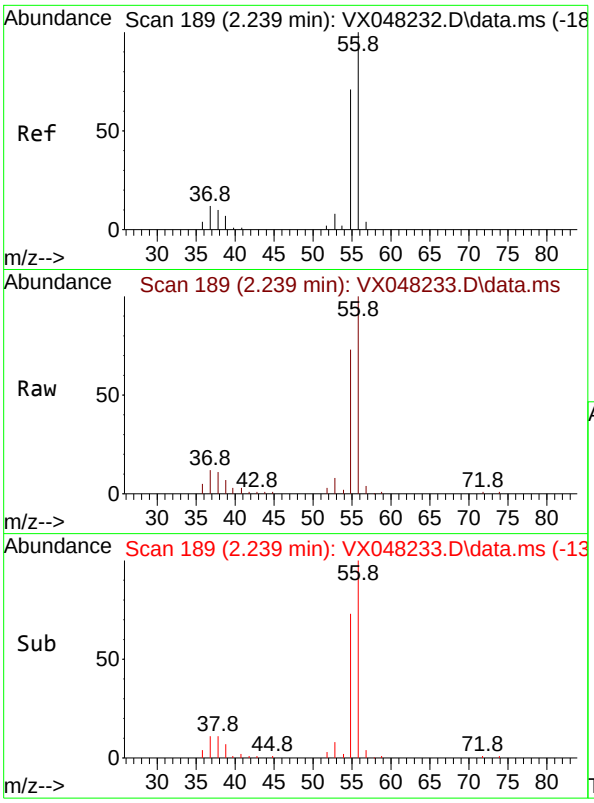


#12
1,1-Dichloroethene
Concen: 96.282 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 96 Resp: 131152

Ion	Ratio	Lower	Upper
96	100		
61	161.2	139.0	208.6
98	64.4	52.4	78.6

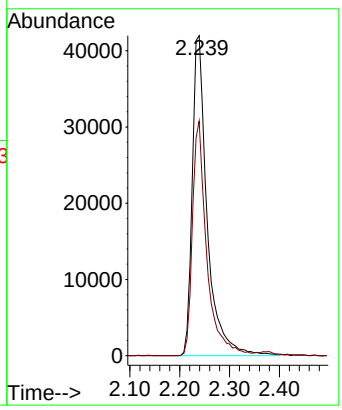




#13
Acrolein
Concen: 343.554 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 56 Resp: 8724

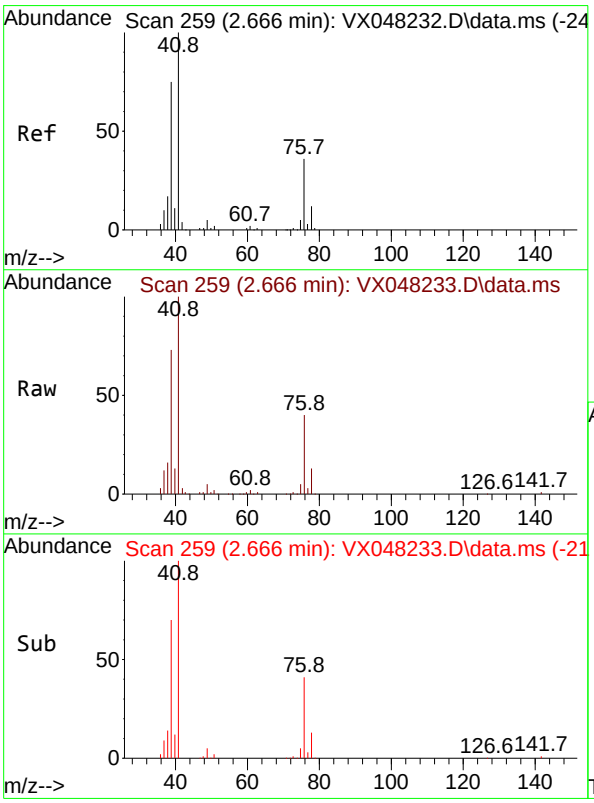
Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

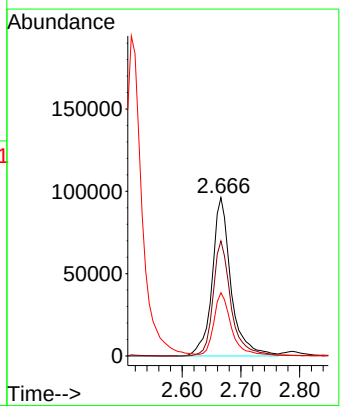
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

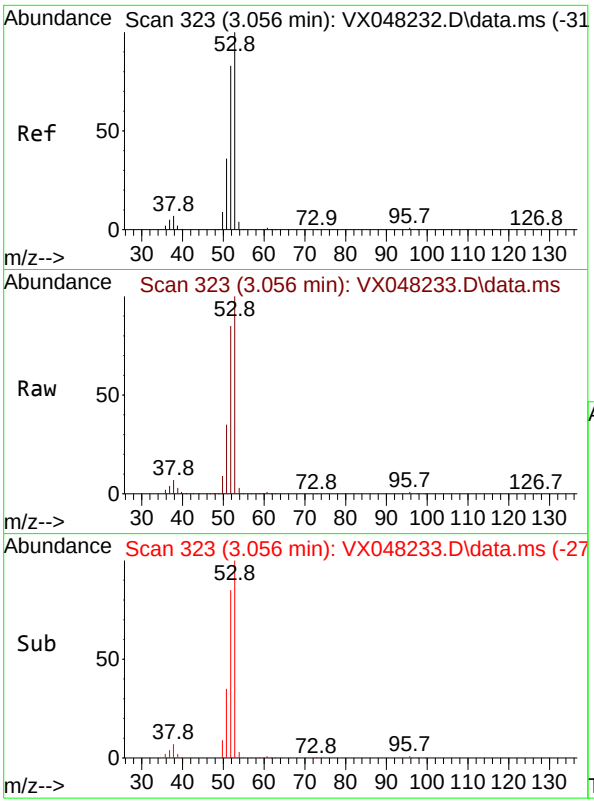


#14
Allyl chloride
Concen: 87.456 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 41 Resp: 214290

Ion	Ratio	Lower	Upper
41	100		
39	69.5	56.0	84.0
76	37.6	27.5	41.3

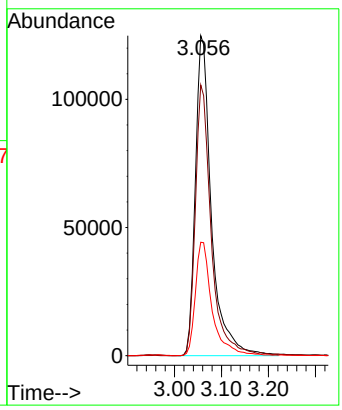




#15
Acrylonitrile
Concen: 514.707 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 53 Resp: 29802

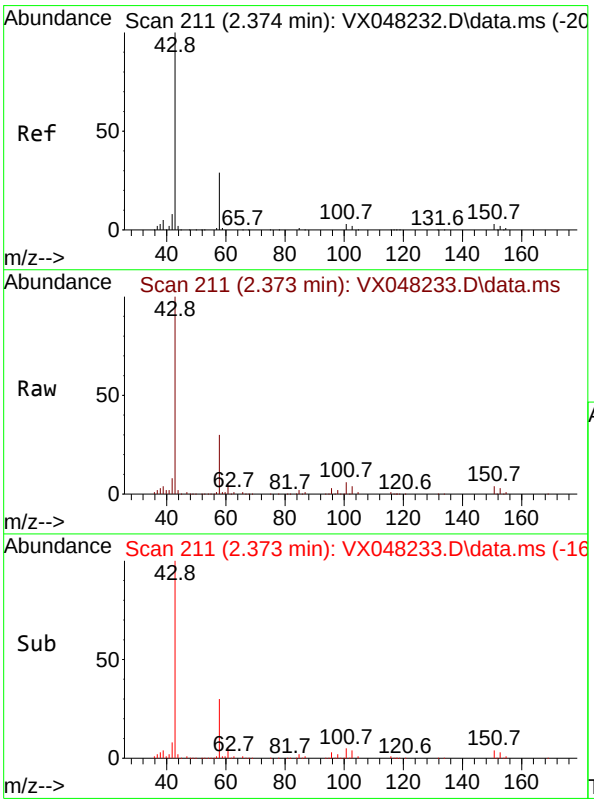
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.1	99.1
51	37.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

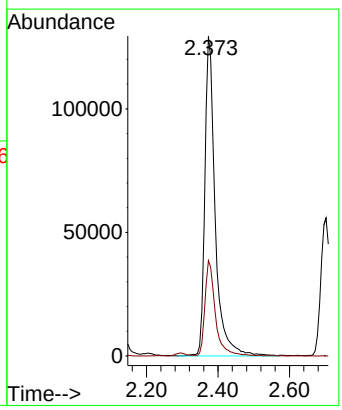
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

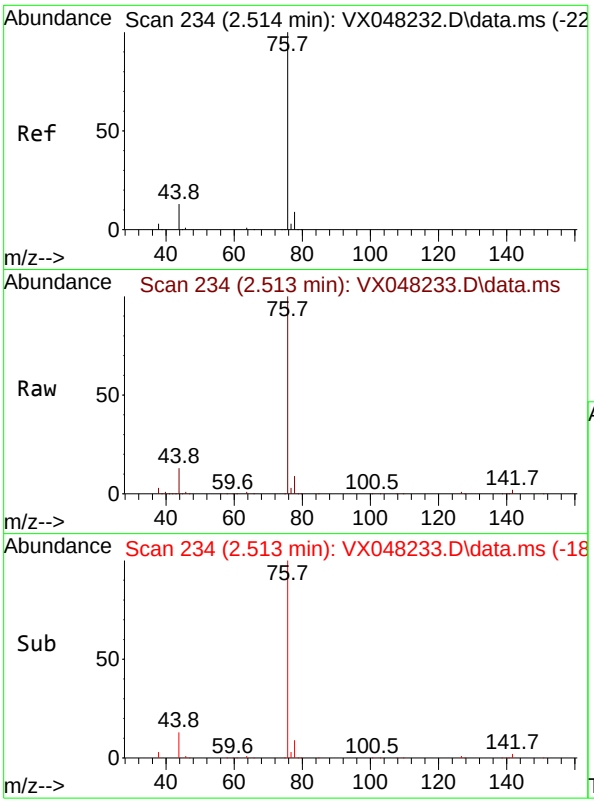


#16
Acetone
Concen: 418.616 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 260058

Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.4	35.2

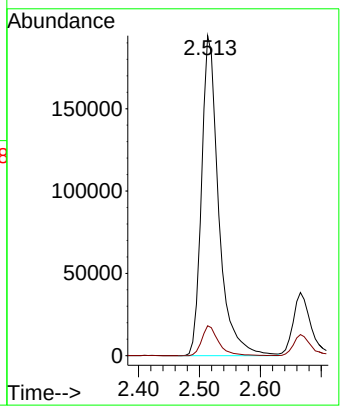




#17
Carbon Disulfide
Concen: 90.700 ug/l
RT: 2.513 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 76 Resp: 38012

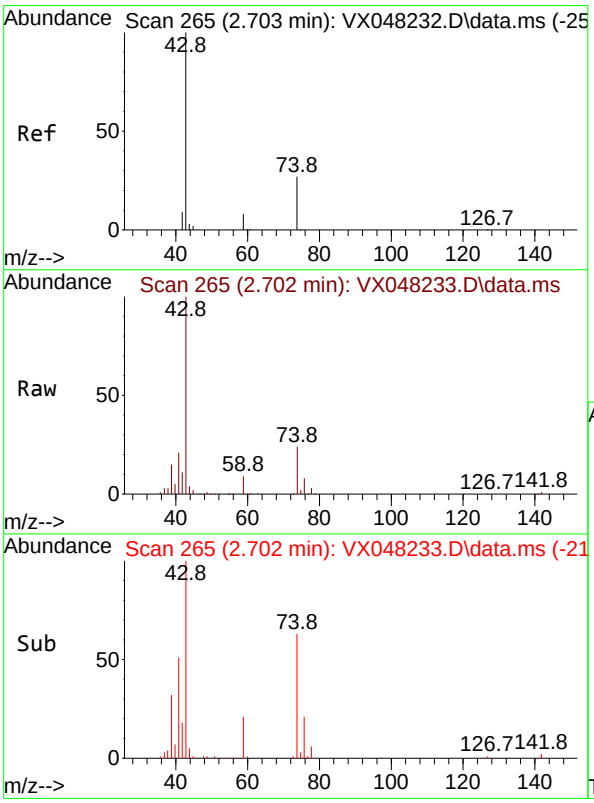
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

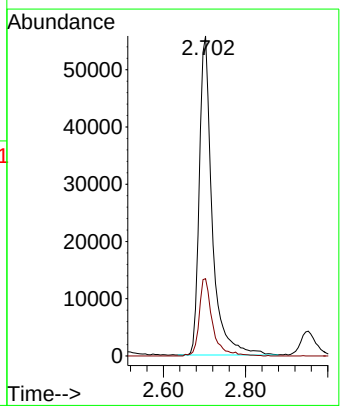
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

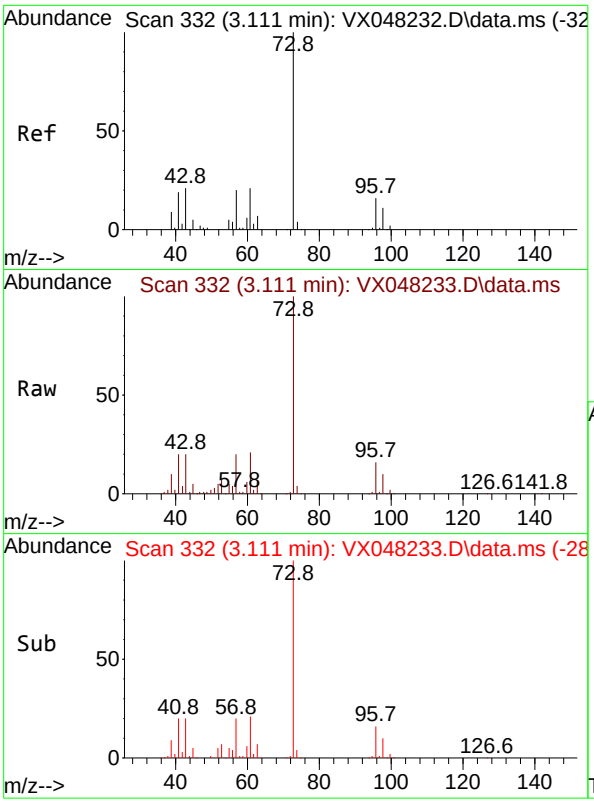


#18
Methyl Acetate
Concen: 95.565 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 120920

Ion	Ratio	Lower	Upper
43	100		
74	25.0	17.5	26.3

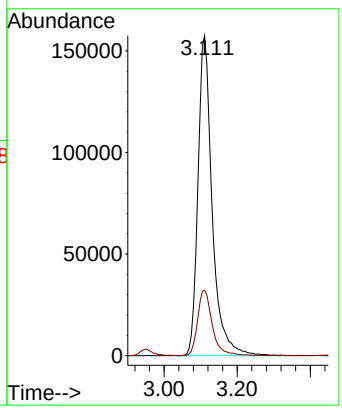




#19
Methyl tert-butyl Ether
Concen: 104.130 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 73 Resp: 42725

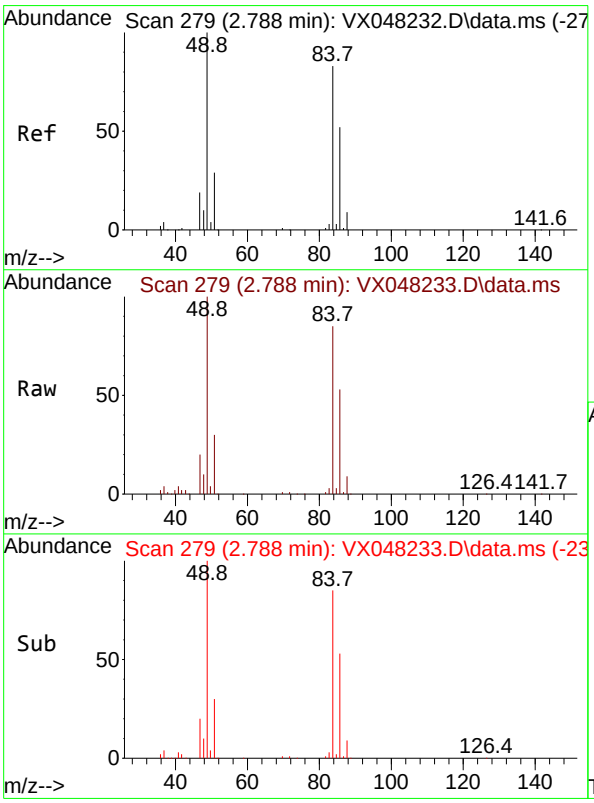
Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

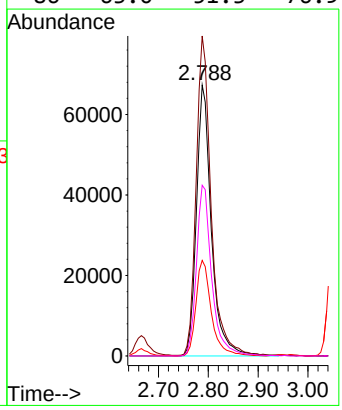
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

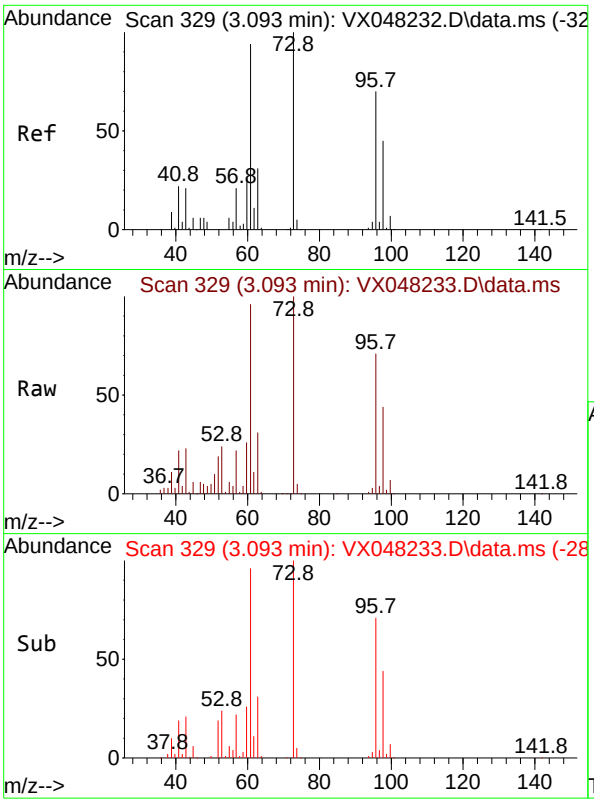


#20
Methylene Chloride
Concen: 92.718 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 84 Resp: 140317

Ion	Ratio	Lower	Upper
84	100		
49	117.9	104.1	156.1
51	35.3	31.3	46.9
86	63.0	51.3	76.9

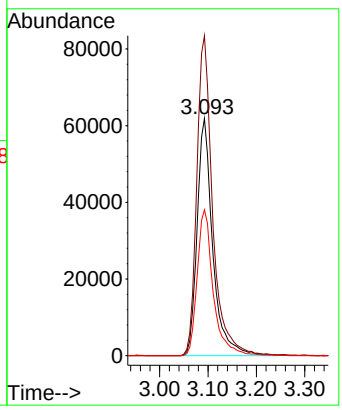




#21
trans-1,2-Dichloroethene
Concen: 98.694 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 96 Resp: 13908

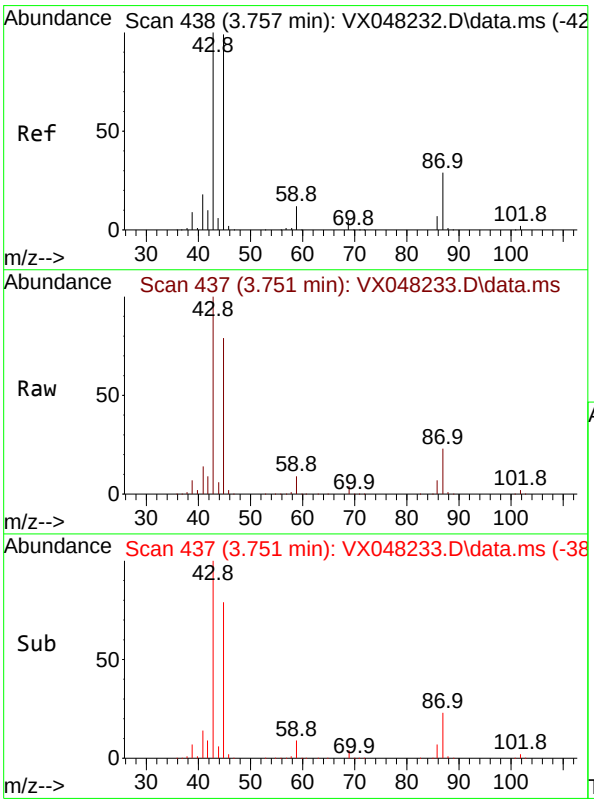
Ion	Ratio	Lower	Upper
96	100		
61	134.9	111.9	167.9
98	61.5	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

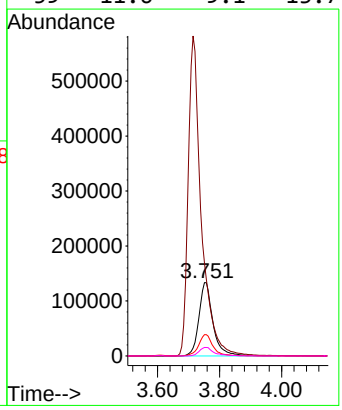
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

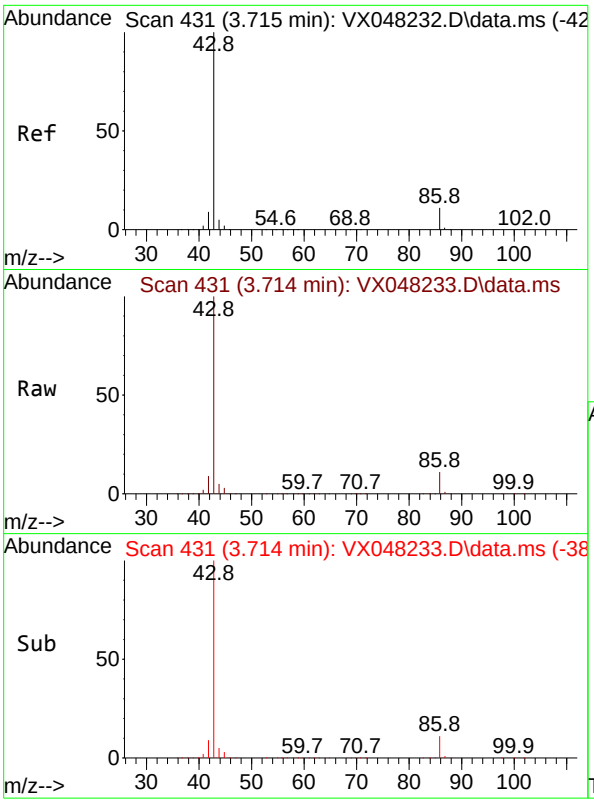


#22
Diisopropyl ether
Concen: 87.566 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 45 Resp: 420126

Ion	Ratio	Lower	Upper
45	100		
43	126.6	89.8	134.8
87	29.0	20.6	31.0
59	11.6	9.1	13.7





#23
Vinyl Acetate
Concen: 480.325 ug/l
RT: 3.714 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

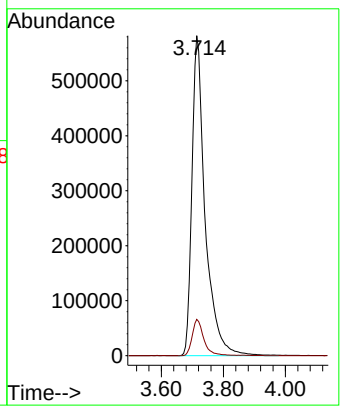
Tgt Ion: 43 Resp: 172317

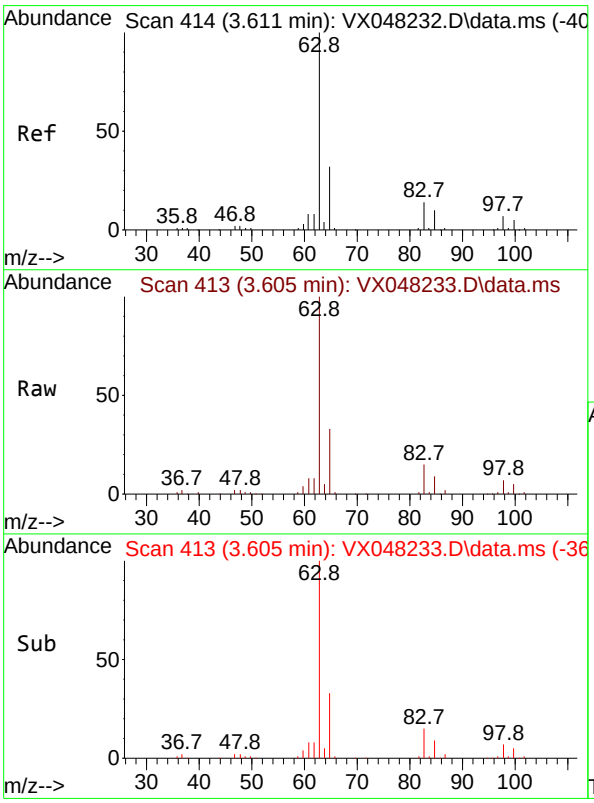
Ion	Ratio	Lower	Upper
43	100		
86	11.3	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

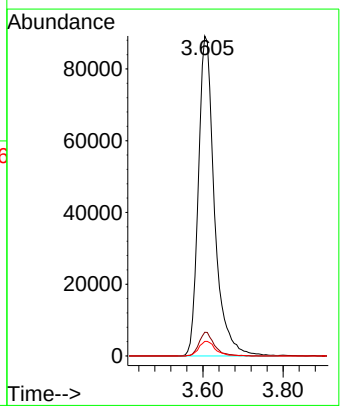


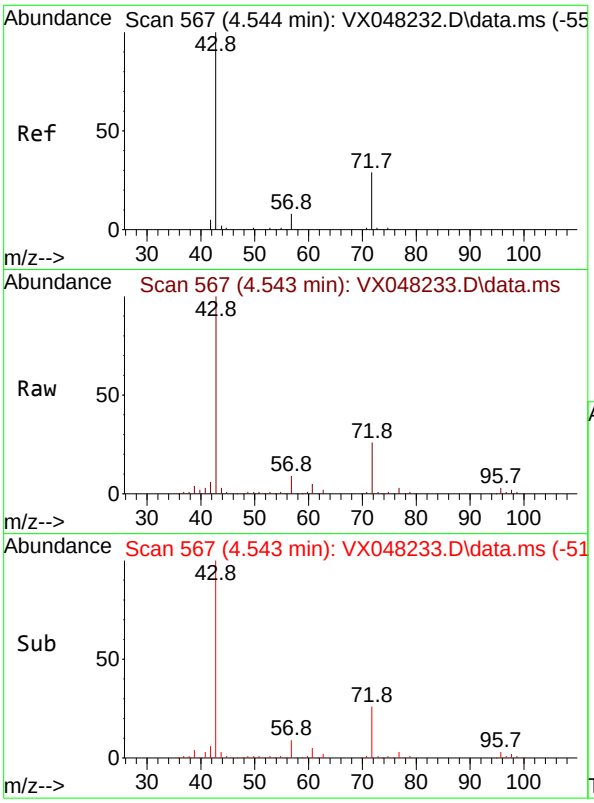


#24
1,1-Dichloroethane
Concen: 91.164 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 63 Resp: 248141

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	4.6	2.1	6.3





#25
2-Butanone
Concen: 488.753 ug/l
RT: 4.543 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

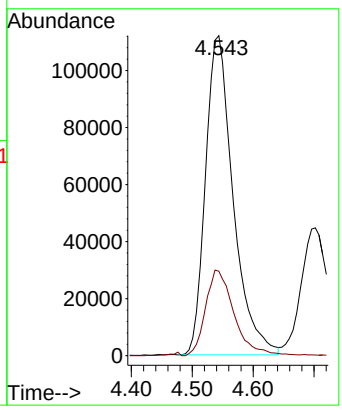
Tgt Ion: 43 Resp: 35374

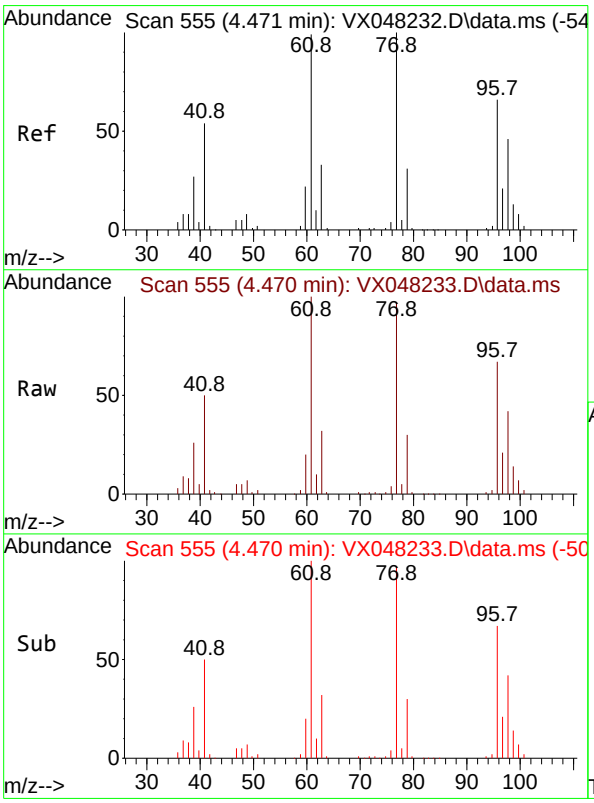
Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.9	29.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

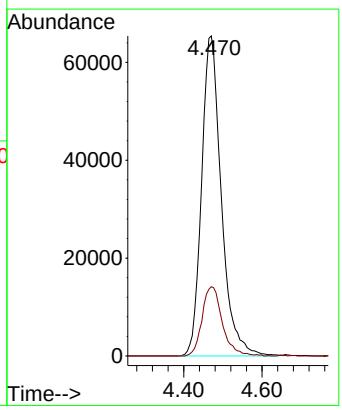


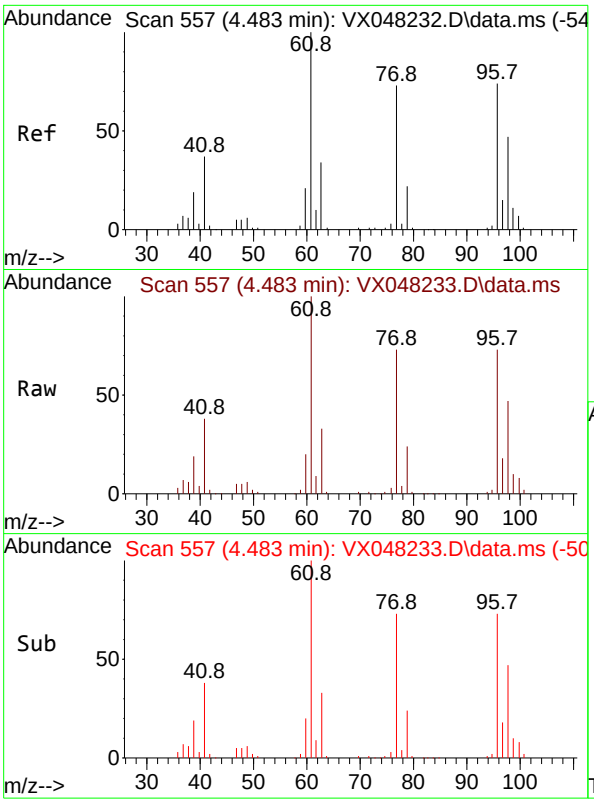


#26
2,2-Dichloropropane
Concen: 98.275 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 77 Resp: 228643

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.1	33.3





#27
cis-1,2-Dichloroethene
Concen: 97.727 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

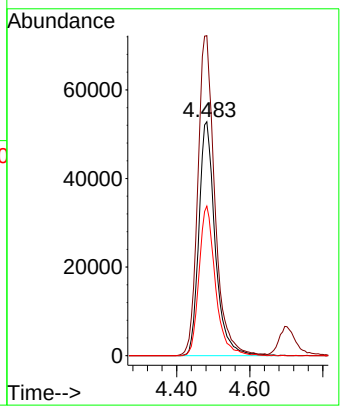
Tgt Ion: 96 Resp: 16344

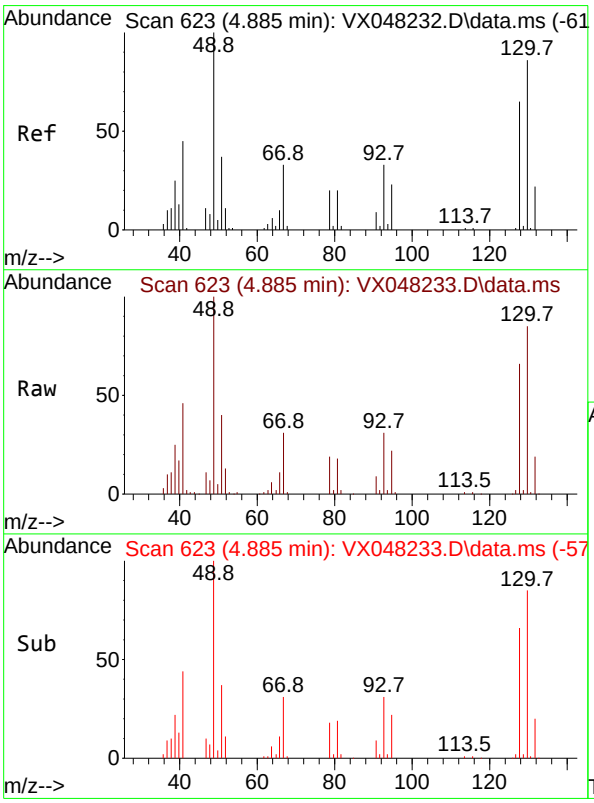
Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	294.2
98	64.3	0.0	128.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

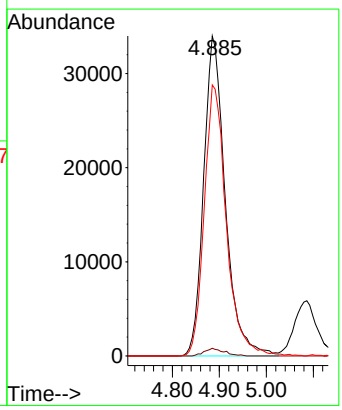


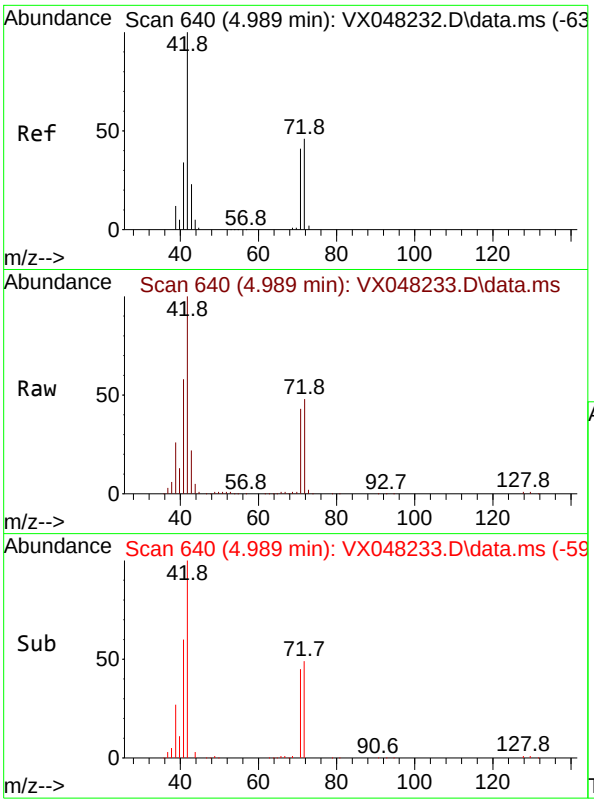


#28
Bromochloromethane
Concen: 86.505 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 49 Resp: 108536

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	86.4	59.3	88.9





#29
Tetrahydrofuran
Concen: 509.471 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

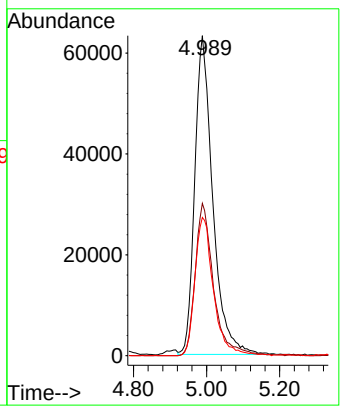
Tgt Ion: 42 Resp: 21654

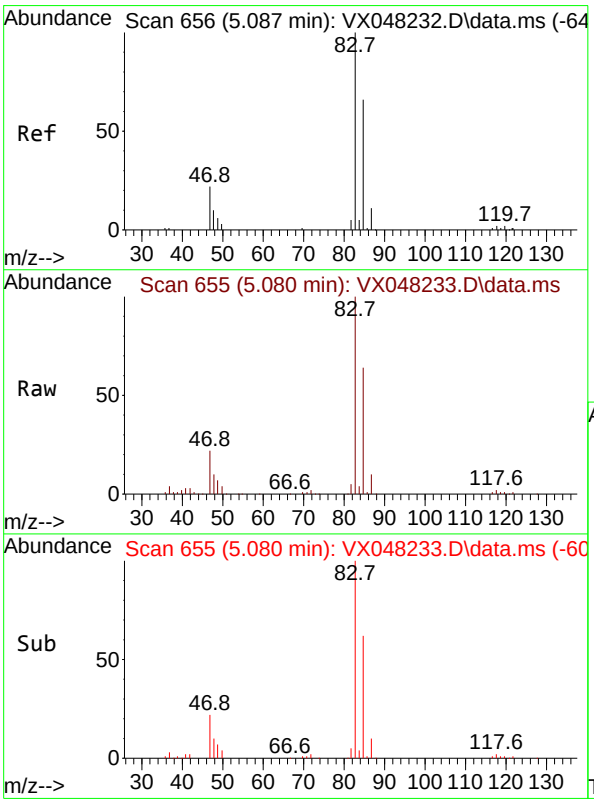
Ion	Ratio	Lower	Upper
42	100		
72	48.6	35.3	52.9
71	44.5	32.2	48.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

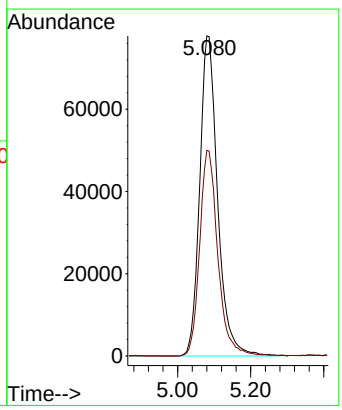


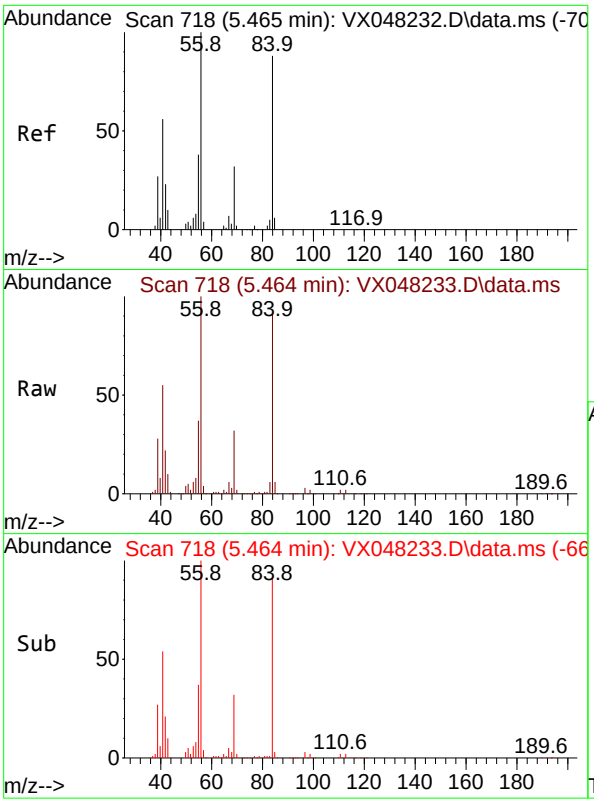


#30
Chloroform
Concen: 92.461 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 83 Resp: 264966

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.1	75.1





#31
Cyclohexane
Concen: 97.754 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

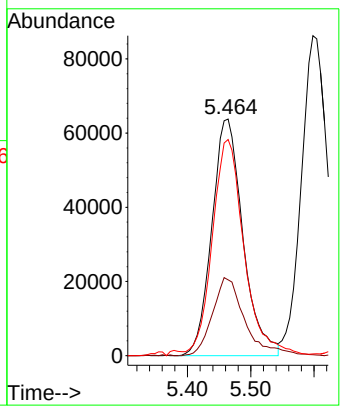
Tgt Ion: 56 Resp: 21771

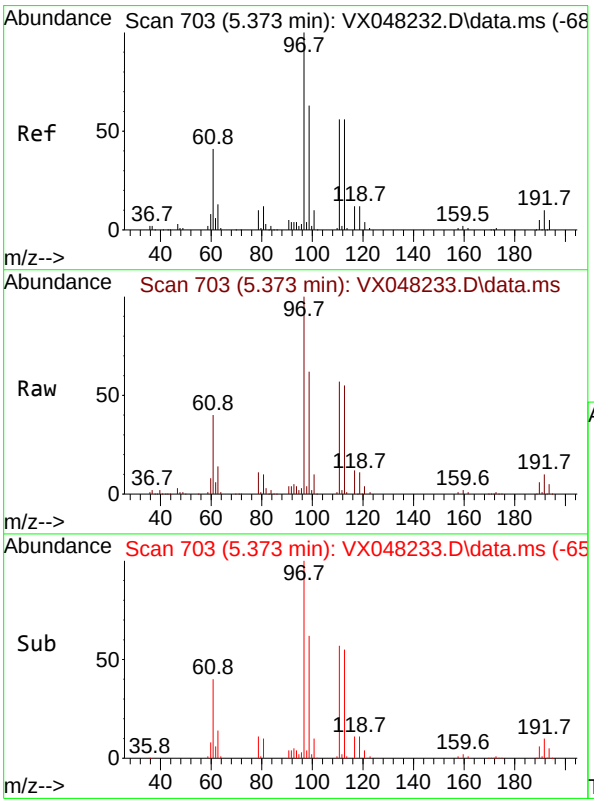
Ion	Ratio	Lower	Upper
56	100		
69	32.1	23.0	34.6
84	89.2	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

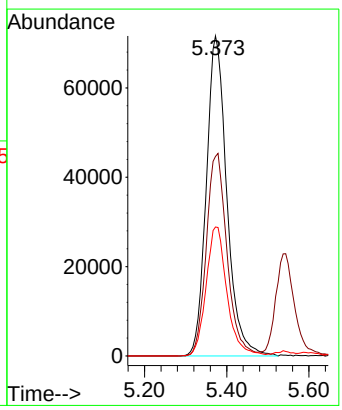


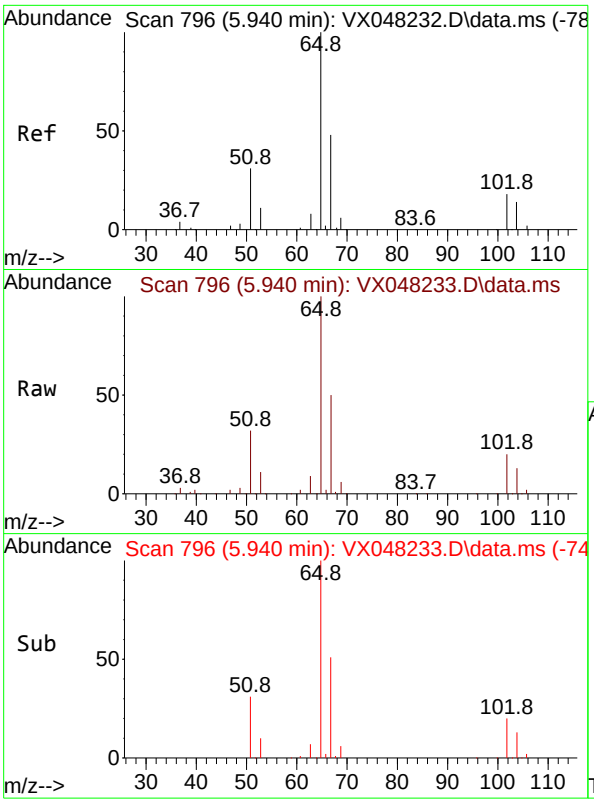


#32
1,1,1-Trichloroethane
Concen: 105.334 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 97 Resp: 248018

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	41.2	34.8	52.2

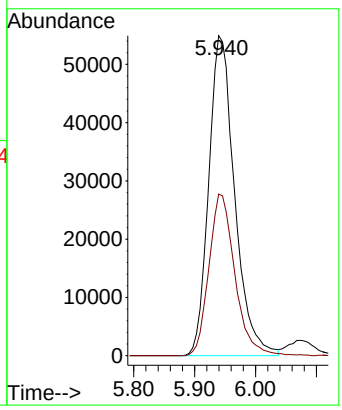




#33
1,2-Dichloroethane-d4
Concen: 89.060 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 65 Resp: 16218

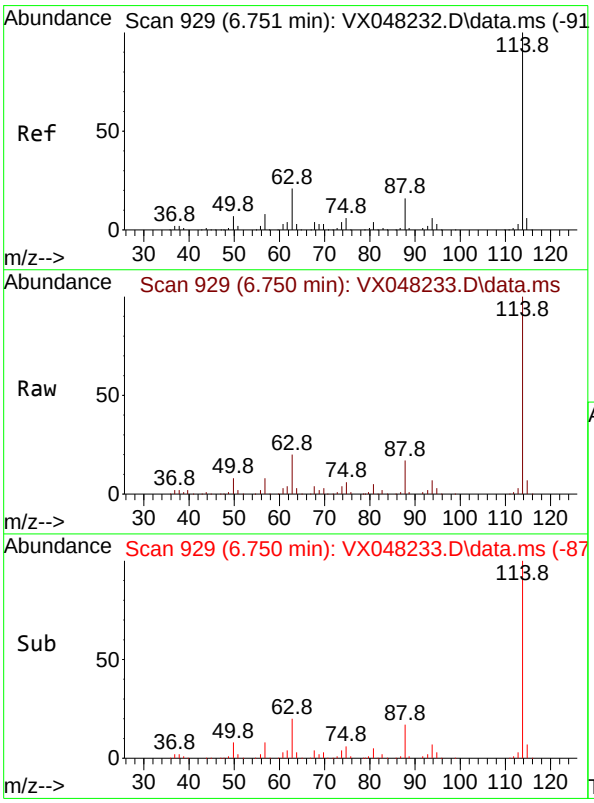
Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

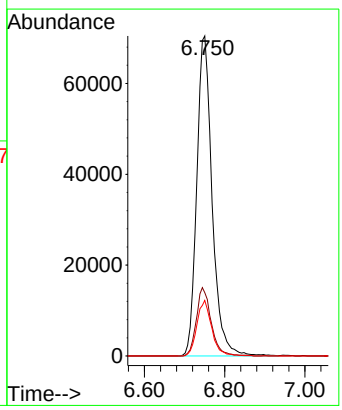
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

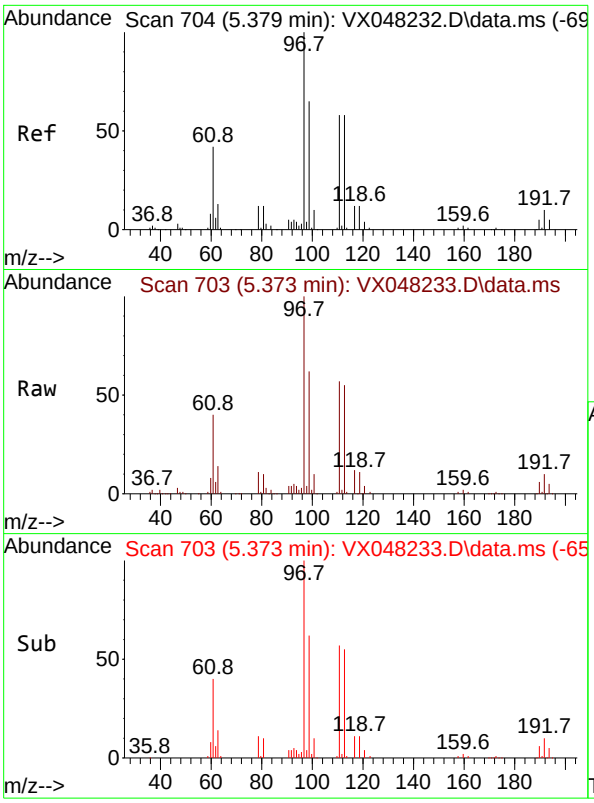


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:114 Resp: 187766

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.2
88	17.3	0.0	33.6

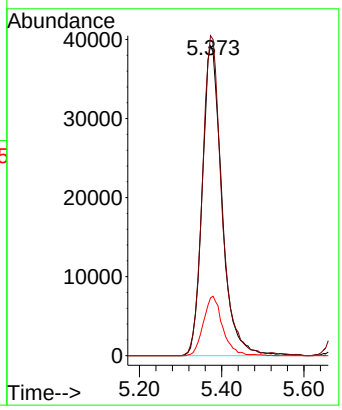




#35
Dibromofluoromethane
Concen: 99.697 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:113 Resp: 12991

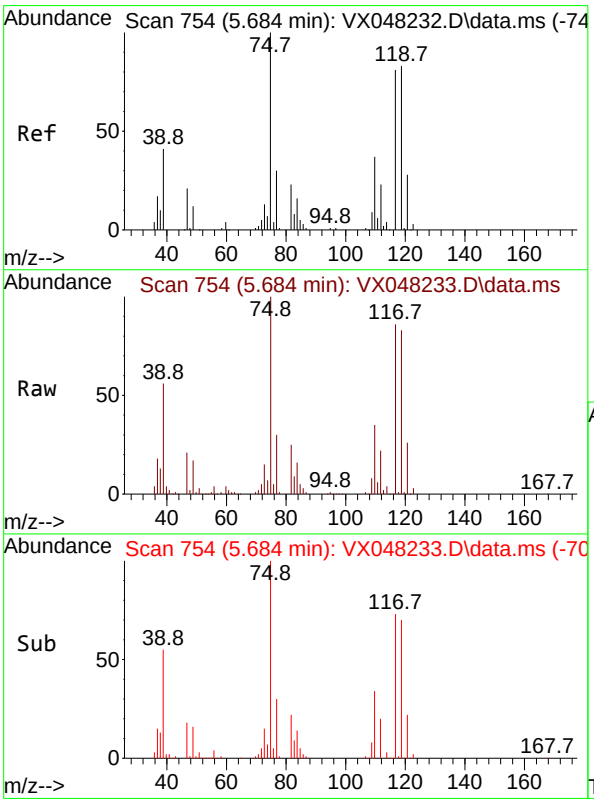
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	19.0	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

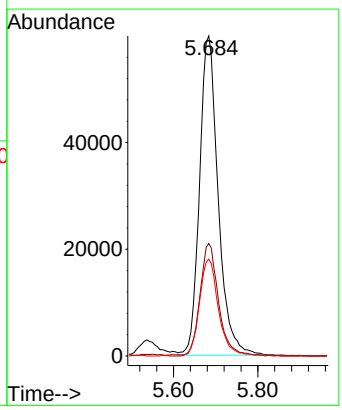
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

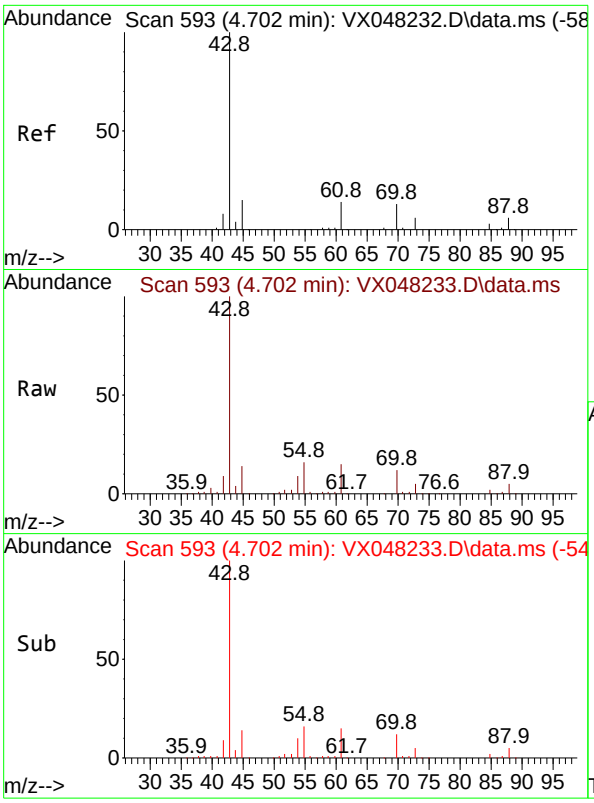


#36
1,1-Dichloropropene
Concen: 100.194 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 183932

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.7	53.1
77	30.9	24.3	36.5





#37
Ethyl Acetate
Concen: 104.863 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

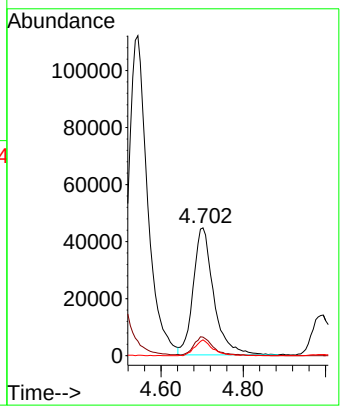
Tgt Ion: 43 Resp: 15384

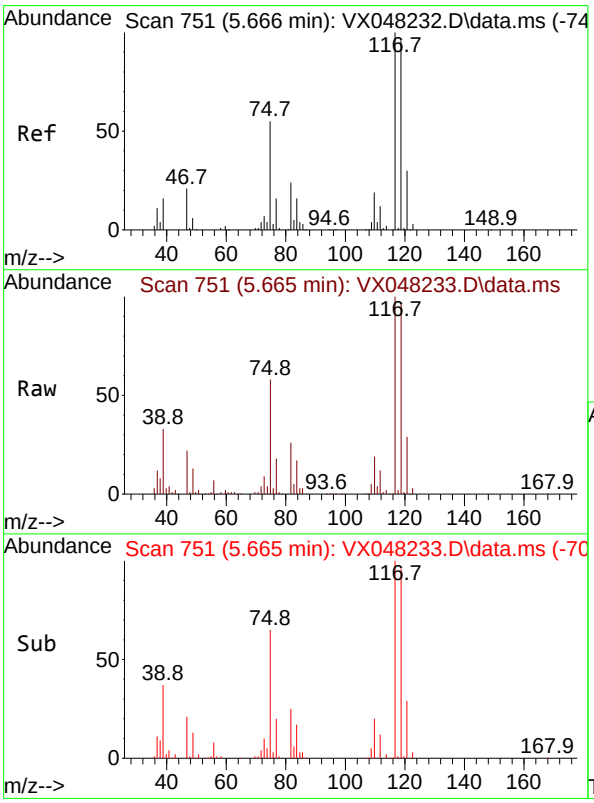
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.6	15.8
70	10.7	7.8	11.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

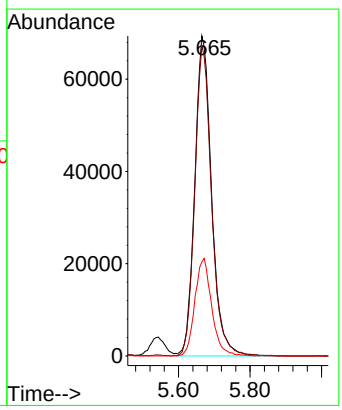


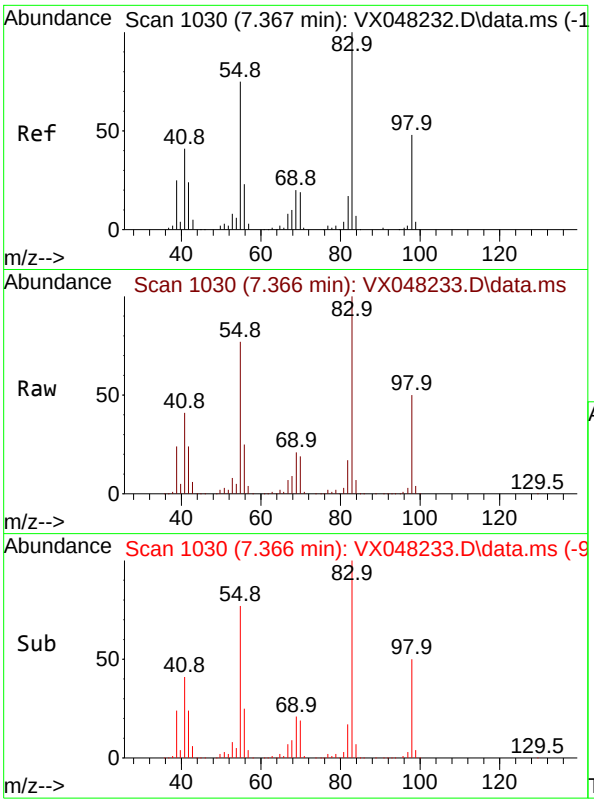


#38
Carbon Tetrachloride
Concen: 107.719 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:117 Resp: 226976

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.2	115.8
121	29.4	24.8	37.2

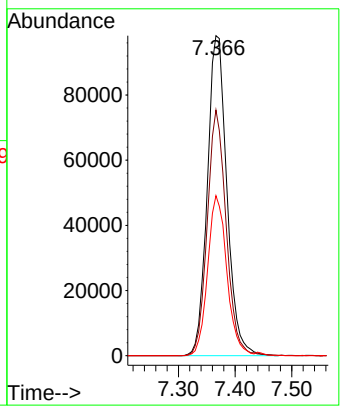




#39
Methylcyclohexane
Concen: 113.637 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 83 Resp: 23520

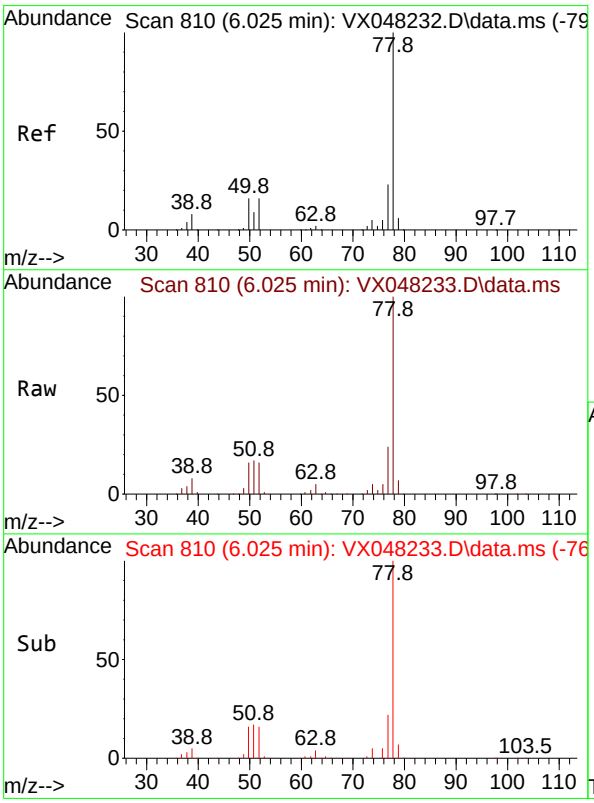
Ion	Ratio	Lower	Upper
83	100		
55	76.8	66.2	99.2
98	50.0	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

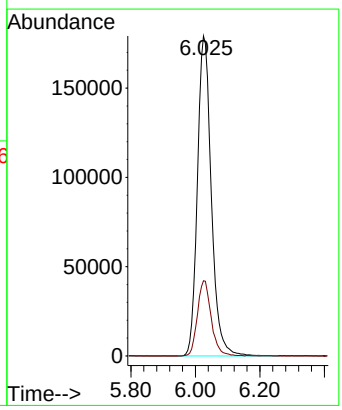
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

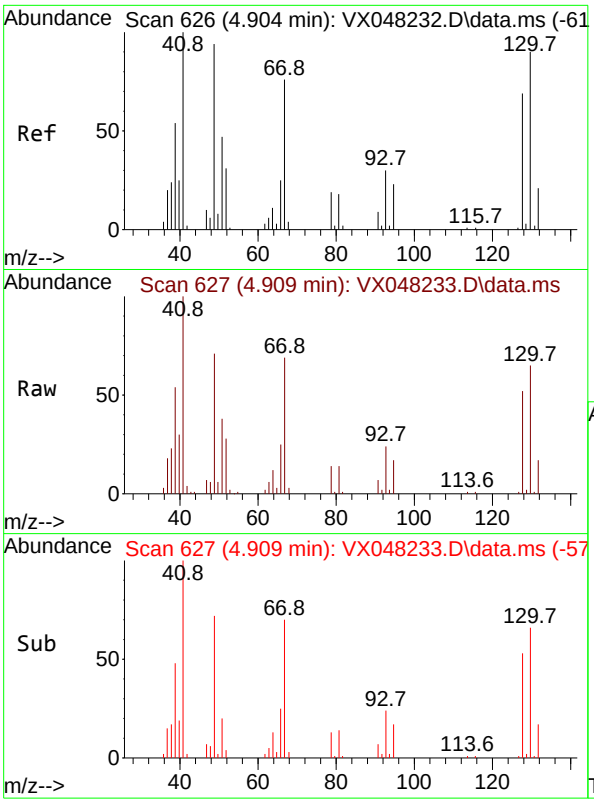


#40
Benzene
Concen: 98.221 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 78 Resp: 535407

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9

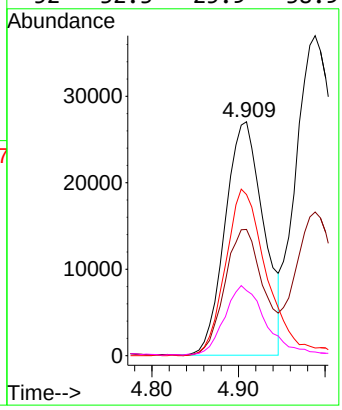




#41
Methacrylonitrile
Concen: 106.641 ug/l
RT: 4.909 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 41 Resp: 8379

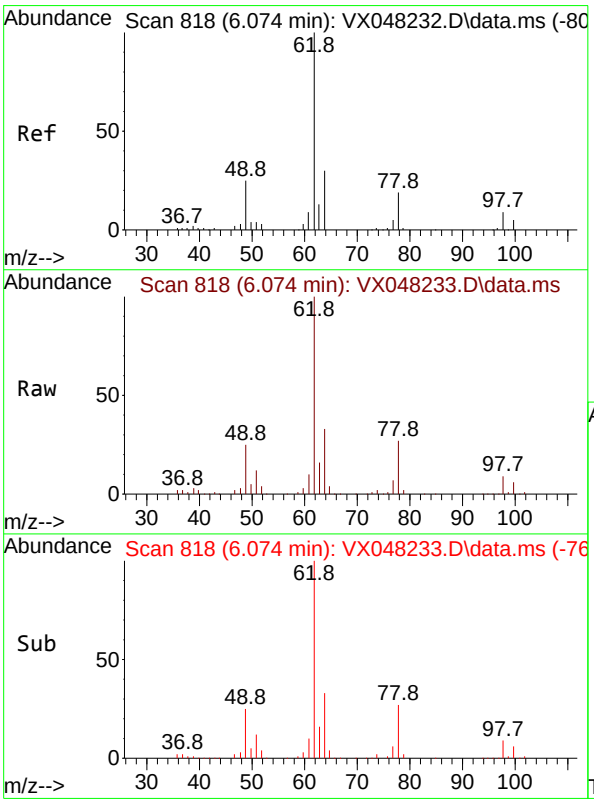
Ion	Ratio	Lower	Upper
41	100		
39	54.4	44.0	66.0
67	77.7	58.7	88.1
52	32.3	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

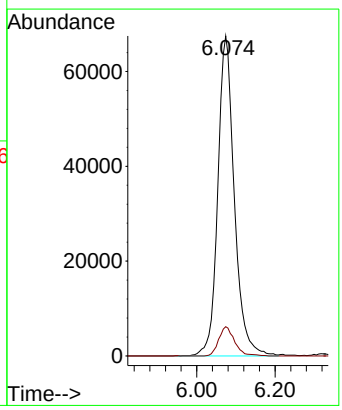
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

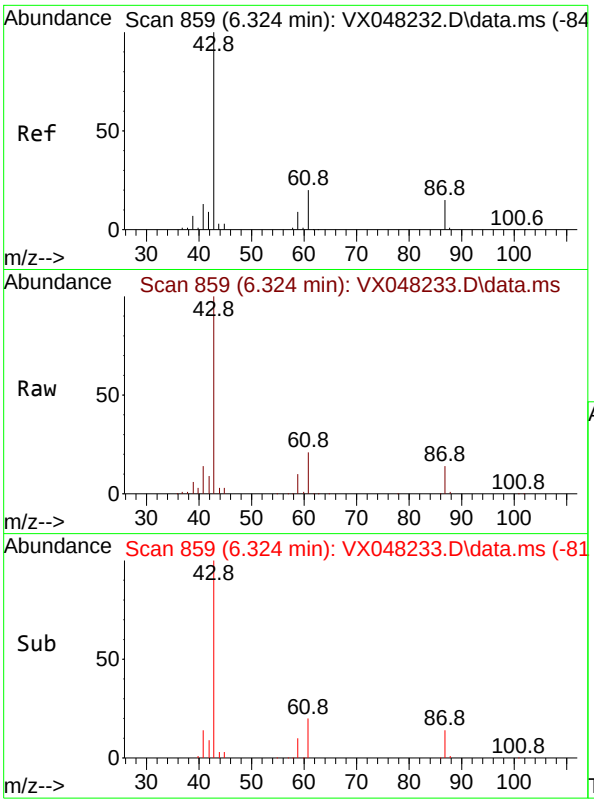


#42
1,2-Dichloroethane
Concen: 101.562 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 62 Resp: 198348

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.2

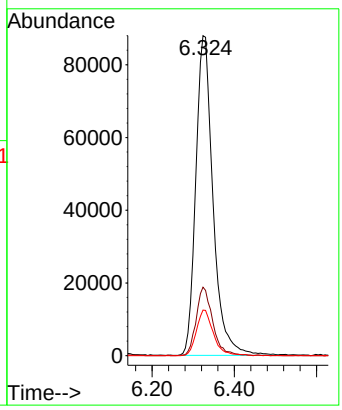




#43
Isopropyl Acetate
Concen: 103.976 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 25606

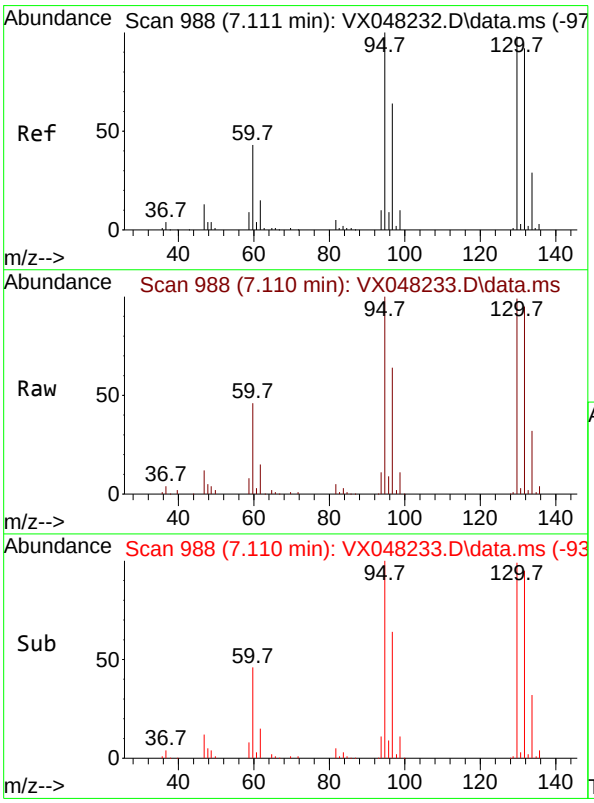
Ion	Ratio	Lower	Upper
43	100		
61	20.5	14.9	22.3
87	14.0	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

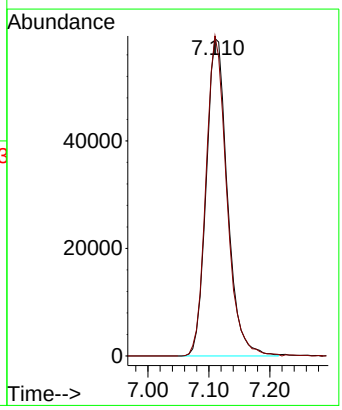
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

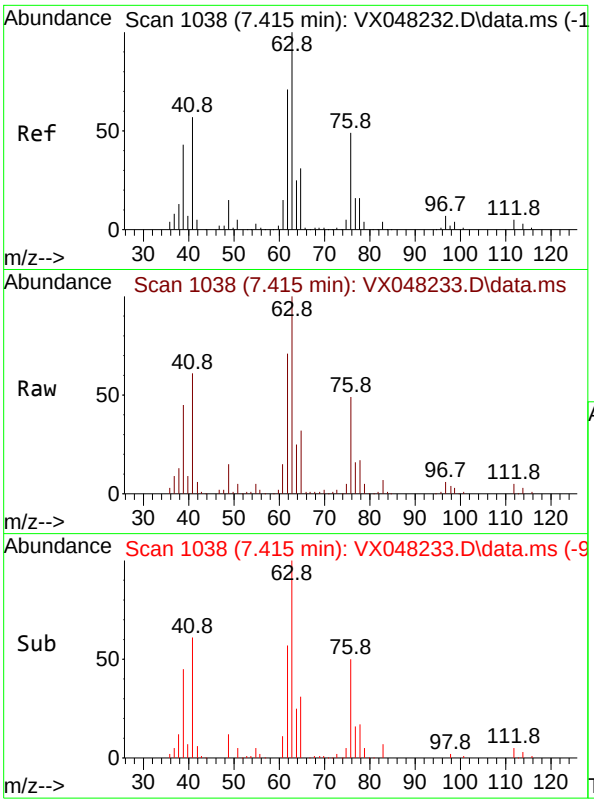


#44
Trichloroethene
Concen: 103.931 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:130 Resp: 142779

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	200.6





#45
1,2-Dichloropropane
Concen: 94.368 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

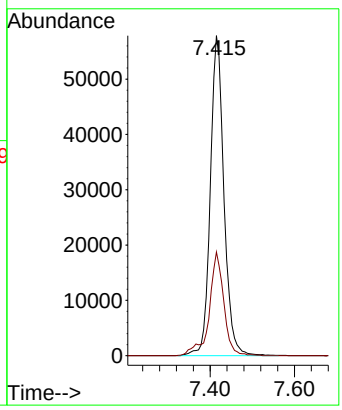
Tgt Ion: 63 Resp: 13018

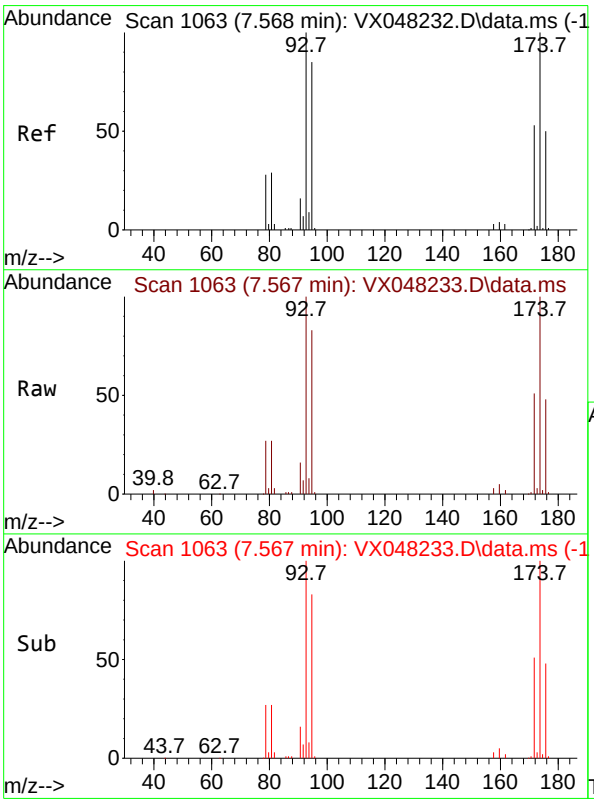
Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

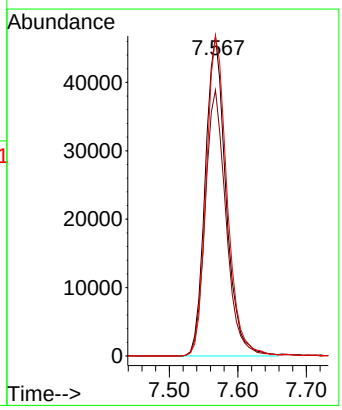


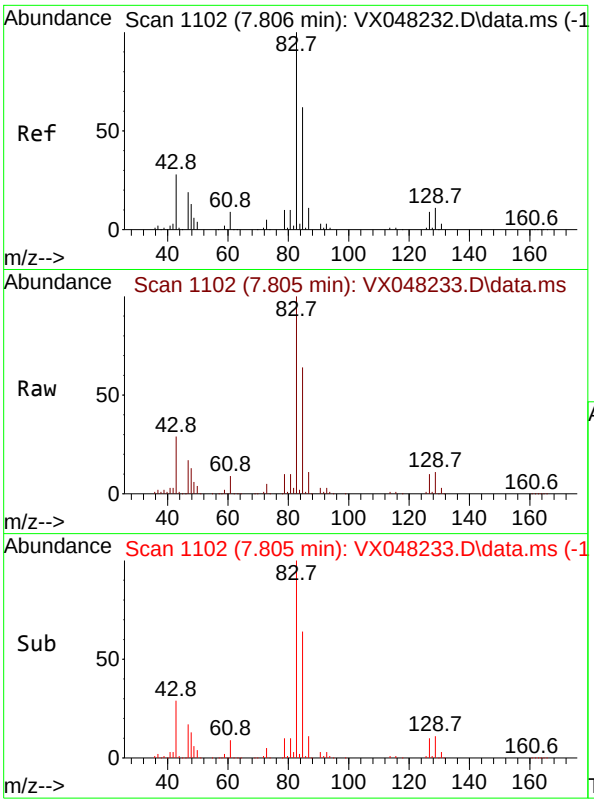


#46
Dibromomethane
Concen: 98.835 ug/l
RT: 7.567 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 93 Resp: 98105

Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.9	98.9
174	100.3	71.7	107.5

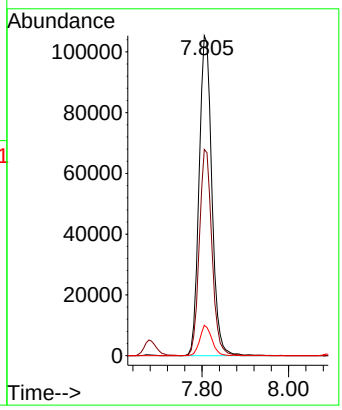




#47
Bromodichloromethane
Concen: 100.358 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 83 Resp: 21530

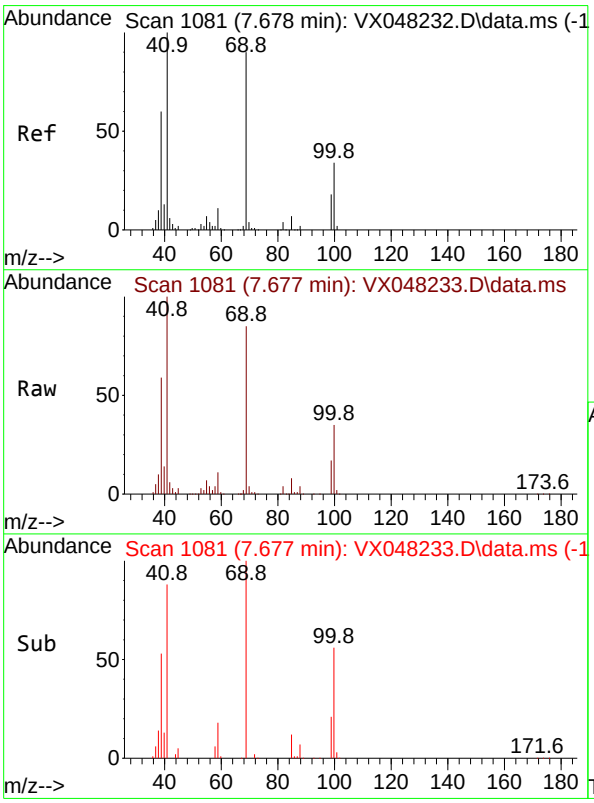
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.4
127	9.5	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

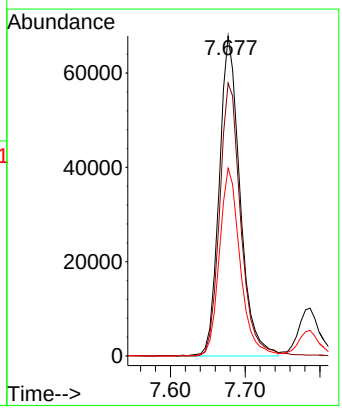
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

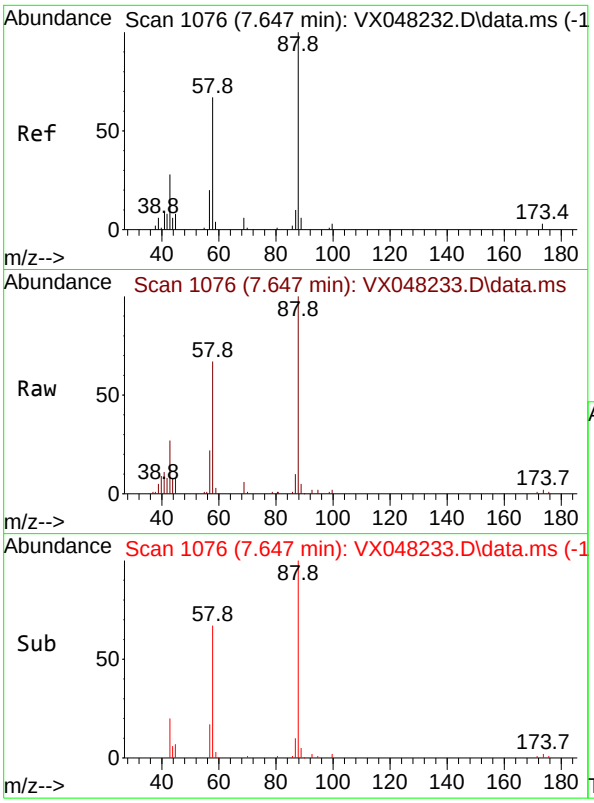


#48
Methyl methacrylate
Concen: 104.272 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 41 Resp: 131454

Ion	Ratio	Lower	Upper
41	100		
69	86.8	63.4	95.0
39	58.7	47.1	70.7





#49
1,4-Dioxane
Concen: 3169.845 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

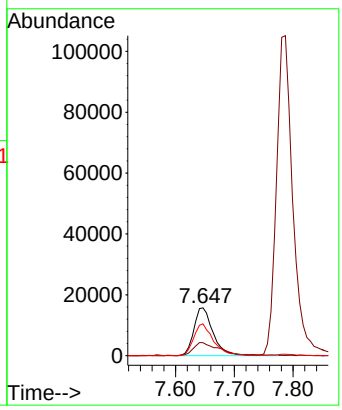
Tgt Ion: 88 Resp: 3597

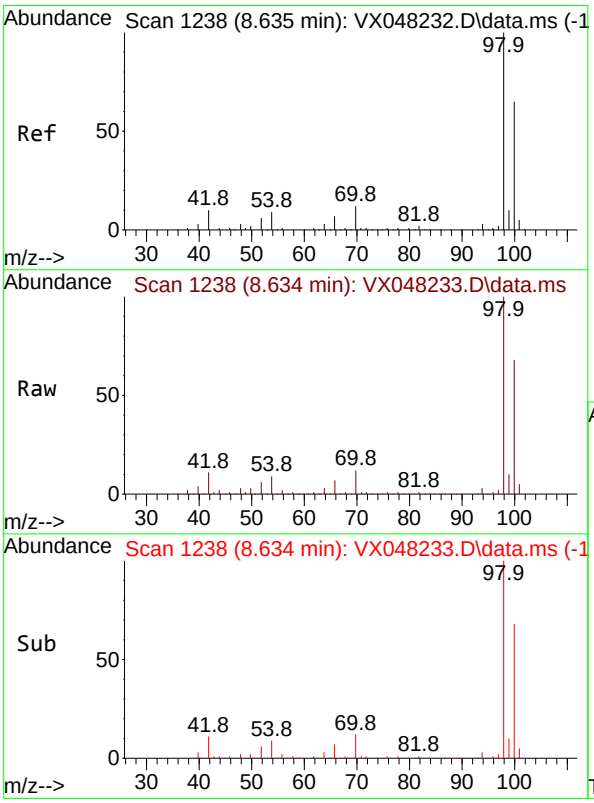
Ion	Ratio	Lower	Upper
88	100		
43	36.6	35.0	52.4
58	68.4	61.9	92.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

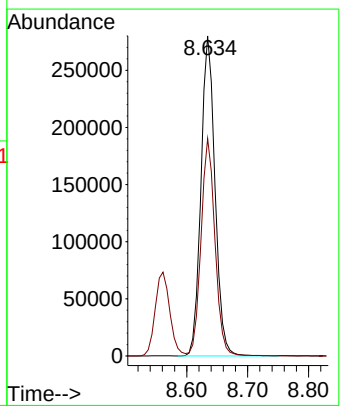


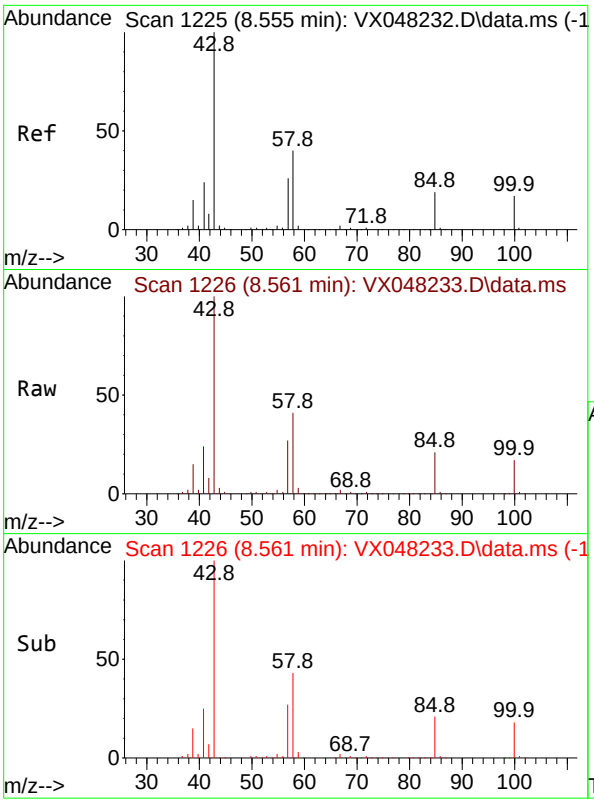


#50
Toluene-d8
Concen: 95.629 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 98 Resp: 448948

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 526.103 ug/l
RT: 8.561 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

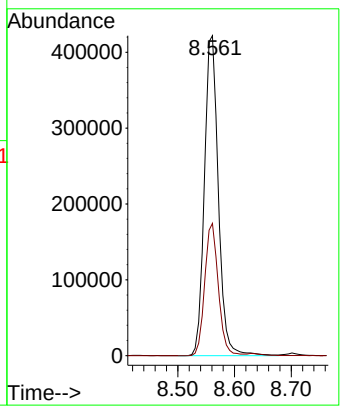
Tgt Ion: 43 Resp: 72098

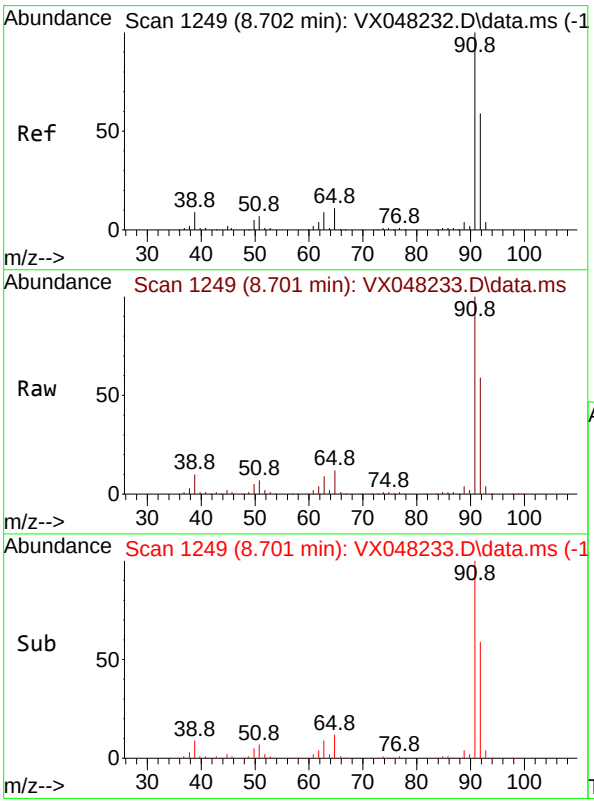
Ion	Ratio	Lower	Upper
43	100		
58	40.4	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

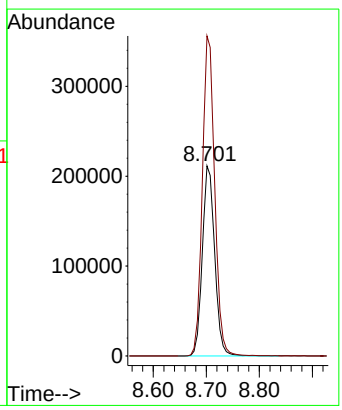


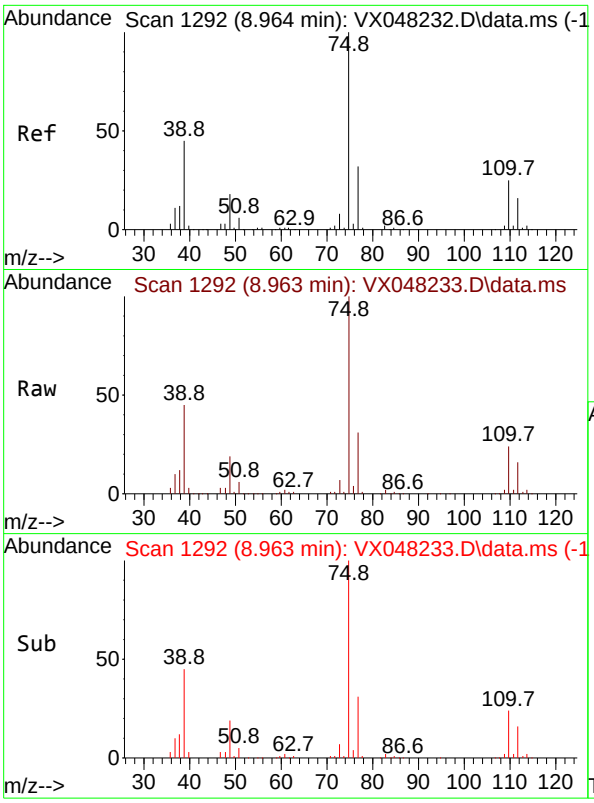


#52
Toluene
Concen: 104.263 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 92 Resp: 341597

Ion	Ratio	Lower	Upper
92	100		
91	168.2	136.1	204.1

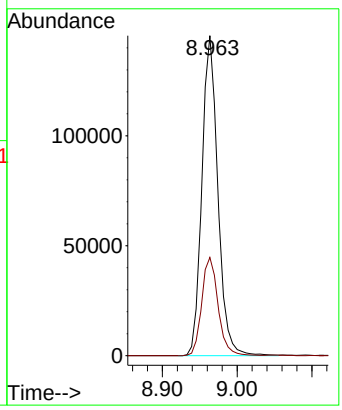




#53
t-1,3-Dichloropropene
Concen: 107.341 ug/l
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 21573

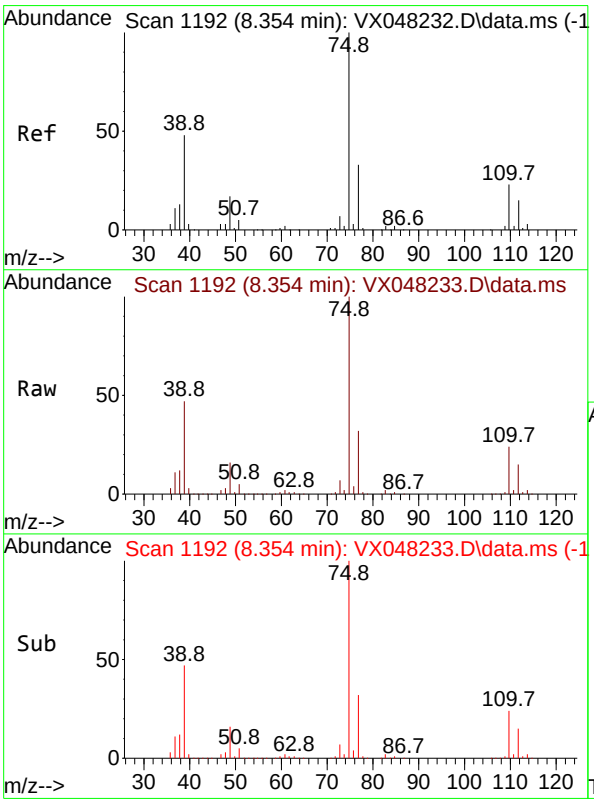
Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

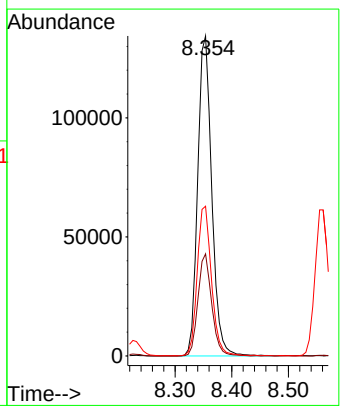
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

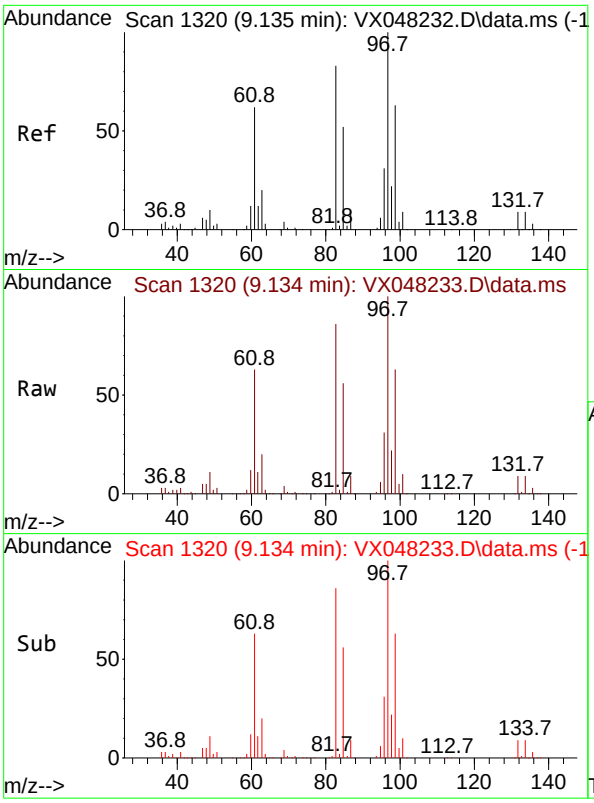


#54
cis-1,3-Dichloropropene
Concen: 105.465 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 231037

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	46.7	42.6	64.0

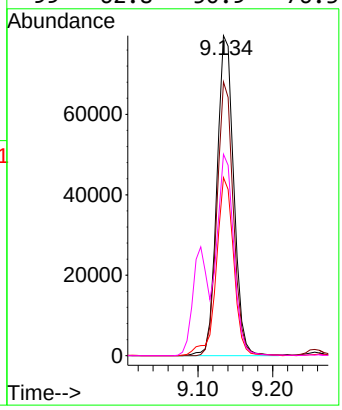




#55
1,1,2-Trichloroethane
Concen: 102.180 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 97 Resp: 12491

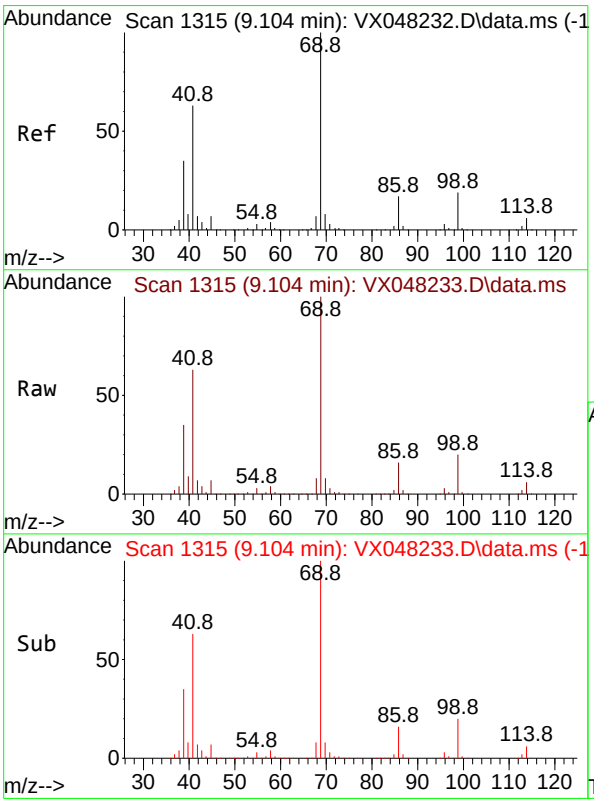
Ion	Ratio	Lower	Upper
97	100		
83	85.5	70.6	105.8
85	55.7	45.0	67.6
99	62.8	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

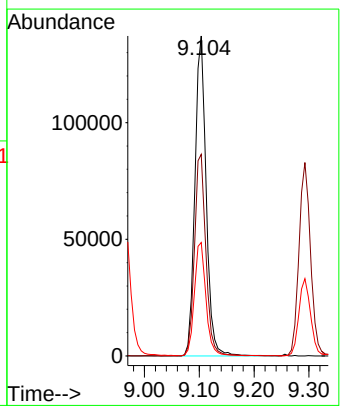
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

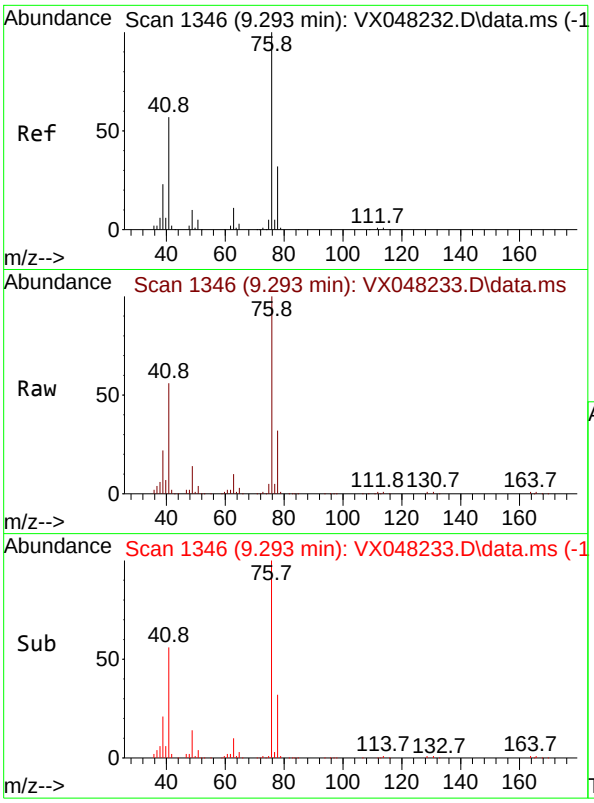


#56
Ethyl methacrylate
Concen: 118.305 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 69 Resp: 196699

Ion	Ratio	Lower	Upper
69	100		
41	64.0	56.0	84.0
39	36.7	31.6	47.4





#57
1,3-Dichloropropane
Concen: 100.598 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

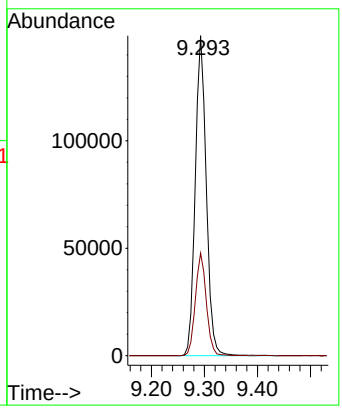
Tgt Ion: 76 Resp: 21485

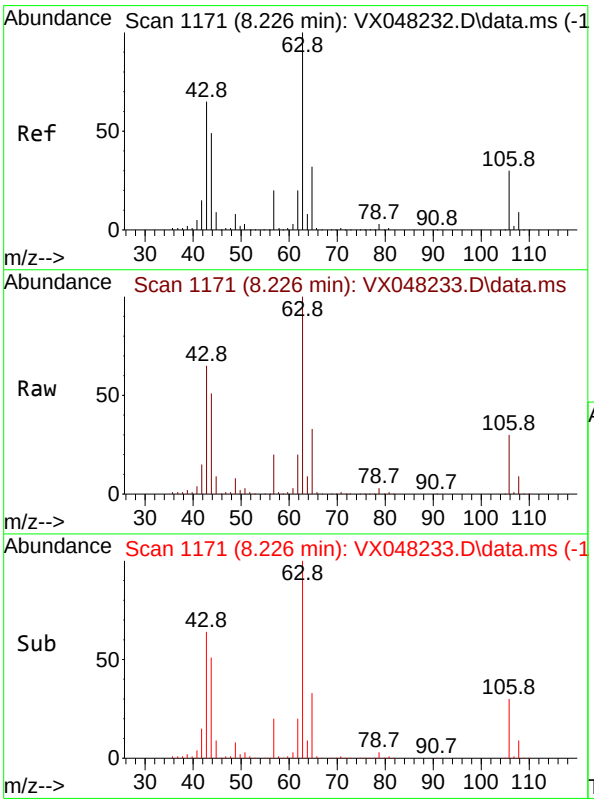
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

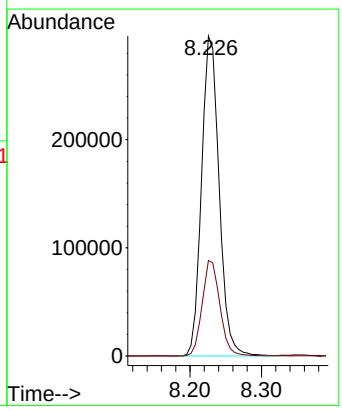


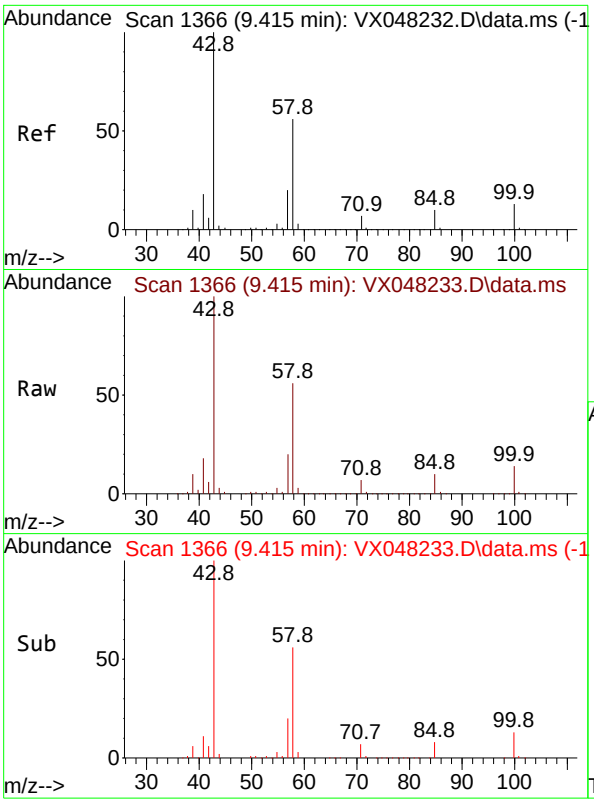


#58
2-Chloroethyl Vinyl ether
Concen: 592.044 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 63 Resp: 505448

Ion	Ratio	Lower	Upper
63	100		
106	30.0	22.2	33.2





#59
2-Hexanone
Concen: 531.416 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

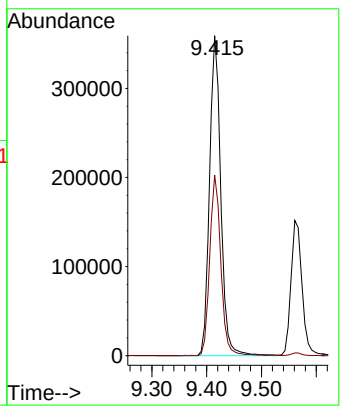
Tgt Ion: 43 Resp: 50939

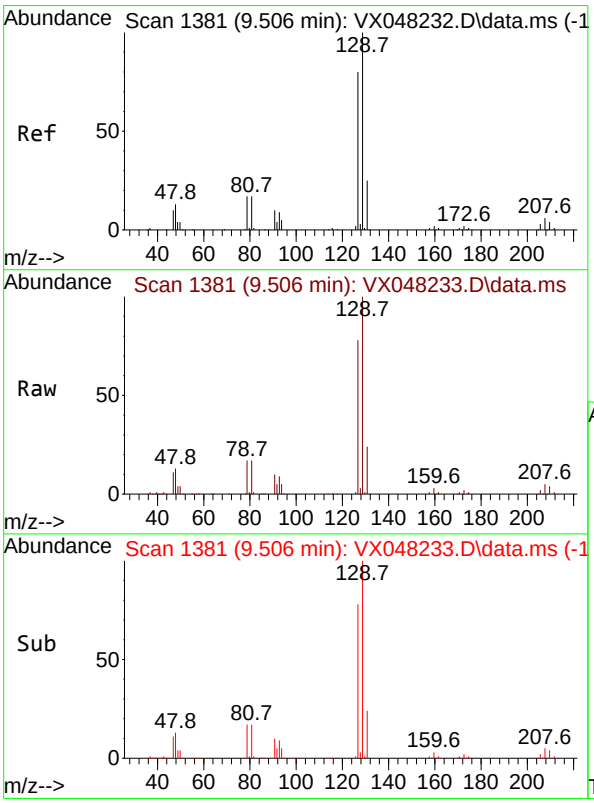
Ion	Ratio	Lower	Upper
43	100		
58	55.8	26.3	78.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

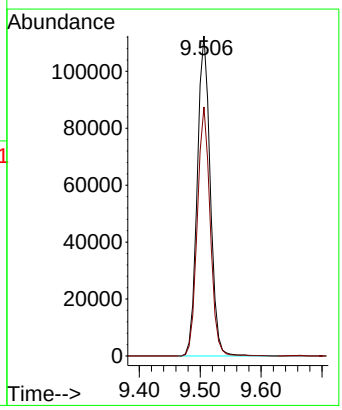


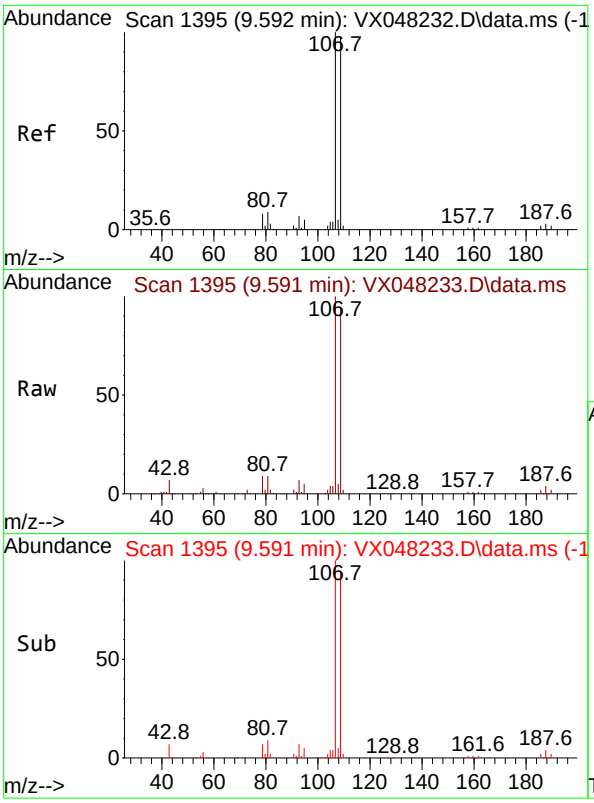


#60
Dibromochloromethane
Concen: 108.598 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:129 Resp: 166167

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.7





#61
1,2-Dibromoethane
Concen: 107.431 ug/l
RT: 9.591 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

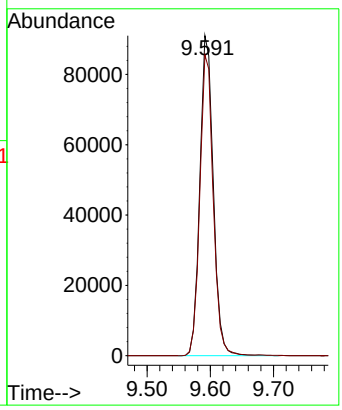
Tgt Ion:107 Resp: 13466

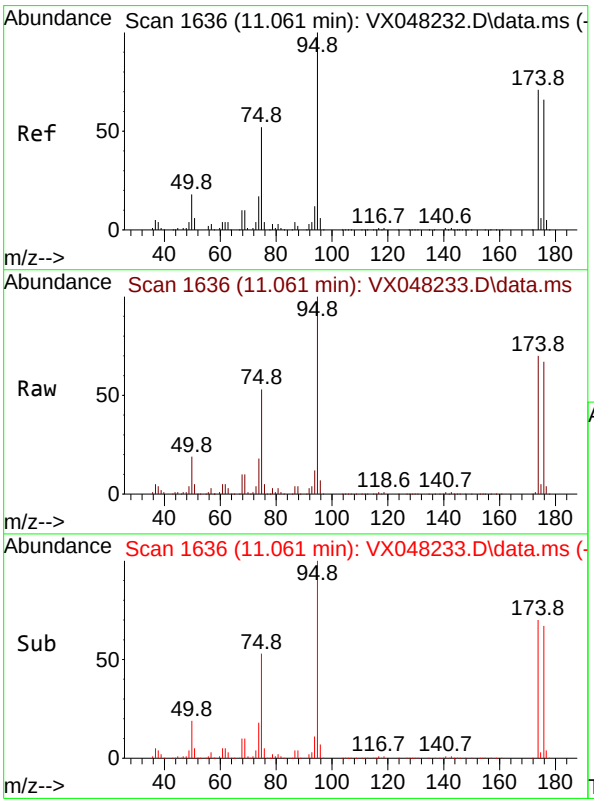
Ion	Ratio	Lower	Upper
107	100		
109	93.7	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

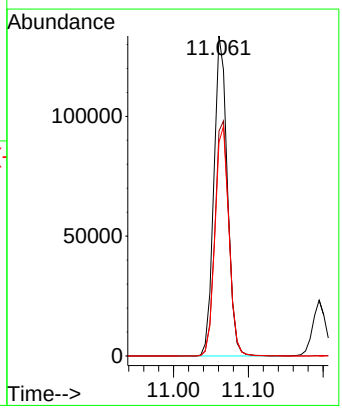


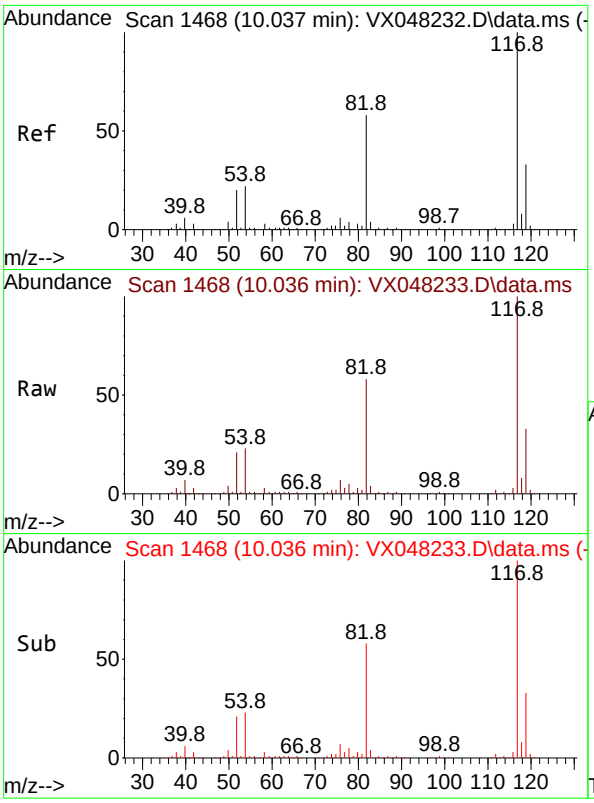


#62
4-Bromofluorobenzene
Concen: 97.996 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 95 Resp: 167565

Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	147.8
176	74.1	0.0	142.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

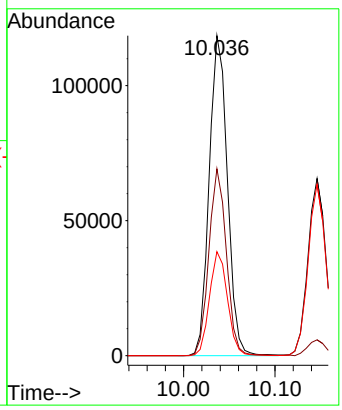
Tgt Ion:117 Resp: 16358

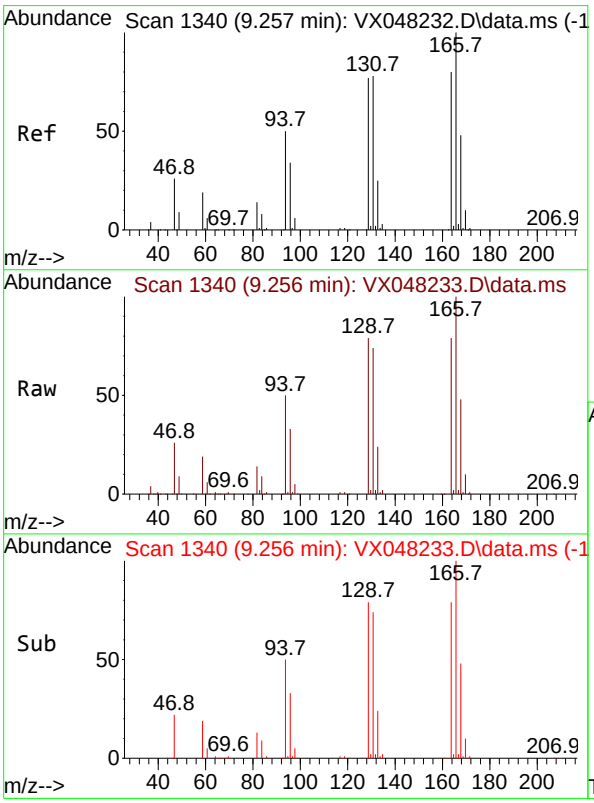
Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.5	69.7
119	32.5	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
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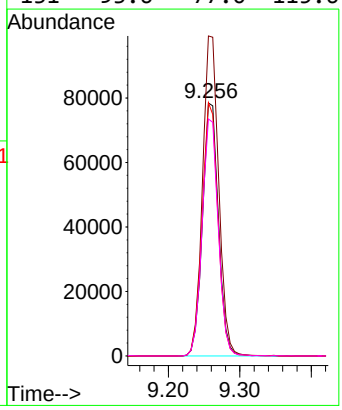


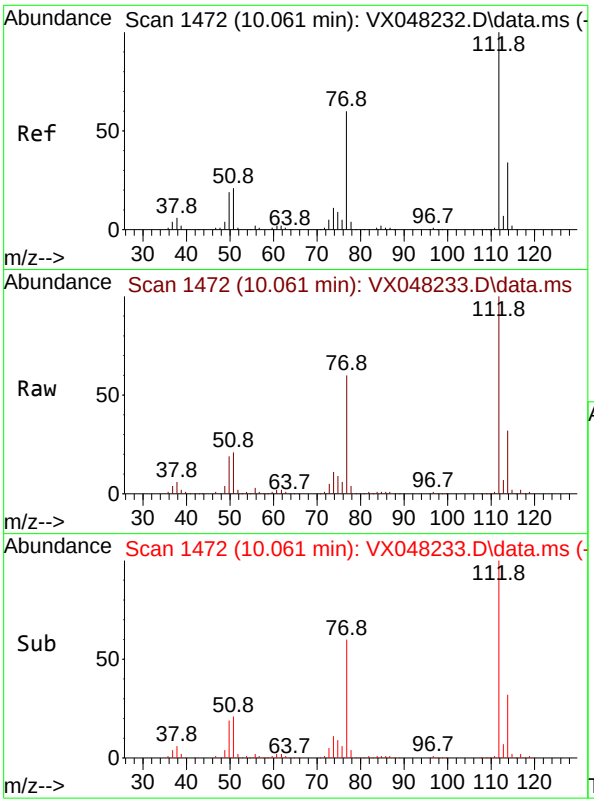


#64
Tetrachloroethene
Concen: 105.633 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:164 Resp: 121163

Ion	Ratio	Lower	Upper
164	100		
166	126.5	104.5	156.7
129	100.1	81.8	122.6
131	93.6	77.0	115.6

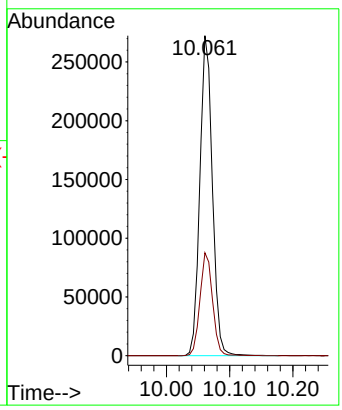




#65
Chlorobenzene
Concen: 104.990 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:112 Resp: 37553

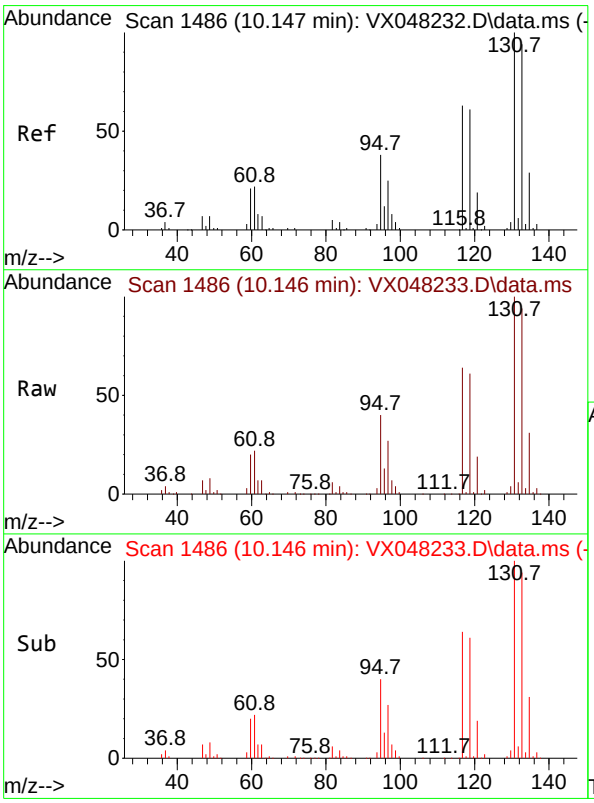
Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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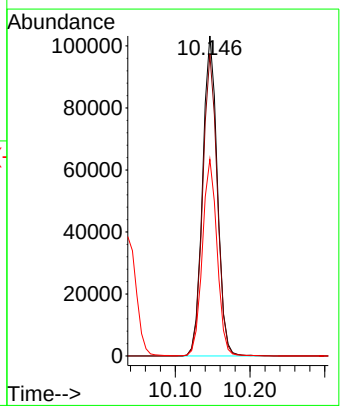
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

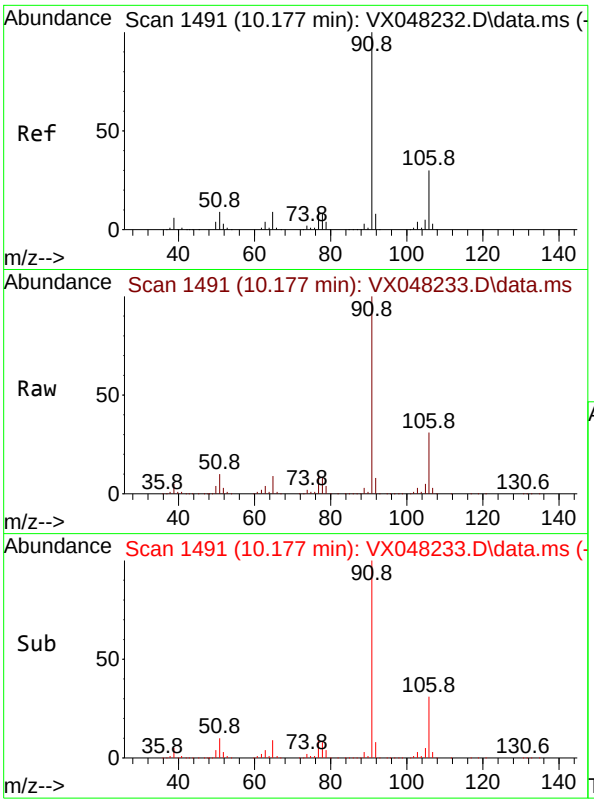


#66
1,1,1,2-Tetrachloroethane
Concen: 109.080 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:131 Resp: 140599

Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.6	142.8
119	61.6	32.5	97.5





#67
Ethyl Benzene
Concen: 107.128 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

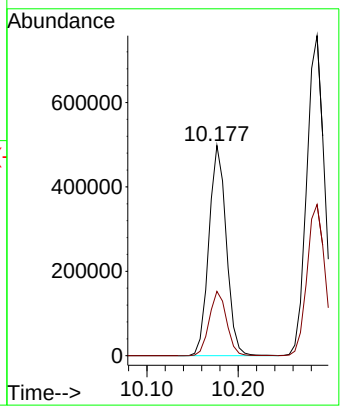
Tgt Ion: 91 Resp: 65692

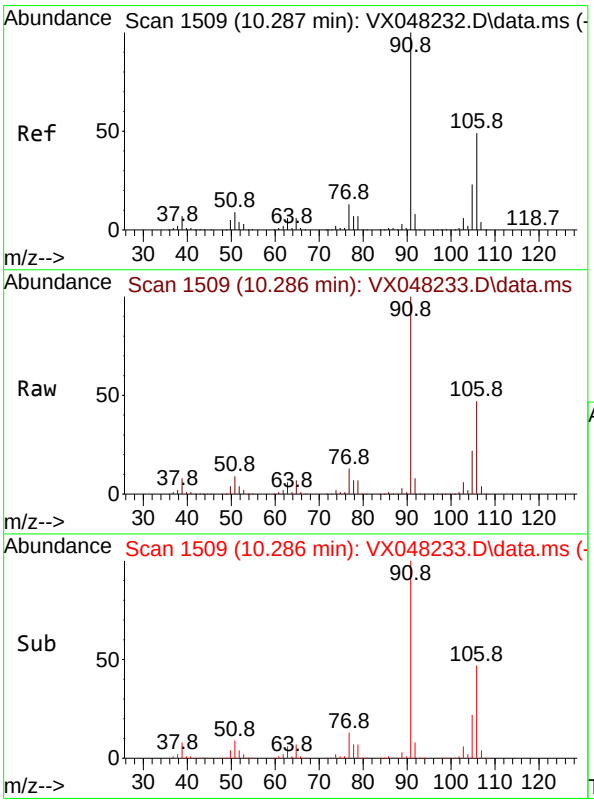
Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

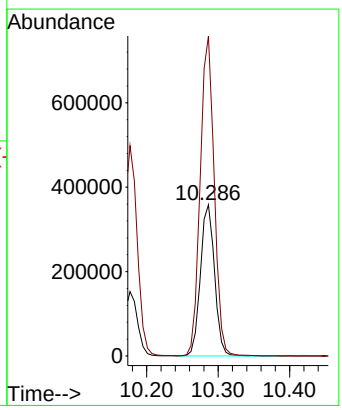


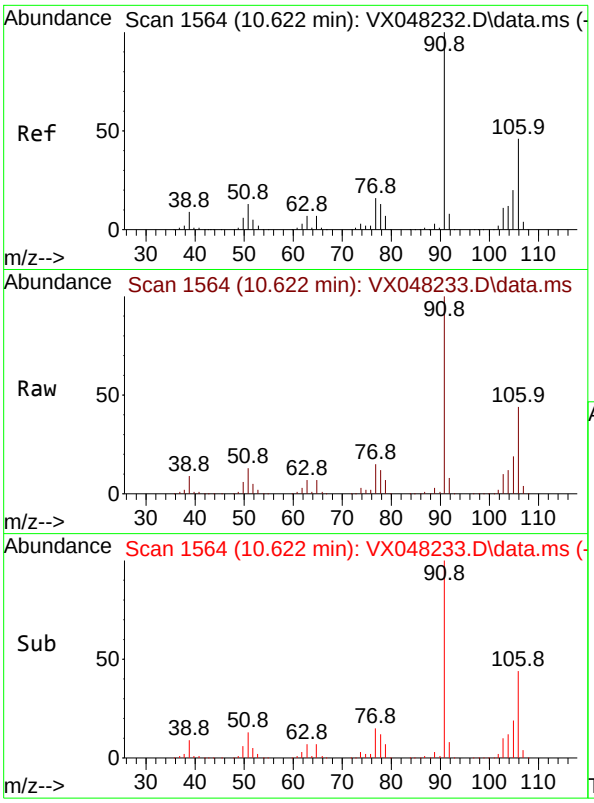


#68
m/p-Xylenes
Concen: 214.875 ug/l
RT: 10.286 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:106 Resp: 490879

Ion	Ratio	Lower	Upper
106	100		
91	210.5	167.9	251.9





#69
o-Xylene
Concen: 110.042 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

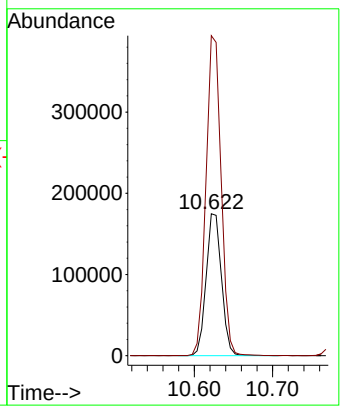
Tgt Ion:106 Resp: 23664

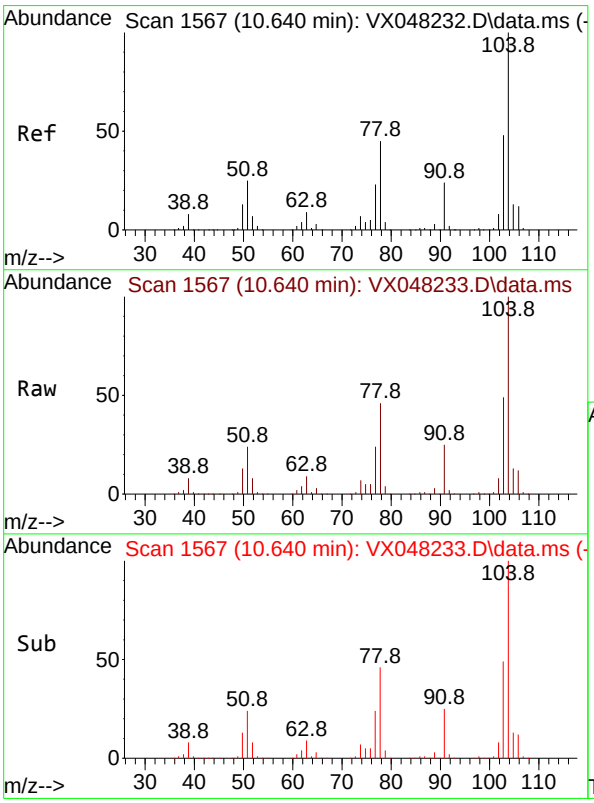
Ion	Ratio	Lower	Upper
106	100		
91	222.9	111.3	333.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
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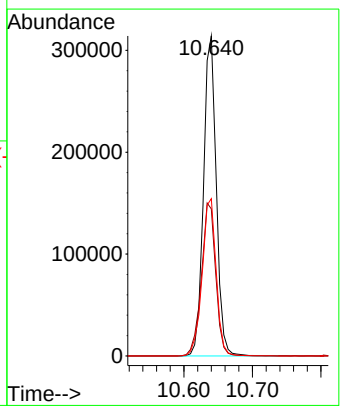


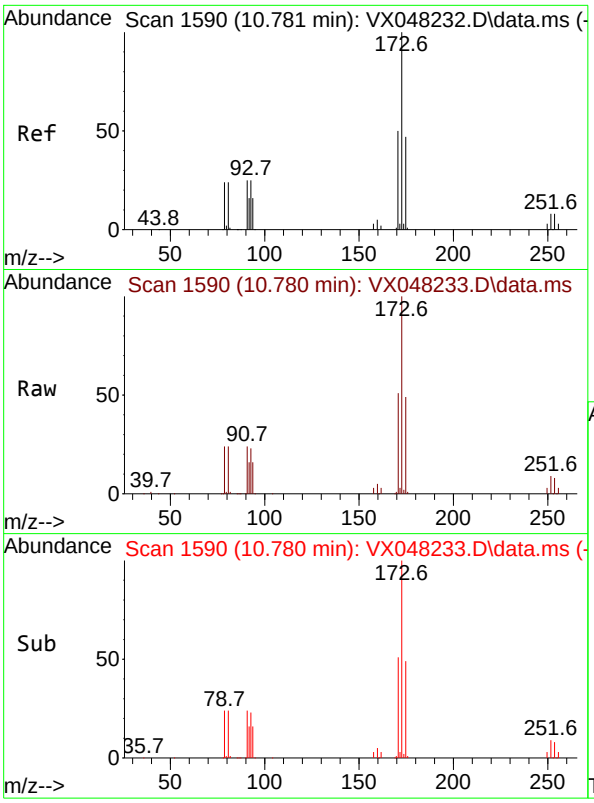


#70
Styrene
Concen: 110.197 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:104 Resp: 407916

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	54.0	43.0	64.4

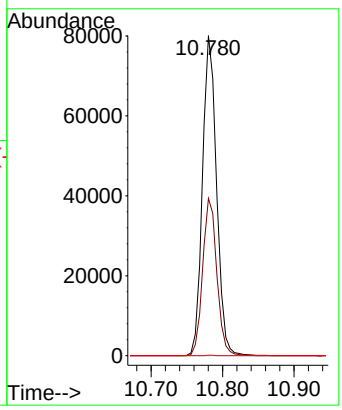




#71
Bromoform
Concen: 115.806 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:173 Resp: 10961

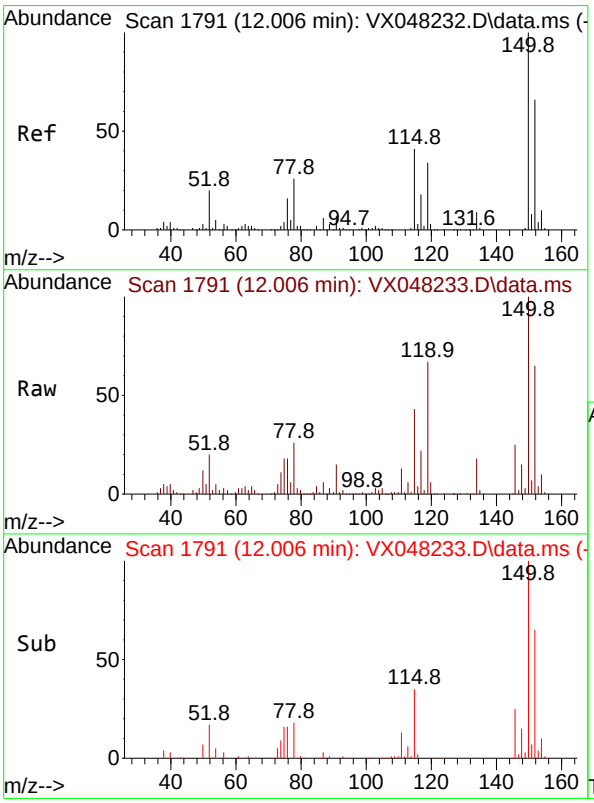
Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.0	72.0
254	0.1	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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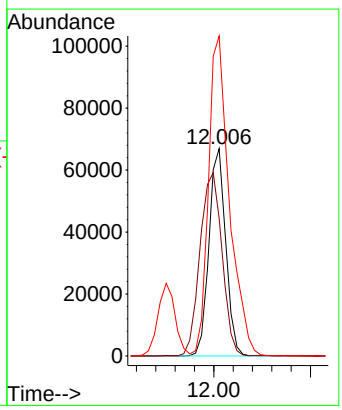
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

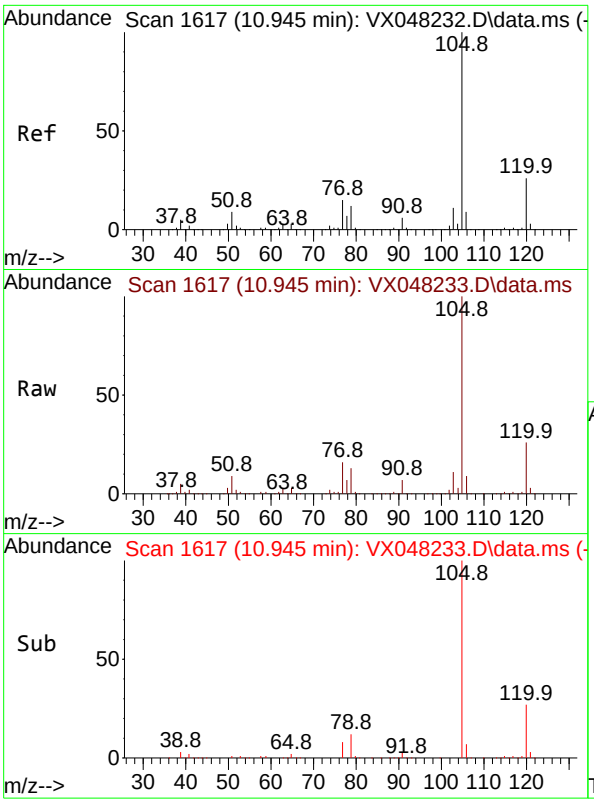


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:152 Resp: 80621

Ion	Ratio	Lower	Upper
152	100		
115	116.4	43.1	129.4
150	192.6	0.0	353.0





#73
Isopropylbenzene
Concen: 111.418 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

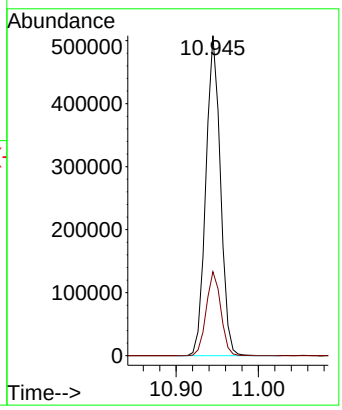
Tgt Ion:105 Resp: 62476

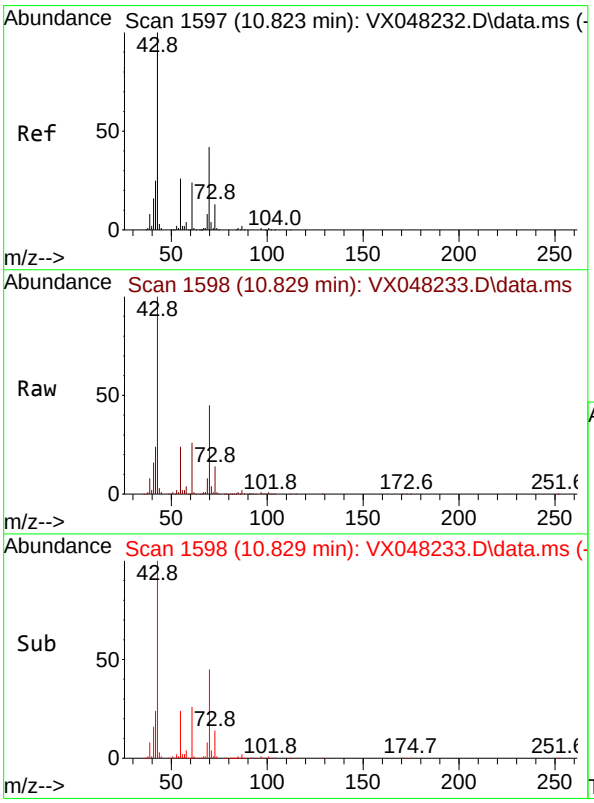
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

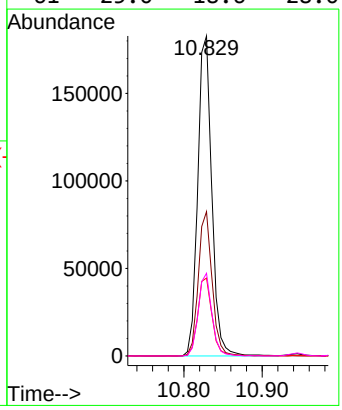


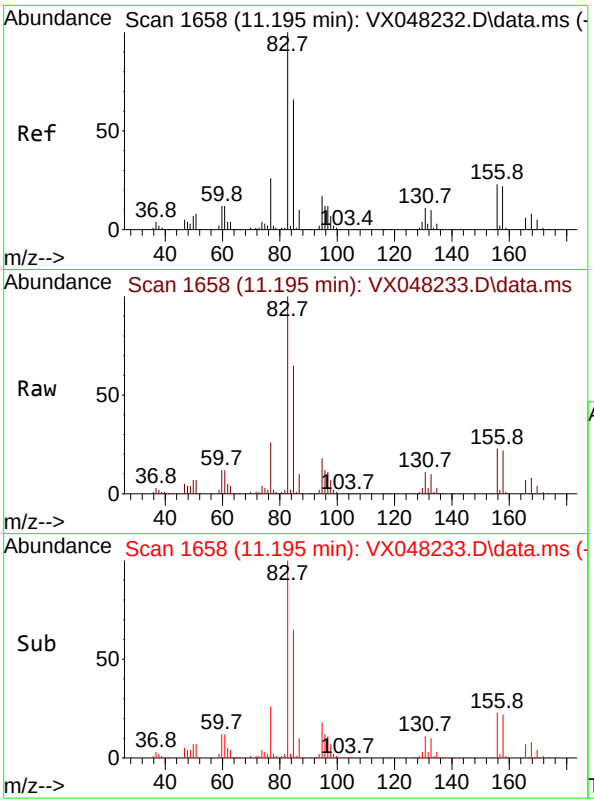


#74
N-amyl acetate
Concen: 109.030 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 43 Resp: 228080

Ion	Ratio	Lower	Upper
43	100		
70	44.4	32.2	48.2
55	24.8	19.1	28.7
61	25.0	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 103.367 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

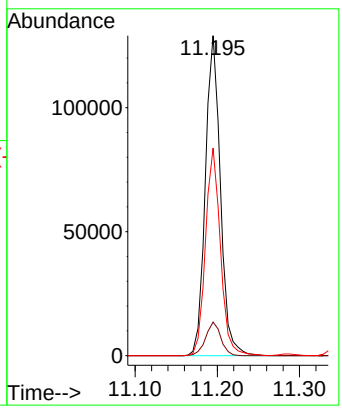
Tgt Ion: 83 Resp: 16420

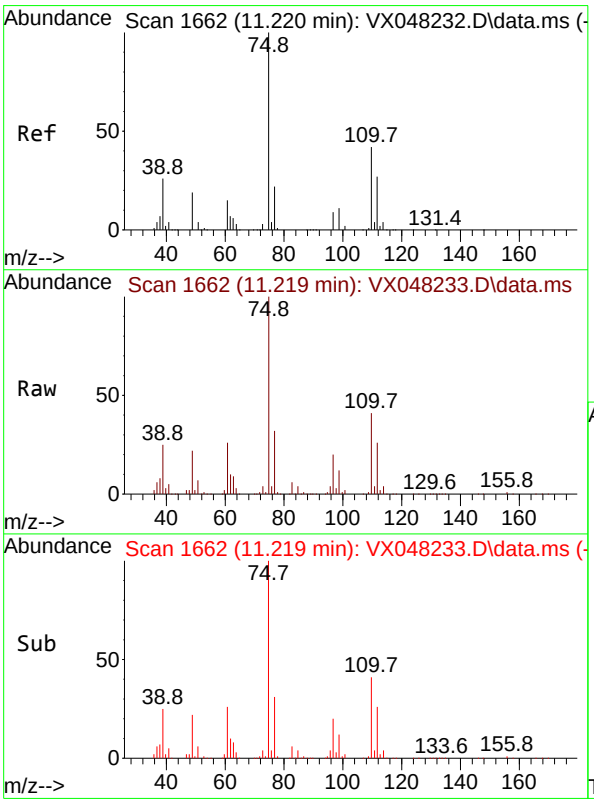
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.8	14.4
85	64.4	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

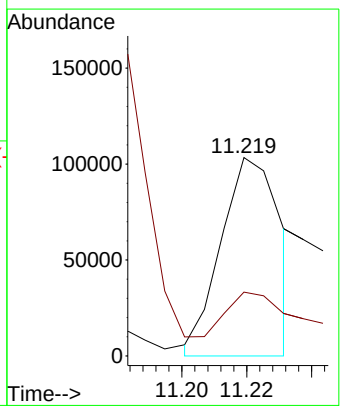


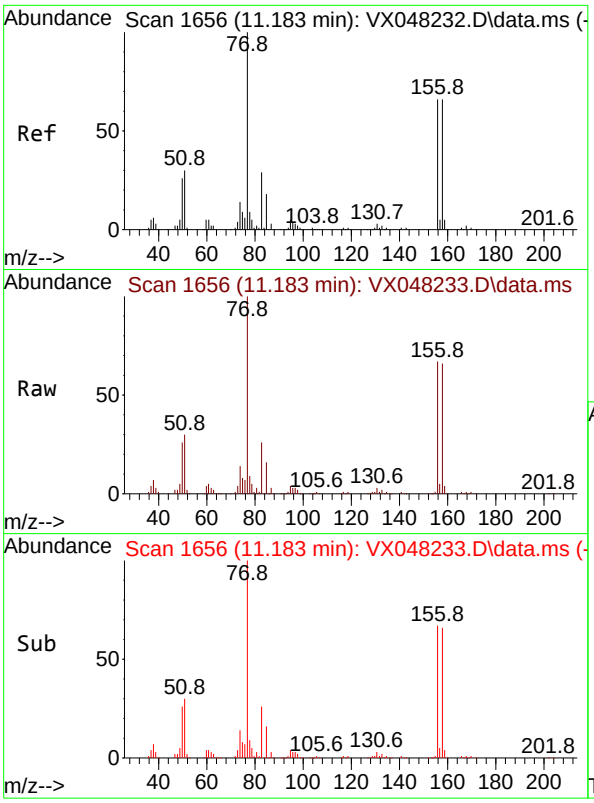


#76
1,2,3-Trichloropropane
Concen: 106.083 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 130599

Ion	Ratio	Lower	Upper
75	100		
77	45.0	22.4	67.2





#77
Bromobenzene
Concen: 109.475 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

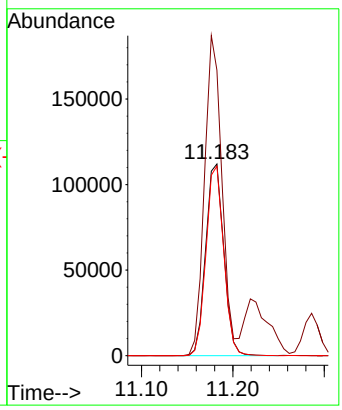
Tgt Ion:156 Resp: 153619

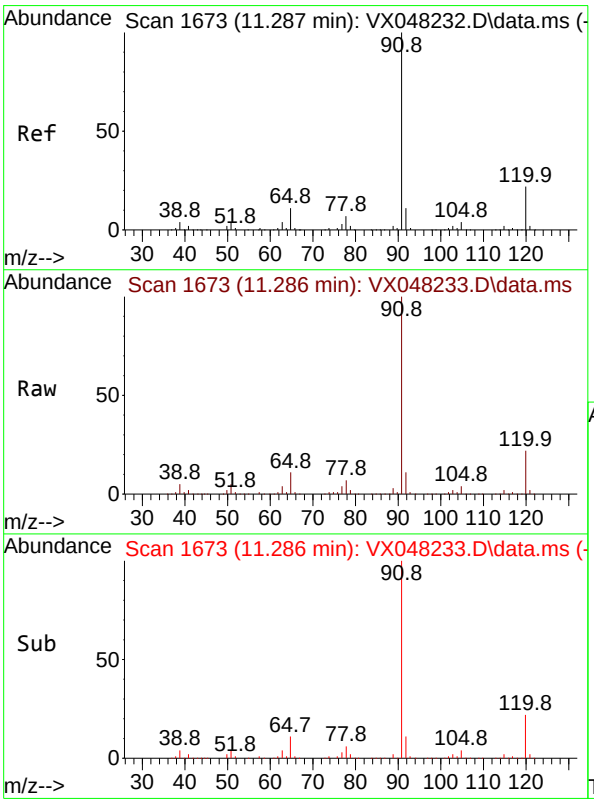
Ion	Ratio	Lower	Upper
156	100		
77	159.4	87.0	261.0
158	96.9	47.8	143.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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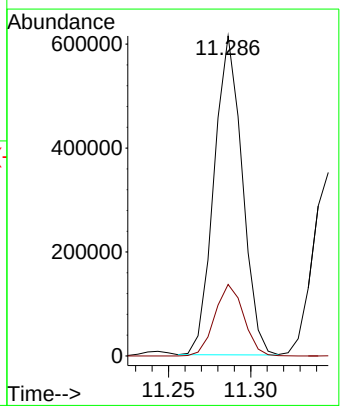


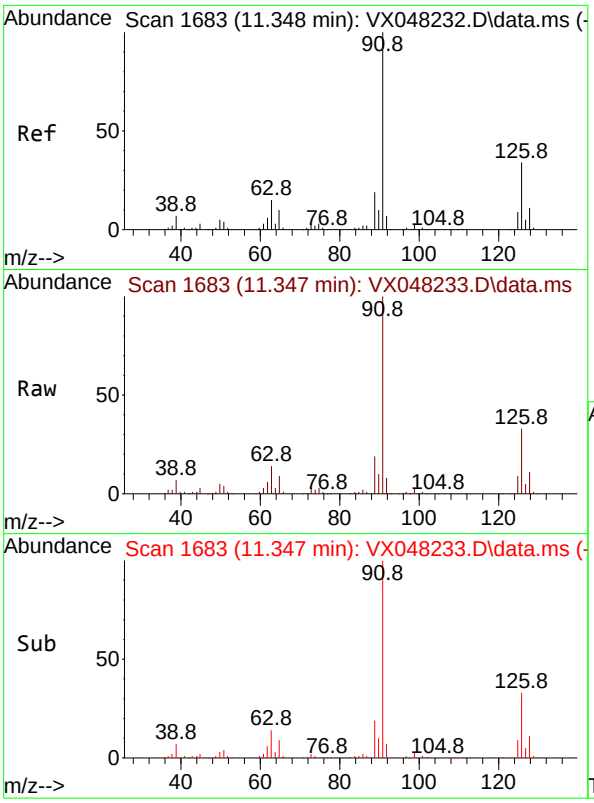


#78
n-propylbenzene
Concen: 107.747 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 91 Resp: 732684

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.1	33.1





#79
2-Chlorotoluene
Concen: 105.691 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

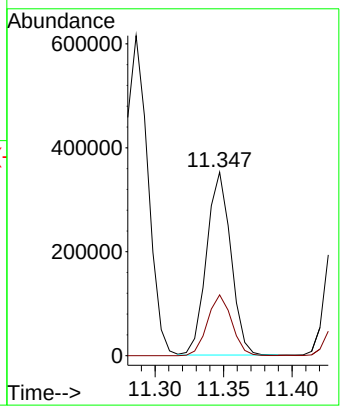
Tgt Ion: 91 Resp: 43421

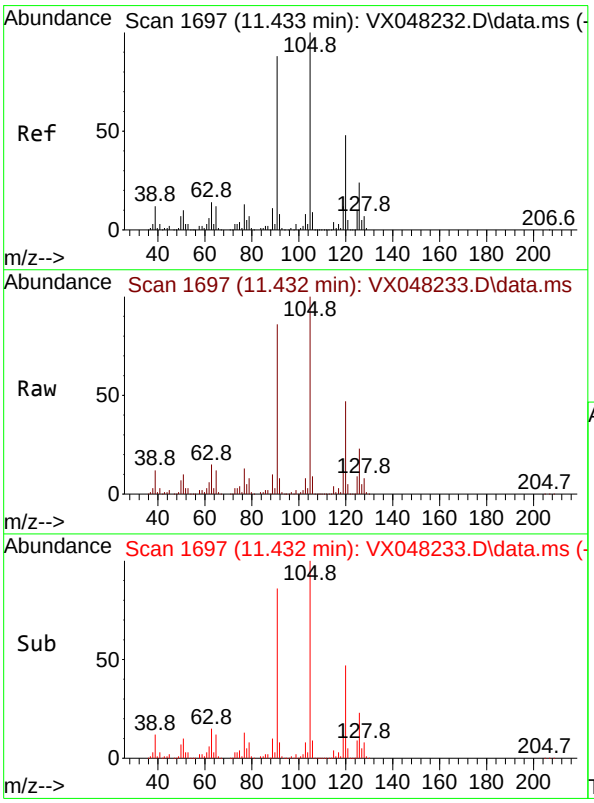
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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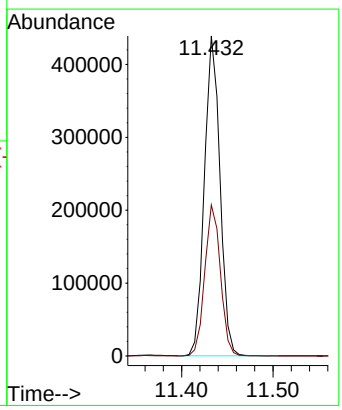


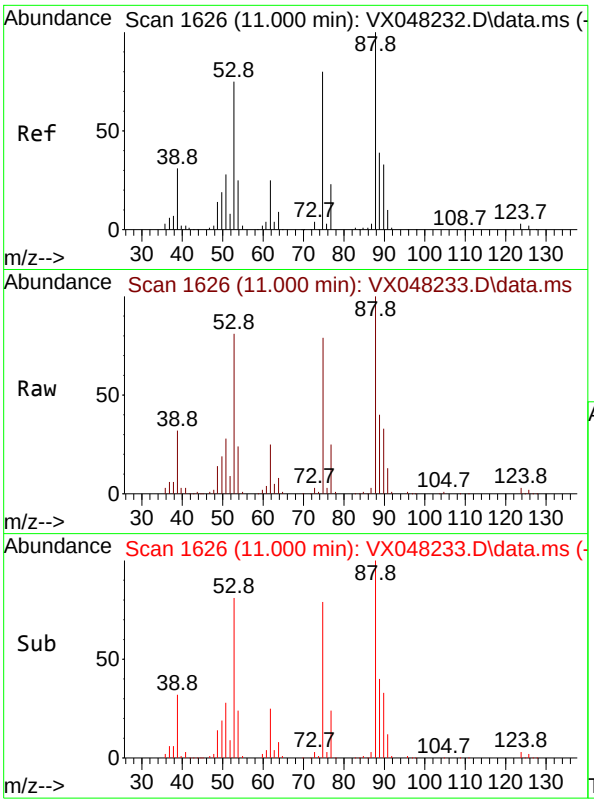


#80
1,3,5-Trimethylbenzene
Concen: 112.876 ug/l
RT: 11.432 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:105 Resp: 519549

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 117.466 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

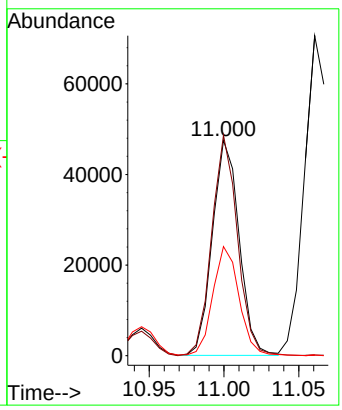
Tgt Ion: 75 Resp: 5905

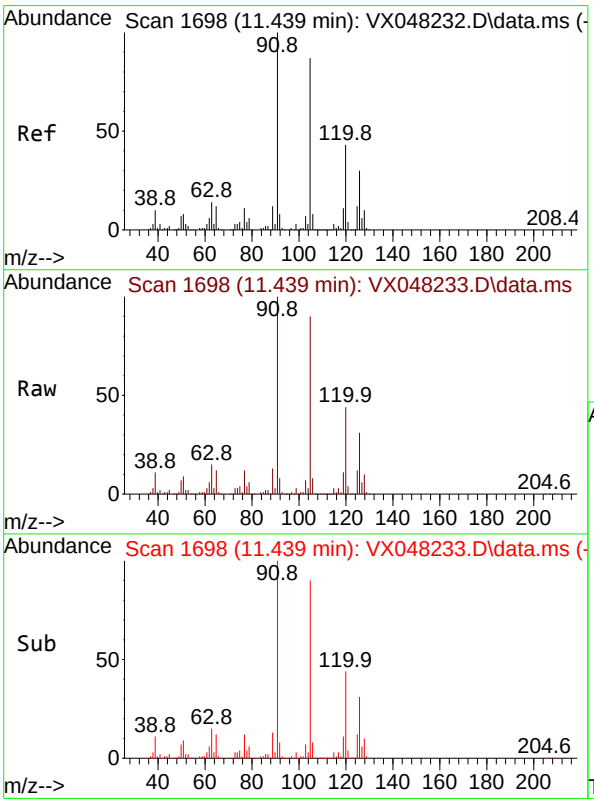
Ion	Ratio	Lower	Upper
75	100		
53	98.7	79.5	119.3
89	49.9	36.8	55.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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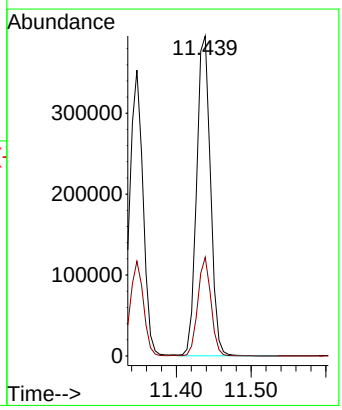


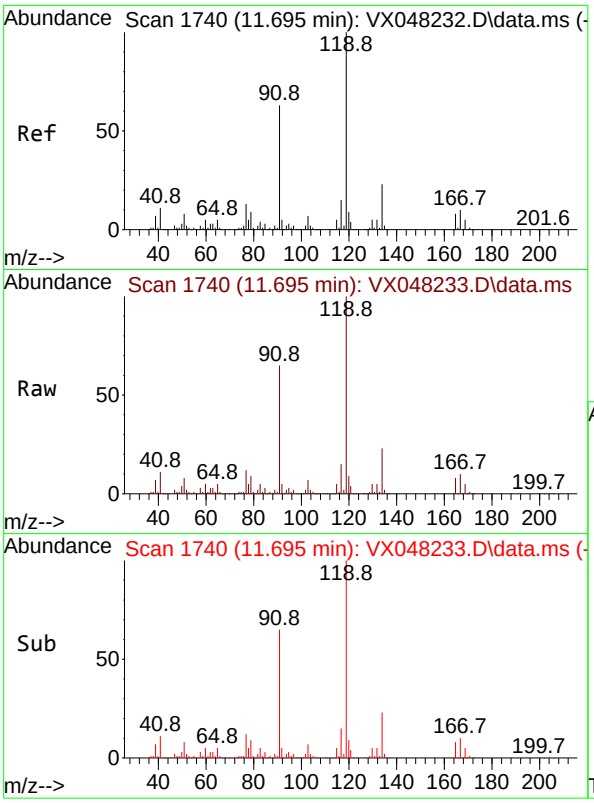


#82
4-Chlorotoluene
Concen: 104.983 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 91 Resp: 506861

Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.1	42.4

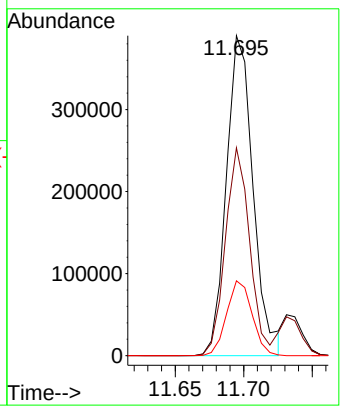




#83
tert-Butylbenzene
Concen: 113.817 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:119 Resp: 52926

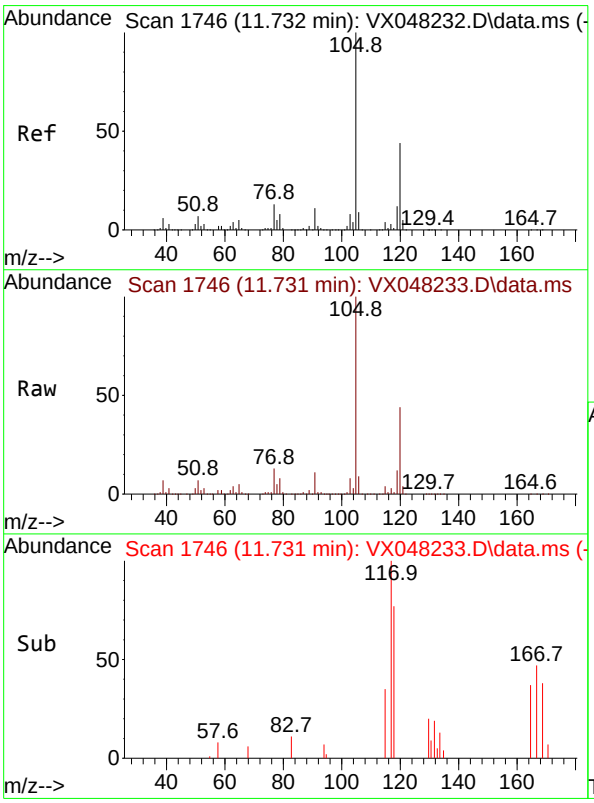
Ion	Ratio	Lower	Upper
119	100		
91	59.1	30.3	91.0
134	22.3	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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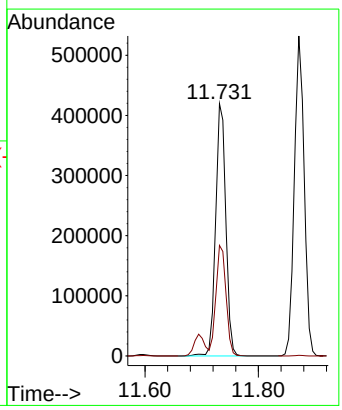
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

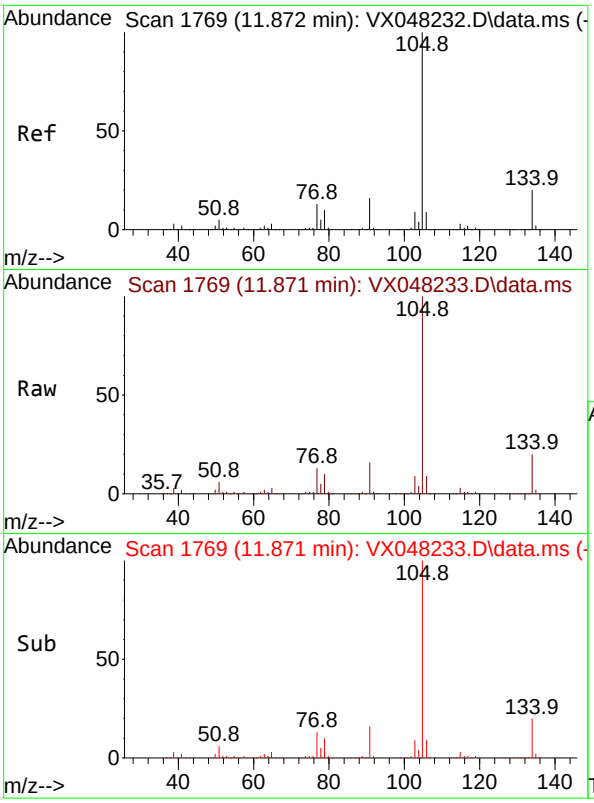


#84
1,2,4-Trimethylbenzene
Concen: 114.214 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:105 Resp: 523474

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.5





#85
sec-Butylbenzene
Concen: 112.562 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

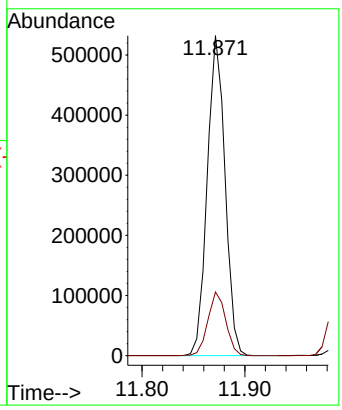
Tgt Ion:105 Resp: 63990

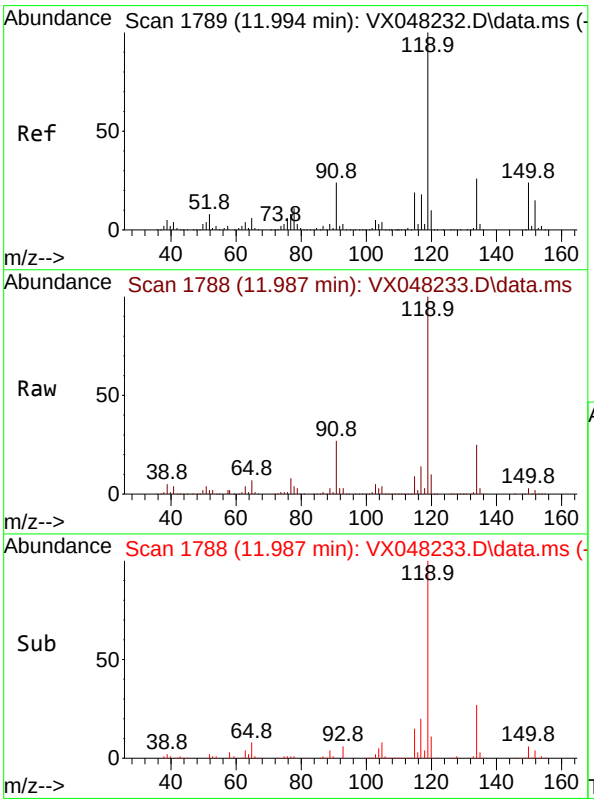
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Supervised By :Semsettin Yesilyurt 10/21/2025

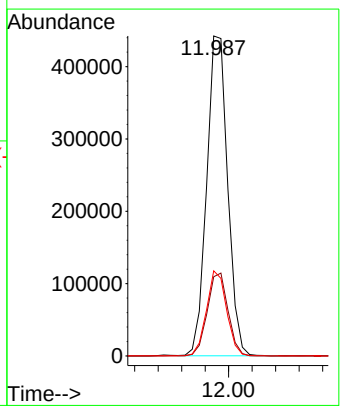


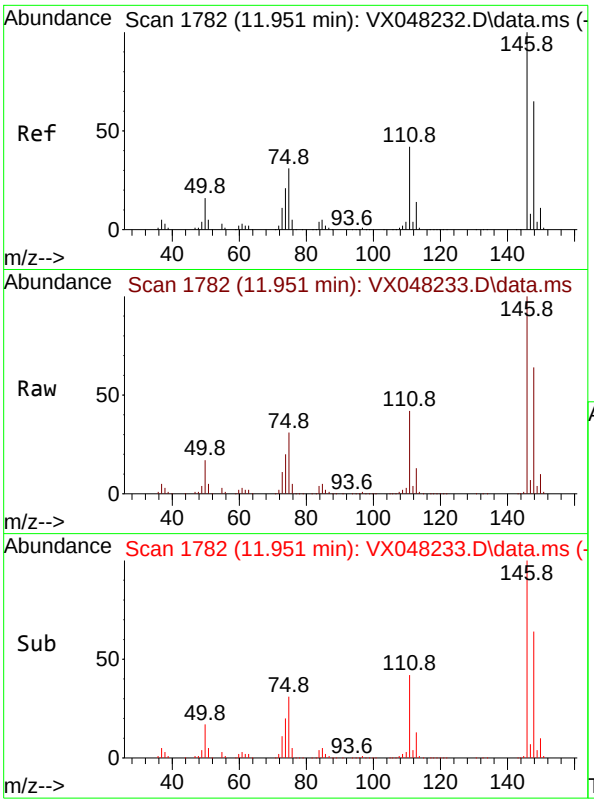


#86
p-Isopropyltoluene
Concen: 114.386 ug/l
RT: 11.987 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:119 Resp: 548119

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	39.0
91	25.5	12.1	36.3

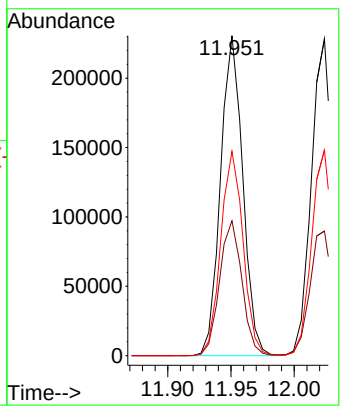




#87
1,3-Dichlorobenzene
Concen: 107.314 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:146 Resp: 28161

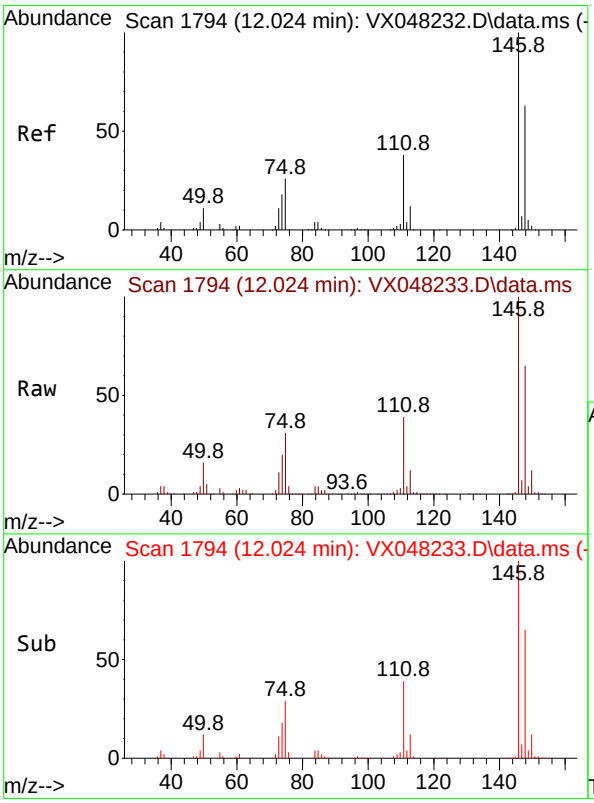
Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.4	61.2
148	64.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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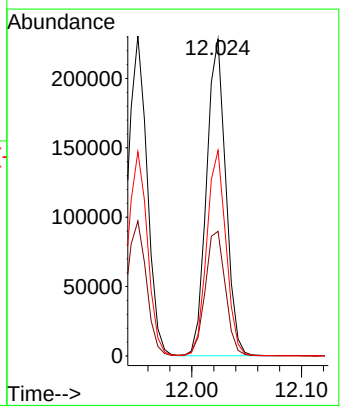
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

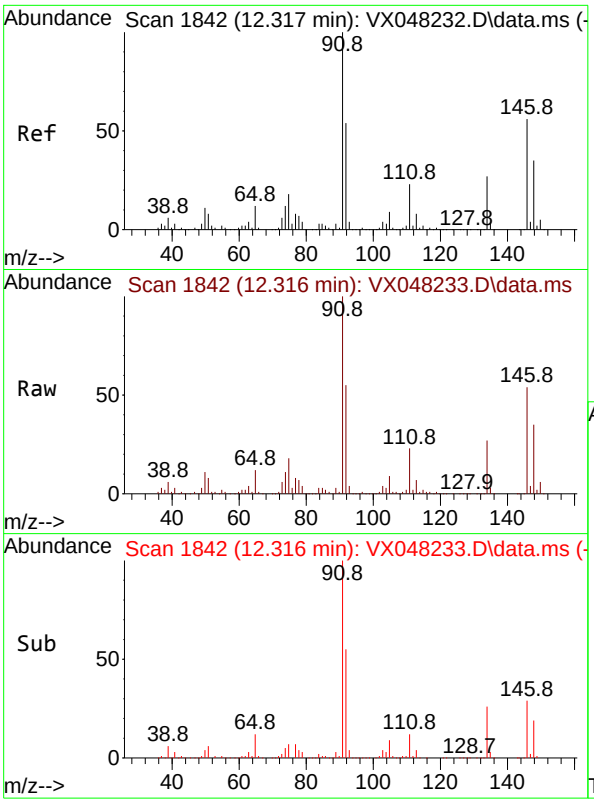


#88
1,4-Dichlorobenzene
Concen: 102.163 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:146 Resp: 277908

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.1	60.2
148	65.0	31.8	95.3





#89
n-Butylbenzene
Concen: 111.016 ug/l
RT: 12.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

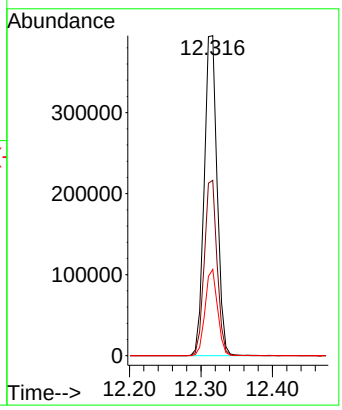
Tgt Ion: 91 Resp: 49548

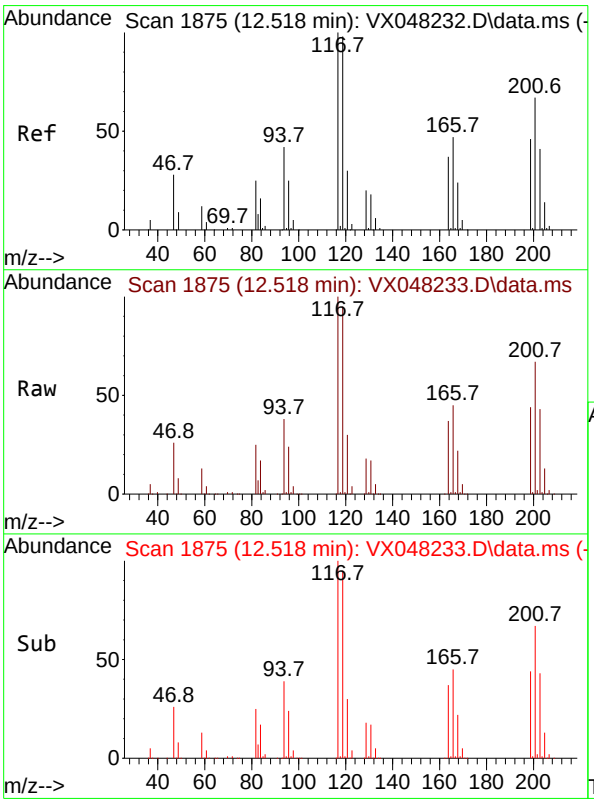
Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.9	80.6
134	26.1	12.7	38.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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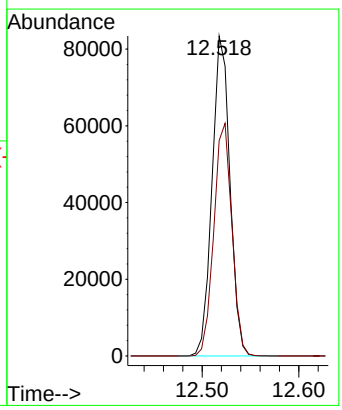


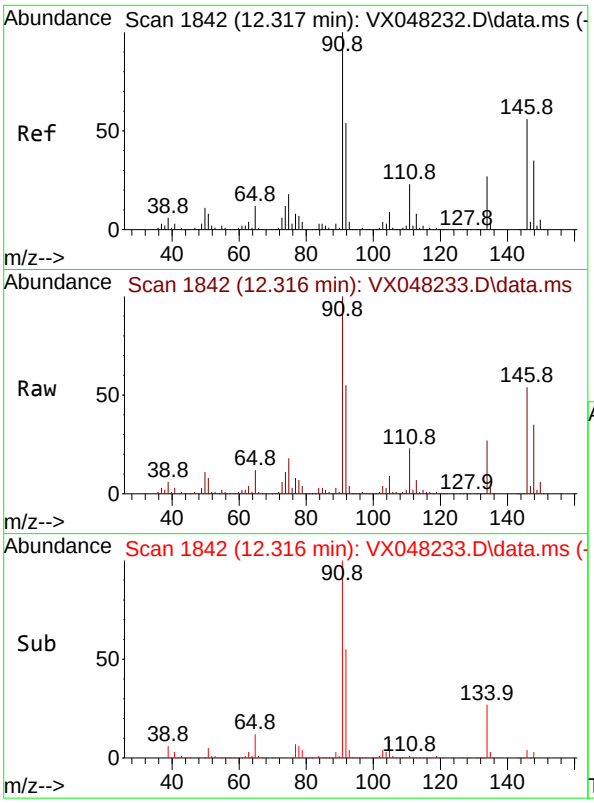


#90
Hexachloroethane
Concen: 105.851 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:117 Resp: 107057

Ion	Ratio	Lower	Upper
117	100		
201	73.5	34.1	102.2

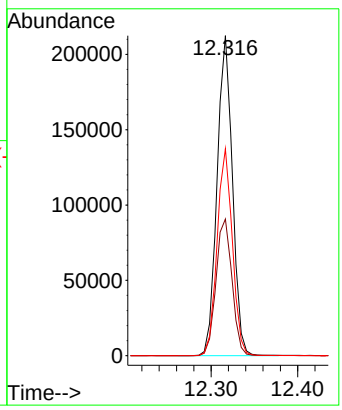




#91
1,2-Dichlorobenzene
Concen: 105.277 ug/l
RT: 12.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:146 Resp: 26102

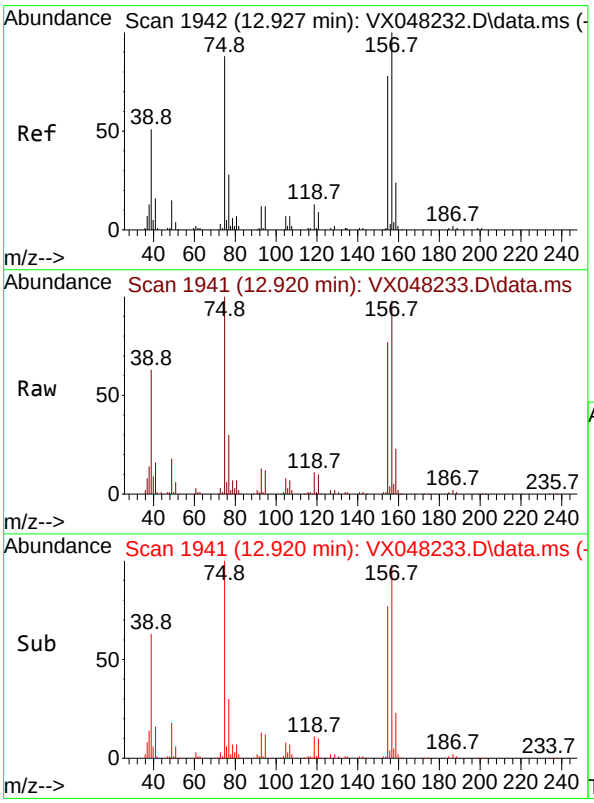
Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.9	65.5
148	64.5	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

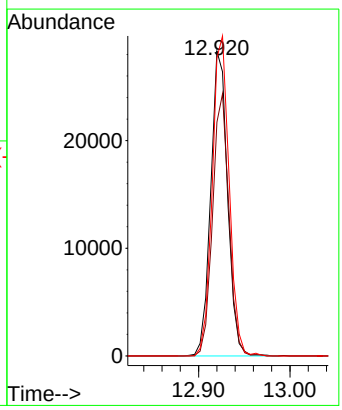
Reviewed By :John Carlone 10/21/2025
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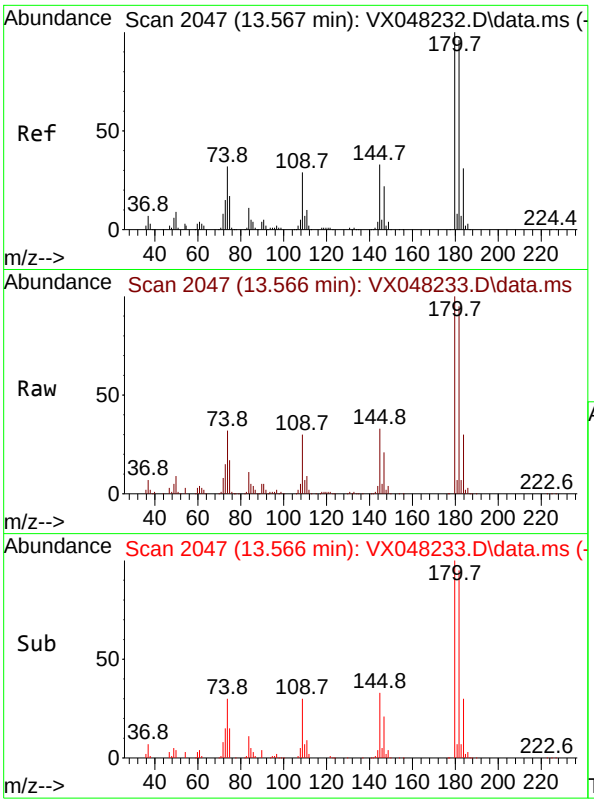


#92
1,2-Dibromo-3-Chloropropane
Concen: 124.320 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion: 75 Resp: 36087

Ion	Ratio	Lower	Upper
75	100		
155	83.6	42.8	128.4
157	105.4	54.2	162.6





#93
1,2,4-Trichlorobenzene
Concen: 122.679 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

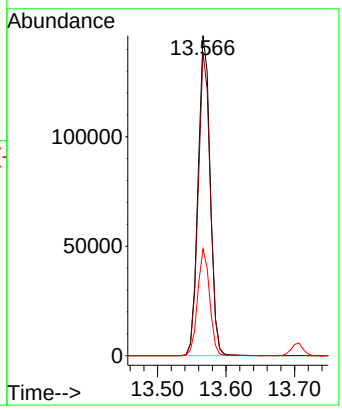
Tgt Ion:180 Resp: 17956

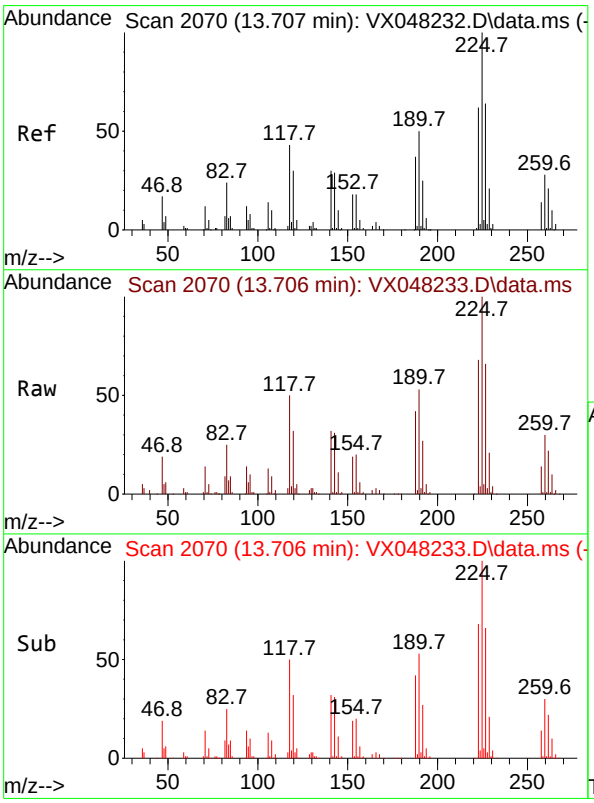
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	142.0
145	33.0	16.3	48.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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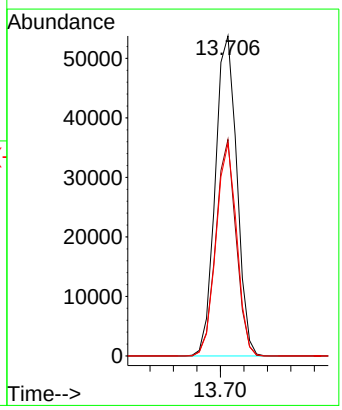


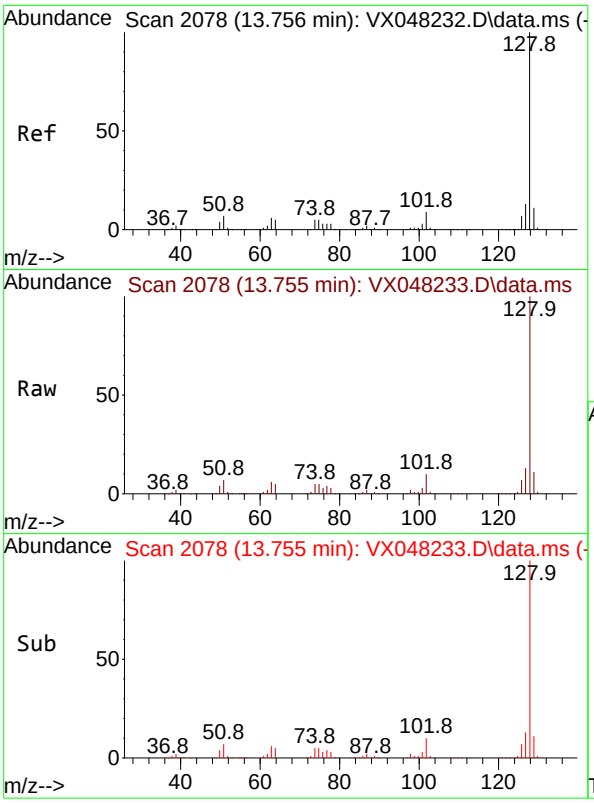


#94
Hexachlorobutadiene
Concen: 121.605 ug/l
RT: 13.706 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:225 Resp: 68645

Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.6	97.7
227	63.5	32.5	97.4

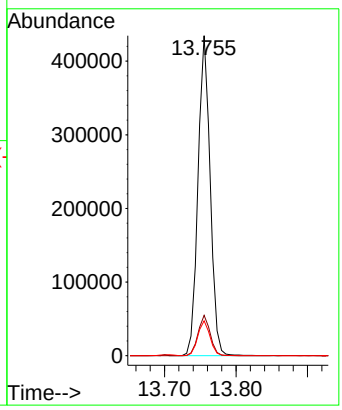




#95
Naphthalene
Concen: 132.536 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:128 Resp: 51135

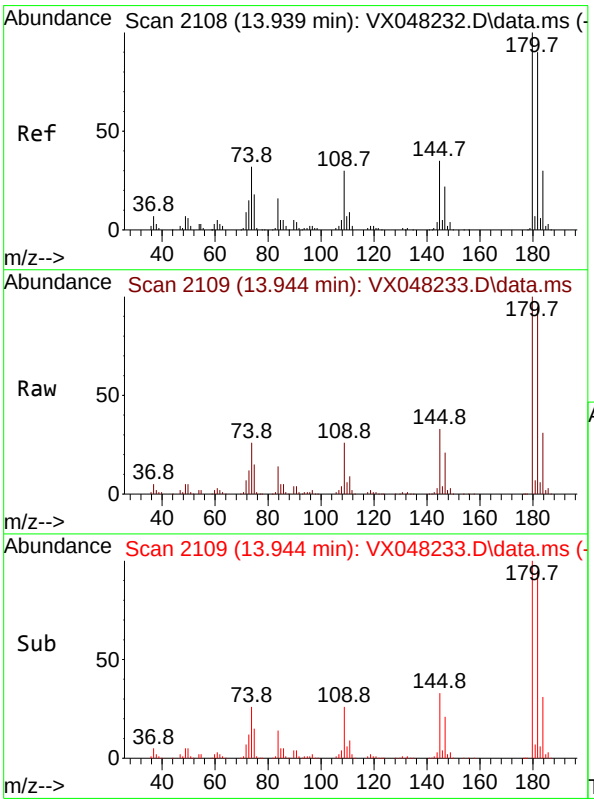
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

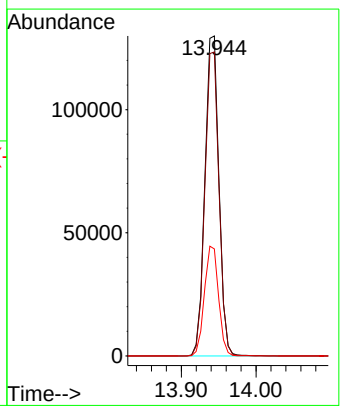
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 125.328 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048233.D
Acq: 20 Oct 2025 12:22

Tgt Ion:180 Resp: 169248

Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.6	139.7
145	34.6	16.9	50.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048234.D
Acq On : 20 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 13:01:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	112063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	180904	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	155759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	75397	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	234807	135.251	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 270.500%#			
35) Dibromofluoromethane	5.373	113	188821	150.393	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 300.780%#			
50) Toluene-d8	8.635	98	648652	143.408	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 286.820%#			
62) 4-Bromofluorobenzene	11.061	95	239298	145.255	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 290.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	169514	144.124	ug/l	95
3) Chloromethane	1.301	50	158322	111.112	ug/l	99
4) Vinyl Chloride	1.380	62	149708	99.710	ug/l	99
5) Bromomethane	1.605	94	92946	93.091	ug/l	97
6) Chloroethane	1.685	64	89813	93.997	ug/l	96
7) Trichlorofluoromethane	1.892	101	292007	123.905	ug/l	99
8) Diethyl Ether	2.136	74	81474	101.352	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	184438	138.880	ug/l	96
10) Methyl Iodide	2.453	142	249395	156.785	ug/l	100
11) Tert butyl alcohol	2.959	59	107295	931.439	ug/l	100
12) 1,1-Dichloroethene	2.325	96	178408	137.389	ug/l	95
13) Acrolein	2.239	56	123365	509.584	ug/l	99
14) Allyl chloride	2.666	41	293697	125.734	ug/l	98
15) Acrylonitrile	3.062	53	412892	748.019	ug/l	100
16) Acetone	2.380	43	347029	585.970	ug/l	99
17) Carbon Disulfide	2.514	76	515144	128.936	ug/l	100
18) Methyl Acetate	2.697	43	169402	140.438	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	593033	151.611	ug/l	97
20) Methylene Chloride	2.788	84	190483	132.030	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	187495	139.566	ug/l	98
22) Diisopropyl ether	3.757	45	571951	125.048	ug/l	93
23) Vinyl Acetate	3.715	43	2367511	692.251	ug/l	96
24) 1,1-Dichloroethane	3.605	63	342500	131.992	ug/l	99
25) 2-Butanone	4.544	43	487152	706.046	ug/l	96
26) 2,2-Dichloropropane	4.465	77	310572	140.027	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	222359	139.465	ug/l	98
28) Bromochloromethane	4.891	49	151812	126.922	ug/l	87
29) Tetrahydrofuran	4.989	42	301745	744.697	ug/l	94
30) Chloroform	5.080	83	358626	131.272	ug/l	98
31) Cyclohexane	5.464	56	291302	137.199	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	338462	150.785	ug/l	98
36) 1,1-Dichloropropene	5.684	75	249688	141.173	ug/l	99
37) Ethyl Acetate	4.702	43	208614	147.588	ug/l	97
38) Carbon Tetrachloride	5.666	117	307892	151.663	ug/l	100
39) Methylcyclohexane	7.367	83	315911	158.416	ug/l	95
40) Benzene	6.025	78	730908	139.172	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048234.D
Acq On : 20 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 20 13:01:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	115351	152.378	ug/l		97
42) 1,2-Dichloroethane	6.074	62	269245	143.093	ug/l		99
43) Isopropyl Acetate	6.324	43	361084	152.180	ug/l		96
44) Trichloroethene	7.110	130	197244	149.022	ug/l		98
45) 1,2-Dichloropropane	7.415	63	180619	135.890	ug/l		99
46) Dibromomethane	7.568	93	135105	141.273	ug/l		94
47) Bromodichloromethane	7.805	83	292063	141.302	ug/l		97
48) Methyl methacrylate	7.677	41	184354	151.780	ug/l		95
49) 1,4-Dioxane	7.647	88	49895	4563.512	ug/l		88
51) 4-Methyl-2-Pentanone	8.561	43	983125	744.604	ug/l		94
52) Toluene	8.702	92	460742	145.964	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	300251	155.059	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	317375	150.373	ug/l		94
55) 1,1,2-Trichloroethane	9.135	97	169894	144.250	ug/l		98
56) Ethyl methacrylate	9.104	69	272177	169.911	ug/l		94
57) 1,3-Dichloropropane	9.293	76	293650	142.707	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.232	63	705780	858.056	ug/l		95
59) 2-Hexanone	9.415	43	694736	752.256	ug/l		96
60) Dibromochloromethane	9.506	129	226642	153.740	ug/l		99
61) 1,2-Dibromoethane	9.592	107	182208	150.876	ug/l		99
64) Tetrachloroethene	9.263	164	168581	154.361	ug/l		91
65) Chlorobenzene	10.061	112	514967	151.209	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	191186	155.782	ug/l		98
67) Ethyl Benzene	10.177	91	898137	153.825	ug/l		99
68) m/p-Xylenes	10.287	106	661019	303.896	ug/l		99
69) o-Xylene	10.622	106	320334	156.444	ug/l		99
70) Styrene	10.640	104	548149	155.523	ug/l		98
71) Bromoform	10.781	173	152209	168.892	ug/l	#	99
73) Isopropylbenzene	10.945	105	849183	161.931	ug/l		100
74) N-amyl acetate	10.829	43	314879	160.952	ug/l		95
75) 1,1,2,2-Tetrachloroethane	11.195	83	224486	151.104	ug/l		99
76) 1,2,3-Trichloropropane	11.220	75	181434m	157.586	ug/l		
77) Bromobenzene	11.183	156	207212	157.899	ug/l		94
78) n-propylbenzene	11.287	91	991960	155.984	ug/l		98
79) 2-Chlorotoluene	11.348	91	585792	152.465	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	699885	162.591	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	83158	176.858	ug/l		97
82) 4-Chlorotoluene	11.439	91	691903	153.240	ug/l		99
83) tert-Butylbenzene	11.695	119	717642	165.020	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	707074	164.961	ug/l		99
85) sec-Butylbenzene	11.872	105	861466	162.035	ug/l		100
86) p-Isopropyltoluene	11.994	119	738496	164.794	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	386062	157.307	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	386885	152.078	ug/l		100
89) n-Butylbenzene	12.311	91	664071	159.098	ug/l		99
90) Hexachloroethane	12.518	117	145813	154.159	ug/l		94
91) 1,2-Dichlorobenzene	12.317	146	359278	154.946	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	50367	185.536	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	247472	180.791	ug/l		100
94) Hexachlorobutadiene	13.707	225	92458	175.138	ug/l		100
95) Naphthalene	13.756	128	719433	199.386	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	233671	185.022	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048234.D
Acq On : 20 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 13:01:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

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

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

ICAL Form

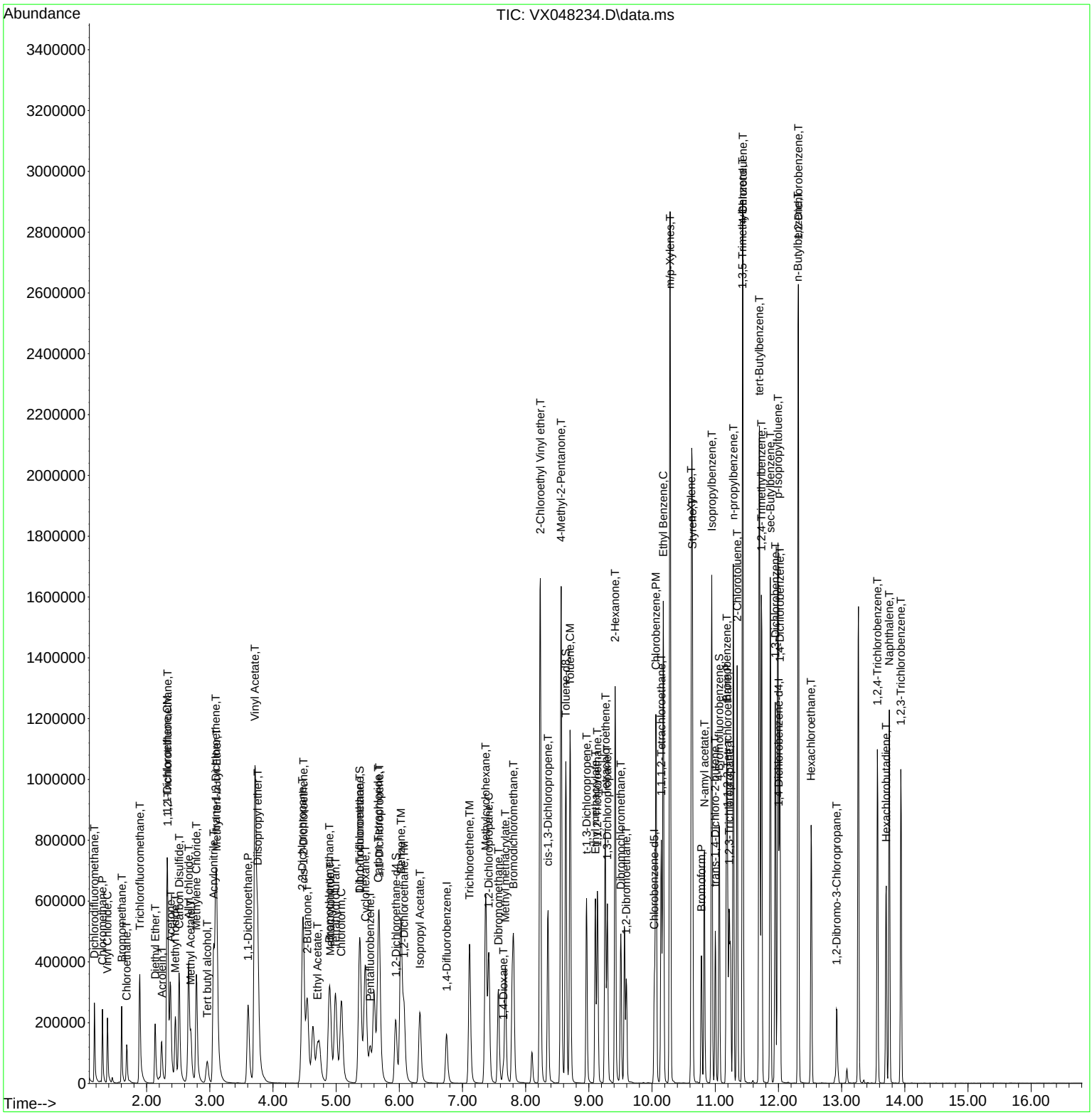
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048234.D
Acq On : 20 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

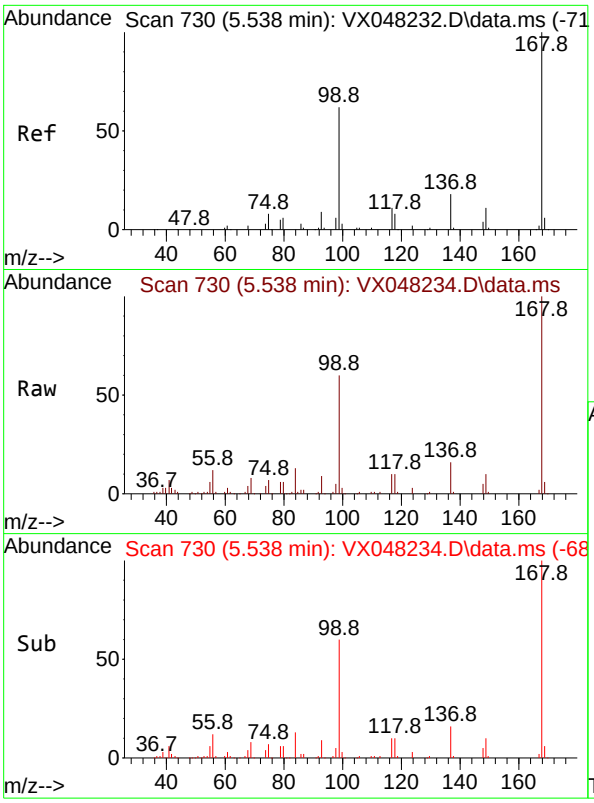
Quant Time: Oct 20 13:01:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

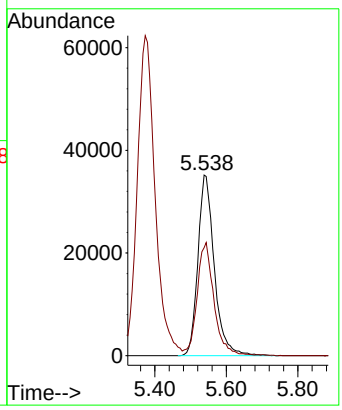




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:168 Resp: 11206

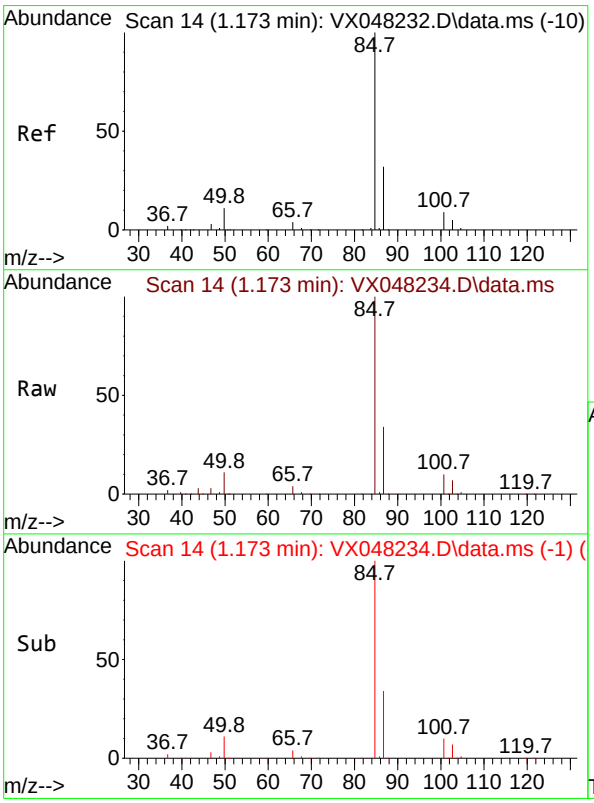
Ion	Ratio	Lower	Upper
168	100		
99	59.8	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

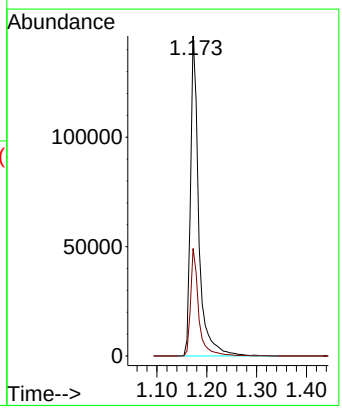
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

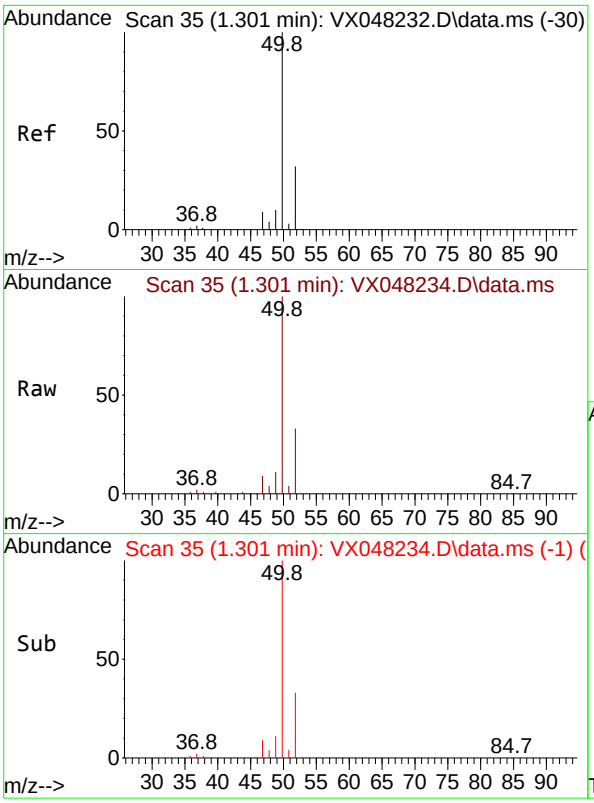


#2
Dichlorodifluoromethane
Concen: 144.124 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 85 Resp: 169514

Ion	Ratio	Lower	Upper
85	100		
87	33.6	15.3	45.9

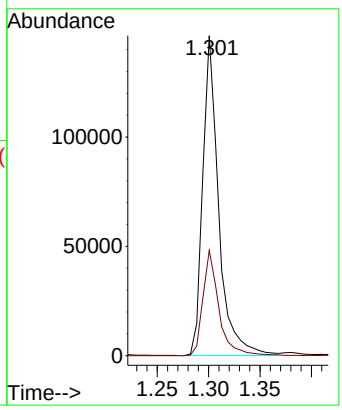




#3
Chloromethane
Concen: 111.112 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 50 Resp: 15832

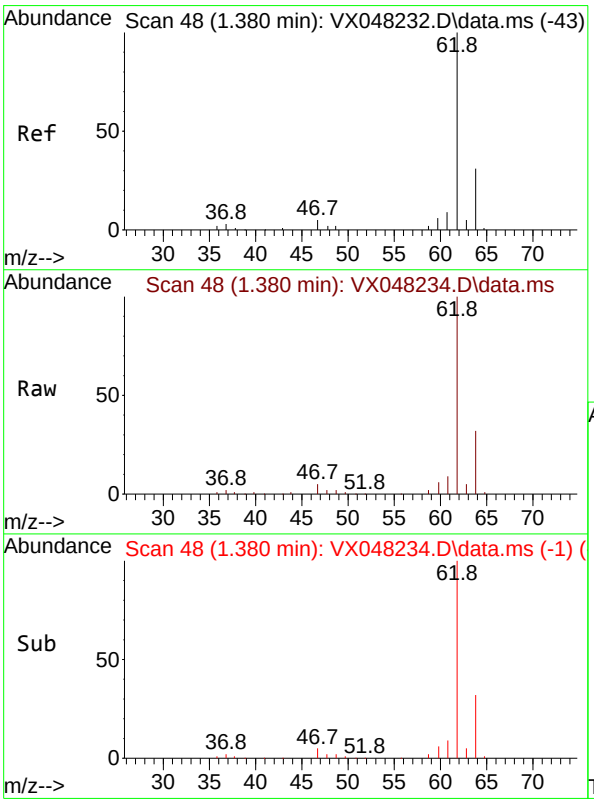
Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

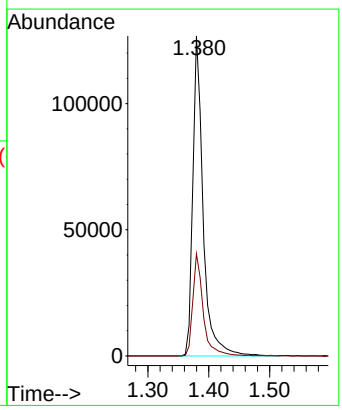
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

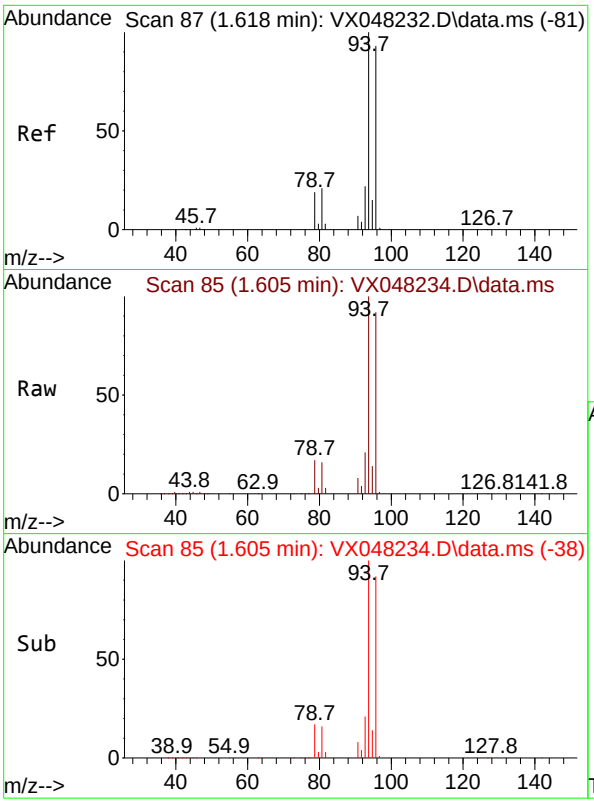


#4
Vinyl Chloride
Concen: 99.710 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 62 Resp: 149708

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.1	37.7

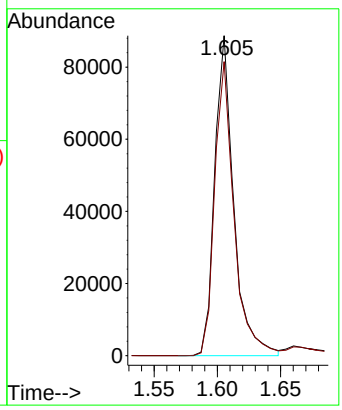




#5
Bromomethane
Concen: 93.091 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 94 Resp: 9294

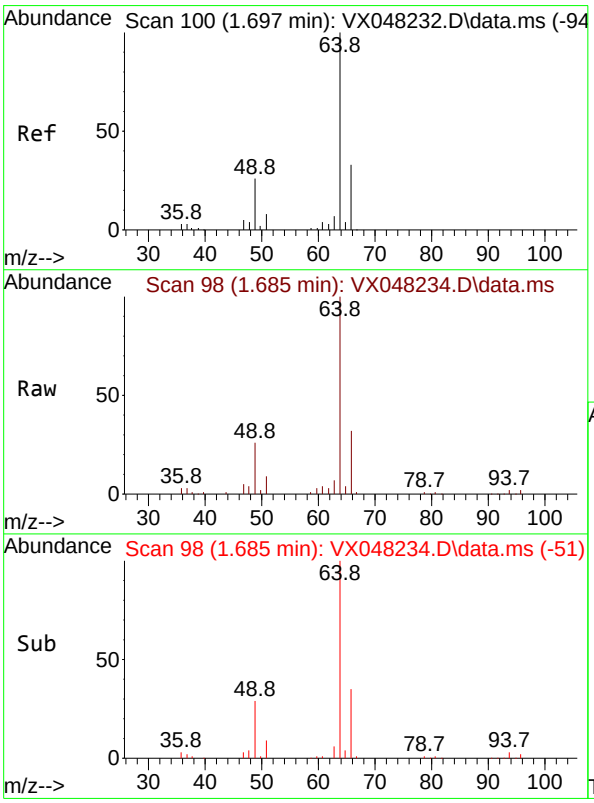
Ion	Ratio	Lower	Upper
94	100		
96	91.9	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

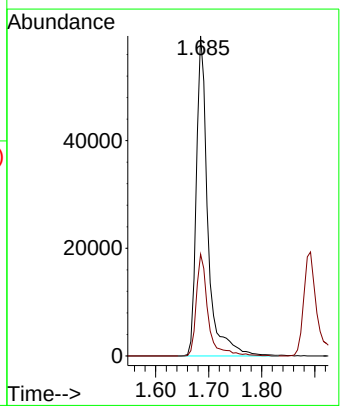
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

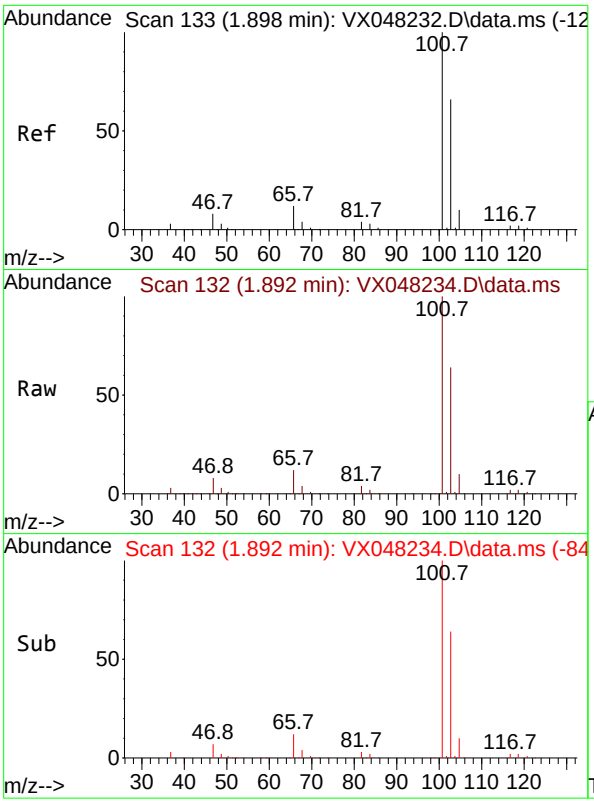


#6
Chloroethane
Concen: 93.997 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.012 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 64 Resp: 89813

Ion	Ratio	Lower	Upper
64	100		
66	31.8	23.9	35.9

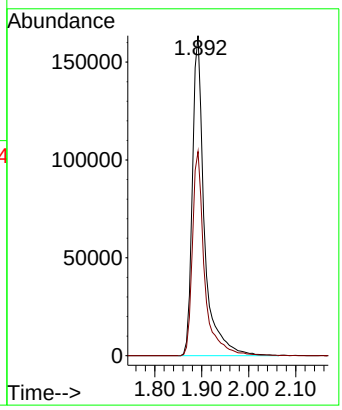




#7
Trichlorofluoromethane
Concen: 123.905 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:101 Resp: 29200

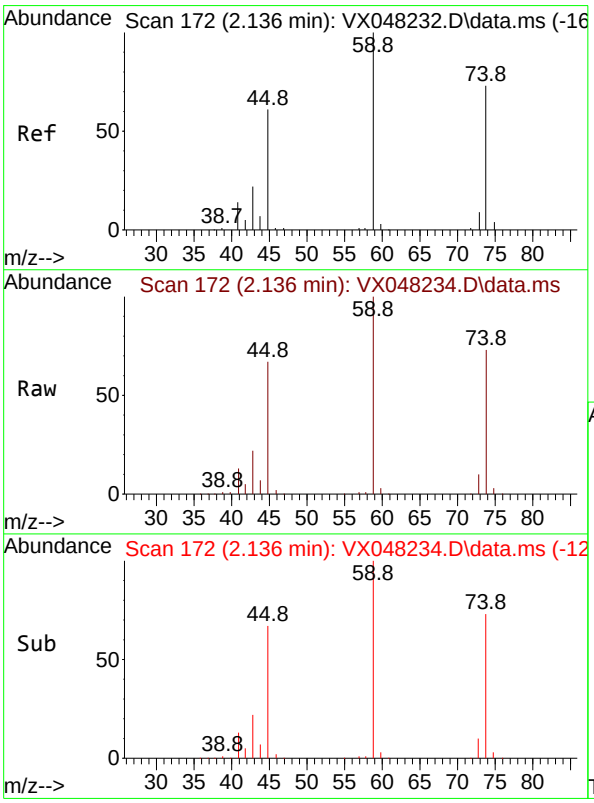
Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

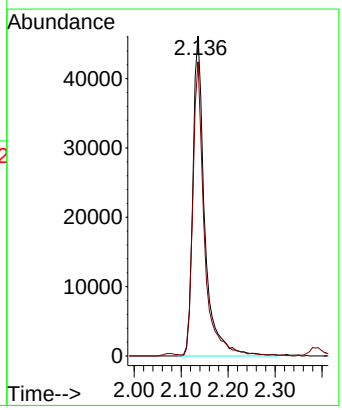
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

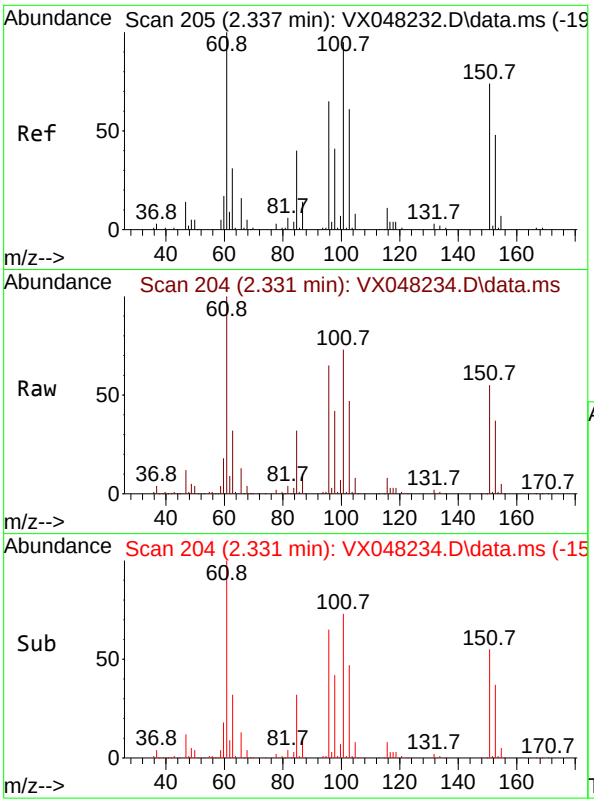


#8
Diethyl Ether
Concen: 101.352 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 74 Resp: 81474

Ion	Ratio	Lower	Upper
74	100		
45	87.5	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 138.880 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

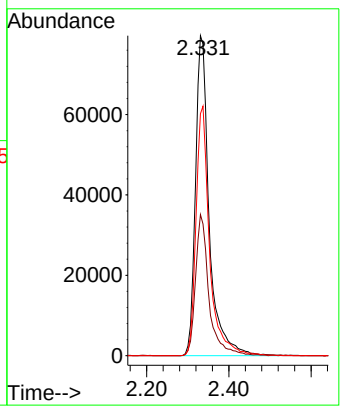
Tgt Ion:101 Resp: 18443

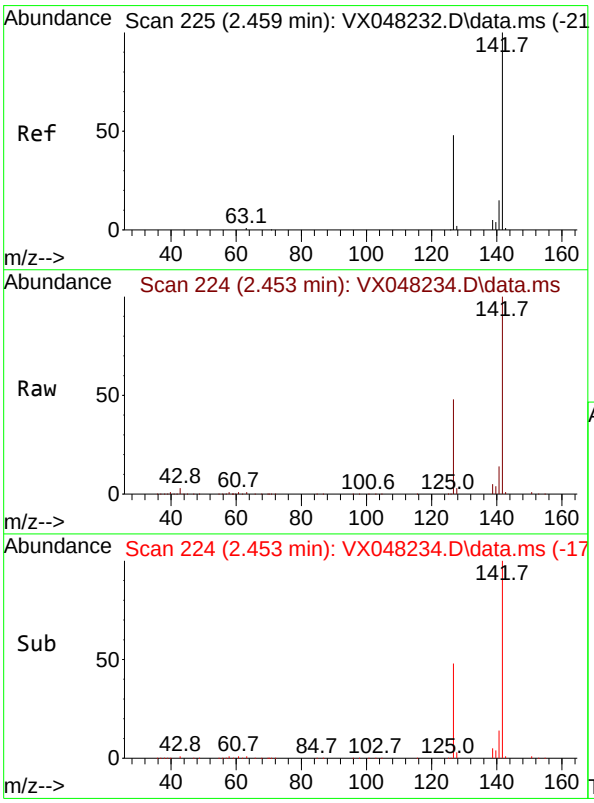
Ion	Ratio	Lower	Upper
101	100		
85	43.3	35.6	53.4
151	77.4	58.0	87.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

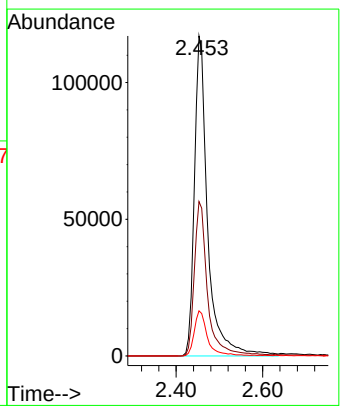


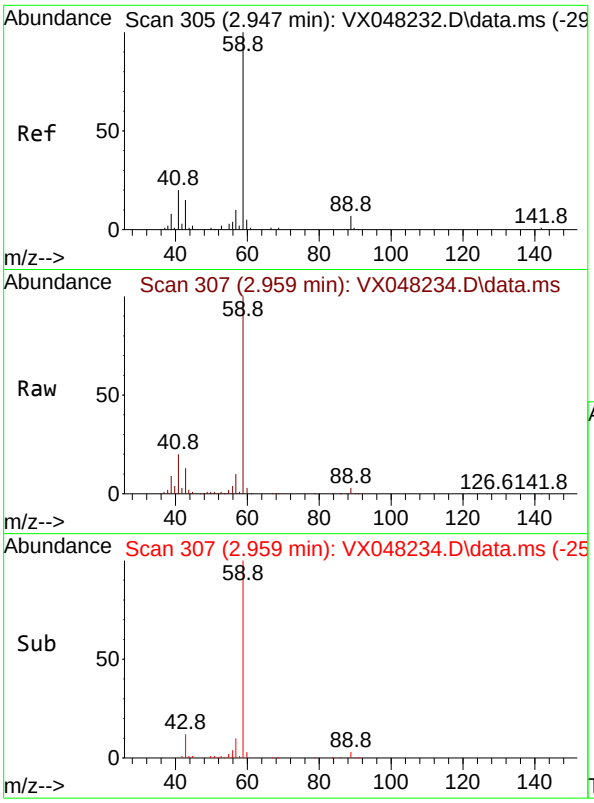


#10
Methyl Iodide
Concen: 156.785 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:142 Resp: 249395

Ion	Ratio	Lower	Upper
142	100		
127	48.2	38.5	57.7
141	14.0	11.6	17.4

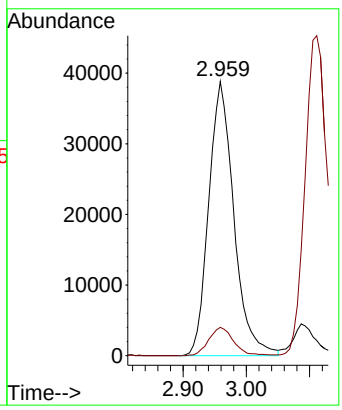




#11
Tert butyl alcohol
Concen: 931.439 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 59 Resp: 10729

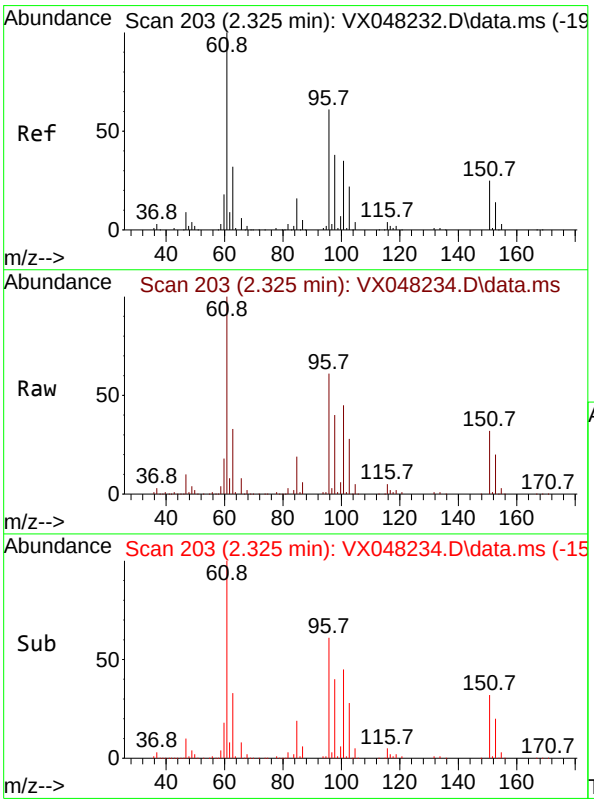
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

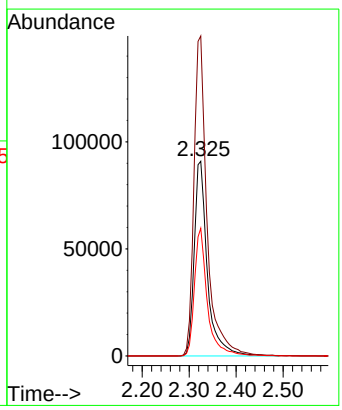
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

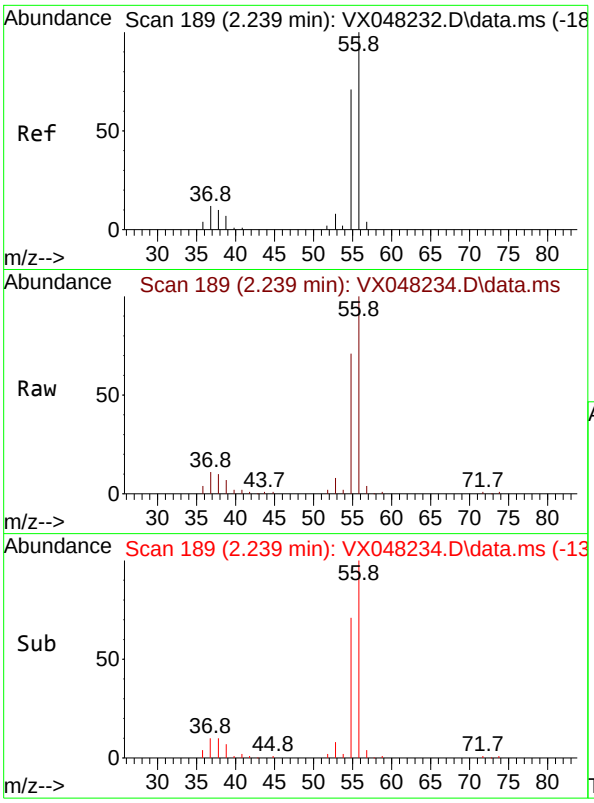


#12
1,1-Dichloroethene
Concen: 137.389 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 96 Resp: 178408

Ion	Ratio	Lower	Upper
96	100		
61	164.3	139.0	208.6
98	65.6	52.4	78.6

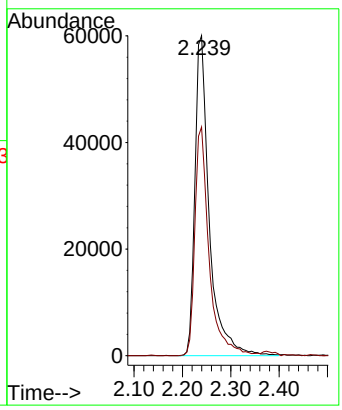




#13
Acrolein
Concen: 509.584 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 56 Resp: 12336

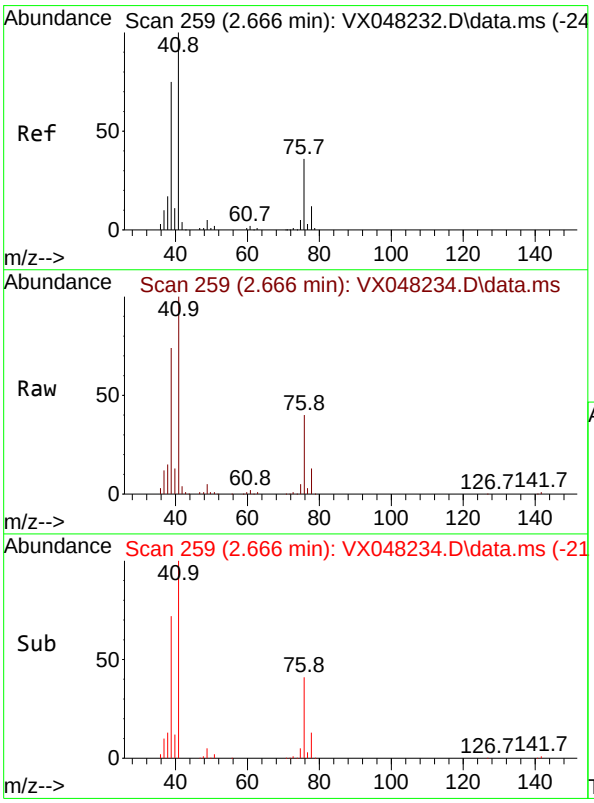
Ion	Ratio	Lower	Upper
56	100		
55	70.7	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

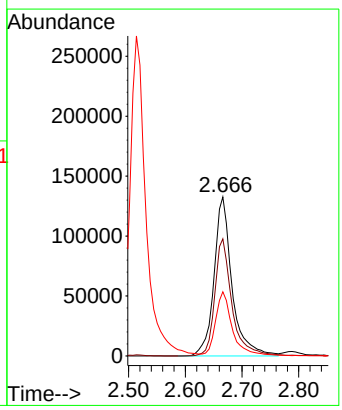
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

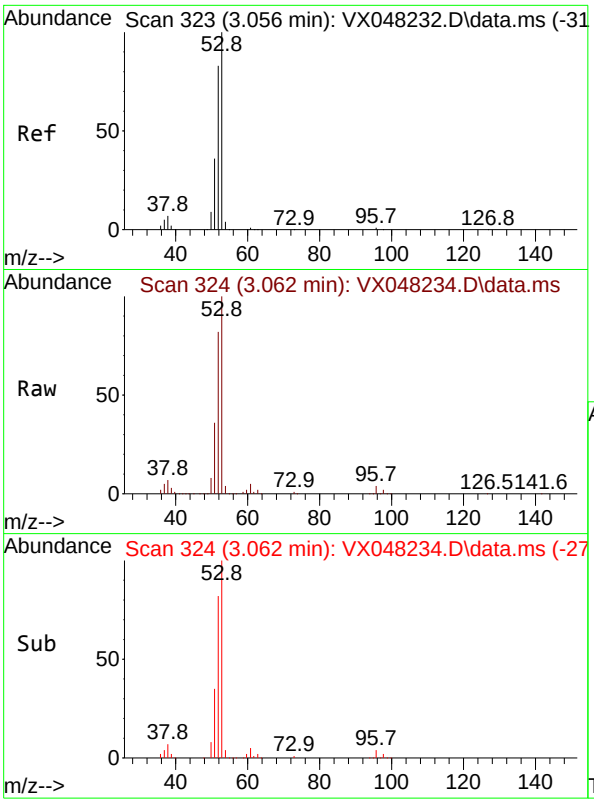


#14
Allyl chloride
Concen: 125.734 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 41 Resp: 293697

Ion	Ratio	Lower	Upper
41	100		
39	70.5	56.0	84.0
76	37.7	27.5	41.3

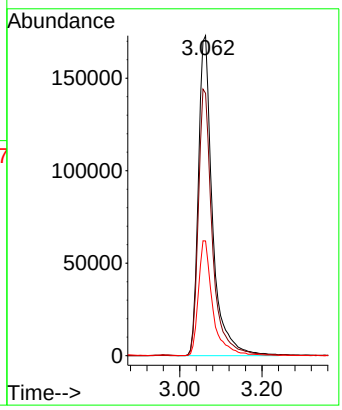




#15
Acrylonitrile
Concen: 748.019 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 53 Resp: 41289

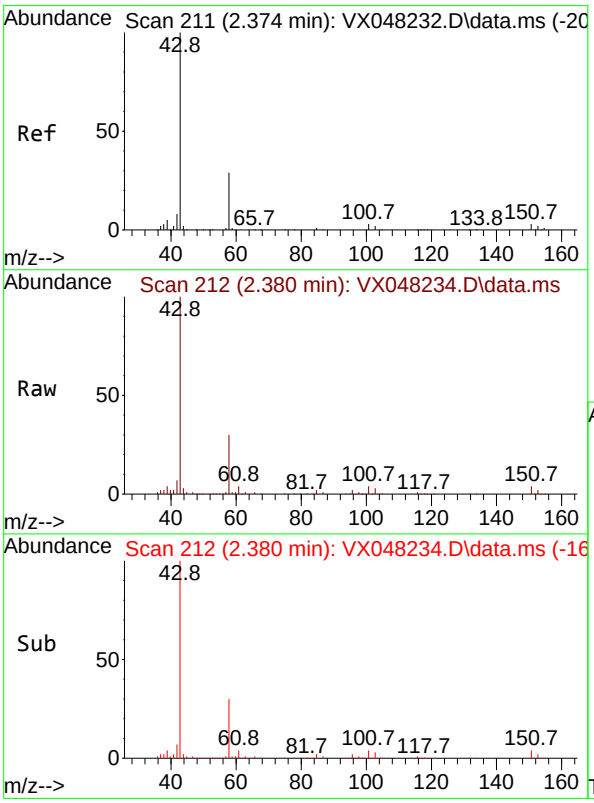
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.1	99.1
51	36.5	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

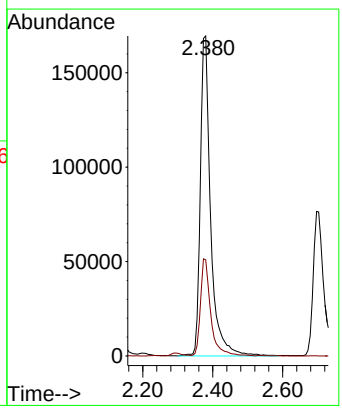
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

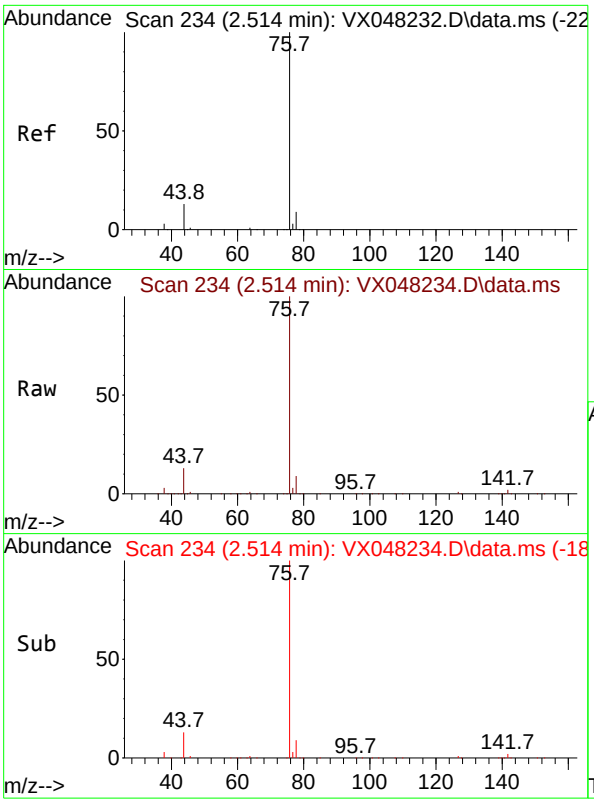


#16
Acetone
Concen: 585.970 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 347029

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.2





#17
Carbon Disulfide
Concen: 128.936 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

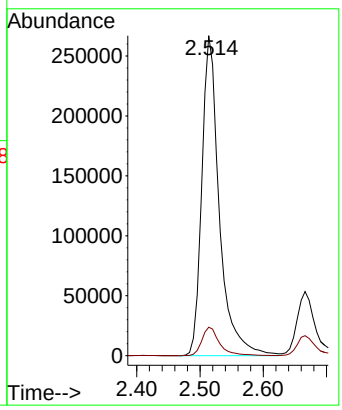
Tgt Ion: 76 Resp: 51514

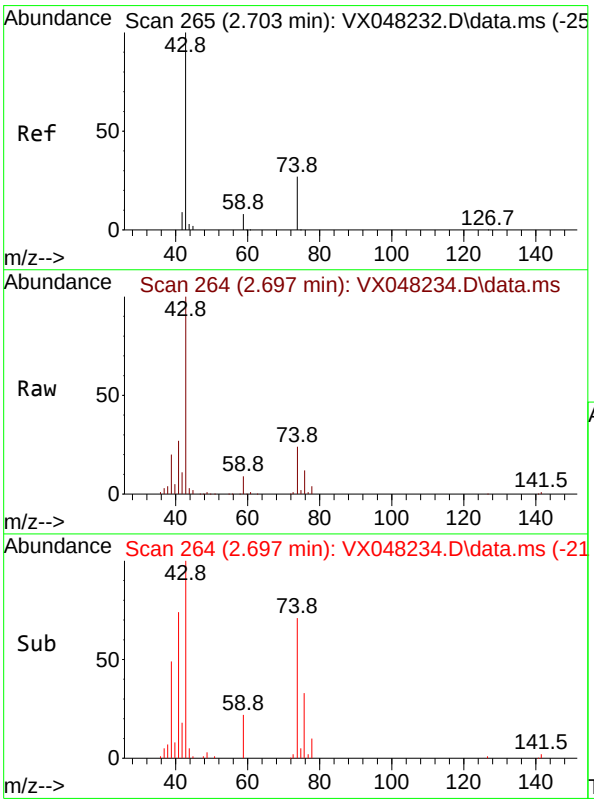
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

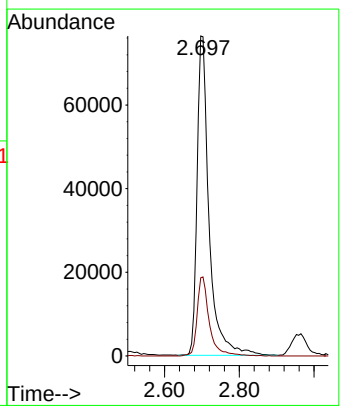


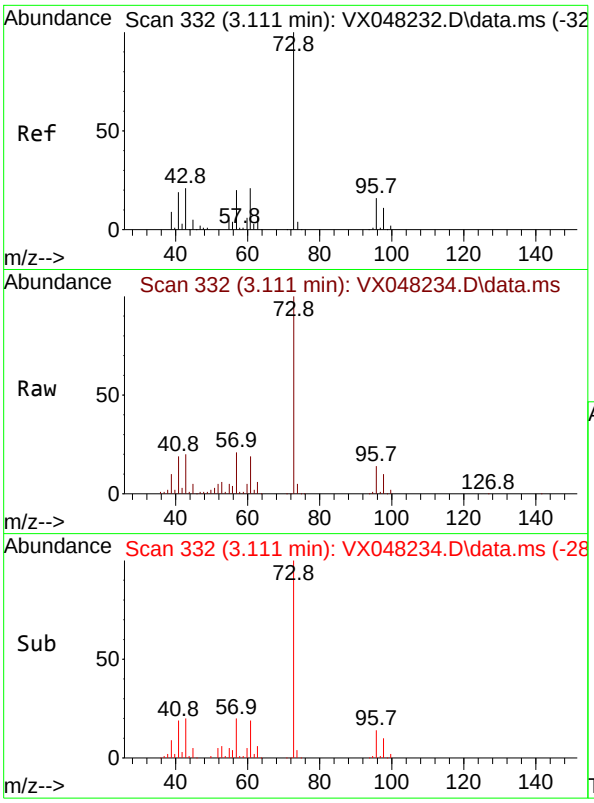


#18
Methyl Acetate
Concen: 140.438 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 169402

Ion	Ratio	Lower	Upper
43	100		
74	25.2	17.5	26.3

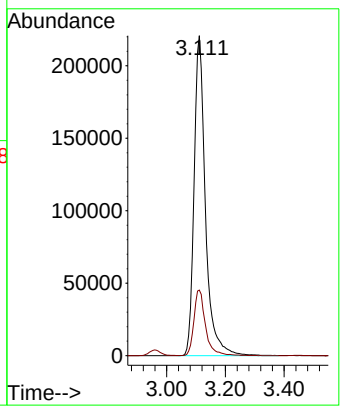




#19
Methyl tert-butyl Ether
Concen: 151.611 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 73 Resp: 59303

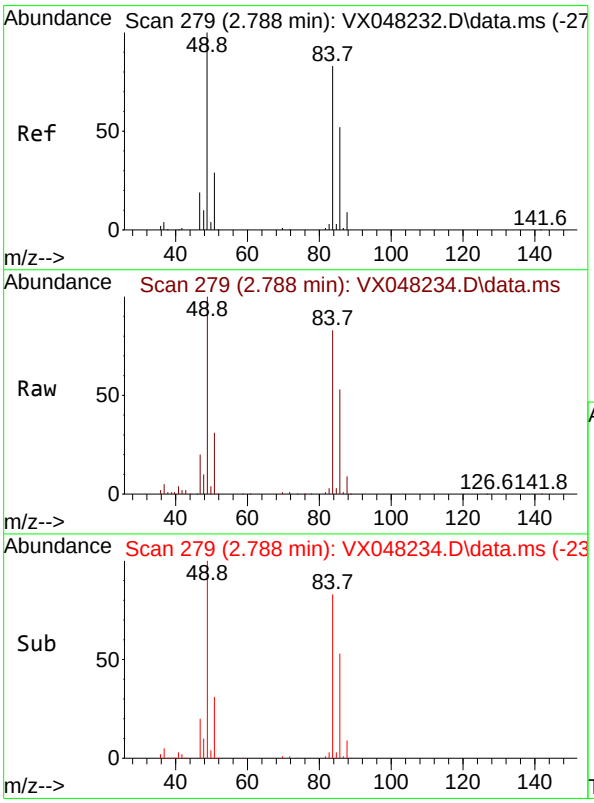
Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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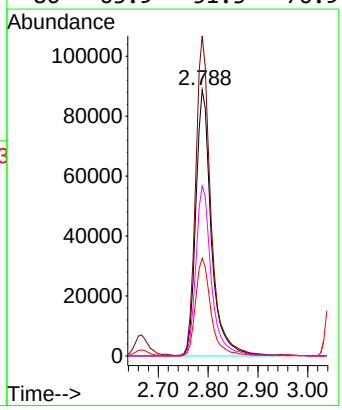
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

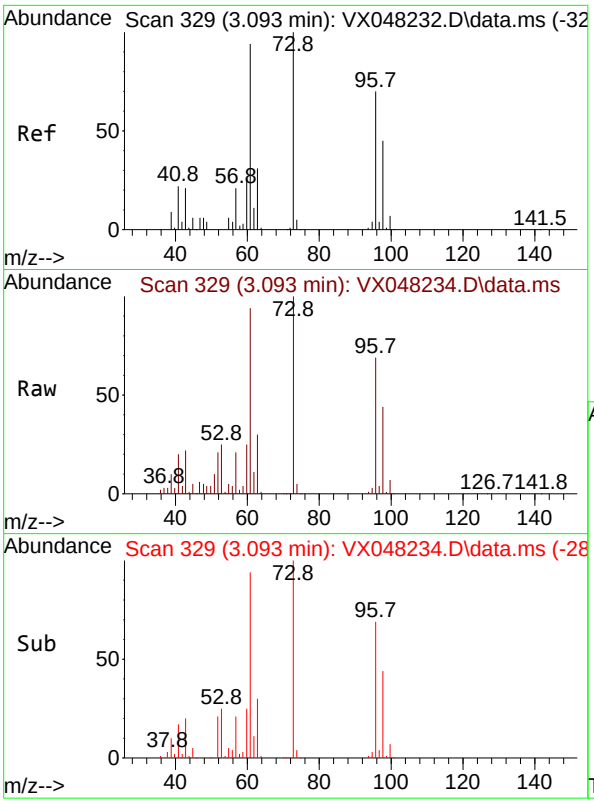


#20
Methylene Chloride
Concen: 132.030 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 84 Resp: 190483

Ion	Ratio	Lower	Upper
84	100		
49	120.0	104.1	156.1
51	36.7	31.3	46.9
86	63.9	51.3	76.9

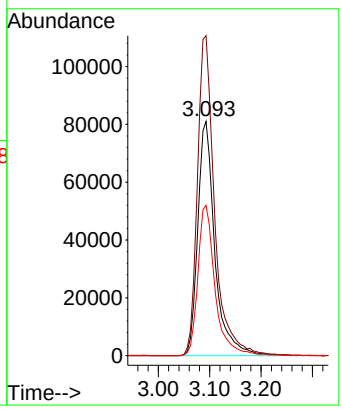




#21
trans-1,2-Dichloroethene
Concen: 139.566 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 96 Resp: 18749

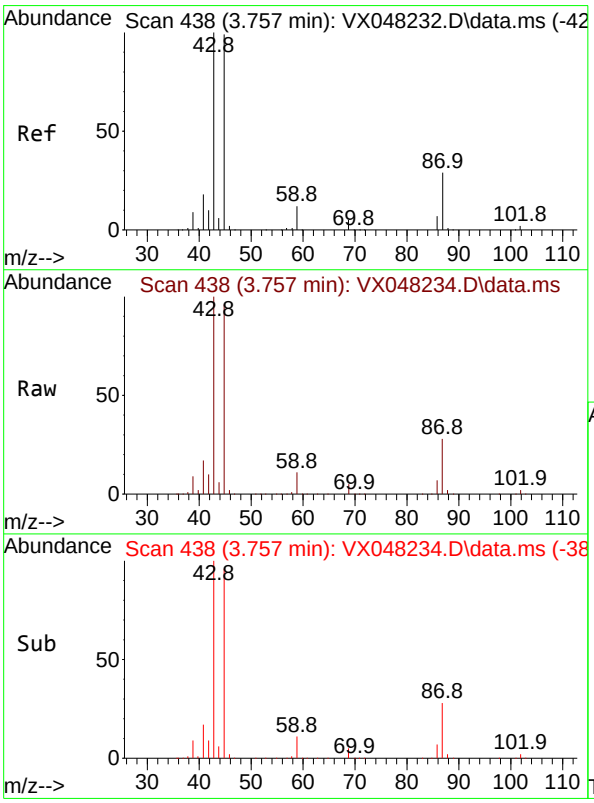
Ion	Ratio	Lower	Upper
96	100		
61	136.6	111.9	167.9
98	64.1	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

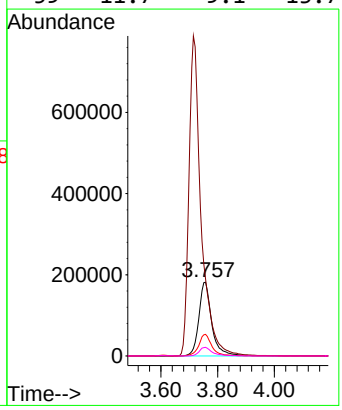
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

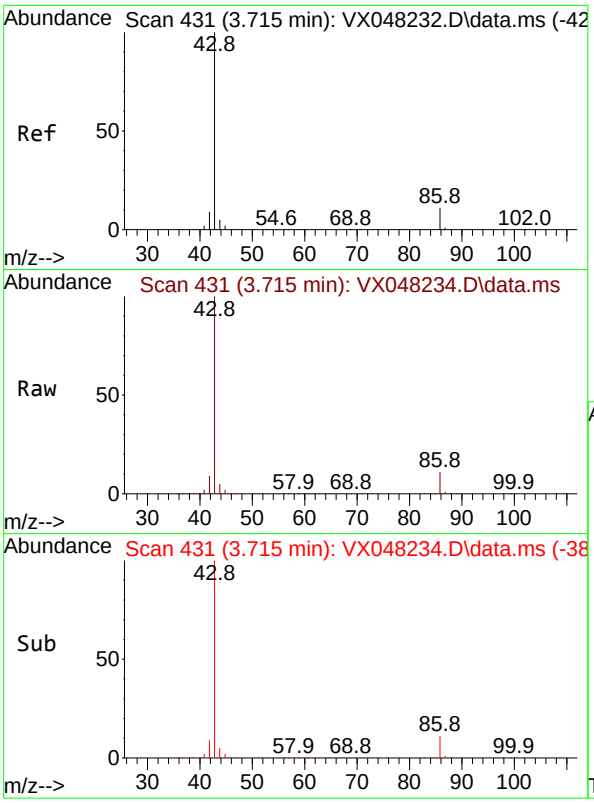


#22
Diisopropyl ether
Concen: 125.048 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 45 Resp: 571951

Ion	Ratio	Lower	Upper
45	100		
43	104.2	89.8	134.8
87	29.4	20.6	31.0
59	11.7	9.1	13.7





#23
Vinyl Acetate
Concen: 692.251 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

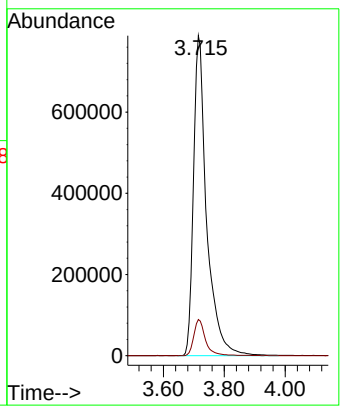
Tgt Ion: 43 Resp: 236751

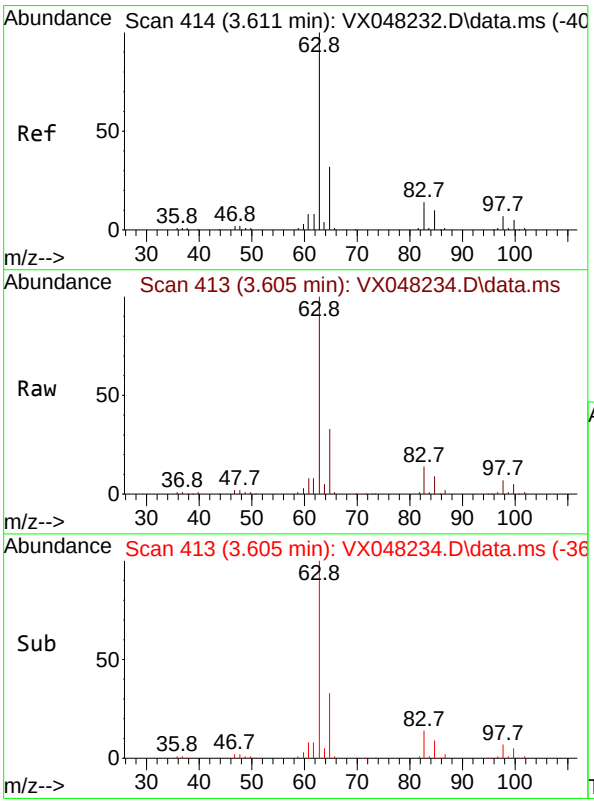
Ion	Ratio	Lower	Upper
43	100		
86	11.3	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

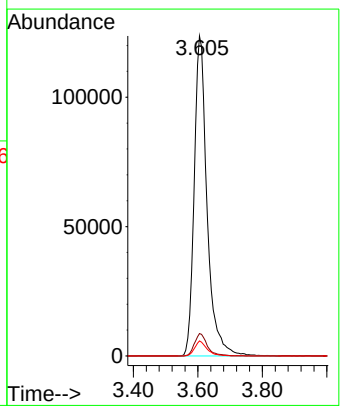


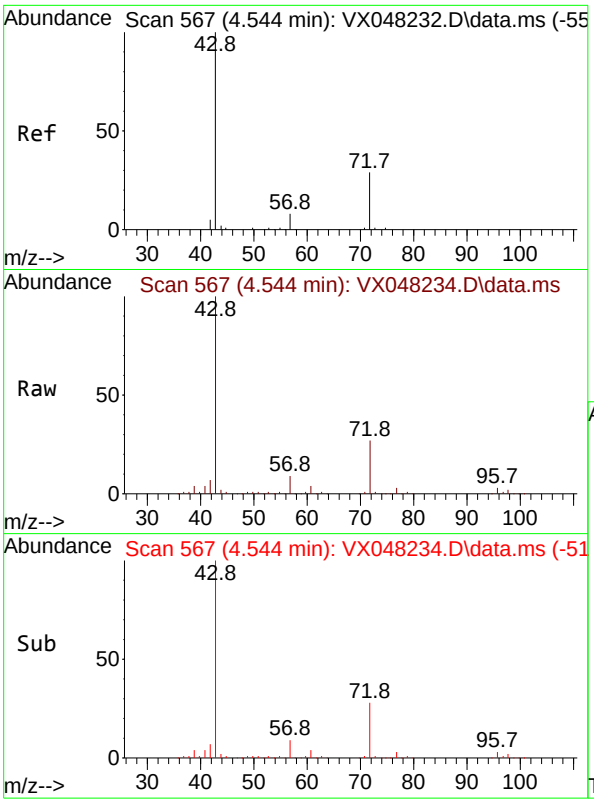


#24
1,1-Dichloroethane
Concen: 131.992 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 63 Resp: 342500

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.6
100	4.7	2.1	6.3





#25
2-Butanone
Concen: 706.046 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

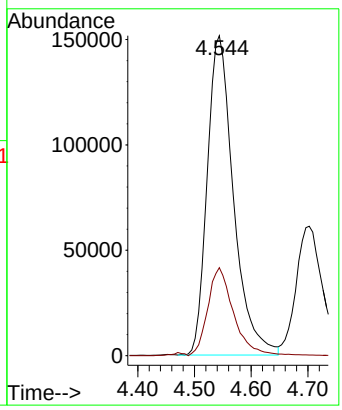
Tgt Ion: 43 Resp: 48715

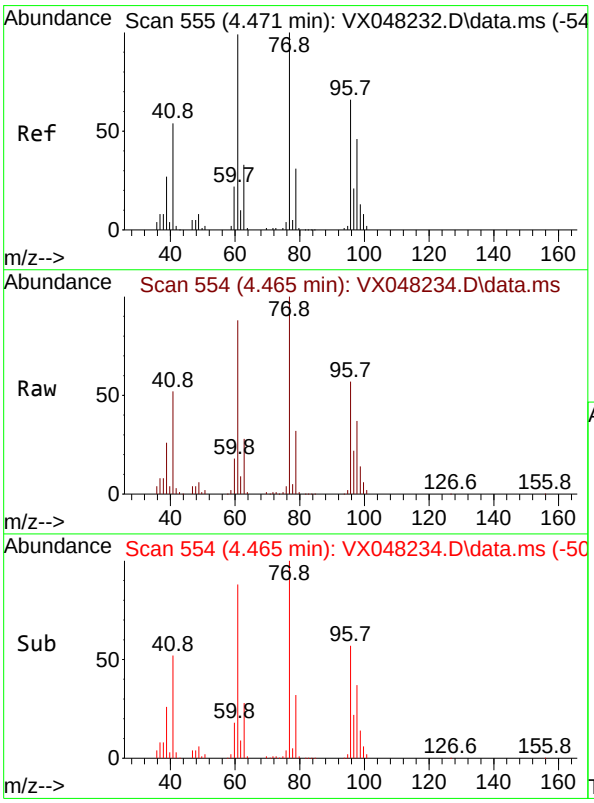
Ion	Ratio	Lower	Upper
43	100		
72	27.0	19.9	29.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

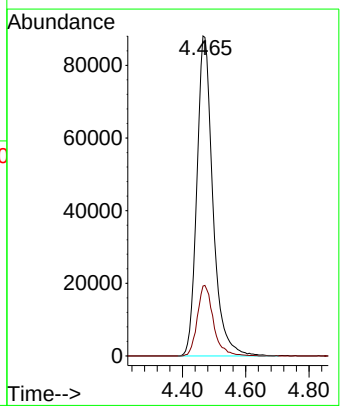


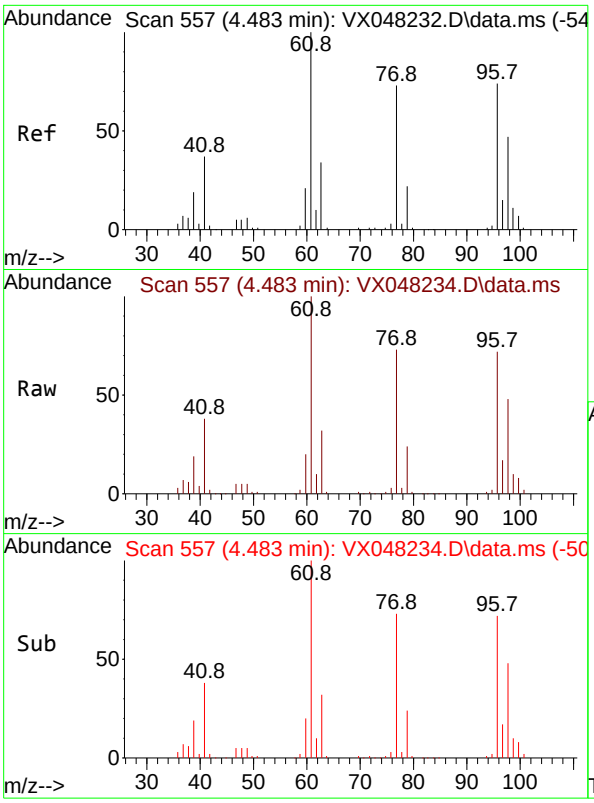


#26
2,2-Dichloropropane
Concen: 140.027 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 77 Resp: 310572

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.1	33.3





#27
cis-1,2-Dichloroethene
Concen: 139.465 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

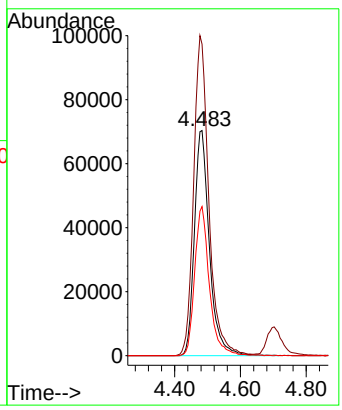
Tgt Ion: 96 Resp: 22235

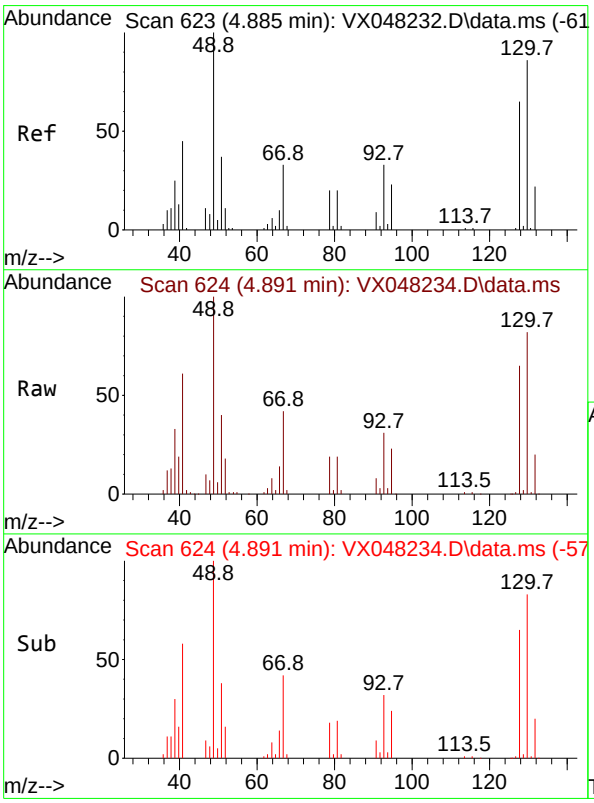
Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	294.2
98	65.1	0.0	128.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

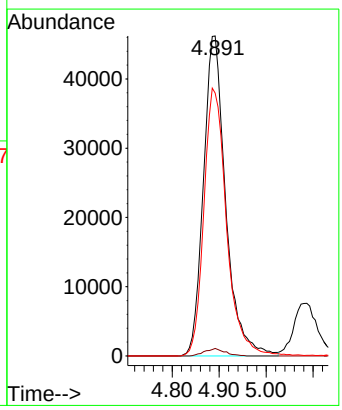


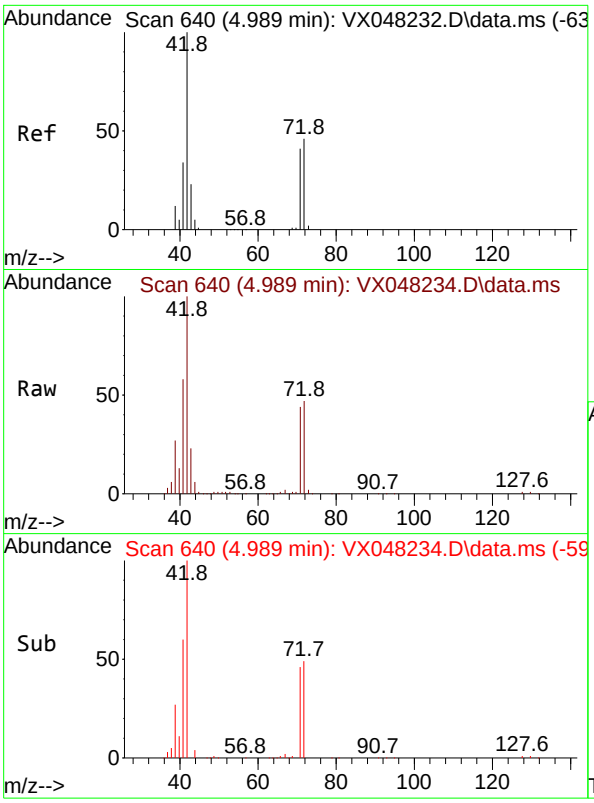


#28
Bromochloromethane
Concen: 126.922 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 49 Resp: 151812

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	85.6	59.3	88.9

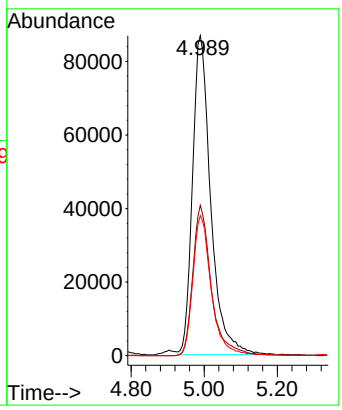




#29
Tetrahydrofuran
Concen: 744.697 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 42 Resp: 30174

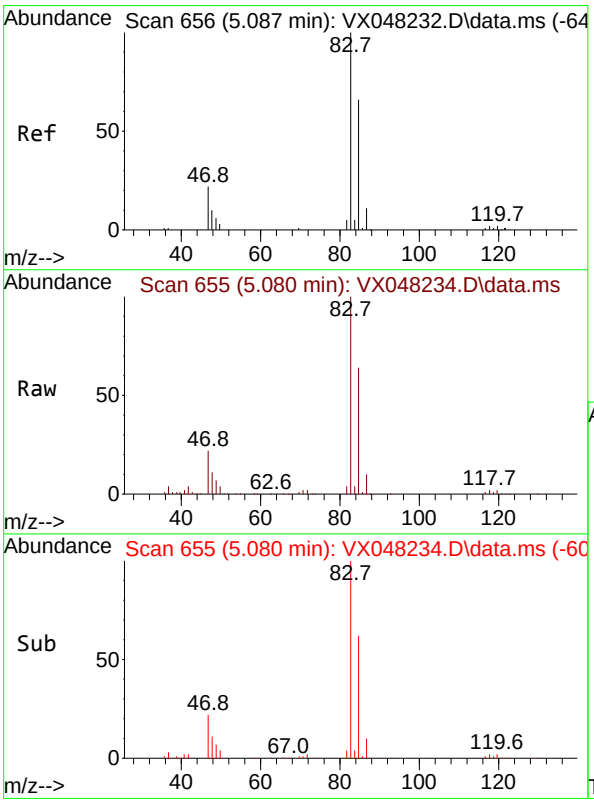
Ion	Ratio	Lower	Upper
42	100		
72	47.8	35.3	52.9
71	44.1	32.2	48.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

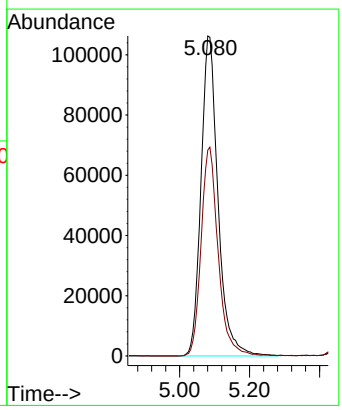
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

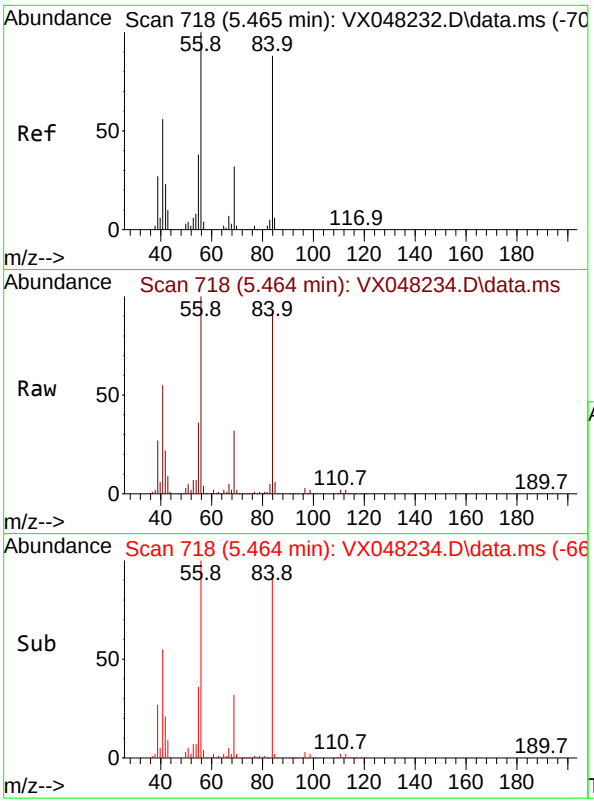


#30
Chloroform
Concen: 131.272 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 83 Resp: 358626

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.1	75.1





#31
Cyclohexane
Concen: 137.199 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

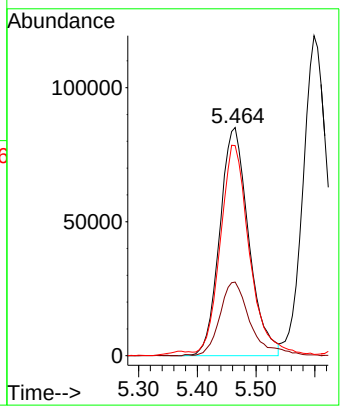
Tgt Ion: 56 Resp: 29130

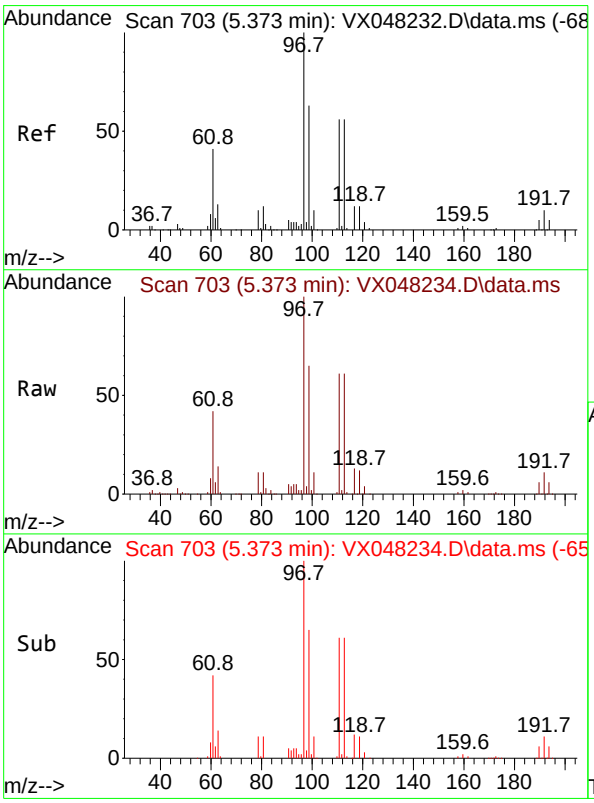
Ion	Ratio	Lower	Upper
56	100		
69	32.3	23.0	34.6
84	90.1	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

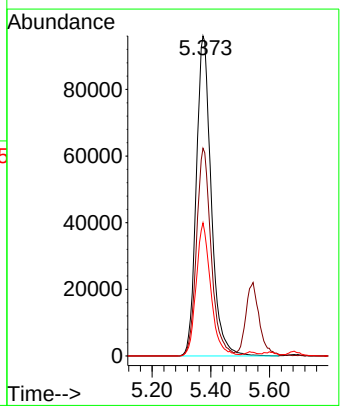


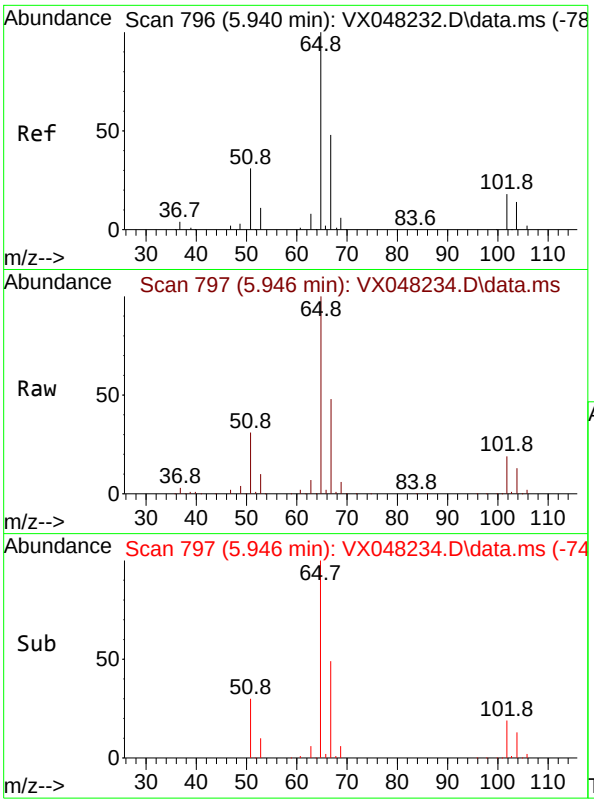


#32
1,1,1-Trichloroethane
Concen: 150.785 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 97 Resp: 338462

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.7	77.5
61	40.8	34.8	52.2

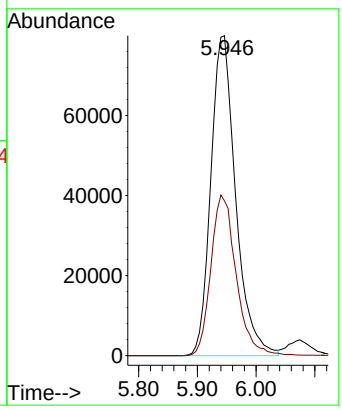




#33
1,2-Dichloroethane-d4
Concen: 135.251 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 65 Resp: 2348

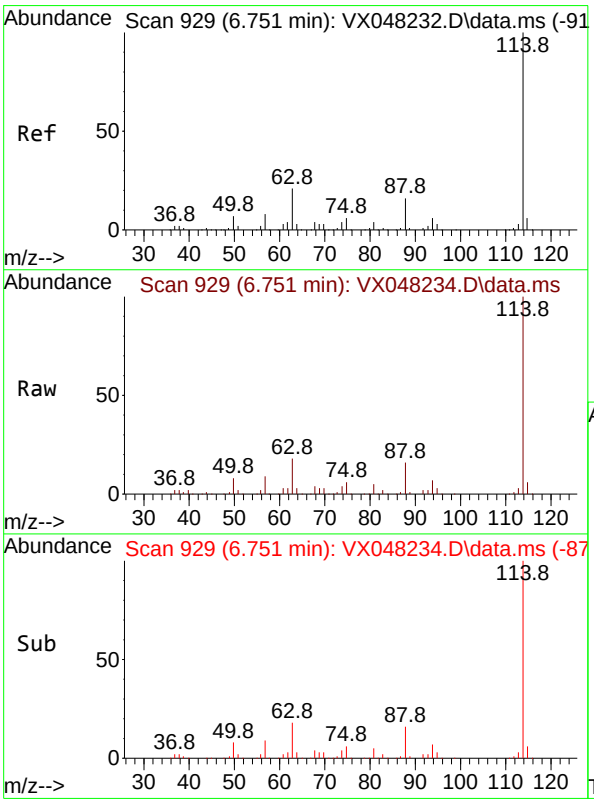
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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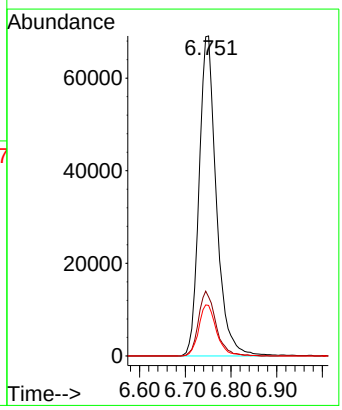
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

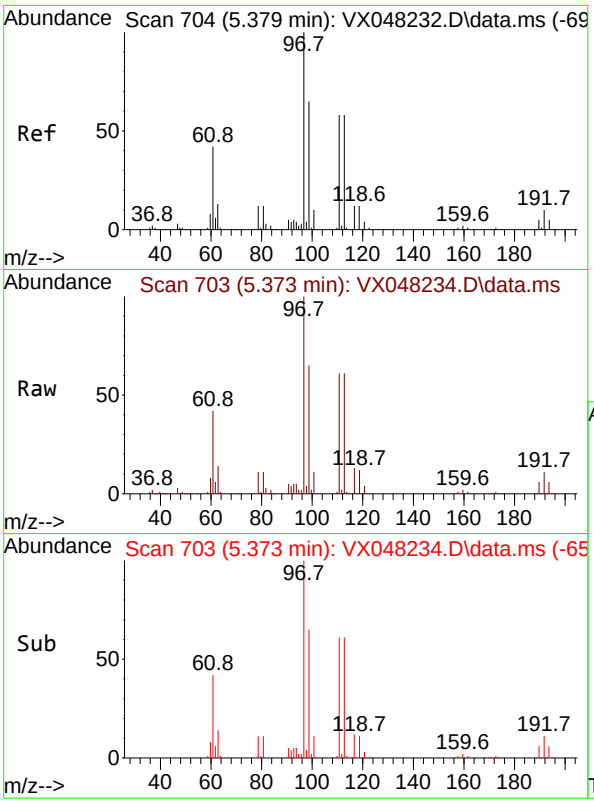


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:114 Resp: 180904

Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	43.2
88	15.8	0.0	33.6

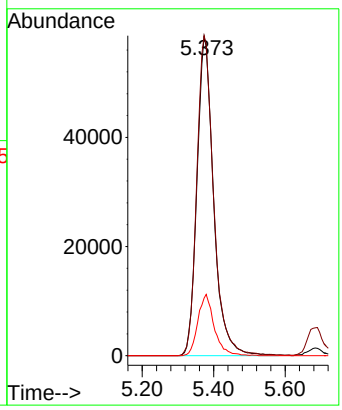




#35
Dibromofluoromethane
Concen: 150.393 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:113 Resp: 18882

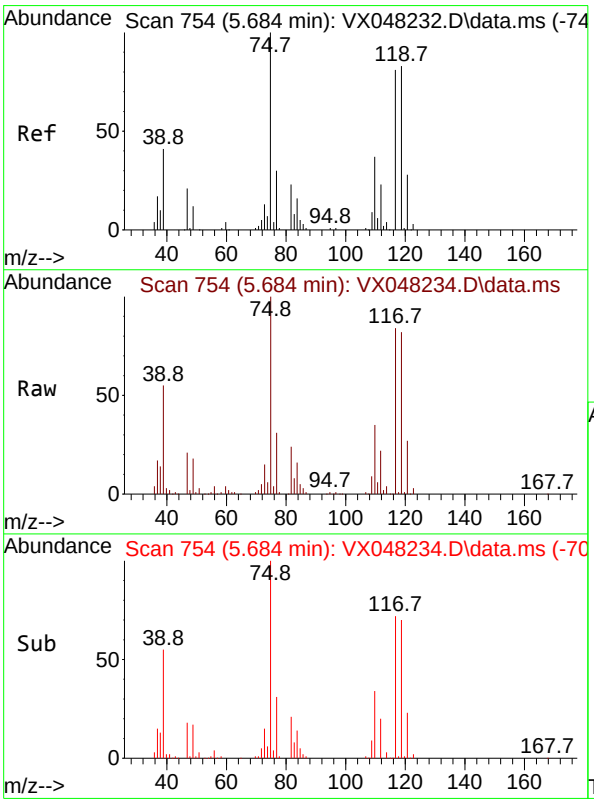
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	18.8	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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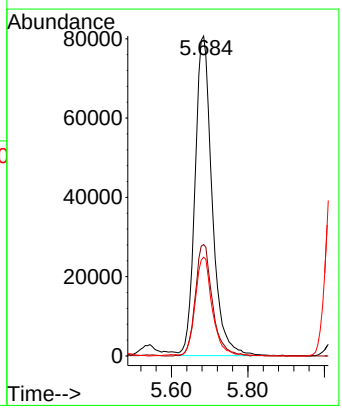
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

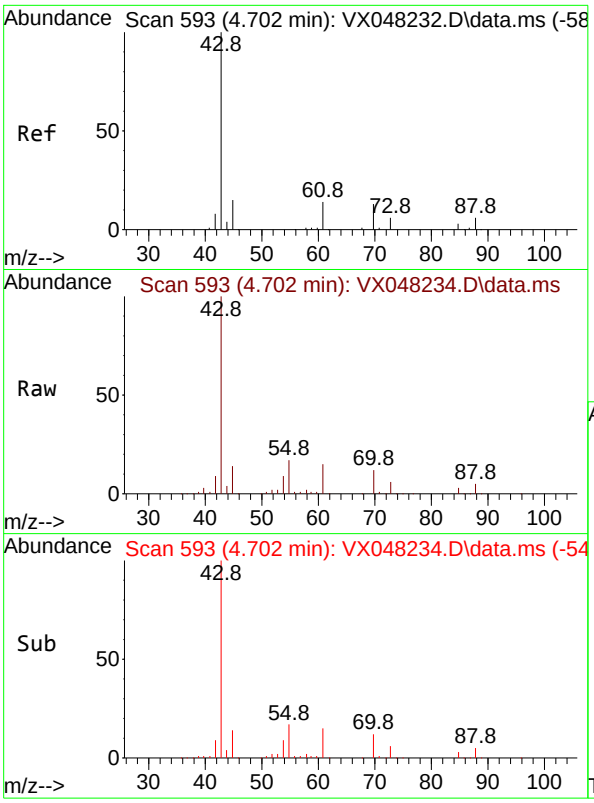


#36
1,1-Dichloropropene
Concen: 141.173 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 249688

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.7	53.1
77	31.2	24.3	36.5

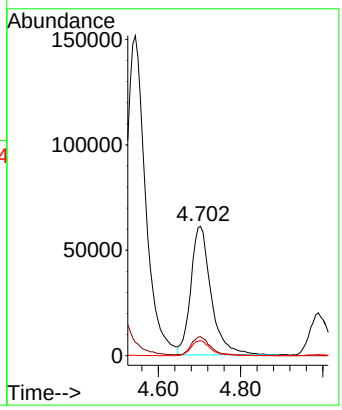




#37
Ethyl Acetate
Concen: 147.588 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 20861

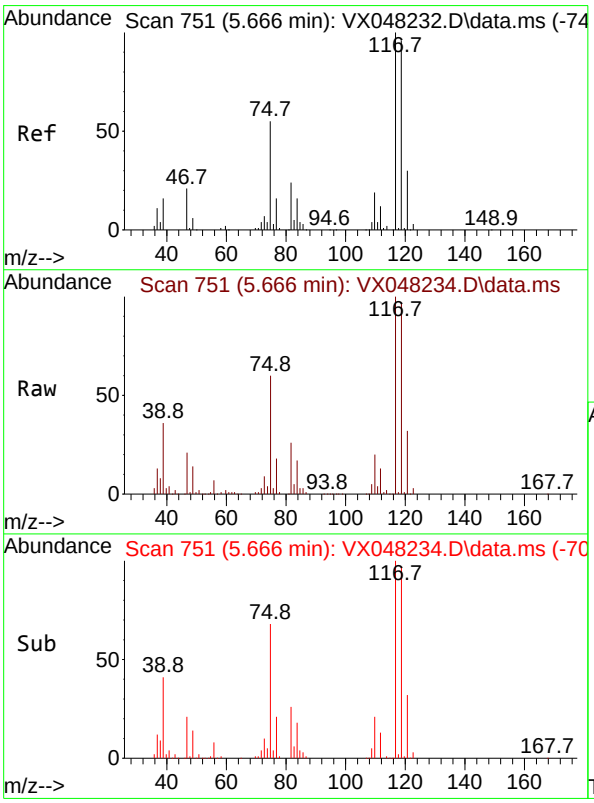
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.6	15.8
70	11.2	7.8	11.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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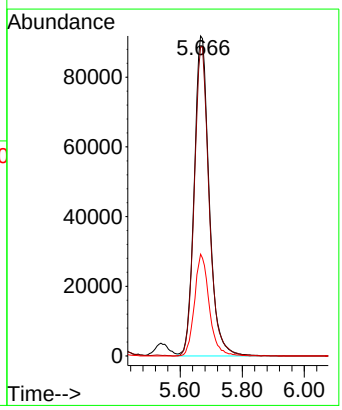
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

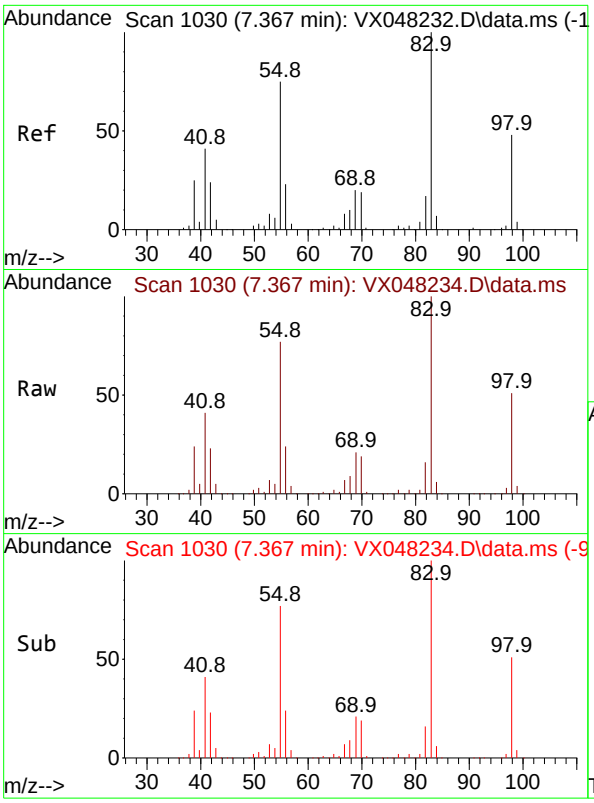


#38
Carbon Tetrachloride
Concen: 151.663 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:117 Resp: 307892

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.2	115.8
121	31.8	24.8	37.2

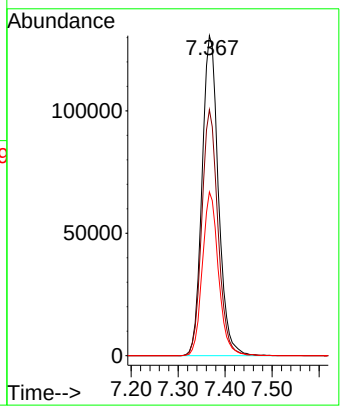




#39
Methylcyclohexane
Concen: 158.416 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 83 Resp: 31591

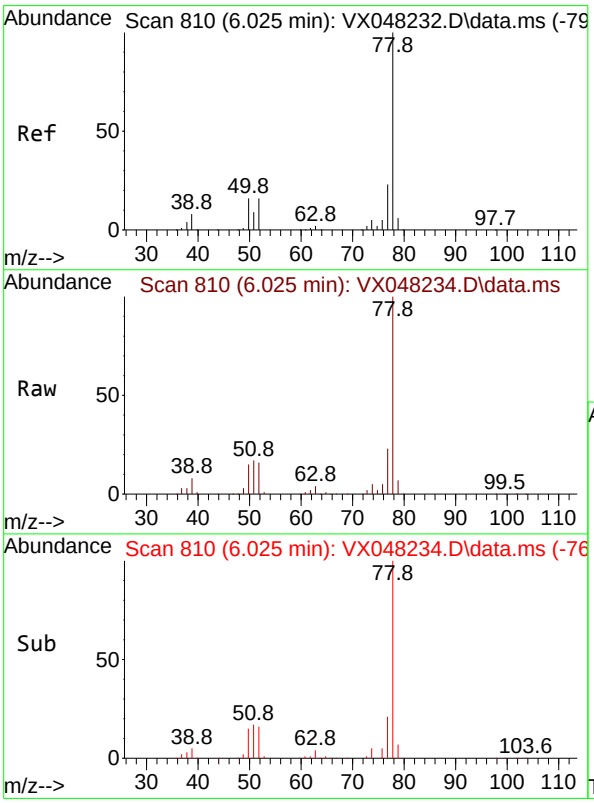
Ion	Ratio	Lower	Upper
83	100		
55	76.9	66.2	99.2
98	51.1	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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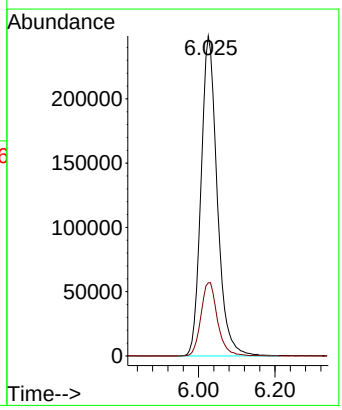
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

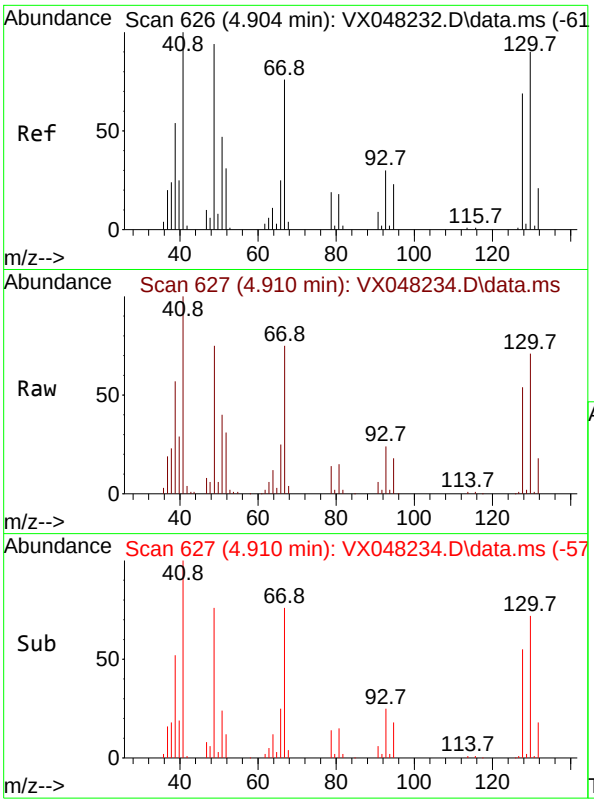


#40
Benzene
Concen: 139.172 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 78 Resp: 730908

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.3	28.9

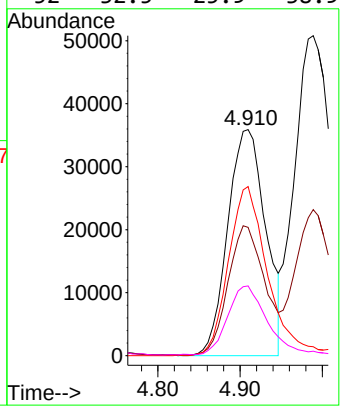




#41
Methacrylonitrile
Concen: 152.378 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 41 Resp: 11535

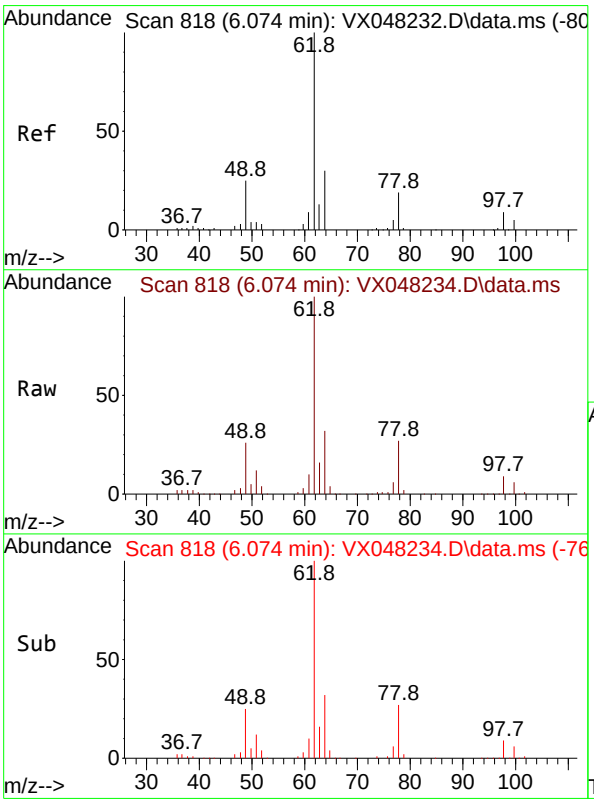
Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.0	66.0
67	78.1	58.7	88.1
52	32.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

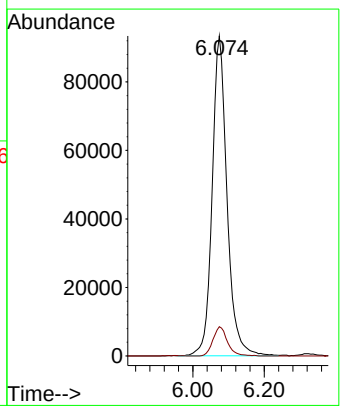
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

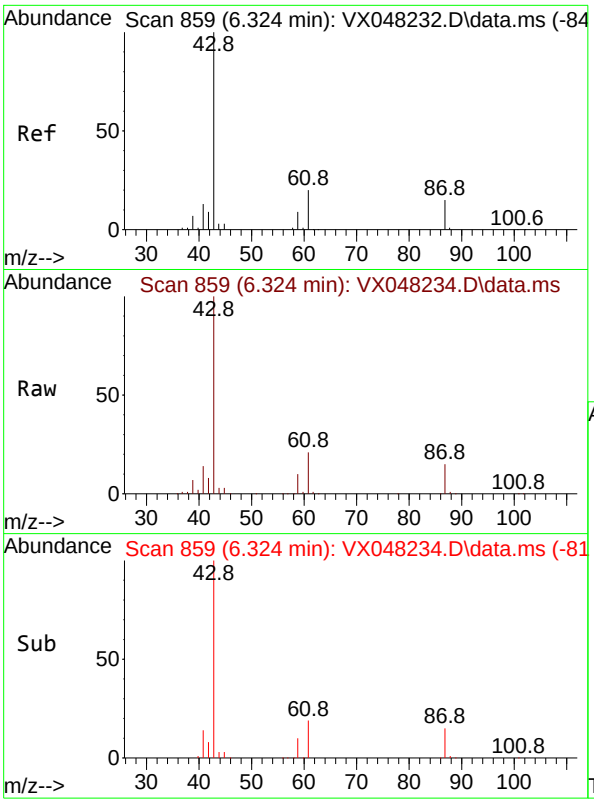


#42
1,2-Dichloroethane
Concen: 143.093 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 62 Resp: 269245

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2





#43
Isopropyl Acetate
Concen: 152.180 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

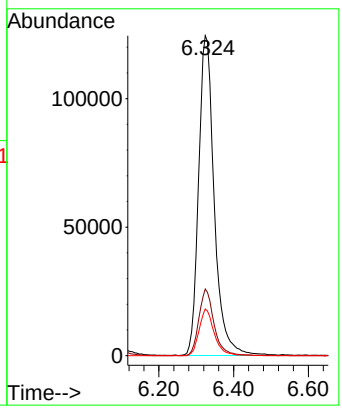
Tgt Ion: 43 Resp: 36108

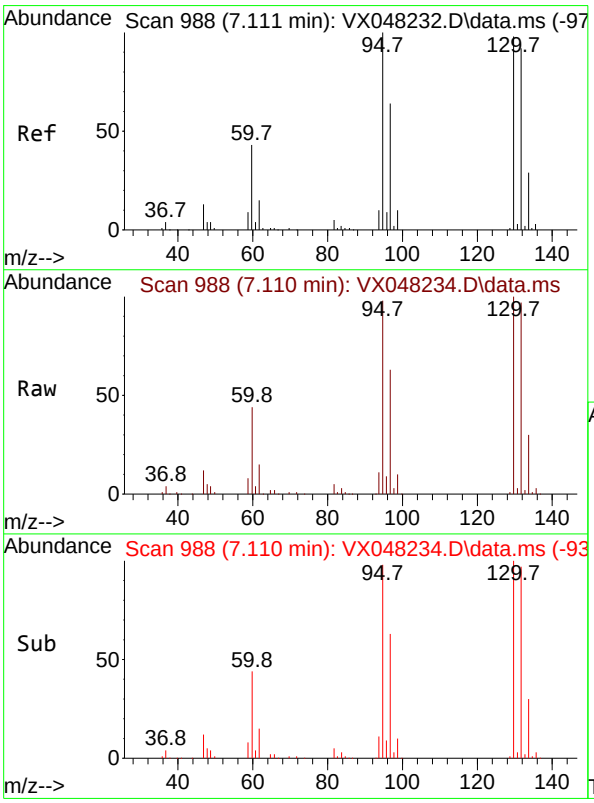
Ion	Ratio	Lower	Upper
43	100		
61	20.2	14.9	22.3
87	14.0	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

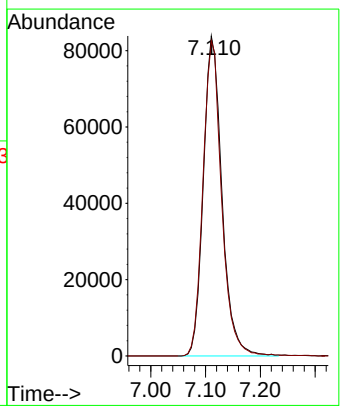


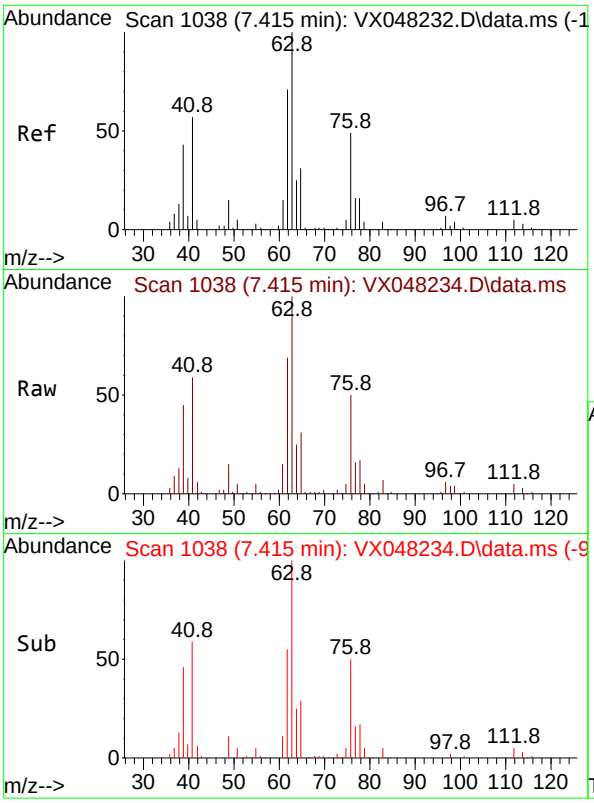


#44
Trichloroethene
Concen: 149.022 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:130 Resp: 197244

Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	200.6





#45
1,2-Dichloropropane
Concen: 135.890 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

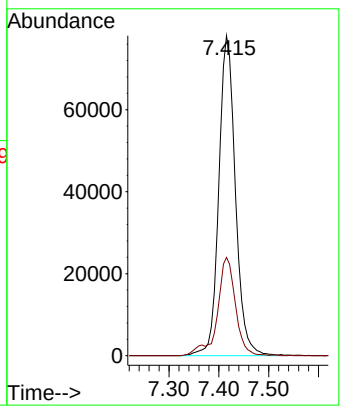
Tgt Ion: 63 Resp: 18061

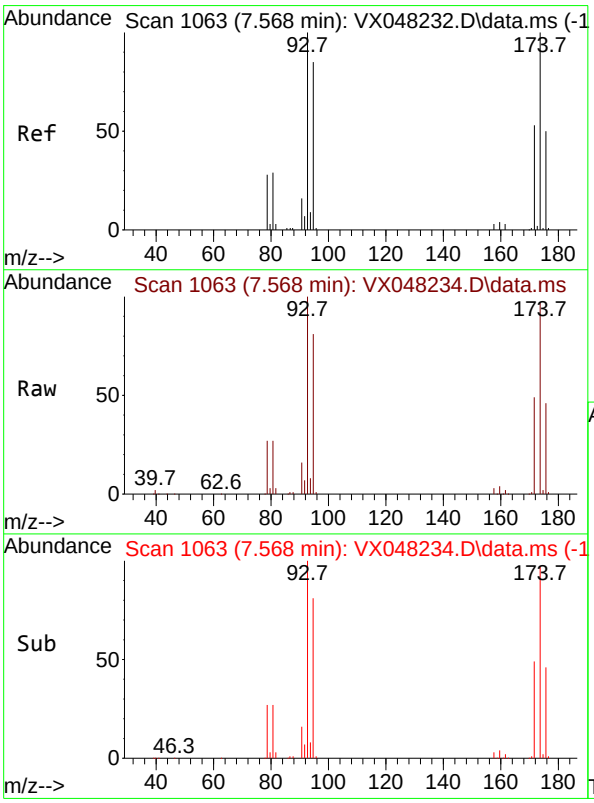
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

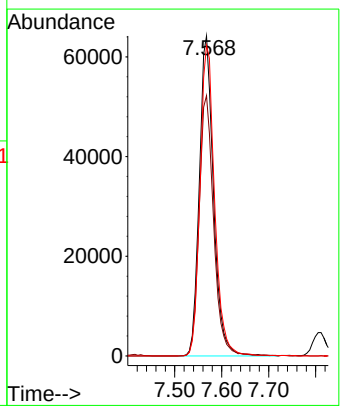


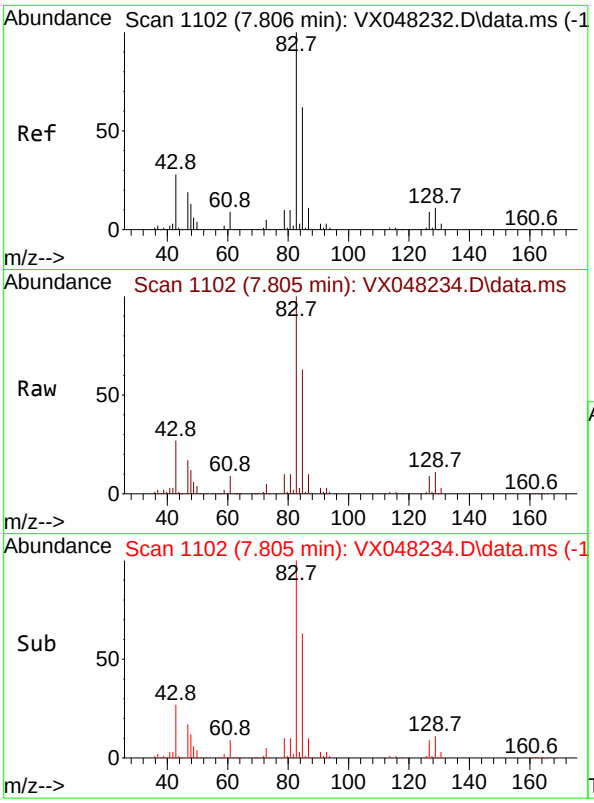


#46
Dibromomethane
Concen: 141.273 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 93 Resp: 135105

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.9	98.9
174	99.5	71.7	107.5

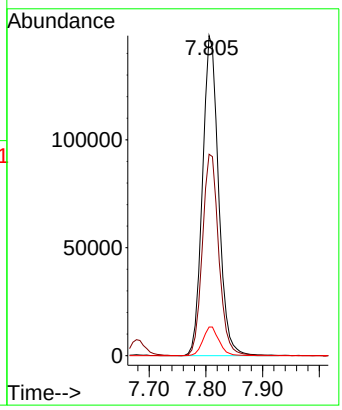




#47
Bromodichloromethane
Concen: 141.302 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 83 Resp: 29206

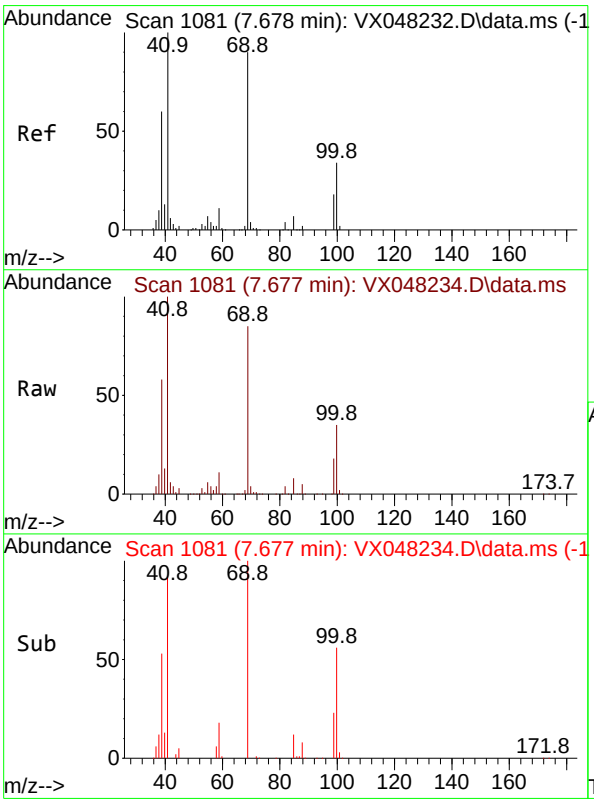
Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.4
127	8.9	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

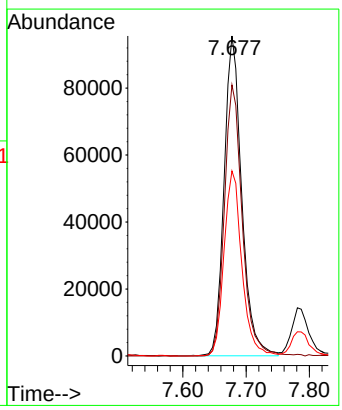
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

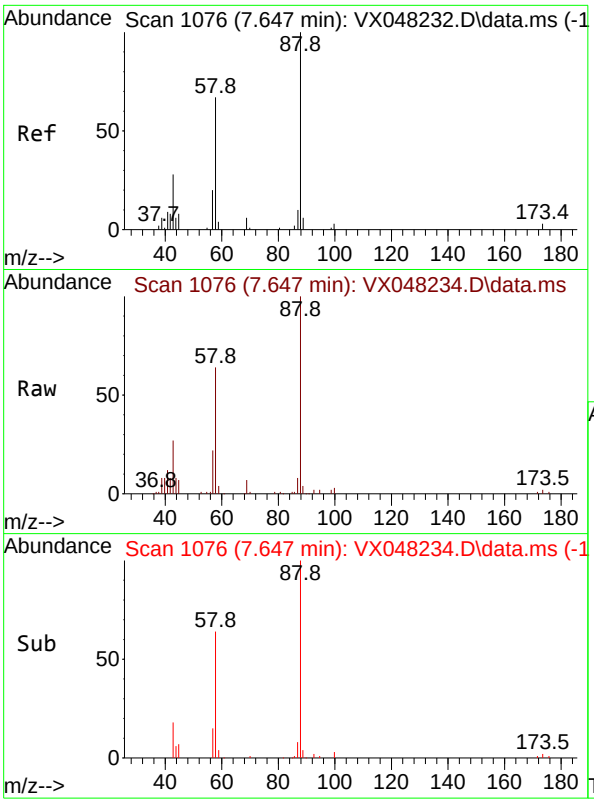


#48
Methyl methacrylate
Concen: 151.780 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 41 Resp: 184354

Ion	Ratio	Lower	Upper
41	100		
69	86.0	63.4	95.0
39	58.5	47.1	70.7

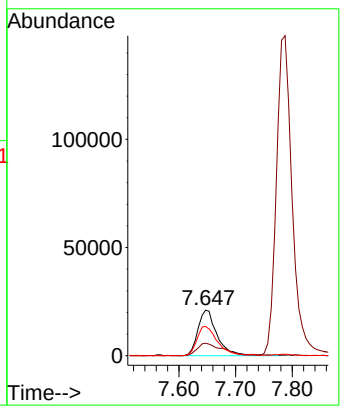




#49
1,4-Dioxane
Concen: 4563.512 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 88 Resp: 4989

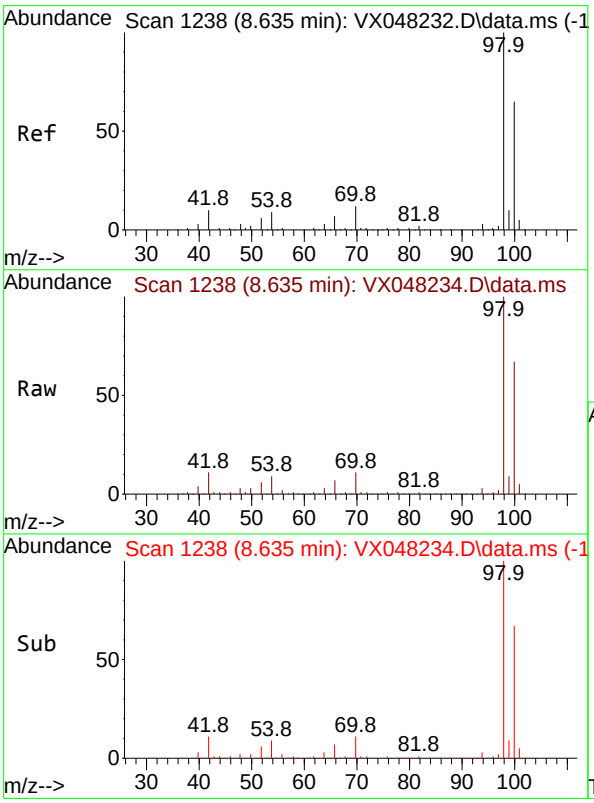
Ion	Ratio	Lower	Upper
88	100		
43	35.6	35.0	52.4
58	67.7	61.9	92.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

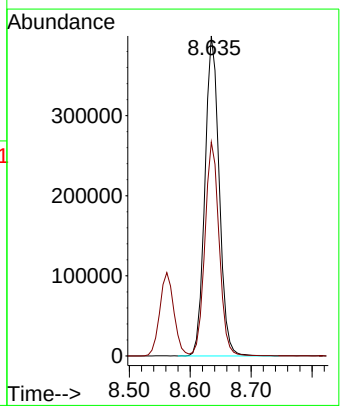
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

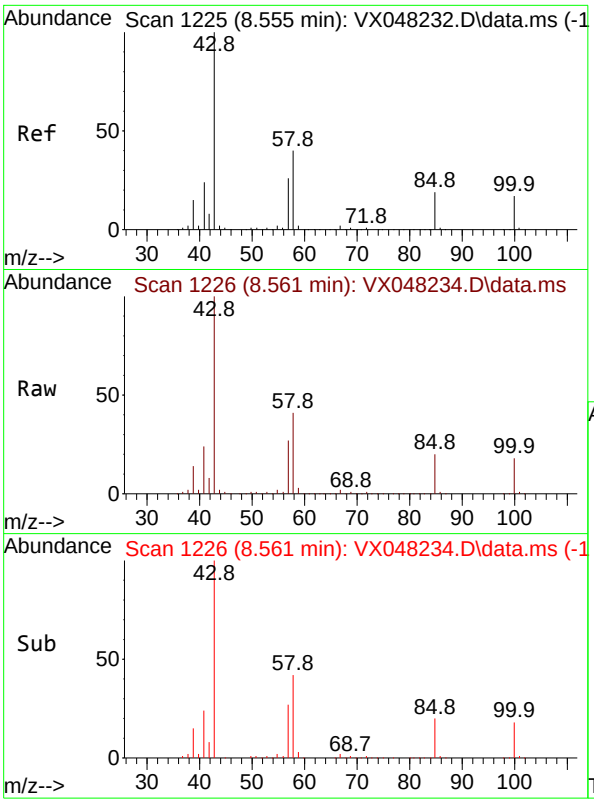


#50
Toluene-d8
Concen: 143.408 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 98 Resp: 648652

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 744.604 ug/l
RT: 8.561 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

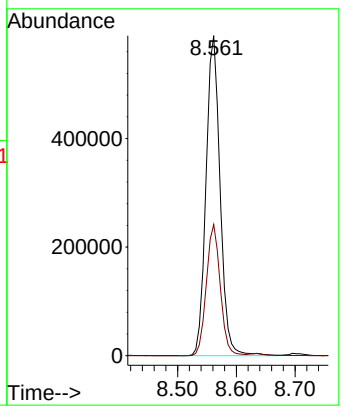
Tgt Ion: 43 Resp: 98312

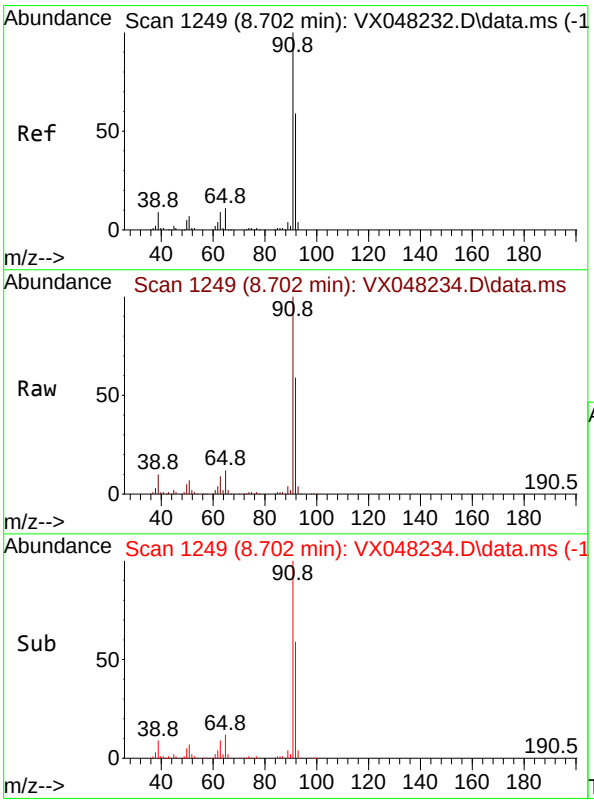
Ion	Ratio	Lower	Upper
43	100		
58	40.4	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

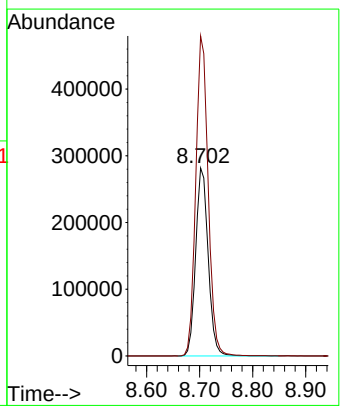


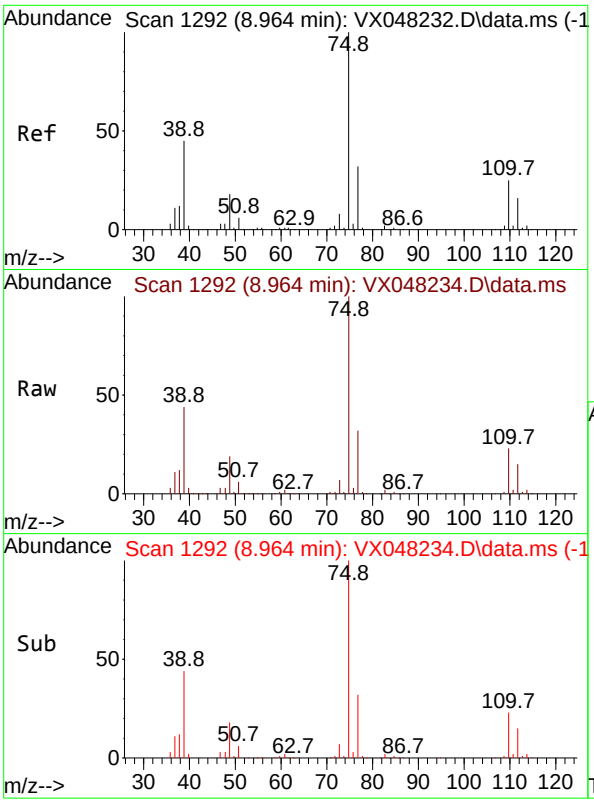


#52
Toluene
Concen: 145.964 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 92 Resp: 460742

Ion	Ratio	Lower	Upper
92	100		
91	169.1	136.1	204.1

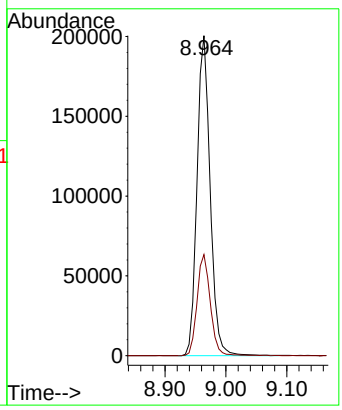




#53
t-1,3-Dichloropropene
Concen: 155.059 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 30025

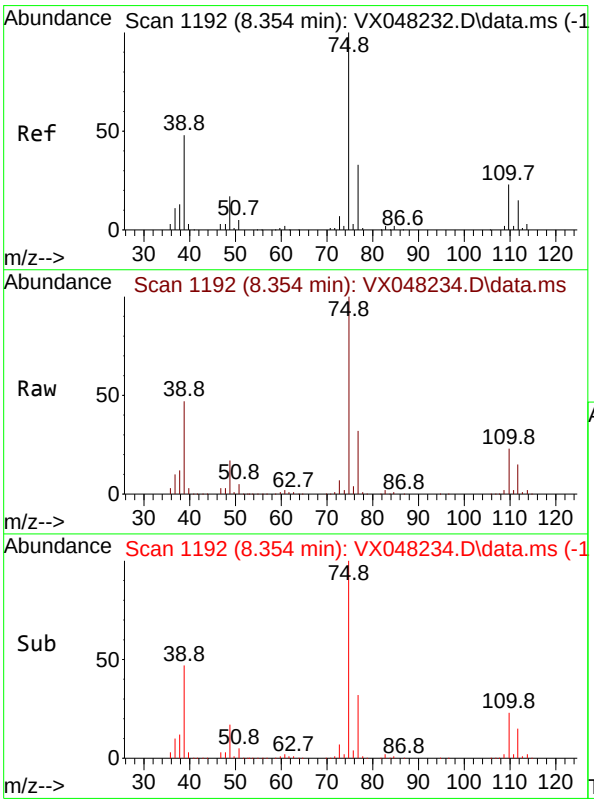
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

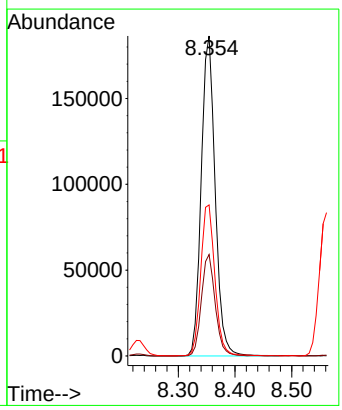
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

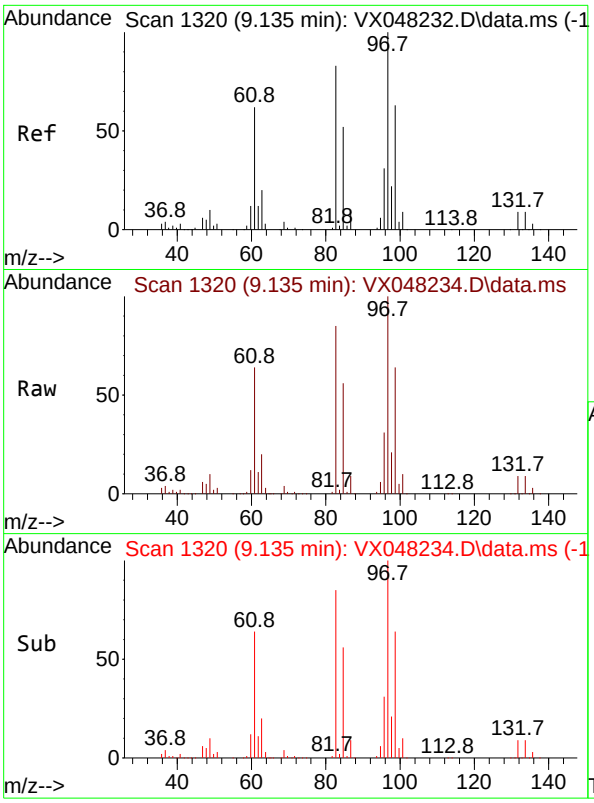


#54
cis-1,3-Dichloropropene
Concen: 150.373 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 317375

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3
39	47.1	42.6	64.0

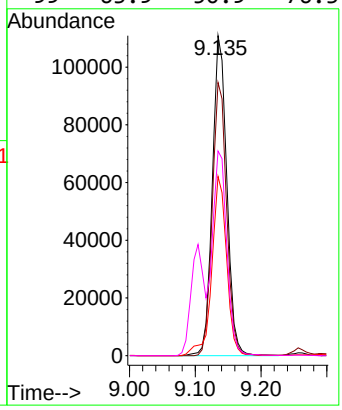




#55
1,1,2-Trichloroethane
Concen: 144.250 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 97 Resp: 16989

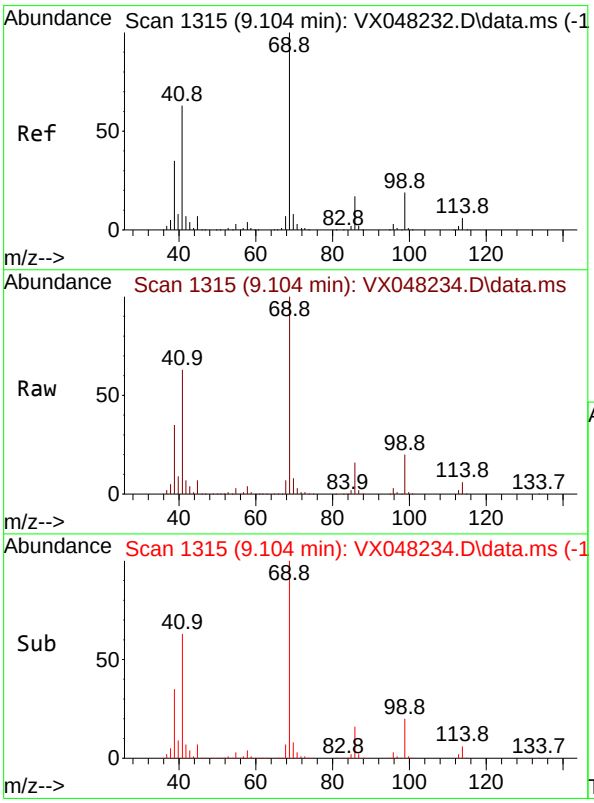
Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.6	105.8
85	56.0	45.0	67.6
99	63.9	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

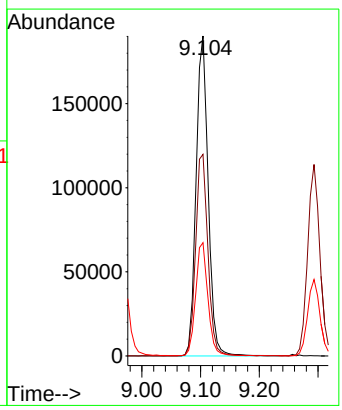
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

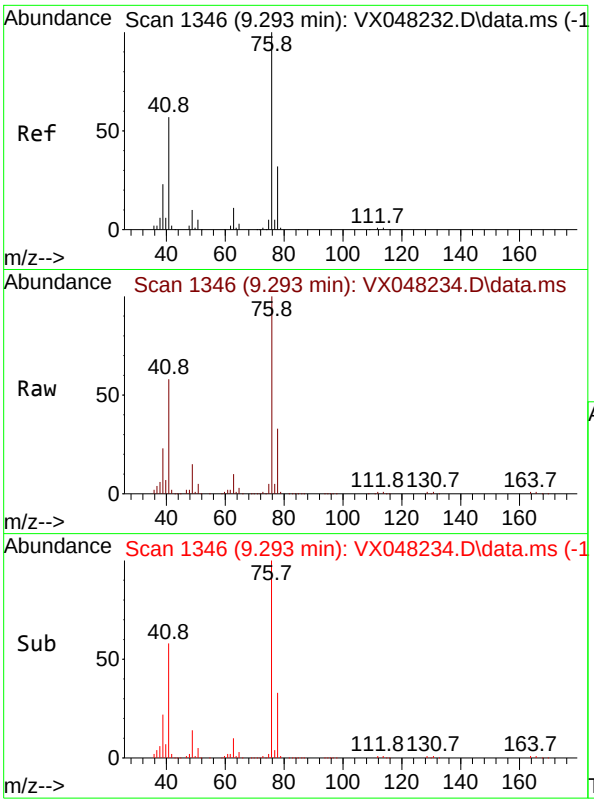


#56
Ethyl methacrylate
Concen: 169.911 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 69 Resp: 272177

Ion	Ratio	Lower	Upper
69	100		
41	64.4	56.0	84.0
39	36.1	31.6	47.4





#57
1,3-Dichloropropane
Concen: 142.707 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

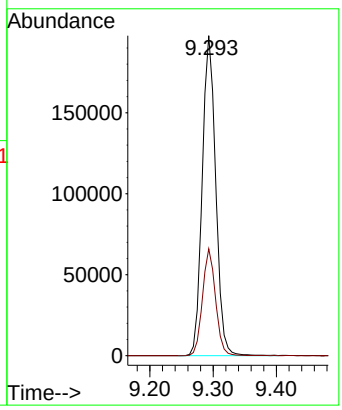
Tgt Ion: 76 Resp: 29365

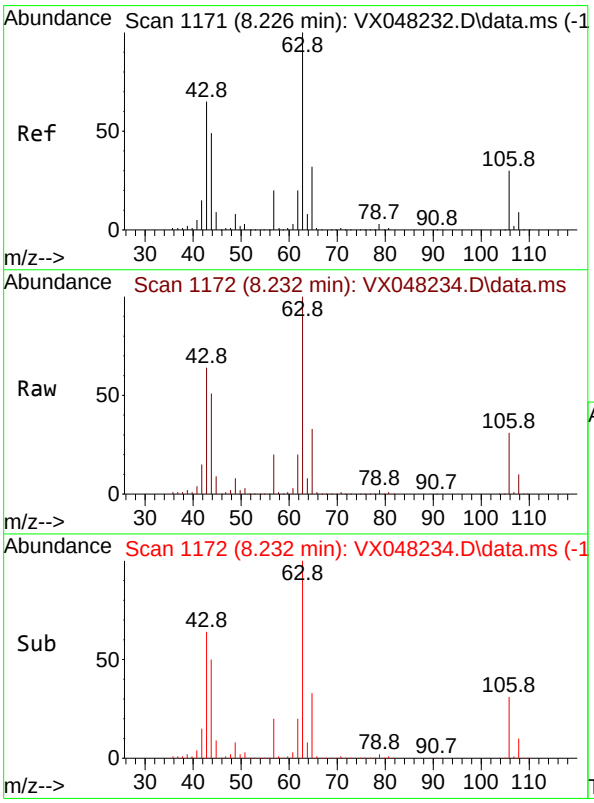
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

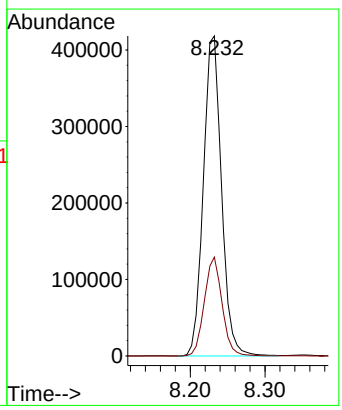


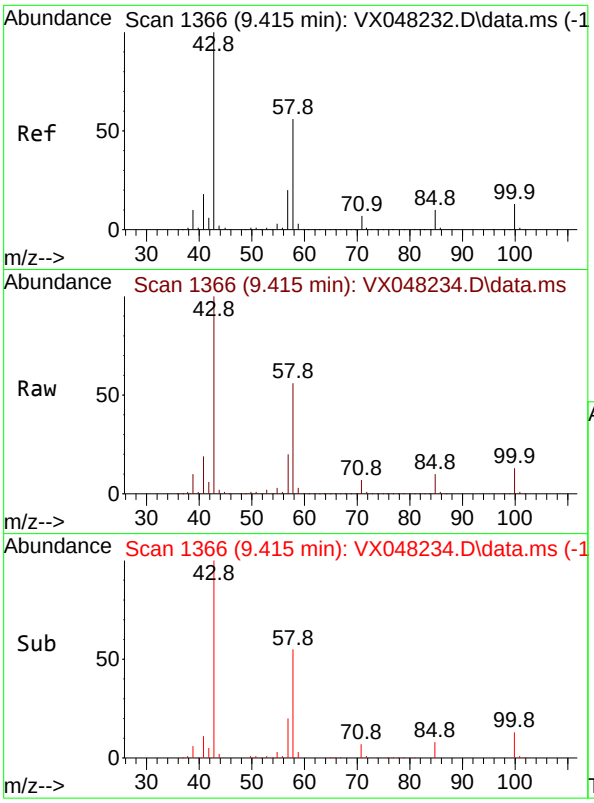


#58
2-Chloroethyl Vinyl ether
Concen: 858.056 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 63 Resp: 705780

Ion	Ratio	Lower	Upper
63	100		
106	30.2	22.2	33.2





#59
2-Hexanone
Concen: 752.256 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

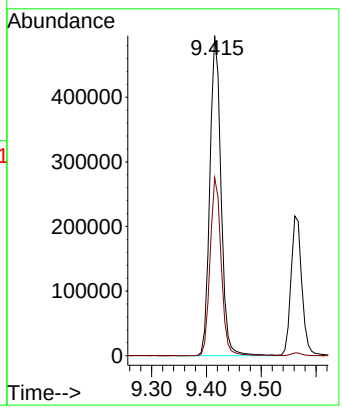
Tgt Ion: 43 Resp: 69473

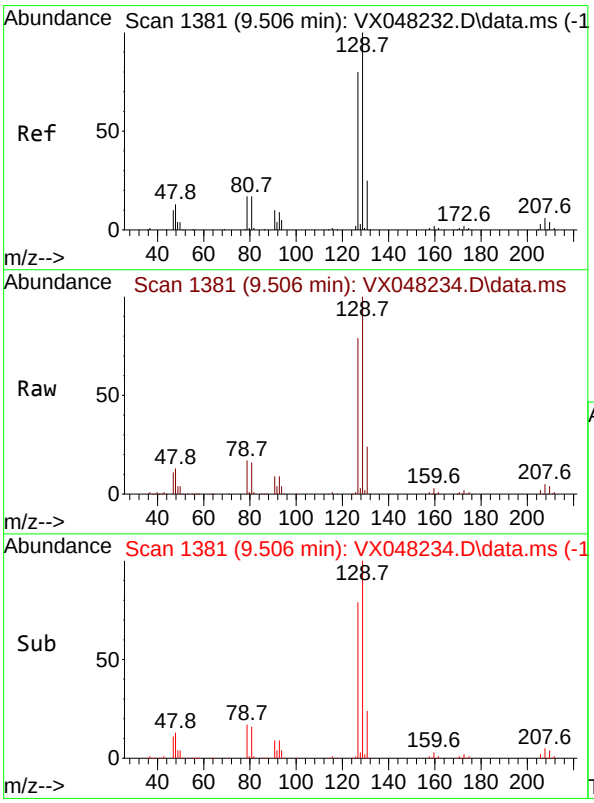
Ion	Ratio	Lower	Upper
43	100		
58	55.6	26.3	78.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

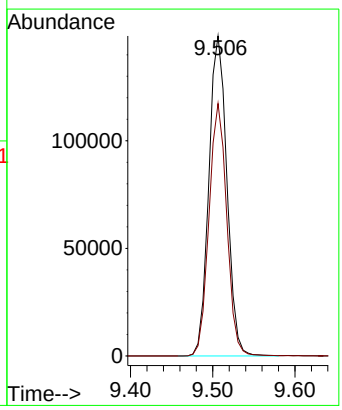


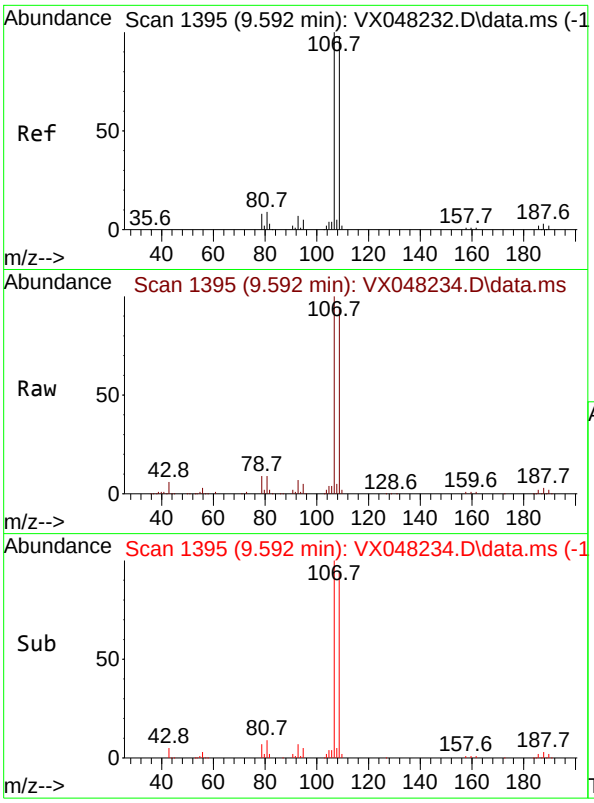


#60
Dibromochloromethane
Concen: 153.740 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:129 Resp: 226642

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.7





#61
1,2-Dibromoethane
Concen: 150.876 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

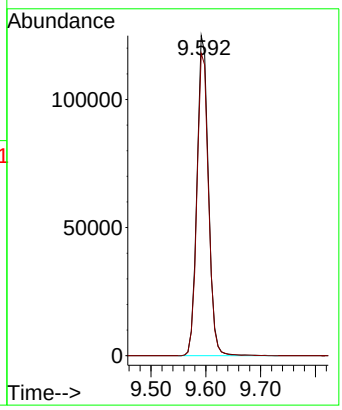
Tgt Ion:107 Resp: 18220

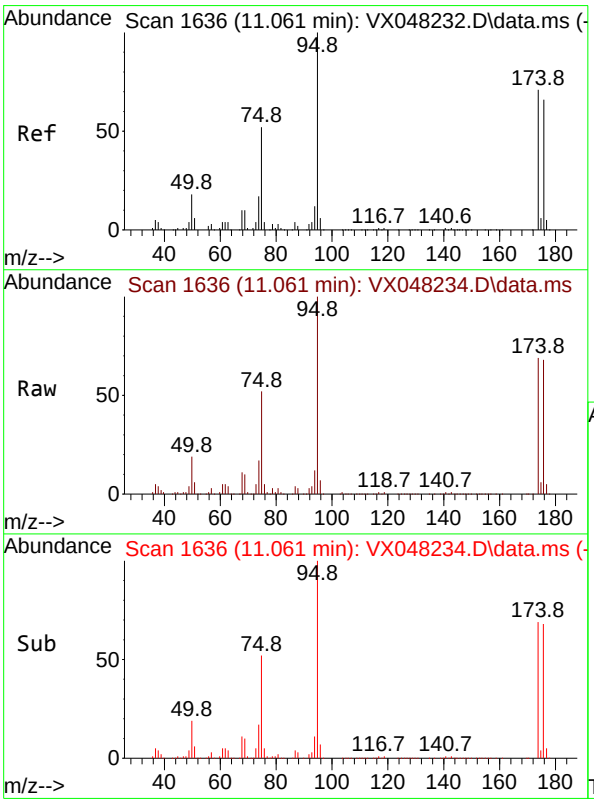
Ion	Ratio	Lower	Upper
107	100		
109	95.6	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

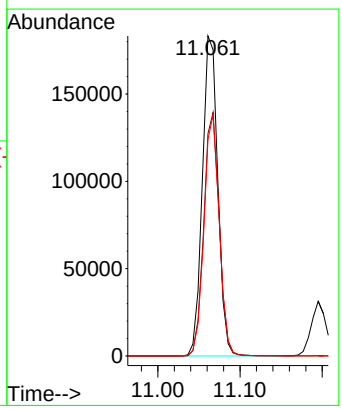


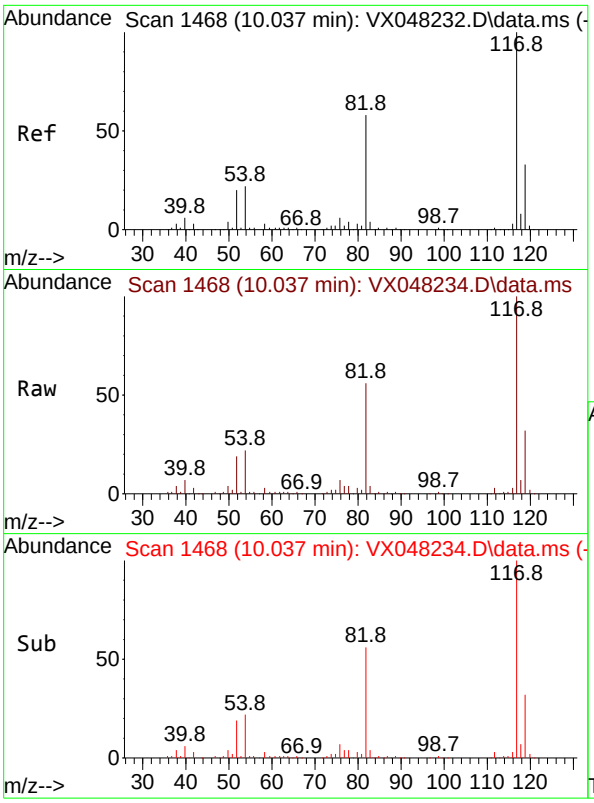


#62
4-Bromofluorobenzene
Concen: 145.255 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 95 Resp: 239298

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	147.8
176	74.2	0.0	142.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

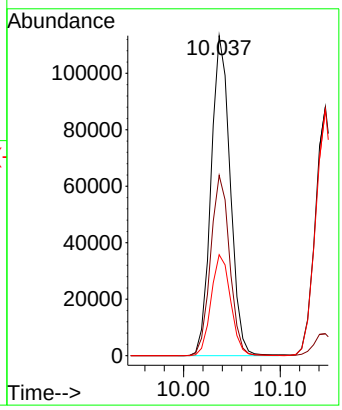
Tgt Ion:117 Resp: 15575

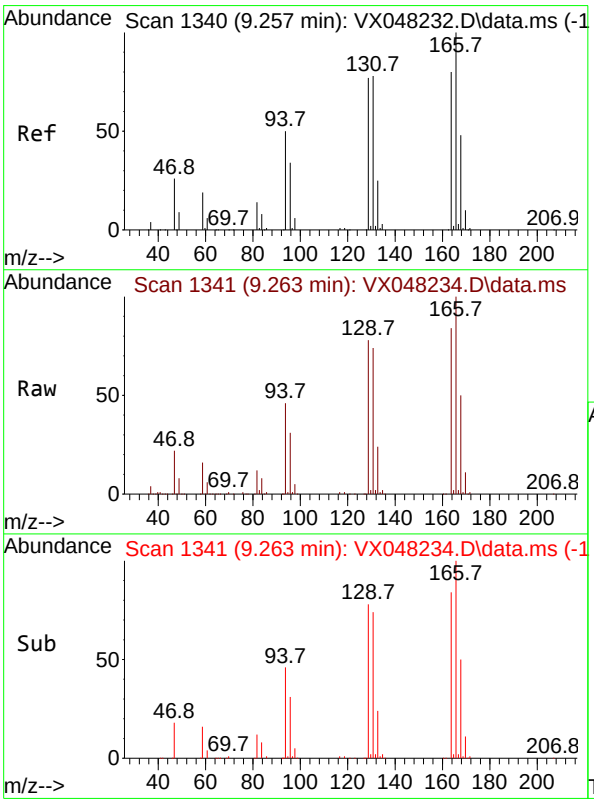
Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.5	69.7
119	31.5	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

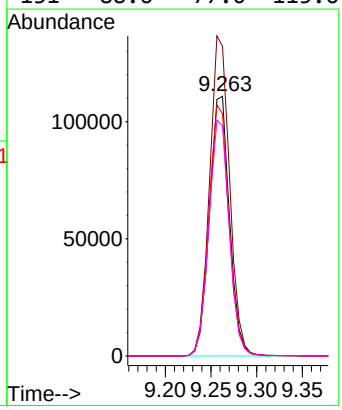


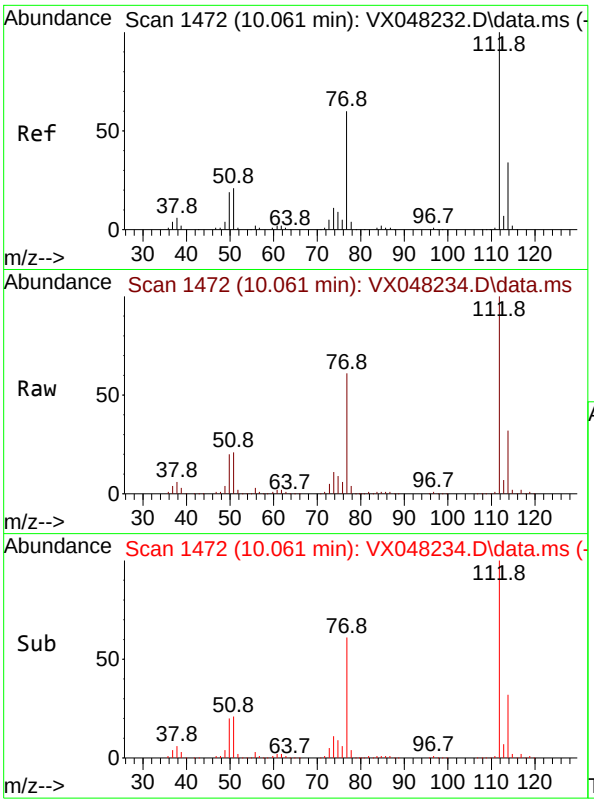


#64
Tetrachloroethene
Concen: 154.361 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:164 Resp: 168581

Ion	Ratio	Lower	Upper
164	100		
166	119.3	104.5	156.7
129	93.2	81.8	122.6
131	88.6	77.0	115.6

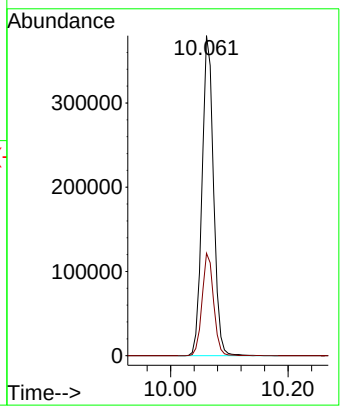




#65
Chlorobenzene
Concen: 151.209 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:112 Resp: 51496

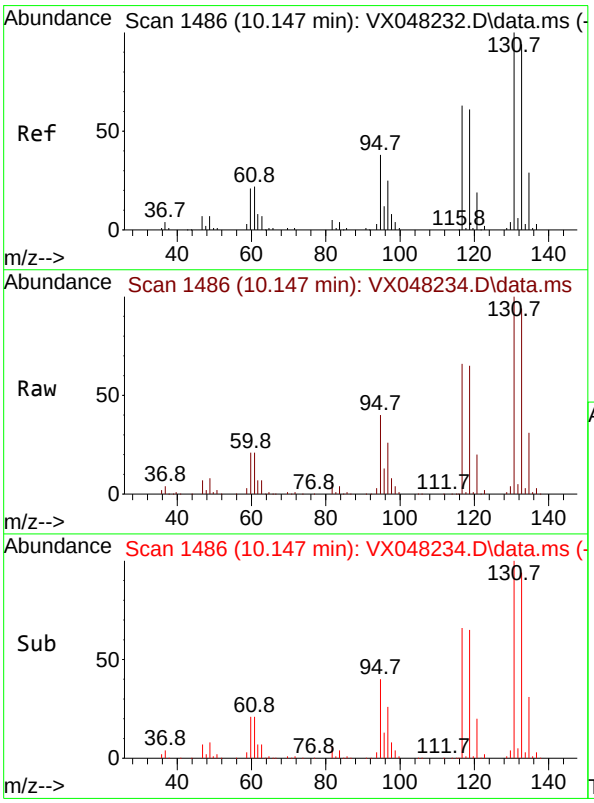
Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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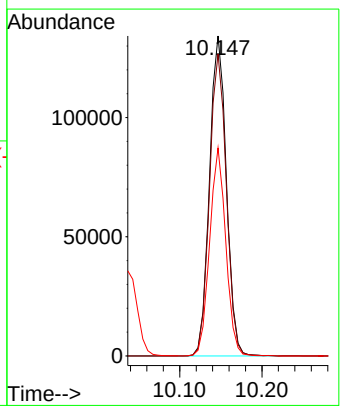
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

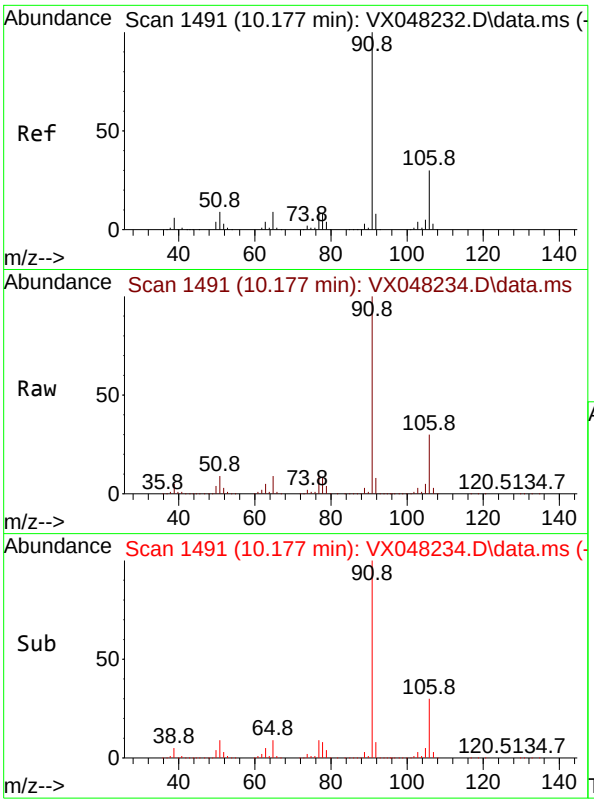


#66
1,1,1,2-Tetrachloroethane
Concen: 155.782 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:131 Resp: 191186

Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.6	142.8
119	62.3	32.5	97.5





#67
Ethyl Benzene
Concen: 153.825 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

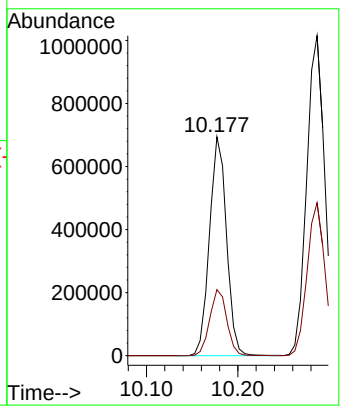
Tgt Ion: 91 Resp: 89813

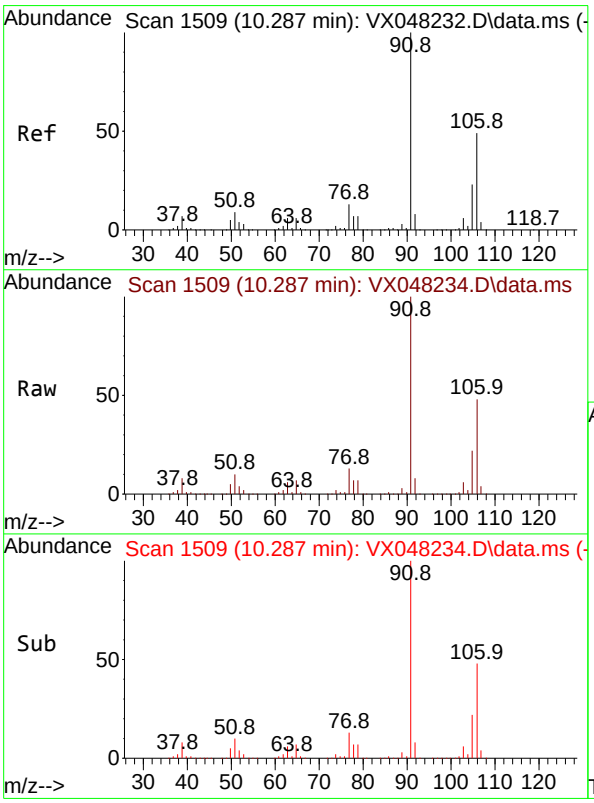
Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

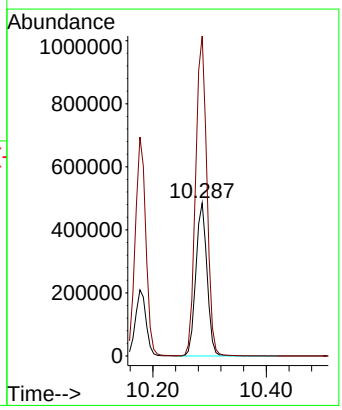


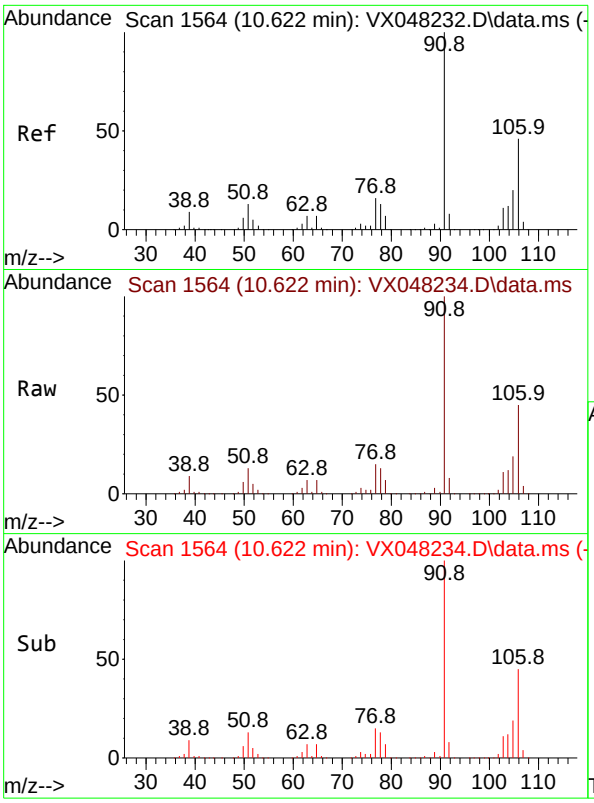


#68
m/p-Xylenes
Concen: 303.896 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:106 Resp: 661019

Ion	Ratio	Lower	Upper
106	100		
91	211.4	167.9	251.9





#69
o-Xylene
Concen: 156.444 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

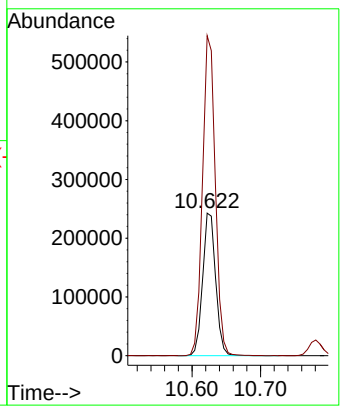
Tgt Ion:106 Resp: 32033

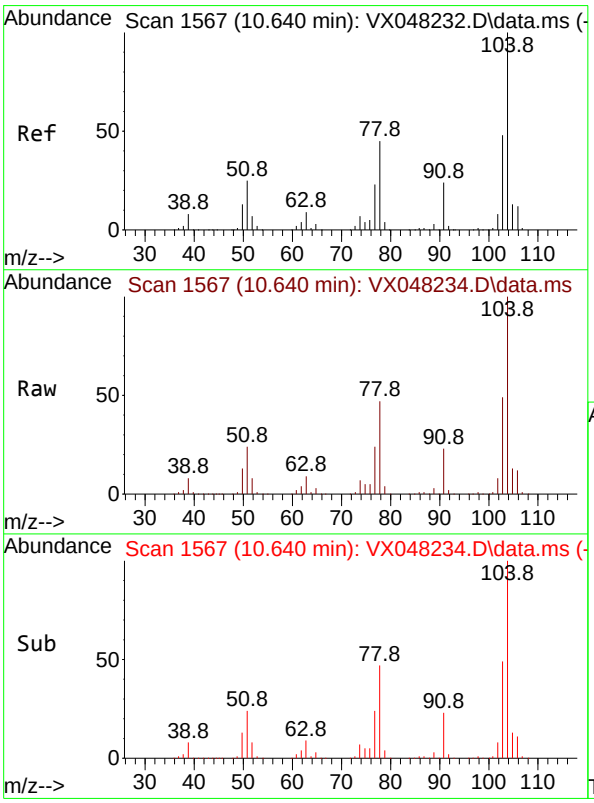
Ion	Ratio	Lower	Upper
106	100		
91	221.5	111.3	333.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

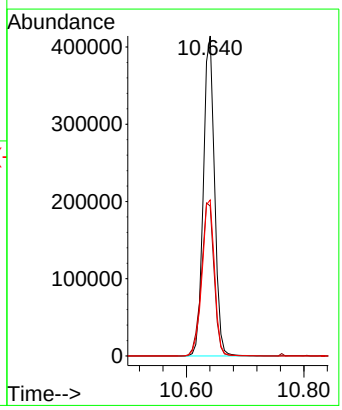


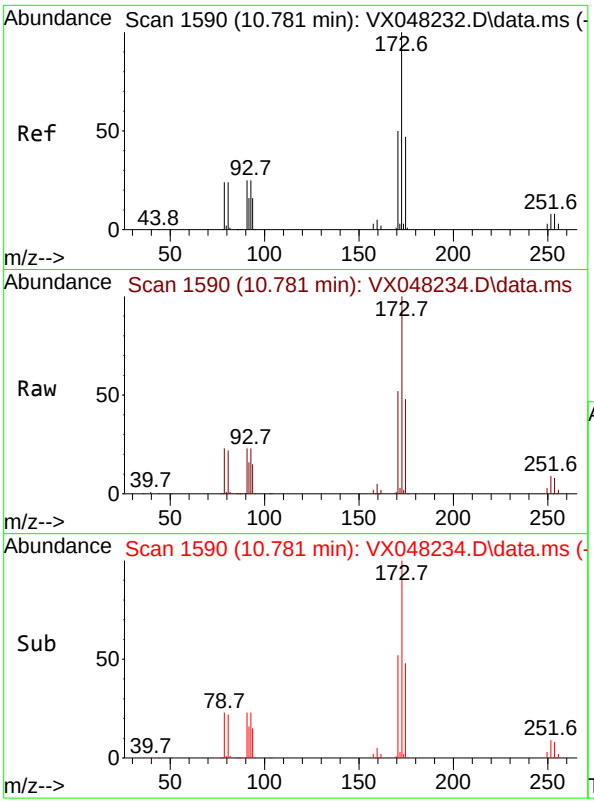


#70
Styrene
Concen: 155.523 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:104 Resp: 548149

Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.2	63.4
103	54.4	43.0	64.4

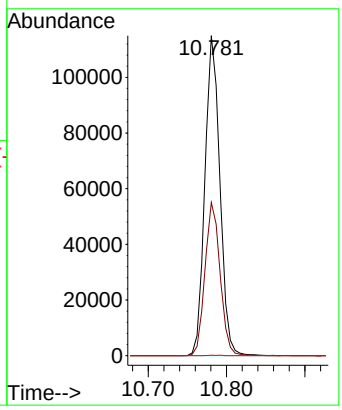




#71
Bromoform
Concen: 168.892 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:173 Resp: 15220

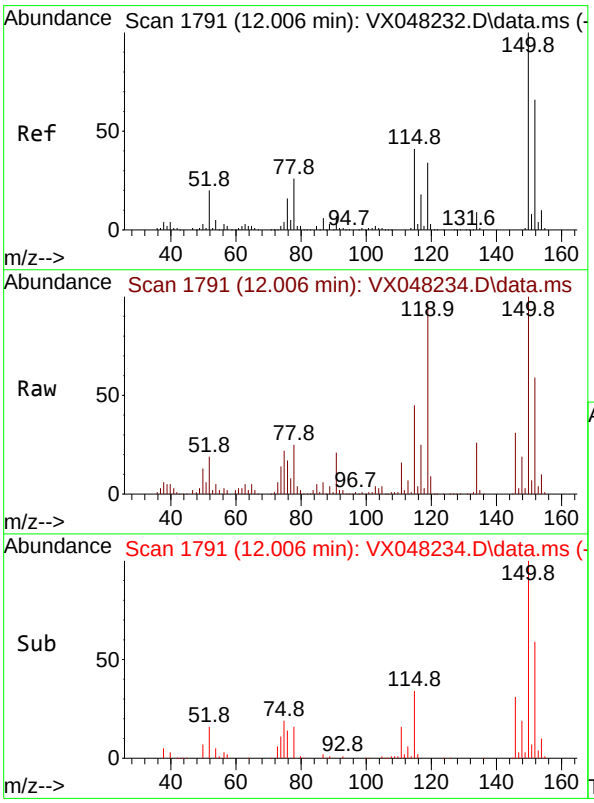
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.0	72.0
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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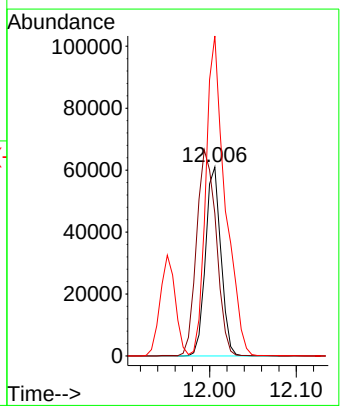
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

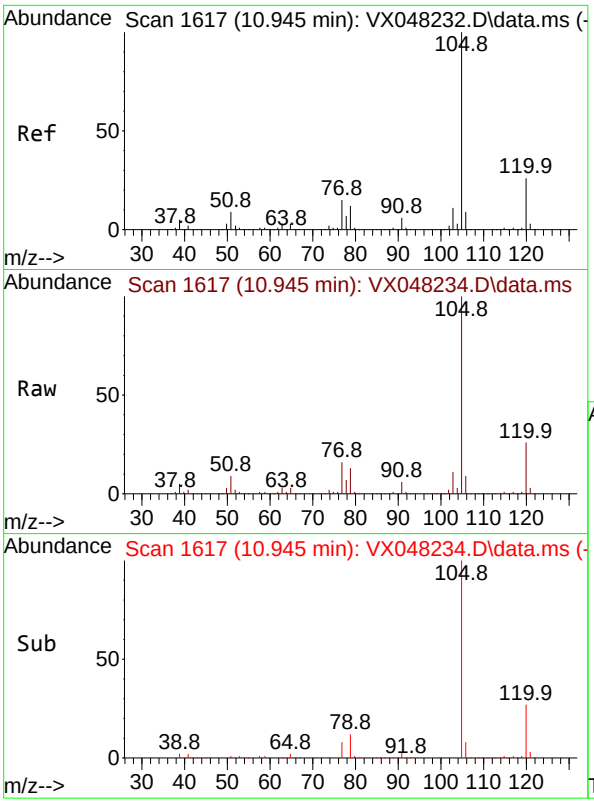


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:152 Resp: 75397

Ion	Ratio	Lower	Upper
152	100		
115	138.9	43.1	129.4#
150	212.6	0.0	353.0





#73
Isopropylbenzene
Concen: 161.931 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

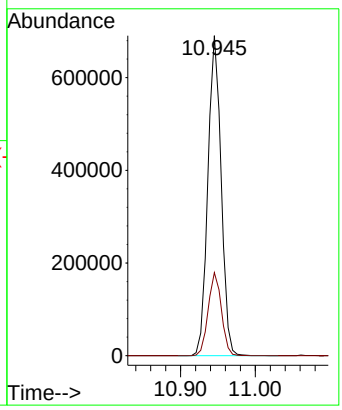
Tgt Ion:105 Resp: 84918

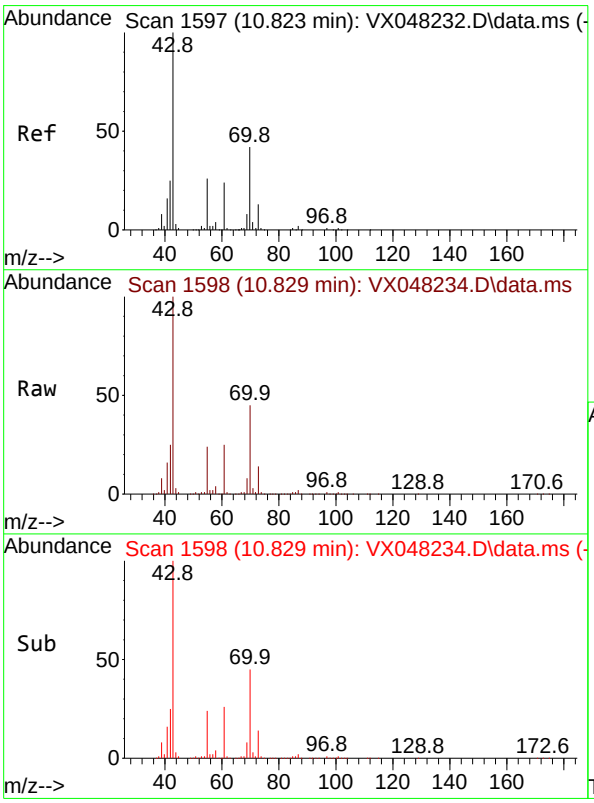
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

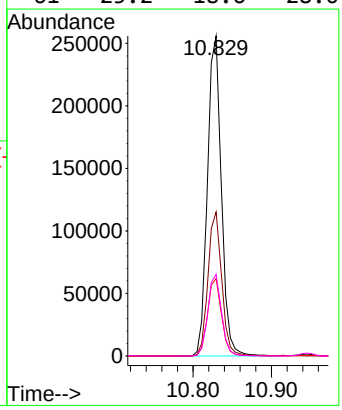


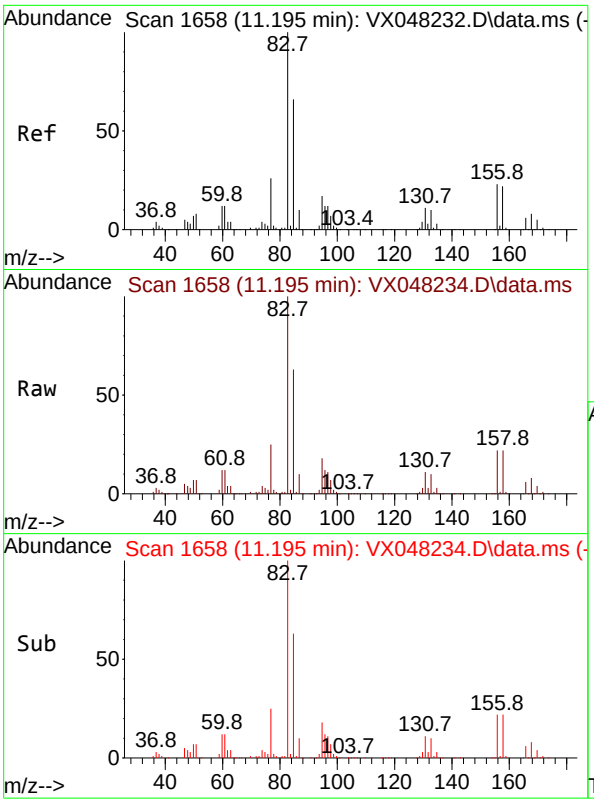


#74
N-amyl acetate
Concen: 160.952 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 43 Resp: 314879

Ion	Ratio	Lower	Upper
43	100		
70	44.5	32.2	48.2
55	24.4	19.1	28.7
61	25.2	18.6	28.0

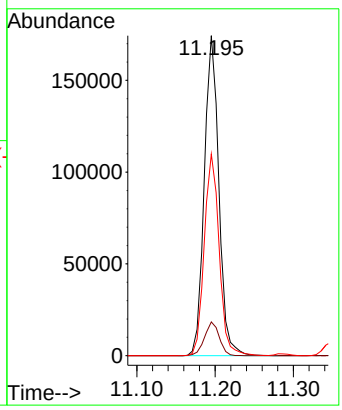




#75
1,1,2,2-Tetrachloroethane
Concen: 151.104 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 83 Resp: 22448

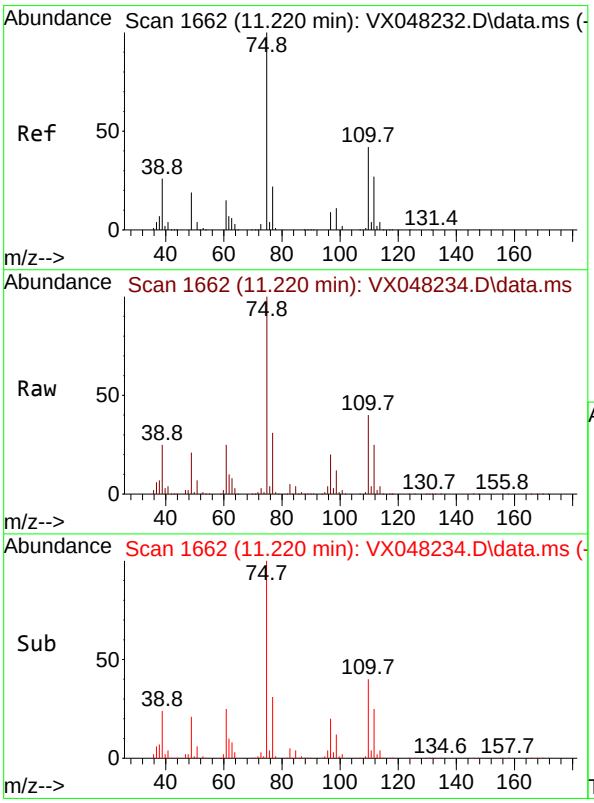
Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.8	14.4
85	64.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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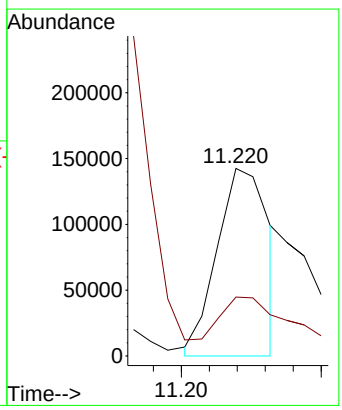
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

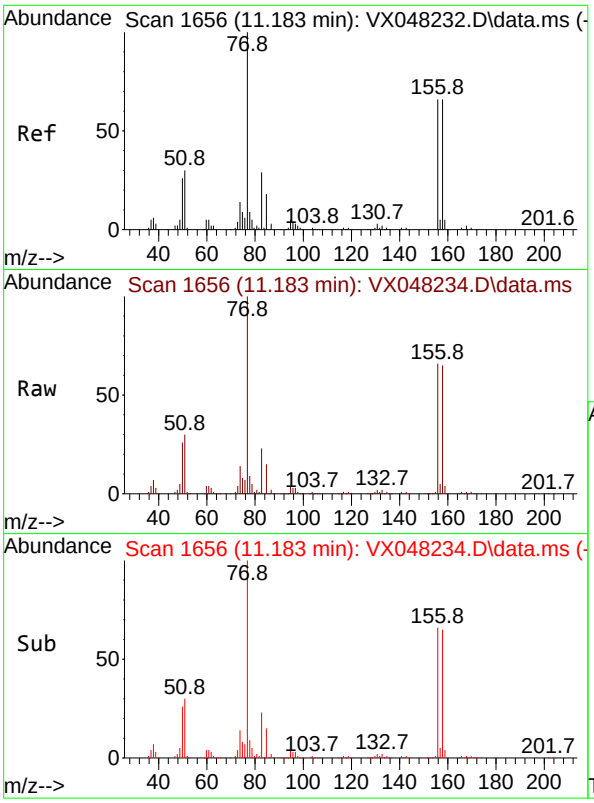


#76
1,2,3-Trichloropropane
Concen: 157.586 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 181434

Ion	Ratio	Lower	Upper
75	100		
77	44.8	22.4	67.2





#77
Bromobenzene
Concen: 157.899 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

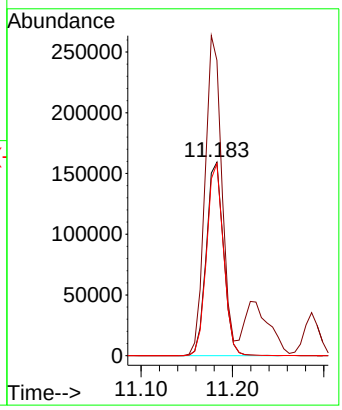
Tgt Ion:156 Resp: 20721

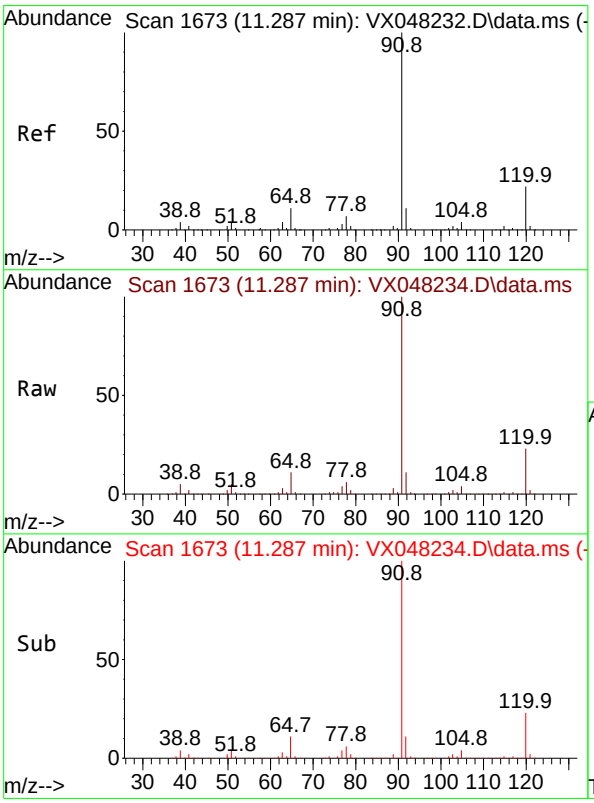
Ion	Ratio	Lower	Upper
156	100		
77	161.9	87.0	261.0
158	97.9	47.8	143.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

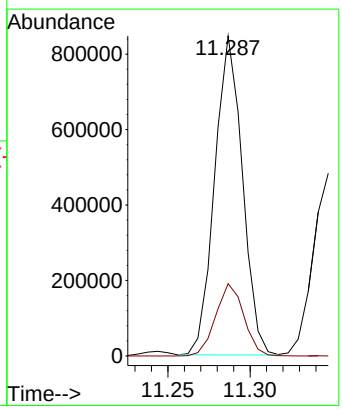


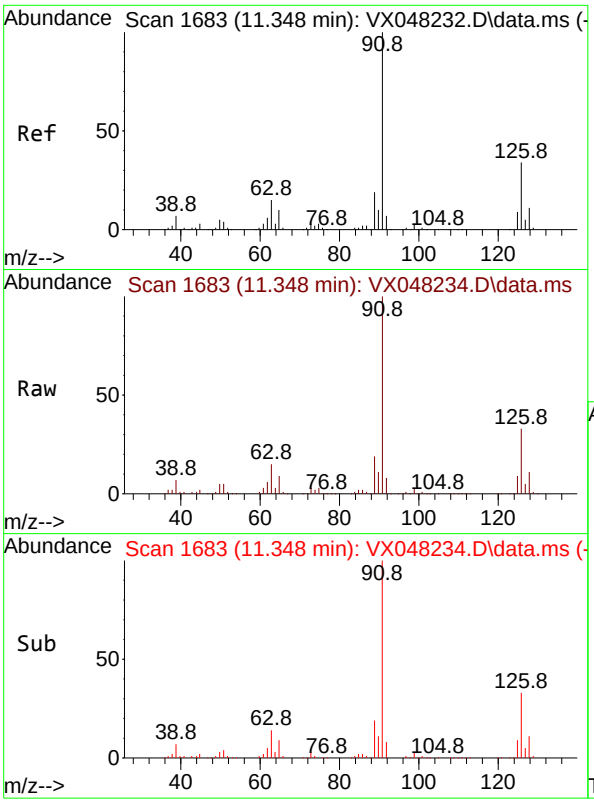


#78
n-propylbenzene
Concen: 155.984 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 91 Resp: 991960

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.1	33.1





#79
2-Chlorotoluene
Concen: 152.465 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

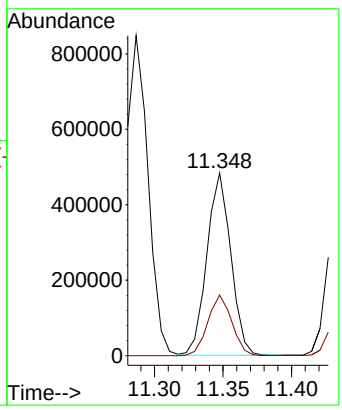
Tgt Ion: 91 Resp: 58579

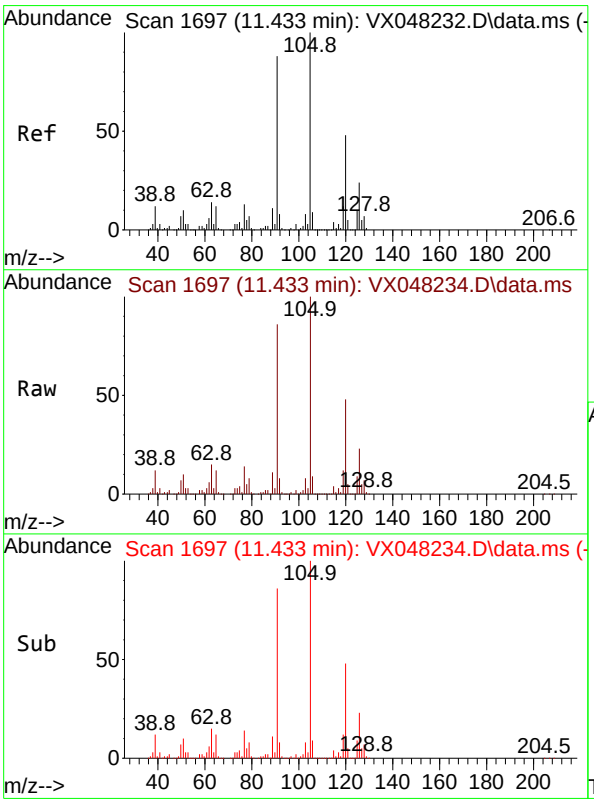
Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

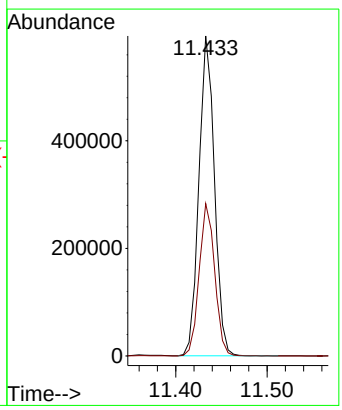


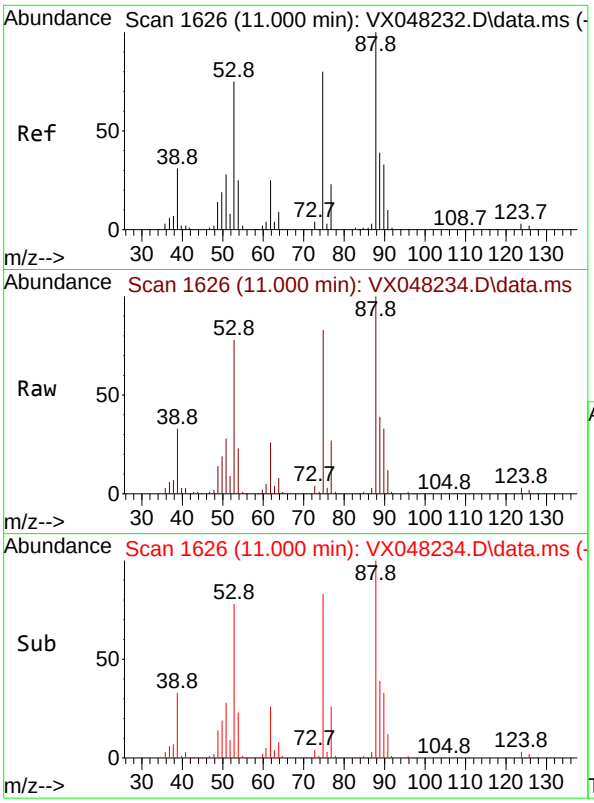


#80
1,3,5-Trimethylbenzene
Concen: 162.591 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:105 Resp: 699885

Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 176.858 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

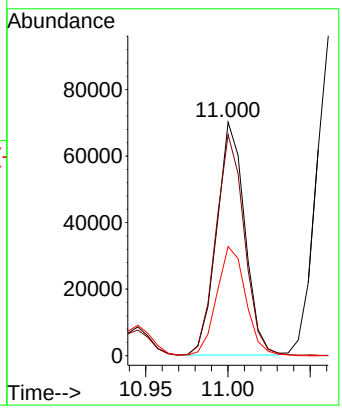
Tgt Ion: 75 Resp: 8315

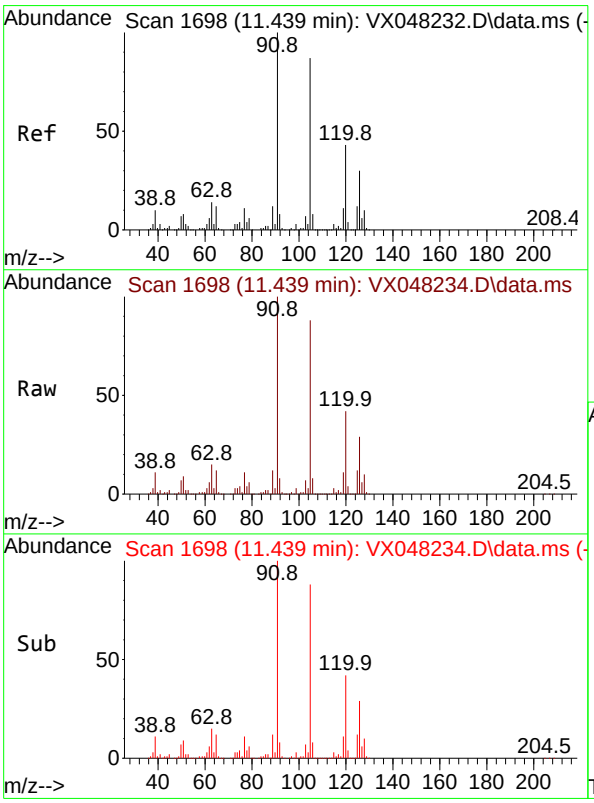
Ion	Ratio	Lower	Upper
75	100		
53	96.5	79.5	119.3
89	48.6	36.8	55.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

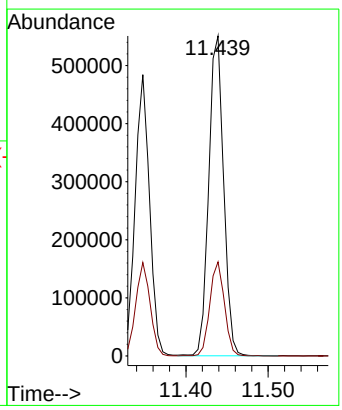


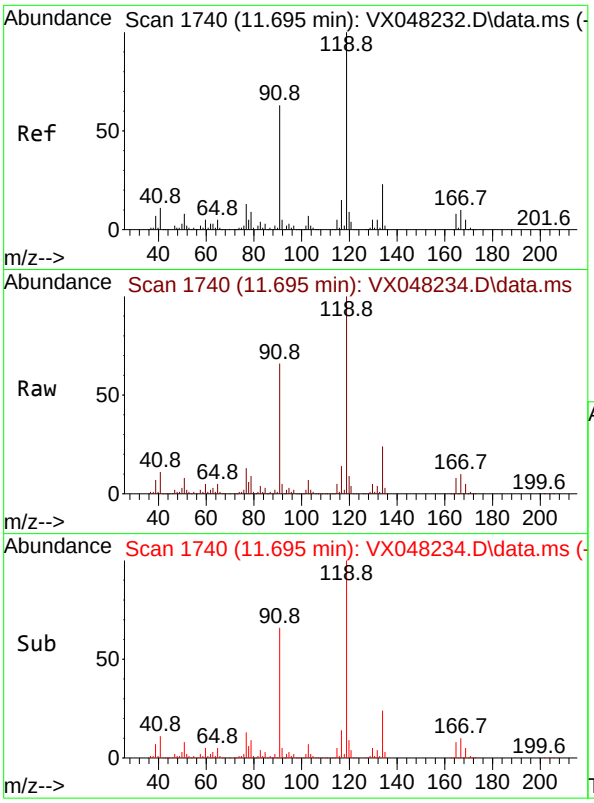


#82
4-Chlorotoluene
Concen: 153.240 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 91 Resp: 691903

Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.1	42.4

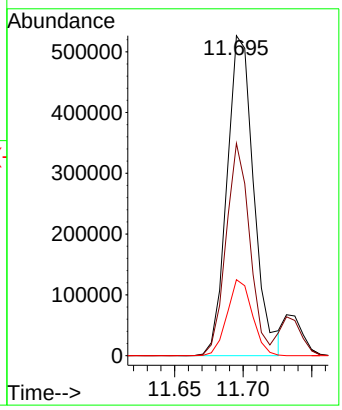




#83
tert-Butylbenzene
Concen: 165.020 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:119 Resp: 71764

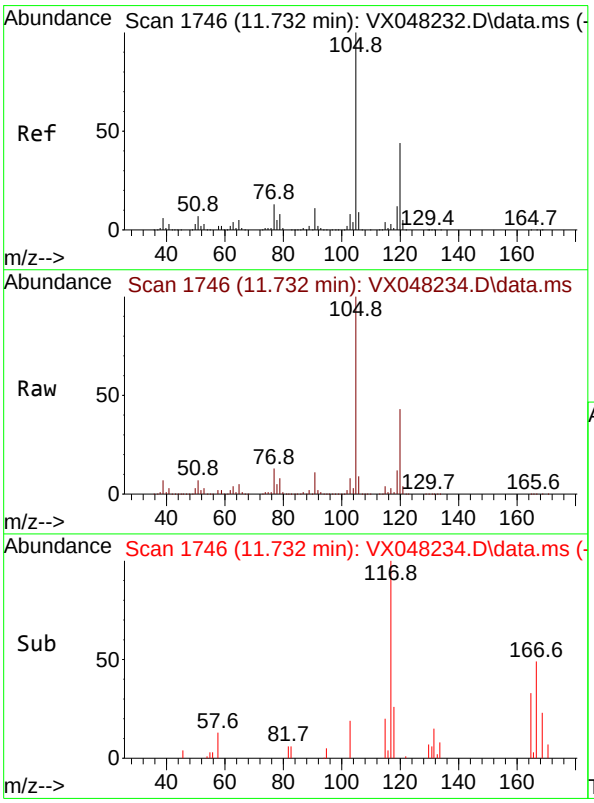
Ion	Ratio	Lower	Upper
119	100		
91	58.9	30.3	91.0
134	22.3	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

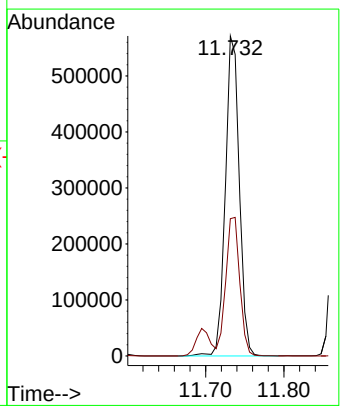
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

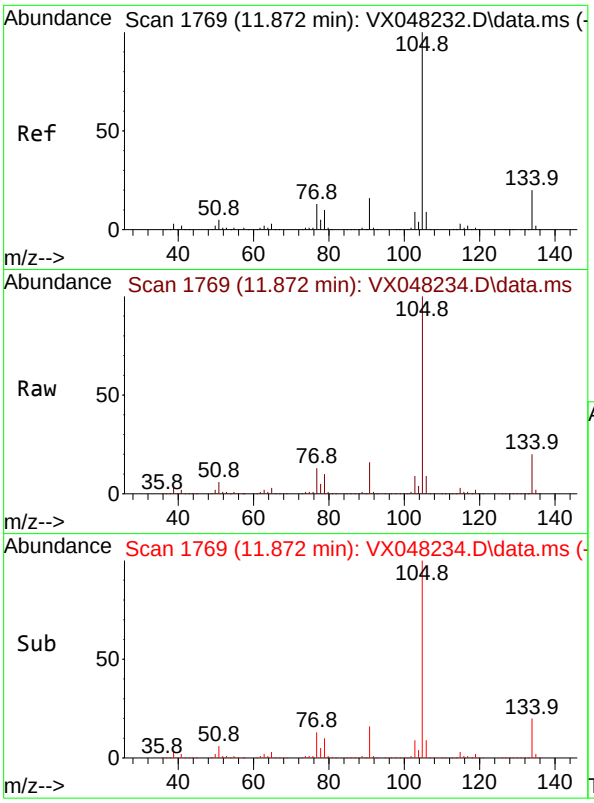


#84
1,2,4-Trimethylbenzene
Concen: 164.961 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:105 Resp: 707074

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.5





#85
sec-Butylbenzene
Concen: 162.035 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

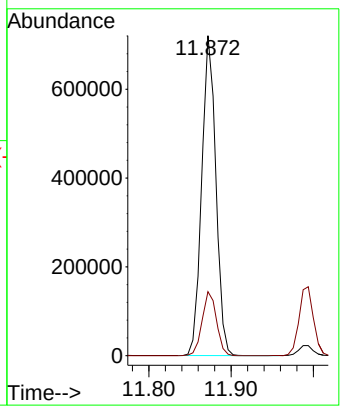
Tgt Ion:105 Resp: 86146

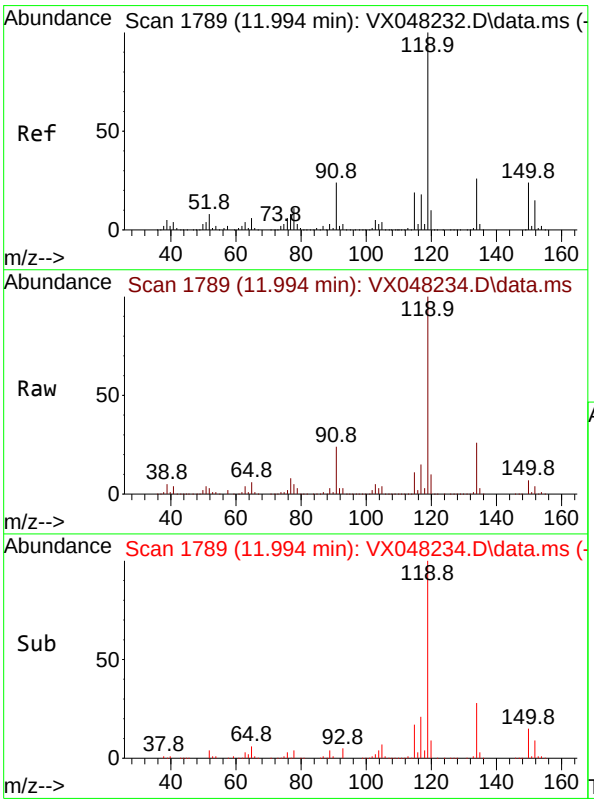
Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

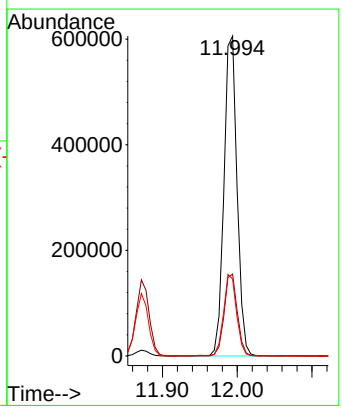


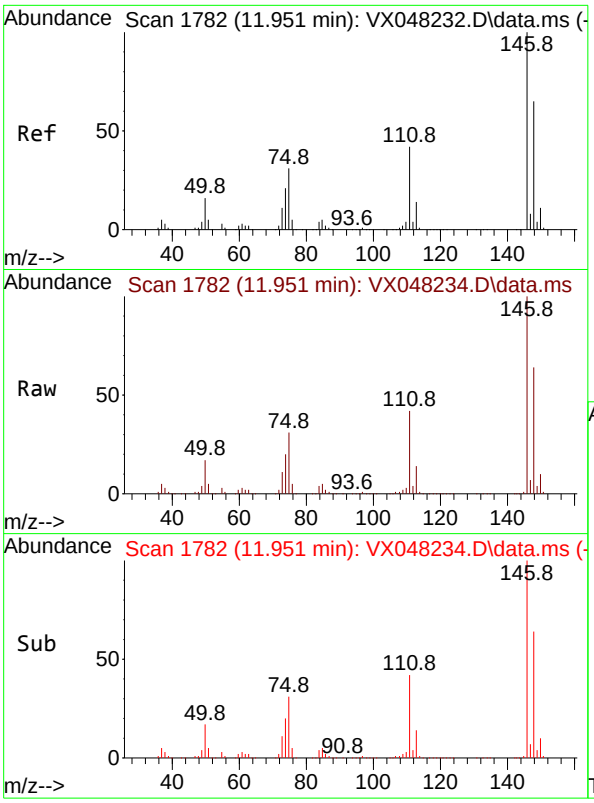


#86
p-Isopropyltoluene
Concen: 164.794 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:119 Resp: 738496

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	25.1	12.1	36.3

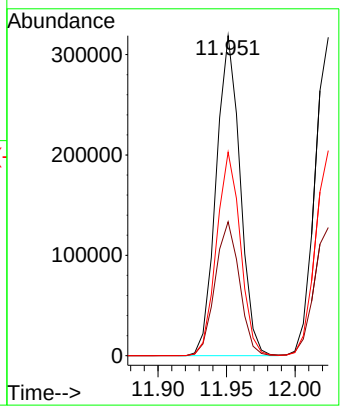




#87
1,3-Dichlorobenzene
Concen: 157.307 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:146 Resp: 38606

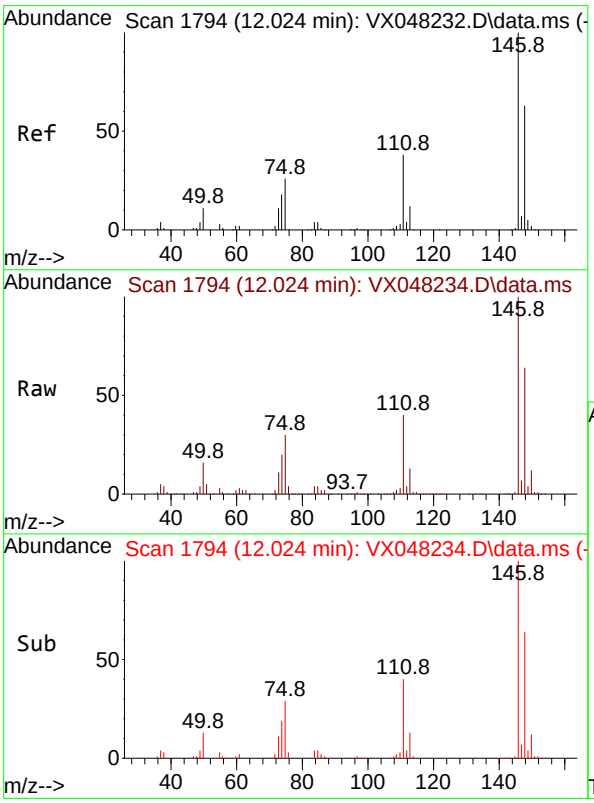
Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.4	61.2
148	63.5	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

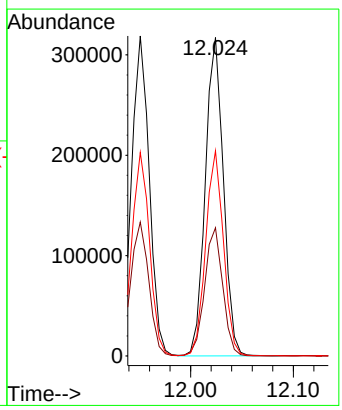
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

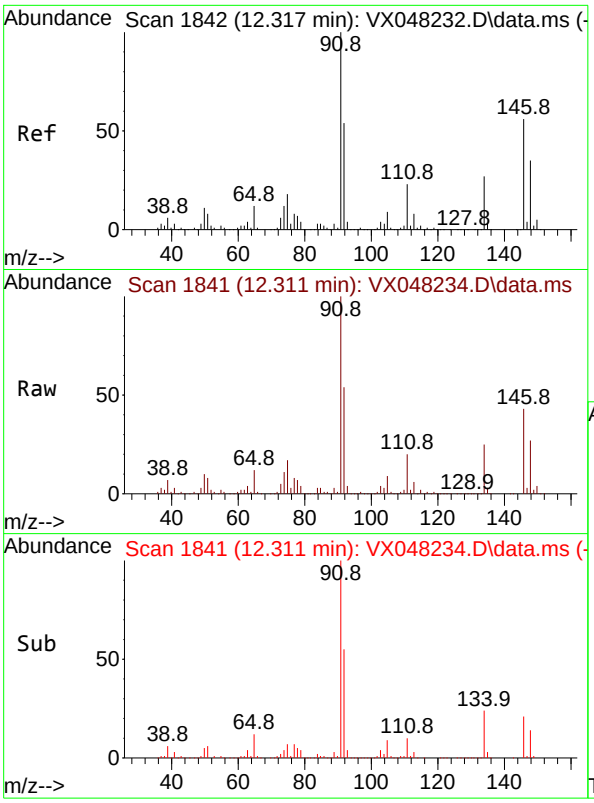


#88
1,4-Dichlorobenzene
Concen: 152.078 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:146 Resp: 386885

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.2
148	63.4	31.8	95.3

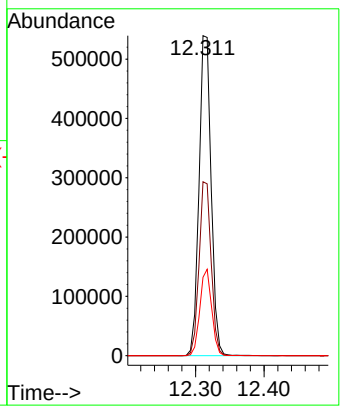




#89
n-Butylbenzene
Concen: 159.098 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 91 Resp: 66407

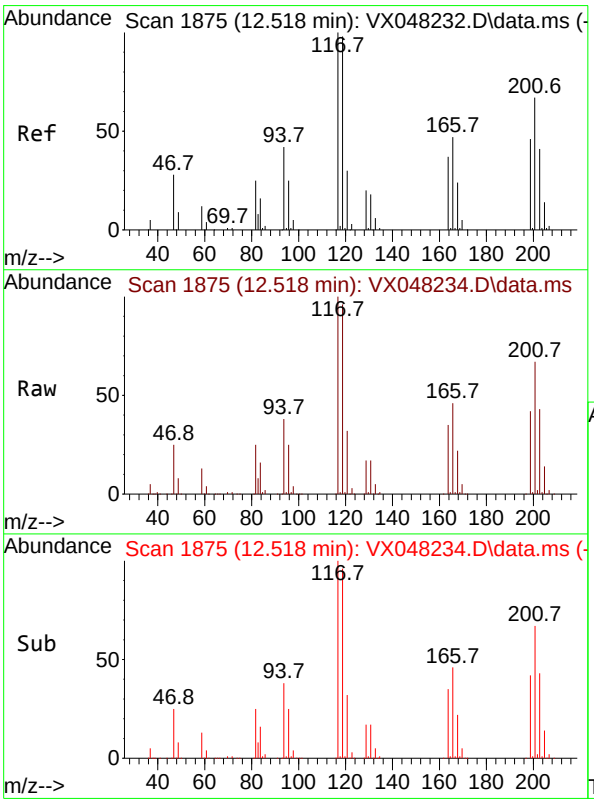
Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.9	80.6
134	26.3	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

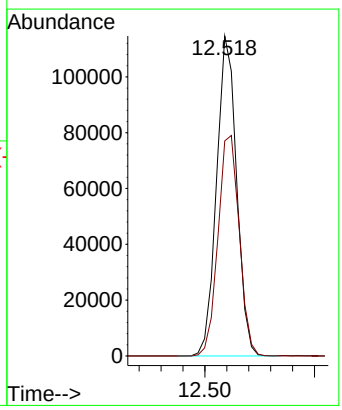
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

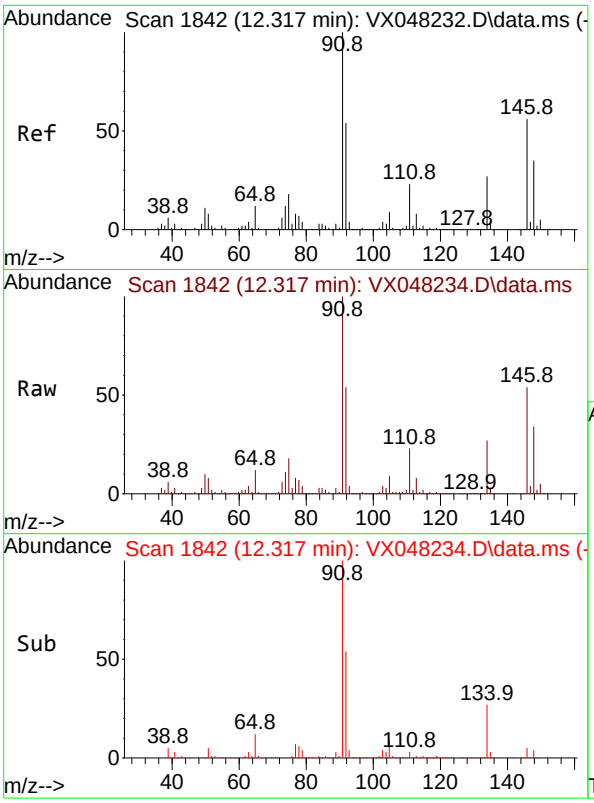


#90
Hexachloroethane
Concen: 154.159 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:117 Resp: 145813

Ion	Ratio	Lower	Upper
117	100		
201	73.0	34.1	102.2

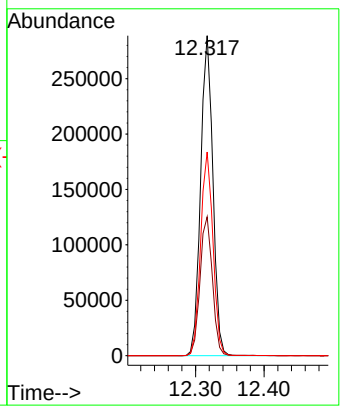




#91
1,2-Dichlorobenzene
Concen: 154.946 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:146 Resp: 35927

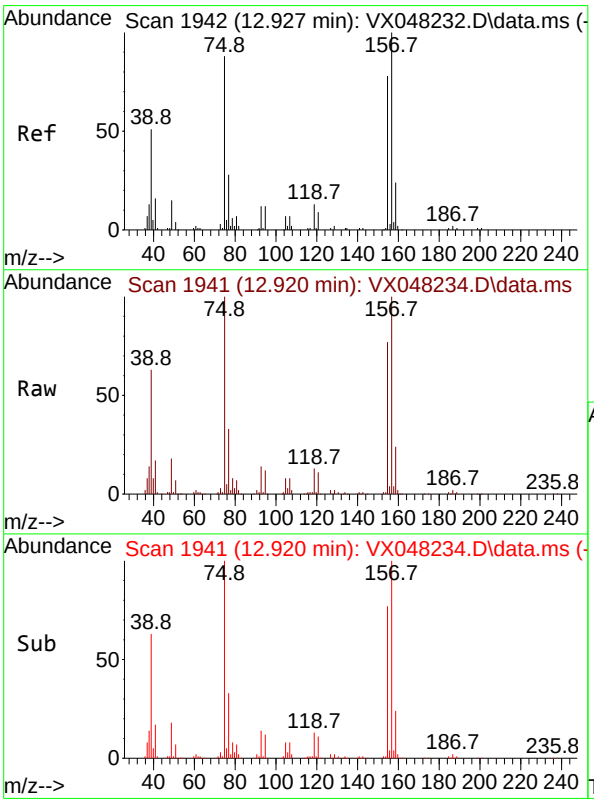
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.5
148	64.4	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

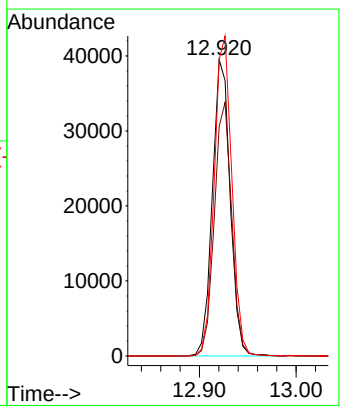
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

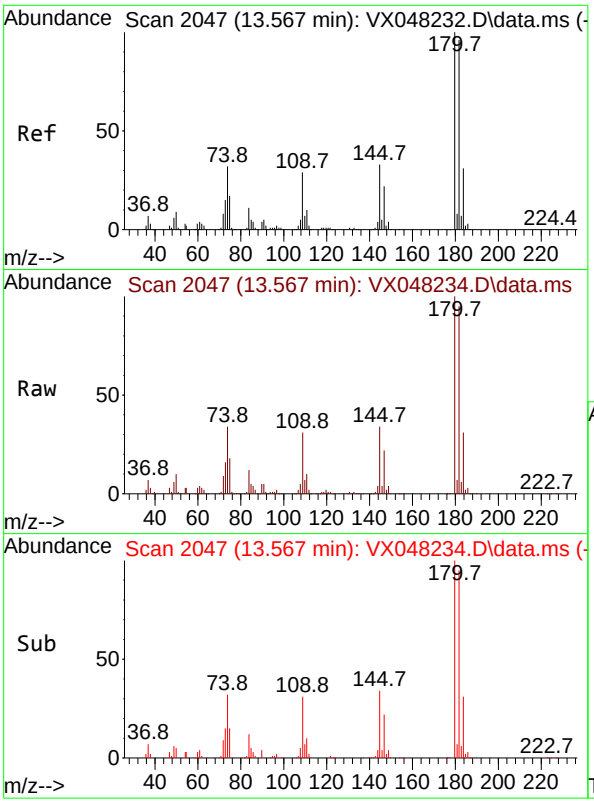


#92
1,2-Dibromo-3-Chloropropane
Concen: 185.536 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion: 75 Resp: 50367

Ion	Ratio	Lower	Upper
75	100		
155	83.7	42.8	128.4
157	106.9	54.2	162.6

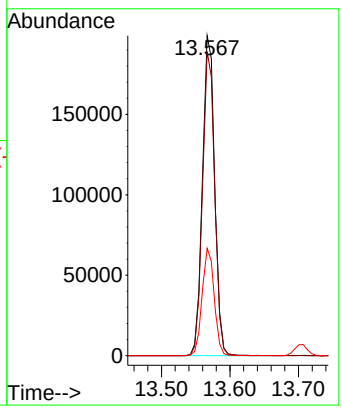




#93
1,2,4-Trichlorobenzene
Concen: 180.791 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:180 Resp: 24747

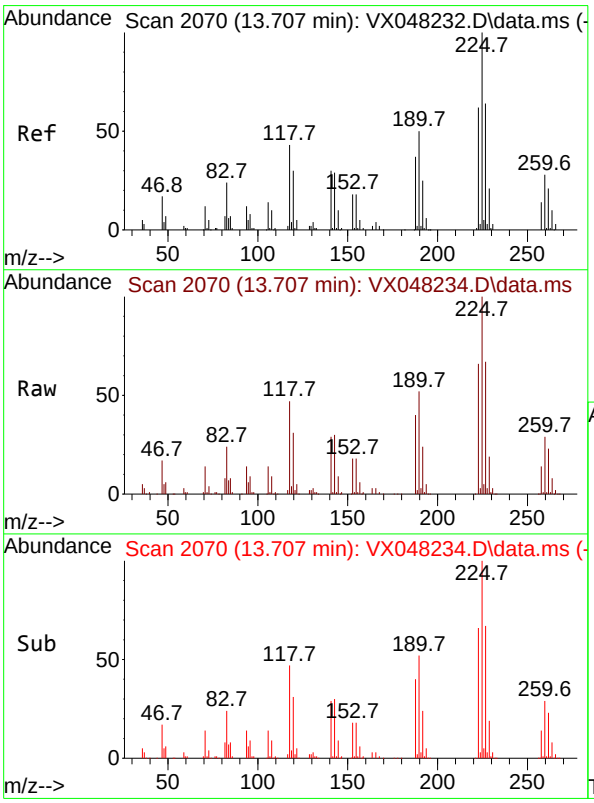
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	33.2	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

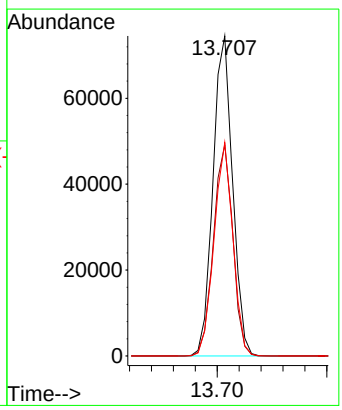
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

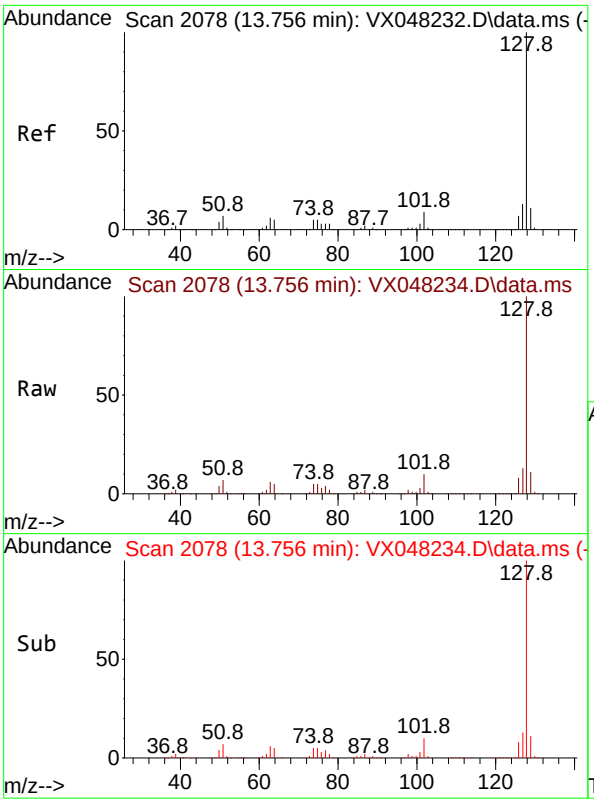


#94
Hexachlorobutadiene
Concen: 175.138 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:225 Resp: 92458

Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.6	97.7
227	64.3	32.5	97.4

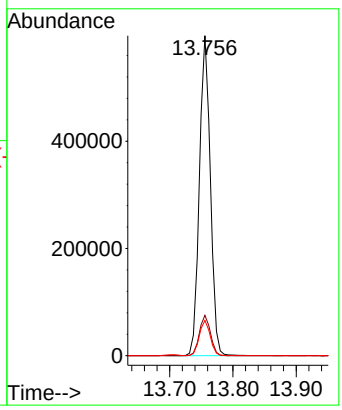




#95
Naphthalene
Concen: 199.386 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:128 Resp: 71943

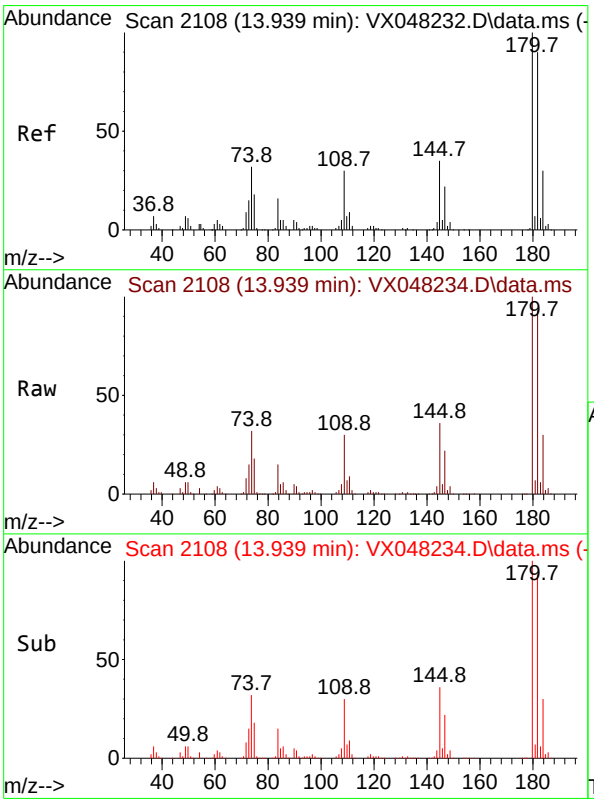
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

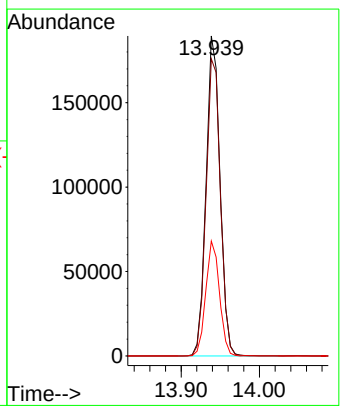
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 185.022 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048234.D
Acq: 20 Oct 2025 12:43

Tgt Ion:180 Resp: 233671

Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.6	139.7
145	35.4	16.9	50.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048236.D
Acq On : 20 Oct 2025 13:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 14:07:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 13:10:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	138374	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.751	114	228619	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	208481	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	105998	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.940	65	10036	4.008	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	8.020%#			
35) Dibromofluoromethane	5.379	113	7733	3.839	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	7.680%#			
50) Toluene-d8	8.634	98	27914	3.999	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	8.000%#			
62) 4-Bromofluorobenzene	11.067	95	11429	4.042	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	8.080%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.172	85	7219	5.194	ug/l		93
3) Chloromethane	1.300	50	7032	5.531	ug/l		95
4) Vinyl Chloride	1.380	62	6338	5.341	ug/l		98
5) Bromomethane	1.611	94	4789	5.918	ug/l		99
6) Chloroethane	1.691	64	3610	5.085	ug/l		99
7) Trichlorofluoromethane	1.898	101	12170	5.319	ug/l		96
8) Diethyl Ether	2.136	74	3283	5.035	ug/l		87
9) 1,1,2-Trichlorotrifluo...	2.337	101	7656	5.264	ug/l		92
10) Methyl Iodide	2.453	142	7871	4.284	ug/l		98
11) Tert butyl alcohol	2.940	59	5994	33.503	ug/l	#	80
12) 1,1-Dichloroethene	2.325	96	7107	4.991	ug/l		91
13) Acrolein	2.233	56	5456	27.637	ug/l		96
14) Allyl chloride	2.666	41	11531	4.839	ug/l		96
15) Acrylonitrile	3.062	53	16982	24.912	ug/l		97
16) Acetone	2.373	43	18141	27.636	ug/l		100
17) Carbon Disulfide	2.520	76	23369	5.270	ug/l		96
18) Methyl Acetate	2.703	43	6418	4.639	ug/l		98
19) Methyl tert-butyl Ether	3.111	73	22931	4.663	ug/l		97
20) Methylene Chloride	2.788	84	8228	5.163	ug/l	#	81
21) trans-1,2-Dichloroethene	3.093	96	8343	5.393	ug/l		94
22) Diisopropyl ether	3.757	45	23533	4.984	ug/l	#	97
23) Vinyl Acetate	3.721	43	91771	24.336	ug/l	#	90
24) 1,1-Dichloroethane	3.605	63	14582	5.126	ug/l	#	97
25) 2-Butanone	4.550	43	21808	26.293	ug/l	#	89
26) 2,2-Dichloropropane	4.471	77	13077	5.066	ug/l		99
27) cis-1,2-Dichloroethene	4.483	96	9312	5.084	ug/l		96
28) Bromochloromethane	4.885	49	6488	5.474	ug/l	#	89
29) Tetrahydrofuran	4.995	42	12637	25.353	ug/l		98
30) Chloroform	5.086	83	15814	5.159	ug/l		96
31) Cyclohexane	5.458	56	11661	4.943	ug/l		98
32) 1,1,1-Trichloroethane	5.367	97	14399	5.115	ug/l		98
36) 1,1-Dichloropropene	5.684	75	10855	5.001	ug/l		99
37) Ethyl Acetate	4.702	43	9058m	4.970	ug/l		
38) Carbon Tetrachloride	5.672	117	14225	5.323	ug/l	#	81
39) Methylcyclohexane	7.366	83	13491	5.318	ug/l		97
40) Benzene	6.031	78	32115	5.103	ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048236.D
Acq On : 20 Oct 2025 13:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 20 14:07:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 13:10:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	4538m	4.817	ug/l		
42) 1,2-Dichloroethane	6.074	62	11412	4.870	ug/l		100
43) Isopropyl Acetate	6.330	43	13996	4.656	ug/l	#	93
44) Trichloroethene	7.110	130	8373	5.009	ug/l		93
45) 1,2-Dichloropropane	7.415	63	7709	5.129	ug/l		99
46) Dibromomethane	7.568	93	6041	5.181	ug/l		91
47) Bromodichloromethane	7.811	83	12974	5.126	ug/l		97
48) Methyl methacrylate	7.683	41	6863	4.542	ug/l		94
49) 1,4-Dioxane	7.659	88	2020	103.402	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	42725	24.936	ug/l		97
52) Toluene	8.708	92	21137	5.296	ug/l		97
53) t-1,3-Dichloropropene	8.964	75	12015	4.914	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	12702	4.820	ug/l		90
55) 1,1,2-Trichloroethane	9.140	97	8113	5.453	ug/l		91
56) Ethyl methacrylate	9.104	69	10320	4.713	ug/l		94
57) 1,3-Dichloropropane	9.293	76	13087	5.112	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.232	63	20764	19.525	ug/l		98
59) 2-Hexanone	9.415	43	30949	25.896	ug/l		96
60) Dibromochloromethane	9.506	129	10082	5.028	ug/l		99
61) 1,2-Dibromoethane	9.592	107	8079	5.075	ug/l		100
64) Tetrachloroethene	9.256	164	8020	5.341	ug/l		92
65) Chlorobenzene	10.061	112	23873	5.236	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.146	131	8450	5.012	ug/l		98
67) Ethyl Benzene	10.177	91	39121	5.044	ug/l		96
68) m/p-Xylenes	10.287	106	30310	10.586	ug/l		97
69) o-Xylene	10.628	106	14262	5.128	ug/l		98
70) Styrene	10.640	104	24289	5.138	ug/l		98
71) Bromoform	10.780	173	6766	5.031	ug/l	#	96
73) Isopropylbenzene	10.945	105	37935	5.082	ug/l		99
74) N-amyl acetate	10.829	43	12188	4.544	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.195	83	10324	4.992	ug/l		98
76) 1,2,3-Trichloropropane	11.225	75	8134m	4.889	ug/l		
77) Bromobenzene	11.183	156	9508	5.027	ug/l		94
78) n-propylbenzene	11.286	91	44189	5.097	ug/l		99
79) 2-Chlorotoluene	11.347	91	26627	5.032	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	30618	4.910	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	3038	4.387	ug/l		96
82) 4-Chlorotoluene	11.439	91	31357	5.017	ug/l		97
83) tert-Butylbenzene	11.695	119	32297	5.086	ug/l		96
84) 1,2,4-Trimethylbenzene	11.731	105	31709	5.129	ug/l		100
85) sec-Butylbenzene	11.872	105	39113	5.118	ug/l		99
86) p-Isopropyltoluene	11.994	119	34155	5.185	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	18546	5.256	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	18787	5.081	ug/l		91
89) n-Butylbenzene	12.317	91	30409	5.069	ug/l		99
90) Hexachloroethane	12.518	117	6863	5.210	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	16849	5.076	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	1984	4.680	ug/l		98
93) 1,2,4-Trichlorobenzene	13.573	180	10538	4.693	ug/l		98
94) Hexachlorobutadiene	13.707	225	5113	4.948	ug/l		96
95) Naphthalene	13.756	128	26218	4.374	ug/l		98
96) 1,2,3-Trichlorobenzene	13.944	180	10040	4.906	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048236.D
Acq On : 20 Oct 2025 13:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 14:07:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 13:10:39 2025
Response via : Initial Calibration

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

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

ICAL Form

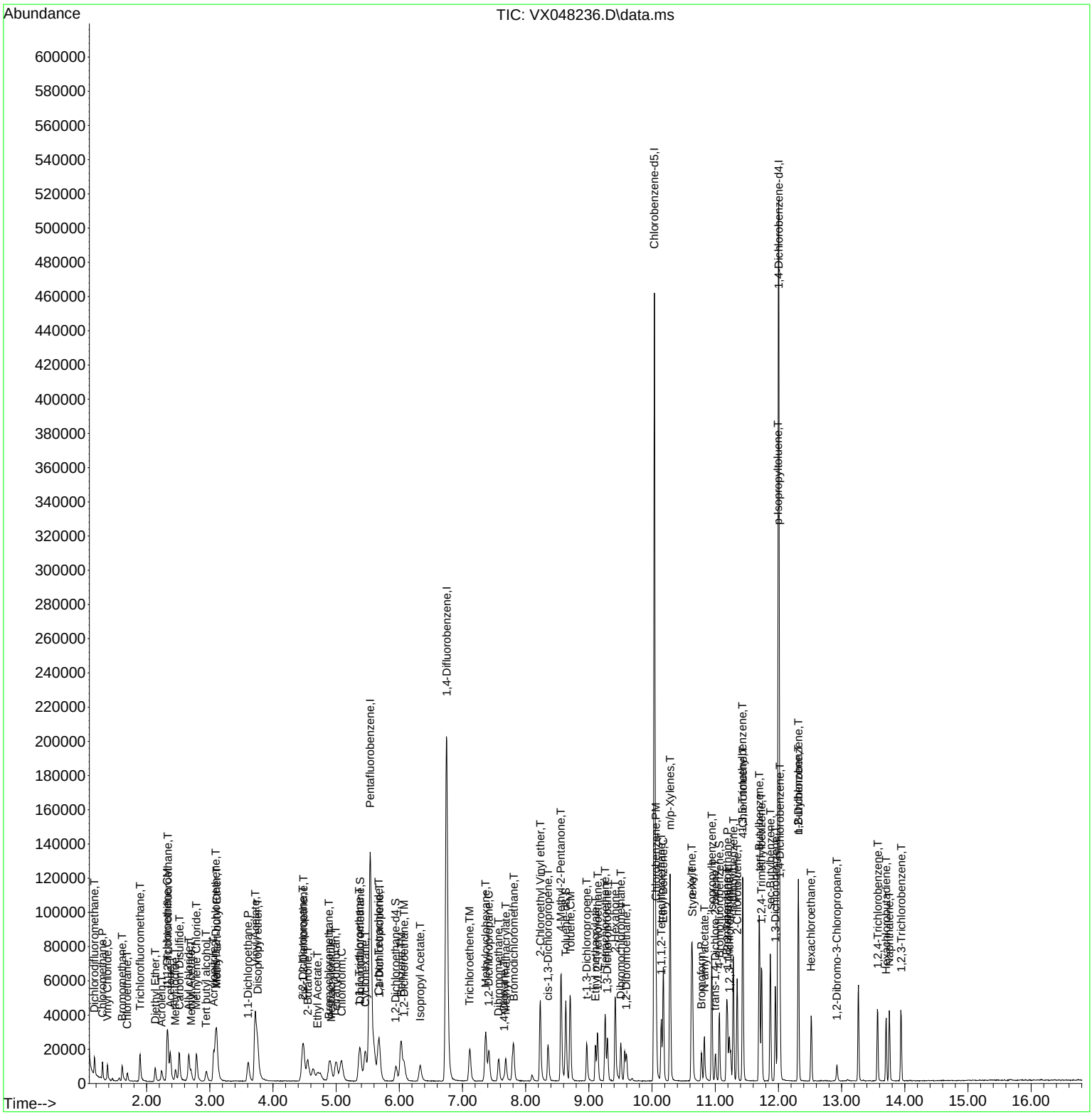
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Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

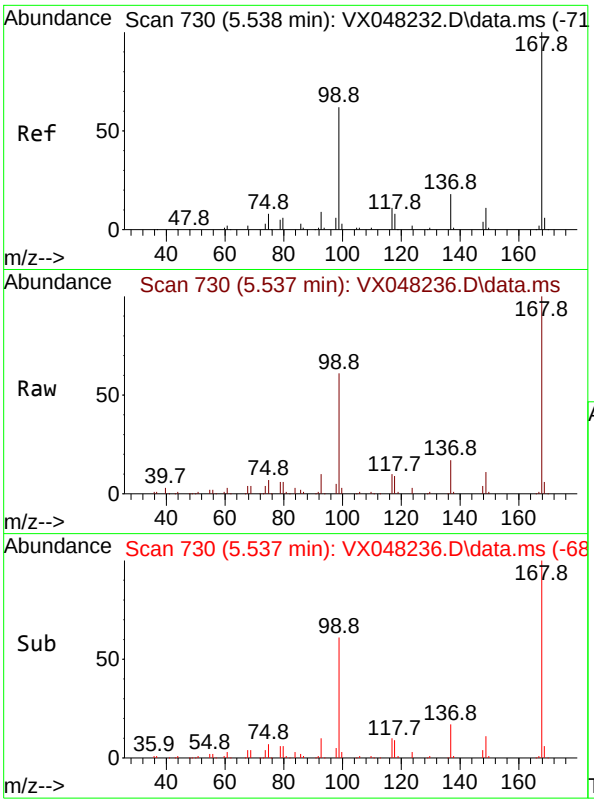
Quant Time: Oct 20 14:07:21 2025
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Quant Title : SW846 8260
QLast Update : Mon Oct 20 13:10:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

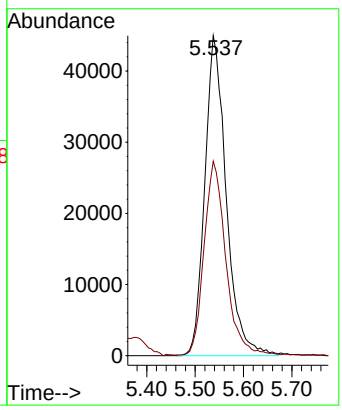




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:168 Resp: 13837

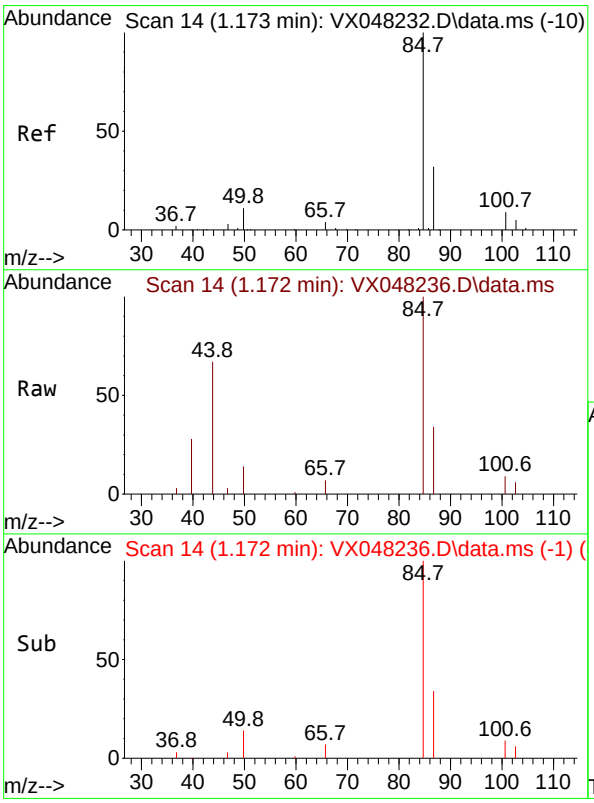
Ion	Ratio	Lower	Upper
168	100		
99	60.5	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

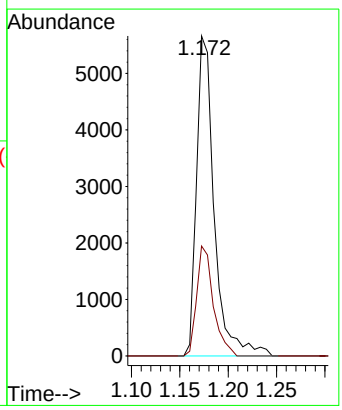
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

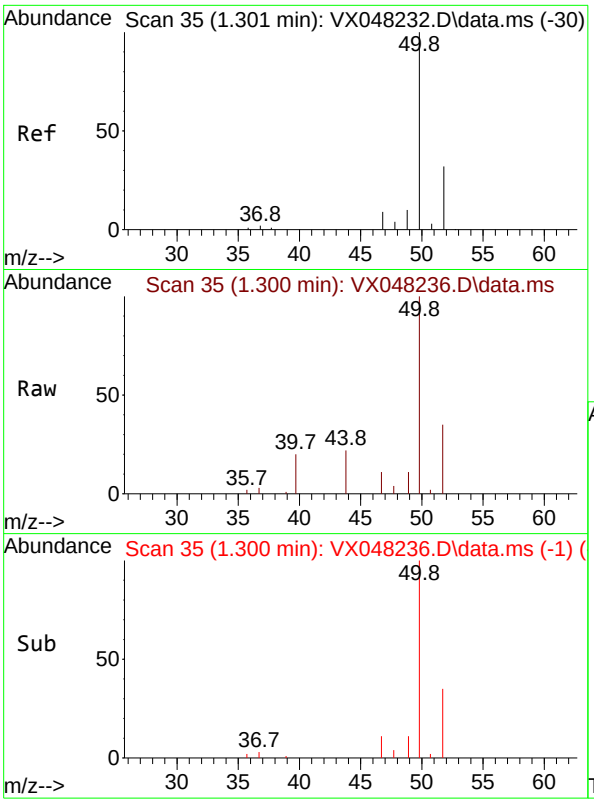


#2
Dichlorodifluoromethane
Concen: 5.194 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 85 Resp: 7219

Ion	Ratio	Lower	Upper
85	100		
87	34.3	15.3	45.9

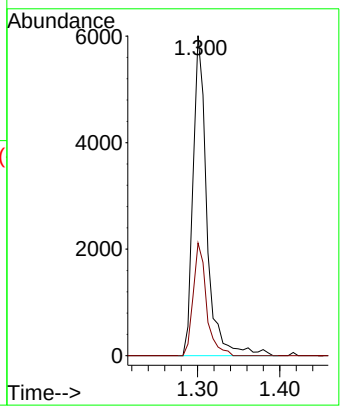




#3
Chloromethane
Concen: 5.531 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 50 Resp: 703

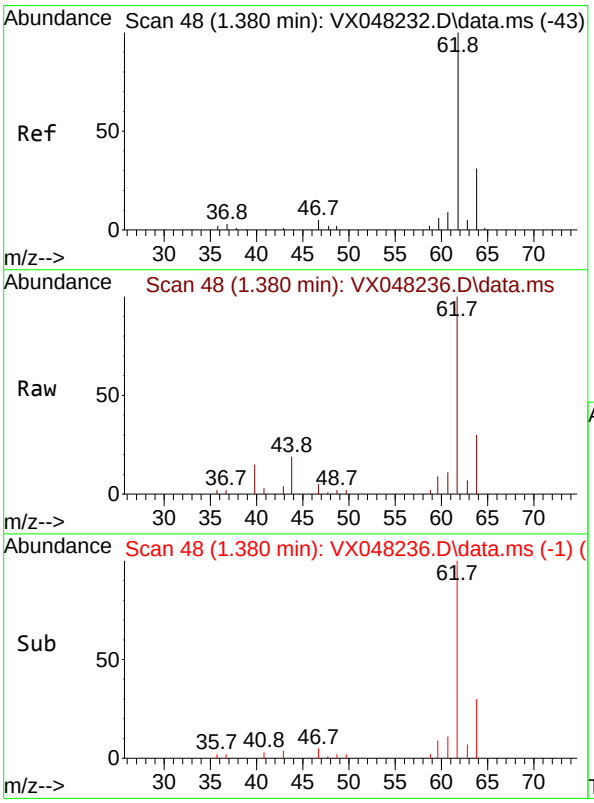
Ion	Ratio	Lower	Upper
50	100		
52	35.2	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

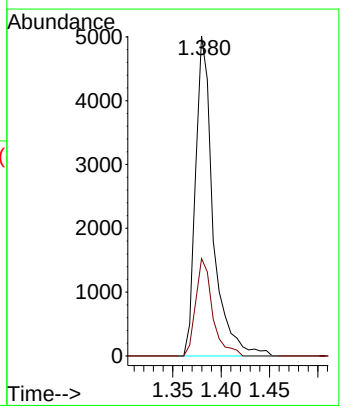
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

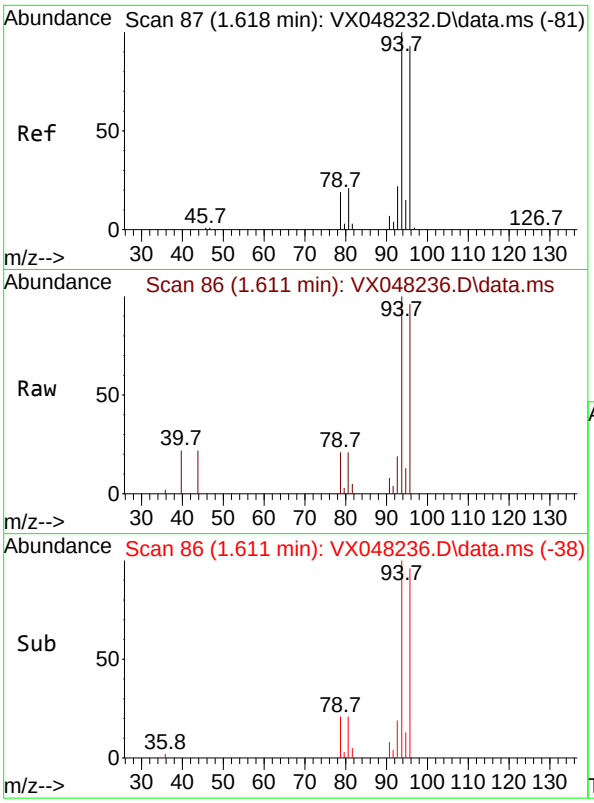


#4
Vinyl Chloride
Concen: 5.341 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 62 Resp: 6338

Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.1	37.7

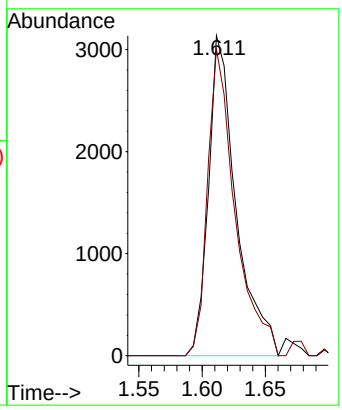




#5
Bromomethane
Concen: 5.918 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 94 Resp: 478

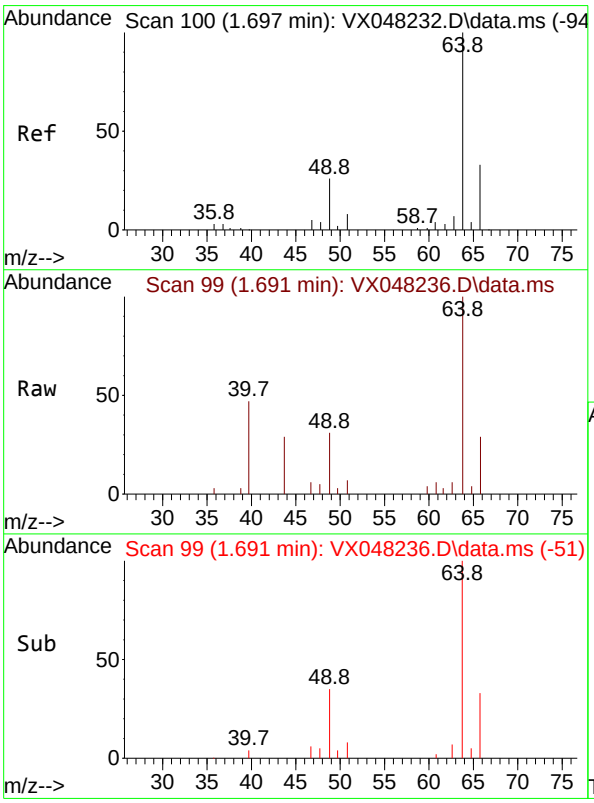
Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

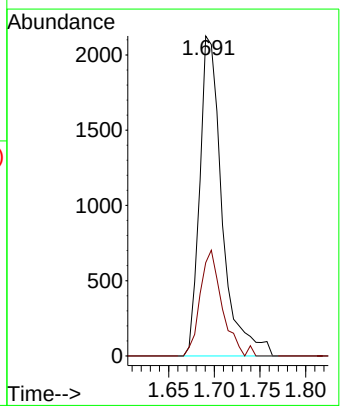
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

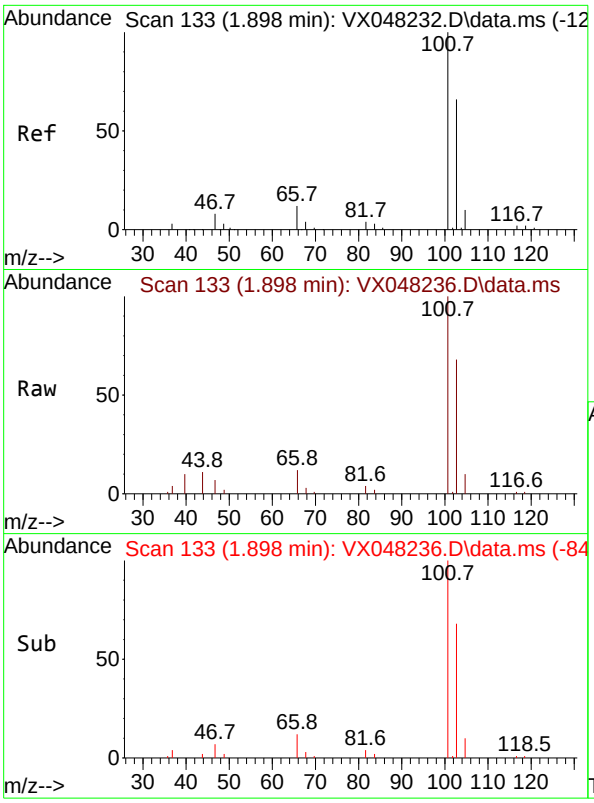


#6
Chloroethane
Concen: 5.085 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 64 Resp: 3610

Ion	Ratio	Lower	Upper
64	100		
66	29.2	23.9	35.9

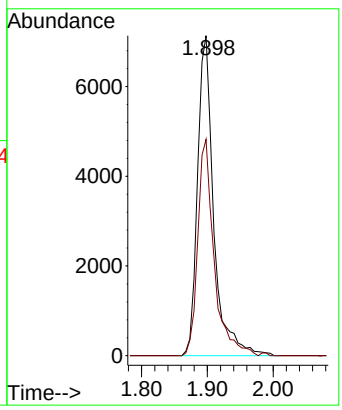




#7
Trichlorofluoromethane
Concen: 5.319 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:101 Resp: 1217

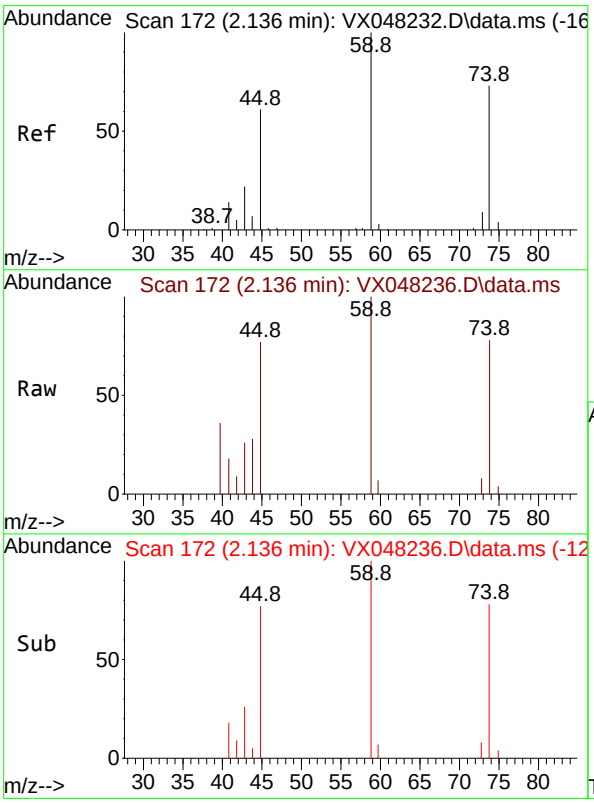
Ion	Ratio	Lower	Upper
101	100		
103	67.6	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

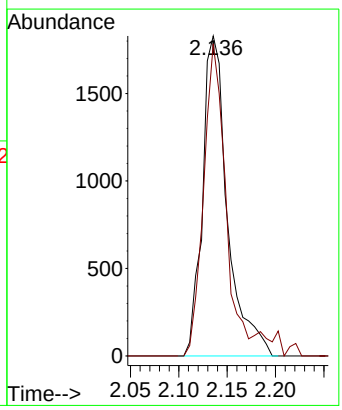
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

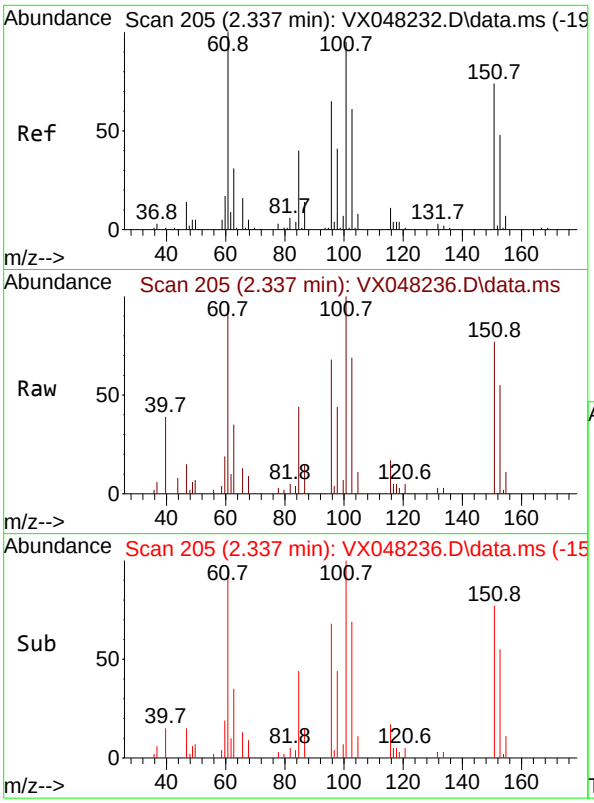


#8
Diethyl Ether
Concen: 5.035 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 74 Resp: 3283

Ion	Ratio	Lower	Upper
74	100		
45	86.7	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.264 ug/l
RT: 2.337 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

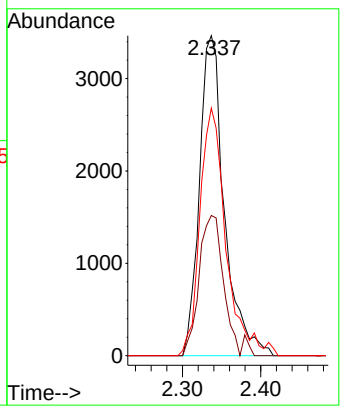
Tgt Ion:101 Resp: 765(

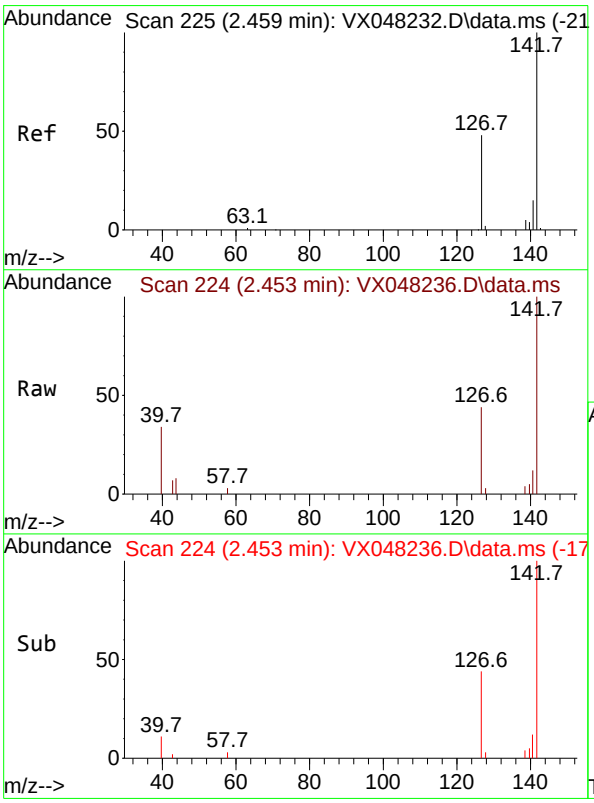
Ion	Ratio	Lower	Upper
101	100		
85	42.4	35.6	53.4
151	81.0	58.0	87.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

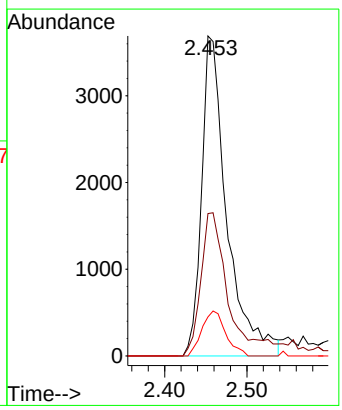


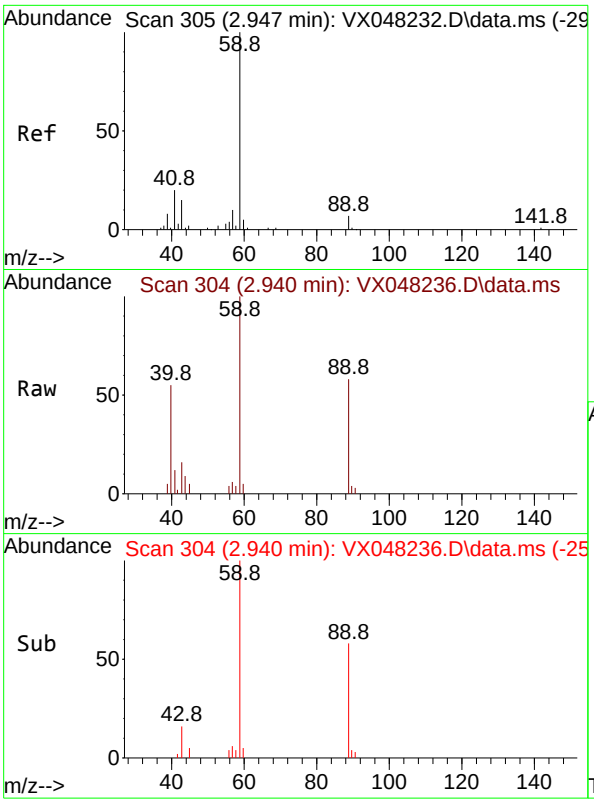


#10
Methyl Iodide
Concen: 4.284 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:142 Resp: 7871

Ion	Ratio	Lower	Upper
142	100		
127	48.9	38.5	57.7
141	13.3	11.6	17.4





#11
Tert butyl alcohol
Concen: 33.503 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

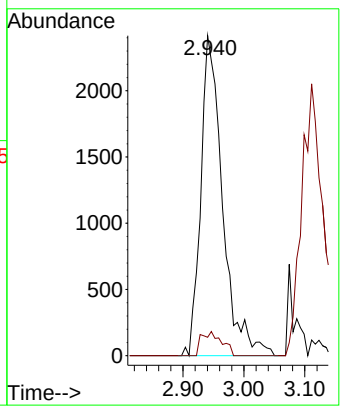
Tgt Ion: 59 Resp: 599

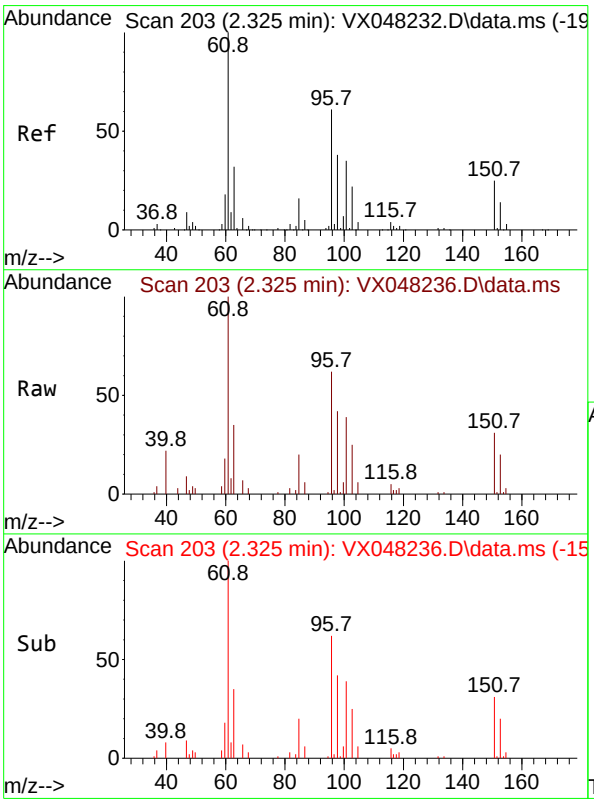
Ion	Ratio	Lower	Upper
59	100		
57	2.8	8.2	12.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

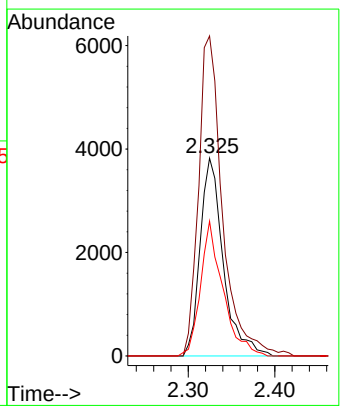


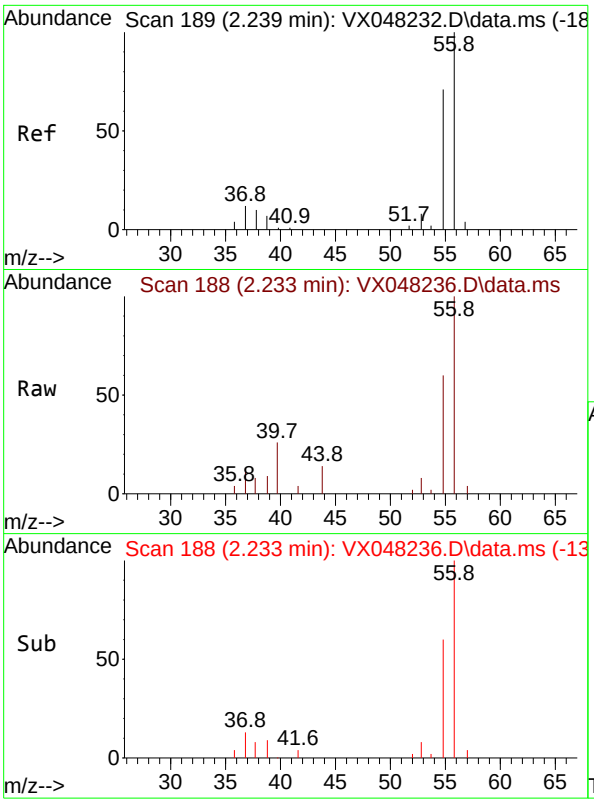


#12
1,1-Dichloroethene
Concen: 4.991 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 96 Resp: 7107

Ion	Ratio	Lower	Upper
96	100		
61	156.9	139.0	208.6
98	66.1	52.4	78.6

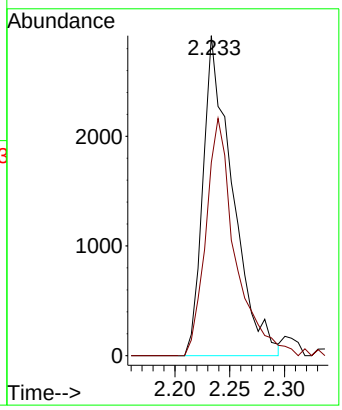




#13
Acrolein
Concen: 27.637 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 56 Resp: 545

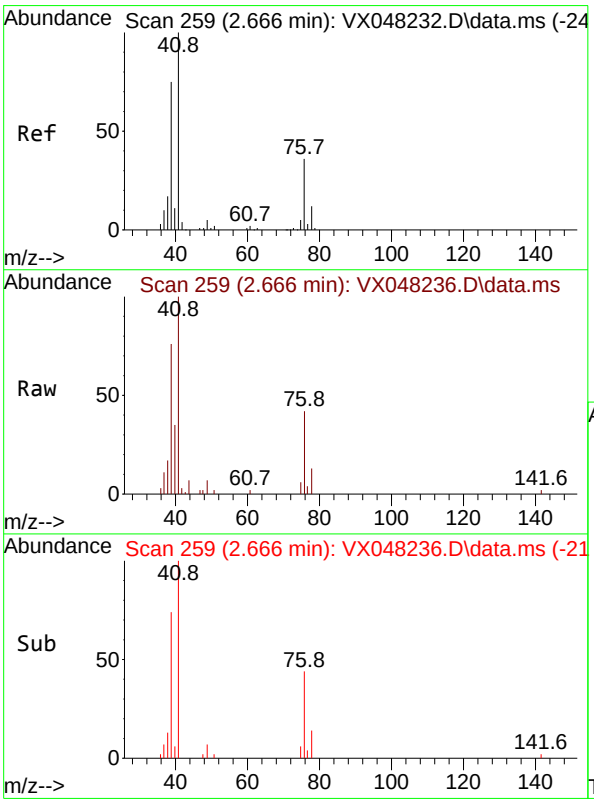
Ion	Ratio	Lower	Upper
56	100		
55	73.7	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

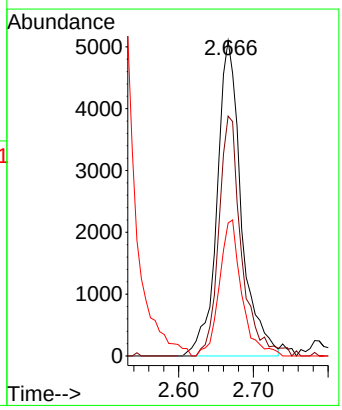
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

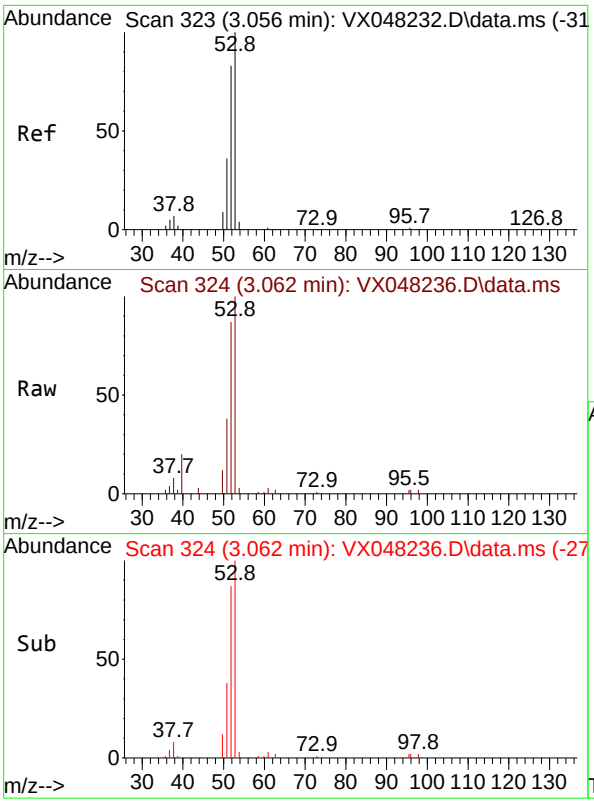


#14
Allyl chloride
Concen: 4.839 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 41 Resp: 11531

Ion	Ratio	Lower	Upper
41	100		
39	71.2	56.0	84.0
76	39.7	27.5	41.3

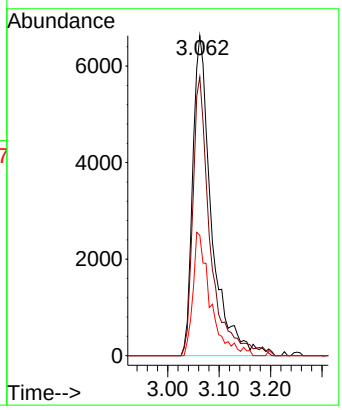




#15
Acrylonitrile
Concen: 24.912 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 53 Resp: 1698

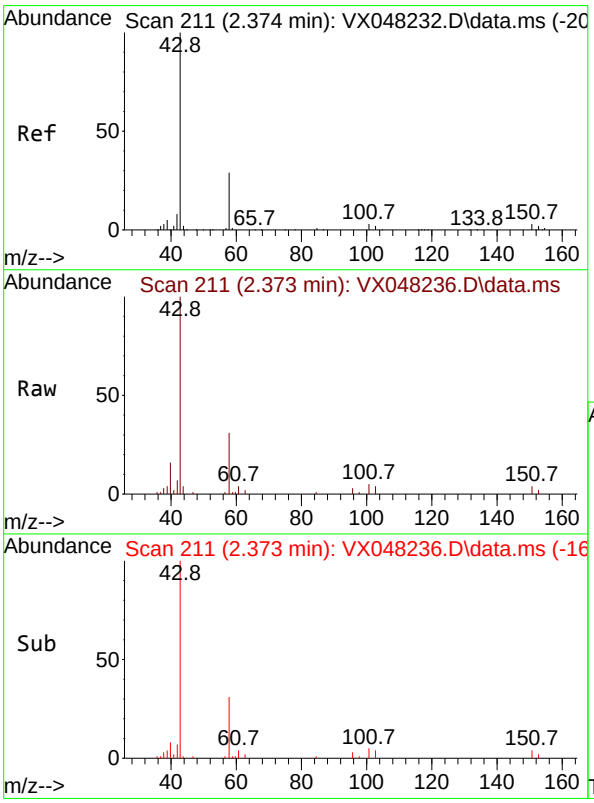
Ion	Ratio	Lower	Upper
53	100		
52	80.1	66.1	99.1
51	34.9	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

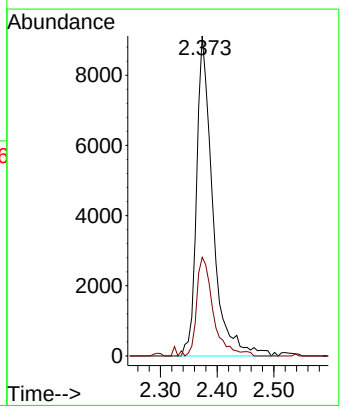
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

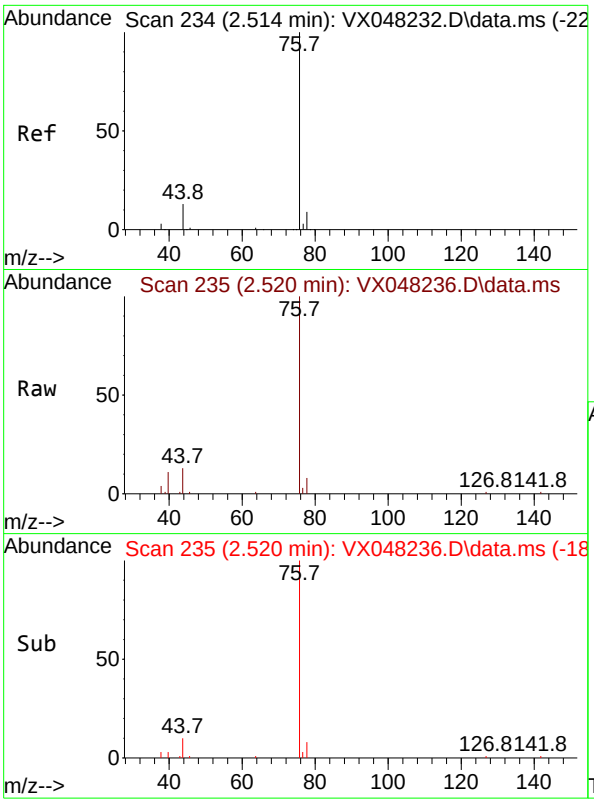


#16
Acetone
Concen: 27.636 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 43 Resp: 18141

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.4	35.2

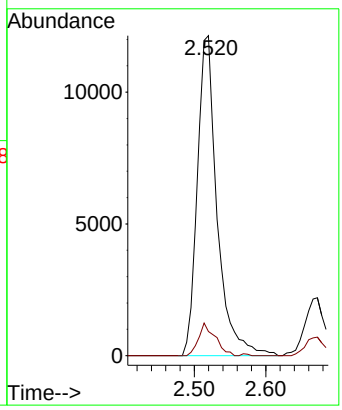




#17
Carbon Disulfide
Concen: 5.270 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 76 Resp: 2336

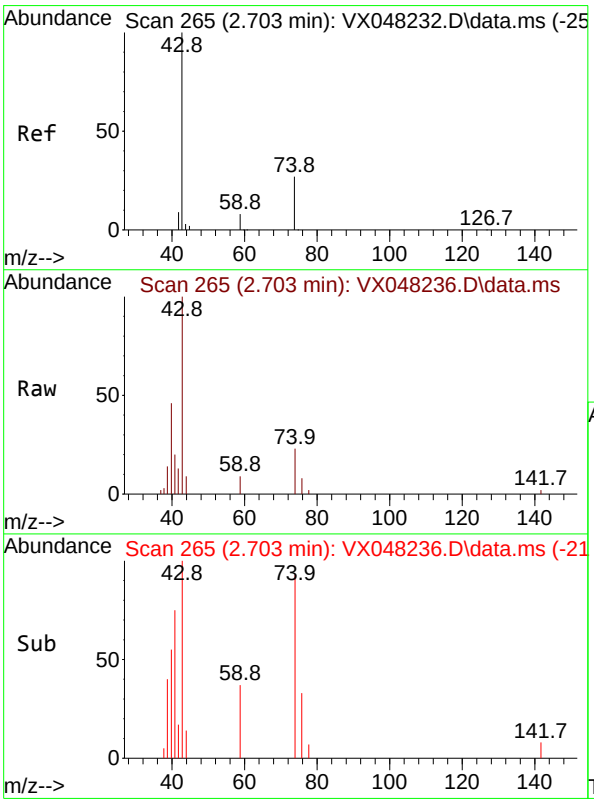
Ion	Ratio	Lower	Upper
76	100		
78	7.3	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

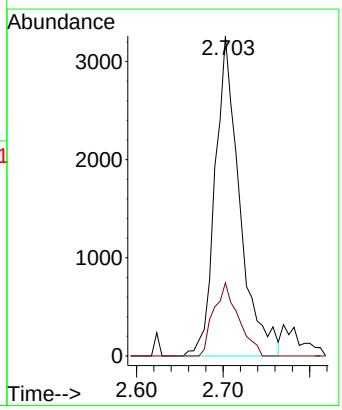
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

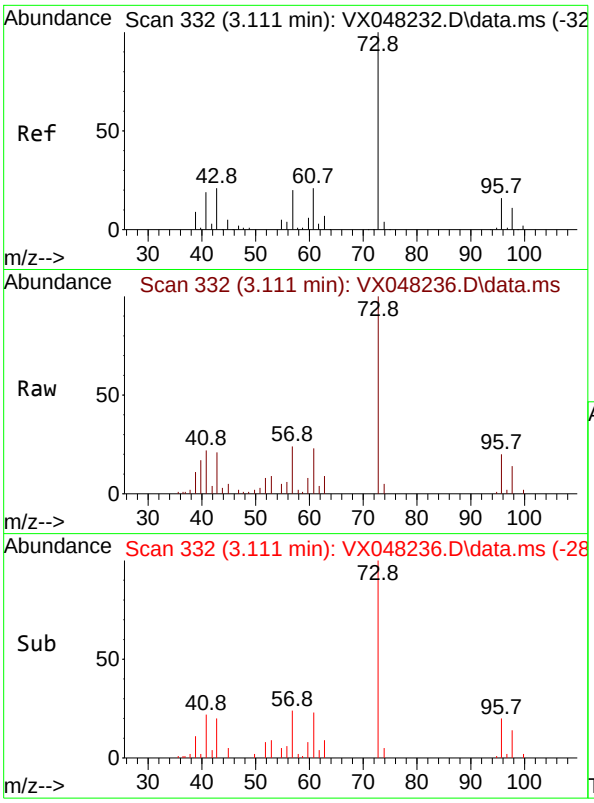


#18
Methyl Acetate
Concen: 4.639 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 43 Resp: 6418

Ion	Ratio	Lower	Upper
43	100		
74	23.0	17.5	26.3

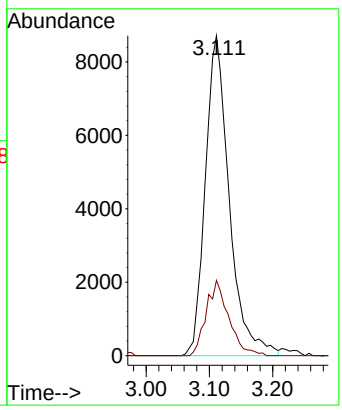




#19
Methyl tert-butyl Ether
Concen: 4.663 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 73 Resp: 2293

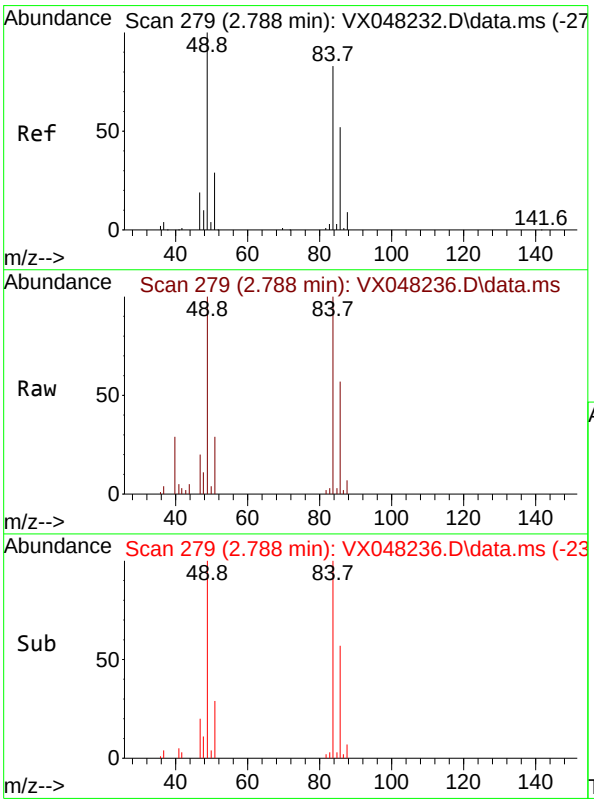
Ion	Ratio	Lower	Upper
73	100		
57	23.6	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

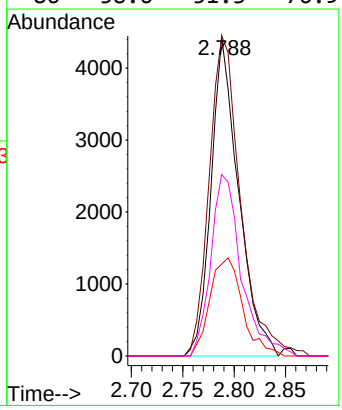
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

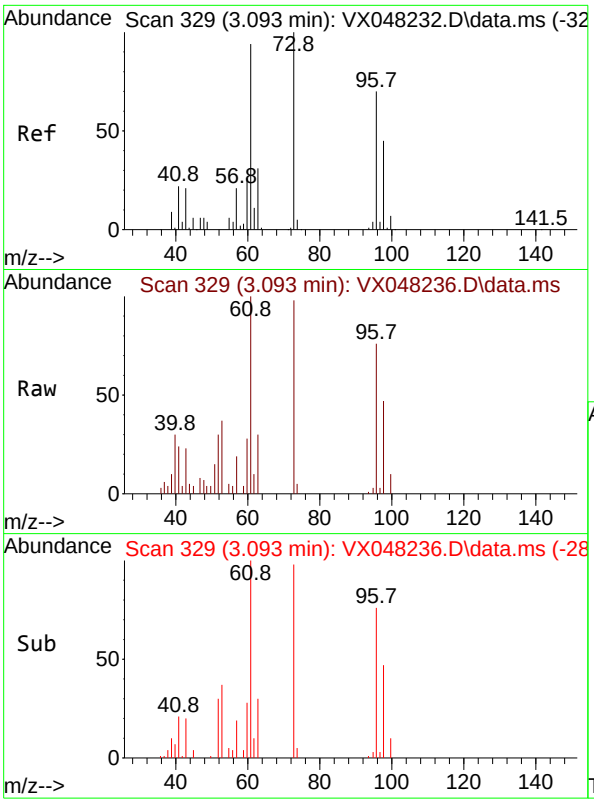


#20
Methylene Chloride
Concen: 5.163 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 84 Resp: 8228

Ion	Ratio	Lower	Upper
84	100		
49	100.4	104.1	156.1#
51	28.8	31.3	46.9#
86	58.6	51.3	76.9





#21
trans-1,2-Dichloroethene
Concen: 5.393 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

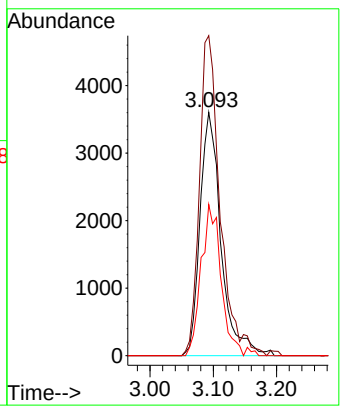
Tgt Ion: 96 Resp: 834

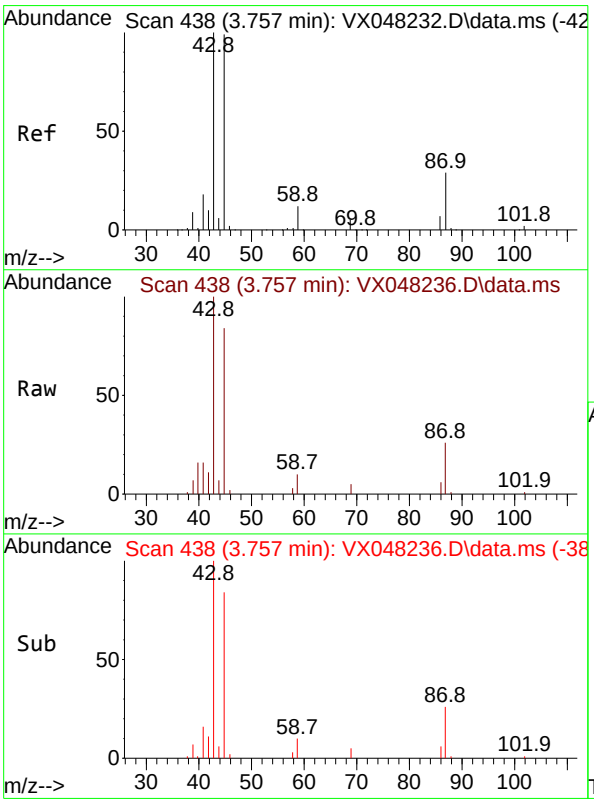
Ion	Ratio	Lower	Upper
96	100		
61	131.5	111.9	167.9
98	62.1	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

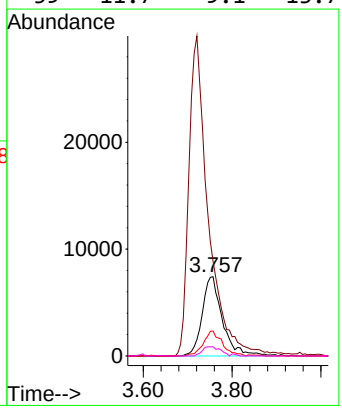


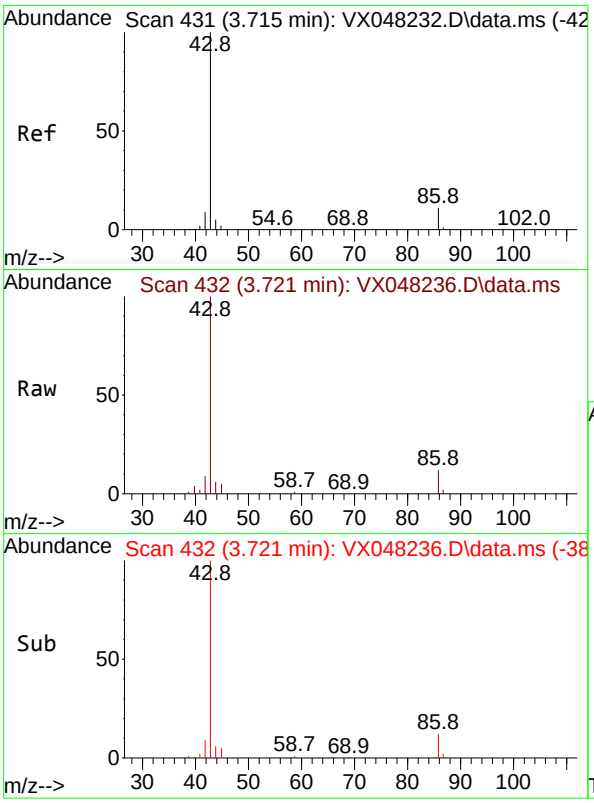


#22
Diisopropyl ether
Concen: 4.984 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 45 Resp: 23533

Ion	Ratio	Lower	Upper
45	100		
43	113.3	89.8	134.8
87	31.5	20.6	31.0#
59	11.7	9.1	13.7





#23
Vinyl Acetate
Concen: 24.336 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

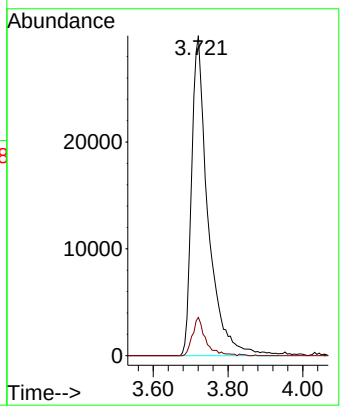
Tgt Ion: 43 Resp: 9177

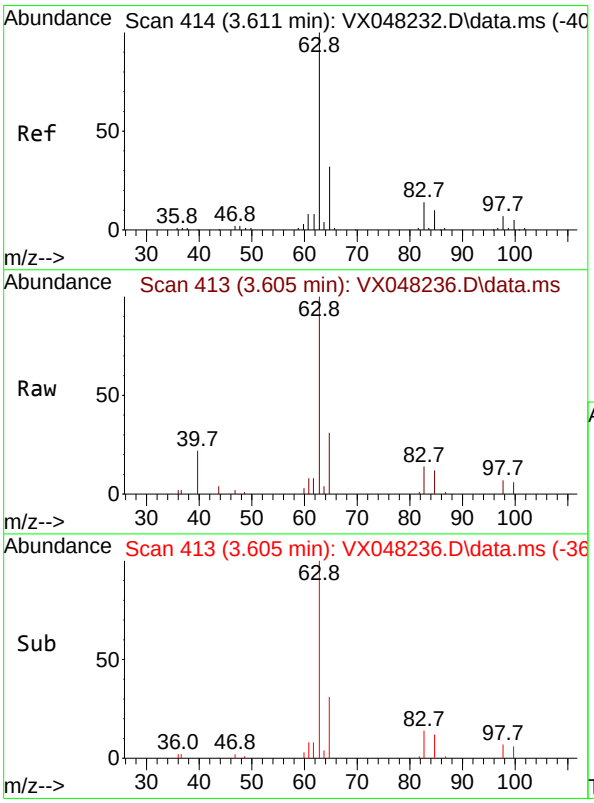
Ion	Ratio	Lower	Upper
43	100		
86	13.5	7.9	11.9#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

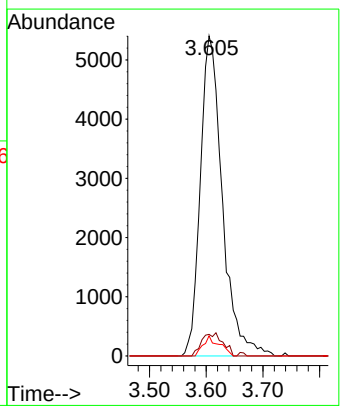


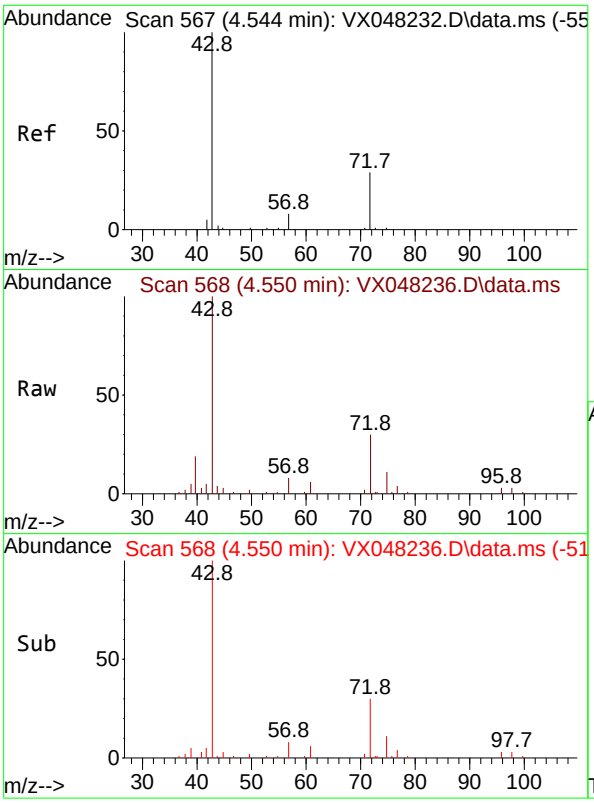


#24
1,1-Dichloroethane
Concen: 5.126 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 63 Resp: 14582

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	6.3	2.1	6.3#





#25
2-Butanone
Concen: 26.293 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

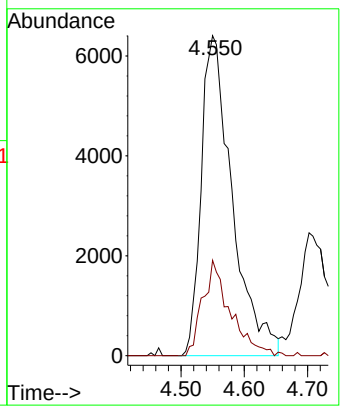
Tgt Ion: 43 Resp: 2180

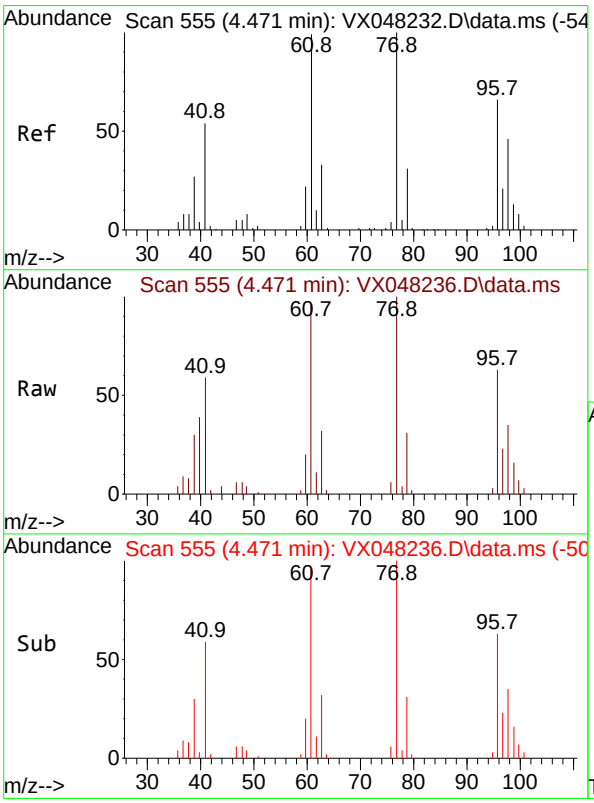
Ion	Ratio	Lower	Upper
43	100		
72	30.6	19.9	29.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
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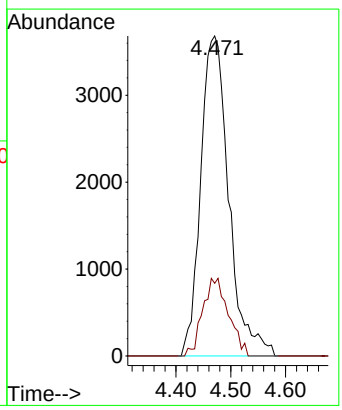


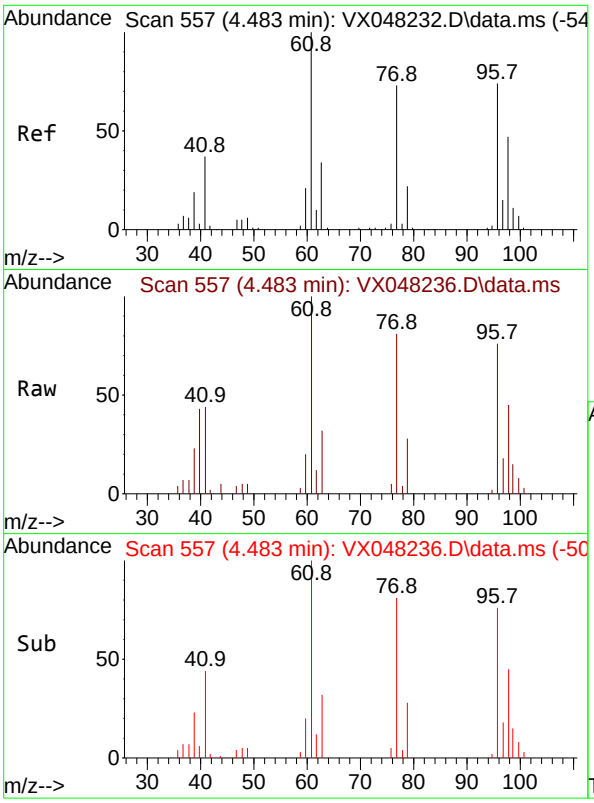


#26
2,2-Dichloropropane
Concen: 5.066 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 77 Resp: 13077

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.1	33.3

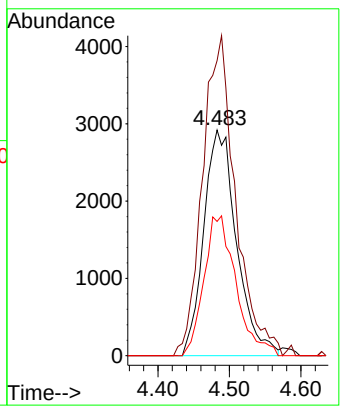




#27
cis-1,2-Dichloroethene
Concen: 5.084 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 96 Resp: 931

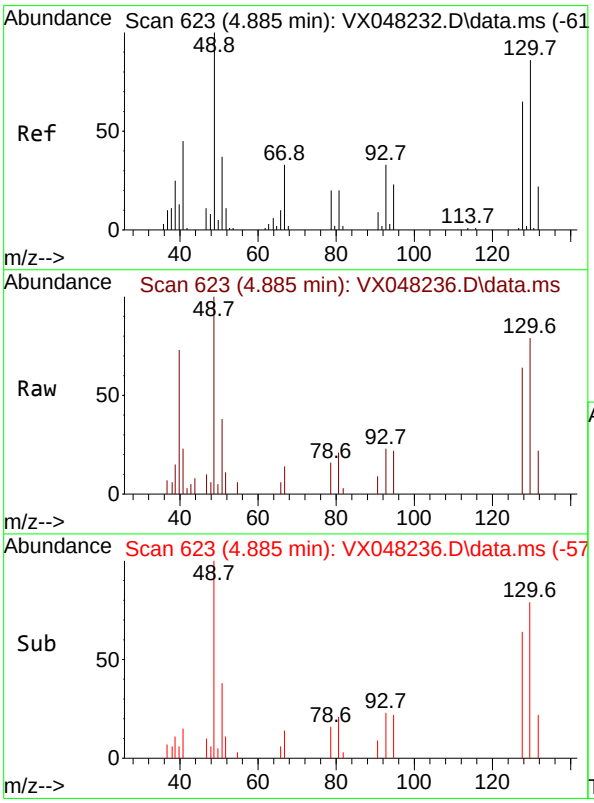
Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	294.2
98	60.5	0.0	128.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

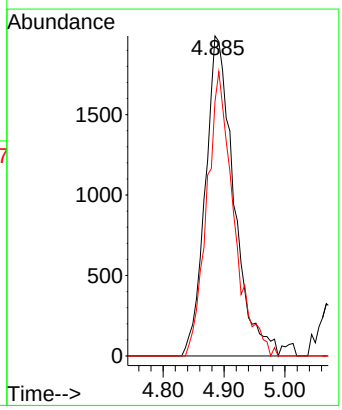
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

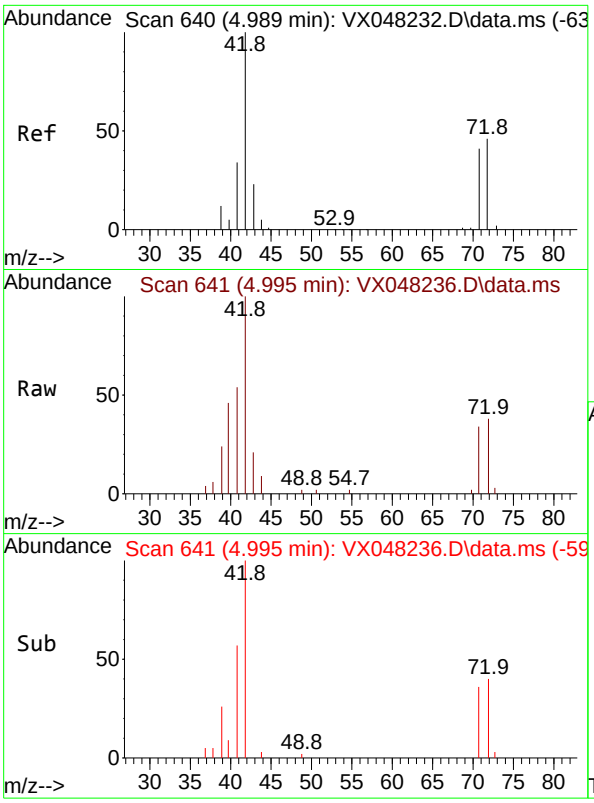


#28
Bromochloromethane
Concen: 5.474 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 49 Resp: 6488

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	83.5	59.3	88.9





#29
Tetrahydrofuran
Concen: 25.353 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

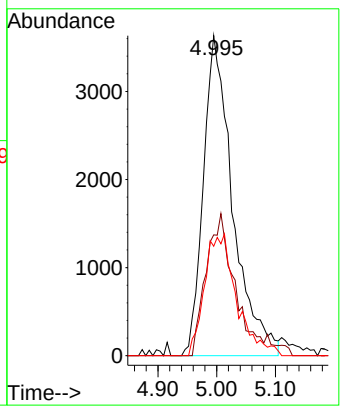
Tgt Ion: 42 Resp: 1263

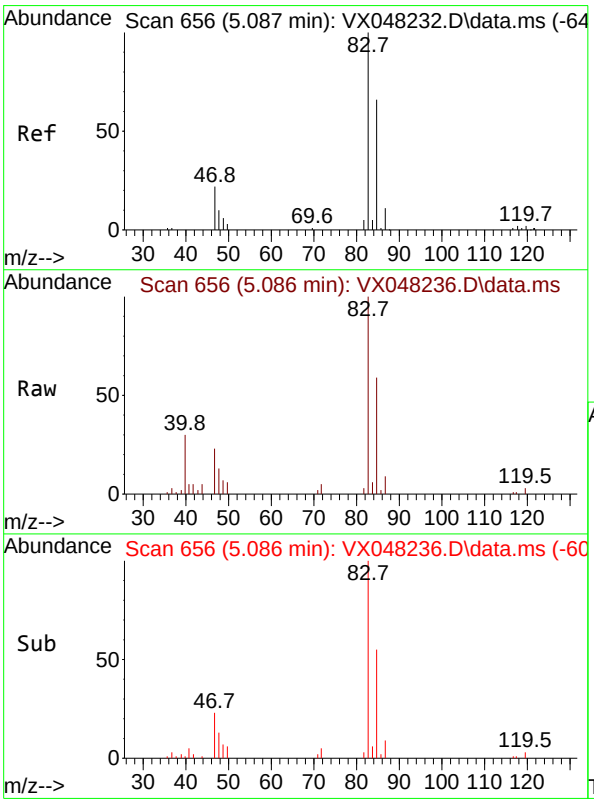
Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.3	52.9
71	41.3	32.2	48.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

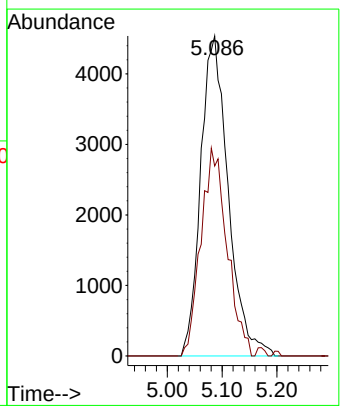


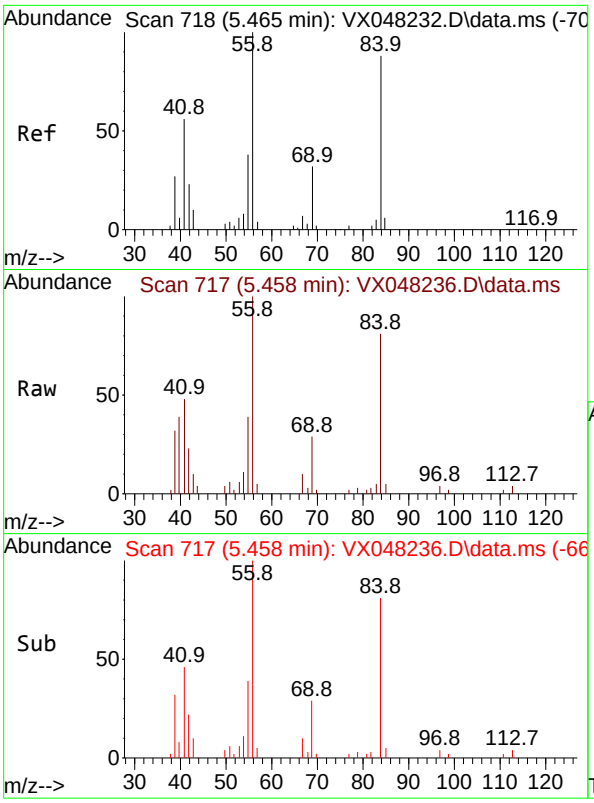


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 83 Resp: 15814

Ion	Ratio	Lower	Upper
83	100		
85	59.4	50.1	75.1

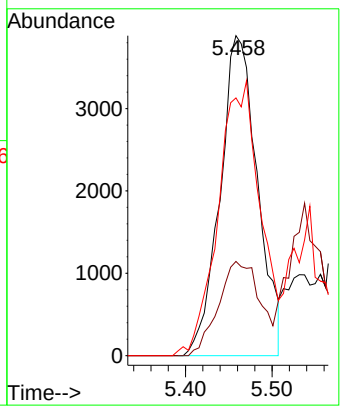




#31
Cyclohexane
Concen: 4.943 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 56 Resp: 1166

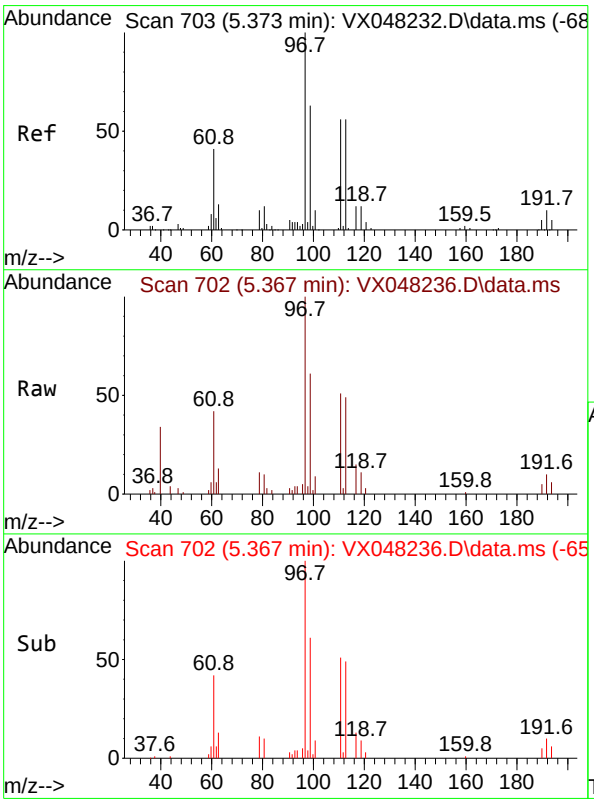
Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.0	34.6
84	79.1	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

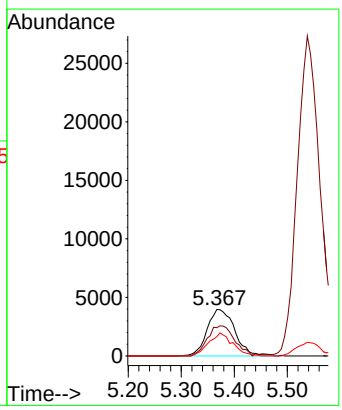
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

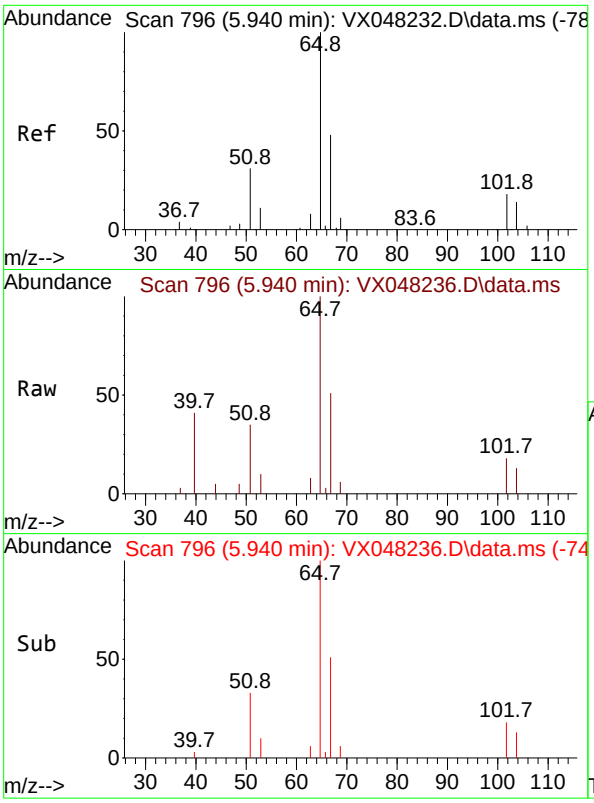


#32
1,1,1-Trichloroethane
Concen: 5.115 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 97 Resp: 14399

Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.7	77.5
61	42.8	34.8	52.2

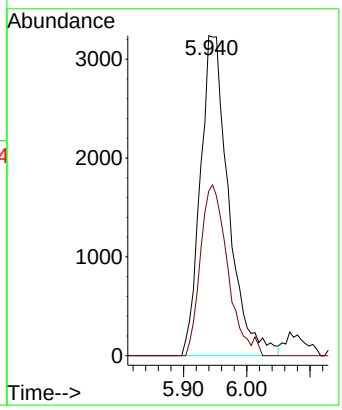




#33
1,2-Dichloroethane-d4
Concen: 4.008 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 65 Resp: 1003

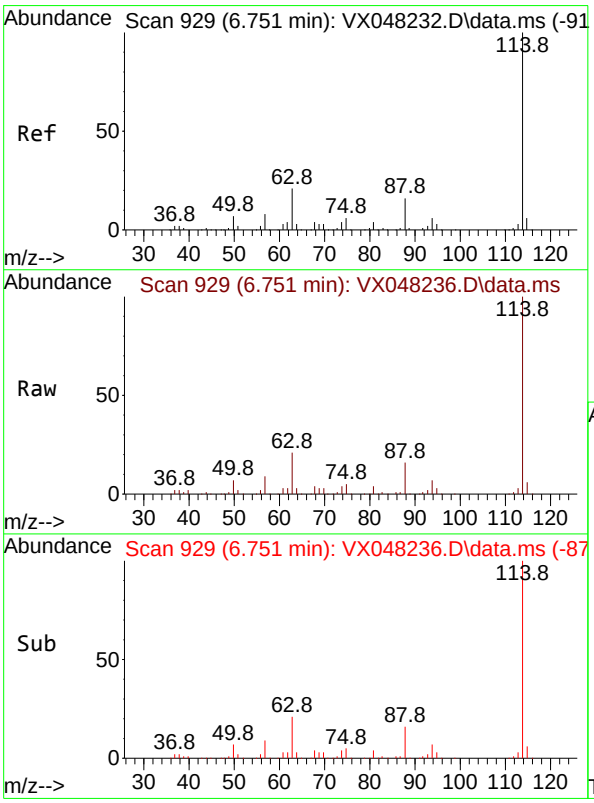
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

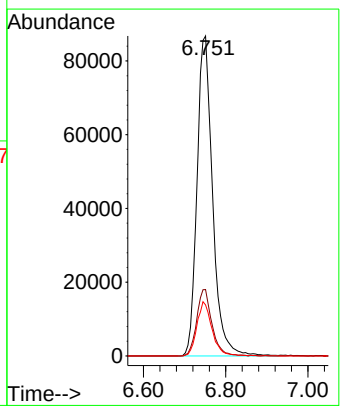
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

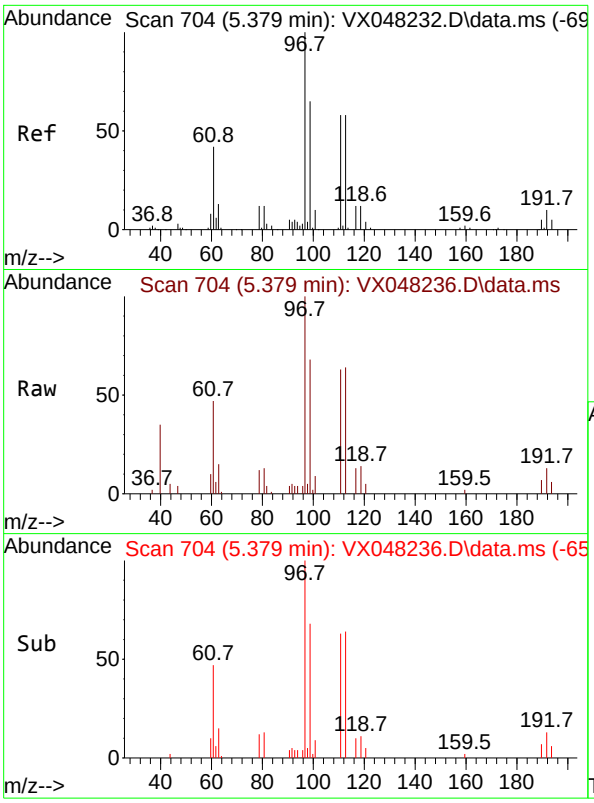


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:114 Resp: 228619

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.2
88	15.9	0.0	33.6

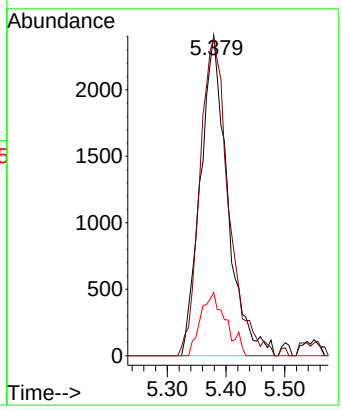




#35
Dibromofluoromethane
Concen: 3.839 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:113 Resp: 773

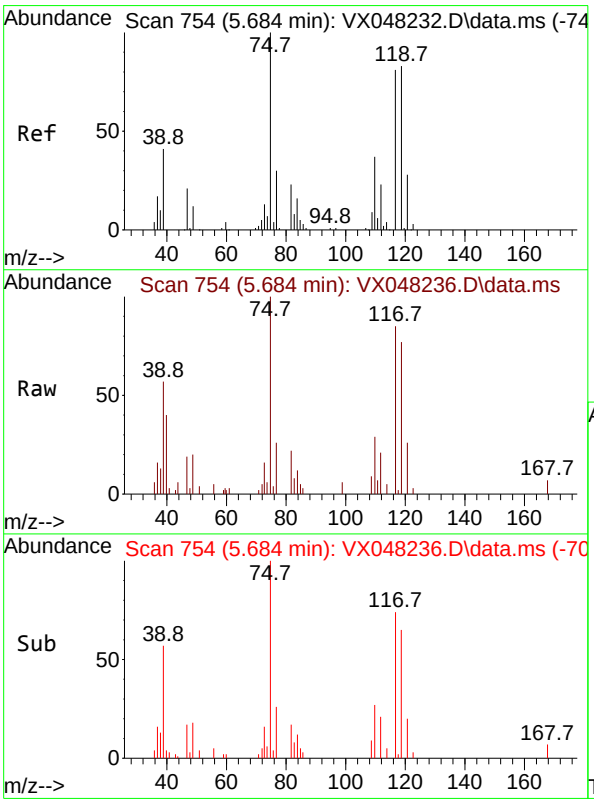
Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.2	123.4
192	18.3	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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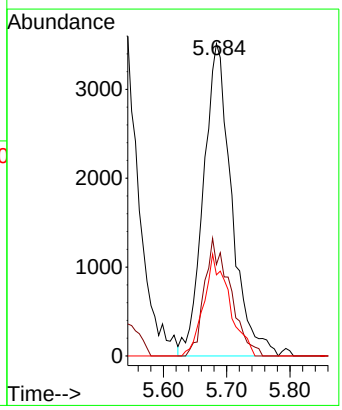
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

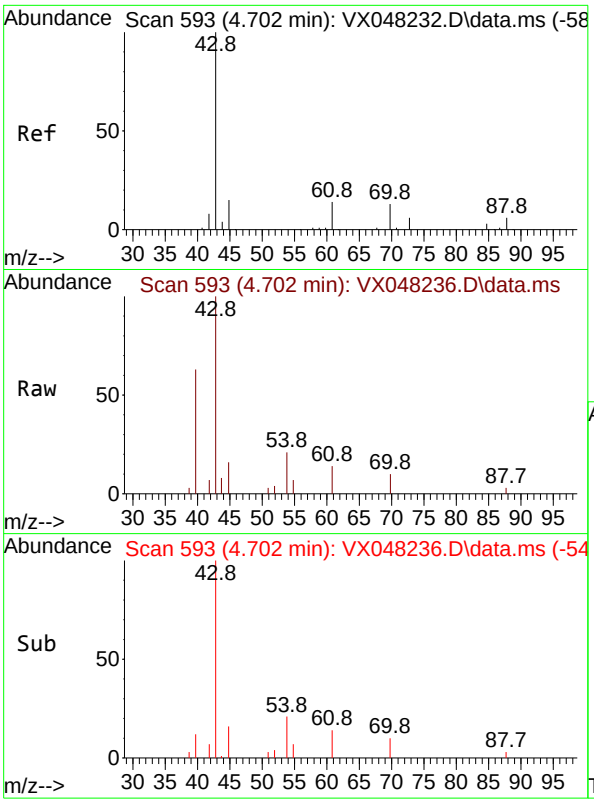


#36
1,1-Dichloropropene
Concen: 5.001 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 10855

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.7	53.1
77	29.5	24.3	36.5





#37
Ethyl Acetate
Concen: 4.970 ug/l m
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

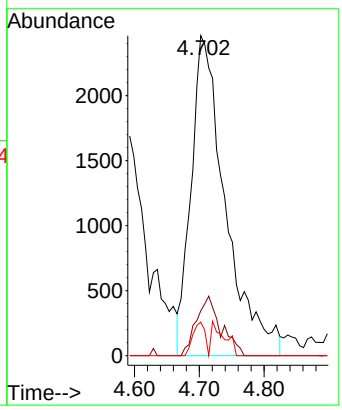
Tgt Ion: 43 Resp: 905

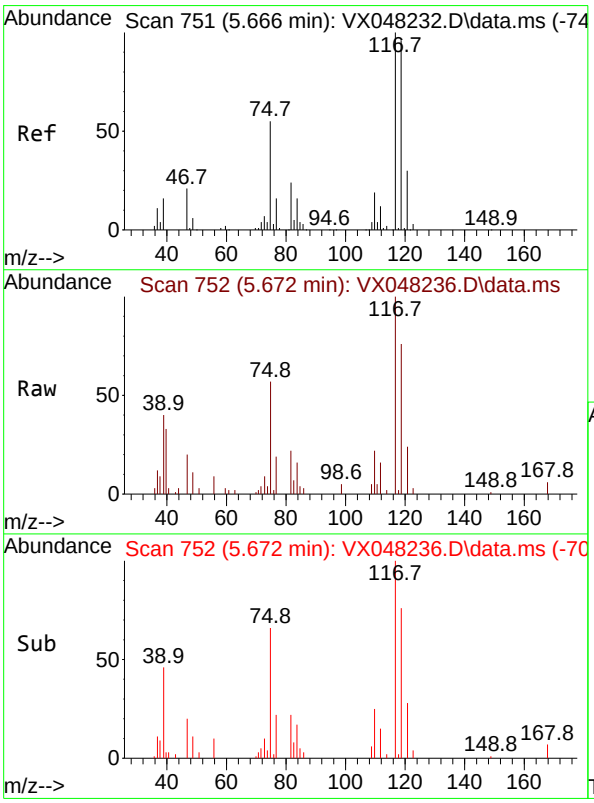
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	15.8#
70	3.7	7.8	11.6#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

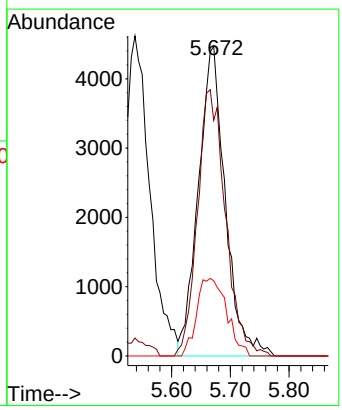


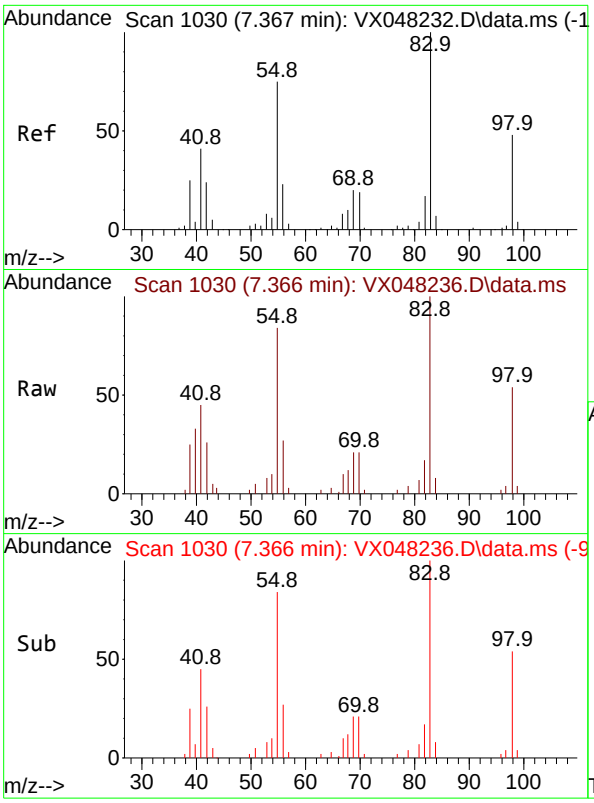


#38
Carbon Tetrachloride
Concen: 5.323 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:117 Resp: 14225

Ion	Ratio	Lower	Upper
117	100		
119	76.0	77.2	115.8#
121	24.3	24.8	37.2#

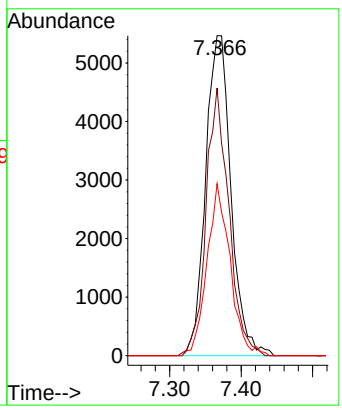




#39
Methylcyclohexane
Concen: 5.318 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 83 Resp: 1349

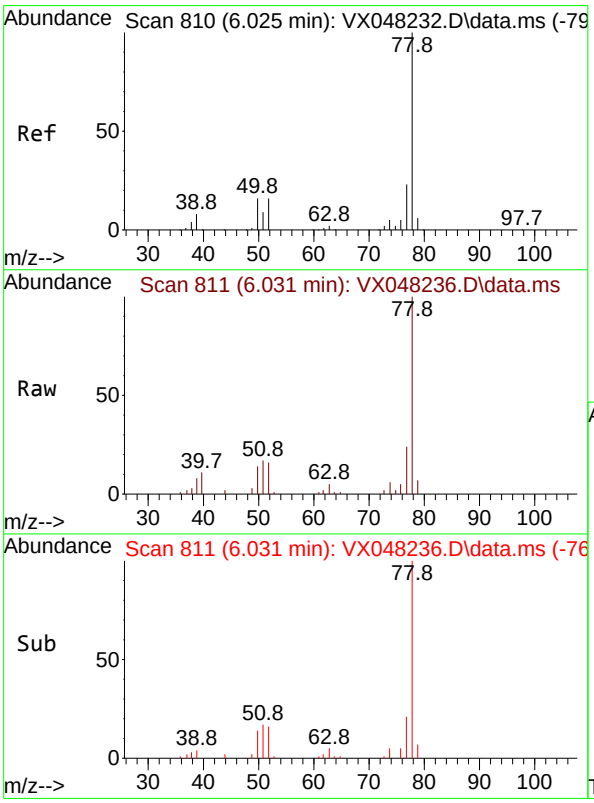
Ion	Ratio	Lower	Upper
83	100		
55	83.6	66.2	99.2
98	53.8	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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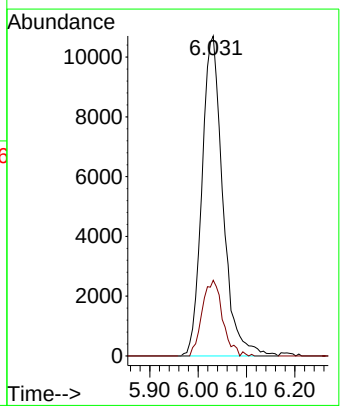
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

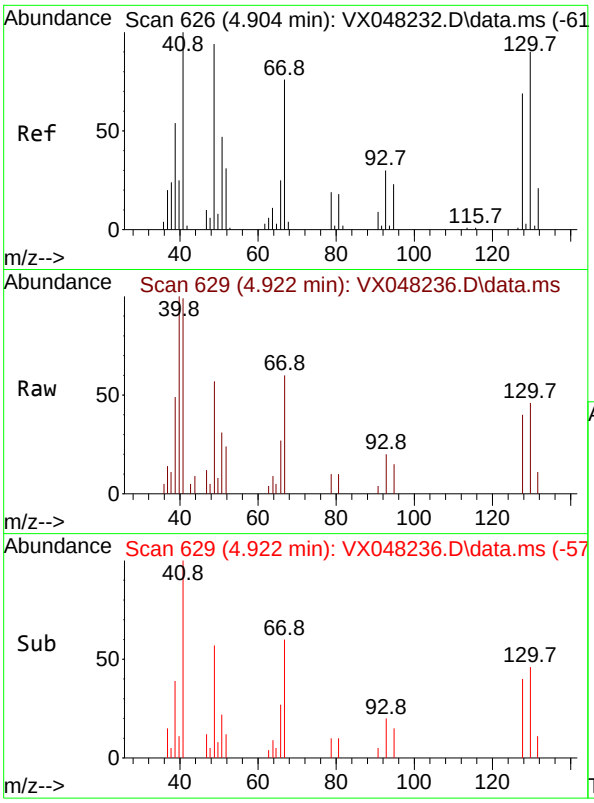


#40
Benzene
Concen: 5.103 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 78 Resp: 32115

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9

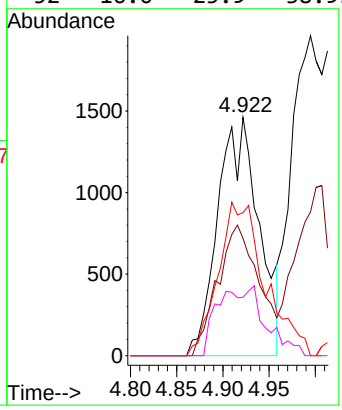




#41
Methacrylonitrile
Concen: 4.817 ug/l m
RT: 4.922 min Scan# 6
Delta R.T. 0.018 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 41 Resp: 453

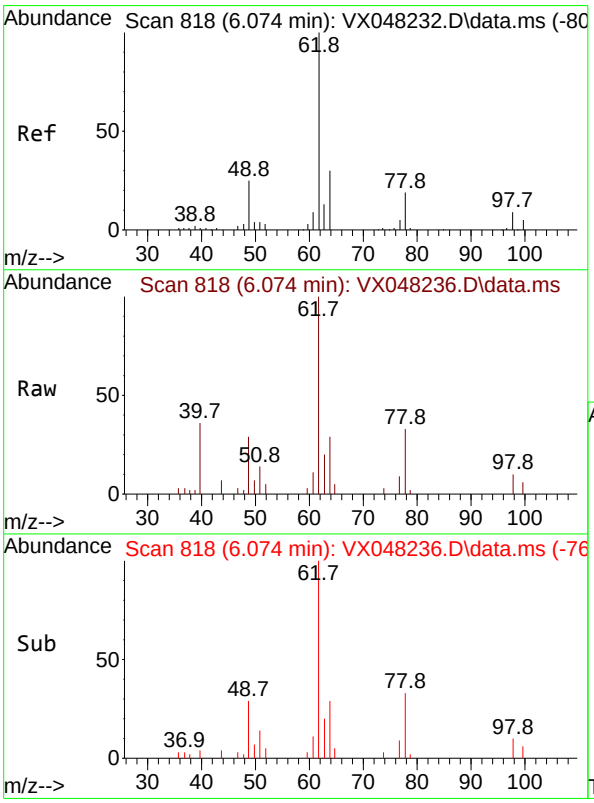
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.0	66.0
67	72.8	58.7	88.1
52	16.0	25.9	38.9#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

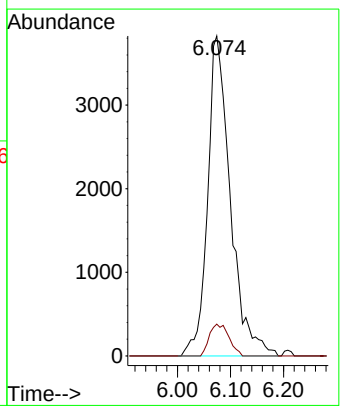
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

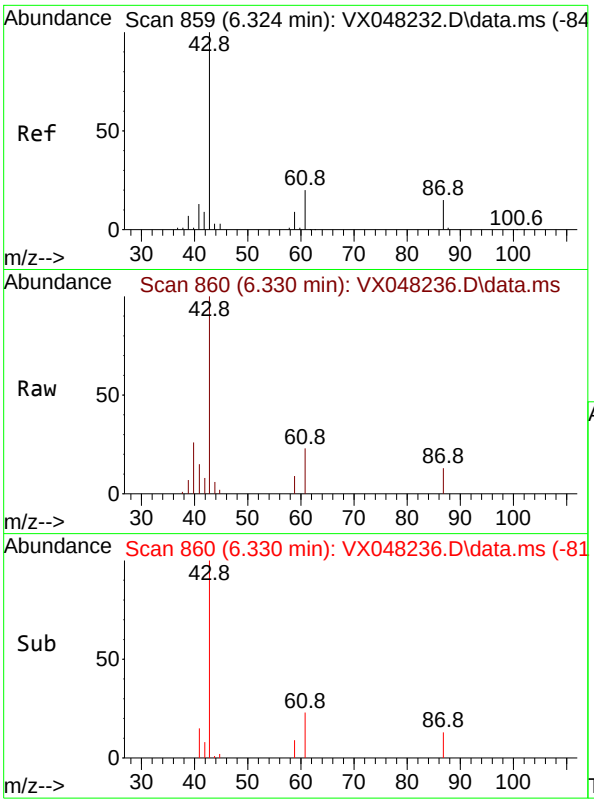


#42
1,2-Dichloroethane
Concen: 4.870 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 62 Resp: 11412

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2





#43
Isopropyl Acetate
Concen: 4.656 ug/l
RT: 6.330 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

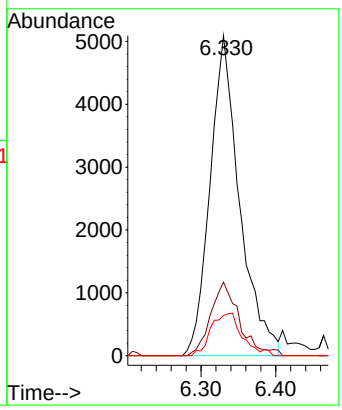
Tgt Ion: 43 Resp: 1399

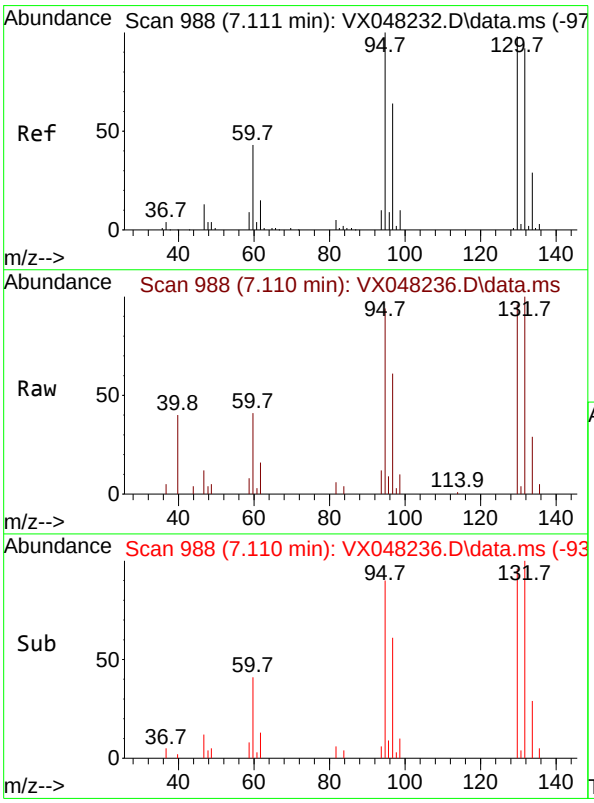
Ion	Ratio	Lower	Upper
43	100		
61	22.5	14.9	22.3#
87	14.0	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

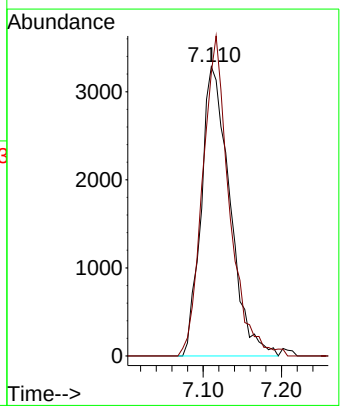


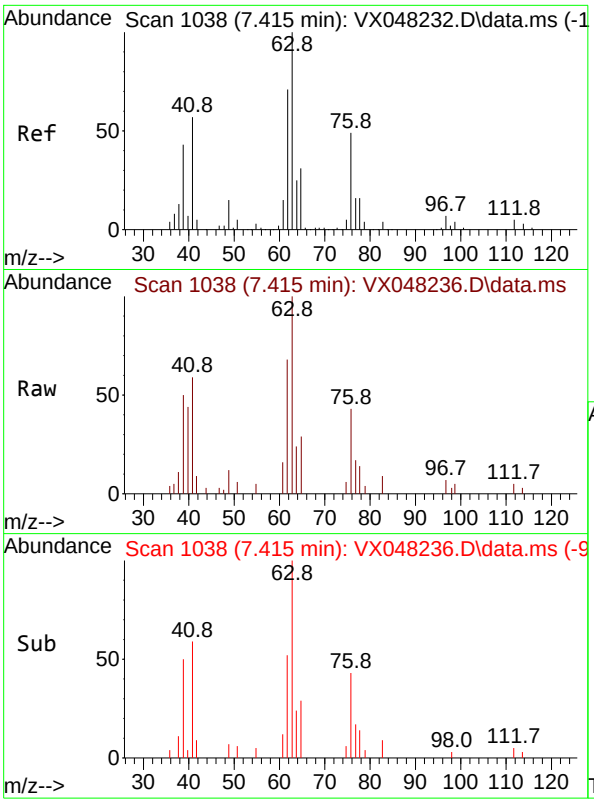


#44
Trichloroethene
Concen: 5.009 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:130 Resp: 8373

Ion	Ratio	Lower	Upper
130	100		
95	107.6	0.0	200.6





#45
1,2-Dichloropropane
Concen: 5.129 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

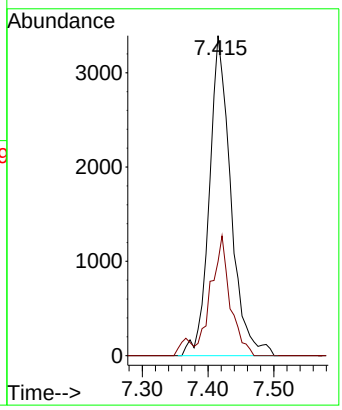
Tgt Ion: 63 Resp: 770

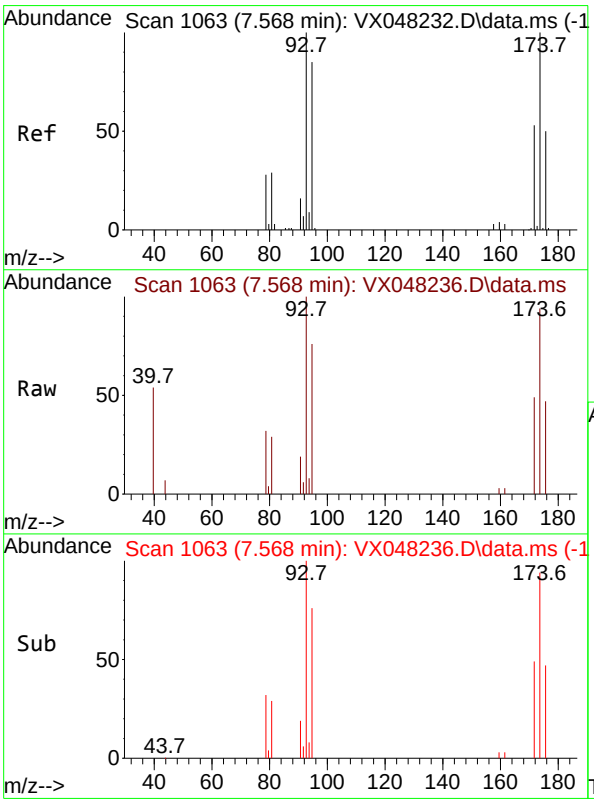
Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

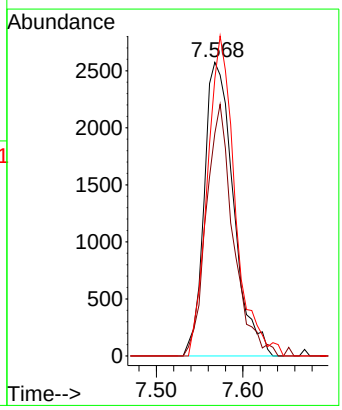


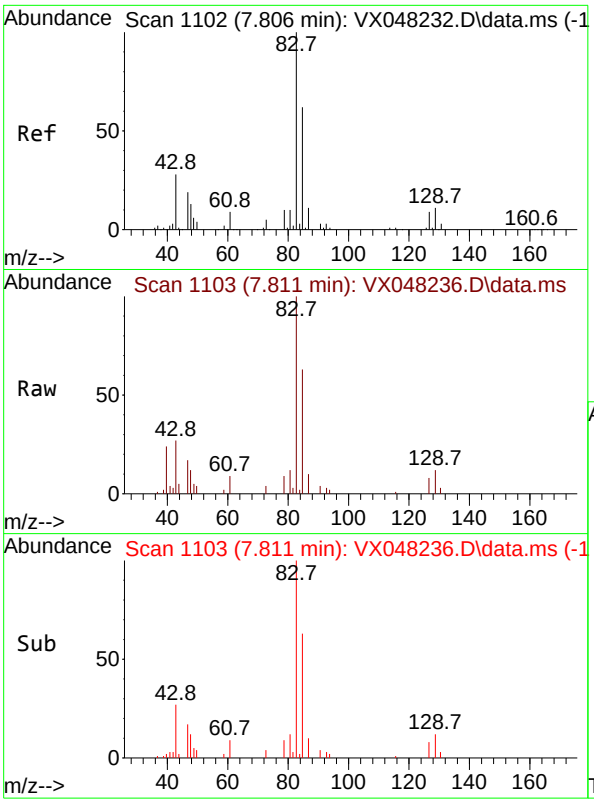


#46
Dibromomethane
Concen: 5.181 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 93 Resp: 6041

Ion	Ratio	Lower	Upper
93	100		
95	79.0	65.9	98.9
174	103.1	71.7	107.5

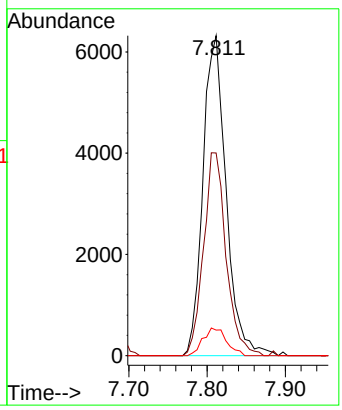




#47
Bromodichloromethane
Concen: 5.126 ug/l
RT: 7.811 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 83 Resp: 1297

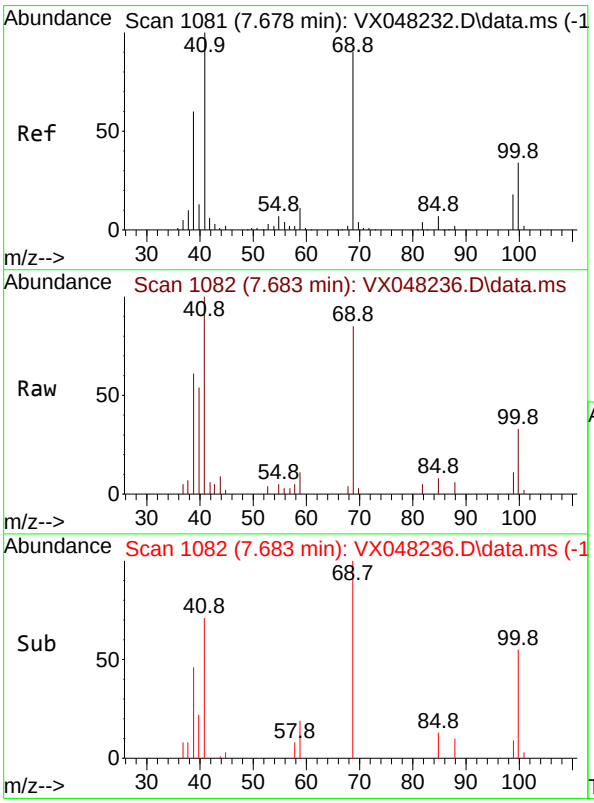
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.4
127	8.0	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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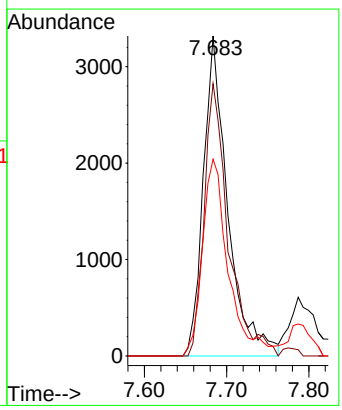
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

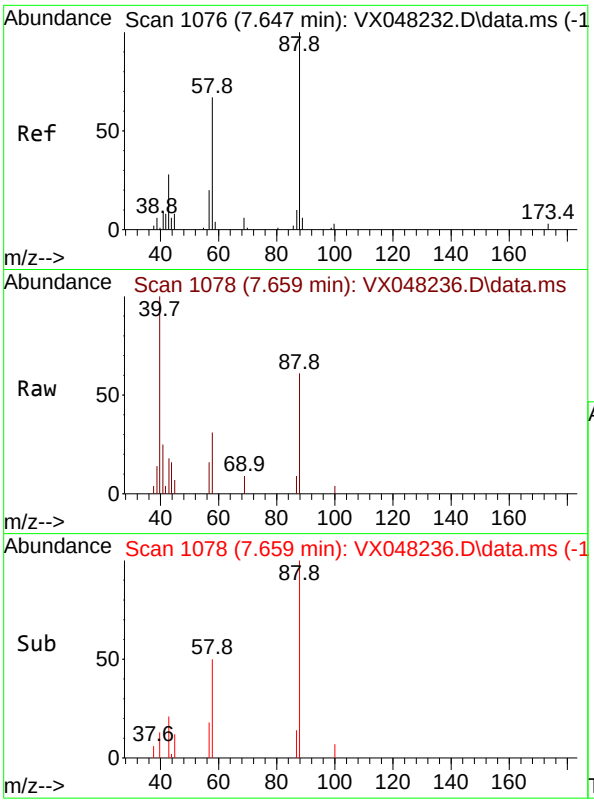


#48
Methyl methacrylate
Concen: 4.542 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 41 Resp: 6863

Ion	Ratio	Lower	Upper
41	100		
69	83.7	63.4	95.0
39	64.8	47.1	70.7

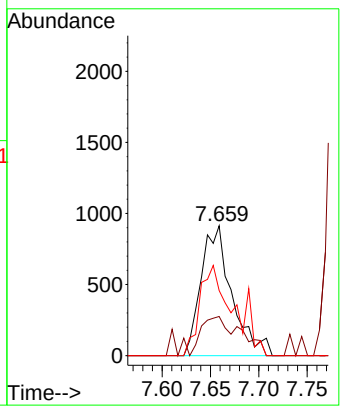




#49
1,4-Dioxane
Concen: 103.402 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 88 Resp: 202

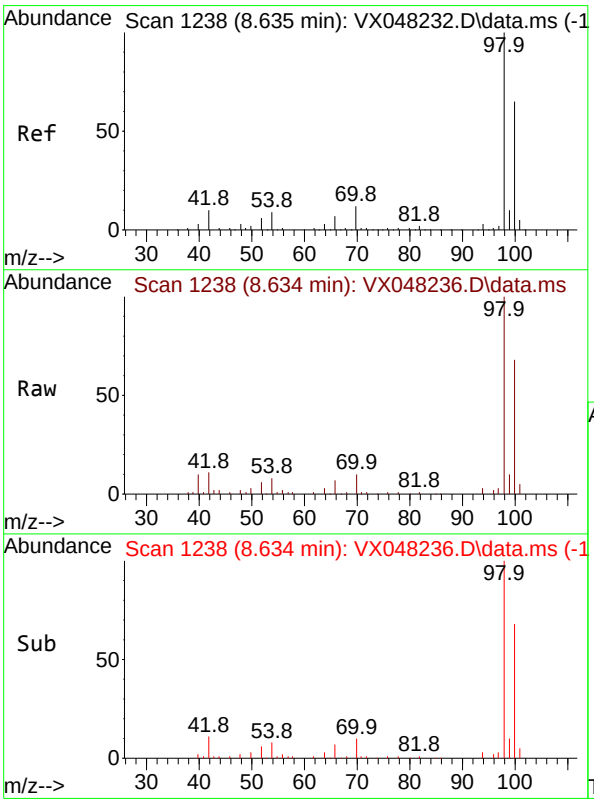
Ion	Ratio	Lower	Upper
88	100		
43	38.4	35.0	52.4
58	76.8	61.9	92.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

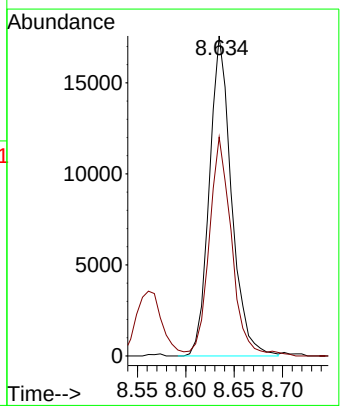
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

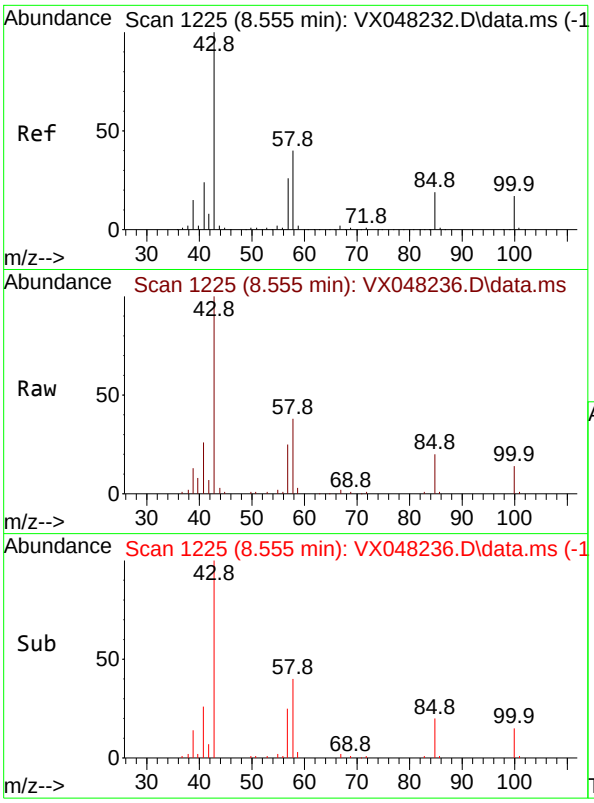


#50
Toluene-d8
Concen: 3.999 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 98 Resp: 27914

Ion	Ratio	Lower	Upper
98	100		
100	69.2	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 24.936 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

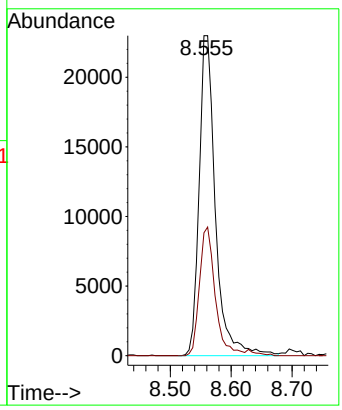
Tgt Ion: 43 Resp: 4272

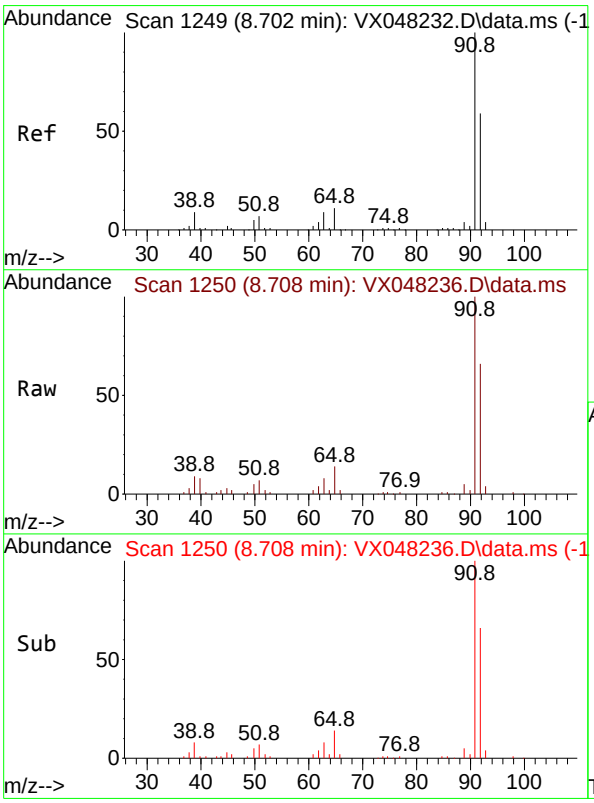
Ion	Ratio	Lower	Upper
43	100		
58	38.7	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

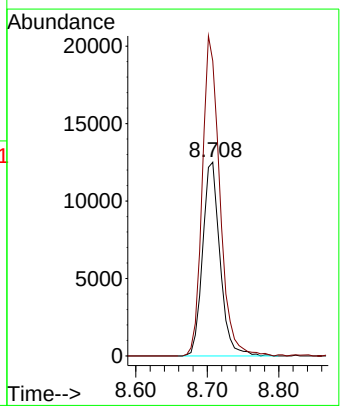


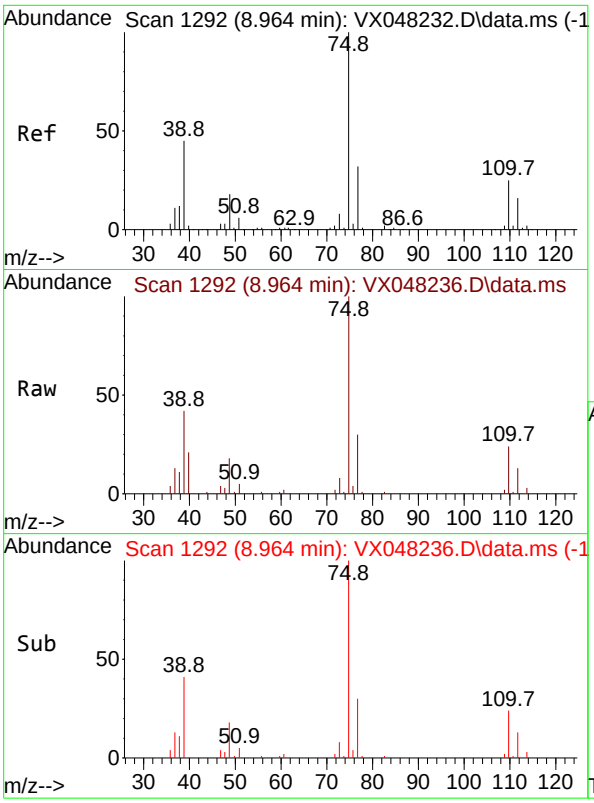


#52
Toluene
Concen: 5.296 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 92 Resp: 21137

Ion	Ratio	Lower	Upper
92	100		
91	166.2	136.1	204.1

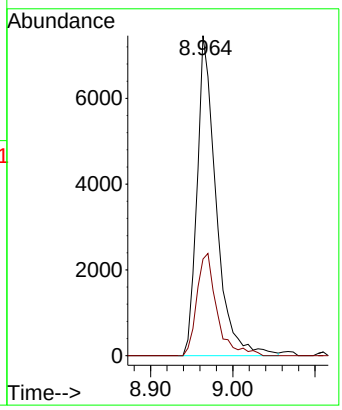




#53
t-1,3-Dichloropropene
Concen: 4.914 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 1201

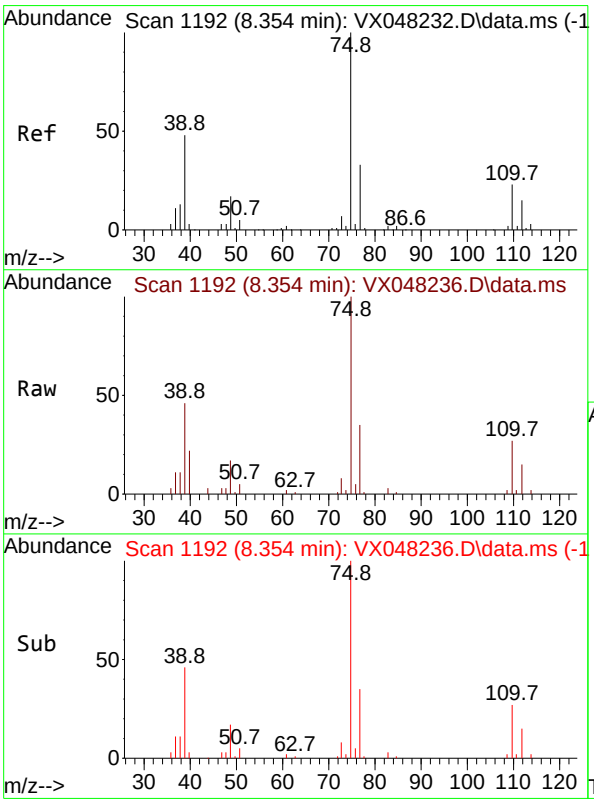
Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

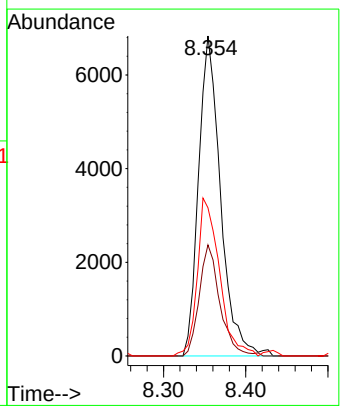
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

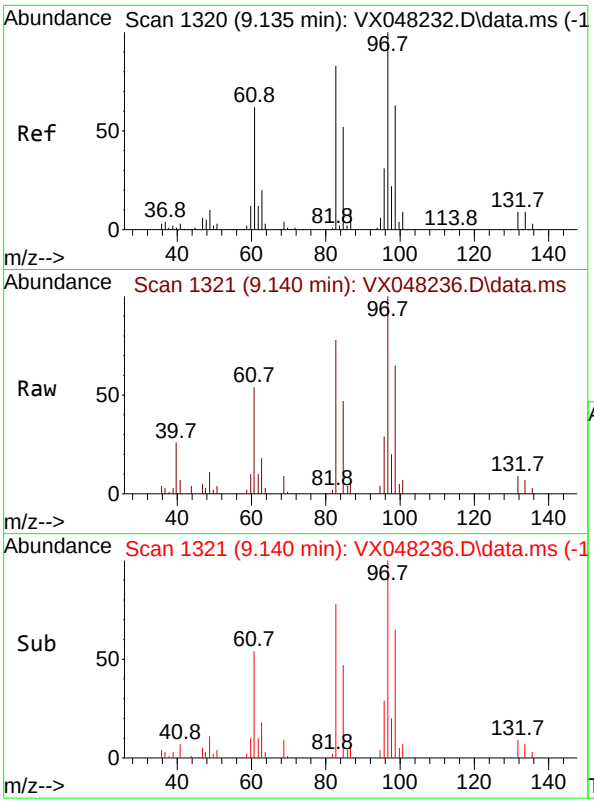


#54
cis-1,3-Dichloropropene
Concen: 4.820 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 12702

Ion	Ratio	Lower	Upper
75	100		
77	35.7	24.9	37.3
39	45.3	42.6	64.0

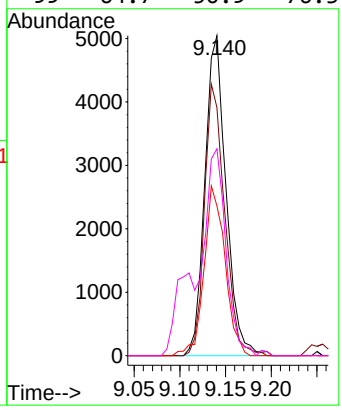




#55
1,1,2-Trichloroethane
Concen: 5.453 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 97 Resp: 811

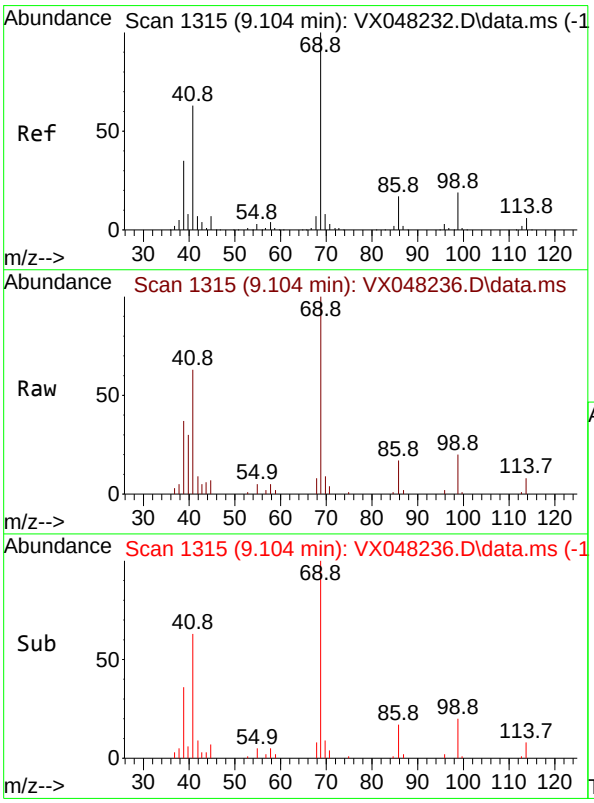
Ion	Ratio	Lower	Upper
97	100		
83	77.5	70.6	105.8
85	46.8	45.0	67.6
99	64.7	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

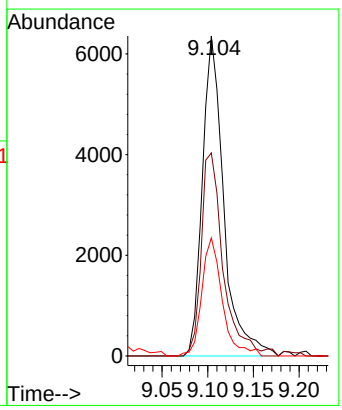
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

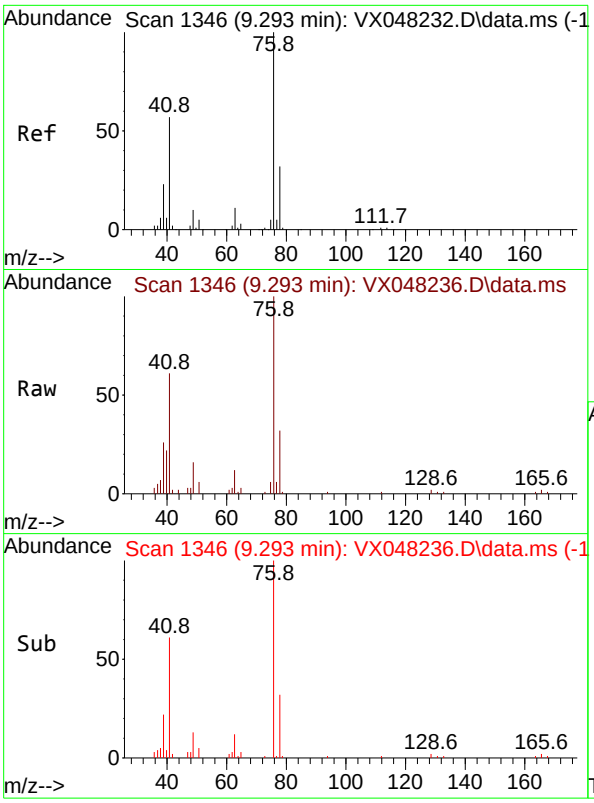


#56
Ethyl methacrylate
Concen: 4.713 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 69 Resp: 10320

Ion	Ratio	Lower	Upper
69	100		
41	65.3	56.0	84.0
39	35.3	31.6	47.4





#57
1,3-Dichloropropane
Concen: 5.112 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

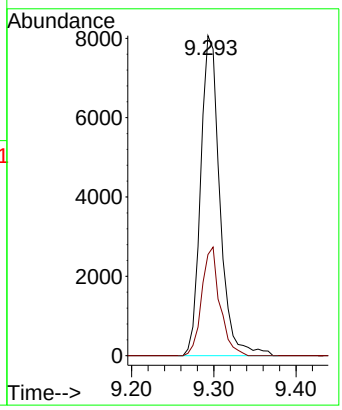
Tgt Ion: 76 Resp: 1308

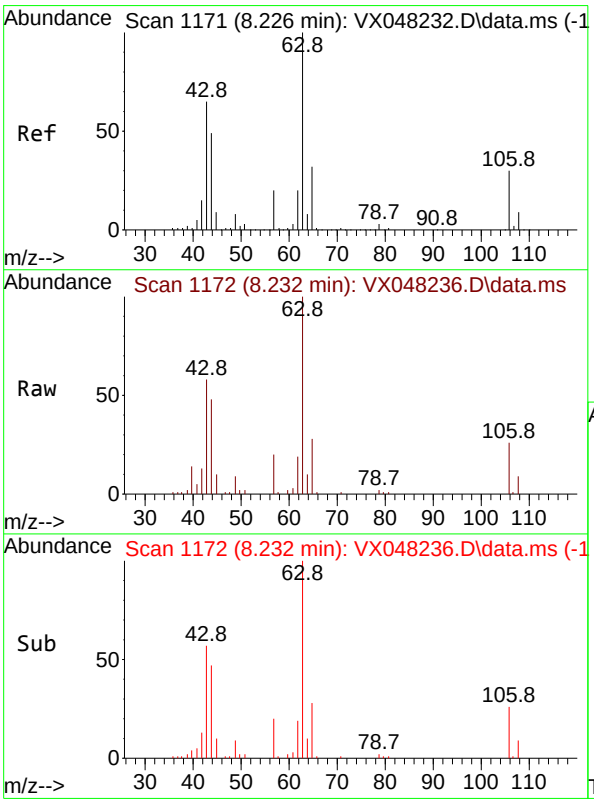
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

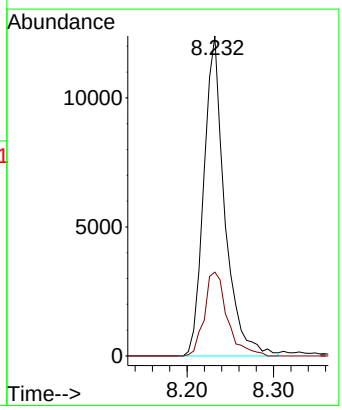


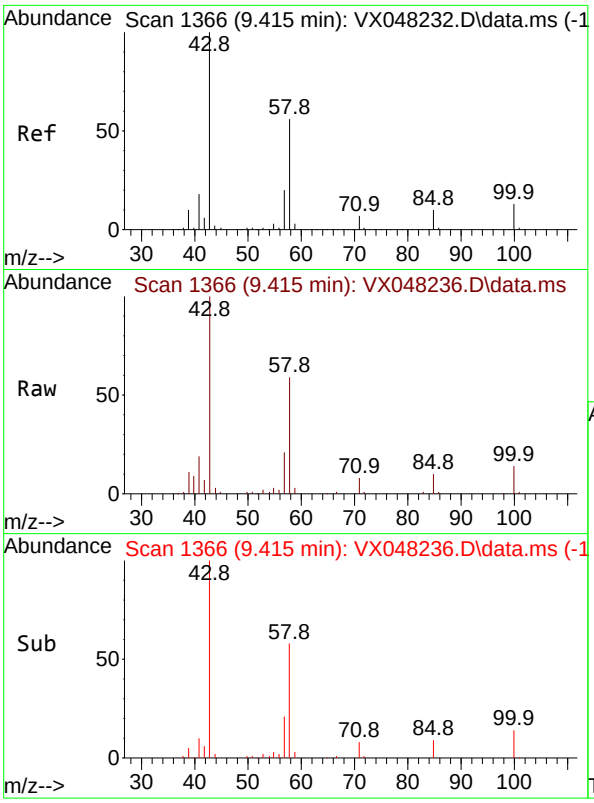


#58
2-Chloroethyl Vinyl ether
Concen: 19.525 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 63 Resp: 20764

Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.2	33.2





#59
2-Hexanone
Concen: 25.896 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

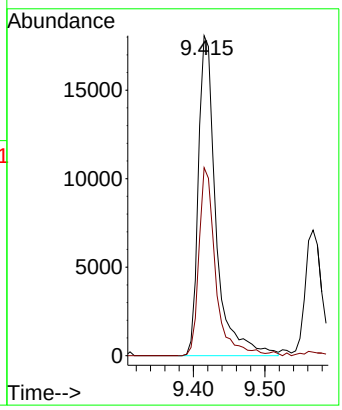
Tgt Ion: 43 Resp: 3094

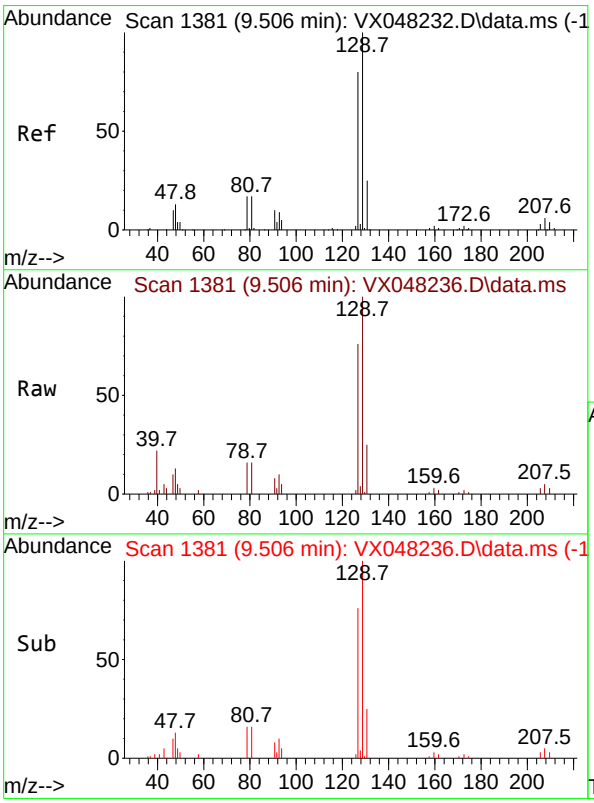
Ion	Ratio	Lower	Upper
43	100		
58	55.4	26.3	78.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

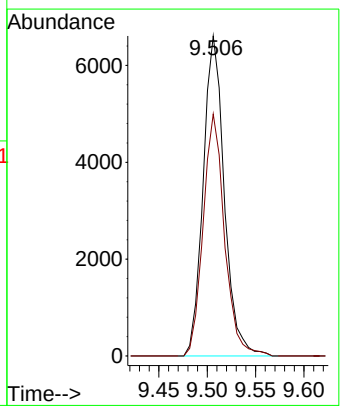


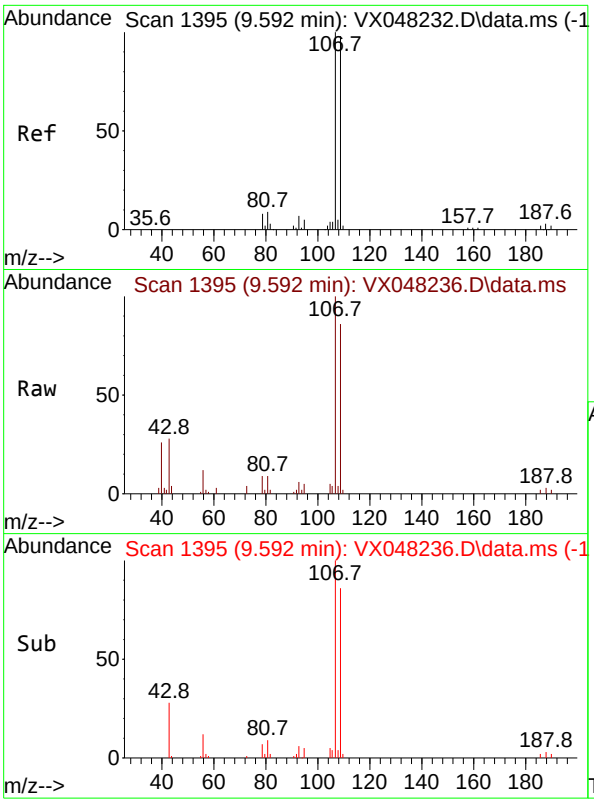


#60
Dibromochloromethane
Concen: 5.028 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:129 Resp: 10082

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.6	115.7





#61
1,2-Dibromoethane
Concen: 5.075 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

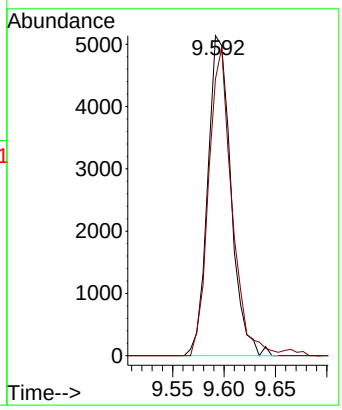
Tgt Ion:107 Resp: 807

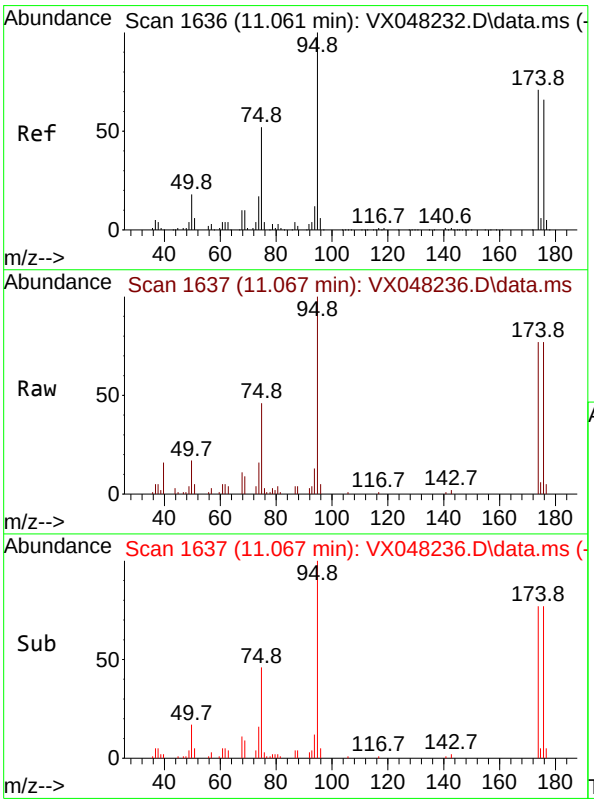
Ion	Ratio	Lower	Upper
107	100		
109	96.3	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

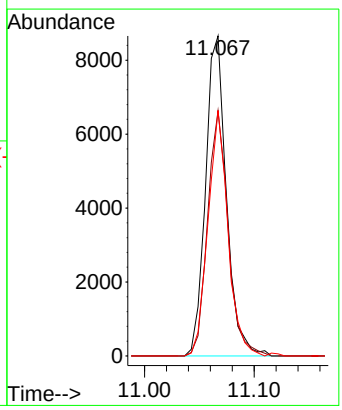


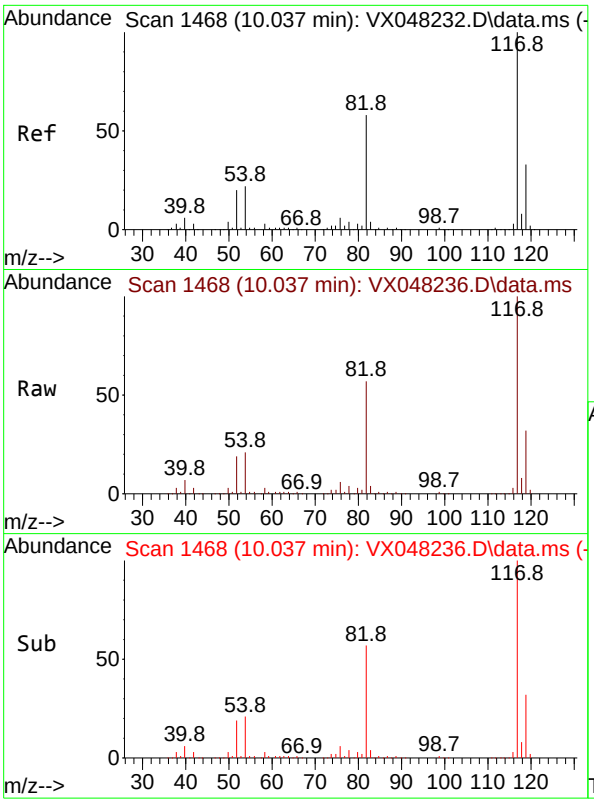


#62
4-Bromofluorobenzene
Concen: 4.042 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 95 Resp: 11429

Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	147.8
176	73.4	0.0	142.8

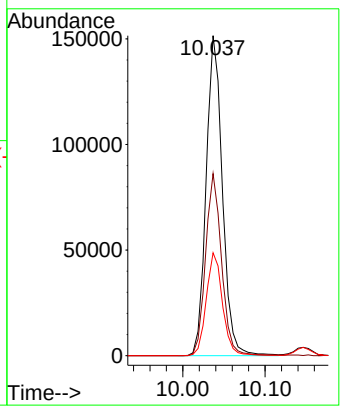




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:117 Resp: 20848

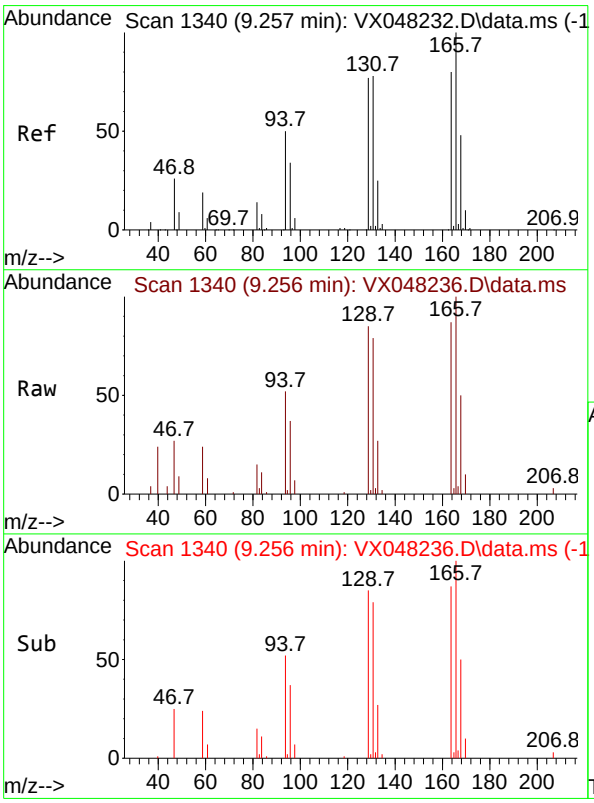
Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.5	69.7
119	32.2	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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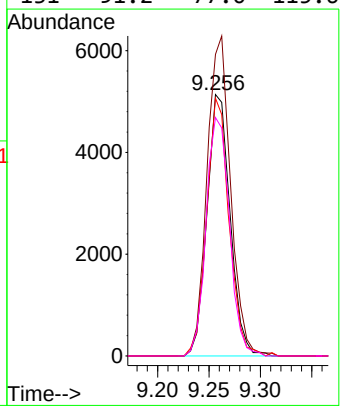
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

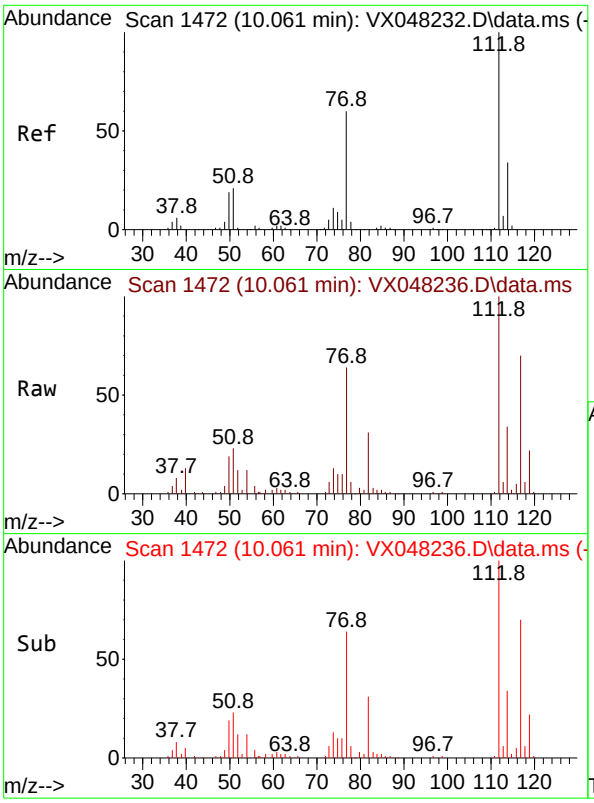


#64
Tetrachloroethene
Concen: 5.341 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:164 Resp: 8020

Ion	Ratio	Lower	Upper
164	100		
166	115.3	104.5	156.7
129	98.6	81.8	122.6
131	91.2	77.0	115.6





#65
Chlorobenzene
Concen: 5.236 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

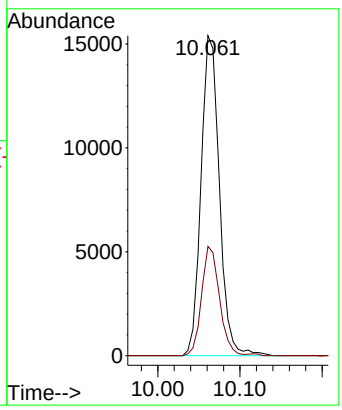
Tgt Ion:112 Resp: 2387

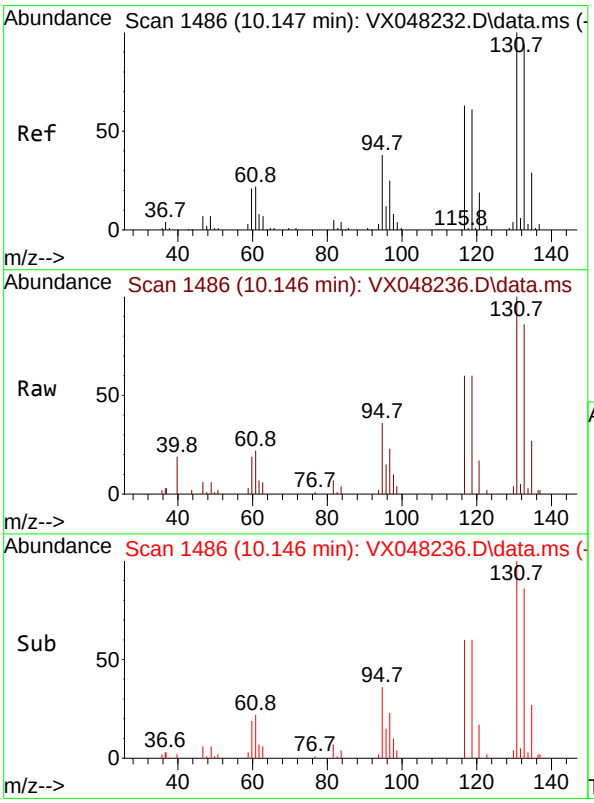
Ion	Ratio	Lower	Upper
112	100		
114	34.2	26.2	39.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

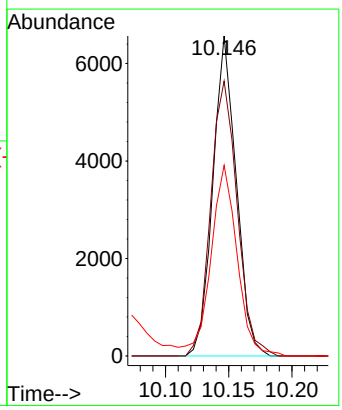


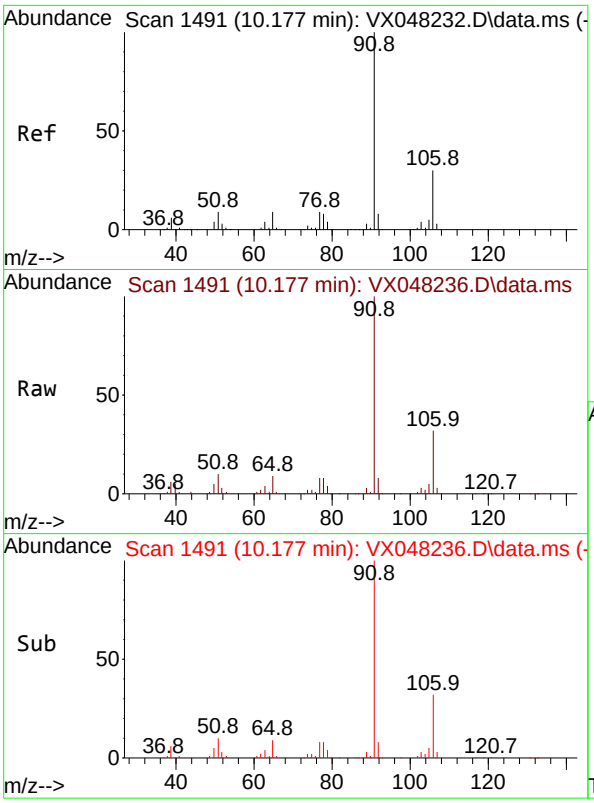


#66
1,1,1,2-Tetrachloroethane
Concen: 5.012 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:131 Resp: 8450

Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.6	142.8
119	66.7	32.5	97.5





#67
Ethyl Benzene
Concen: 5.044 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

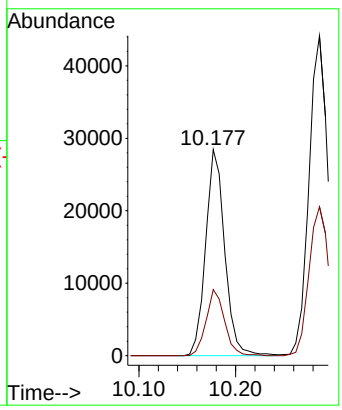
Tgt Ion: 91 Resp: 3912

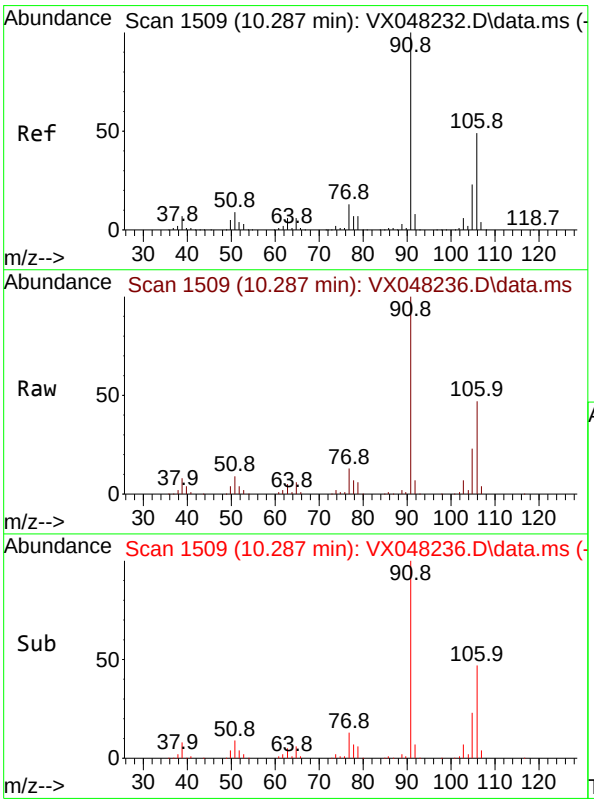
Ion	Ratio	Lower	Upper
91	100		
106	32.1	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

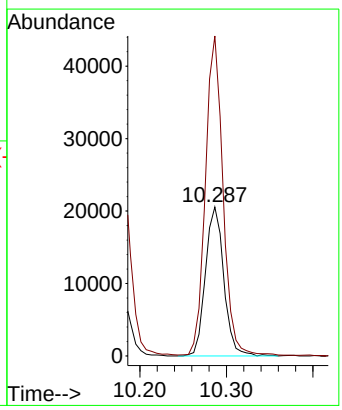


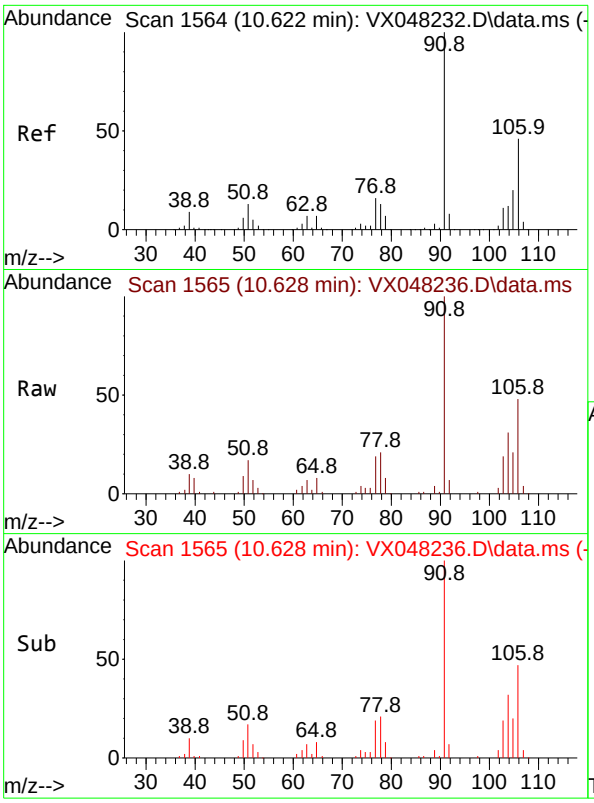


#68
m/p-Xylenes
Concen: 10.586 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:106 Resp: 30310

Ion	Ratio	Lower	Upper
106	100		
91	205.7	167.9	251.9

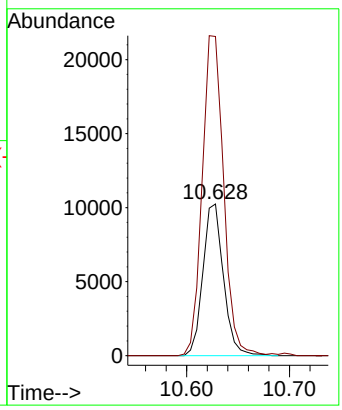




#69
o-Xylene
Concen: 5.128 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:106 Resp: 1426

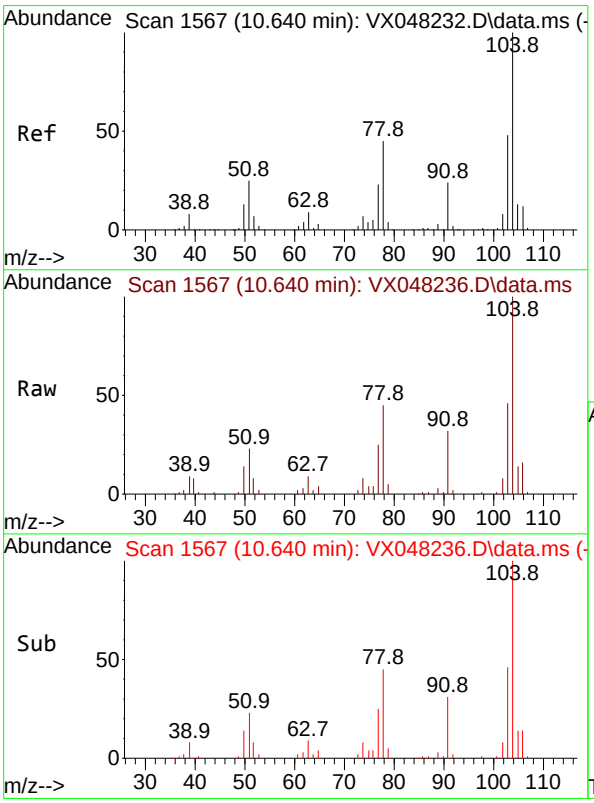
Ion	Ratio	Lower	Upper
106	100		
91	219.6	111.3	333.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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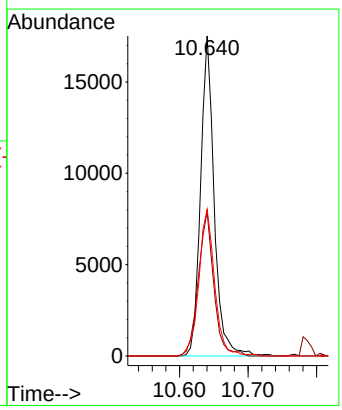
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

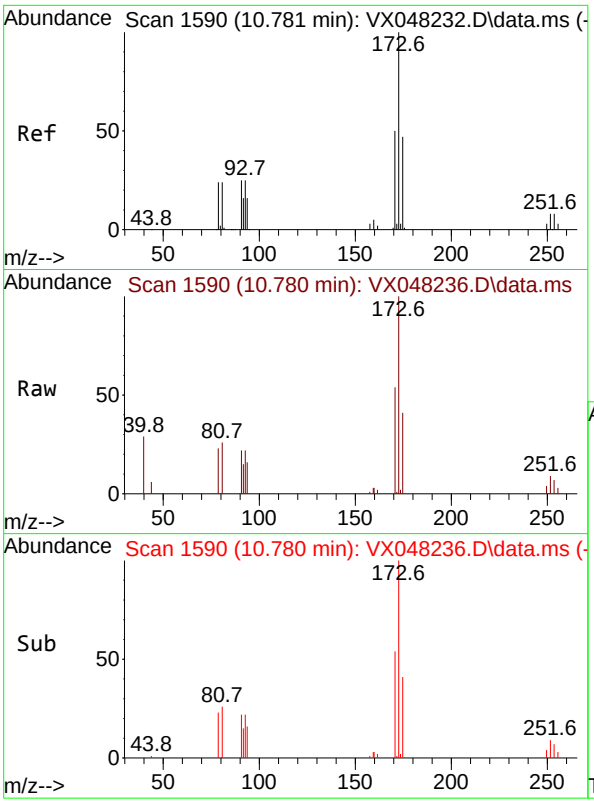


#70
Styrene
Concen: 5.138 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:104 Resp: 24289

Ion	Ratio	Lower	Upper
104	100		
78	51.1	42.2	63.4
103	53.2	43.0	64.4

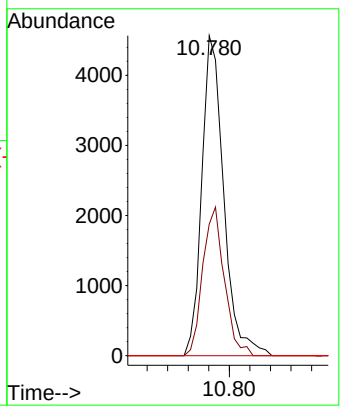




#71
Bromoform
Concen: 5.031 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:173 Resp: 676

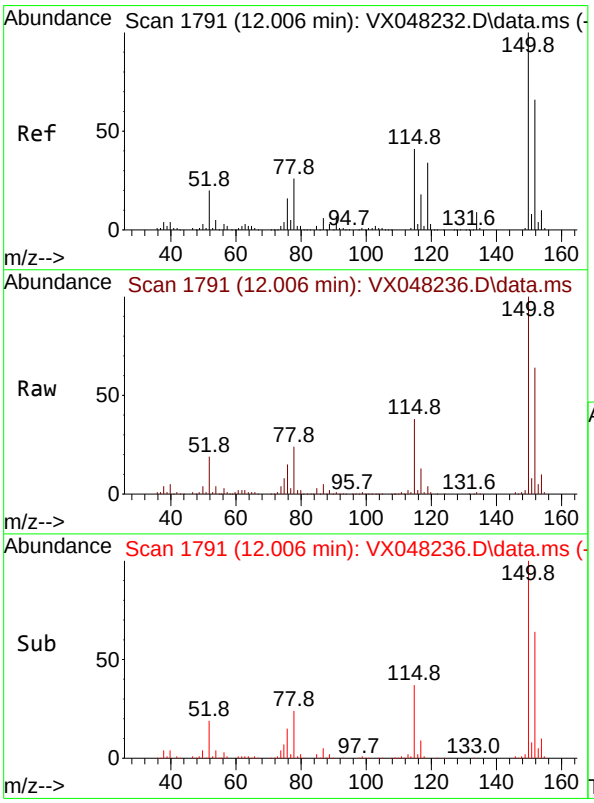
Ion	Ratio	Lower	Upper
173	100		
175	45.6	24.0	72.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

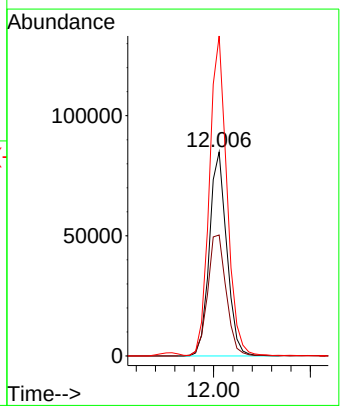
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

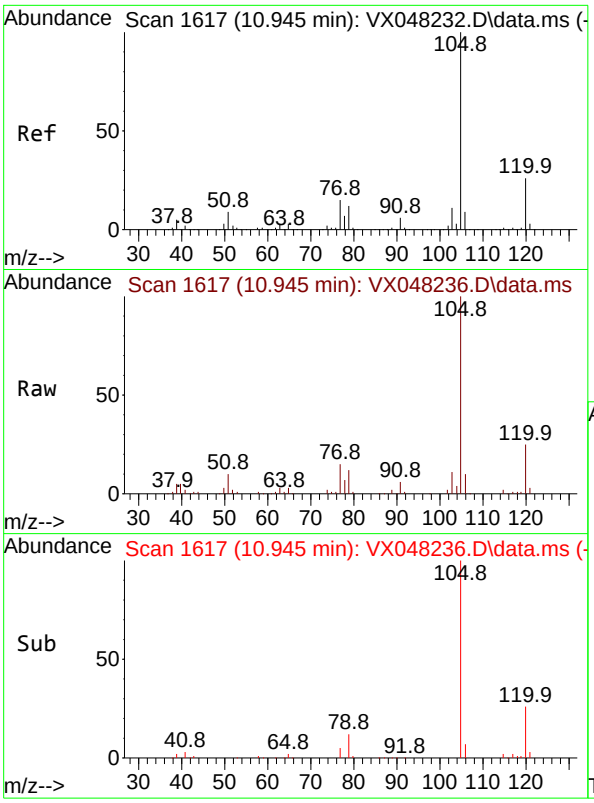


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:152 Resp: 105998

Ion	Ratio	Lower	Upper
152	100		
115	63.9	43.1	129.4
150	157.2	0.0	353.0





#73
Isopropylbenzene
Concen: 5.082 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

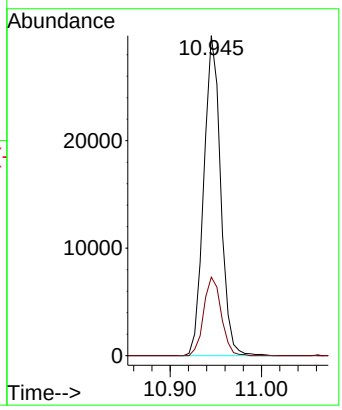
Tgt Ion:105 Resp: 3793

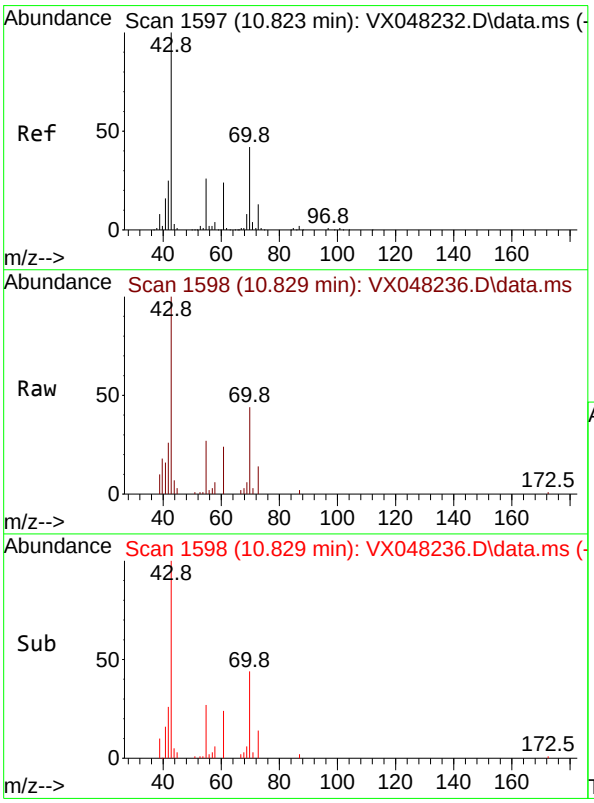
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.0	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

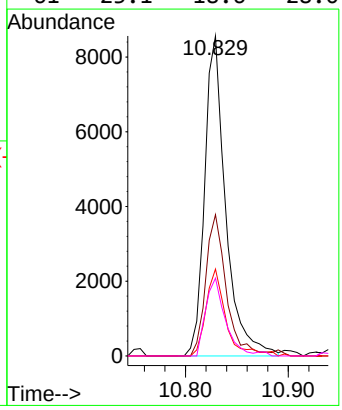


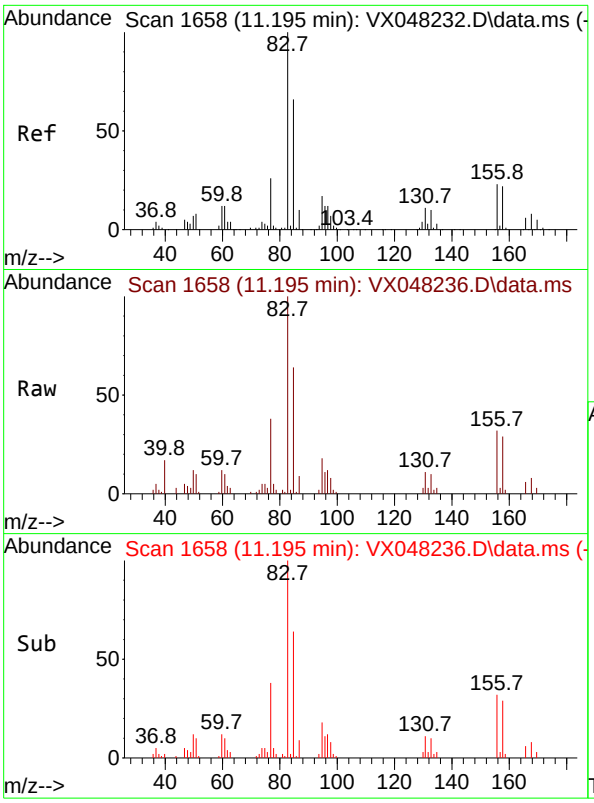


#74
N-amyl acetate
Concen: 4.544 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 43 Resp: 12188

Ion	Ratio	Lower	Upper
43	100		
70	43.3	32.2	48.2
55	25.7	19.1	28.7
61	23.1	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 4.992 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

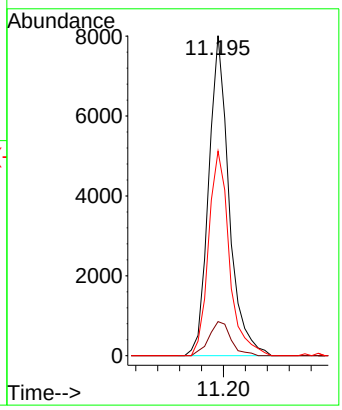
Tgt Ion: 83 Resp: 1032

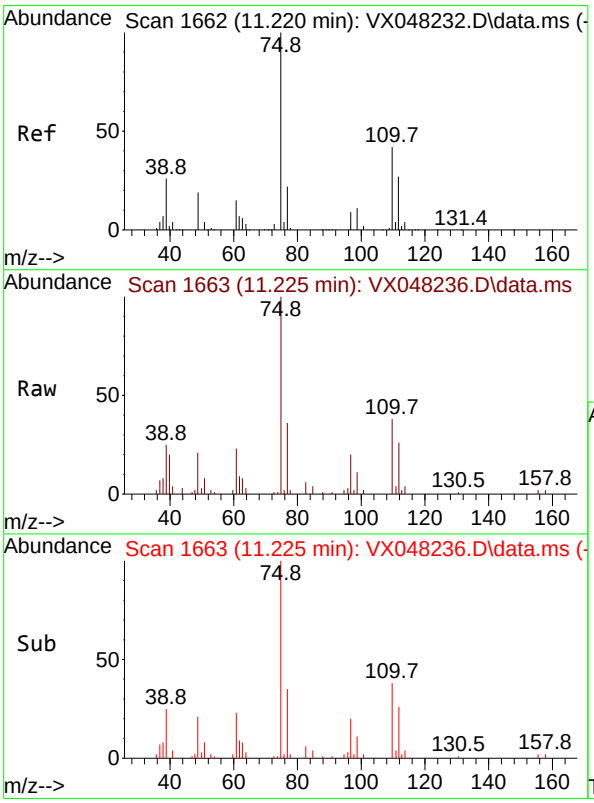
Ion	Ratio	Lower	Upper
83	100		
131	11.5	4.8	14.4
85	65.0	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

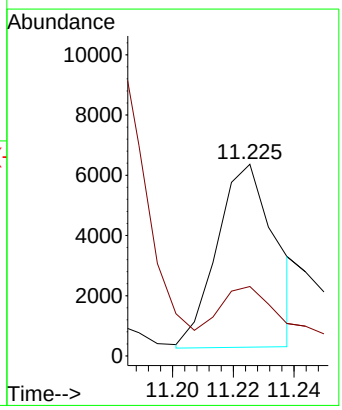


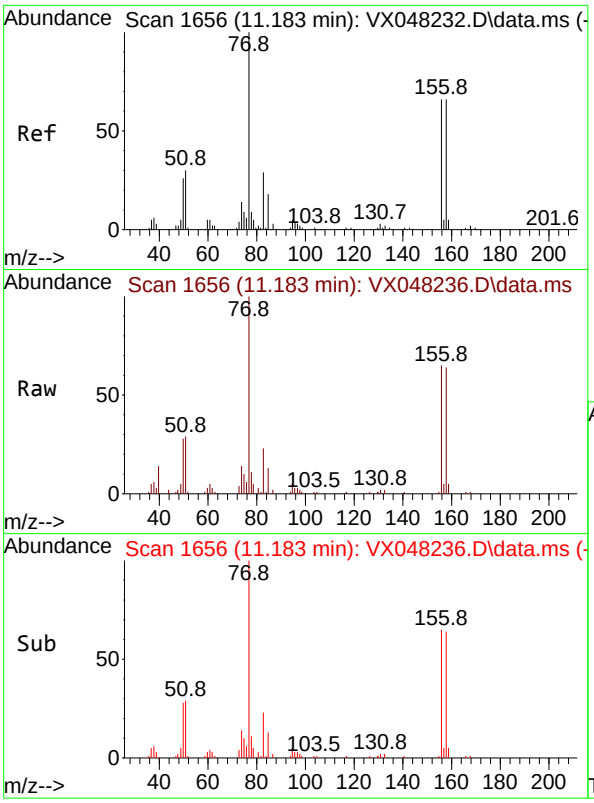


#76
1,2,3-Trichloropropane
Concen: 4.889 ug/l m
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 8134

Ion	Ratio	Lower	Upper
75	100		
77	49.3	22.4	67.2

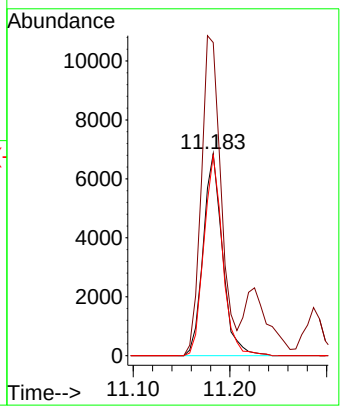




#77
Bromobenzene
Concen: 5.027 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:156 Resp: 950

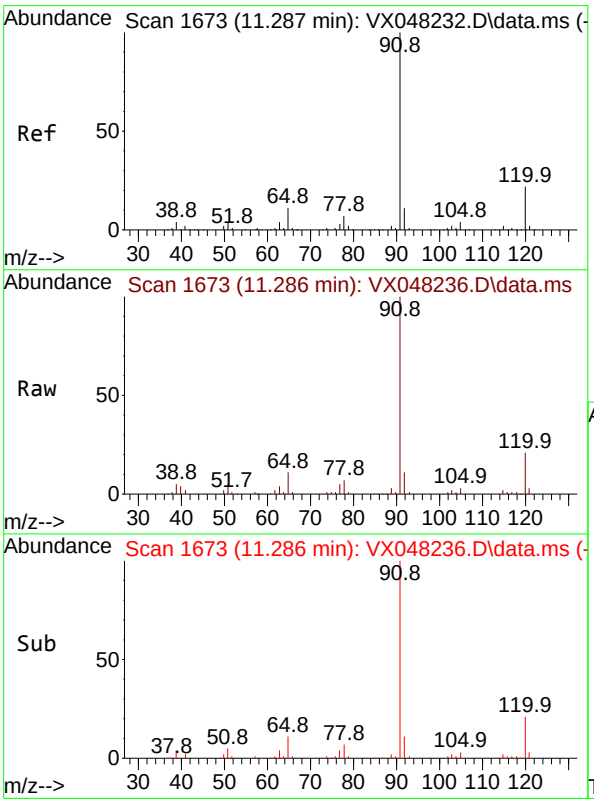
Ion	Ratio	Lower	Upper
156	100		
77	162.1	87.0	261.0
158	96.5	47.8	143.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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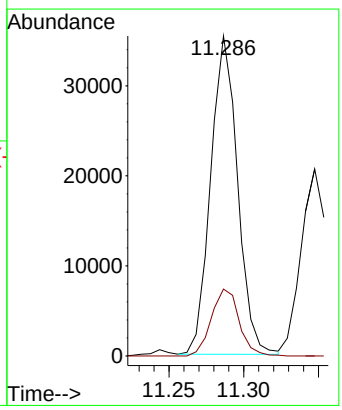
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

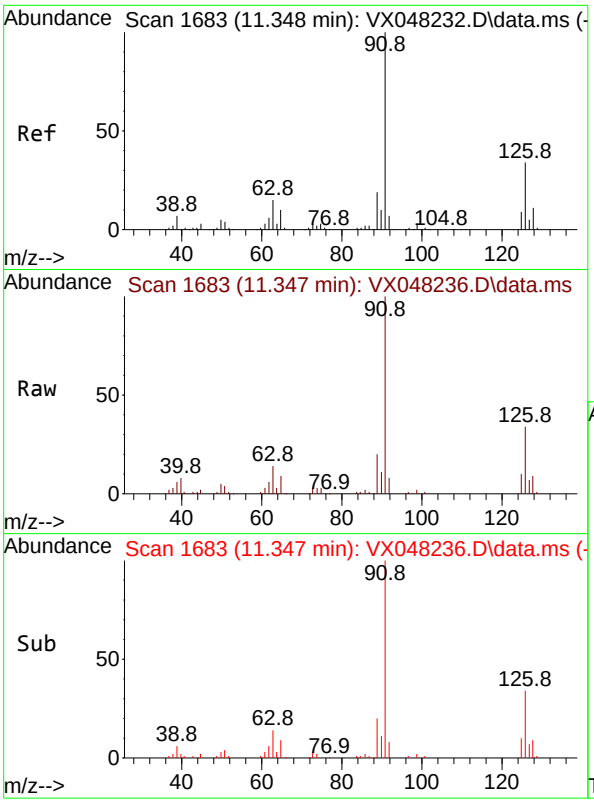


#78
n-propylbenzene
Concen: 5.097 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 91 Resp: 44189

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.1





#79
2-Chlorotoluene
Concen: 5.032 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

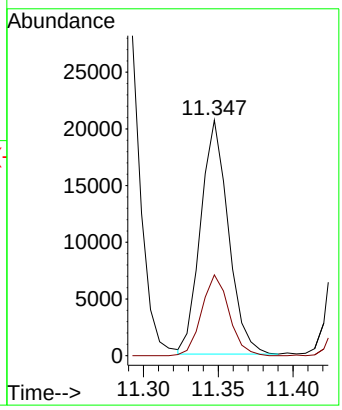
Tgt Ion: 91 Resp: 2662

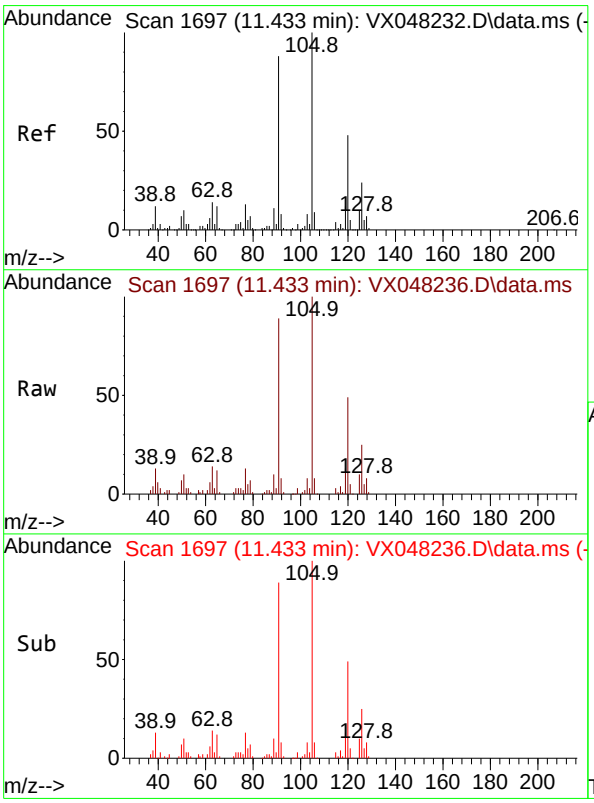
Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

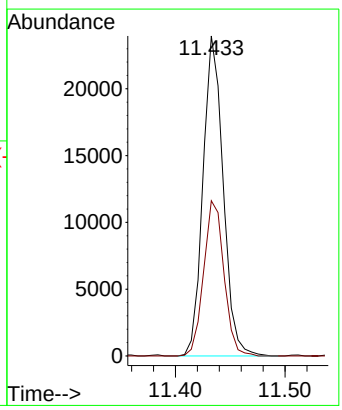


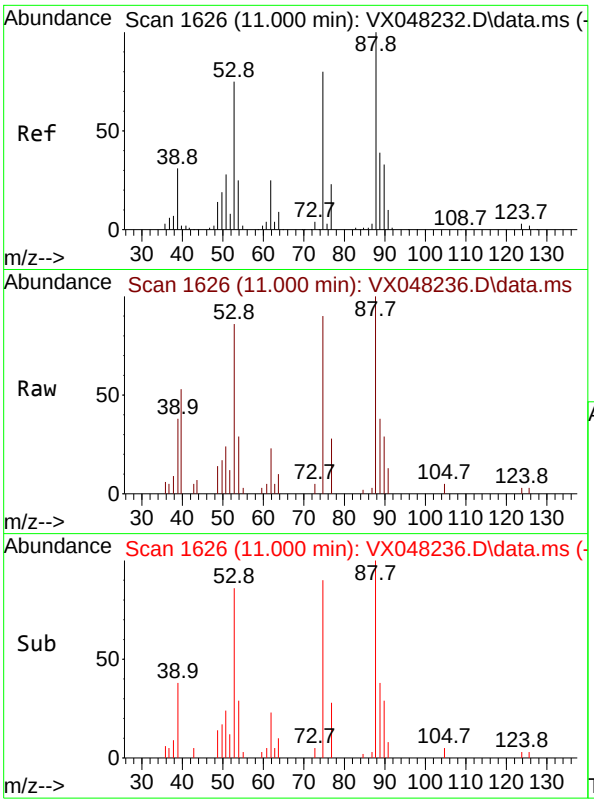


#80
1,3,5-Trimethylbenzene
Concen: 4.910 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:105 Resp: 30618

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 4.387 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

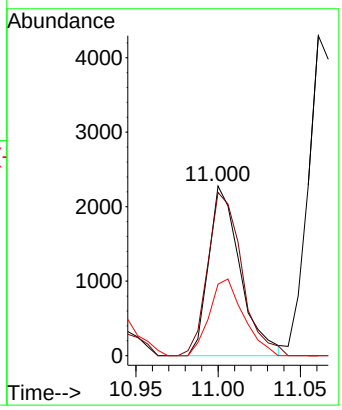
Tgt Ion: 75 Resp: 303

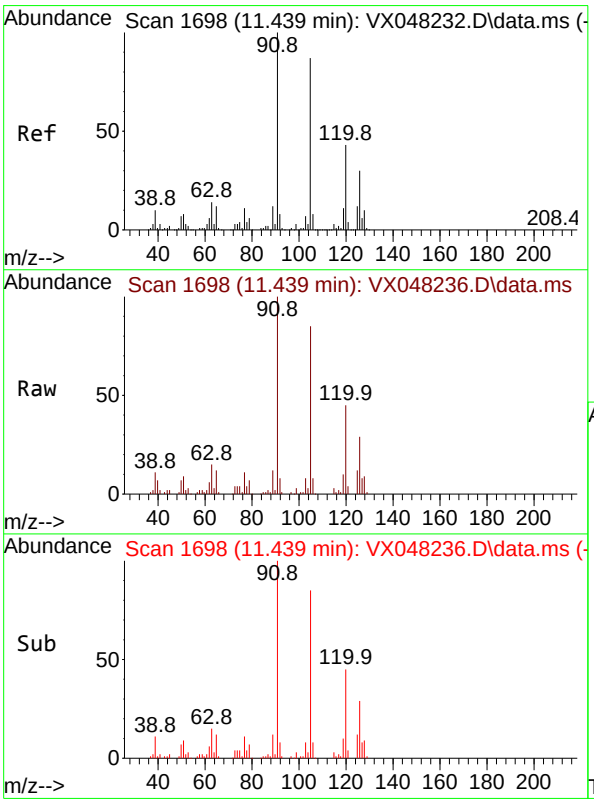
Ion	Ratio	Lower	Upper
75	100		
53	103.8	79.5	119.3
89	49.0	36.8	55.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

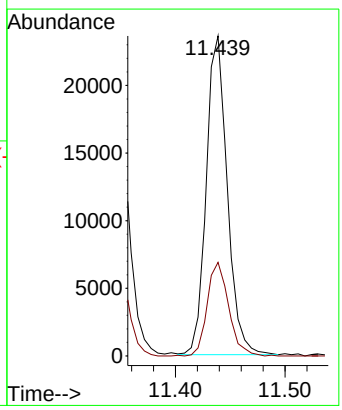


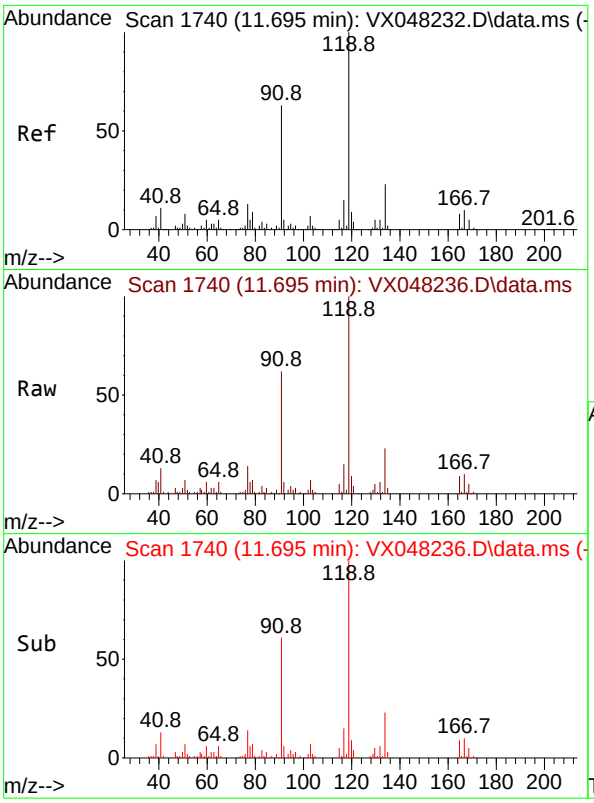


#82
4-Chlorotoluene
Concen: 5.017 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 91 Resp: 31357

Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.1	42.4

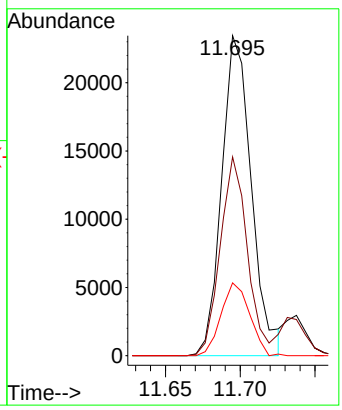




#83
tert-Butylbenzene
Concen: 5.086 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:119 Resp: 3229

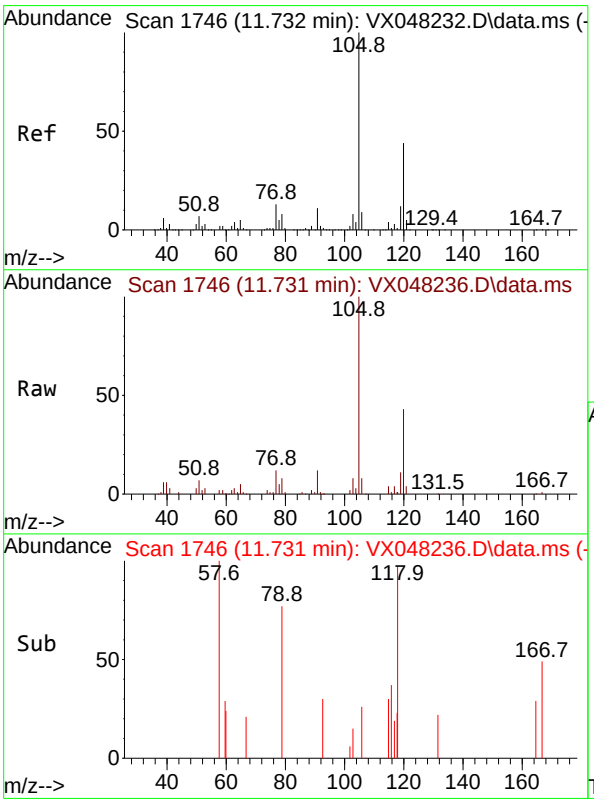
Ion	Ratio	Lower	Upper
119	100		
91	56.8	30.3	91.0
134	22.0	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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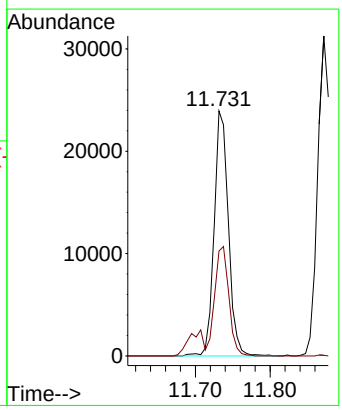
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

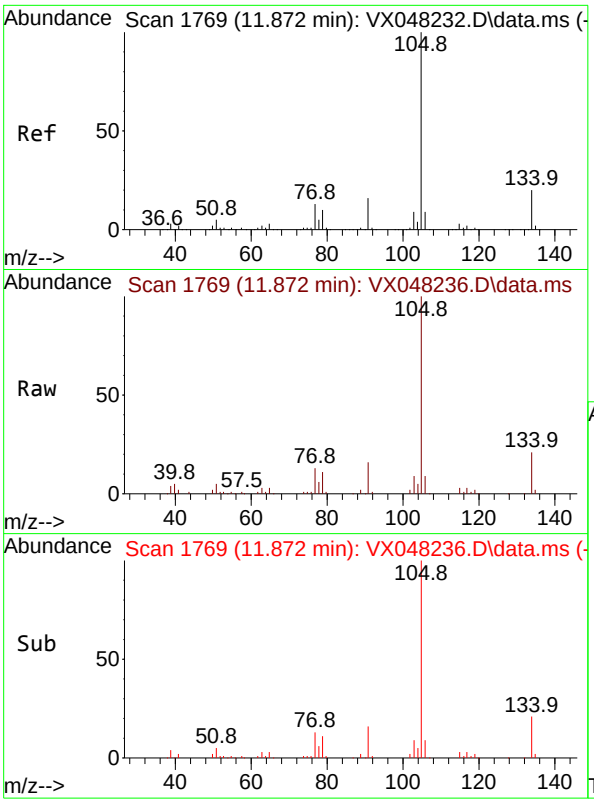


#84
1,2,4-Trimethylbenzene
Concen: 5.129 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:105 Resp: 31709

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85
sec-Butylbenzene
Concen: 5.118 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

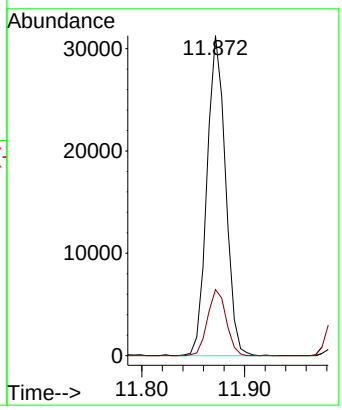
Tgt Ion:105 Resp: 3911

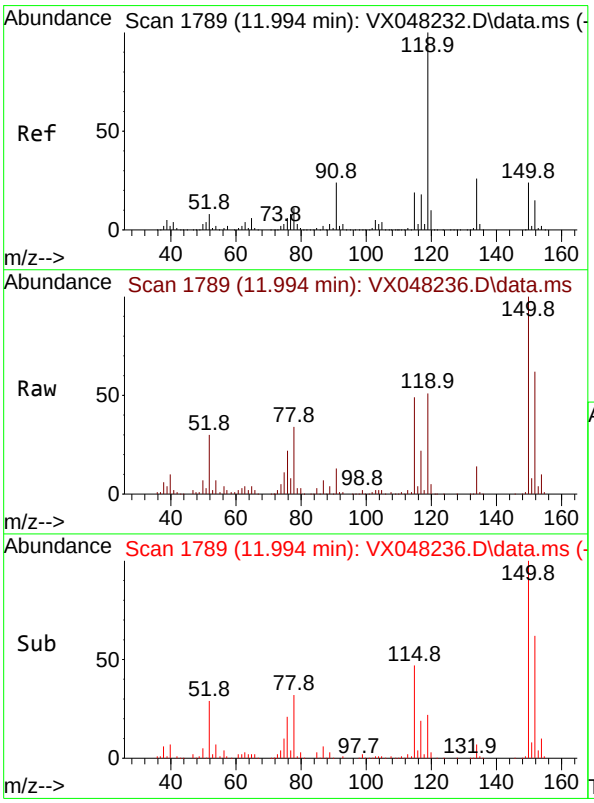
Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

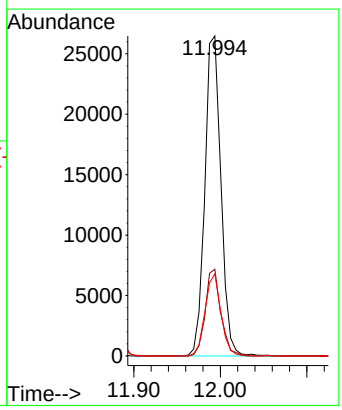


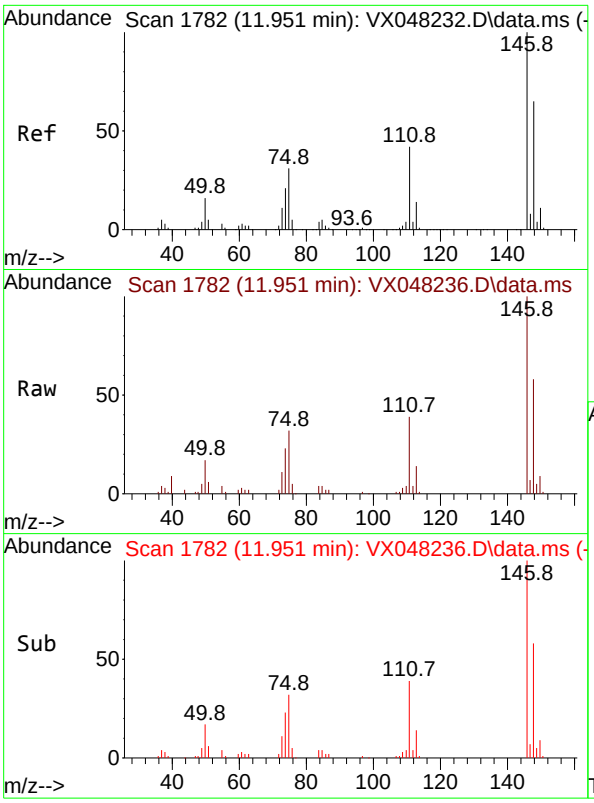


#86
p-Isopropyltoluene
Concen: 5.185 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:119 Resp: 34155

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	25.3	12.1	36.3

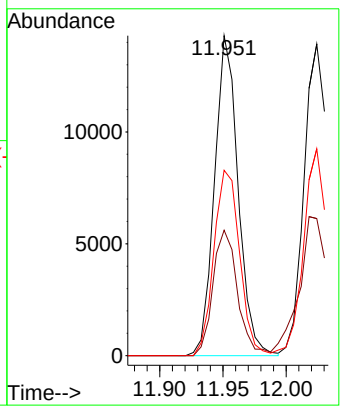




#87
1,3-Dichlorobenzene
Concen: 5.256 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:146 Resp: 1854

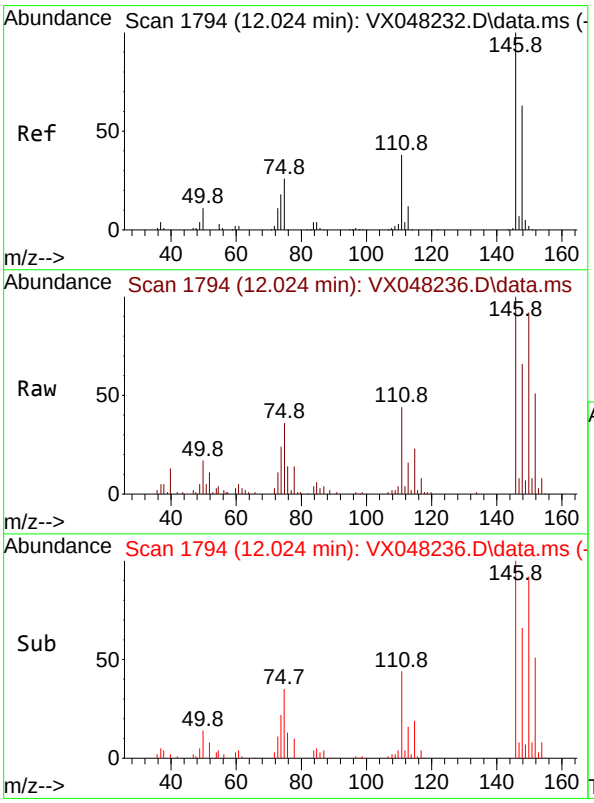
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.2
148	63.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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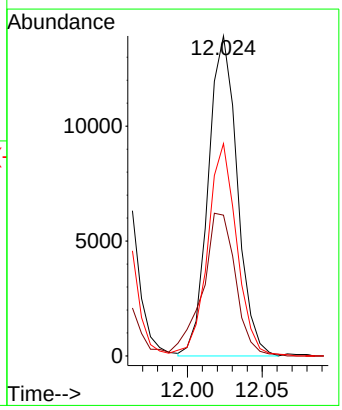
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

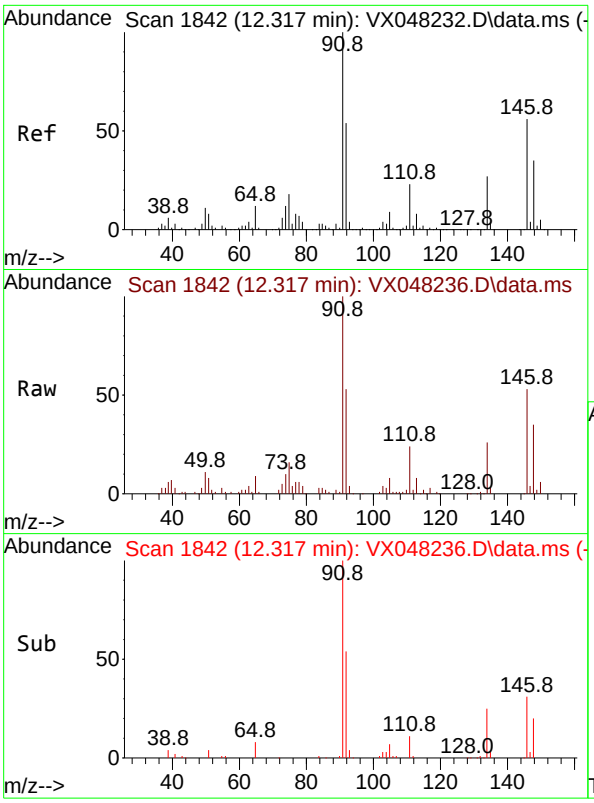


#88
1,4-Dichlorobenzene
Concen: 5.081 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:146 Resp: 18787

Ion	Ratio	Lower	Upper
146	100		
111	50.9	20.1	60.2
148	66.5	31.8	95.3

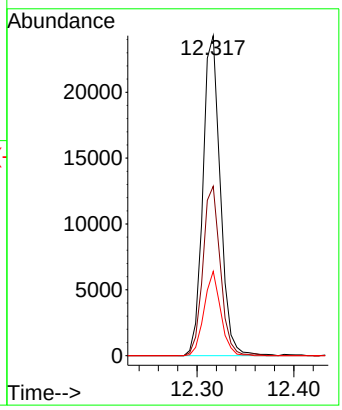




#89
n-Butylbenzene
Concen: 5.069 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 91 Resp: 3040

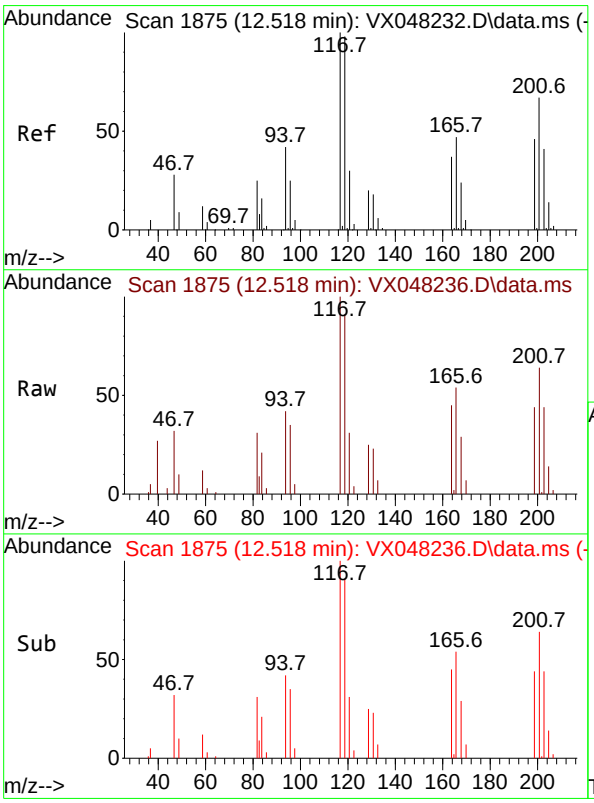
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.6
134	25.2	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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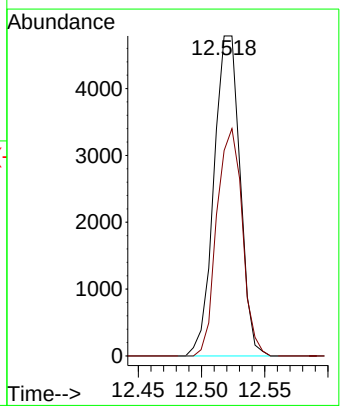
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

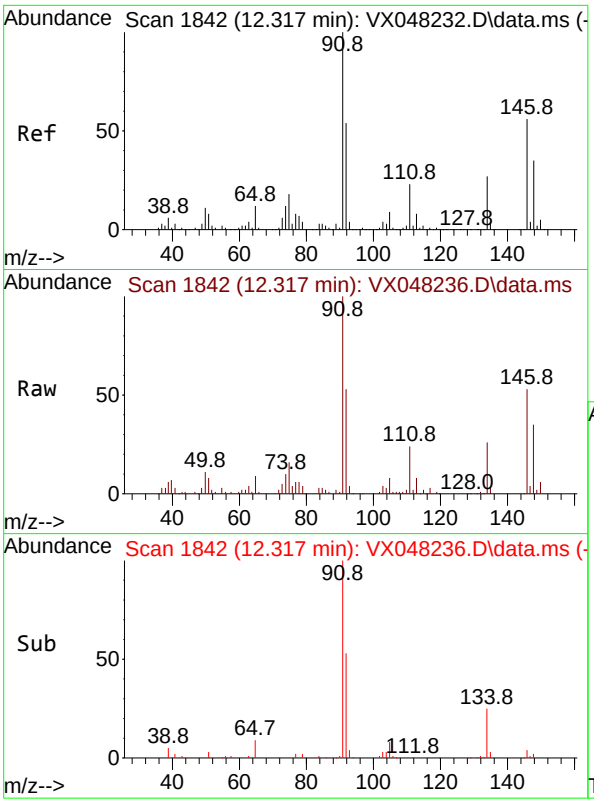


#90
Hexachloroethane
Concen: 5.210 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:117 Resp: 6863

Ion	Ratio	Lower	Upper
117	100		
201	69.4	34.1	102.2

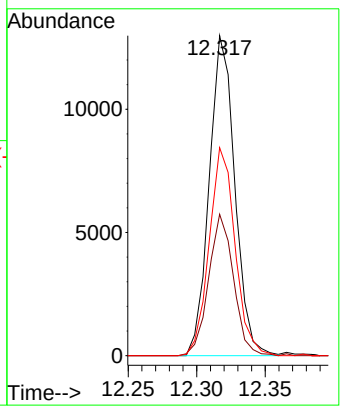




#91
1,2-Dichlorobenzene
Concen: 5.076 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:146 Resp: 1684

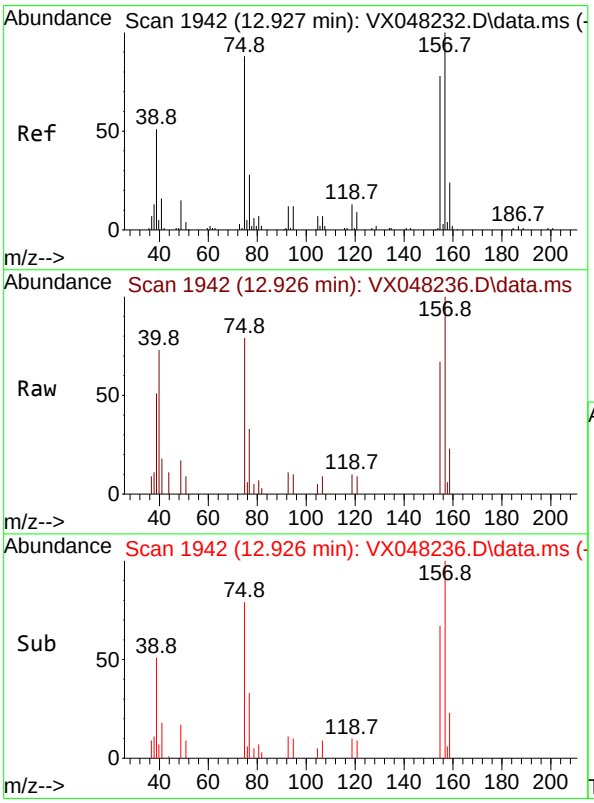
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.9	65.5
148	65.9	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

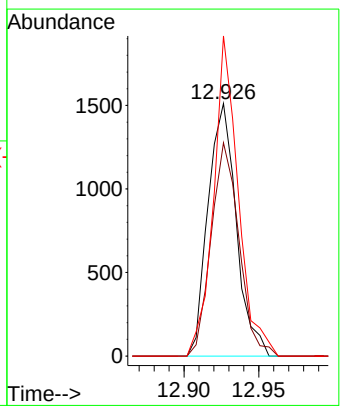
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

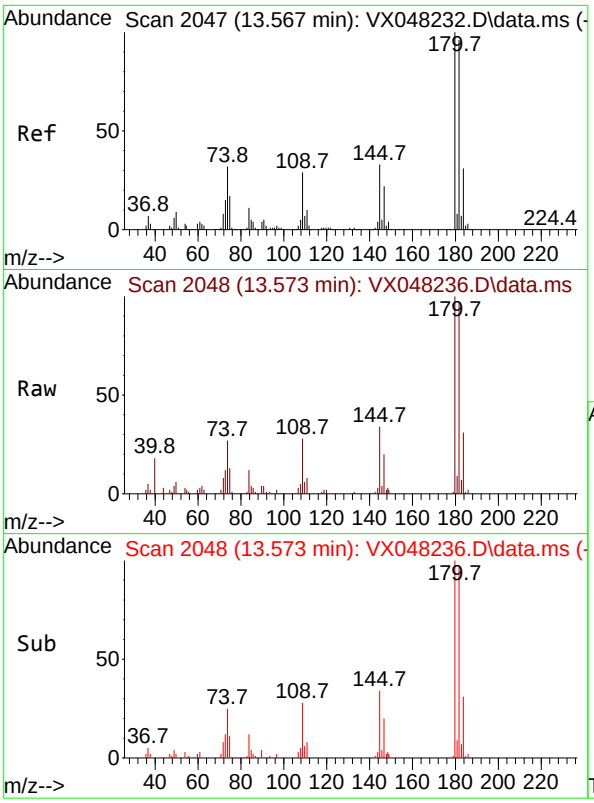


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.680 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 75 Resp: 1984

Ion	Ratio	Lower	Upper
75	100		
155	83.2	42.8	128.4
157	110.7	54.2	162.6

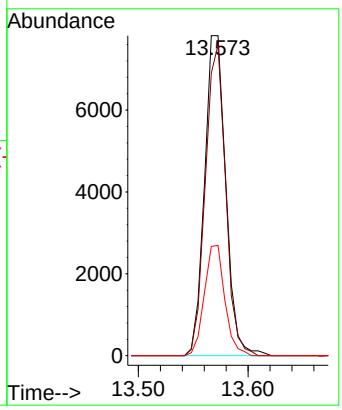




#93
1,2,4-Trichlorobenzene
Concen: 4.693 ug/l
RT: 13.573 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:180 Resp: 1053

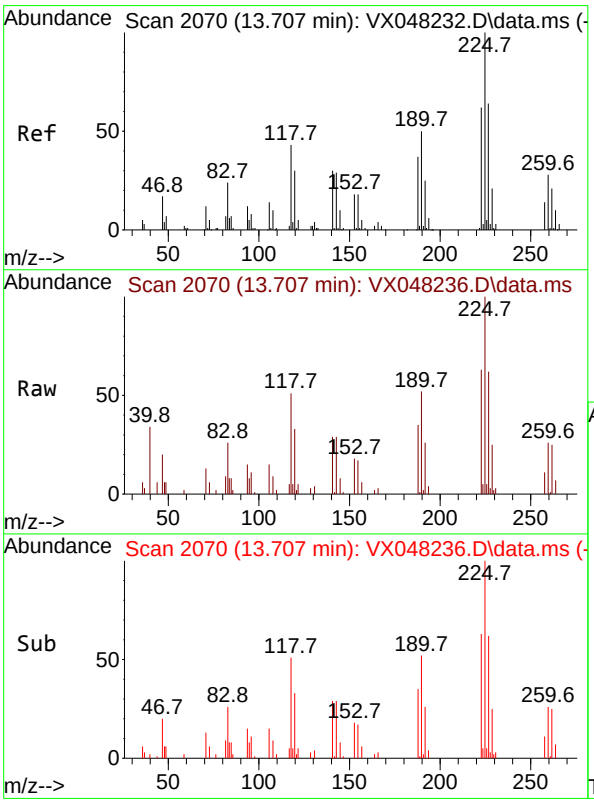
Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.3	142.0
145	33.2	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

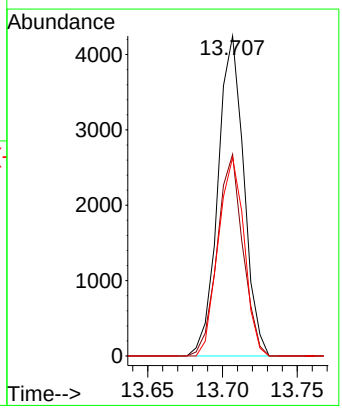
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

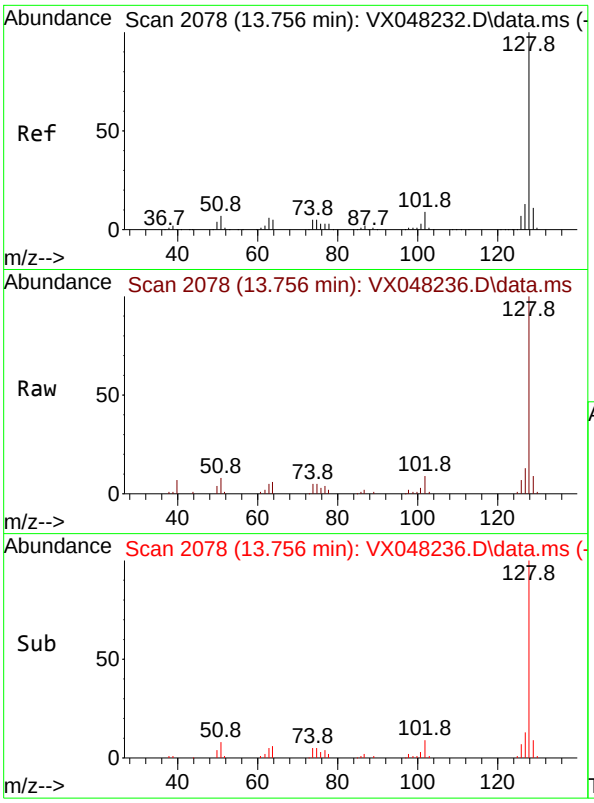


#94
Hexachlorobutadiene
Concen: 4.948 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:225 Resp: 5113

Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.6	97.7
227	62.0	32.5	97.4

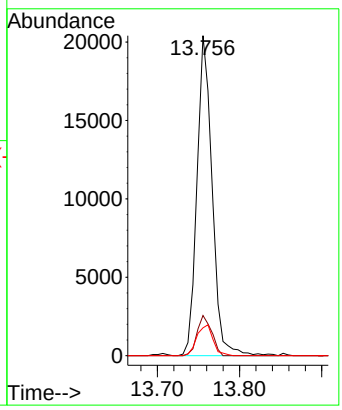




#95
Naphthalene
Concen: 4.374 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:128 Resp: 2621

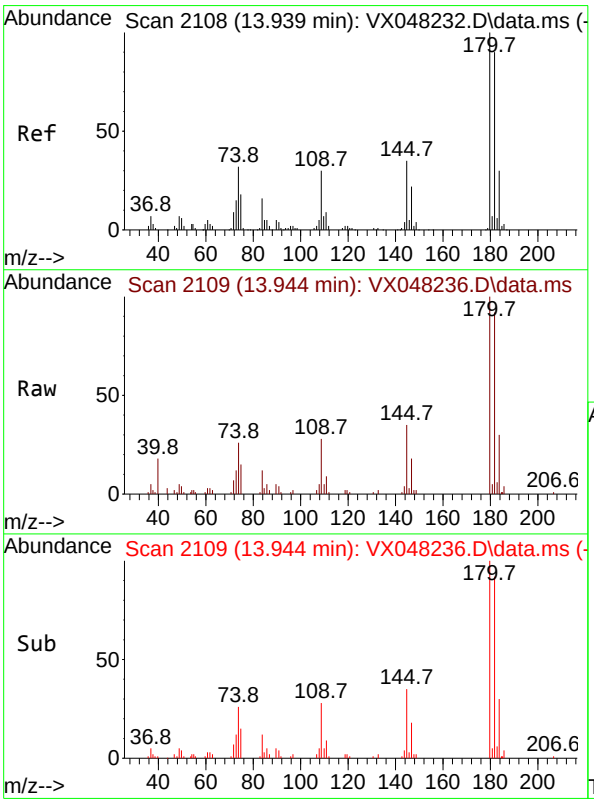
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.4
129	10.2	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

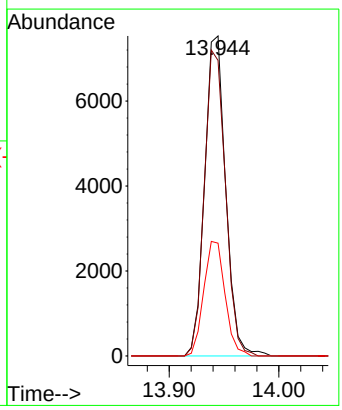
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.906 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048236.D
Acq: 20 Oct 2025 13:49

Tgt Ion:180 Resp: 10040

Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.6	139.7
145	36.3	16.9	50.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	144715	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	229650	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	201397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	99108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	92700	45.687	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 91.380%			
35) Dibromofluoromethane	5.367	113	76746	48.951	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.900%			
50) Toluene-d8	8.628	98	265898	48.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.780%			
62) 4-Bromofluorobenzene	11.061	95	97828	46.795	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	76365	51.331	ug/l	99
3) Chloromethane	1.301	50	74279	53.491	ug/l	99
4) Vinyl Chloride	1.380	62	71290	55.441	ug/l	99
5) Bromomethane	1.611	94	47863	54.847	ug/l	96
6) Chloroethane	1.691	64	42556	56.320	ug/l	95
7) Trichlorofluoromethane	1.892	101	128754	52.209	ug/l	97
8) Diethyl Ether	2.136	74	37292	53.742	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	83688	53.589	ug/l	96
10) Methyl Iodide	2.453	142	94222	47.994	ug/l	99
11) Tert butyl alcohol	2.934	59	45064	223.693	ug/l	98
12) 1,1-Dichloroethene	2.319	96	79070	52.043	ug/l	92
13) Acrolein	2.233	56	51257	249.473	ug/l	98
14) Allyl chloride	2.660	41	128896	51.099	ug/l	97
15) Acrylonitrile	3.050	53	182260	250.900	ug/l	100
16) Acetone	2.373	43	152988	219.789	ug/l	96
17) Carbon Disulfide	2.514	76	233630	48.792	ug/l	99
18) Methyl Acetate	2.697	43	71506	49.190	ug/l	94
19) Methyl tert-butyl Ether	3.105	73	254812	49.162	ug/l	98
20) Methylene Chloride	2.782	84	86610	51.066	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	85000	50.932	ug/l	96
22) Diisopropyl ether	3.745	45	259934	51.665	ug/l	99
23) Vinyl Acetate	3.709	43	1045584	260.168	ug/l	97
24) 1,1-Dichloroethane	3.599	63	150557	49.490	ug/l	99
25) 2-Butanone	4.532	43	209999	238.354	ug/l	97
26) 2,2-Dichloropropane	4.458	77	132433	48.230	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	98066	50.350	ug/l	96
28) Bromochloromethane	4.879	49	58764	46.587	ug/l	87
29) Tetrahydrofuran	4.977	42	127995	242.572	ug/l	95
30) Chloroform	5.074	83	157397	48.427	ug/l	99
31) Cyclohexane	5.458	56	132594	52.646	ug/l	92
32) 1,1,1-Trichloroethane	5.361	97	144706	48.309	ug/l	98
36) 1,1-Dichloropropene	5.672	75	109957	49.344	ug/l	100
37) Ethyl Acetate	4.690	43	88074	47.684	ug/l	98
38) Carbon Tetrachloride	5.659	117	132590	48.228	ug/l	99
39) Methylcyclohexane	7.360	83	138611	52.670	ug/l	94
40) Benzene	6.019	78	325041	50.241	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.891	41	48846	50.358	ug/l		95
42) 1,2-Dichloroethane	6.068	62	116893	48.963	ug/l		98
43) Isopropyl Acetate	6.318	43	151140	49.816	ug/l		95
44) Trichloroethene	7.104	130	86410	50.582	ug/l		96
45) 1,2-Dichloropropane	7.409	63	78439	50.994	ug/l		98
46) Dibromomethane	7.562	93	58616	48.913	ug/l		94
47) Bromodichloromethane	7.799	83	125388	48.459	ug/l		99
48) Methyl methacrylate	7.671	41	75812	49.519	ug/l		94
49) 1,4-Dioxane	7.635	88	20230	1000.197	ug/l		90
51) 4-Methyl-2-Pentanone	8.555	43	428393	244.897	ug/l		95
52) Toluene	8.702	92	205867	50.088	ug/l		99
53) t-1,3-Dichloropropene	8.958	75	124683	50.004	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	134360	49.944	ug/l		93
55) 1,1,2-Trichloroethane	9.134	97	75808	49.597	ug/l		98
56) Ethyl methacrylate	9.098	69	111702	49.964	ug/l		94
57) 1,3-Dichloropropane	9.287	76	128519	49.226	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.220	63	290992	242.124	ug/l		96
59) 2-Hexanone	9.409	43	300183	246.102	ug/l		96
60) Dibromochloromethane	9.500	129	97643	47.530	ug/l		99
61) 1,2-Dibromoethane	9.592	107	80363	49.319	ug/l		97
64) Tetrachloroethene	9.256	164	73198	48.686	ug/l		95
65) Chlorobenzene	10.061	112	226953	50.095	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.140	131	81561	49.014	ug/l		99
67) Ethyl Benzene	10.177	91	391830	50.798	ug/l		99
68) m/p-Xylenes	10.281	106	293516	102.416	ug/l		99
69) o-Xylene	10.622	106	139515	50.424	ug/l		99
70) Styrene	10.634	104	243341	51.651	ug/l		100
71) Bromoform	10.781	173	64170	48.250	ug/l	#	99
73) Isopropylbenzene	10.945	105	373948	51.658	ug/l		100
74) N-amyl acetate	10.823	43	131979	51.399	ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.195	83	98715	49.936	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	81093m	50.456	ug/l		
77) Bromobenzene	11.177	156	91000	50.135	ug/l		94
78) n-propylbenzene	11.287	91	435662	51.980	ug/l		99
79) 2-Chlorotoluene	11.341	91	257936	50.760	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	305027	50.918	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	33027	49.995	ug/l		96
82) 4-Chlorotoluene	11.433	91	304670	50.507	ug/l		98
83) tert-Butylbenzene	11.695	119	309524	50.288	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	308529	51.607	ug/l		100
85) sec-Butylbenzene	11.872	105	379368	51.230	ug/l		100
86) p-Isopropyltoluene	11.988	119	324425	50.686	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	165027	48.229	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	168102	47.423	ug/l		99
89) n-Butylbenzene	12.311	91	289706	49.728	ug/l		99
90) Hexachloroethane	12.518	117	61223	48.437	ug/l		95
91) 1,2-Dichlorobenzene	12.317	146	157812	49.123	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	19691	49.072	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	101983	46.941	ug/l		99
94) Hexachlorobutadiene	13.707	225	39299	48.274	ug/l		99
95) Naphthalene	13.756	128	289882	50.362	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	96139	48.223	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

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

ICAL Form

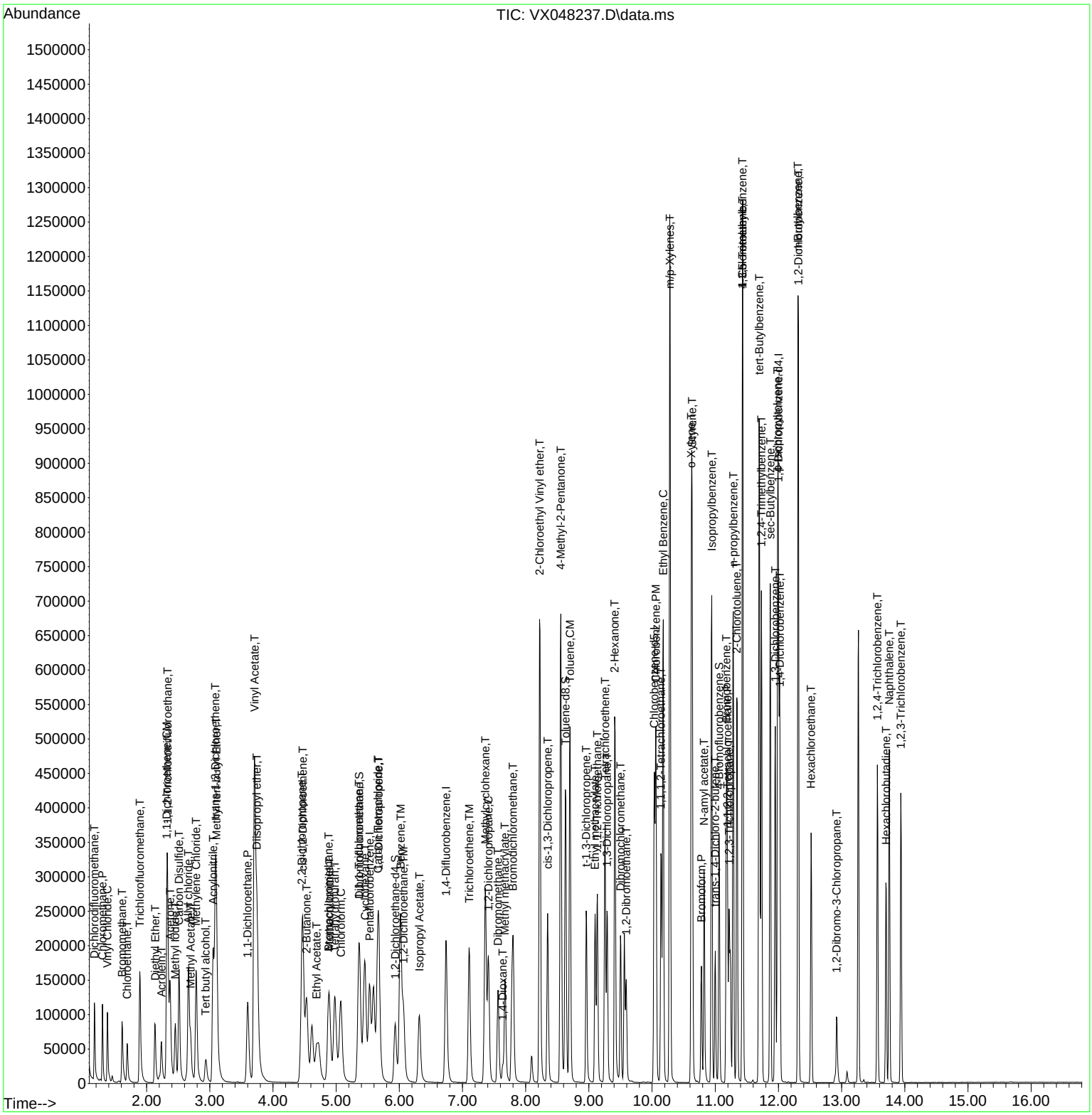
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

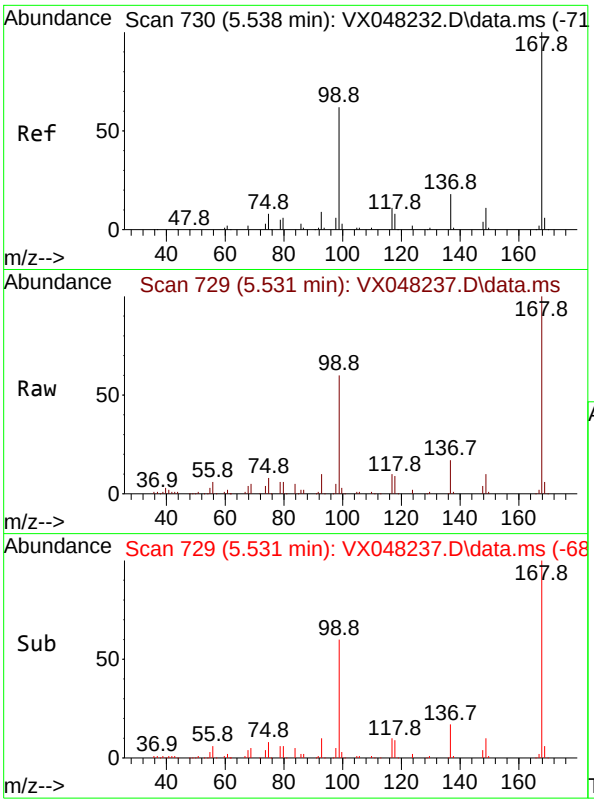
Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

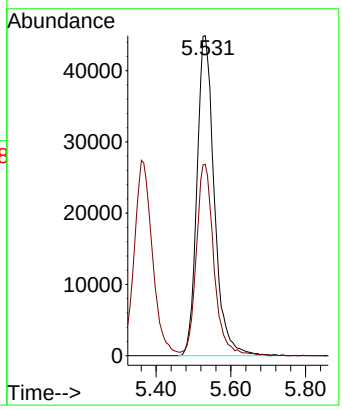




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:168 Resp: 14471

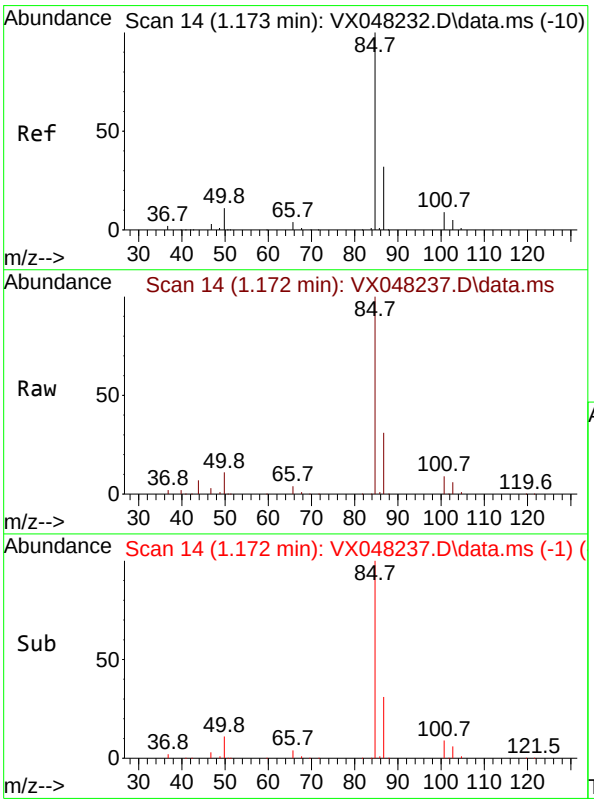
Ion	Ratio	Lower	Upper
168	100		
99	59.7	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

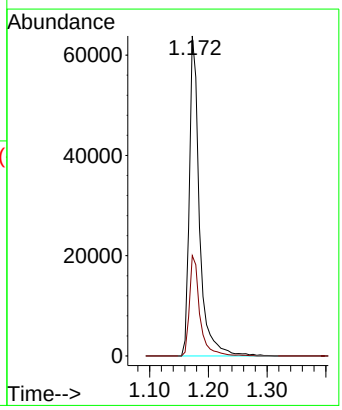
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

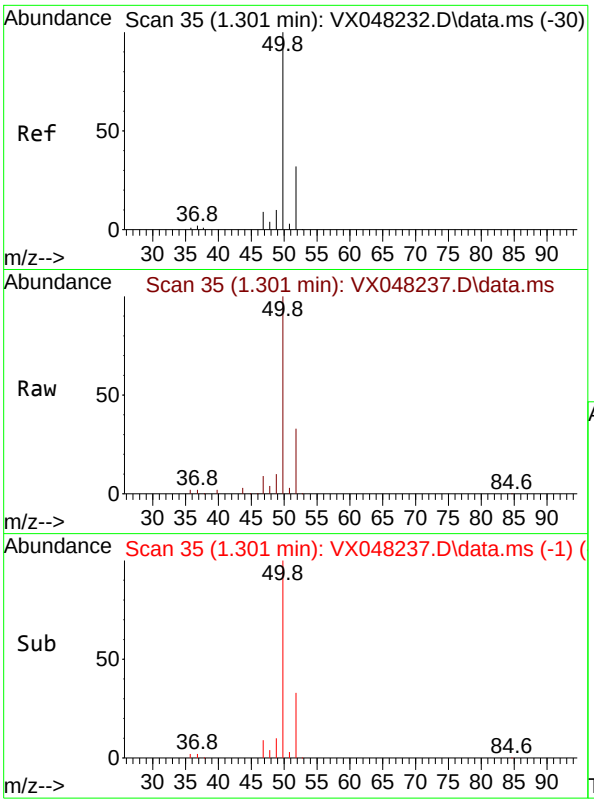


#2
Dichlorodifluoromethane
Concen: 51.331 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 85 Resp: 76365

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.3	45.9

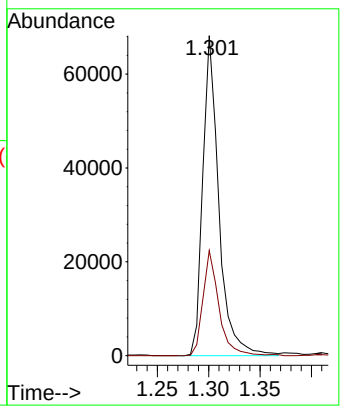




#3
Chloromethane
Concen: 53.491 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 50 Resp: 7427

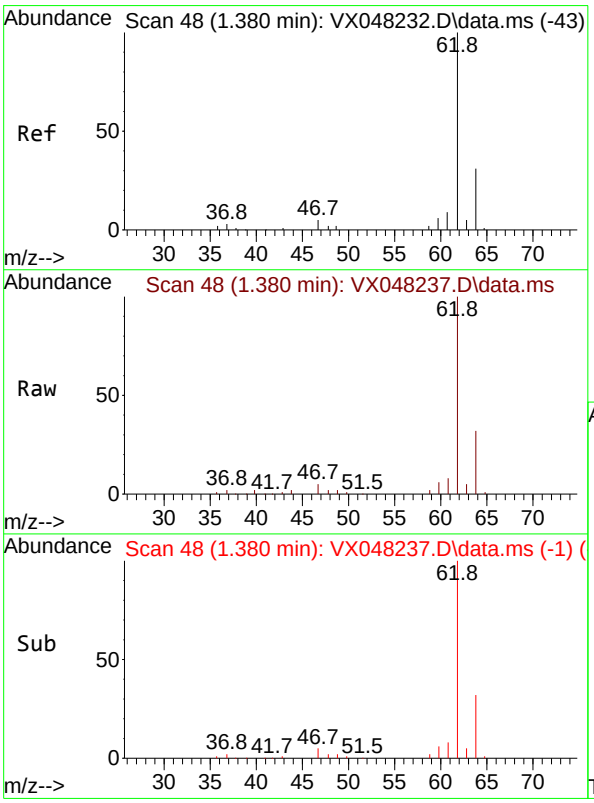
Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

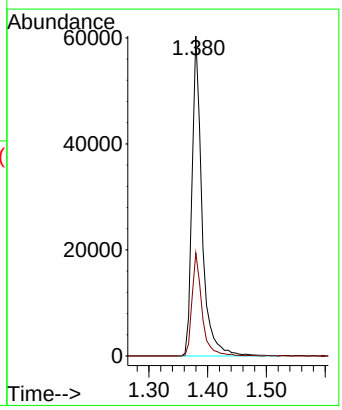
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

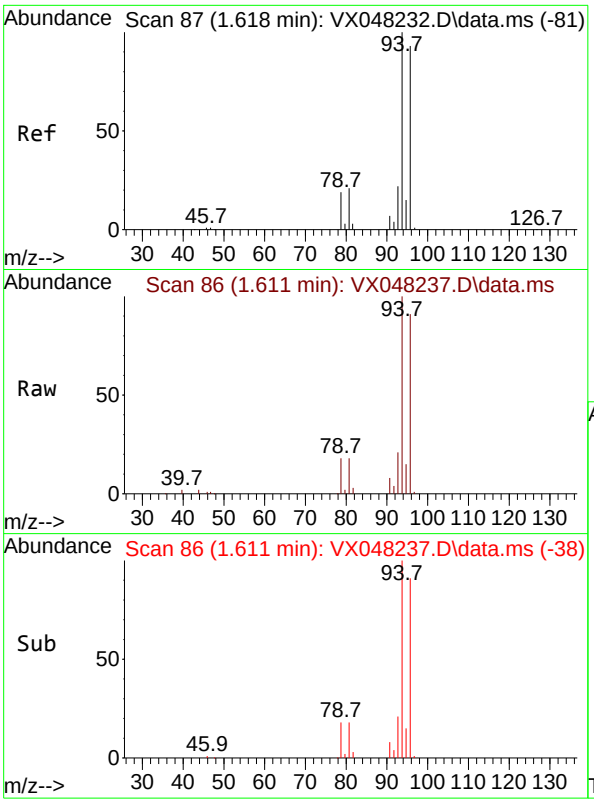


#4
Vinyl Chloride
Concen: 55.441 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 62 Resp: 71290

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.1	37.7

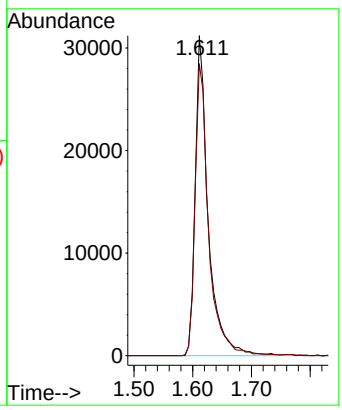




#5
Bromomethane
Concen: 54.847 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 94 Resp: 4786

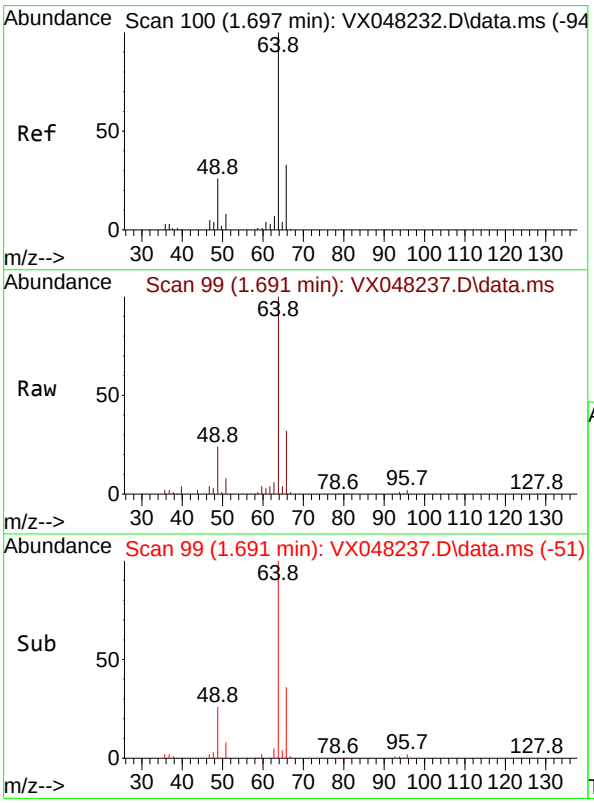
Ion	Ratio	Lower	Upper
94	100		
96	91.2	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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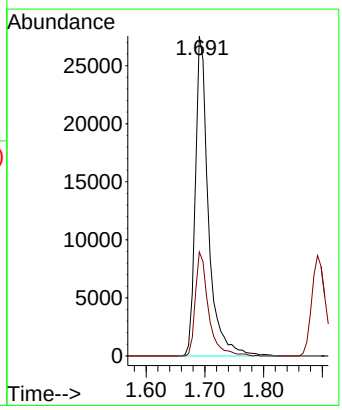
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

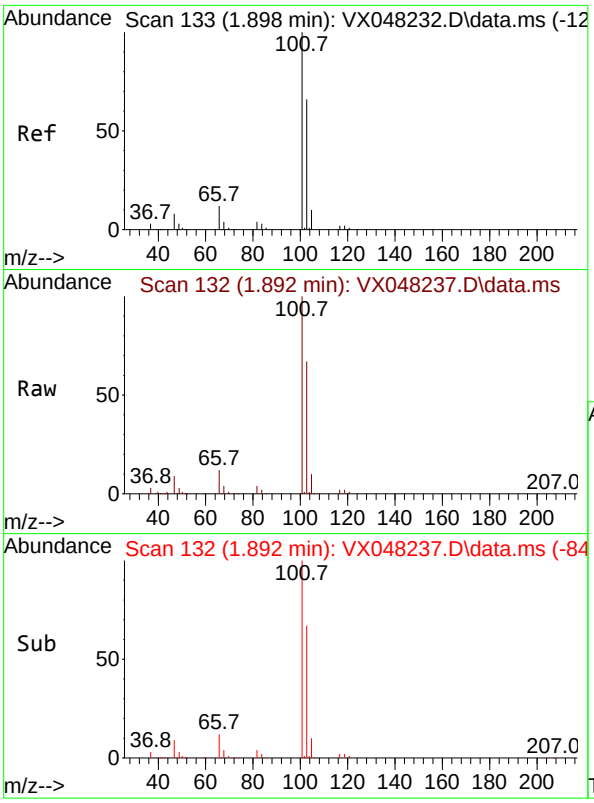


#6
Chloroethane
Concen: 56.320 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 64 Resp: 42556

Ion	Ratio	Lower	Upper
64	100		
66	32.5	23.9	35.9





#7
Trichlorofluoromethane
Concen: 52.209 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

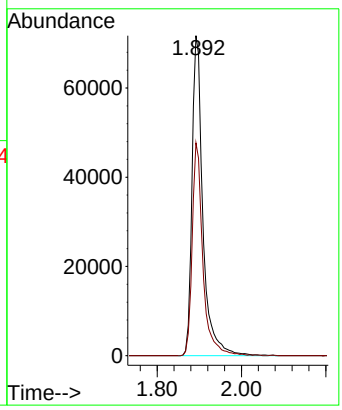
Tgt Ion:101 Resp: 12875

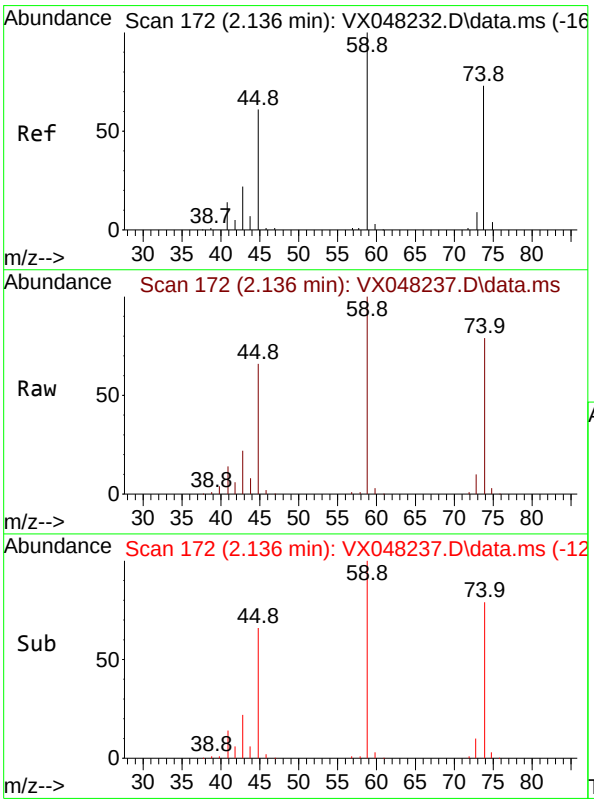
Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.6	77.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

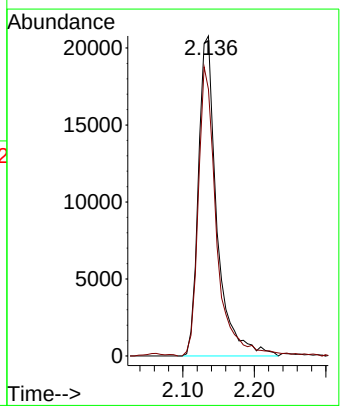


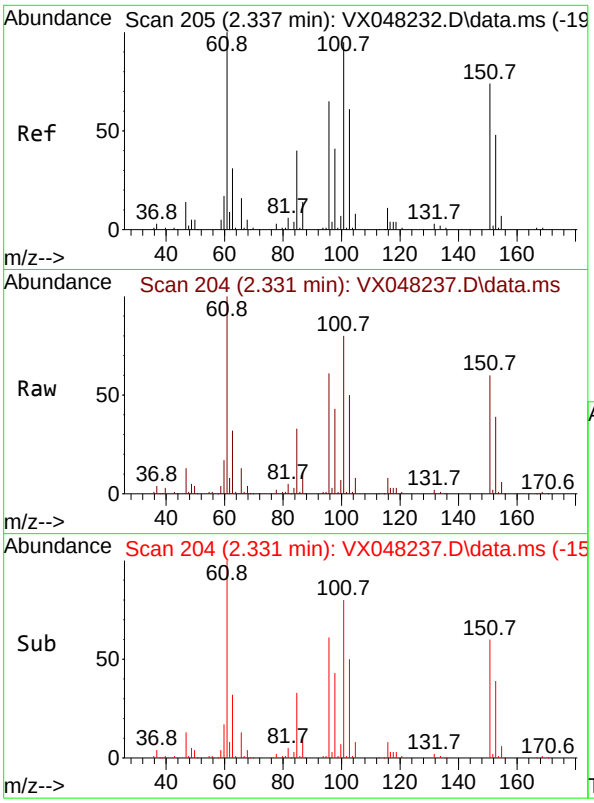


#8
Diethyl Ether
Concen: 53.742 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 74 Resp: 37292

Ion	Ratio	Lower	Upper
74	100		
45	89.3	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.589 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

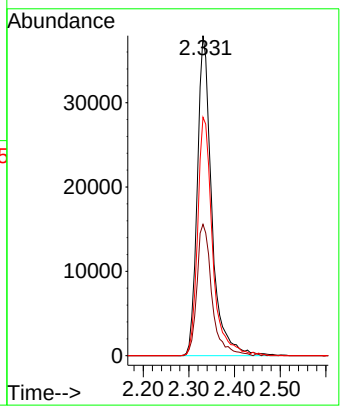
Tgt Ion:101 Resp: 8368

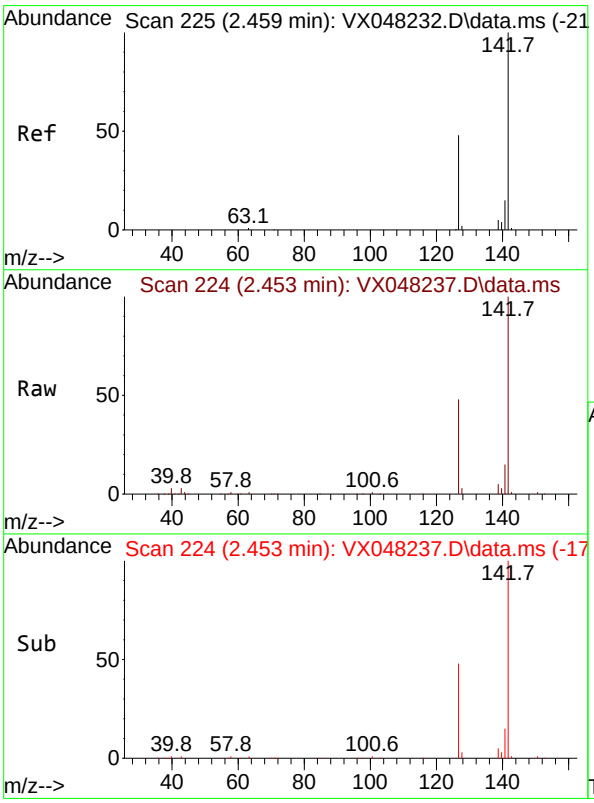
Ion	Ratio	Lower	Upper
101	100		
85	42.4	35.6	53.4
151	76.9	58.0	87.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

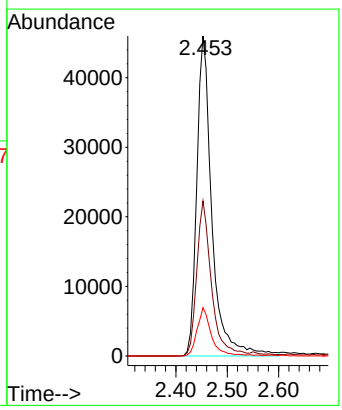


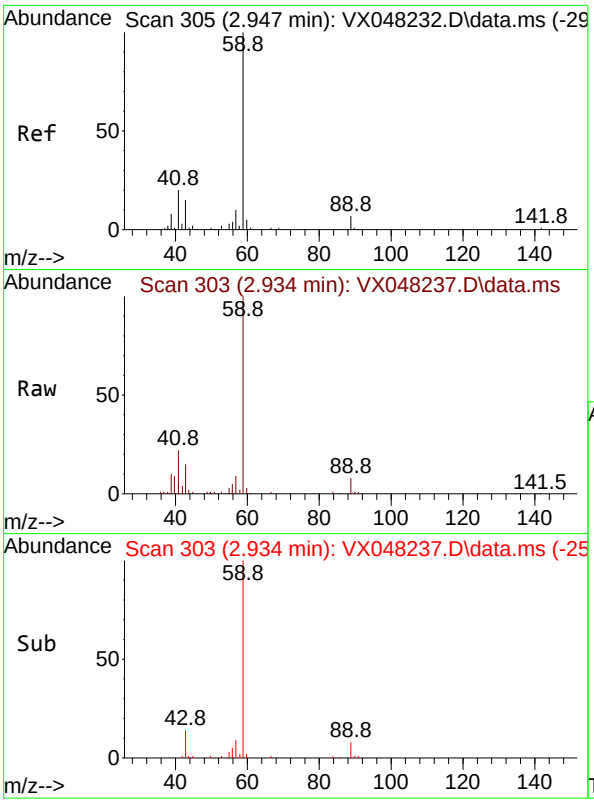


#10
Methyl Iodide
Concen: 47.994 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:142 Resp: 94222

Ion	Ratio	Lower	Upper
142	100		
127	46.9	38.5	57.7
141	14.3	11.6	17.4

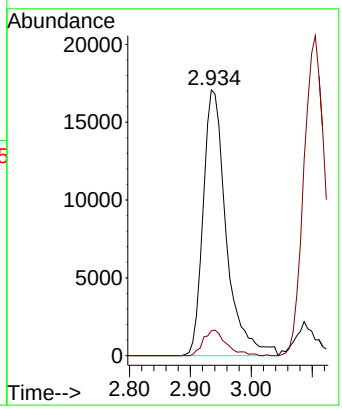




#11
Tert butyl alcohol
Concen: 223.693 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 59 Resp: 4506

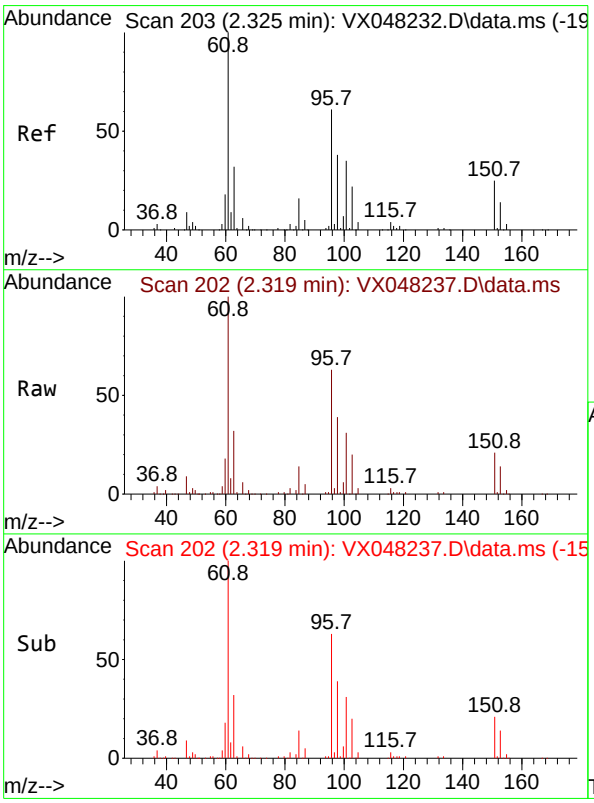
Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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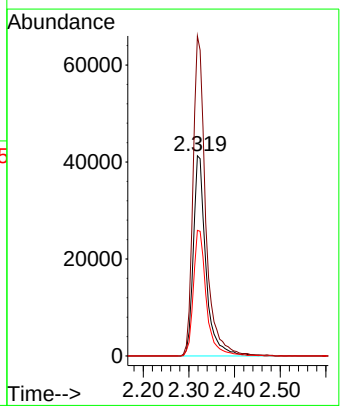
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

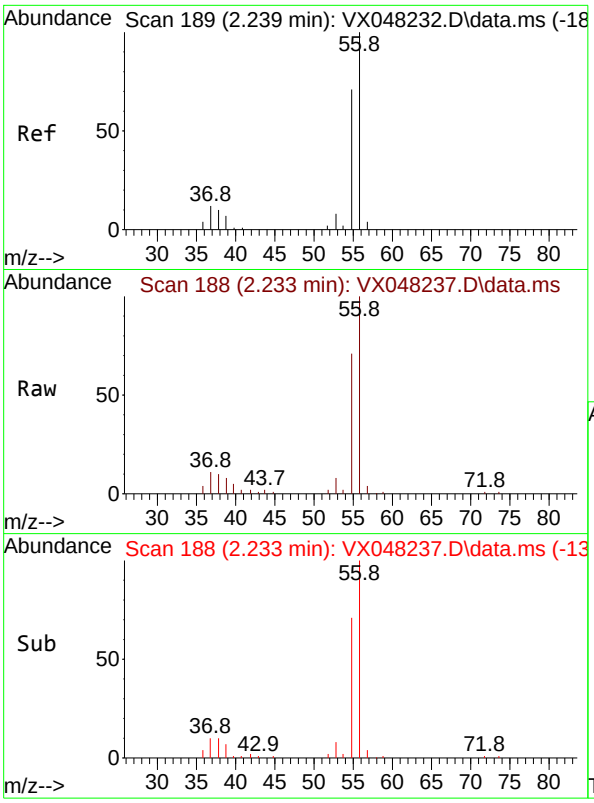


#12
1,1-Dichloroethene
Concen: 52.043 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 96 Resp: 79070

Ion	Ratio	Lower	Upper
96	100		
61	159.8	139.0	208.6
98	62.7	52.4	78.6

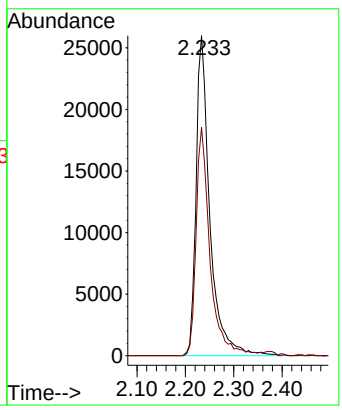




#13
Acrolein
Concen: 249.473 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 56 Resp: 5125

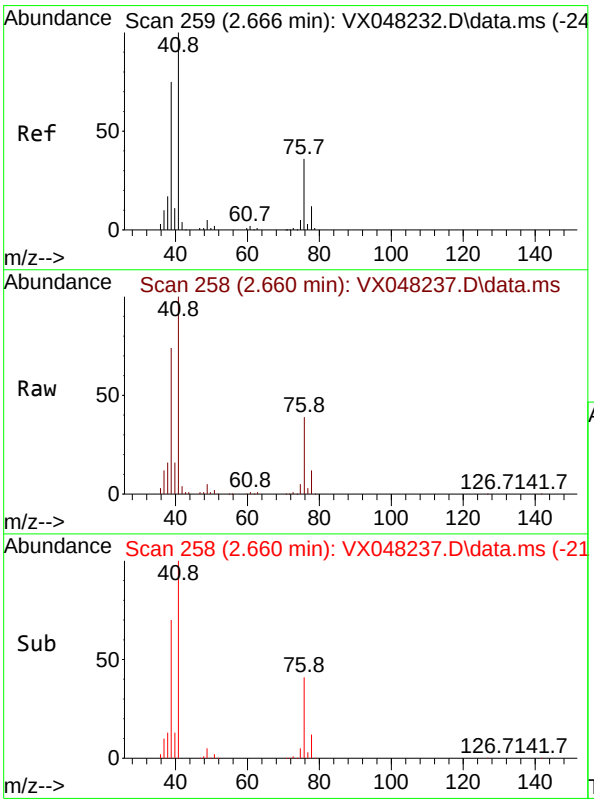
Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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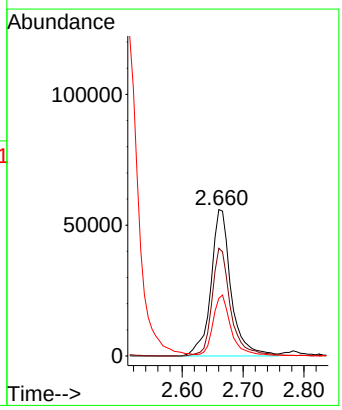
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

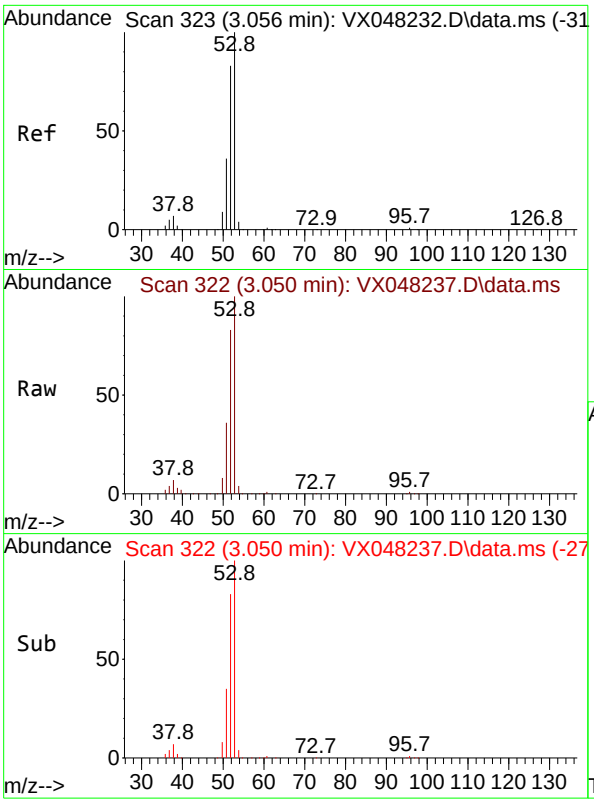


#14
Allyl chloride
Concen: 51.099 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 41 Resp: 128896

Ion	Ratio	Lower	Upper
41	100		
39	68.0	56.0	84.0
76	37.0	27.5	41.3

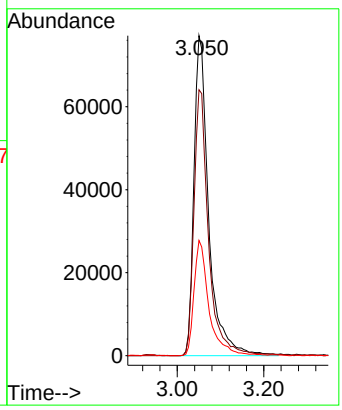




#15
Acrylonitrile
Concen: 250.900 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 53 Resp: 18226

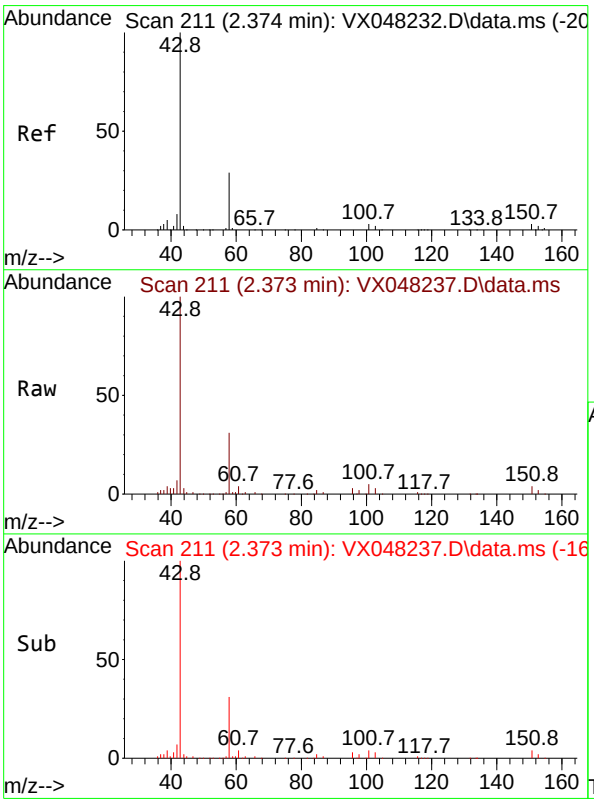
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	36.8	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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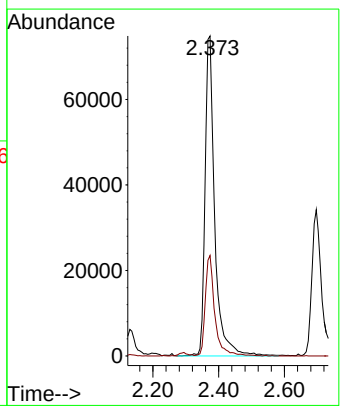
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

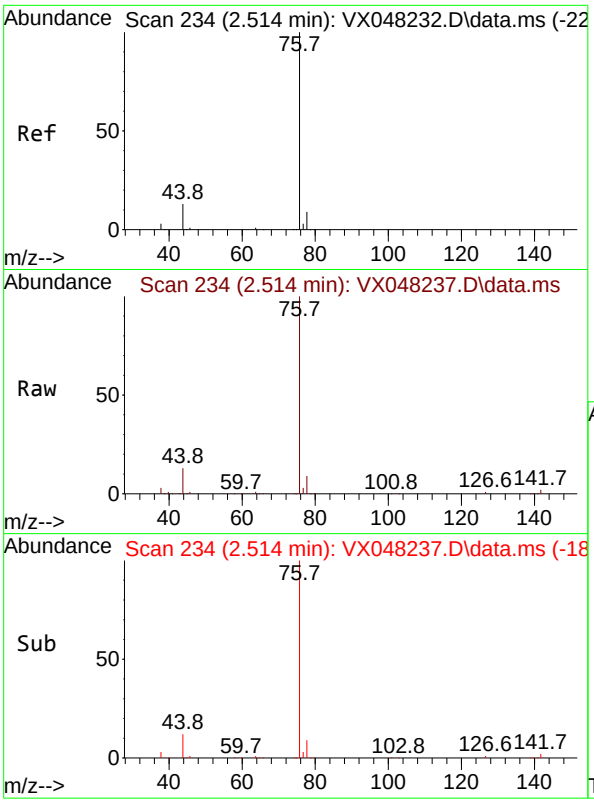


#16
Acetone
Concen: 219.789 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 152988

Ion	Ratio	Lower	Upper
43	100		
58	31.4	23.4	35.2





#17
Carbon Disulfide
Concen: 48.792 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

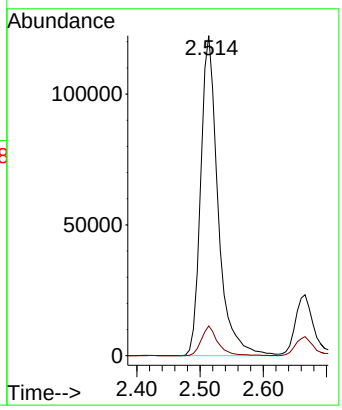
Tgt Ion: 76 Resp: 23363

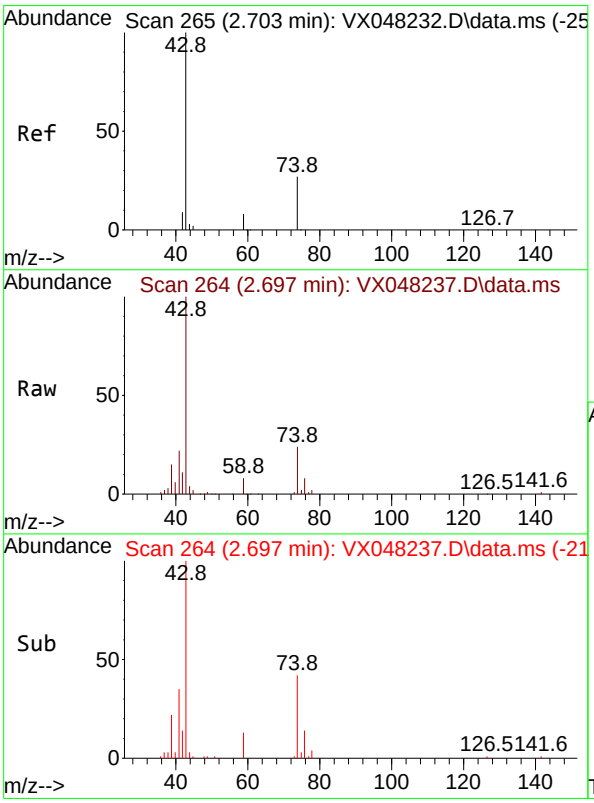
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

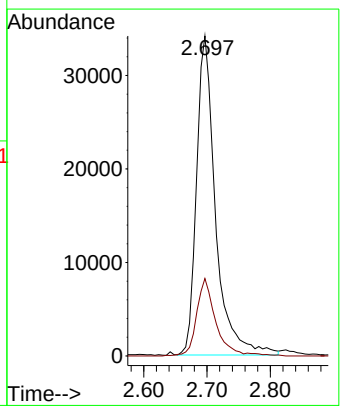


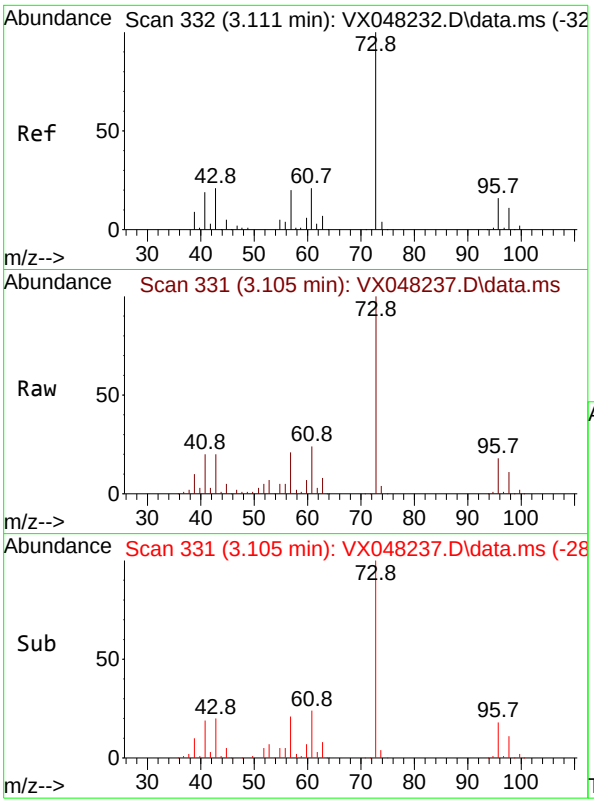


#18
Methyl Acetate
Concen: 49.190 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 71506

Ion	Ratio	Lower	Upper
43	100		
74	24.7	17.5	26.3

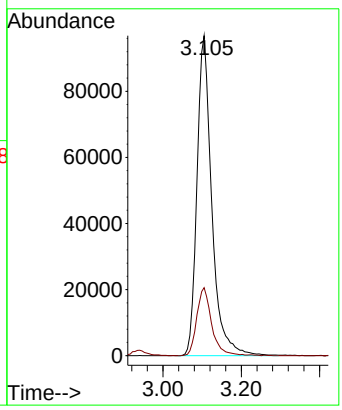




#19
Methyl tert-butyl Ether
Concen: 49.162 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 73 Resp: 25481

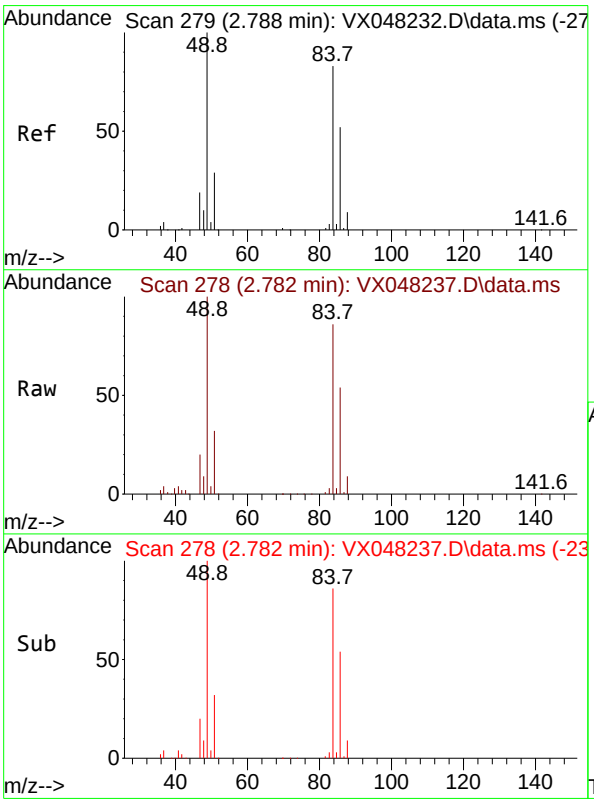
Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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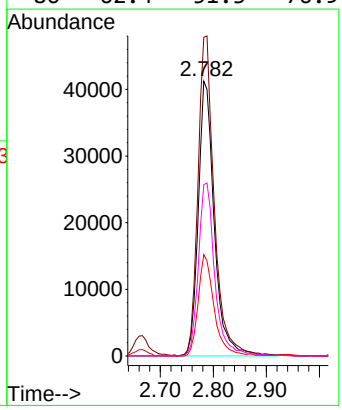
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

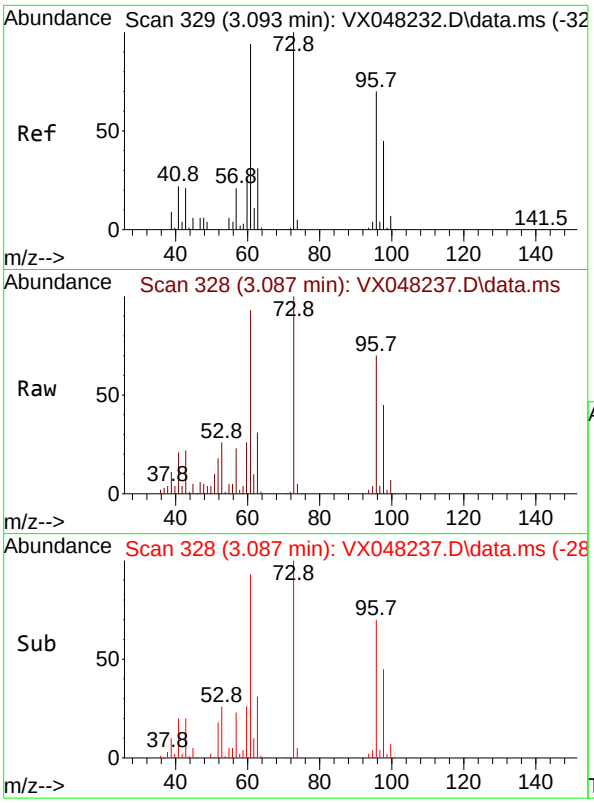


#20
Methylene Chloride
Concen: 51.066 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 84 Resp: 86610

Ion	Ratio	Lower	Upper
84	100		
49	116.0	104.1	156.1
51	36.8	31.3	46.9
86	62.4	51.3	76.9

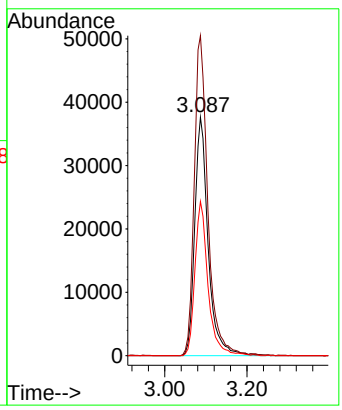




#21
trans-1,2-Dichloroethene
Concen: 50.932 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 96 Resp: 8500

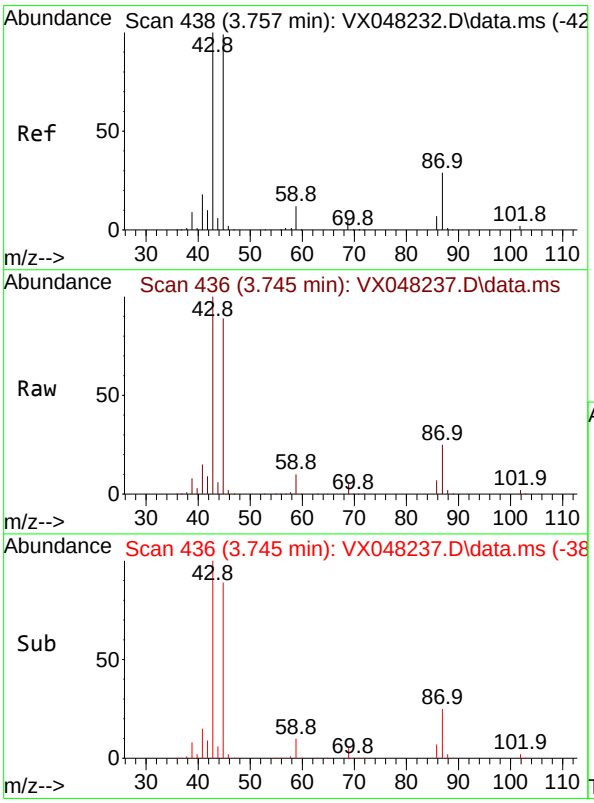
Ion	Ratio	Lower	Upper
96	100		
61	134.2	111.9	167.9
98	64.7	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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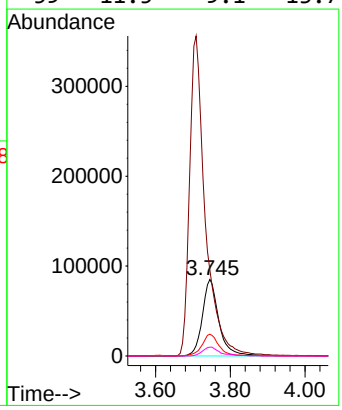
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

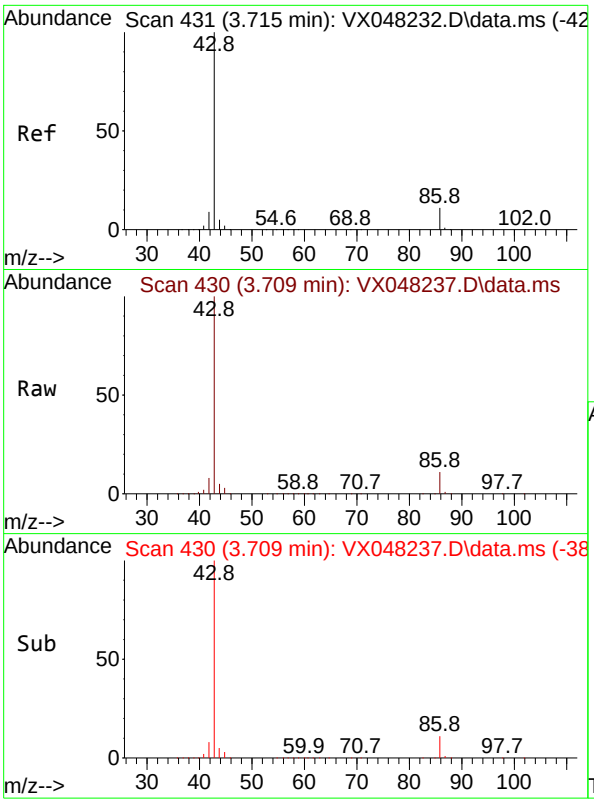


#22
Diisopropyl ether
Concen: 51.665 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 45 Resp: 259934

Ion	Ratio	Lower	Upper
45	100		
43	111.4	89.8	134.8
87	28.3	20.6	31.0
59	11.5	9.1	13.7





#23
Vinyl Acetate
Concen: 260.168 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

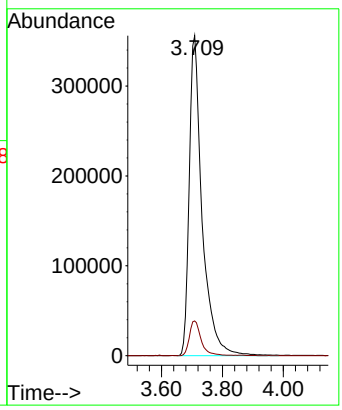
Tgt Ion: 43 Resp: 104558

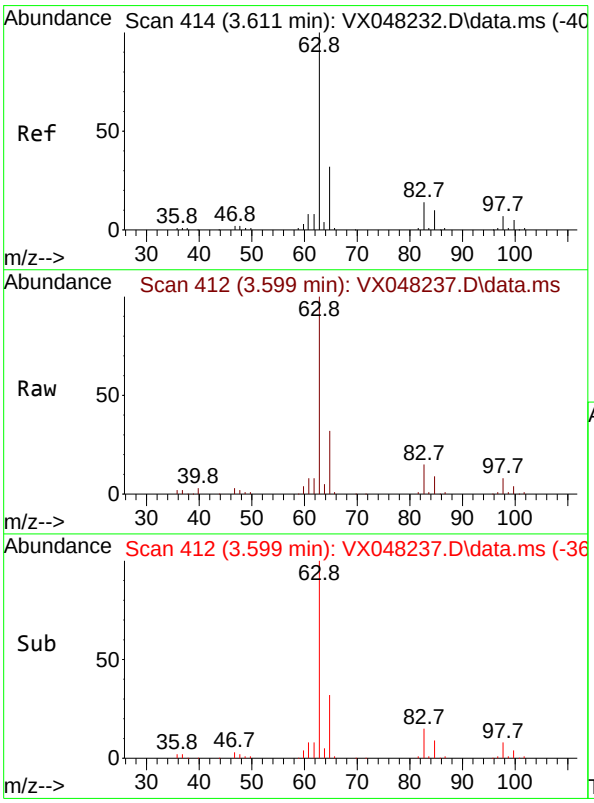
Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

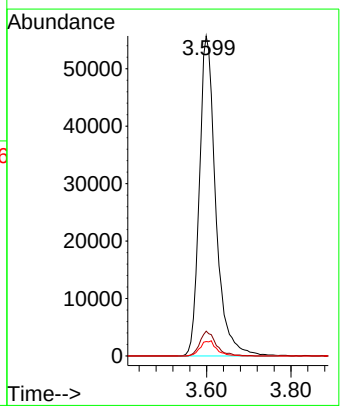


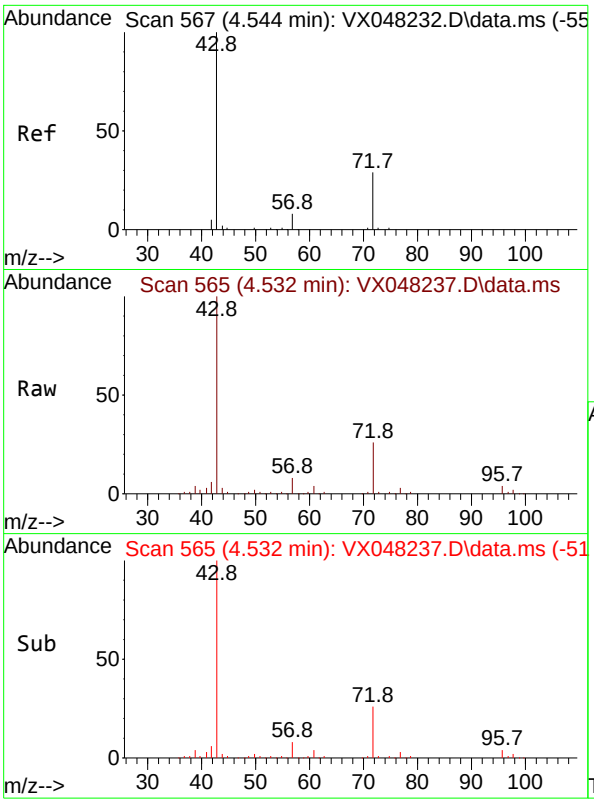


#24
1,1-Dichloroethane
Concen: 49.490 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 63 Resp: 150557

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.5	10.6
100	4.5	2.1	6.3





#25
2-Butanone
Concen: 238.354 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

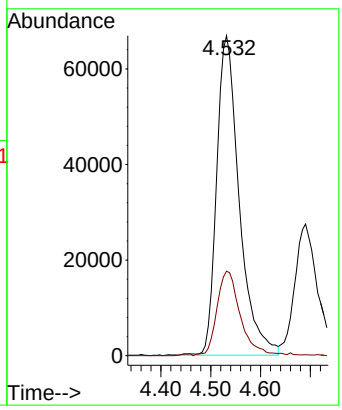
Tgt Ion: 43 Resp: 20999

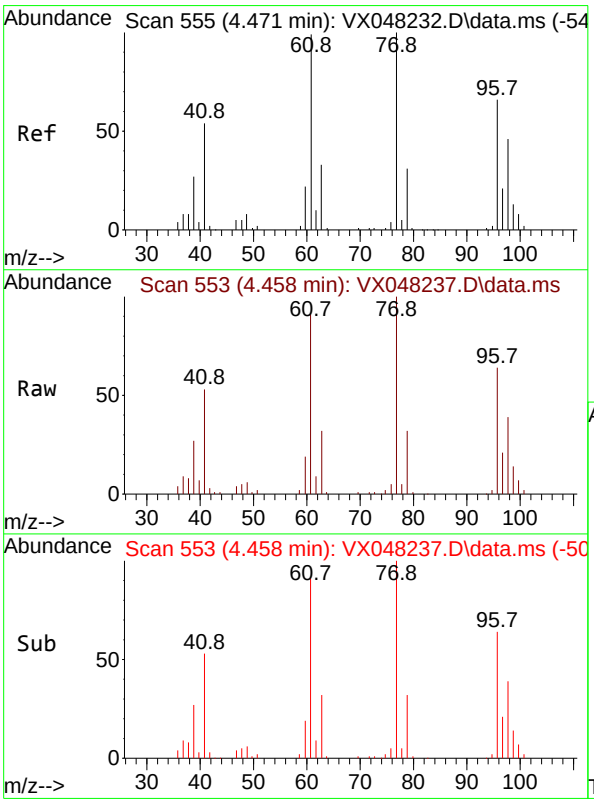
Ion	Ratio	Lower	Upper
43	100		
72	26.3	19.9	29.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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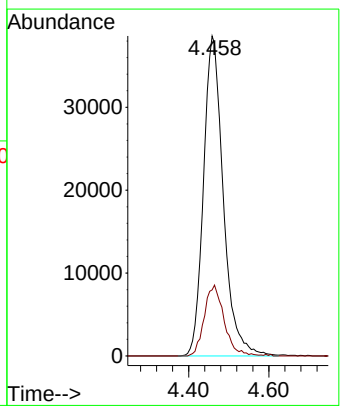


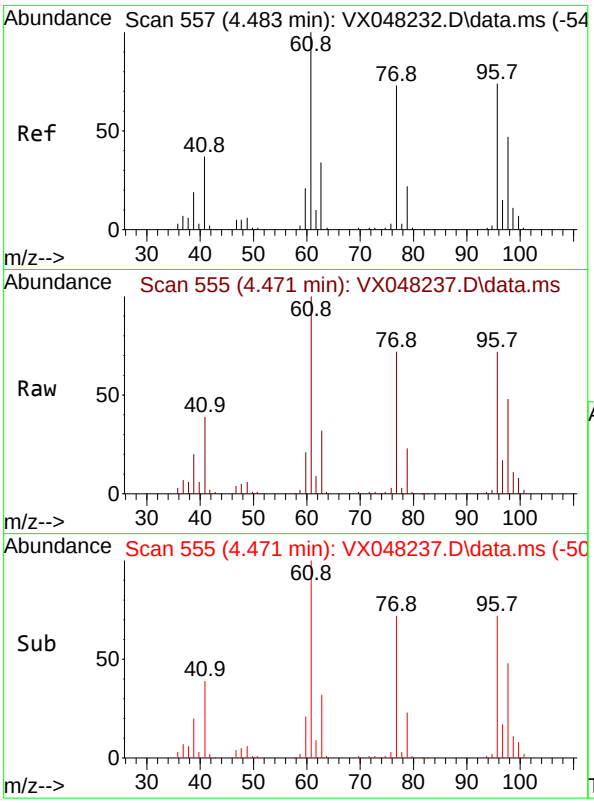


#26
2,2-Dichloropropane
Concen: 48.230 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 77 Resp: 132433

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.1	33.3

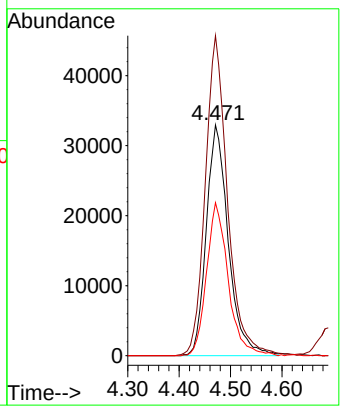




#27
cis-1,2-Dichloroethene
Concen: 50.350 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 96 Resp: 9806

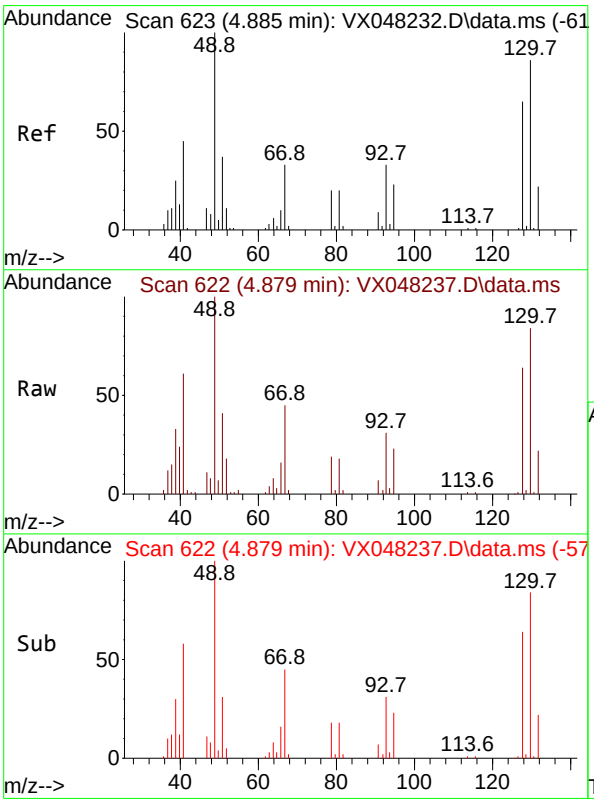
Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	294.2
98	65.2	0.0	128.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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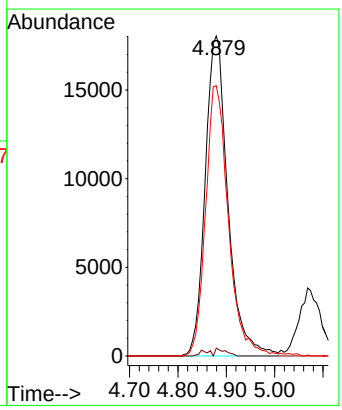
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

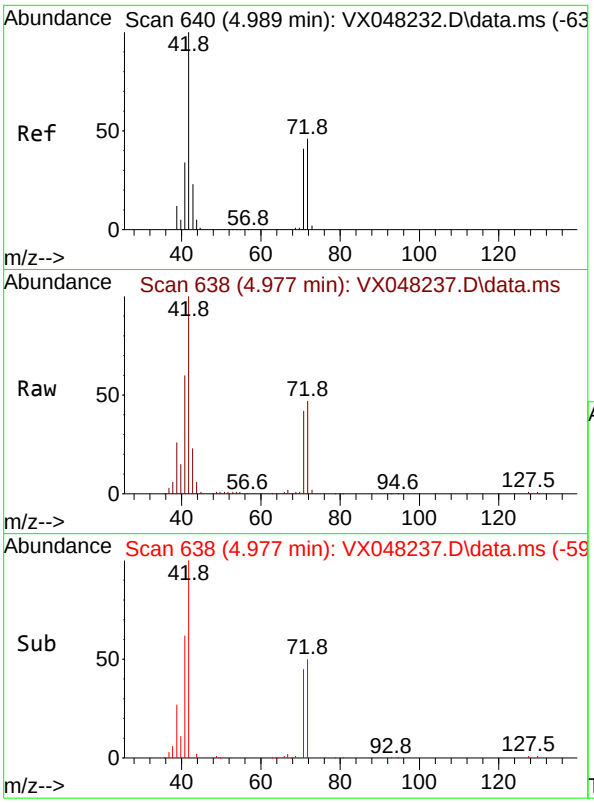


#28
Bromochloromethane
Concen: 46.587 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 49 Resp: 58764

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.4
130	85.1	59.3	88.9





#29
Tetrahydrofuran
Concen: 242.572 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

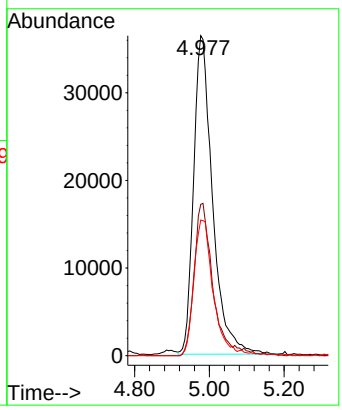
Tgt Ion: 42 Resp: 12799

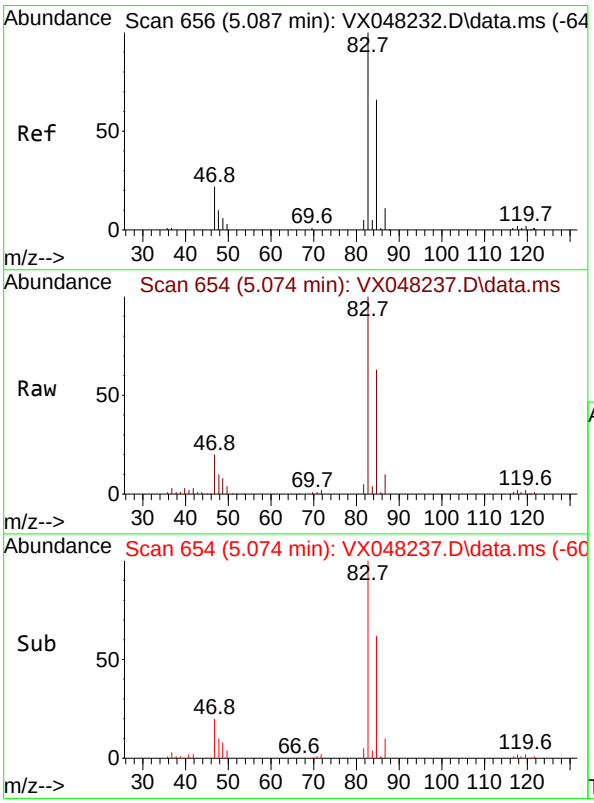
Ion	Ratio	Lower	Upper
42	100		
72	47.4	35.3	52.9
71	43.8	32.2	48.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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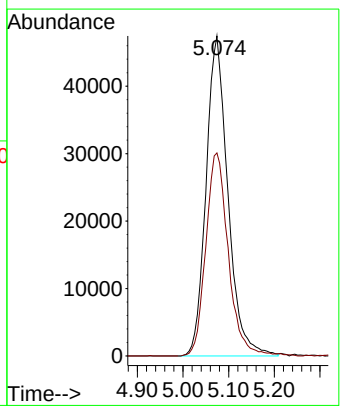


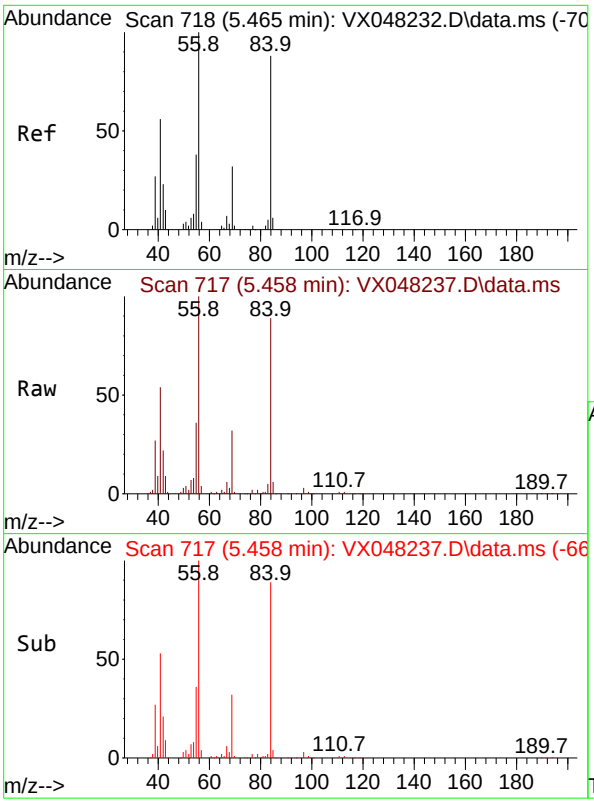


#30
Chloroform
Concen: 48.427 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 83 Resp: 157397

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.1	75.1





#31
Cyclohexane
Concen: 52.646 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

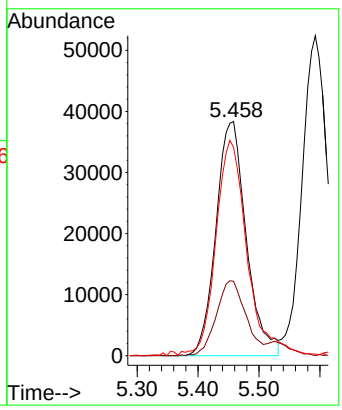
Tgt Ion: 56 Resp: 13259

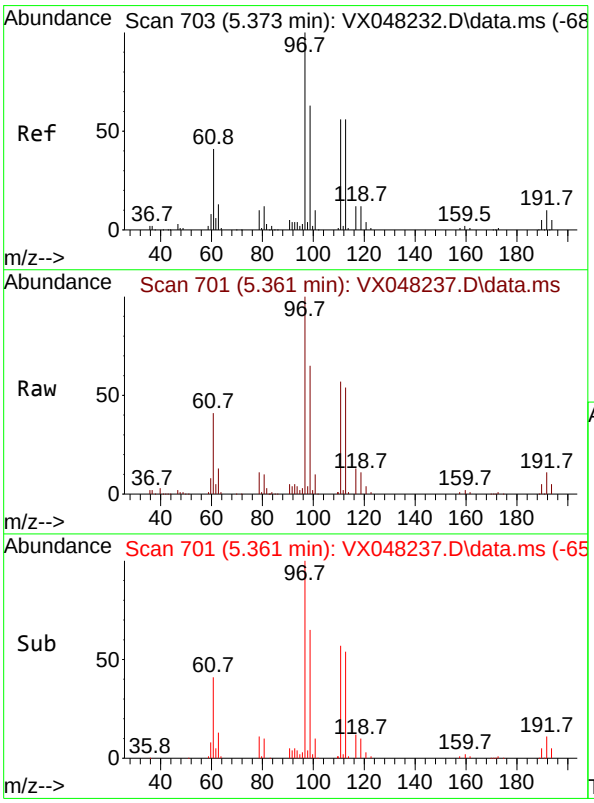
Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.0	34.6
84	88.9	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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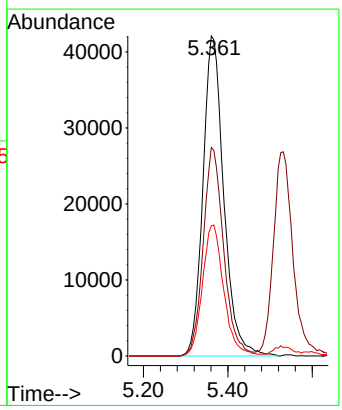


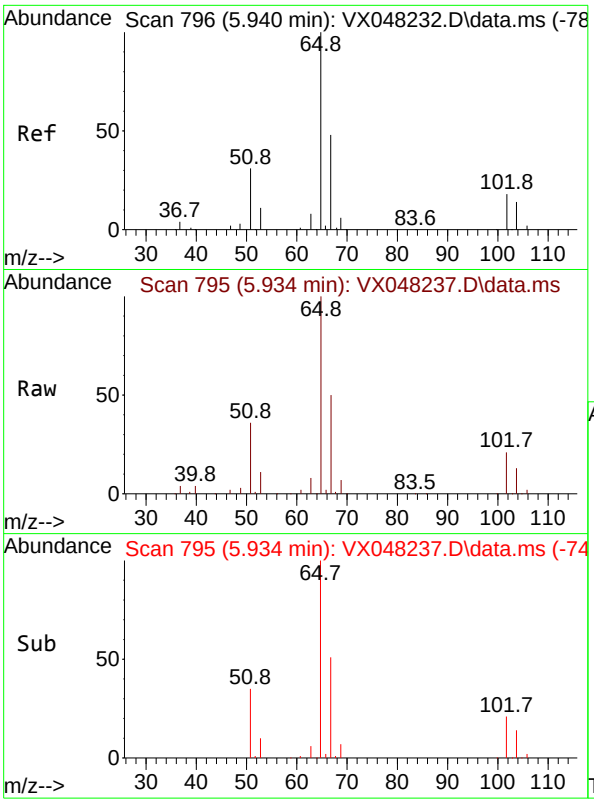


#32
1,1,1-Trichloroethane
Concen: 48.309 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 97 Resp: 144706

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	41.8	34.8	52.2

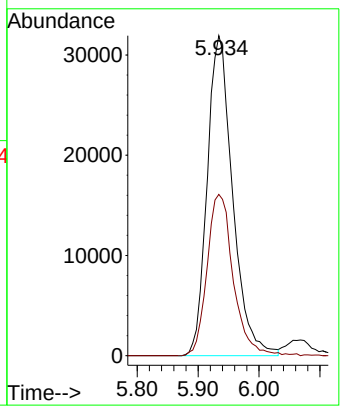




#33
1,2-Dichloroethane-d4
Concen: 45.687 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 65 Resp: 9270

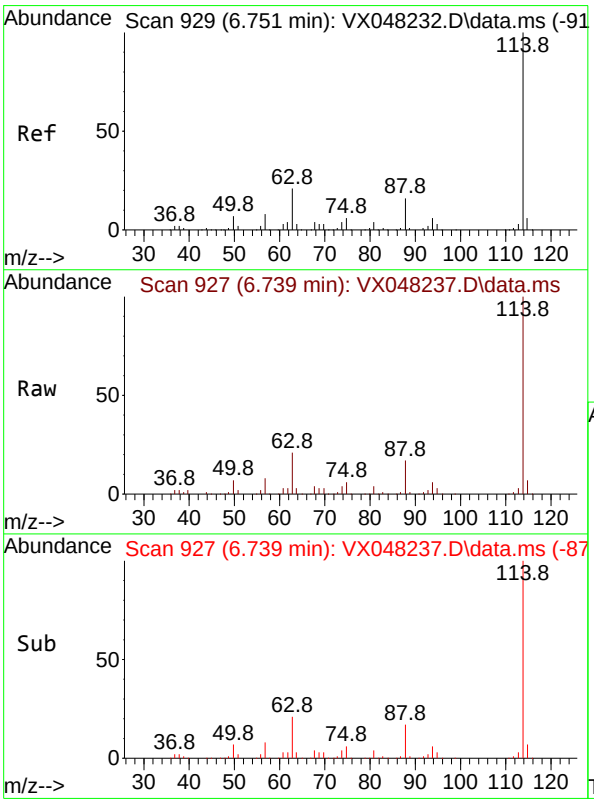
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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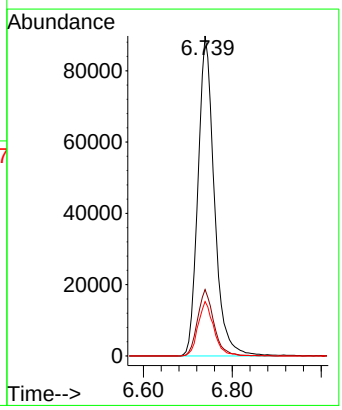
Reviewed By :John Carlone 10/21/2025
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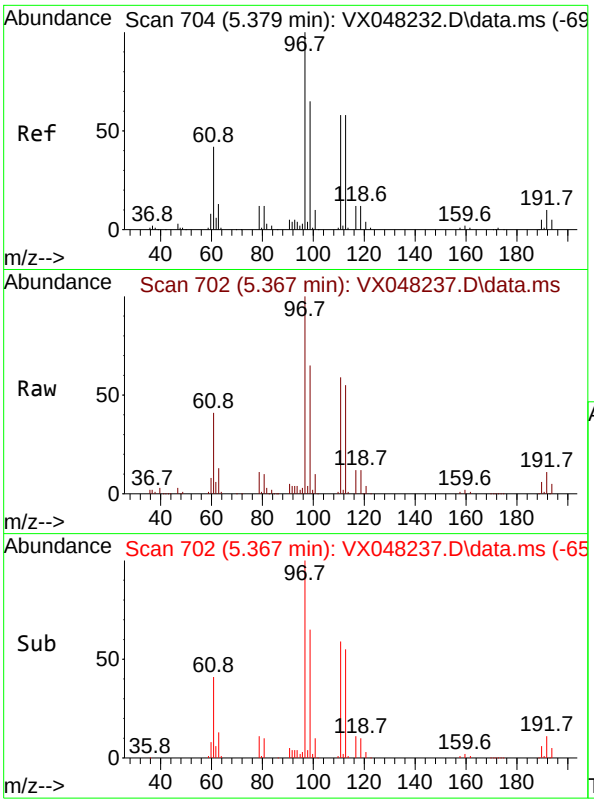


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:114 Resp: 229650

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	43.2
88	17.0	0.0	33.6

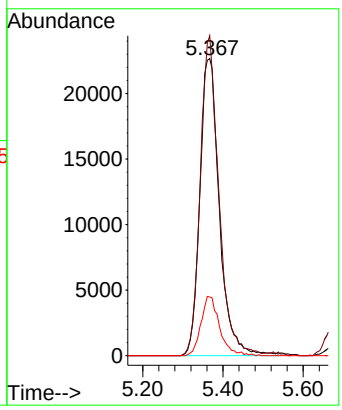




#35
Dibromofluoromethane
Concen: 48.951 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:113 Resp: 7674

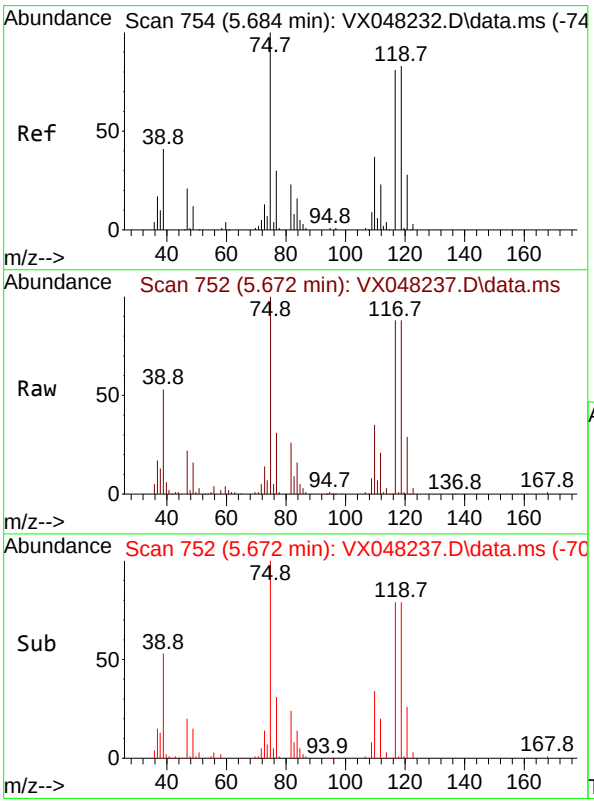
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	19.0	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

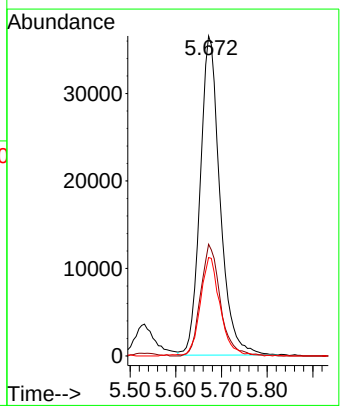
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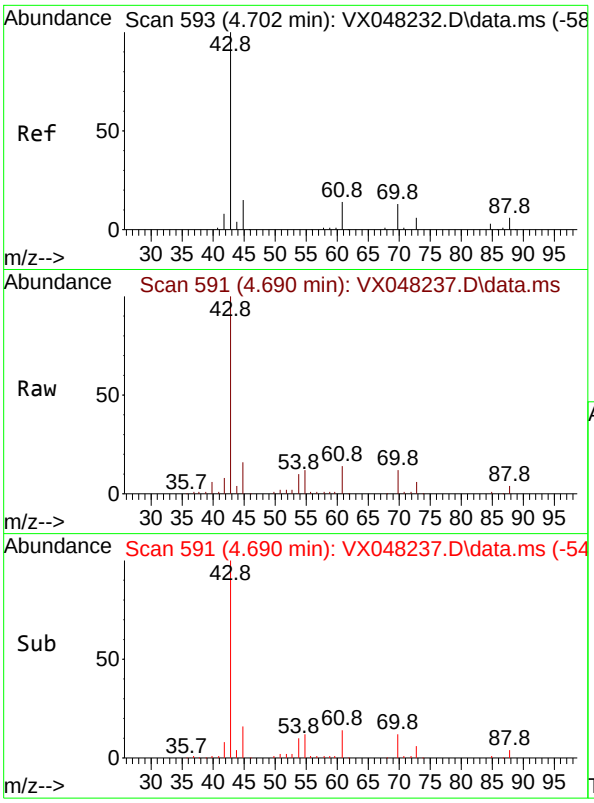


#36
1,1-Dichloropropene
Concen: 49.344 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 109957

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.7	53.1
77	30.4	24.3	36.5





#37
Ethyl Acetate
Concen: 47.684 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

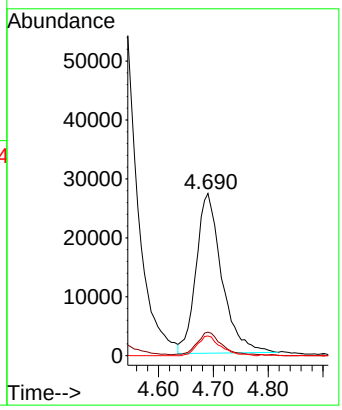
Tgt Ion: 43 Resp: 8807

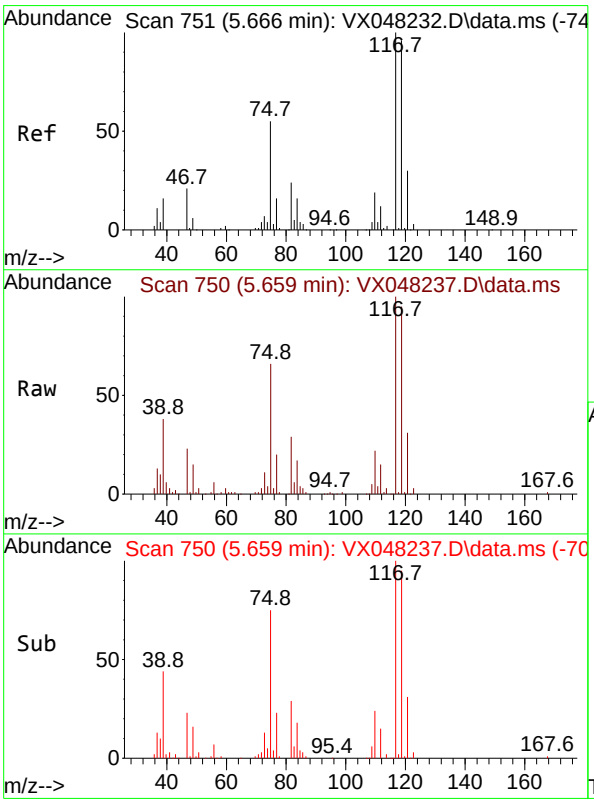
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	11.2	7.8	11.6

Instrument :
MSVOA_X
ClientSampleId :
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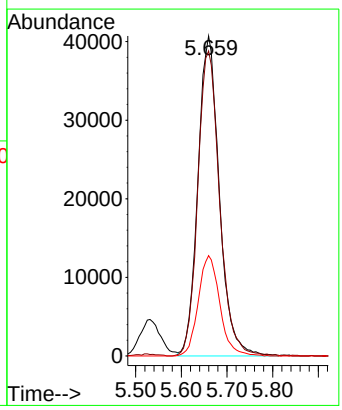


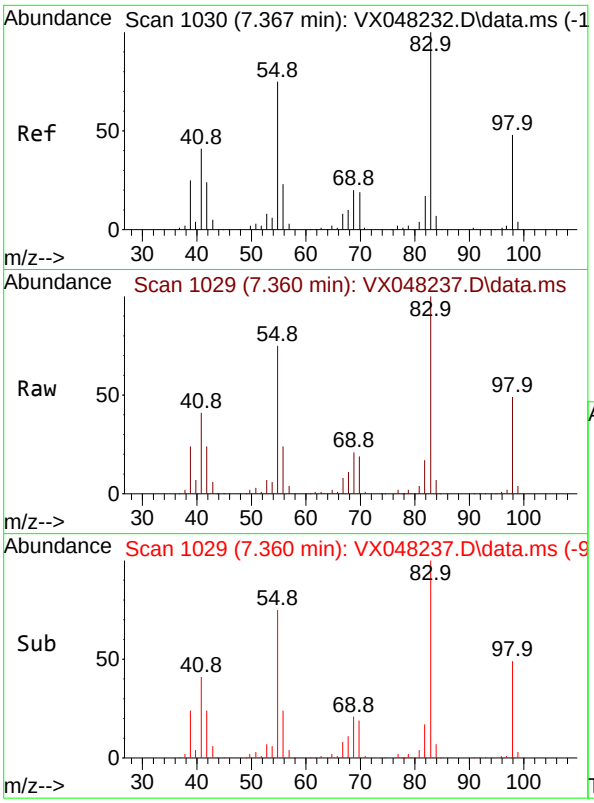


#38
Carbon Tetrachloride
Concen: 48.228 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:117 Resp: 132590

Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.2	115.8
121	31.4	24.8	37.2





#39
Methylcyclohexane
Concen: 52.670 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

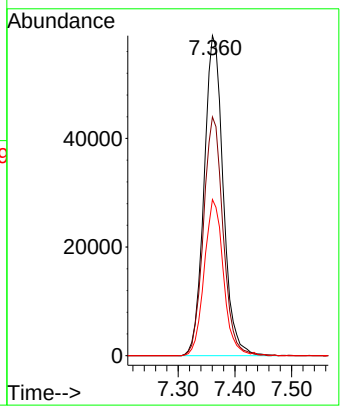
Tgt Ion: 83 Resp: 13861

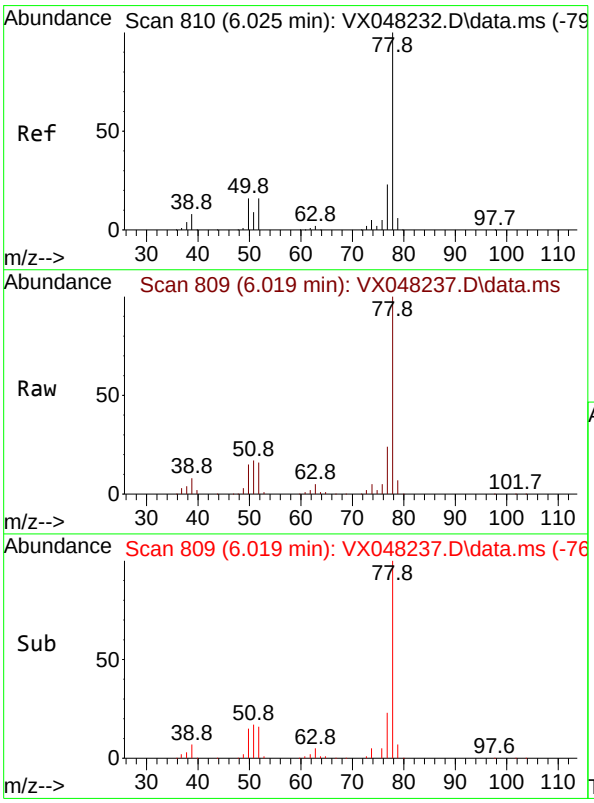
Ion	Ratio	Lower	Upper
83	100		
55	74.6	66.2	99.2
98	48.8	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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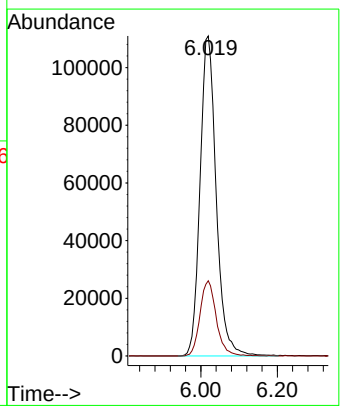


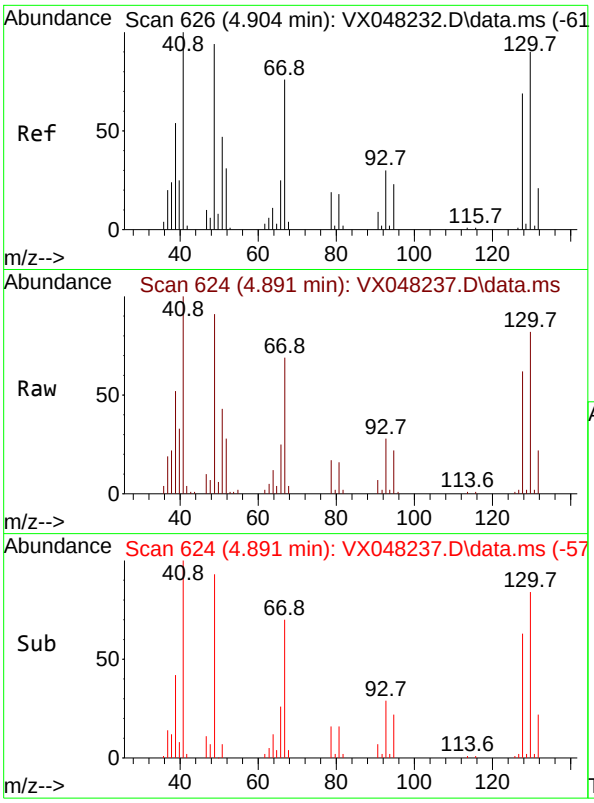


#40
Benzene
Concen: 50.241 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 78 Resp: 325041

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9

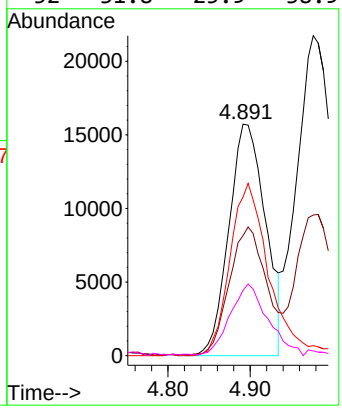




#41
Methacrylonitrile
Concen: 50.358 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 41 Resp: 4884

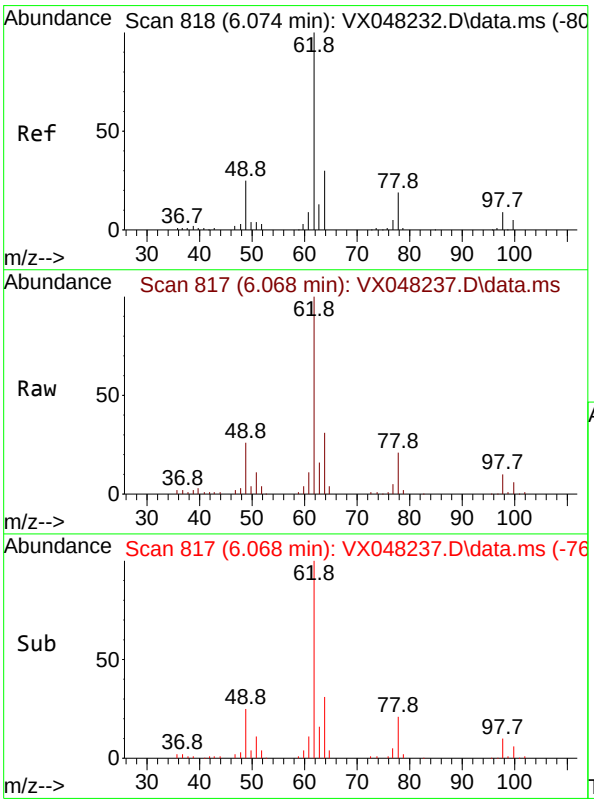
Ion	Ratio	Lower	Upper
41	100		
39	57.6	44.0	66.0
67	80.7	58.7	88.1
52	31.8	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

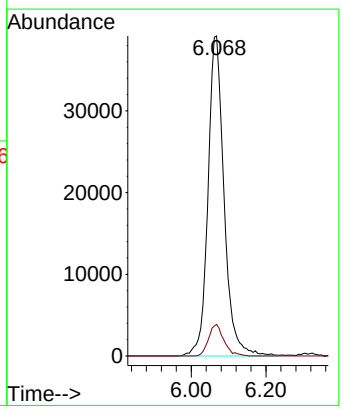
Reviewed By :John Carlone 10/21/2025
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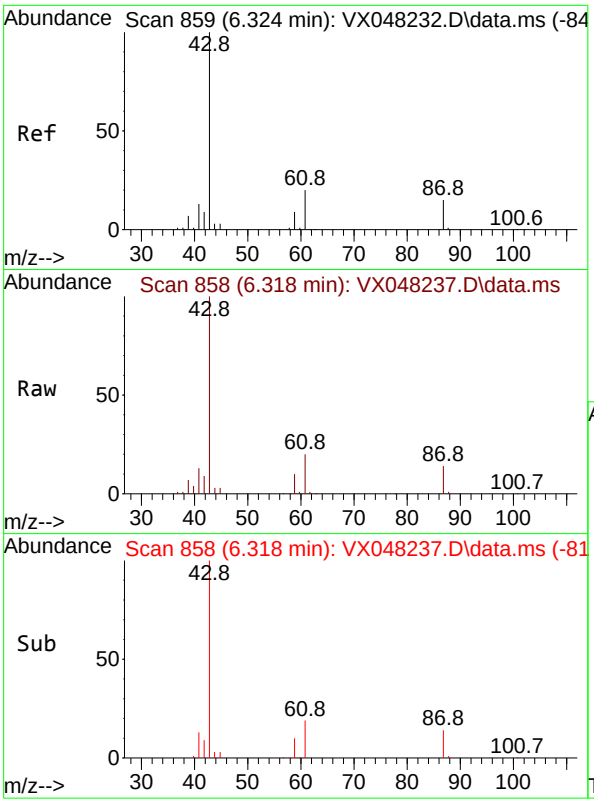


#42
1,2-Dichloroethane
Concen: 48.963 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 62 Resp: 116893

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.2

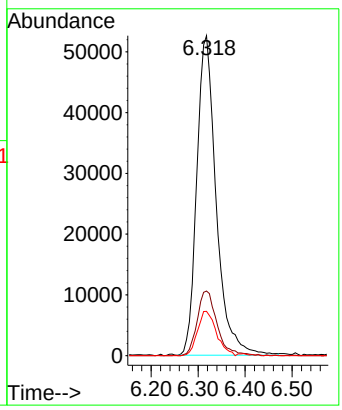




#43
Isopropyl Acetate
Concen: 49.816 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 15114

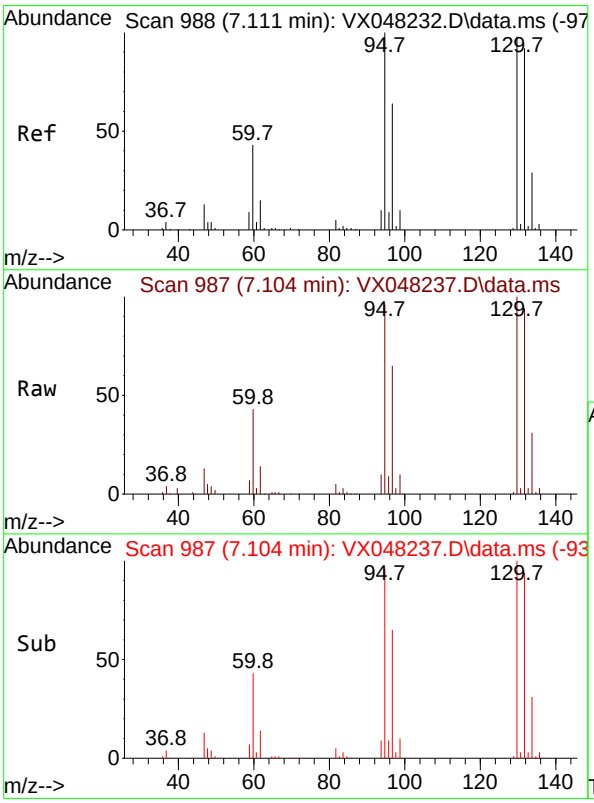
Ion	Ratio	Lower	Upper
43	100		
61	20.7	14.9	22.3
87	13.5	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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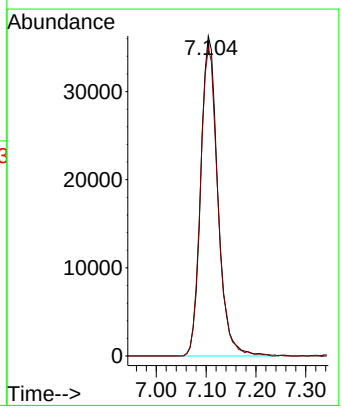
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

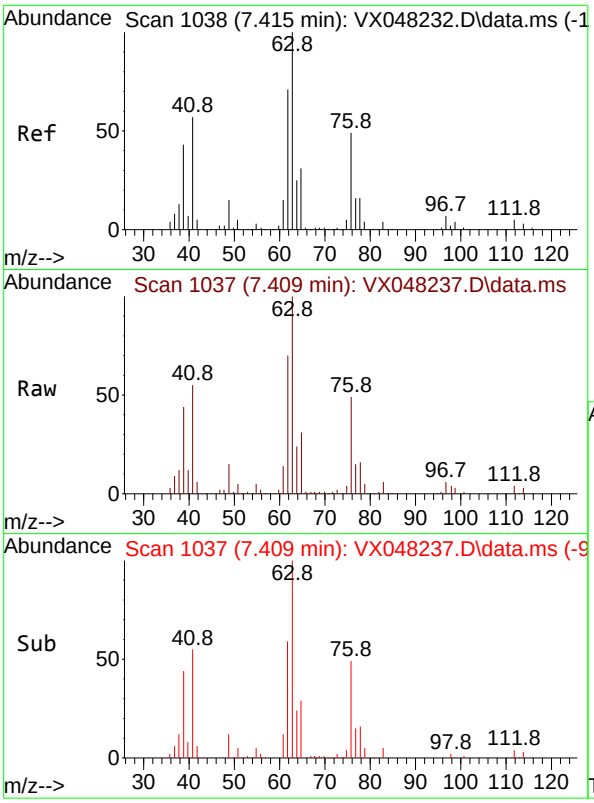


#44
Trichloroethene
Concen: 50.582 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:130 Resp: 86410

Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	200.6





#45
1,2-Dichloropropane
Concen: 50.994 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

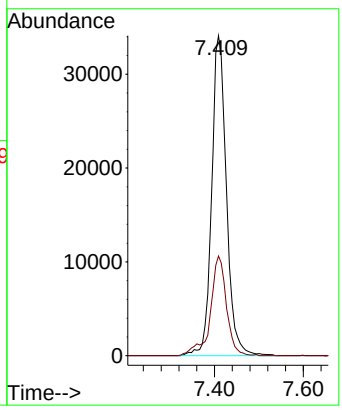
Tgt Ion: 63 Resp: 7843

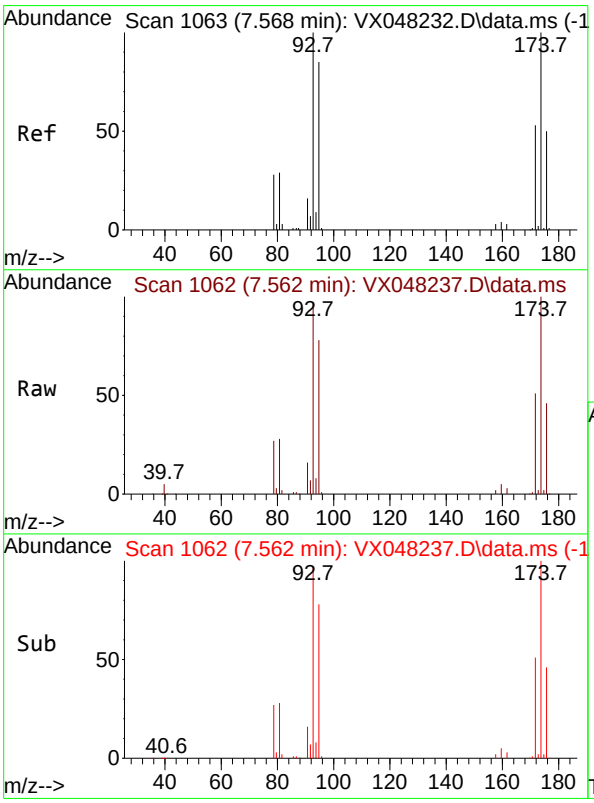
Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

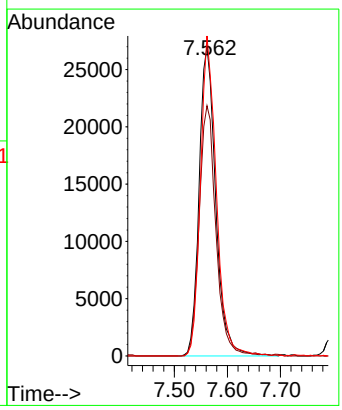


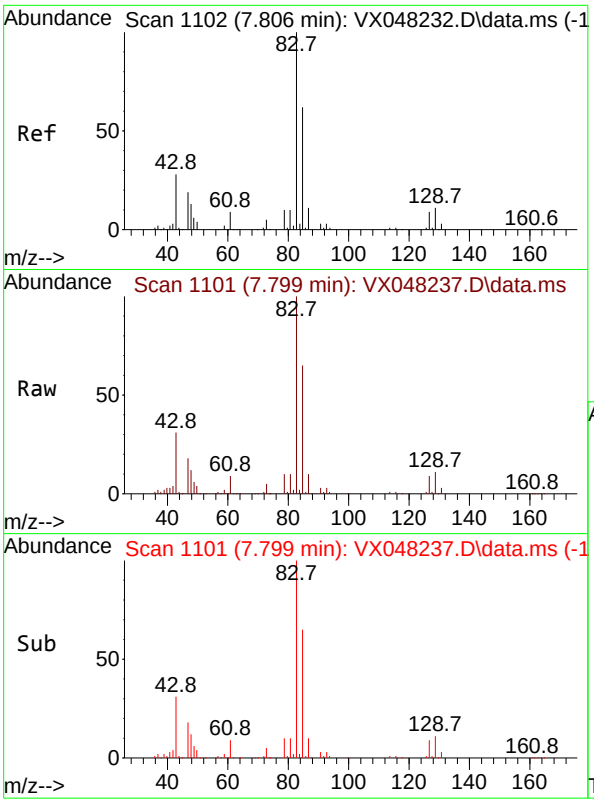


#46
Dibromomethane
Concen: 48.913 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 93 Resp: 58616

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.9	98.9
174	99.2	71.7	107.5

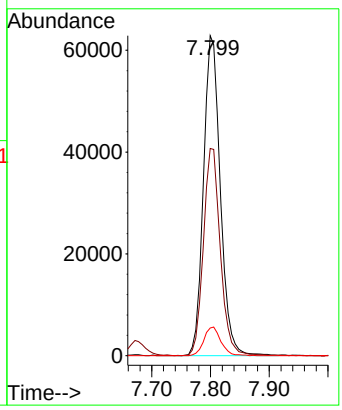




#47
Bromodichloromethane
Concen: 48.459 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 83 Resp: 12538

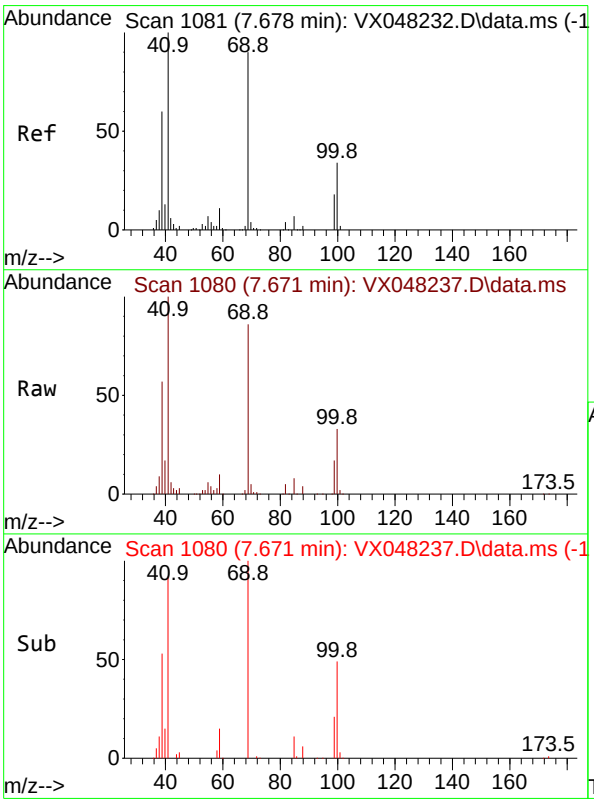
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.4
127	8.7	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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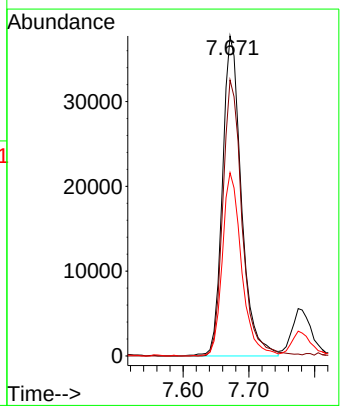
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

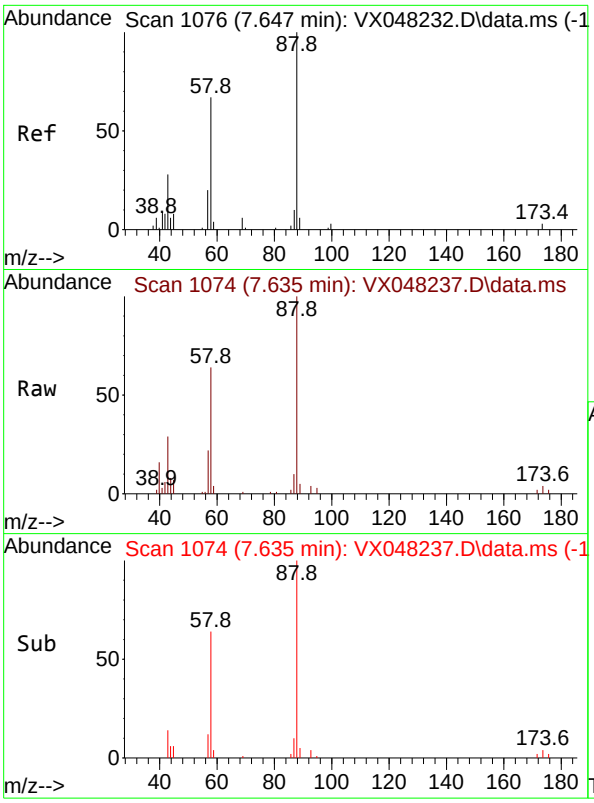


#48
Methyl methacrylate
Concen: 49.519 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 41 Resp: 75812

Ion	Ratio	Lower	Upper
41	100		
69	87.7	63.4	95.0
39	58.0	47.1	70.7

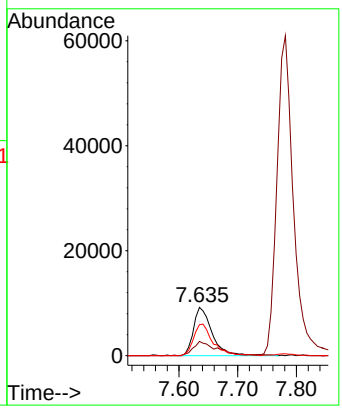




#49
1,4-Dioxane
Concen: 1000.197 ug/l
RT: 7.635 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 88 Resp: 2023

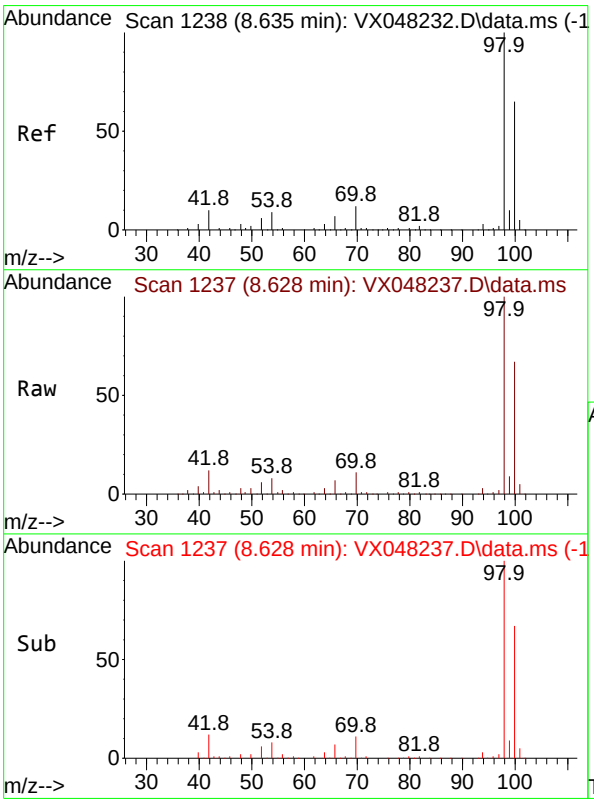
Ion	Ratio	Lower	Upper
88	100		
43	37.8	35.0	52.4
58	67.9	61.9	92.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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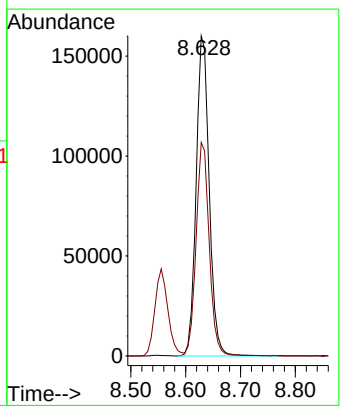
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

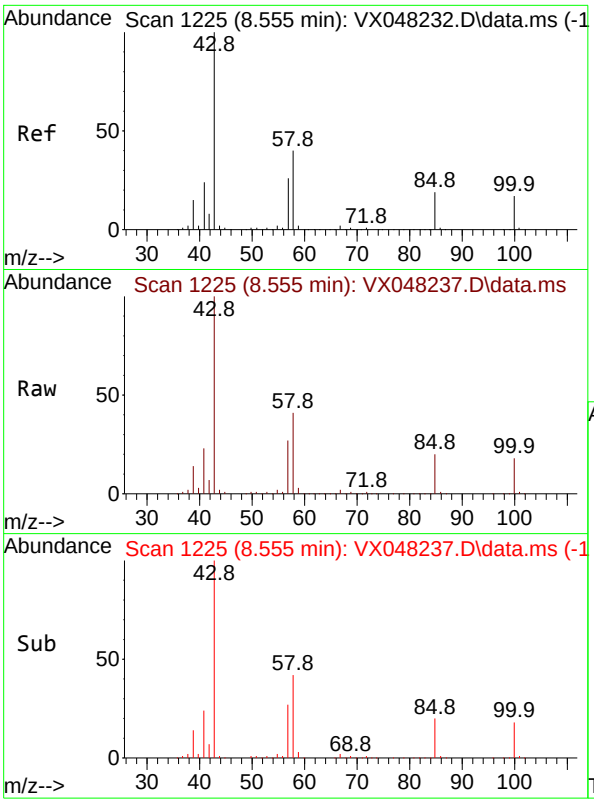


#50
Toluene-d8
Concen: 48.386 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 98 Resp: 265898

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4

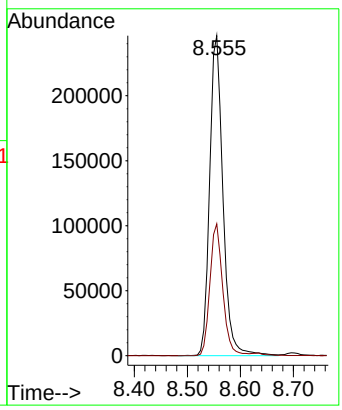




#51
4-Methyl-2-Pentanone
Concen: 244.897 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 42839

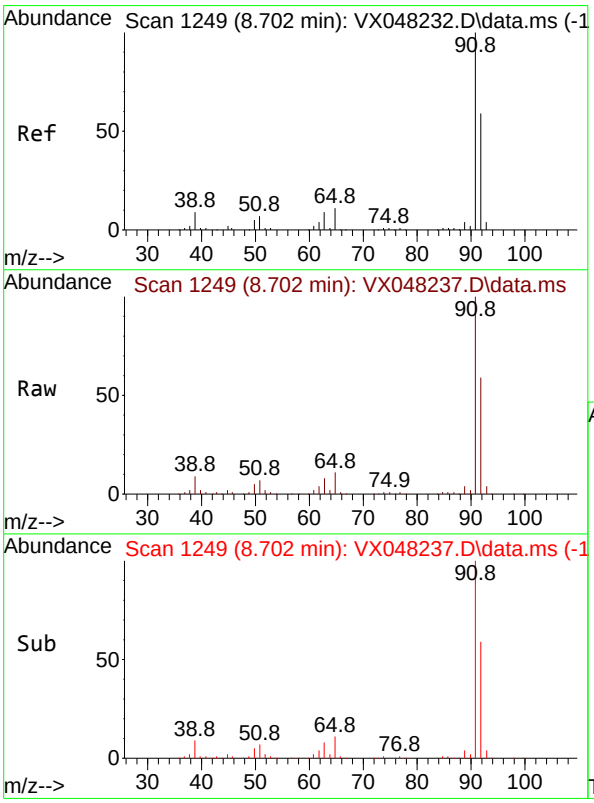
Ion	Ratio	Lower	Upper
43	100		
58	39.9	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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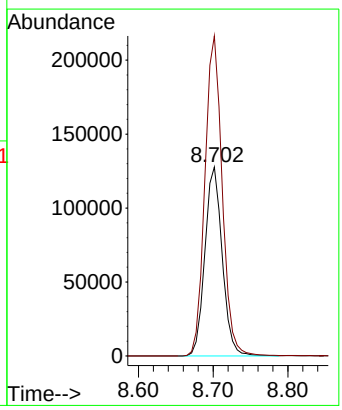
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

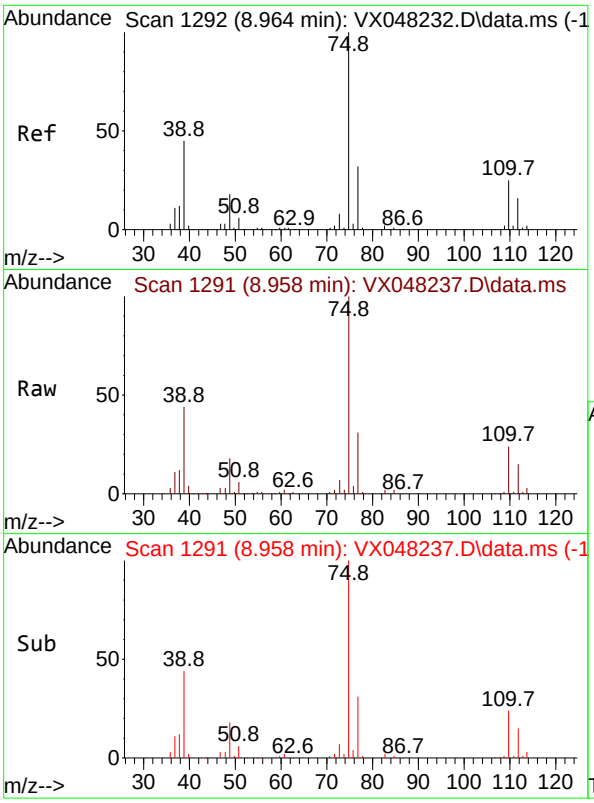


#52
Toluene
Concen: 50.088 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 92 Resp: 205867

Ion	Ratio	Lower	Upper
92	100		
91	169.0	136.1	204.1





#53
t-1,3-Dichloropropene
Concen: 50.004 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

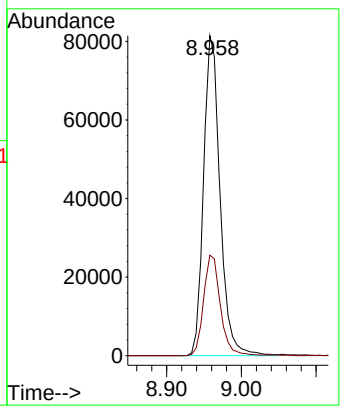
Tgt Ion: 75 Resp: 12468

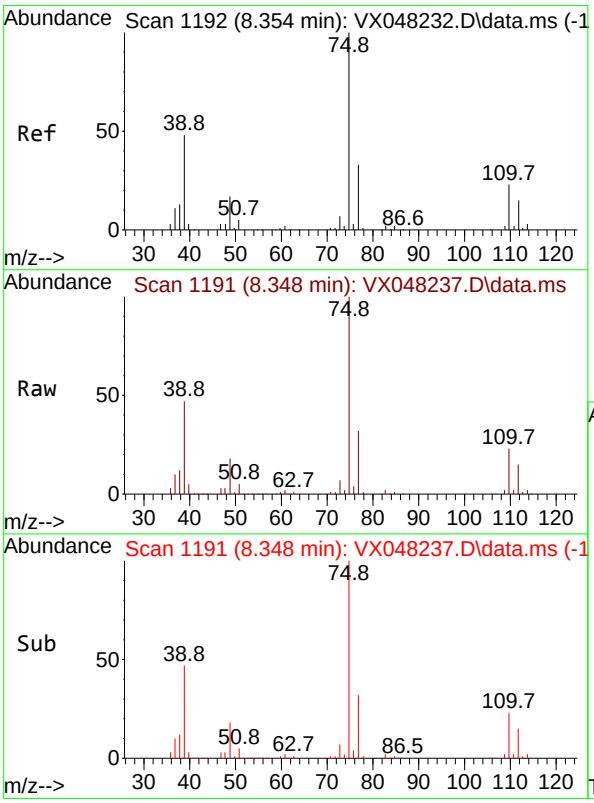
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

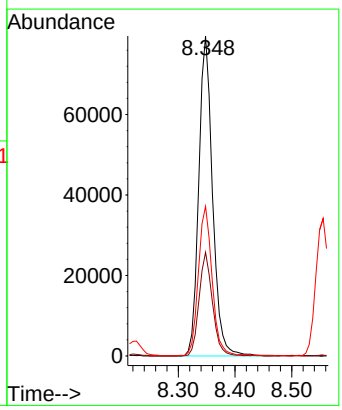


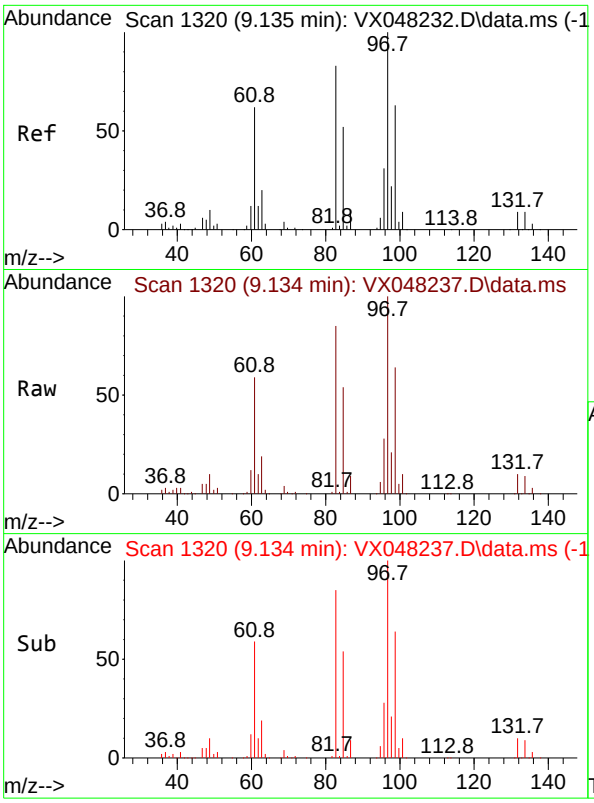


#54
cis-1,3-Dichloropropene
Concen: 49.944 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 134360

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.9	37.3
39	46.7	42.6	64.0

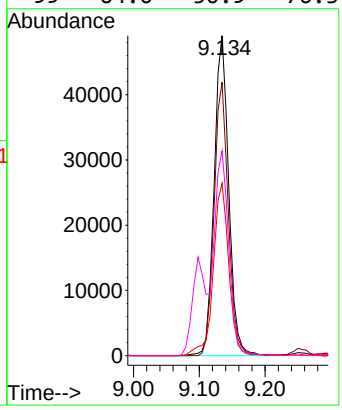




#55
1,1,2-Trichloroethane
Concen: 49.597 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 97 Resp: 7580

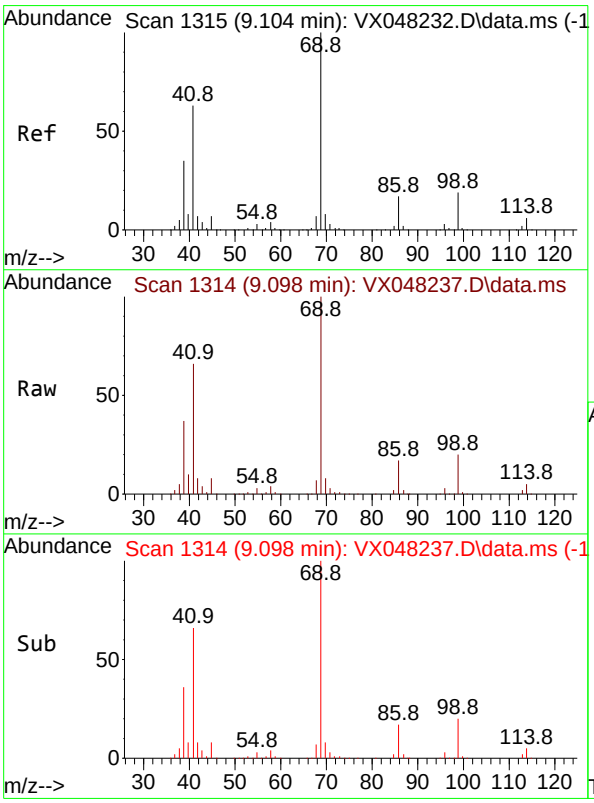
Ion	Ratio	Lower	Upper
97	100		
83	85.5	70.6	105.8
85	53.9	45.0	67.6
99	64.0	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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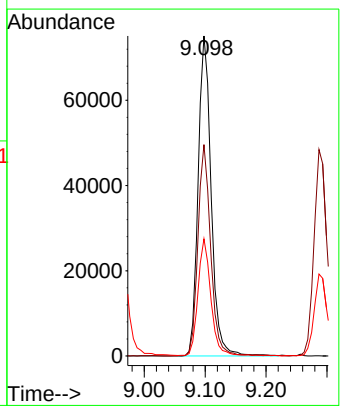
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

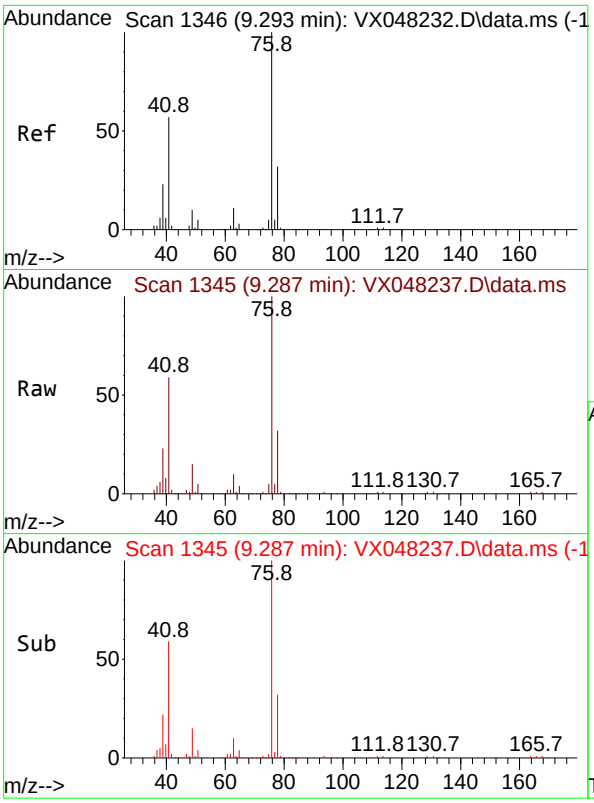


#56
Ethyl methacrylate
Concen: 49.964 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 69 Resp: 111702

Ion	Ratio	Lower	Upper
69	100		
41	65.1	56.0	84.0
39	36.0	31.6	47.4





#57
1,3-Dichloropropane
Concen: 49.226 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

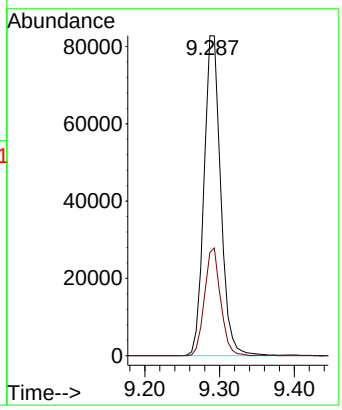
Tgt Ion: 76 Resp: 12851

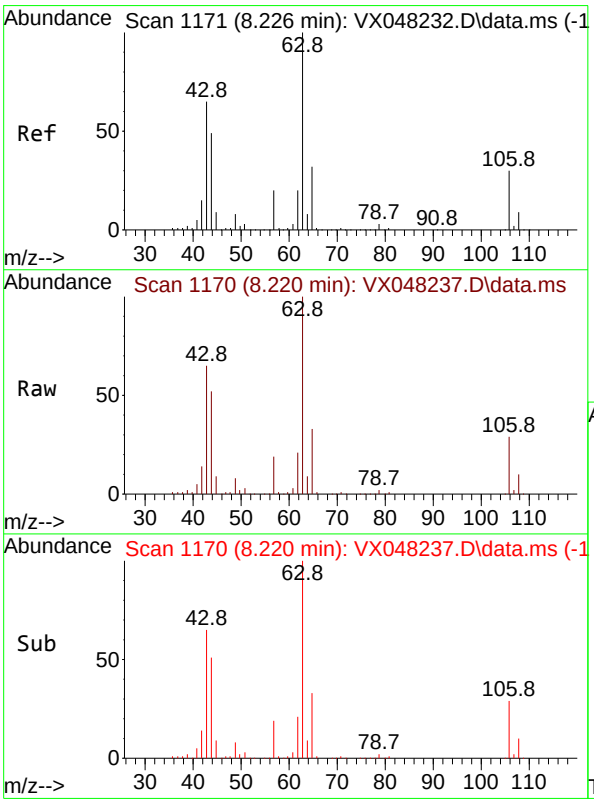
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

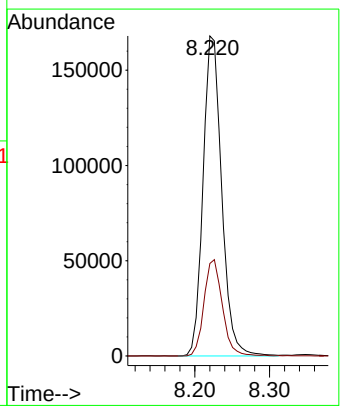


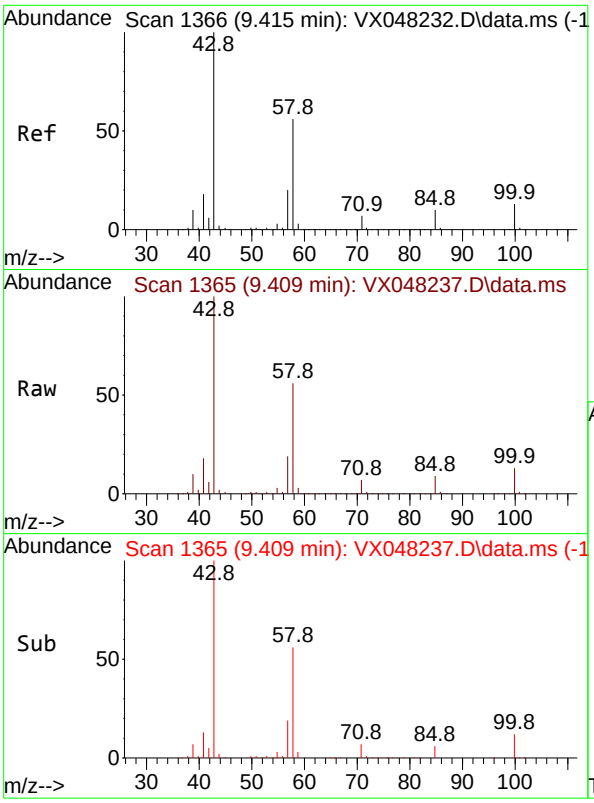


#58
2-Chloroethyl Vinyl ether
Concen: 242.124 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 63 Resp: 290992

Ion	Ratio	Lower	Upper
63	100		
106	29.6	22.2	33.2





#59
2-Hexanone
Concen: 246.102 ug/l
RT: 9.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

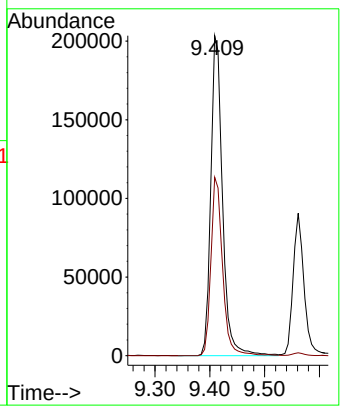
Tgt Ion: 43 Resp: 30018

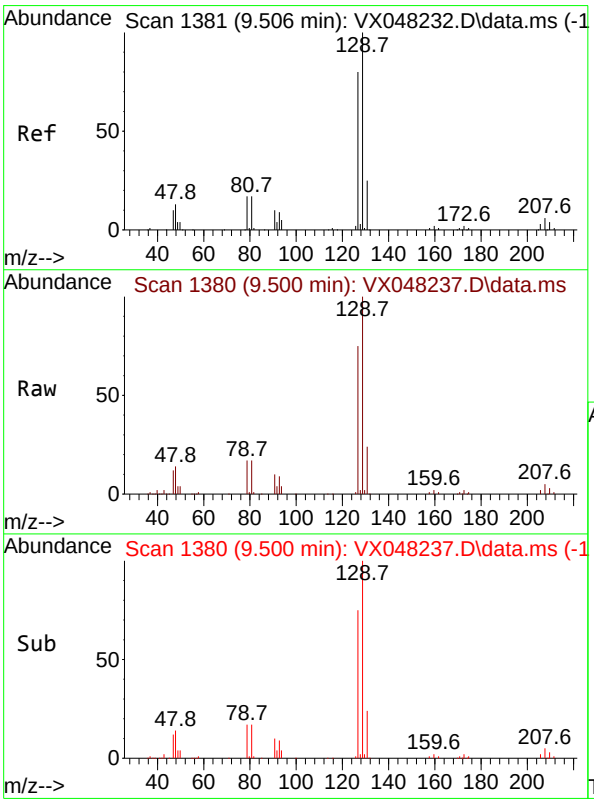
Ion	Ratio	Lower	Upper
43	100		
58	55.6	26.3	78.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

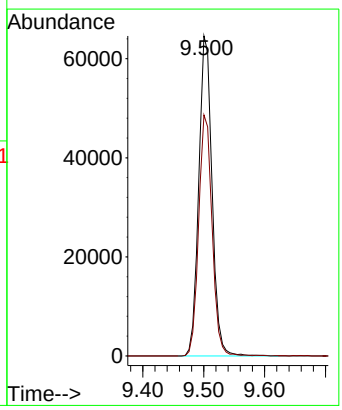


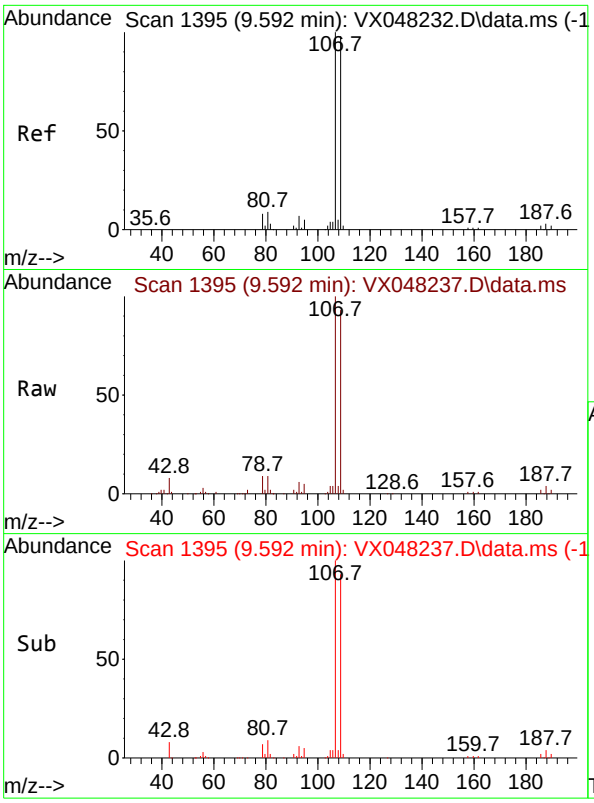


#60
Dibromochloromethane
Concen: 47.530 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:129 Resp: 97643

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.6	115.7





#61
1,2-Dibromoethane
Concen: 49.319 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

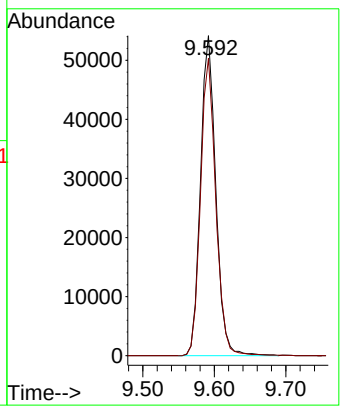
Tgt Ion:107 Resp: 8036

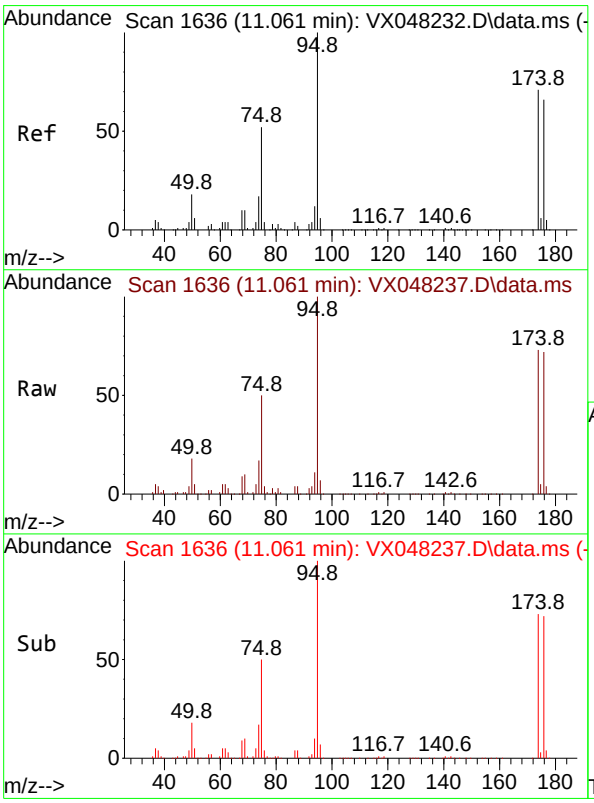
Ion	Ratio	Lower	Upper
107	100		
109	93.1	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

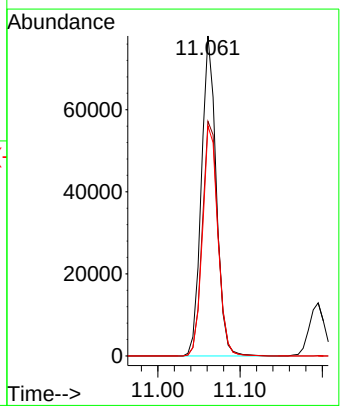


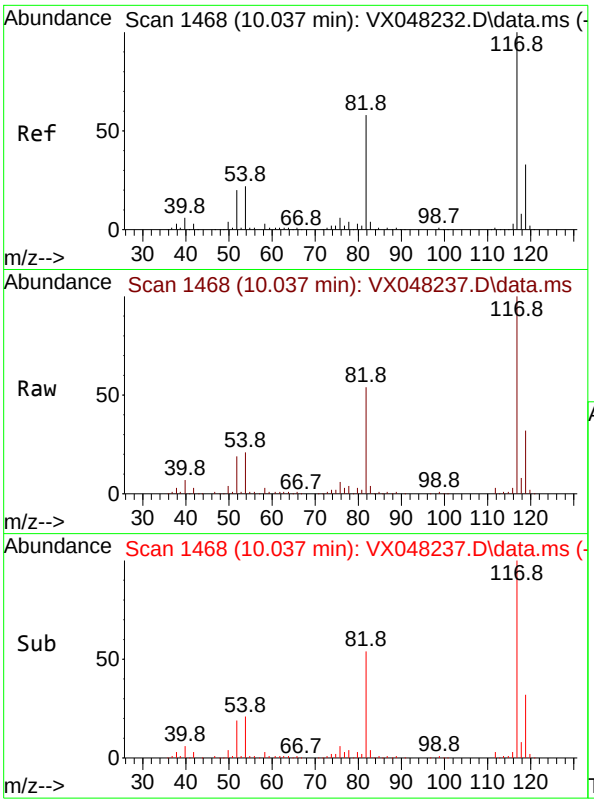


#62
4-Bromofluorobenzene
Concen: 46.795 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 95 Resp: 97828

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	147.8
176	74.2	0.0	142.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

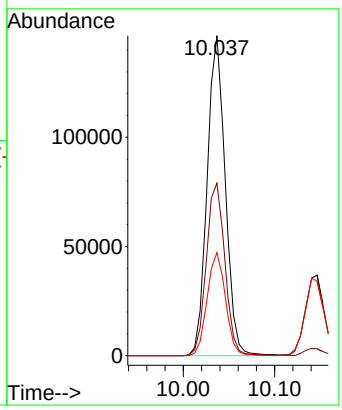
Tgt Ion:117 Resp: 20139

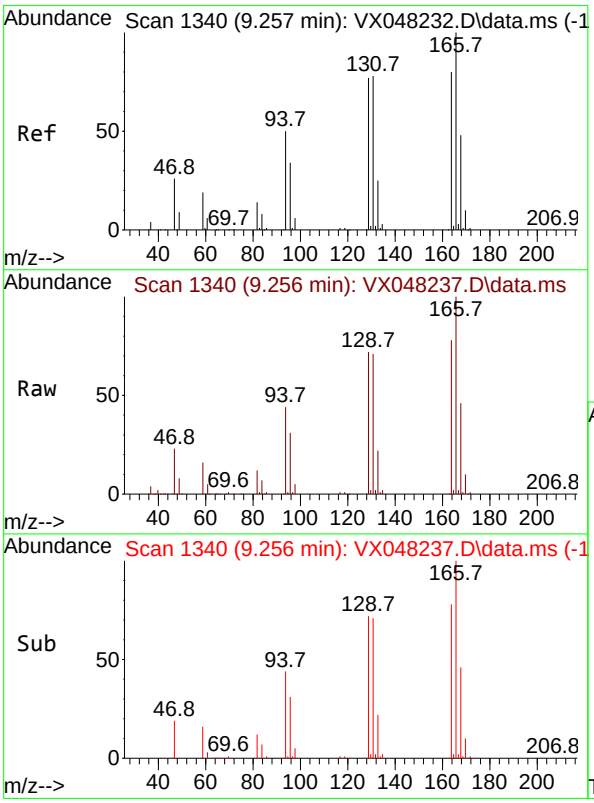
Ion	Ratio	Lower	Upper
117	100		
82	53.9	46.5	69.7
119	32.2	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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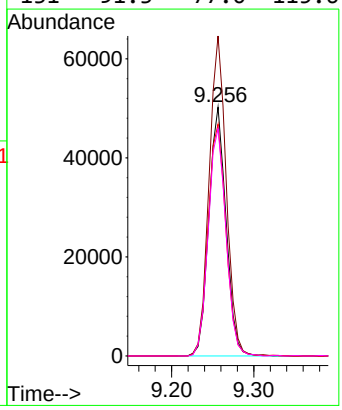


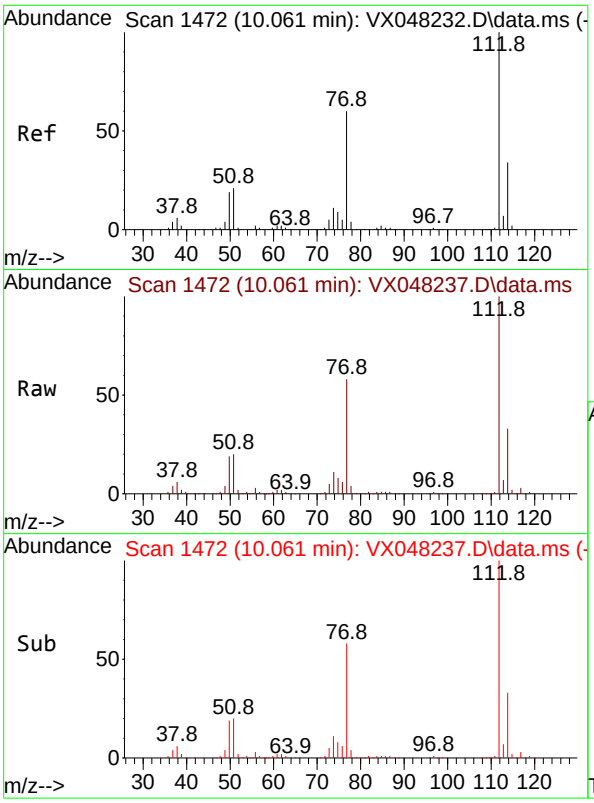


#64
Tetrachloroethene
Concen: 48.686 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:164 Resp: 73198

Ion	Ratio	Lower	Upper
164	100		
166	128.6	104.5	156.7
129	93.1	81.8	122.6
131	91.3	77.0	115.6





#65
Chlorobenzene
Concen: 50.095 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

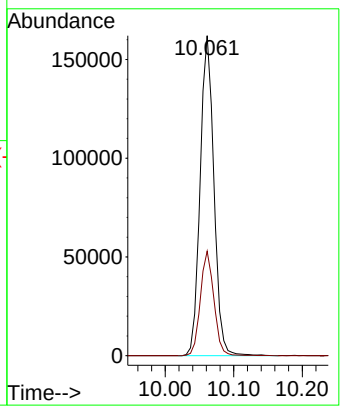
Tgt Ion:112 Resp: 22695

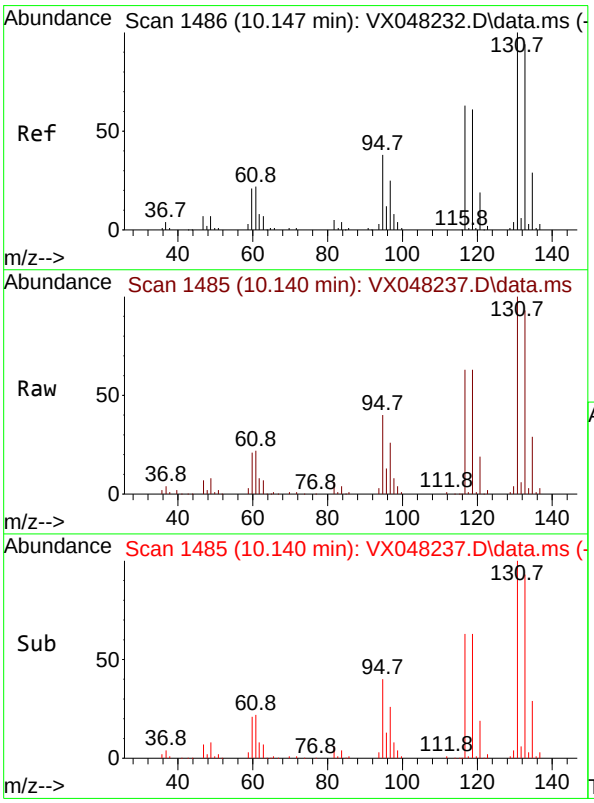
Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.2	39.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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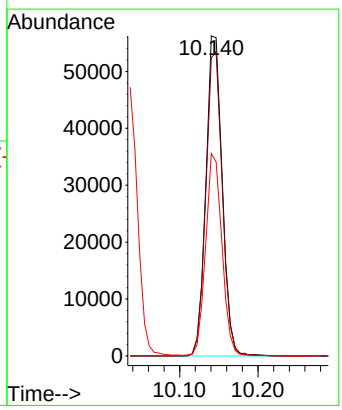


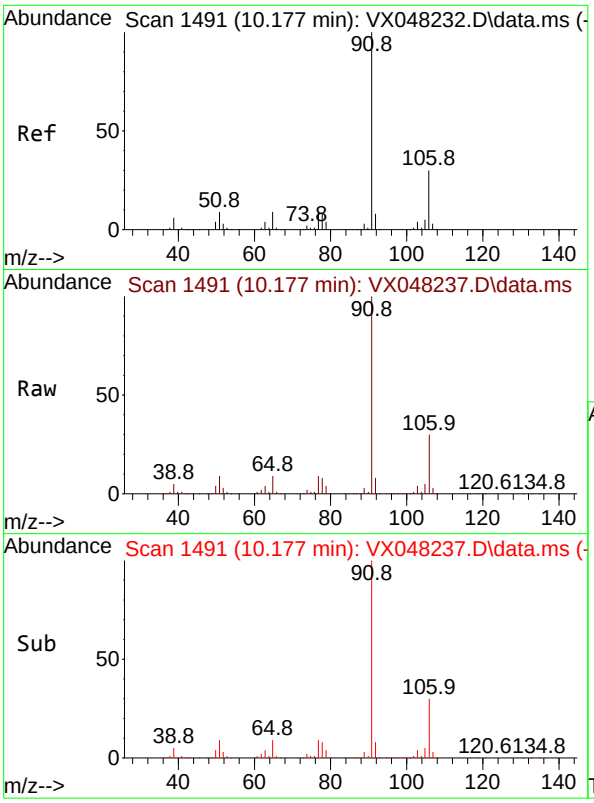


#66
1,1,1,2-Tetrachloroethane
Concen: 49.014 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:131 Resp: 81561

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.6	142.8
119	63.3	32.5	97.5

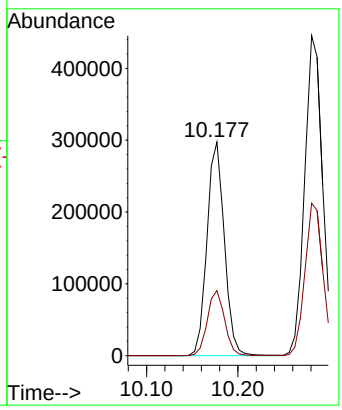




#67
Ethyl Benzene
Concen: 50.798 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 91 Resp: 39183

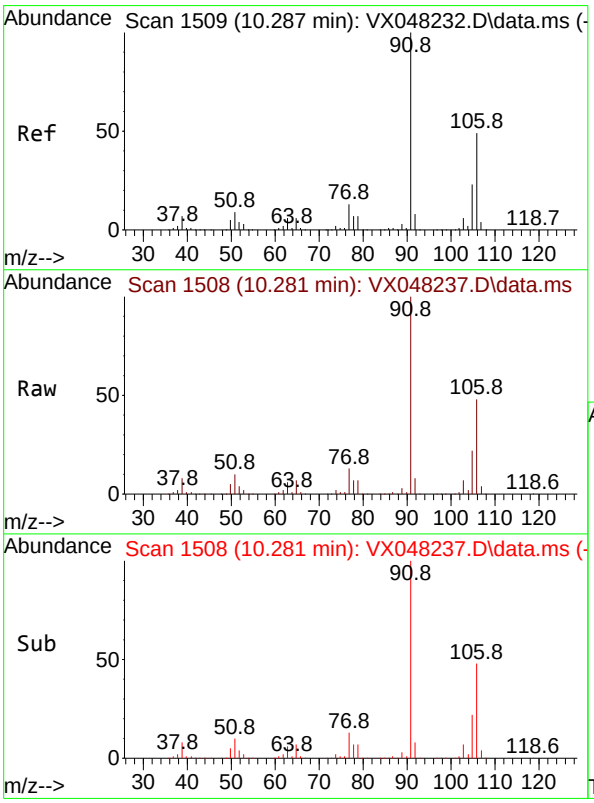
Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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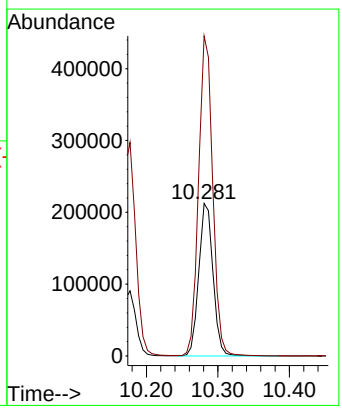
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

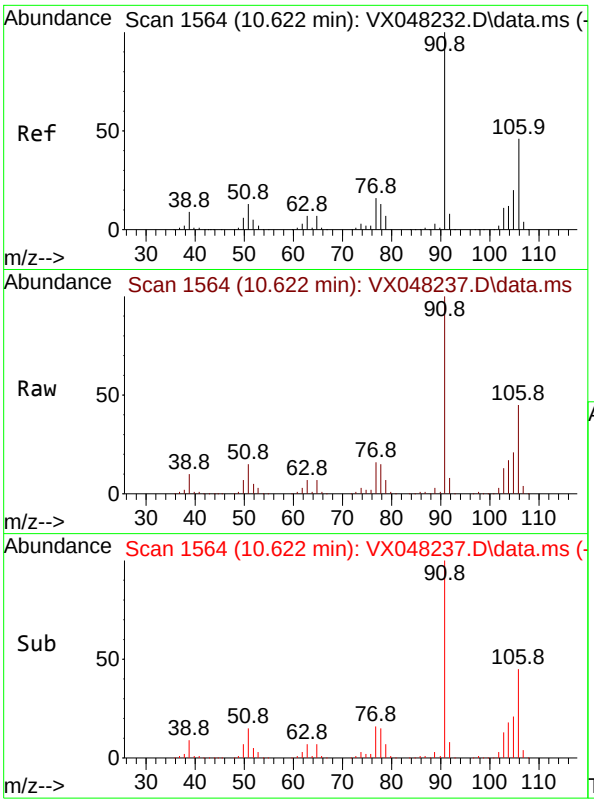


#68
m/p-Xylenes
Concen: 102.416 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:106 Resp: 293516

Ion	Ratio	Lower	Upper
106	100		
91	208.2	167.9	251.9





#69
o-Xylene
Concen: 50.424 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

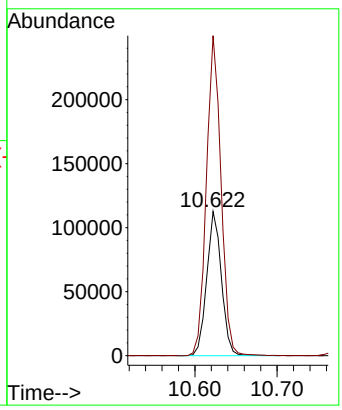
Tgt Ion:106 Resp: 13951

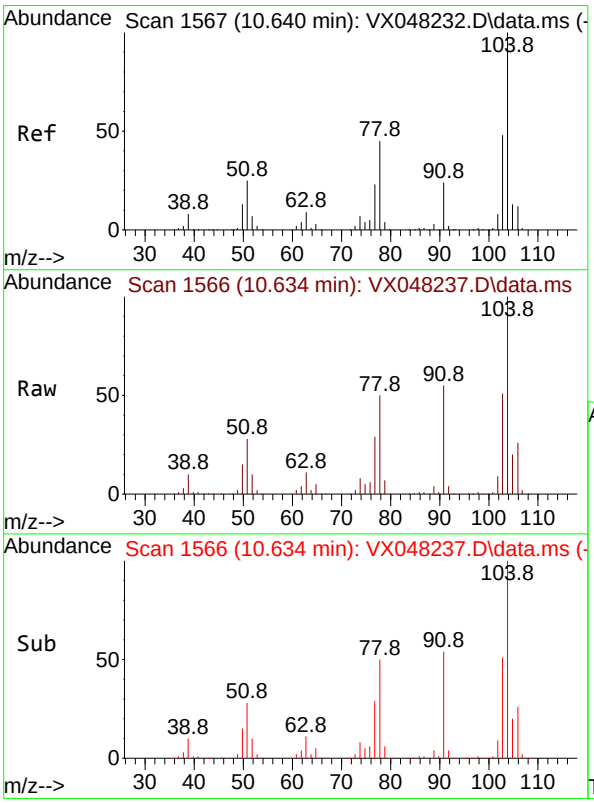
Ion	Ratio	Lower	Upper
106	100		
91	221.1	111.3	333.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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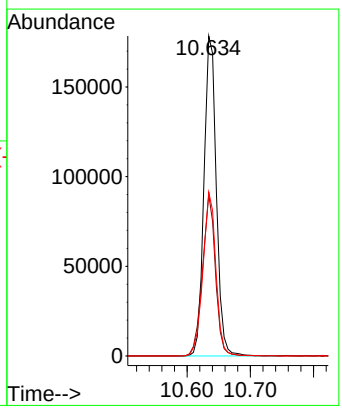


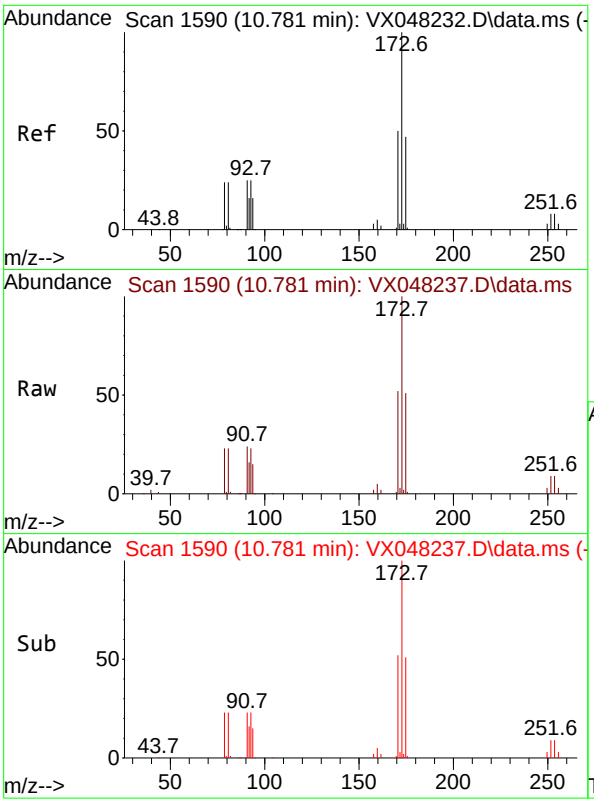


#70
Styrene
Concen: 51.651 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:104 Resp: 243341

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	53.8	43.0	64.4

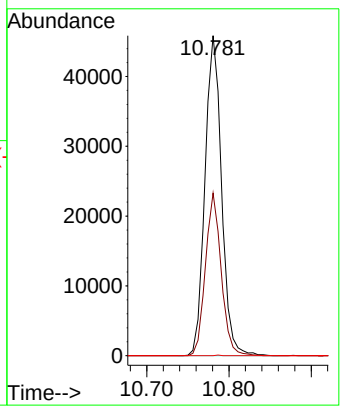




#71
Bromoform
Concen: 48.250 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:173 Resp: 6417

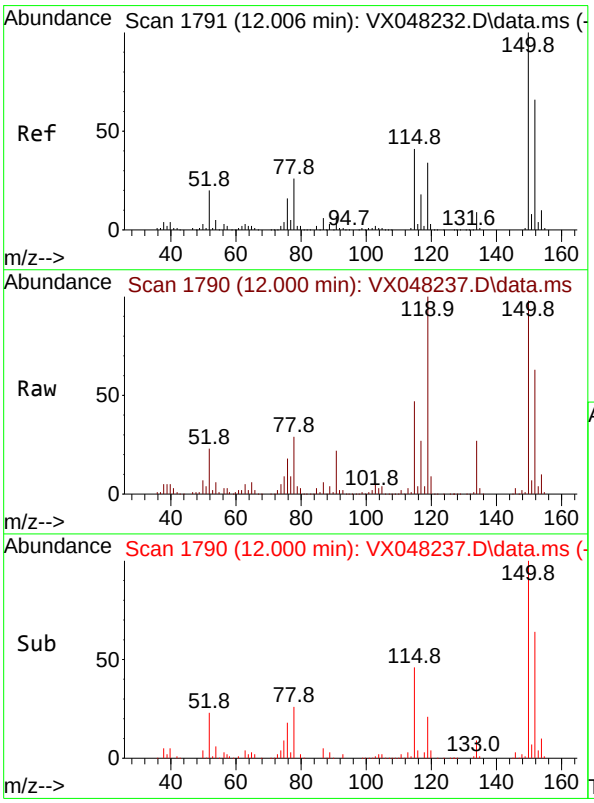
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.0	72.0
254	0.1	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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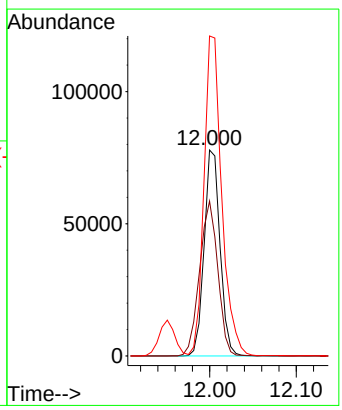
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

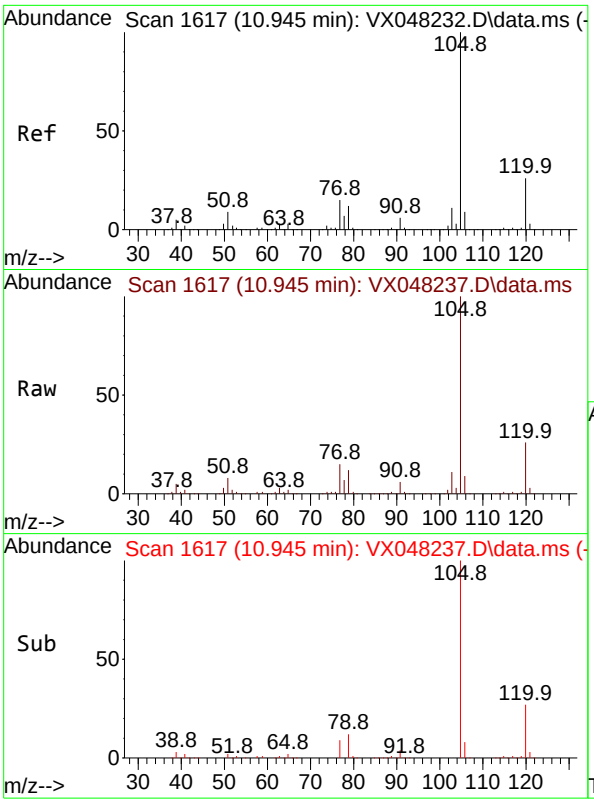


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.000 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:152 Resp: 99108

Ion	Ratio	Lower	Upper
152	100		
115	86.2	43.1	129.4
150	173.4	0.0	353.0





#73
Isopropylbenzene
Concen: 51.658 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

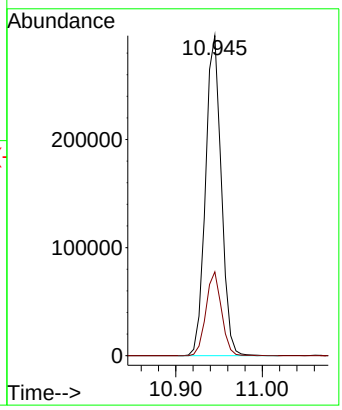
Tgt Ion:105 Resp: 37394

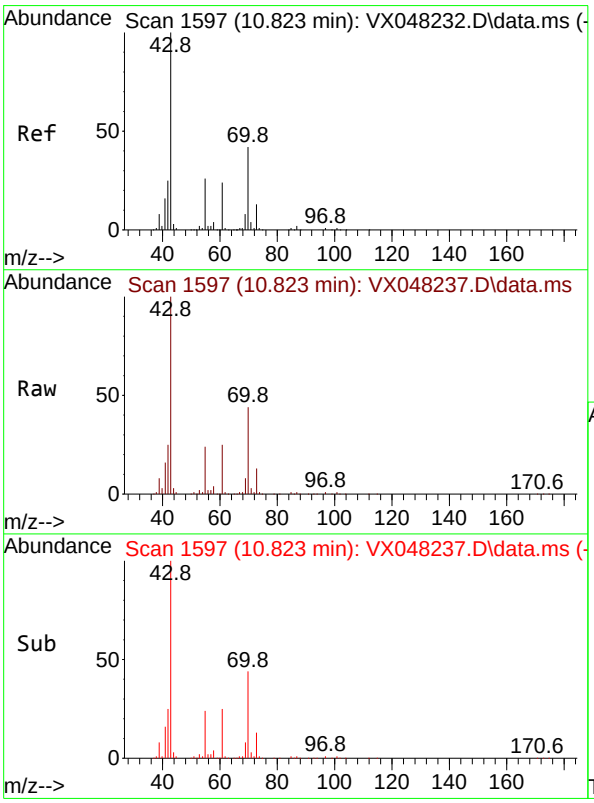
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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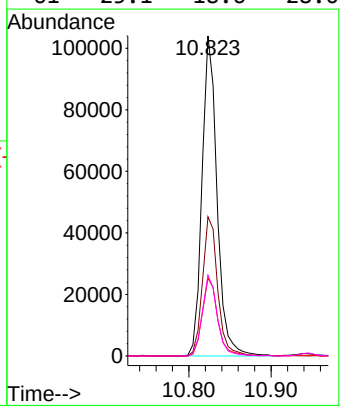


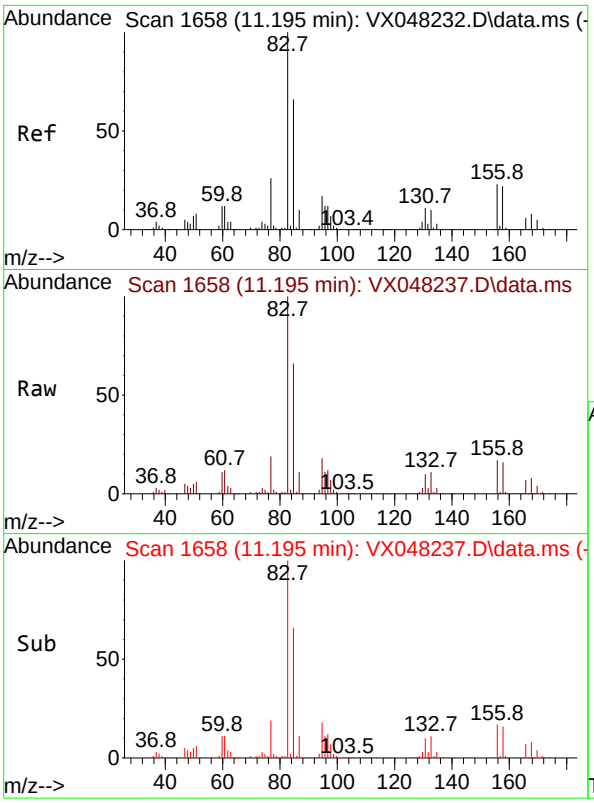


#74
N-amyl acetate
Concen: 51.399 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 43 Resp: 131979

Ion	Ratio	Lower	Upper
43	100		
70	44.1	32.2	48.2
55	25.0	19.1	28.7
61	25.1	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 49.936 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

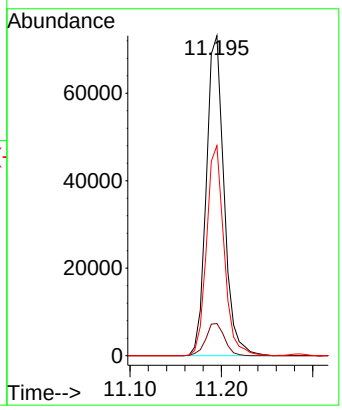
Tgt Ion: 83 Resp: 9871

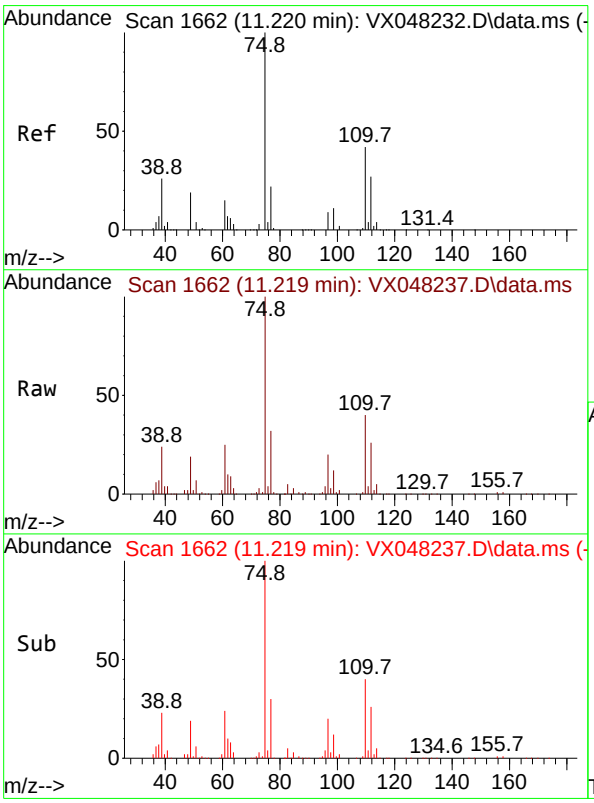
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.8	14.4
85	64.8	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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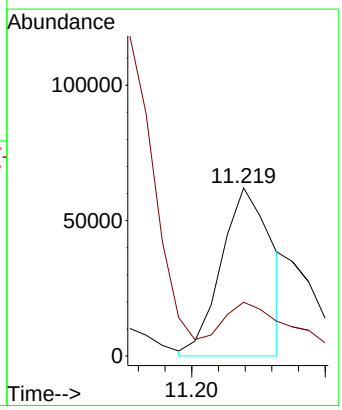


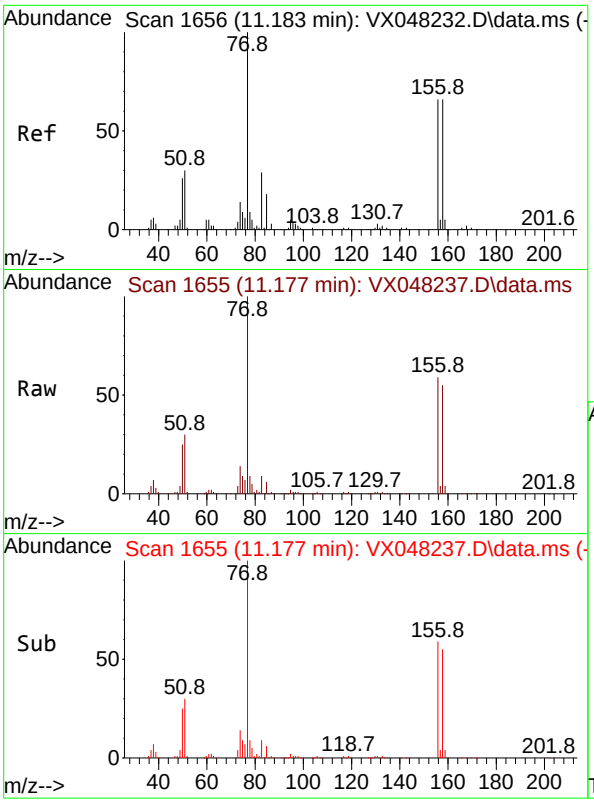


#76
1,2,3-Trichloropropane
Concen: 50.456 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 81093

Ion	Ratio	Lower	Upper
75	100		
77	45.4	22.4	67.2





#77
Bromobenzene
Concen: 50.135 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

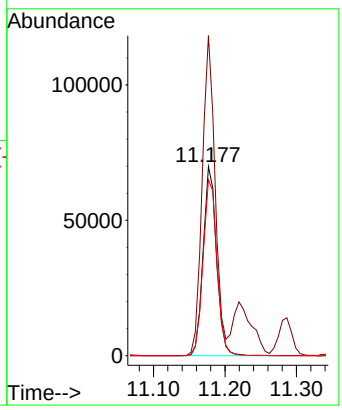
Tgt Ion:156 Resp: 9100

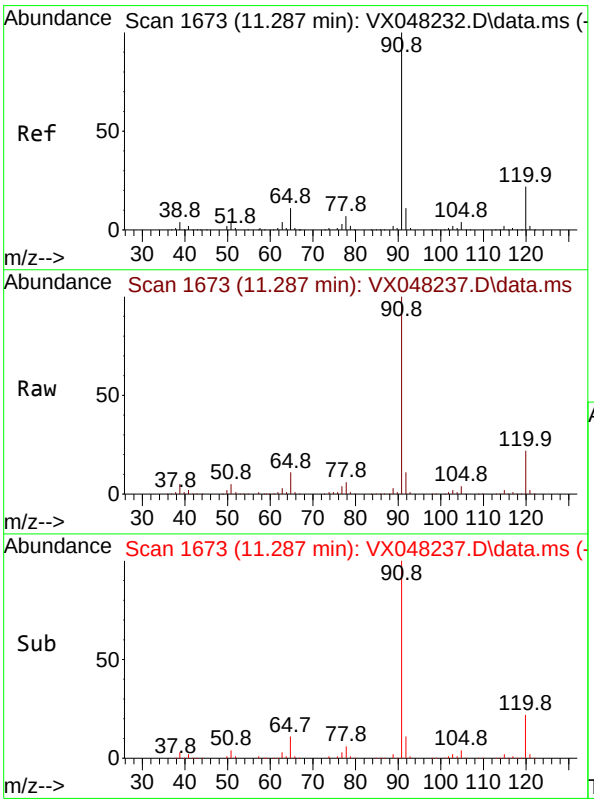
Ion	Ratio	Lower	Upper
156	100		
77	162.5	87.0	261.0
158	96.4	47.8	143.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

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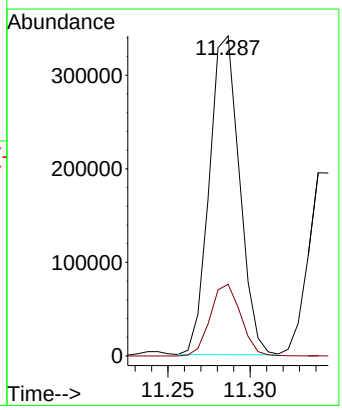


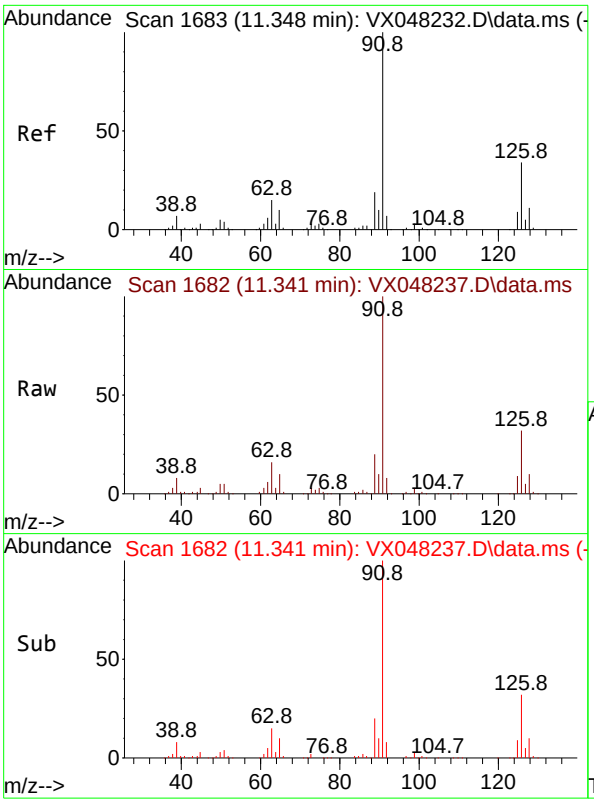


#78
n-propylbenzene
Concen: 51.980 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 91 Resp: 435662

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1





#79
2-Chlorotoluene
Concen: 50.760 ug/l
RT: 11.341 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

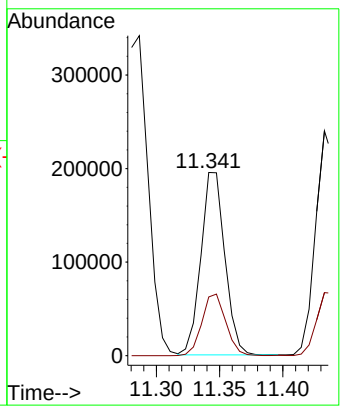
Tgt Ion: 91 Resp: 25793

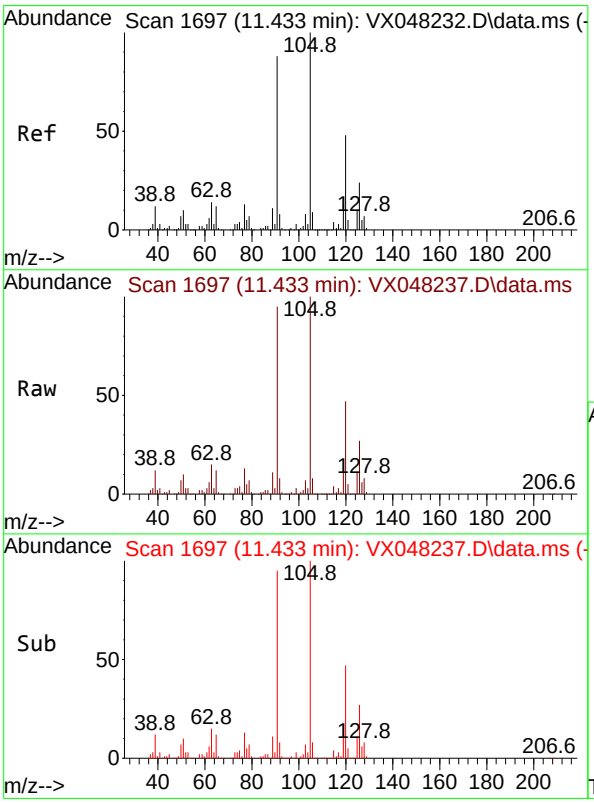
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
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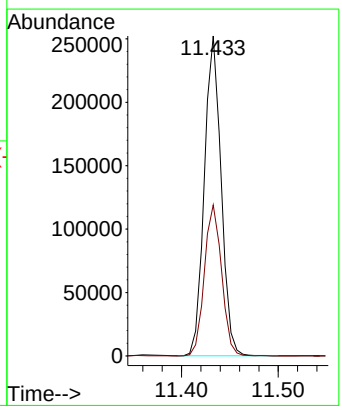


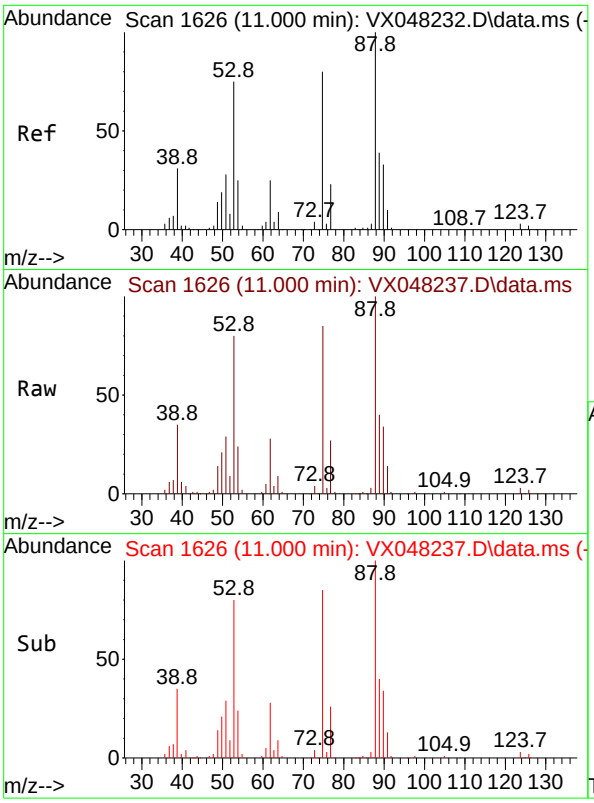


#80
1,3,5-Trimethylbenzene
Concen: 50.918 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:105 Resp: 305027

Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 49.995 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

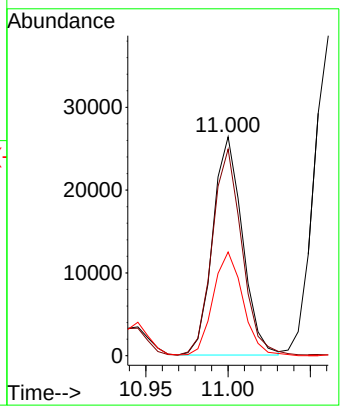
Tgt Ion: 75 Resp: 3302

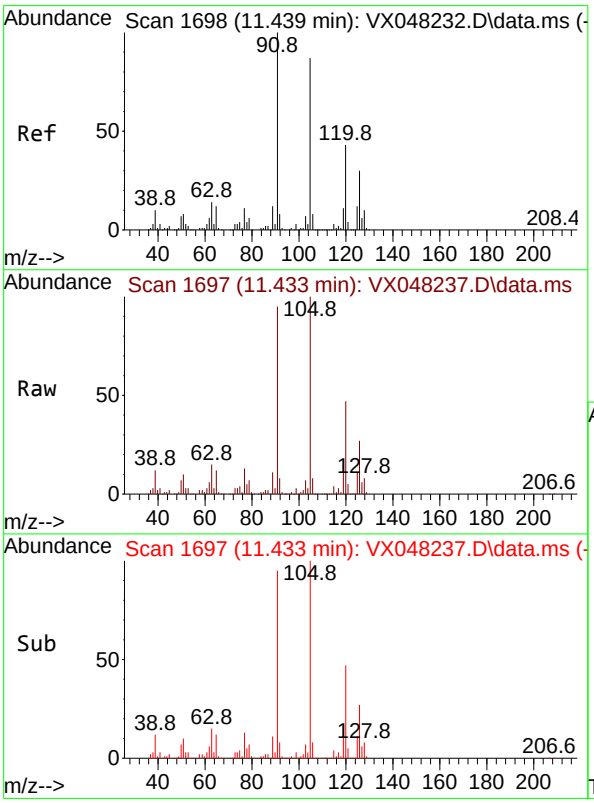
Ion	Ratio	Lower	Upper
75	100		
53	95.4	79.5	119.3
89	48.1	36.8	55.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

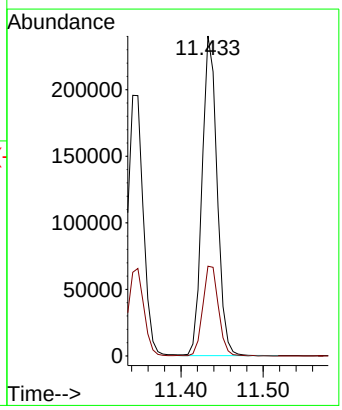


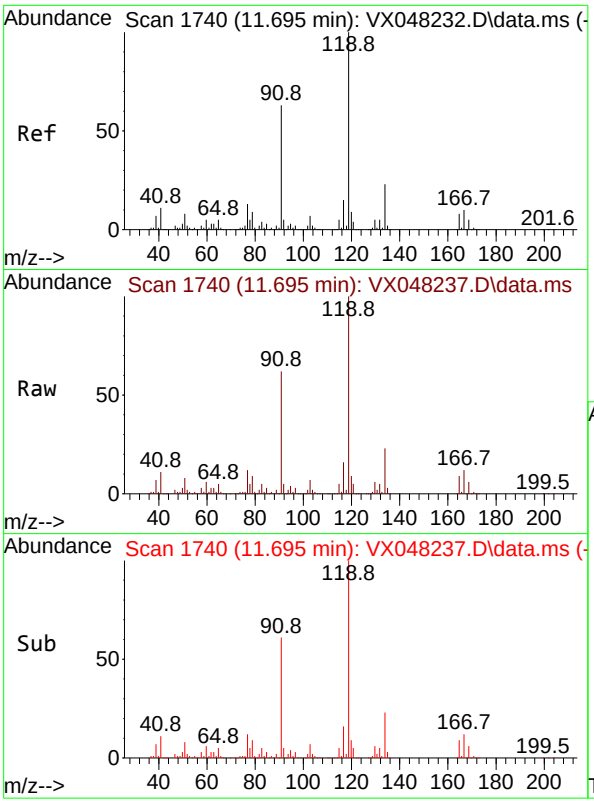


#82
4-Chlorotoluene
Concen: 50.507 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 91 Resp: 304670

Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.1	42.4

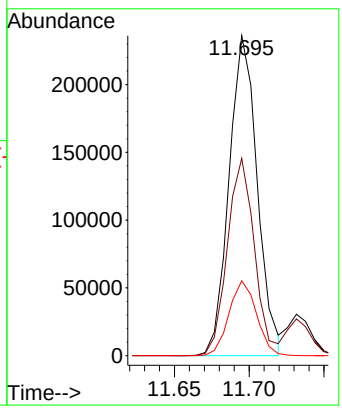




#83
tert-Butylbenzene
Concen: 50.288 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:119 Resp: 30952

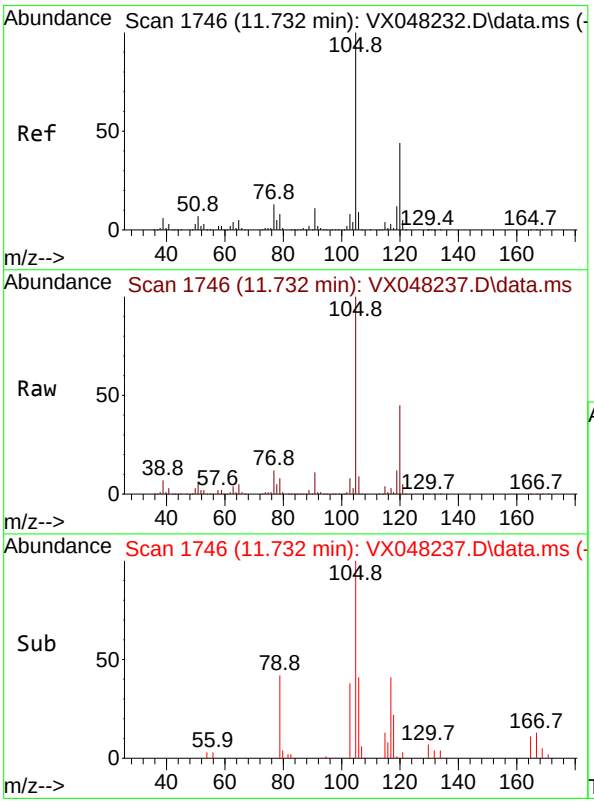
Ion	Ratio	Lower	Upper
119	100		
91	59.2	30.3	91.0
134	22.9	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

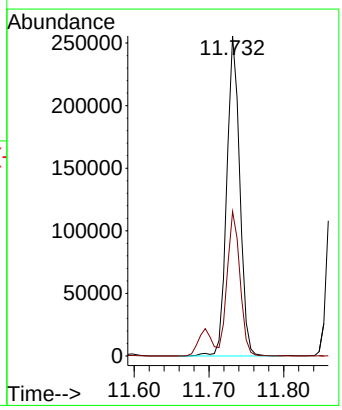
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

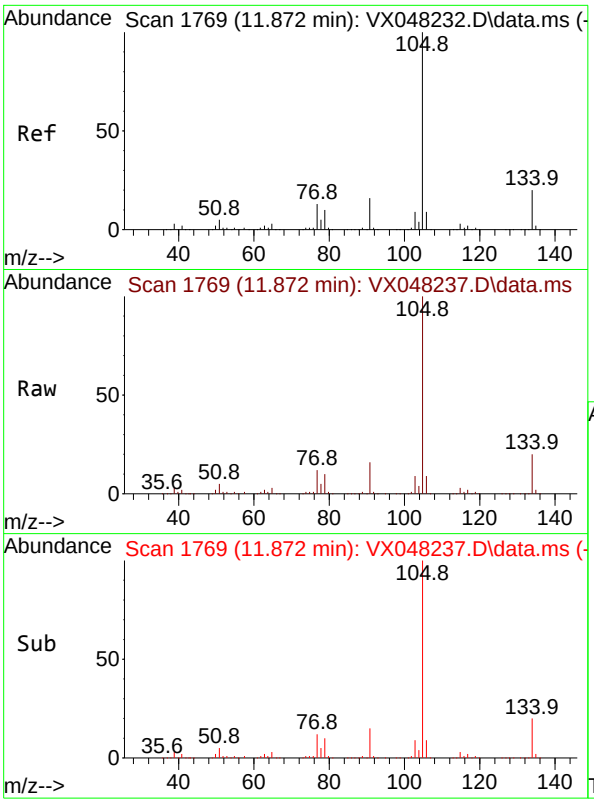


#84
1,2,4-Trimethylbenzene
Concen: 51.607 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:105 Resp: 308529

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5

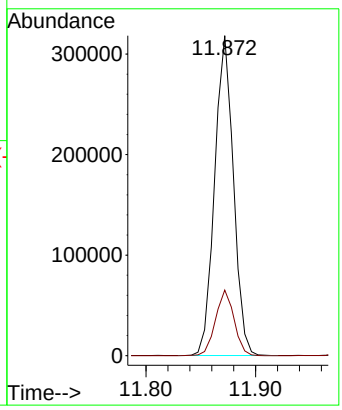




#85
sec-Butylbenzene
Concen: 51.230 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:105 Resp: 37936

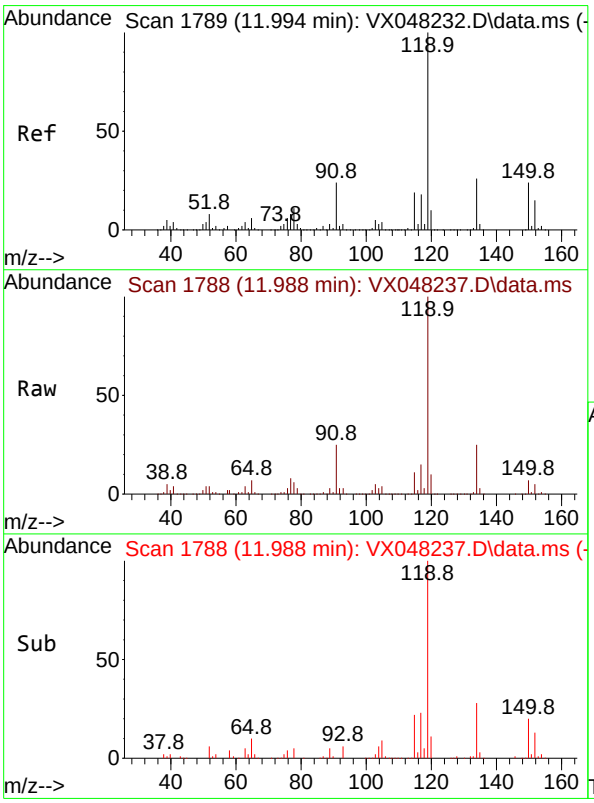
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

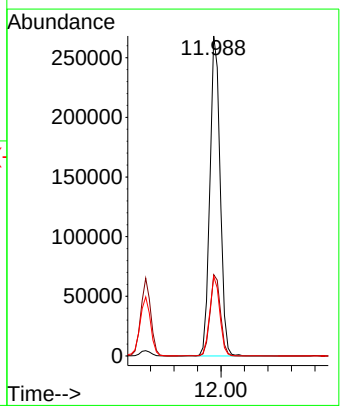
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

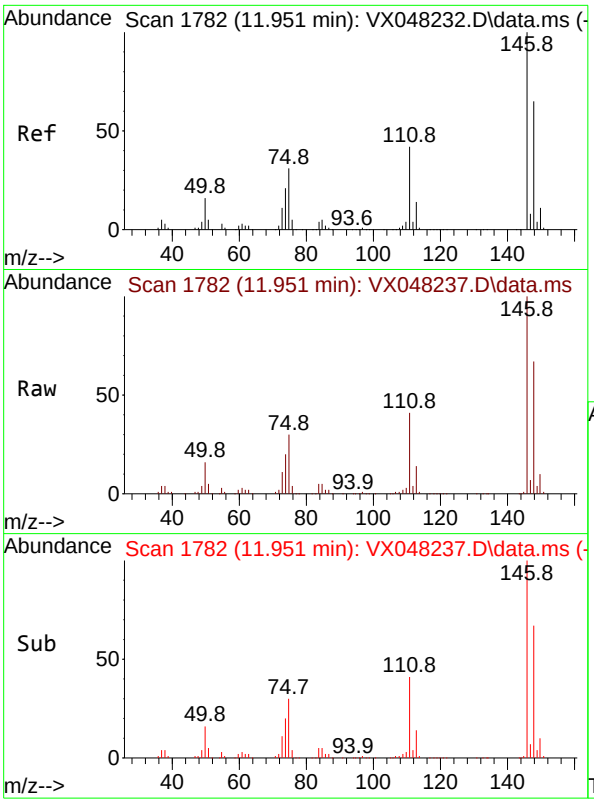


#86
p-Isopropyltoluene
Concen: 50.686 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:119 Resp: 324425

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	24.3	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 48.229 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

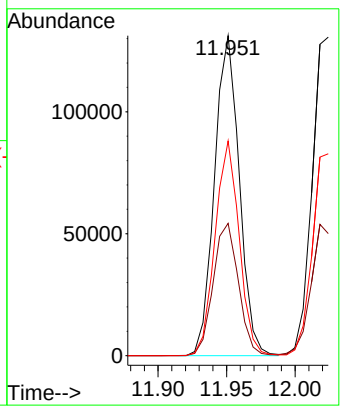
Tgt Ion:146 Resp: 16502

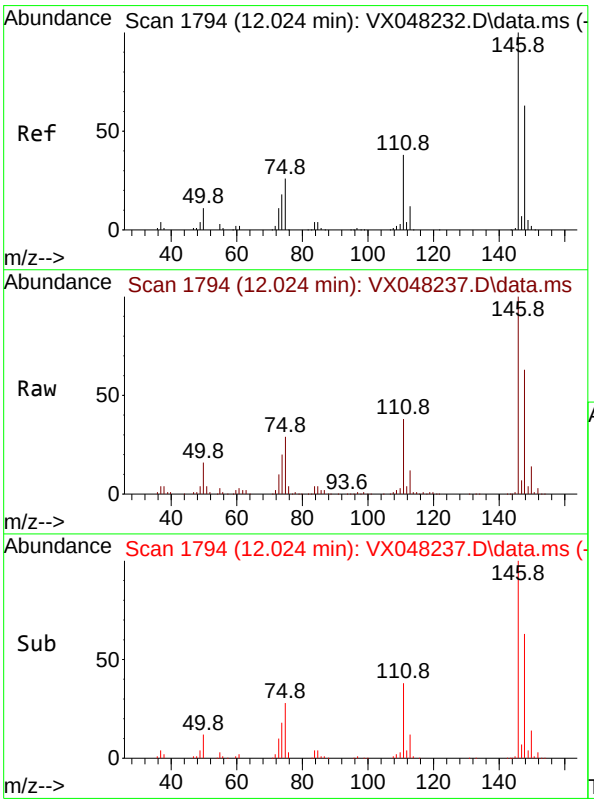
Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.4	61.2
148	65.3	31.9	95.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

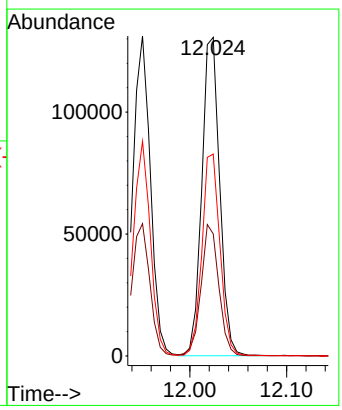


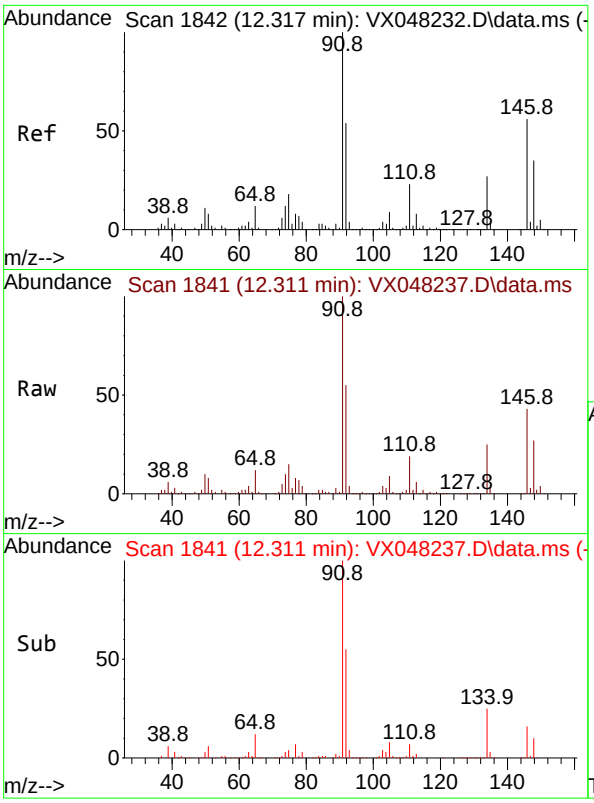


#88
1,4-Dichlorobenzene
Concen: 47.423 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:146 Resp: 168102

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.1	60.2
148	63.9	31.8	95.3





#89
n-Butylbenzene
Concen: 49.728 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

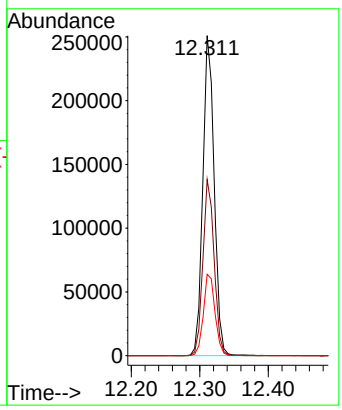
Tgt Ion: 91 Resp: 28970

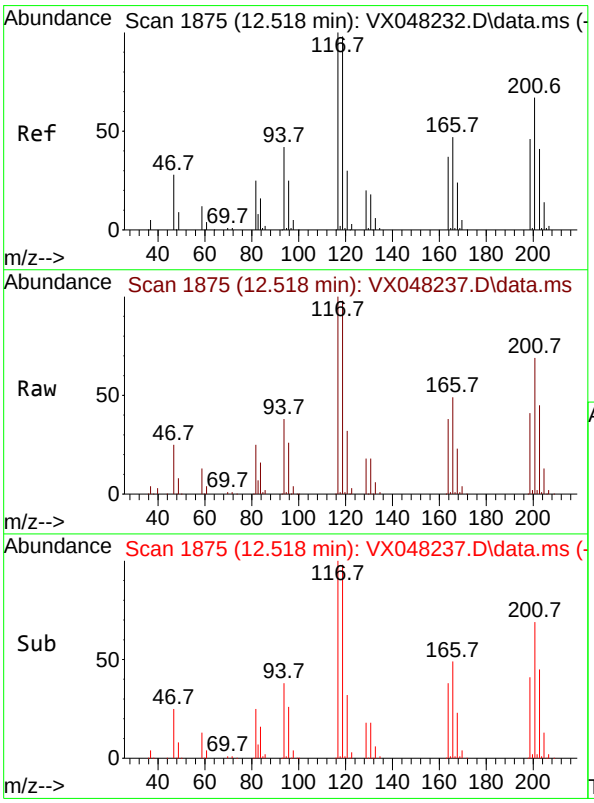
Ion	Ratio	Lower	Upper
91	100		
92	54.7	26.9	80.6
134	26.1	12.7	38.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

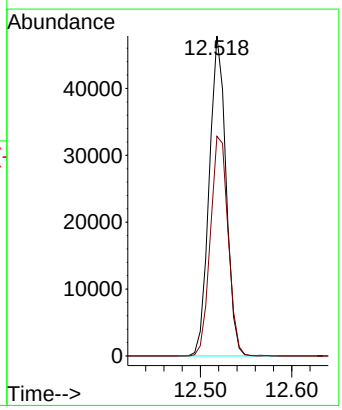


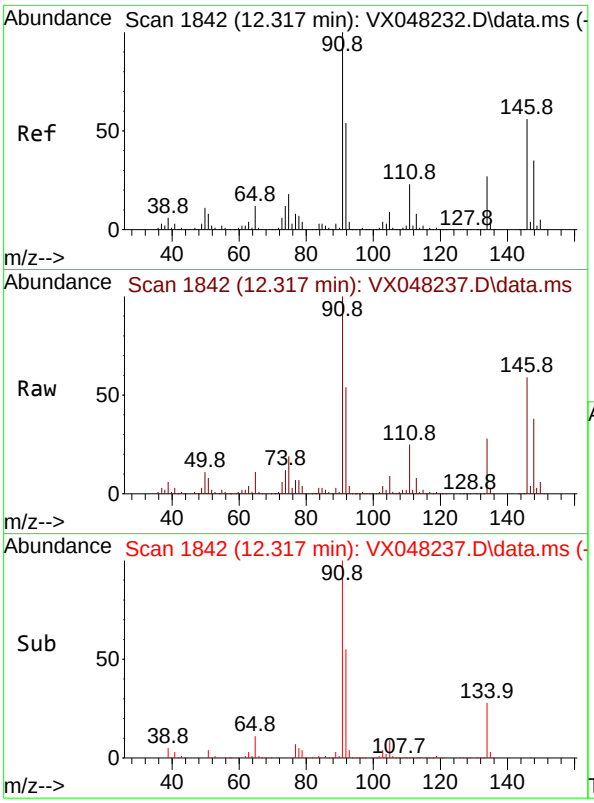


#90
Hexachloroethane
Concen: 48.437 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:117 Resp: 61223

Ion	Ratio	Lower	Upper
117	100		
201	72.4	34.1	102.2

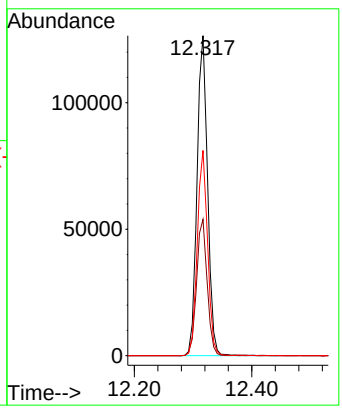




#91
1,2-Dichlorobenzene
Concen: 49.123 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:146 Resp: 15781

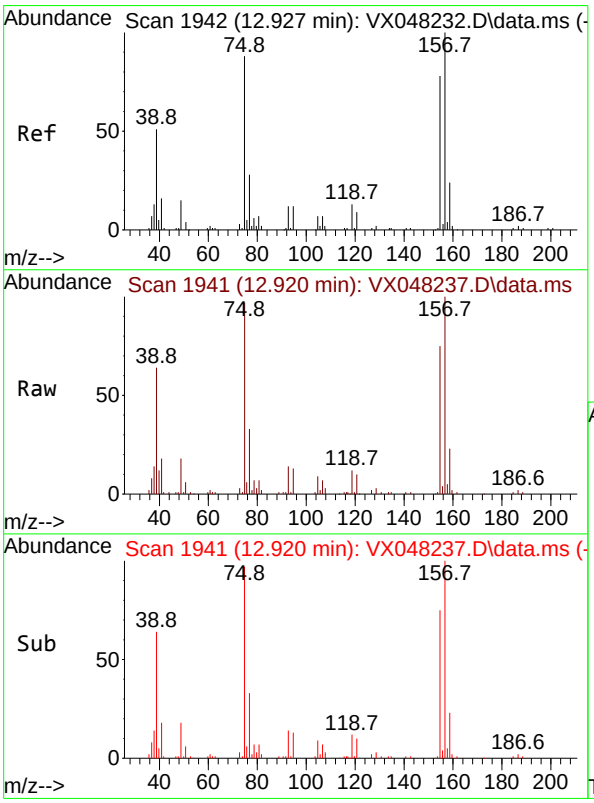
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.9	65.5
148	62.8	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

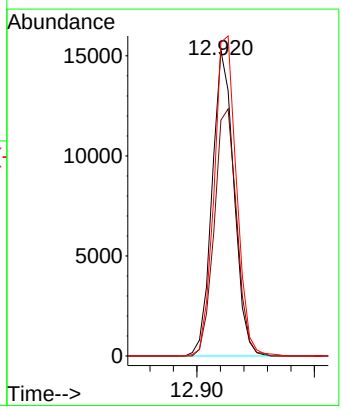
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

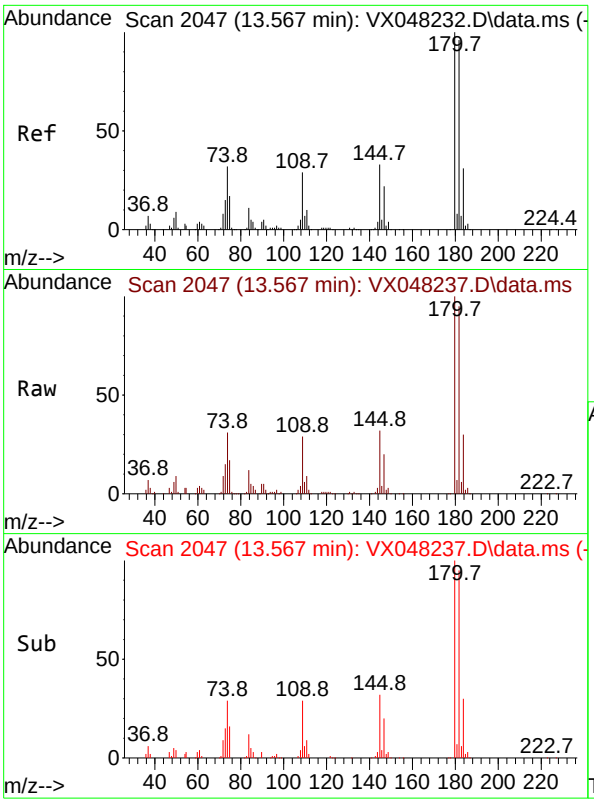


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.072 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion: 75 Resp: 19691

Ion	Ratio	Lower	Upper
75	100		
155	83.2	42.8	128.4
157	107.6	54.2	162.6





#93
1,2,4-Trichlorobenzene
Concen: 46.941 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

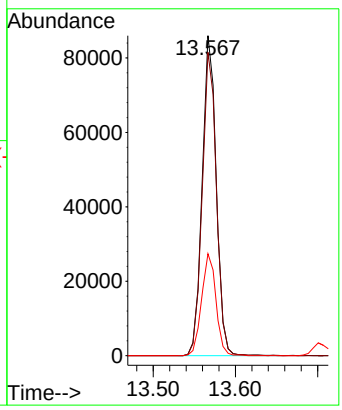
Tgt Ion:180 Resp: 10198

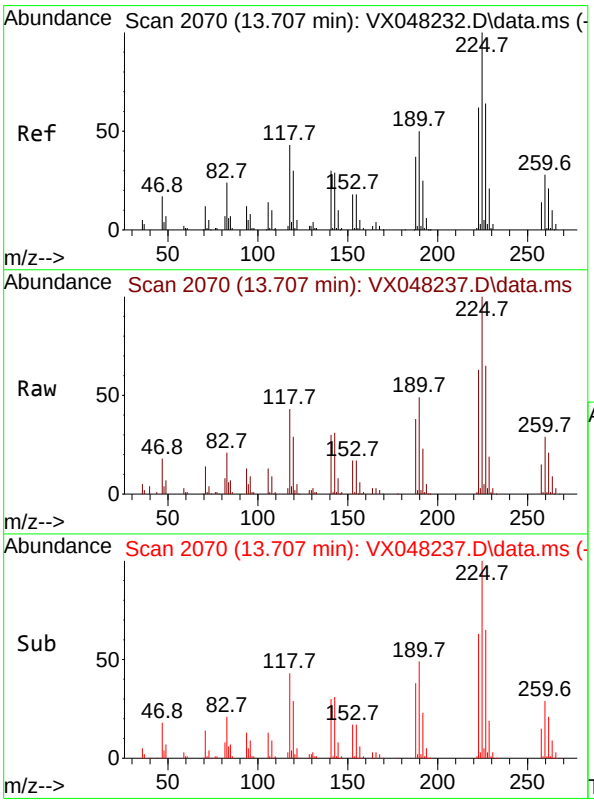
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	142.0
145	32.5	16.3	48.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

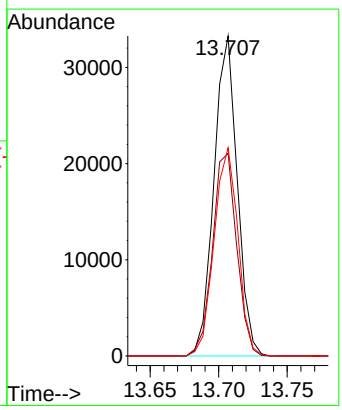


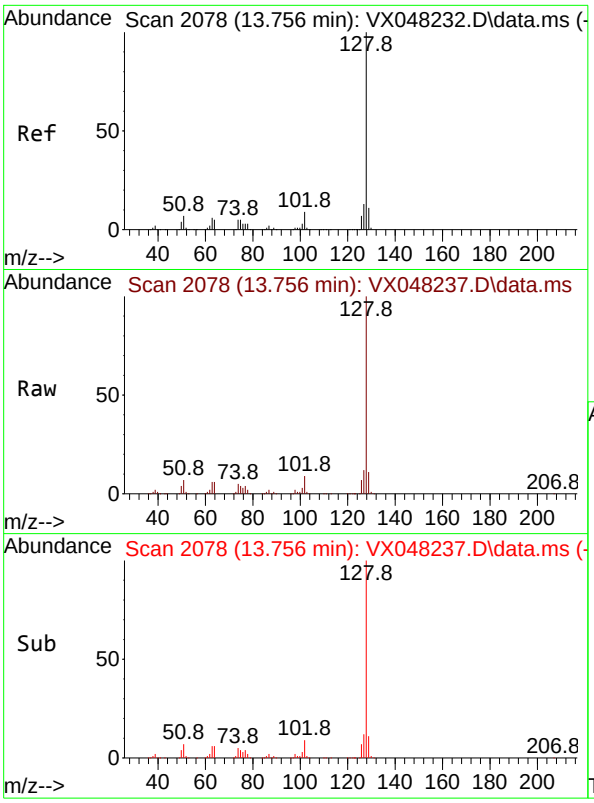


#94
Hexachlorobutadiene
Concen: 48.274 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:225 Resp: 39299

Ion	Ratio	Lower	Upper
225	100		
223	65.8	32.6	97.7
227	66.5	32.5	97.4

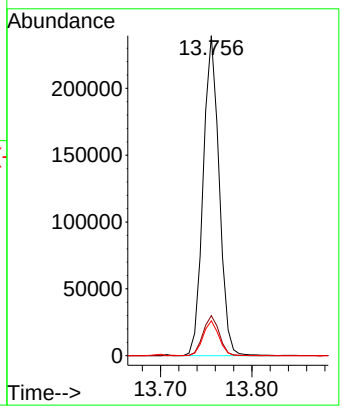




#95
Naphthalene
Concen: 50.362 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:128 Resp: 28988

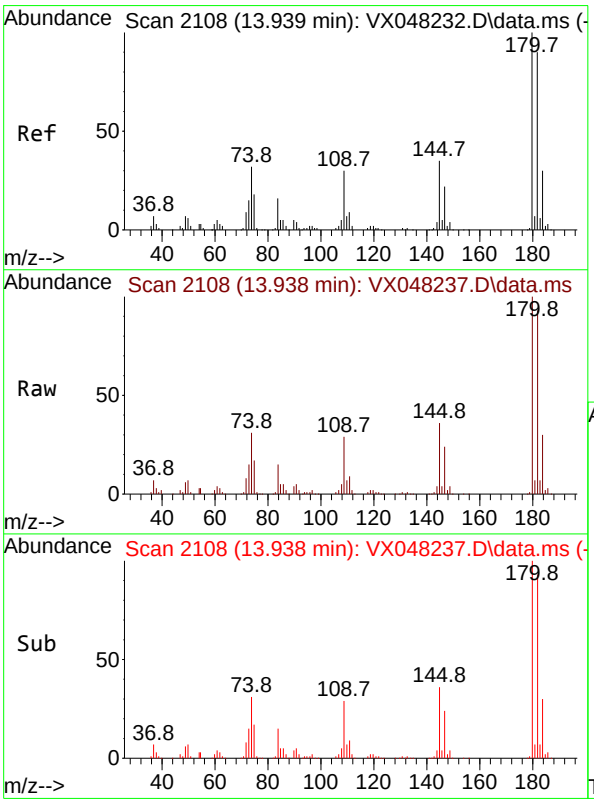
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

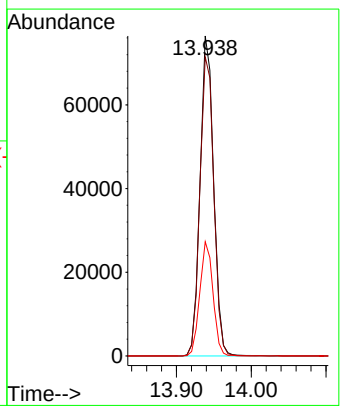
Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.223 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048237.D
Acq: 20 Oct 2025 14:28

Tgt Ion:180 Resp: 96139

Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.6	139.7
145	34.8	16.9	50.7



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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	116	-0.01
2	T	Dichlorodifluoromethane	0.514	0.528	-2.7	127	0.00
3	P	Chloromethane	0.480	0.513	-6.9	133	0.00
4	C	Vinyl Chloride	0.444	0.493	-11.0#	138	0.00
5	T	Bromomethane	0.302	0.331	-9.6	136	0.00
6	T	Chloroethane	0.261	0.294	-12.6	139	0.00
7	T	Trichlorofluoromethane	0.852	0.890	-4.5	128	0.00
8	T	Diethyl Ether	0.240	0.258	-7.5	135	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.540	0.578	-7.0	134	0.00
10	T	Methyl Iodide	0.678	0.651	4.0	114	0.00
11	T	Tert butyl alcohol	0.070	0.062	11.4	117	0.00
12	CM	1,1-Dichloroethene	0.525	0.546	-4.0#	131	0.00
13	T	Acrolein	0.071	0.071	0.0	126	0.00
14	T	Allyl chloride	0.872	0.891	-2.2	129	0.00
15	T	Acrylonitrile	0.251	0.252	-0.4	122	0.00
16	T	Acetone	0.240	0.211	12.1	121	0.00
17	T	Carbon Disulfide	1.654	1.614	2.4	130	0.00
18	T	Methyl Acetate	0.502	0.494	1.6	123	0.00
19	T	Methyl tert-butyl Ether	1.791	1.761	1.7	120	0.00
20	T	Methylene Chloride	0.586	0.598	-2.0	126	0.00
21	T	trans-1,2-Dichloroethene	0.577	0.587	-1.7	128	0.00
22	T	Diisopropyl ether	1.738	1.796	-3.3	126	0.00
23	T	Vinyl Acetate	1.389	1.445	-4.0	125	0.00
24	P	1,1-Dichloroethane	1.051	1.040	1.0	124	0.00
25	T	2-Butanone	0.304	0.290	4.6	120	0.00
26	T	2,2-Dichloropropane	0.949	0.915	3.6	121	0.00
27	T	cis-1,2-Dichloroethene	0.673	0.678	-0.7	126	-0.01
28	T	Bromochloromethane	0.436	0.406	6.9	107	0.00
29	T	Tetrahydrofuran	0.182	0.177	2.7	120	-0.01
30	C	Chloroform	1.123	1.088	3.1#	121	0.00
31	T	Cyclohexane	0.870	0.916	-5.3	130	0.00
32	T	1,1,1-Trichloroethane	1.035	1.000	3.4	120	-0.01
33	S	1,2-Dichloroethane-d4	0.701	0.641	8.6	109	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	114	0.00
35	S	Dibromofluoromethane	0.341	0.334	2.1	115	0.00
36	T	1,1-Dichloropropene	0.485	0.479	1.2	126	-0.01
37	T	Ethyl Acetate	0.402	0.384	4.5	119	0.00
38	T	Carbon Tetrachloride	0.599	0.577	3.7	119	0.00
39	T	Methylcyclohexane	0.573	0.604	-5.4	127	0.00
40	TM	Benzene	1.409	1.415	-0.4	124	0.00
41	T	Methacrylonitrile	0.211	0.213	-0.9	118	-0.01
42	TM	1,2-Dichloroethane	0.520	0.509	2.1	116	0.00
43	T	Isopropyl Acetate	0.661	0.658	0.5	118	0.00
44	TM	Trichloroethene	0.372	0.376	-1.1	123	0.00
45	C	1,2-Dichloropropane	0.335	0.342	-2.1#	121	0.00
46	T	Dibromomethane	0.261	0.255	2.3	118	0.00
47	T	Bromodichloromethane	0.563	0.546	3.0	115	0.00
48	T	Methyl methacrylate	0.333	0.330	0.9	117	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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	0.004	0.004	0.0	113	0.00
50	S	Toluene-d8	1.196	1.158	3.2	111	0.00
51	T	4-Methyl-2-Pentanone	0.381	0.373	2.1	113	0.00
52	CM	Toluene	0.895	0.896	-0.1#	118	0.00
53	T	t-1,3-Dichloropropene	0.543	0.543	0.0	113	0.00
54	T	cis-1,3-Dichloropropene	0.586	0.585	0.2	116	0.00
55	T	1,1,2-Trichloroethane	0.333	0.330	0.9	117	0.00
56	T	Ethyl methacrylate	0.487	0.486	0.2	113	0.00
57	T	1,3-Dichloropropane	0.568	0.560	1.4	116	0.00
58	T	2-Chloroethyl Vinyl ether	0.232	0.253	-9.1	111	0.00
59	T	2-Hexanone	0.266	0.261	1.9	112	0.00
60	T	Dibromochloromethane	0.447	0.425	4.9	114	0.00
61	T	1,2-Dibromoethane	0.355	0.350	1.4	116	0.00
62	S	4-Bromofluorobenzene	0.455	0.426	6.4	109	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64	T	Tetrachloroethene	0.373	0.363	2.7	121	0.00
65	PM	Chlorobenzene	1.125	1.127	-0.2	118	0.00
66	T	1,1,1,2-Tetrachloroethane	0.413	0.405	1.9	113	0.00
67	C	Ethyl Benzene	1.915	1.946	-1.6#	116	0.00
68	T	m/p-Xylenes	0.712	0.729	-2.4	116	0.00
69	T	o-Xylene	0.687	0.693	-0.9	114	0.00
70	T	Styrene	1.170	1.208	-3.2	115	0.00
71	P	Bromoform	0.330	0.319	3.3	113	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.652	3.773	-3.3	118	0.00
74	T	N-amyl acetate	1.295	1.332	-2.9	114	0.00
75	P	1,1,2,2-Tetrachloroethane	0.997	0.996	0.1	113	0.00
76	T	1,2,3-Trichloropropane	0.811	0.818	-0.9	119	0.00
77	T	Bromobenzene	0.916	0.918	-0.2	114	0.00
78	T	n-propylbenzene	4.228	4.396	-4.0	117	0.00
79	T	2-Chlorotoluene	2.564	2.603	-1.5	116	0.00
80	T	1,3,5-Trimethylbenzene	3.022	3.078	-1.9	115	0.00
81	T	trans-1,4-Dichloro-2-butene	0.333	0.333	0.0	113	0.00
82	T	4-Chlorotoluene	3.043	3.074	-1.0	114	0.00
83	T	tert-Butylbenzene	3.105	3.123	-0.6	115	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.113	-3.2	116	0.00
85	T	sec-Butylbenzene	3.736	3.828	-2.5	118	0.00
86	T	p-Isopropyltoluene	3.229	3.273	-1.4	117	0.00
87	T	1,3-Dichlorobenzene	1.726	1.665	3.5	115	0.00
88	T	1,4-Dichlorobenzene	1.788	1.696	5.1	115	0.00
89	T	n-Butylbenzene	2.939	2.923	0.5	119	0.00
90	T	Hexachloroethane	0.638	0.618	3.1	116	0.00
91	T	1,2-Dichlorobenzene	1.621	1.592	1.8	114	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.202	0.199	1.5	109	0.00
93	T	1,2,4-Trichlorobenzene	1.096	1.029	6.1	115	0.00
94	T	Hexachlorobutadiene	0.507	0.397	21.7	114	0.00
95	T	Naphthalene	2.904	2.925	-0.7	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	0.970	3.6	114	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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	116	-0.01
2	T	Dichlorodifluoromethane	50.000	51.331	-2.7	127	0.00
3	P	Chloromethane	50.000	53.491	-7.0	133	0.00
4	C	Vinyl Chloride	50.000	55.441	-10.9#	138	0.00
5	T	Bromomethane	50.000	54.847	-9.7	136	0.00
6	T	Chloroethane	50.000	56.320	-12.6	139	0.00
7	T	Trichlorofluoromethane	50.000	52.209	-4.4	128	0.00
8	T	Diethyl Ether	50.000	53.742	-7.5	135	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.589	-7.2	134	0.00
10	T	Methyl Iodide	50.000	47.994	4.0	114	0.00
11	T	Tert butyl alcohol	250.000	223.693	10.5	117	0.00
12	CM	1,1-Dichloroethene	50.000	52.043	-4.1#	131	0.00
13	T	Acrolein	250.000	249.473	0.2	126	0.00
14	T	Allyl chloride	50.000	51.099	-2.2	129	0.00
15	T	Acrylonitrile	250.000	250.900	-0.4	122	0.00
16	T	Acetone	250.000	219.789	12.1	121	0.00
17	T	Carbon Disulfide	50.000	48.792	2.4	130	0.00
18	T	Methyl Acetate	50.000	49.190	1.6	123	0.00
19	T	Methyl tert-butyl Ether	50.000	49.162	1.7	120	0.00
20	T	Methylene Chloride	50.000	51.066	-2.1	126	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.932	-1.9	128	0.00
22	T	Diisopropyl ether	50.000	51.665	-3.3	126	0.00
23	T	Vinyl Acetate	250.000	260.168	-4.1	125	0.00
24	P	1,1-Dichloroethane	50.000	49.490	1.0	124	0.00
25	T	2-Butanone	250.000	238.354	4.7	120	0.00
26	T	2,2-Dichloropropane	50.000	48.230	3.5	121	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.350	-0.7	126	-0.01
28	T	Bromochloromethane	50.000	46.587	6.8	107	0.00
29	T	Tetrahydrofuran	250.000	242.572	3.0	120	-0.01
30	C	Chloroform	50.000	48.427	3.1#	121	0.00
31	T	Cyclohexane	50.000	52.646	-5.3	130	0.00
32	T	1,1,1-Trichloroethane	50.000	48.309	3.4	120	-0.01
33	S	1,2-Dichloroethane-d4	50.000	45.687	8.6	109	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	114	0.00
35	S	Dibromofluoromethane	50.000	48.951	2.1	115	0.00
36	T	1,1-Dichloropropene	50.000	49.344	1.3	126	-0.01
37	T	Ethyl Acetate	50.000	47.684	4.6	119	0.00
38	T	Carbon Tetrachloride	50.000	48.228	3.5	119	0.00
39	T	Methylcyclohexane	50.000	52.670	-5.3	127	0.00
40	TM	Benzene	50.000	50.241	-0.5	124	0.00
41	T	Methacrylonitrile	50.000	50.358	-0.7	118	-0.01
42	TM	1,2-Dichloroethane	50.000	48.963	2.1	116	0.00
43	T	Isopropyl Acetate	50.000	49.816	0.4	118	0.00
44	TM	Trichloroethene	50.000	50.582	-1.2	123	0.00
45	C	1,2-Dichloropropane	50.000	50.994	-2.0#	121	0.00
46	T	Dibromomethane	50.000	48.913	2.2	118	0.00
47	T	Bromodichloromethane	50.000	48.459	3.1	115	0.00
48	T	Methyl methacrylate	50.000	49.519	1.0	117	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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	1000.197	-0.0	113	0.00
50	S	Toluene-d8	50.000	48.386	3.2	111	0.00
51	T	4-Methyl-2-Pentanone	250.000	244.897	2.0	113	0.00
52	CM	Toluene	50.000	50.088	-0.2#	118	0.00
53	T	t-1,3-Dichloropropene	50.000	50.004	-0.0	113	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.944	0.1	116	0.00
55	T	1,1,2-Trichloroethane	50.000	49.597	0.8	117	0.00
56	T	Ethyl methacrylate	50.000	49.964	0.1	113	0.00
57	T	1,3-Dichloropropane	50.000	49.226	1.5	116	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	242.124	3.2	111	0.00
59	T	2-Hexanone	250.000	246.102	1.6	112	0.00
60	T	Dibromochloromethane	50.000	47.530	4.9	114	0.00
61	T	1,2-Dibromoethane	50.000	49.319	1.4	116	0.00
62	S	4-Bromofluorobenzene	50.000	46.795	6.4	109	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64	T	Tetrachloroethene	50.000	48.686	2.6	121	0.00
65	PM	Chlorobenzene	50.000	50.095	-0.2	118	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.014	2.0	113	0.00
67	C	Ethyl Benzene	50.000	50.798	-1.6#	116	0.00
68	T	m/p-Xylenes	100.000	102.416	-2.4	116	0.00
69	T	o-Xylene	50.000	50.424	-0.8	114	0.00
70	T	Styrene	50.000	51.651	-3.3	115	0.00
71	P	Bromoform	50.000	48.250	3.5	113	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	51.658	-3.3	118	0.00
74	T	N-amyl acetate	50.000	51.399	-2.8	114	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.936	0.1	113	0.00
76	T	1,2,3-Trichloropropane	50.000	50.456	-0.9	119	0.00
77	T	Bromobenzene	50.000	50.135	-0.3	114	0.00
78	T	n-propylbenzene	50.000	51.980	-4.0	117	0.00
79	T	2-Chlorotoluene	50.000	50.760	-1.5	116	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.918	-1.8	115	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.995	0.0	113	0.00
82	T	4-Chlorotoluene	50.000	50.507	-1.0	114	0.00
83	T	tert-Butylbenzene	50.000	50.288	-0.6	115	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.607	-3.2	116	0.00
85	T	sec-Butylbenzene	50.000	51.230	-2.5	118	0.00
86	T	p-Isopropyltoluene	50.000	50.686	-1.4	117	0.00
87	T	1,3-Dichlorobenzene	50.000	48.229	3.5	115	0.00
88	T	1,4-Dichlorobenzene	50.000	47.423	5.2	115	0.00
89	T	n-Butylbenzene	50.000	49.728	0.5	119	0.00
90	T	Hexachloroethane	50.000	48.437	3.1	116	0.00
91	T	1,2-Dichlorobenzene	50.000	49.123	1.8	114	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.072	1.9	109	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.941	6.1	115	0.00
94	T	Hexachlorobutadiene	50.000	48.274	3.5	114	0.00
95	T	Naphthalene	50.000	50.362	-0.7	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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	48.223	3.6	114	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data

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: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

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

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.397	0.399	0.400	0.321	0.310	0.333	0.360	12
Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.4
Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.6
Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.4
Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.7
Trichlorofluoromethane	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.5
1,1,2-Trichlorotrifluoroethane	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.6
1,1-Dichloroethene	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.1
Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.7
Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.7
Methyl tert-butyl Ether	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.3
Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6
Methylene Chloride	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.4
trans-1,2-Dichloroethene	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.9
1,1-Dichloroethane	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.9
Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.3
2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.6
Carbon Tetrachloride	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.1
cis-1,2-Dichloroethene	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.8
Bromochloromethane	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.2
Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.5
1,1,1-Trichloroethane	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.1
Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7
Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.2
1,2-Dichloroethane	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.6
Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.8
1,2-Dichloropropane	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.9
Bromodichloromethane	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.7
4-Methyl-2-Pentanone	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.6
Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.5

* 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.

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

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

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.2
cis-1,3-Dichloropropene	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.9
1,1,2-Trichloroethane	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.5
2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.9
Dibromochloromethane	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.7
1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.2
Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.9
Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.9
Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.5
m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.5
o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.1
Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.5
Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.4
Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.3
1,1,2,2-Tetrachloroethane	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.6
1,3-Dichlorobenzene	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.9
1,4-Dichlorobenzene	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.3
1,2-Dichlorobenzene	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.1
1,2-Dibromo-3-Chloropropane	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.2
1,2,4-Trichlorobenzene	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.7
1,2,3-Trichlorobenzene	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.1
1,2-Dichloroethane-d4	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.2
Dibromofluoromethane	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.6
Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2
4-Bromofluorobenzene	0.401	0.370	0.373	0.365	0.372	0.386	0.378	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.

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y100725S.M
Title : SW846 8260
Last Update : Wed Oct 08 05:12:50 2025
Response Via : Initial Calibration

Calibration Files
5 =VY023384.D 10 =VY023385.D 20 =VY023386.D 50 =VY023387.D 100 =VY023388.D 150 =VY023389.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.397	0.399	0.400	0.321	0.310	0.333	0.360	11.97
3)	P	Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.45
4)	C	Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.59#
5)	T	Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.42
6)	T	Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.67
7)	T	Trichlorofluor...	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.54
8)	T	Diethyl Ether	0.240	0.239	0.236	0.215	0.224	0.237	0.232	4.42
9)	T	1,1,2-Trichlor...	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.57
10)	T	Methyl Iodide	0.404	0.503	0.518	0.538	0.547	0.562	0.512	11.09
11)	T	Tert butyl alc...	0.033	0.037	0.030	0.025	0.029	0.033	0.031	13.08
12)	CM	1,1-Dichloroet...	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.14#
13)	T	Acrolein	0.045	0.043	0.042	0.042	0.044	0.048	0.044	5.27
14)	T	Allyl chloride	0.540	0.555	0.546	0.526	0.535	0.560	0.544	2.33
15)	T	Acrylonitrile	0.088	0.093	0.086	0.082	0.088	0.095	0.089	5.52
16)	T	Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.67
17)	T	Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.74
18)	T	Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6.00
19)	T	Methyl tert-bu...	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.30
20)	T	Methylene Chlo...	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.41
21)	T	trans-1,2-Dich...	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.95
22)	T	Diisopropyl ether	1.107	1.238	1.255	1.163	1.195	1.257	1.202	4.95
23)	T	Vinyl Acetate	0.594	0.646	0.651	0.625	0.667	0.722	0.651	6.65
24)	P	1,1-Dichloroet...	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.90
25)	T	2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.56
26)	T	2,2-Dichloropr...	0.752	0.771	0.731	0.705	0.699	0.726	0.731	3.74
27)	T	cis-1,2-Dichlo...	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.81
28)	T	Bromochloromet...	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.22
29)	T	Tetrahydrofuran	0.066	0.070	0.067	0.064	0.070	0.078	0.069	7.25
30)	C	Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.54#
31)	T	Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.27
32)	T	1,1,1-Trichlor...	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.08
33)	S	1,2-Dichloroet...	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.21
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.62
36)	T	1,1-Dichloropr...	0.395	0.413	0.413	0.397	0.405	0.417	0.407	2.20
37)	T	Ethyl Acetate	0.148	0.162	0.163	0.150	0.164	0.179	0.161	6.94
38)	T	Carbon Tetrach...	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.14
39)	T	Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7.03
40)	TM	Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.22
41)	T	Methacrylonitrile	0.082	0.085	0.091	0.080	0.089	0.096	0.087	7.09
42)	TM	1,2-Dichloroet...	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.59
43)	T	Isopropyl Acetate	0.297	0.313	0.313	0.302	0.335	0.369	0.321	8.32
44)	TM	Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.81
45)	C	1,2-Dichloropr...	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.89#
46)	T	Dibromomethane	0.172	0.182	0.183	0.173	0.181	0.188	0.180	3.43
47)	T	Bromodichlorom...	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.70
48)	T	Methyl methacr...	0.125	0.139	0.149	0.148	0.165	0.181	0.151	12.98
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	10.06
50)	S	Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2.03
51)	T	4-Methyl-2-Pen...	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.55
52)	CM	Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.49#
53)	T	t-1,3-Dichloro...	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.24
54)	T	cis-1,3-Dichlo...	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.86
55)	T	1,1,2-Trichlor...	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.52
56)	T	Ethyl methacry...	0.219	0.248	0.262	0.279	0.321	0.345	0.279	16.80

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y100725S.M

57)	T	1,3-Dichloropr...	0.361	0.381	0.383	0.374	0.392	0.409	0.383	4.26
58)	T	2-Chloroethyl ...	0.093	0.112	0.112	0.129	0.145	0.159	0.125	19.35
59)	T	2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.86
60)	T	Dibromochlorom...	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.69
61)	T	1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.16
62)	S	4-Bromofluorob...	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.51
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.92
65)	PM	Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.89
66)	T	1,1,1,2-Tetrac...	0.388	0.389	0.390	0.373	0.384	0.402	0.388	2.44
67)	C	Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.54#
68)	T	m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.54
69)	T	o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.15
70)	T	Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.55
71)	P	Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.41
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.30
74)	T	N-amyl acetate	0.477	0.535	0.556	0.581	0.665	0.738	0.592	15.95
75)	P	1,1,2,2-Tetrac...	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.60
76)	T	1,2,3-Trichlor...	0.406	0.399	0.484	0.433	0.455	0.469	0.441	7.76
77)	T	Bromobenzene	0.849	0.880	0.885	0.845	0.877	0.921	0.876	3.14
78)	T	n-propylbenzene	3.373	3.676	3.906	3.883	3.955	4.086	3.813	6.64
79)	T	2-Chlorotoluene	2.095	2.208	2.282	2.227	2.249	2.338	2.233	3.66
80)	T	1,3,5-Trimethy...	2.309	2.557	2.736	2.706	2.772	2.896	2.663	7.70
81)	T	trans-1,4-Dich...	0.171	0.175	0.176	0.169	0.185	0.203	0.180	7.04
82)	T	4-Chlorotoluene	2.173	2.266	2.362	2.276	2.316	2.404	2.300	3.52
83)	T	tert-Butylbenzene	2.199	2.363	2.465	2.522	2.533	2.668	2.458	6.55
84)	T	1,2,4-Trimethy...	2.301	2.552	2.701	2.706	2.782	2.903	2.657	7.86
85)	T	sec-Butylbenzene	3.175	3.388	3.571	3.583	3.664	3.778	3.527	6.08
86)	T	p-Isopropyltol...	2.575	2.804	3.032	3.087	3.183	3.334	3.003	9.09
87)	T	1,3-Dichlorobe...	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.85
88)	T	1,4-Dichlorobe...	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.33
89)	T	n-Butylbenzene	2.279	2.428	2.626	2.682	2.778	2.904	2.616	8.76
90)	T	Hexachloroethane	0.667	0.631	0.647	0.625	0.643	0.662	0.646	2.54
91)	T	1,2-Dichlorobe...	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.13
92)	T	1,2-Dibromo-3-...	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.18
93)	T	1,2,4-Trichlor...	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.75
94)	T	Hexachlorobuta...	0.590	0.571	0.572	0.577	0.587	0.590	0.581	1.52
95)	T	Naphthalene	1.206	1.281	1.346	1.466	1.722	1.887	1.485	17.98
96)	T	1,2,3-Trichlor...	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.14

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	585717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	882488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	753398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	378104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	26670	5.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 10.520%#			
35) Dibromofluoromethane	7.634	113	27455	5.126	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 10.260%#			
50) Toluene-d8	10.103	98	99905	4.946	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.900%#			
62) 4-Bromofluorobenzene	12.401	95	35355	5.548	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 11.100%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	23245	5.038	ug/l	92
3) Chloromethane	2.074	50	30346	4.627	ug/l	94
4) Vinyl Chloride	2.202	62	38657	4.668	ug/l	95
5) Bromomethane	2.598	94	35214	5.184	ug/l	94
6) Chloroethane	2.732	64	25848	4.597	ug/l	98
7) Trichlorofluoromethane	3.055	101	51797	4.869	ug/l	98
8) Diethyl Ether	3.452	74	14079	5.060	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	28368	4.989	ug/l	99
10) Methyl Iodide	4.007	142	23692	3.606	ug/l	99
11) Tert butyl alcohol	4.854	59	9774	32.746	ug/l #	80
12) 1,1-Dichloroethene	3.787	96	26290	4.806	ug/l	94
13) Acrolein	3.653	56	13176	26.054	ug/l	100
14) Allyl chloride	4.385	41	31614	4.616	ug/l	98
15) Acrylonitrile	5.055	53	25891	23.754	ug/l	99
16) Acetone	3.866	43	37573	32.940	ug/l	96
17) Carbon Disulfide	4.104	76	75645	4.432	ug/l	99
18) Methyl Acetate	4.391	43	14279	4.926	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	58919	4.600	ug/l	95
20) Methylene Chloride	4.616	84	36598	5.917	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	28923	4.754	ug/l	99
22) Diisopropyl ether	6.018	45	64833	4.269	ug/l	94
23) Vinyl Acetate	5.964	43	173851	20.824	ug/l	99
24) 1,1-Dichloroethane	5.909	63	46850	4.679	ug/l	100
25) 2-Butanone	6.890	43	38990	27.656	ug/l	93
26) 2,2-Dichloropropane	6.884	77	44062	4.953	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	31743	4.600	ug/l	98
28) Bromochloromethane	7.244	49	19445	5.006	ug/l	99
29) Tetrahydrofuran	7.262	42	19296	23.059	ug/l	98
30) Chloroform	7.421	83	51887	4.806	ug/l	97
31) Cyclohexane	7.707	56	46675	5.279	ug/l #	79
32) 1,1,1-Trichloroethane	7.616	97	47305	4.881	ug/l	99
36) 1,1-Dichloropropene	7.835	75	34888	4.617	ug/l	98
37) Ethyl Acetate	6.982	43	13082	4.379	ug/l #	93
38) Carbon Tetrachloride	7.817	117	42654	4.859	ug/l	95
39) Methylcyclohexane	9.109	83	43329	4.479	ug/l	98
40) Benzene	8.079	78	110551	4.693	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	7226m	4.658	ug/l		
42) 1,2-Dichloroethane	8.158	62	28940	4.828	ug/l		100
43) Isopropyl Acetate	8.201	43	26166	4.503	ug/l		99
44) Trichloroethene	8.859	130	33564	5.077	ug/l		99
45) 1,2-Dichloropropane	9.140	63	24358	4.595	ug/l		92
46) Dibromomethane	9.231	93	15179	4.682	ug/l		97
47) Bromodichloromethane	9.420	83	38813	4.756	ug/l		93
48) Methyl methacrylate	9.219	41	11038	4.071	ug/l		98
49) 1,4-Dioxane	9.219	88	3255	96.953	ug/l	#	86
51) 4-Methyl-2-Pentanone	9.999	43	62279	20.925	ug/l		98
52) Toluene	10.170	92	68550	4.585	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	31477	4.491	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	37392	4.463	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	20641	4.786	ug/l		97
56) Ethyl methacrylate	10.438	69	19324	3.891	ug/l		94
57) 1,3-Dichloropropane	10.719	76	31831	4.560	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.713	63	41054m	18.894	ug/l		
59) 2-Hexanone	10.761	43	47778	23.185	ug/l		97
60) Dibromochloromethane	10.908	129	28135	4.783	ug/l		97
61) 1,2-Dibromoethane	11.017	107	18957	4.673	ug/l		97
64) Tetrachloroethene	10.646	164	40570	5.383	ug/l		98
65) Chlorobenzene	11.444	112	81802	4.997	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	29222	5.075	ug/l		97
67) Ethyl Benzene	11.517	91	121005	4.529	ug/l		99
68) m/p-Xylenes	11.633	106	95176	8.887	ug/l		100
69) o-Xylene	11.956	106	44280	4.466	ug/l		98
70) Styrene	11.969	104	67960	4.152	ug/l		99
71) Bromoform	12.133	173	16988	4.929	ug/l	#	99
73) Isopropylbenzene	12.255	105	112194	4.455	ug/l		99
74) N-amyl acetate	12.066	43	18041	3.833	ug/l	#	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	20052	4.773	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	15359m	4.118	ug/l		
77) Bromobenzene	12.529	156	32106	4.967	ug/l		99
78) n-propylbenzene	12.596	91	127521	4.305	ug/l		99
79) 2-Chlorotoluene	12.676	91	79199	4.631	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	87297	4.264	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	6474	4.680	ug/l		98
82) 4-Chlorotoluene	12.779	91	82155	4.600	ug/l		100
83) tert-Butylbenzene	12.999	119	83151	4.457	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	86988	4.294	ug/l		99
85) sec-Butylbenzene	13.176	105	120061	4.443	ug/l		99
86) p-Isopropyltoluene	13.291	119	97377	4.264	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	63027	4.936	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	64389	5.085	ug/l		95
89) n-Butylbenzene	13.615	91	86179	4.274	ug/l		99
90) Hexachloroethane	13.877	117	25204	5.084	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	56167	5.041	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3305	4.964	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	32000	4.875	ug/l		99
94) Hexachlorobutadiene	15.023	225	22316	5.456	ug/l		99
95) Naphthalene	15.145	128	45598	4.360	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	27176	4.772	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

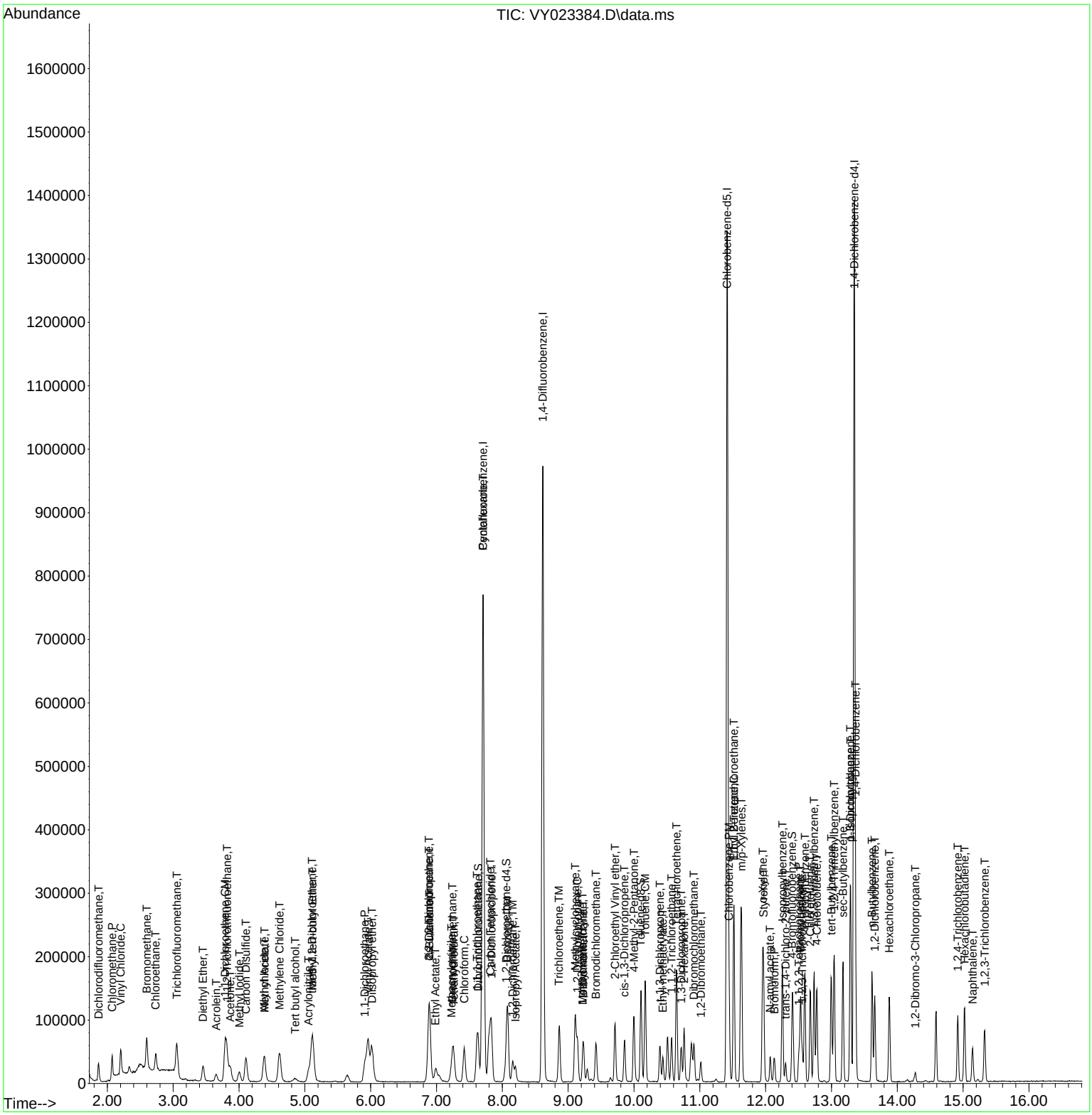
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Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

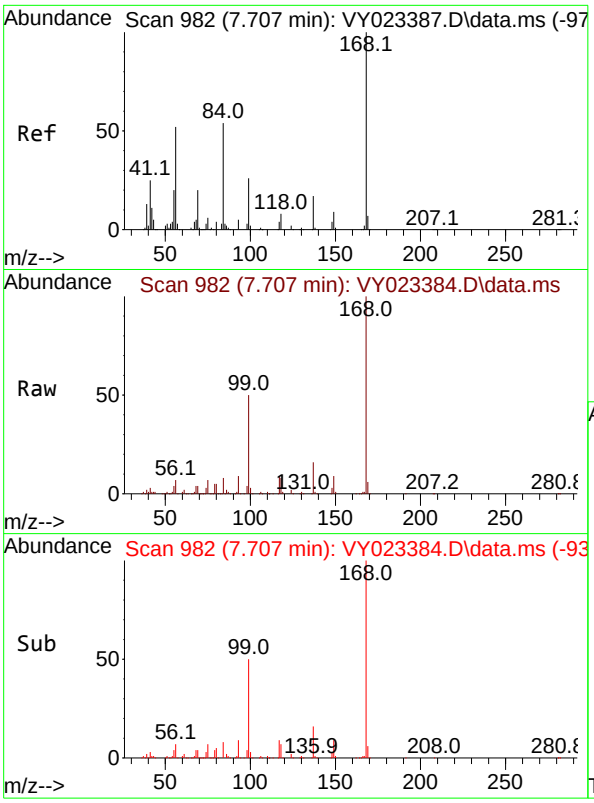
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QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

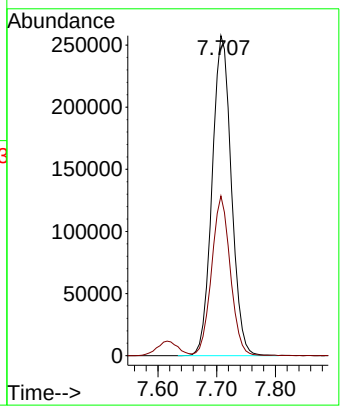
Tgt Ion:168 Resp: 58571

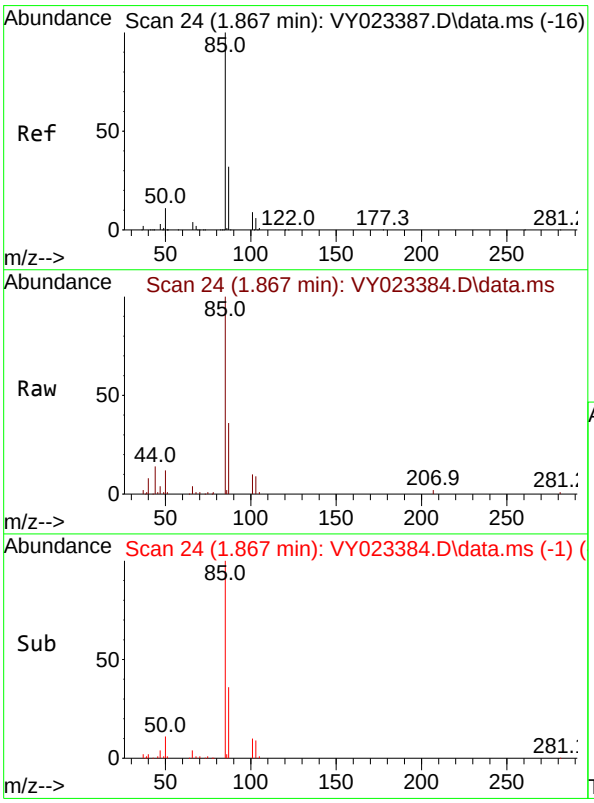
Ion	Ratio	Lower	Upper
168	100		
99	49.8	39.7	59.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

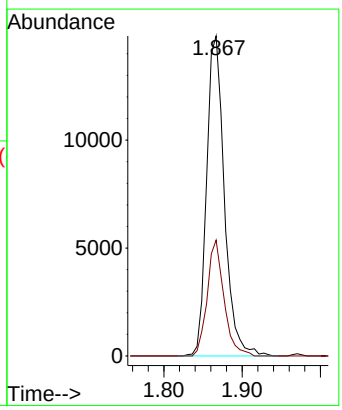


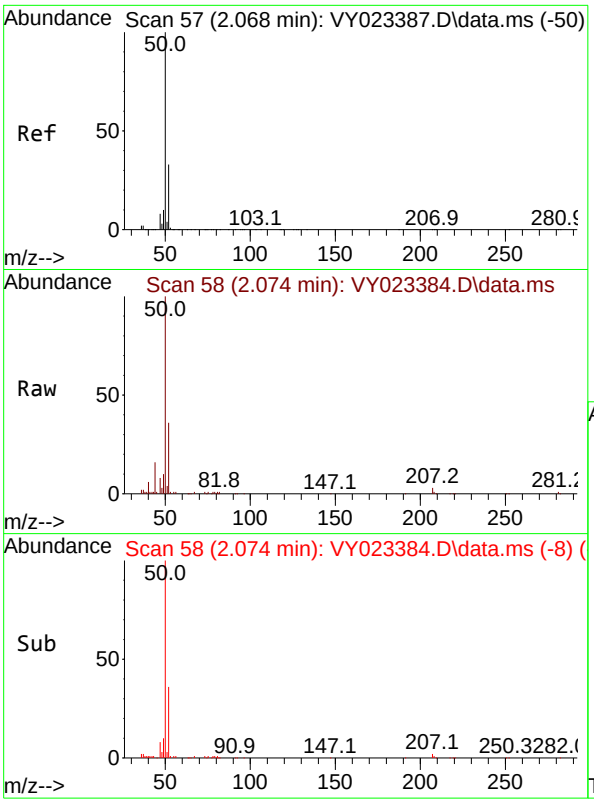


#2
Dichlorodifluoromethane
Concen: 5.038 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 85 Resp: 23245

Ion	Ratio	Lower	Upper
85	100		
87	36.2	16.0	47.9

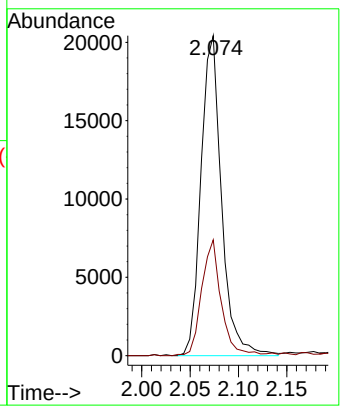




#3
Chloromethane
Concen: 4.627 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 50 Resp: 3034

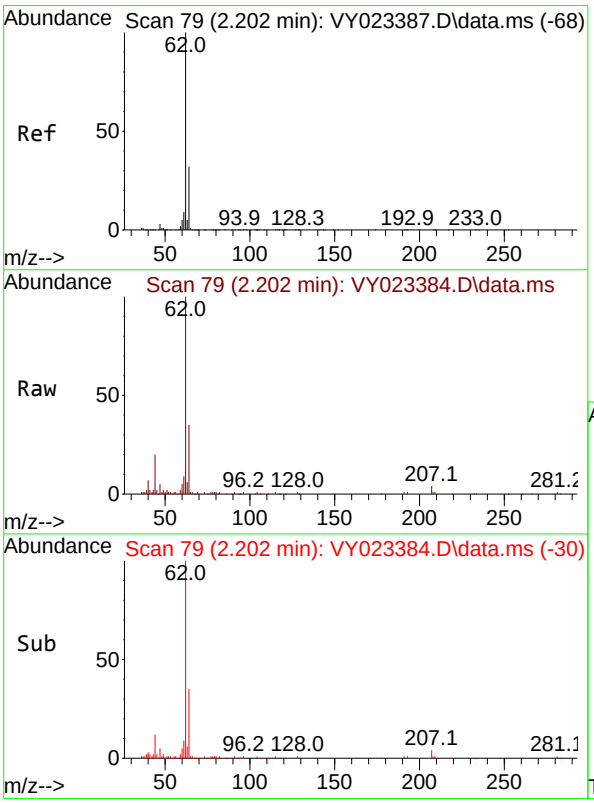
Ion	Ratio	Lower	Upper
50	100		
52	35.8	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

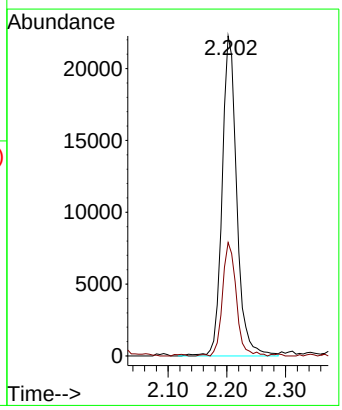
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

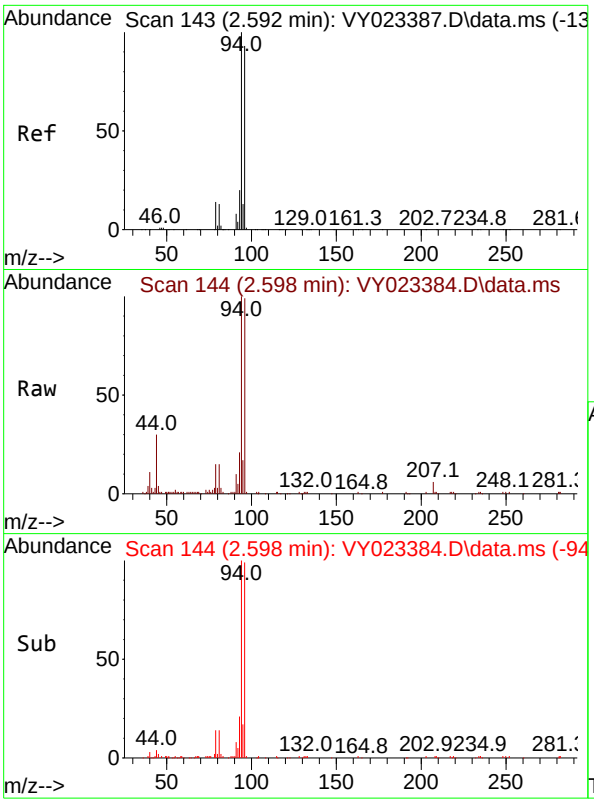


#4
Vinyl Chloride
Concen: 4.668 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 62 Resp: 38657

Ion	Ratio	Lower	Upper
62	100		
64	35.0	25.8	38.8





#5
Bromomethane
Concen: 5.184 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

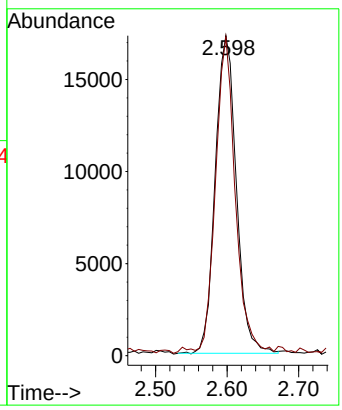
Tgt Ion: 94 Resp: 3521

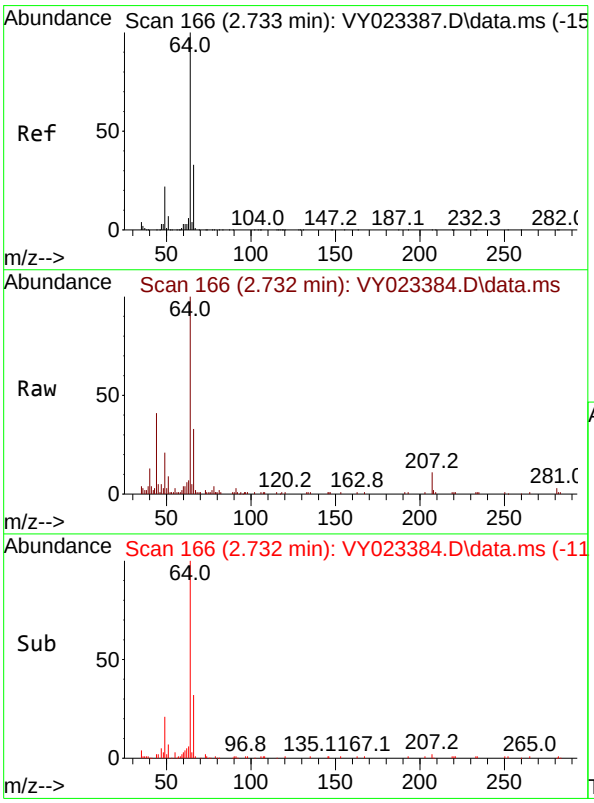
Ion	Ratio	Lower	Upper
94	100		
96	99.0	74.5	111.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

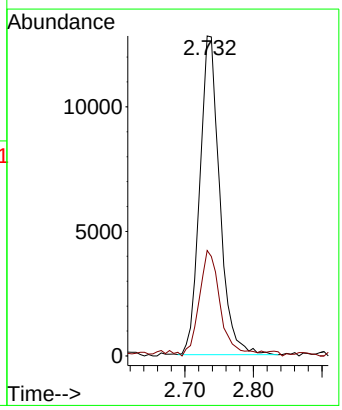


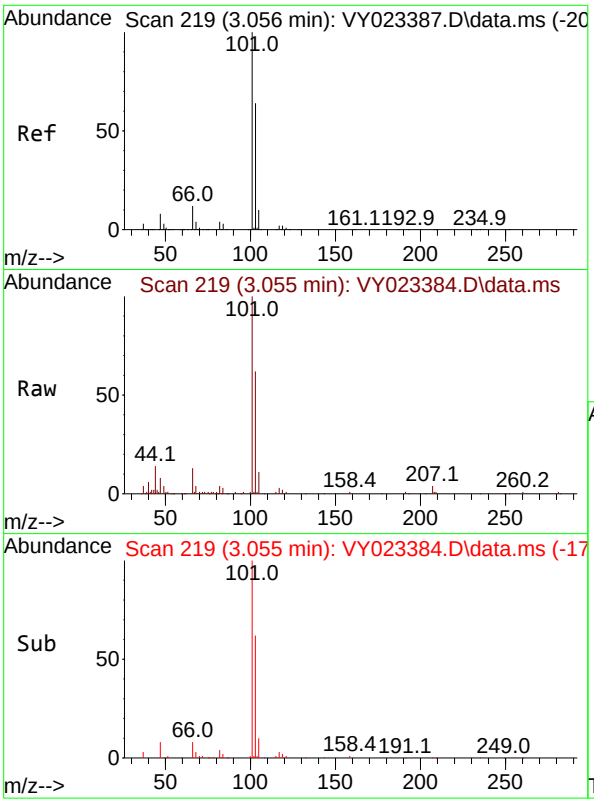


#6
Chloroethane
Concen: 4.597 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 64 Resp: 25848

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.2	39.4





#7
Trichlorofluoromethane
Concen: 4.869 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

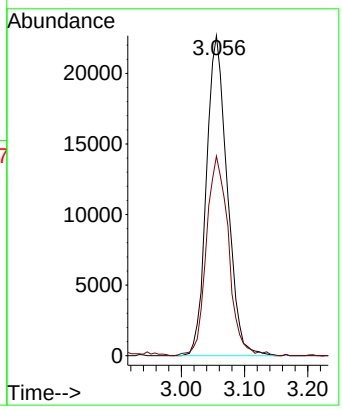
Tgt Ion:101 Resp: 5179

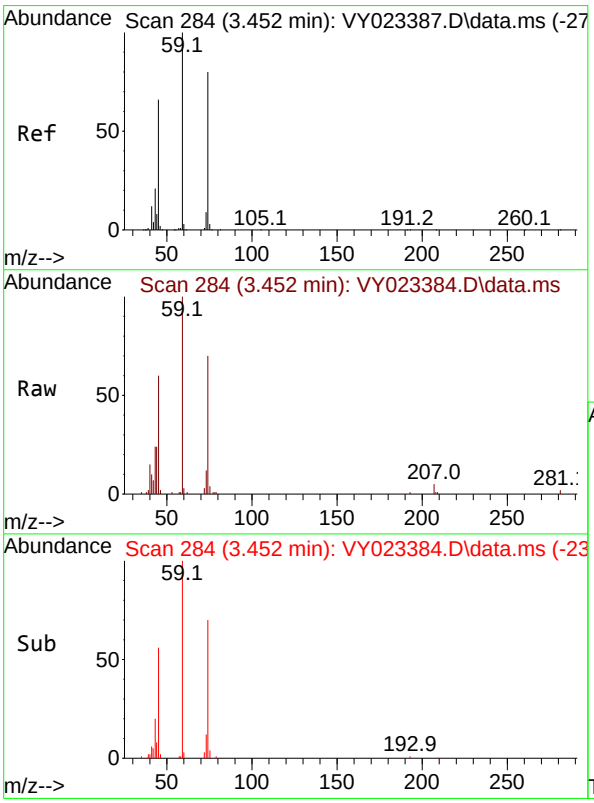
Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.3	76.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

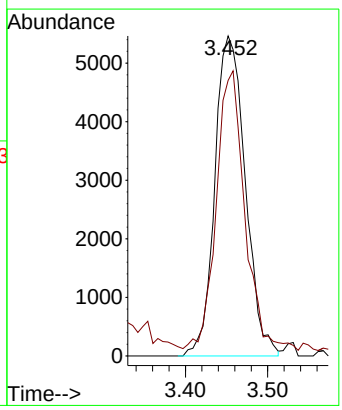


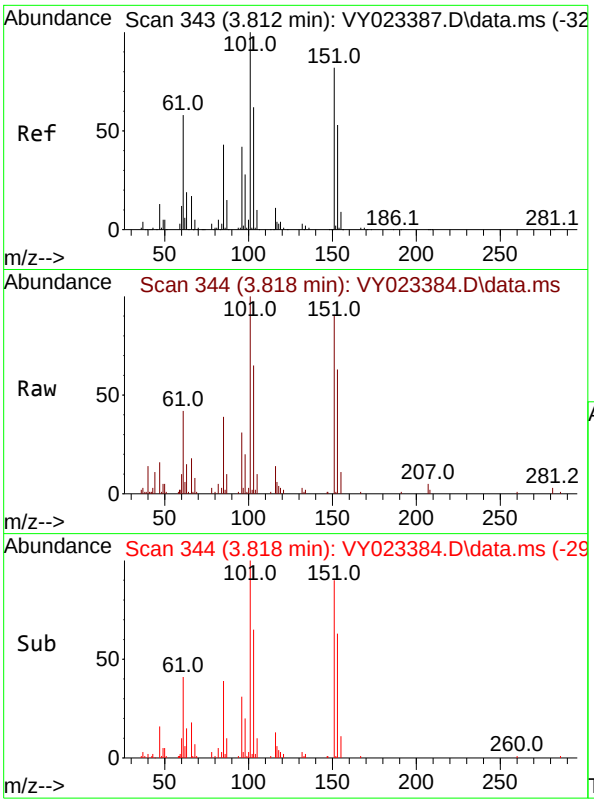


#8
Diethyl Ether
Concen: 5.060 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 74 Resp: 14079

Ion	Ratio	Lower	Upper
74	100		
45	82.9	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.989 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

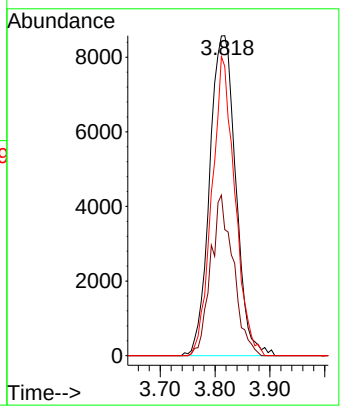
Tgt Ion:101 Resp: 2836

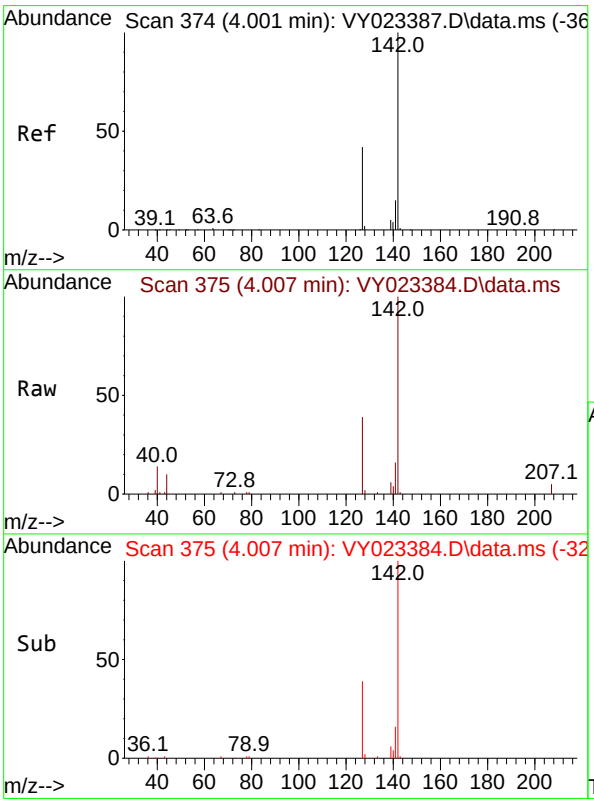
Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.6	51.8
151	82.3	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

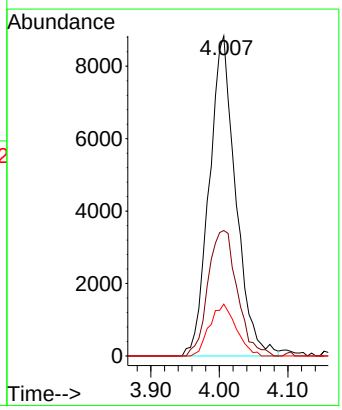


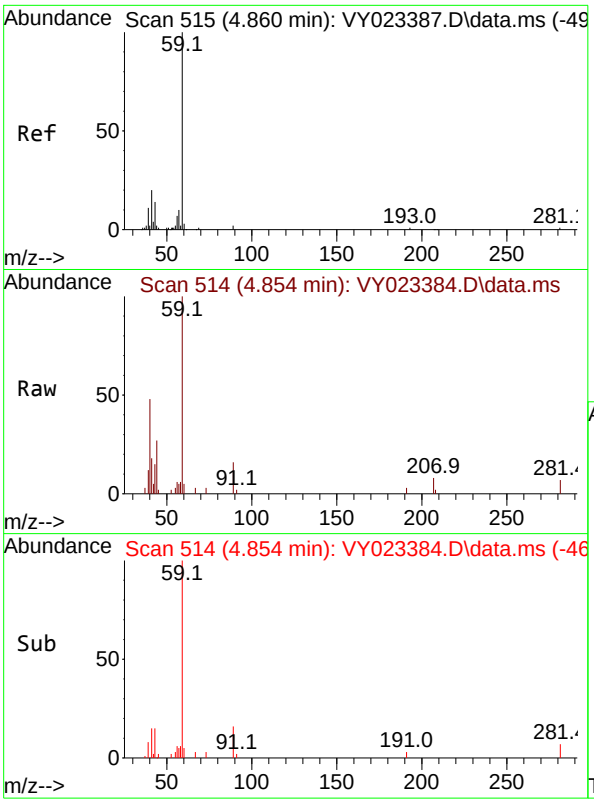


#10
Methyl Iodide
Concen: 3.606 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:142 Resp: 23692

Ion	Ratio	Lower	Upper
142	100		
127	43.3	34.8	52.2
141	16.2	11.6	17.4

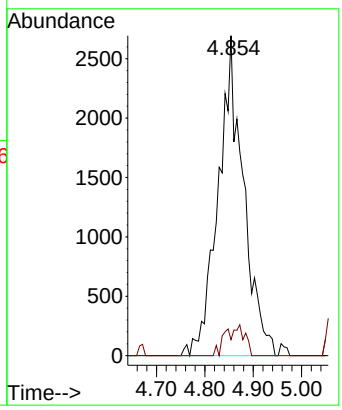




#11
Tert butyl alcohol
Concen: 32.746 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 59 Resp: 977

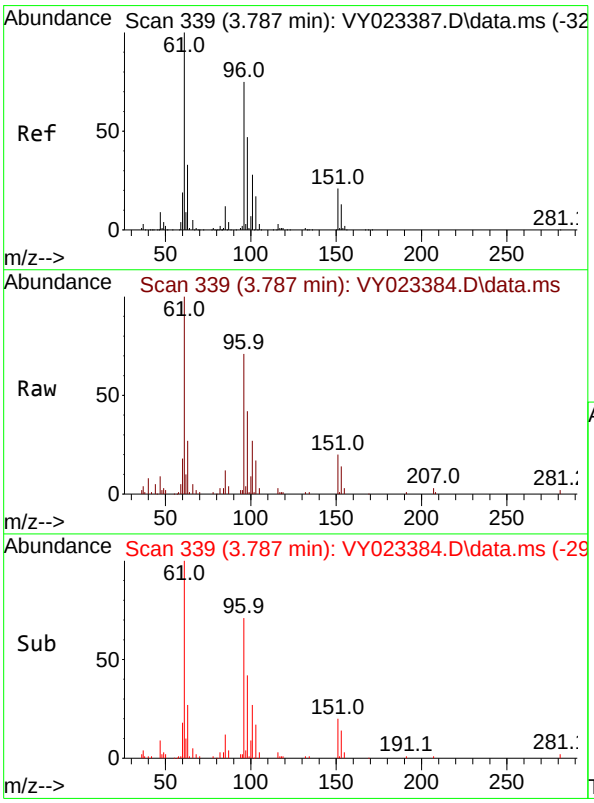
Ion	Ratio	Lower	Upper
59	100		
57	3.0	8.3	12.5#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

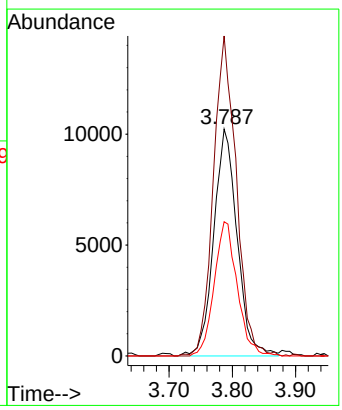
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

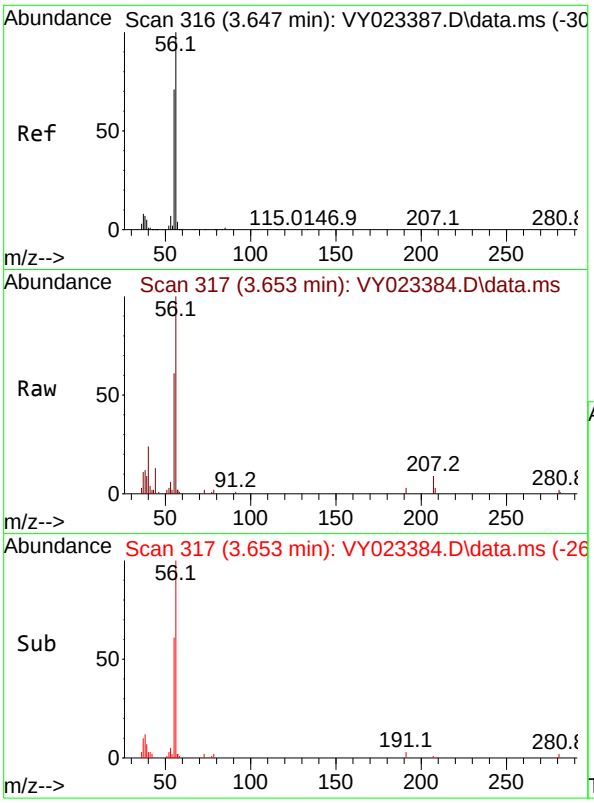


#12
1,1-Dichloroethene
Concen: 4.806 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 96 Resp: 26290

Ion	Ratio	Lower	Upper
96	100		
61	141.0	106.7	160.1
98	59.1	50.2	75.4

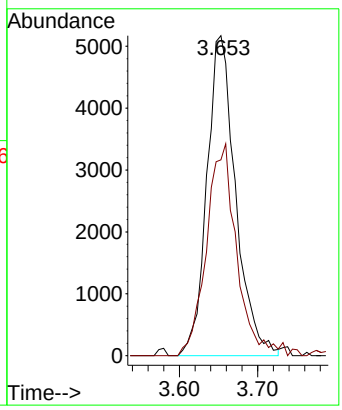




#13
Acrolein
Concen: 26.054 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 56 Resp: 1317

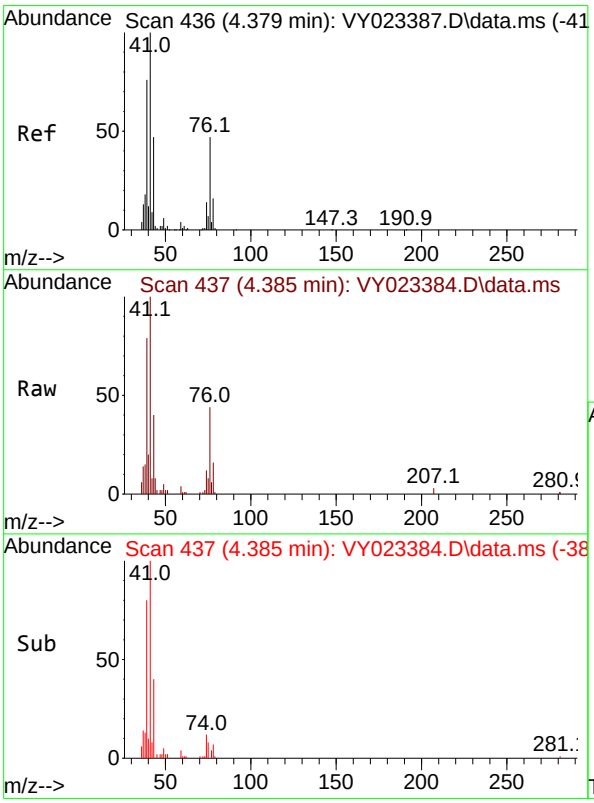
Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

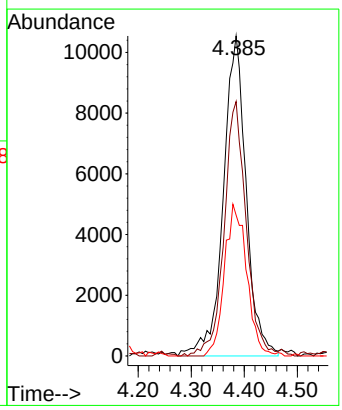
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

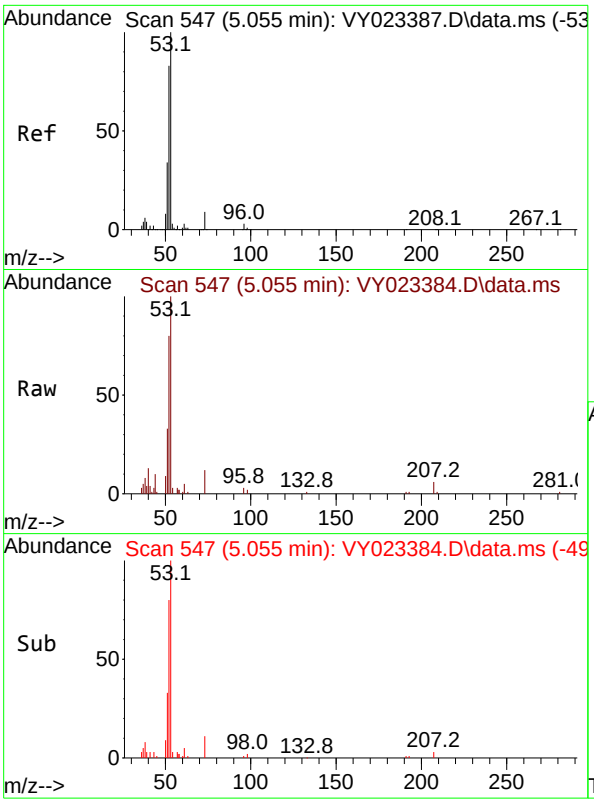


#14
Allyl chloride
Concen: 4.616 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 41 Resp: 31614

Ion	Ratio	Lower	Upper
41	100		
39	76.6	59.9	89.9
76	46.2	38.0	57.0

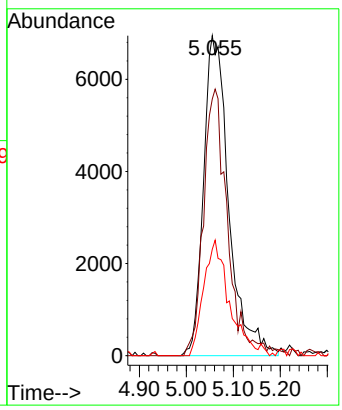




#15
Acrylonitrile
Concen: 23.754 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 53 Resp: 2589

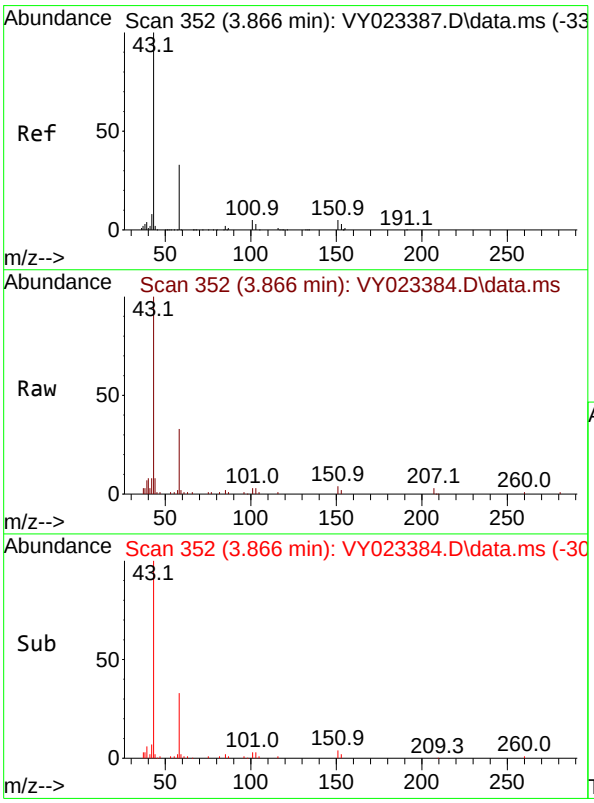
Ion	Ratio	Lower	Upper
53	100		
52	79.7	64.6	97.0
51	36.3	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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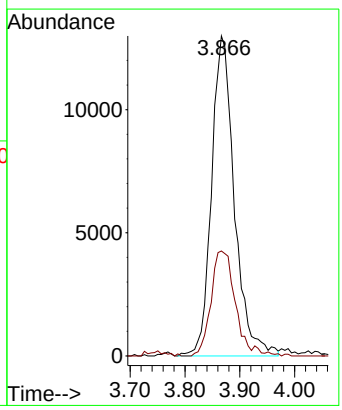
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

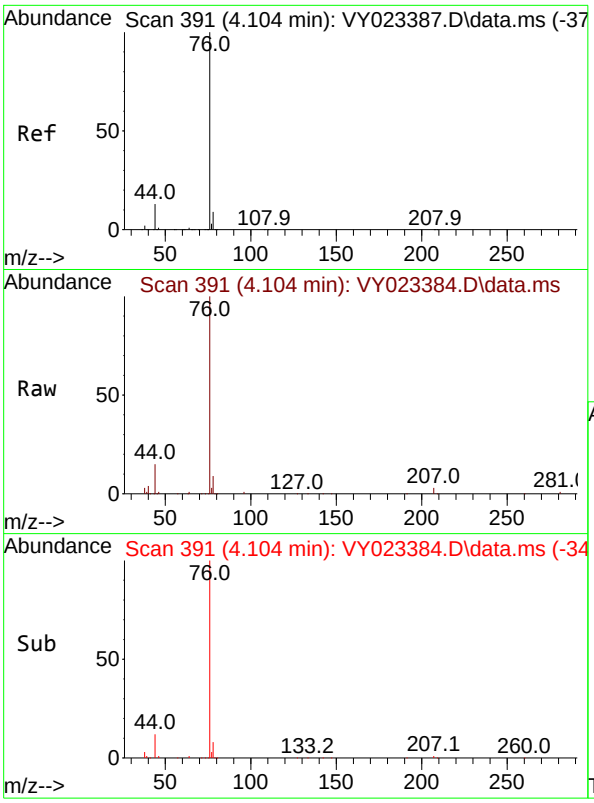


#16
Acetone
Concen: 32.940 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 37573

Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.7	41.5





#17
Carbon Disulfide
Concen: 4.432 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

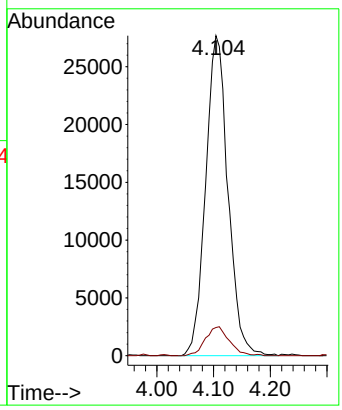
Tgt Ion: 76 Resp: 7564

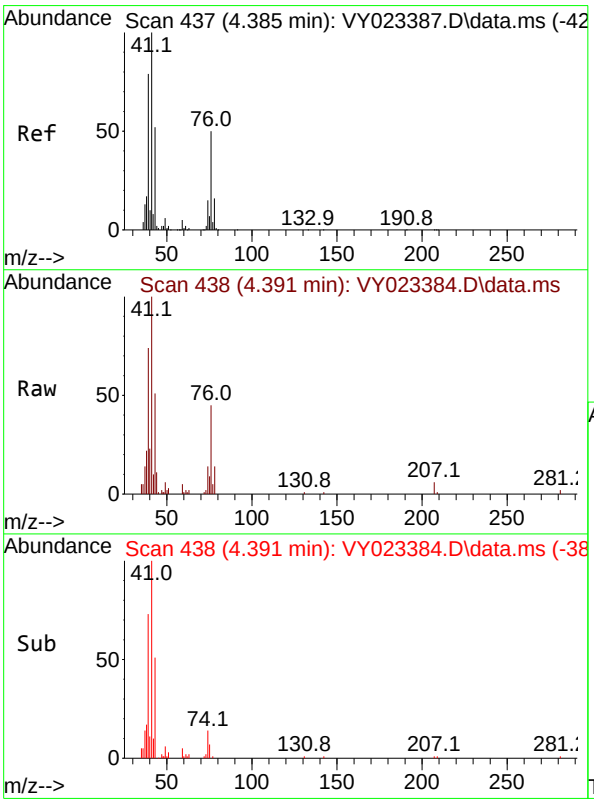
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

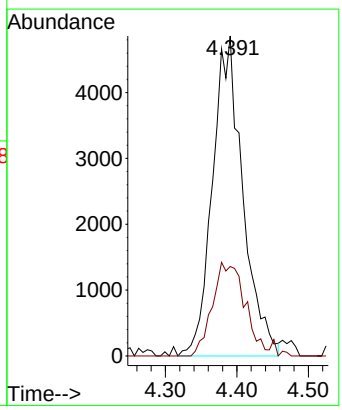


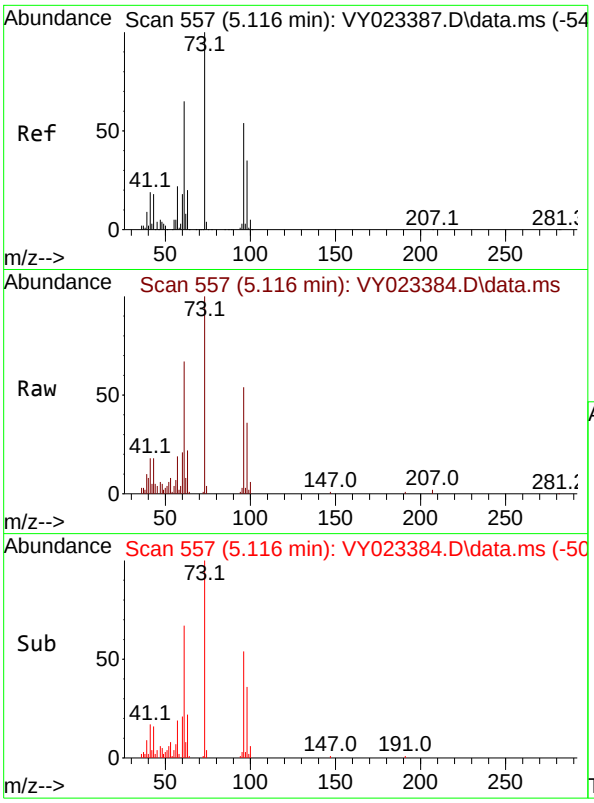


#18
Methyl Acetate
Concen: 4.926 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 14279

Ion	Ratio	Lower	Upper
43	100		
74	31.4	24.2	36.4

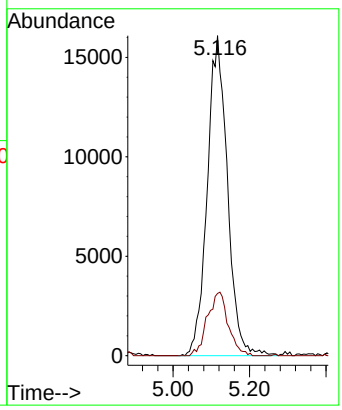




#19
Methyl tert-butyl Ether
Concen: 4.600 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 73 Resp: 5891

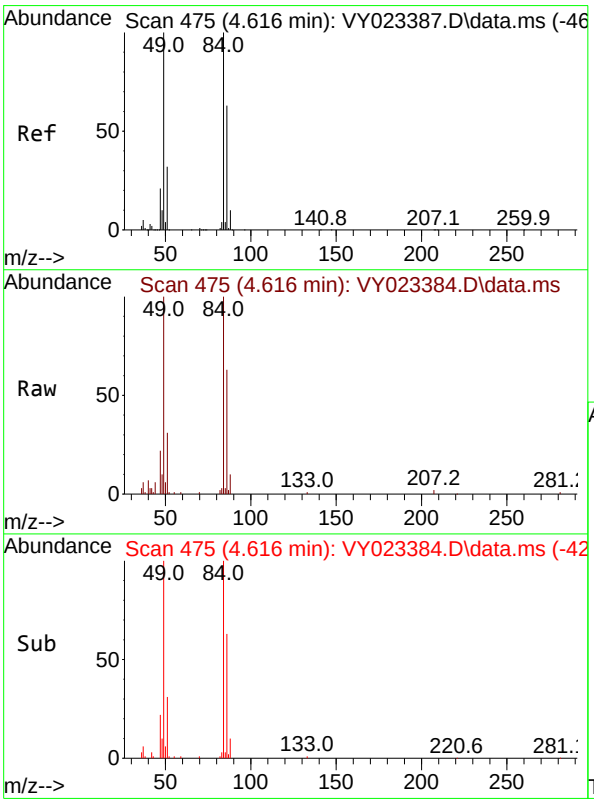
Ion	Ratio	Lower	Upper
73	100		
57	19.4	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

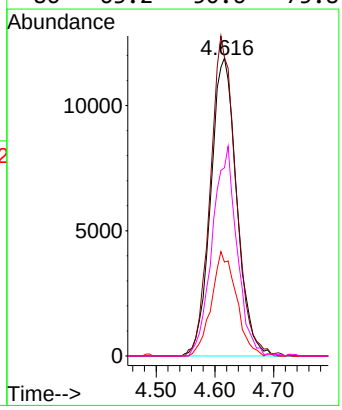
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

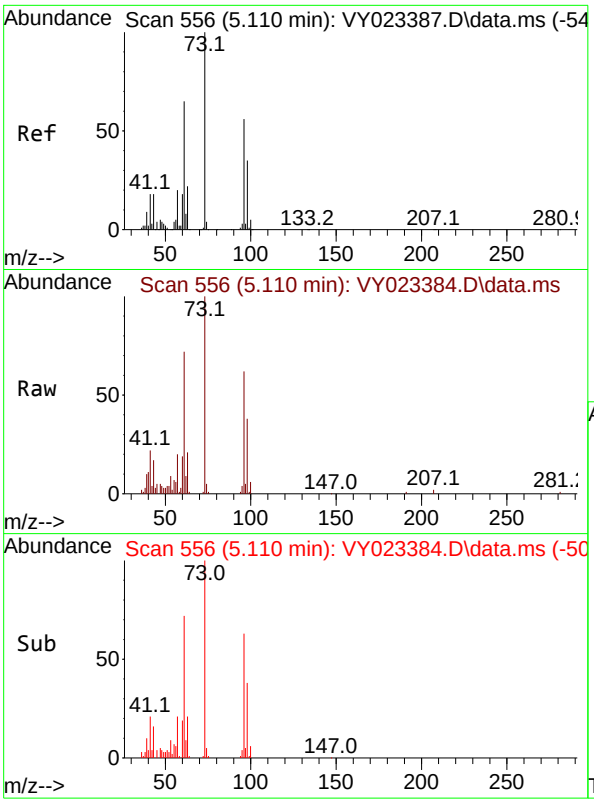


#20
Methylene Chloride
Concen: 5.917 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 84 Resp: 36598

Ion	Ratio	Lower	Upper
84	100		
49	100.3	80.2	120.4
51	31.6	25.9	38.9
86	63.2	50.6	75.8

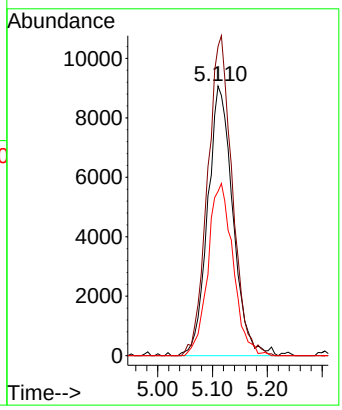




#21
trans-1,2-Dichloroethene
Concen: 4.754 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 96 Resp: 2892

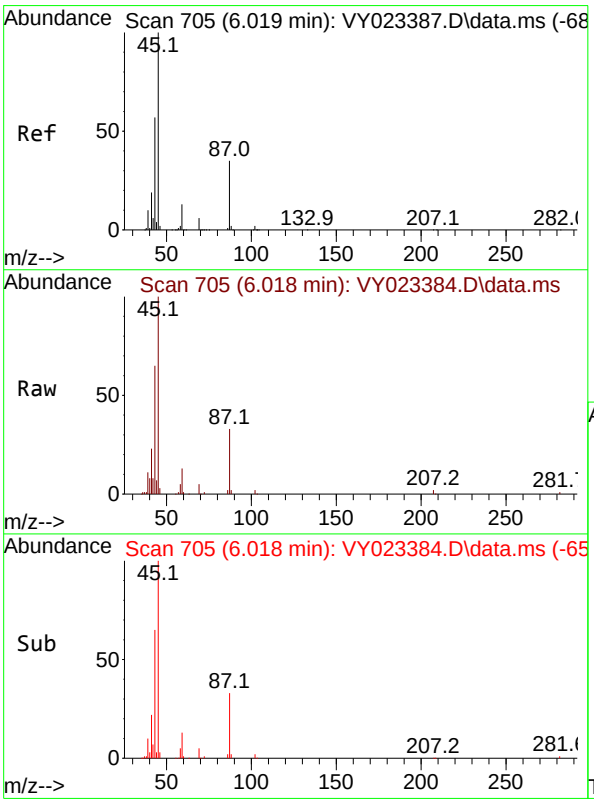
Ion	Ratio	Lower	Upper
96	100		
61	114.7	92.7	139.1
98	61.0	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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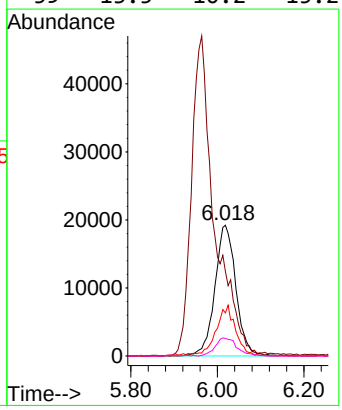
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

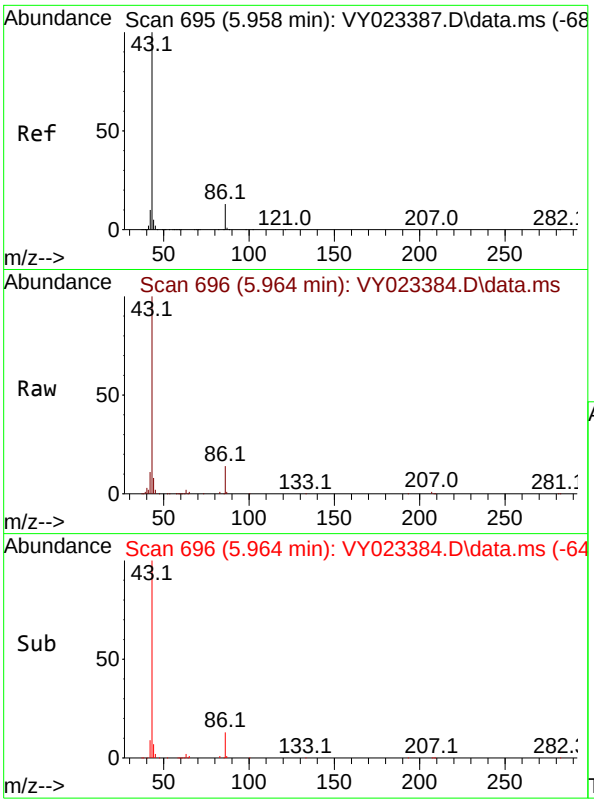


#22
Diisopropyl ether
Concen: 4.269 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 45 Resp: 64833

Ion	Ratio	Lower	Upper
45	100		
43	63.0	45.6	68.4
87	32.9	28.1	42.1
59	13.5	10.2	15.2

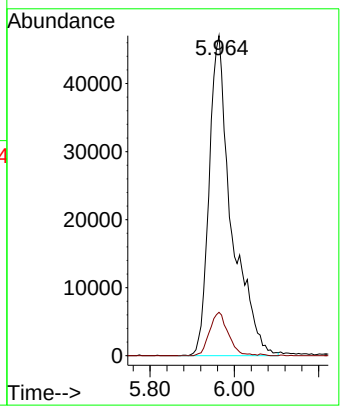




#23
Vinyl Acetate
Concen: 20.824 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 17385

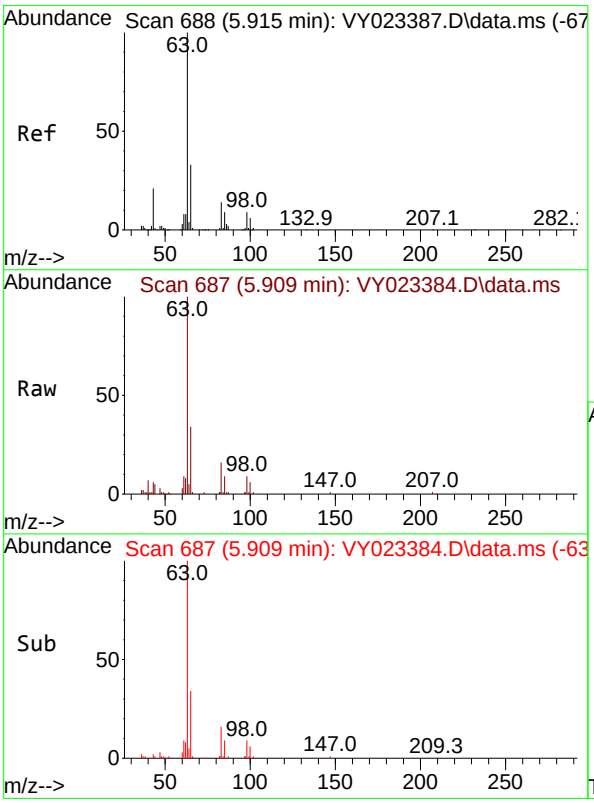
Ion	Ratio	Lower	Upper
43	100		
86	13.6	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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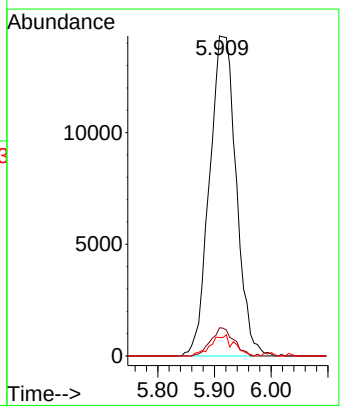
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

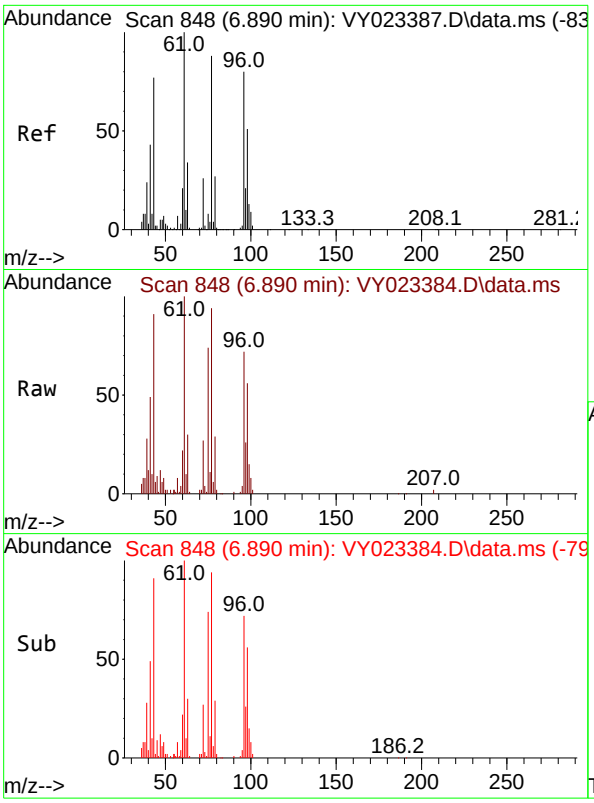


#24
1,1-Dichloroethane
Concen: 4.679 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 63 Resp: 46850

Ion	Ratio	Lower	Upper
63	100		
98	8.8	4.3	13.1
100	5.8	2.8	8.4





#25
2-Butanone
Concen: 27.656 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

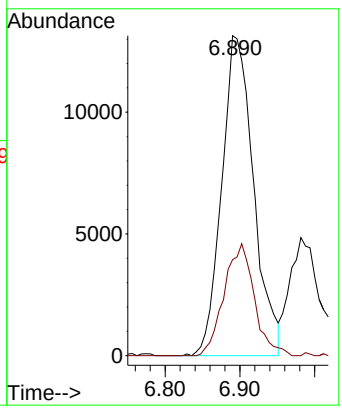
Tgt Ion: 43 Resp: 3899

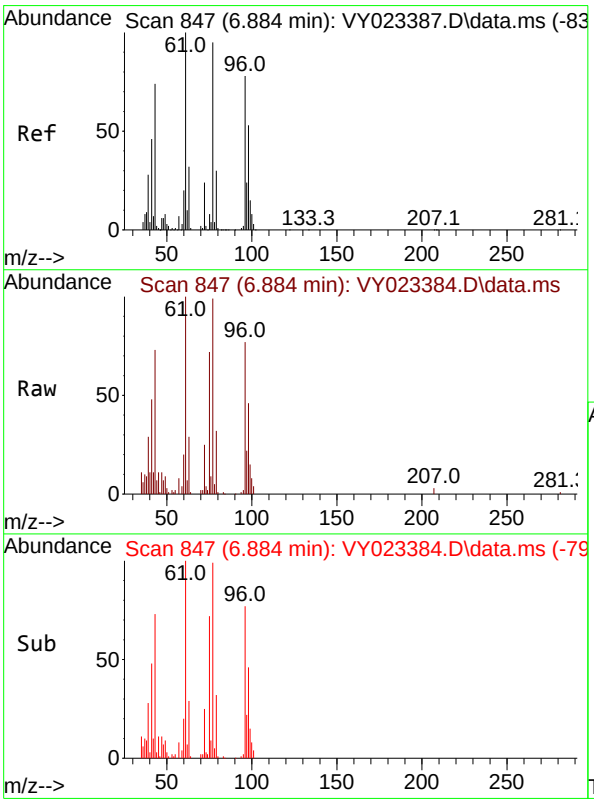
Ion	Ratio	Lower	Upper
43	100		
72	30.0	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

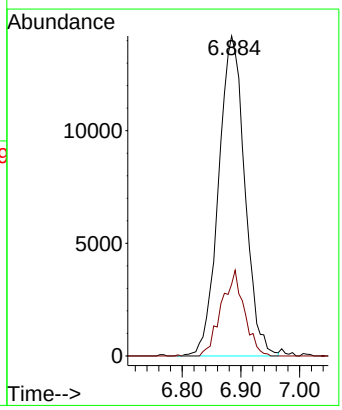


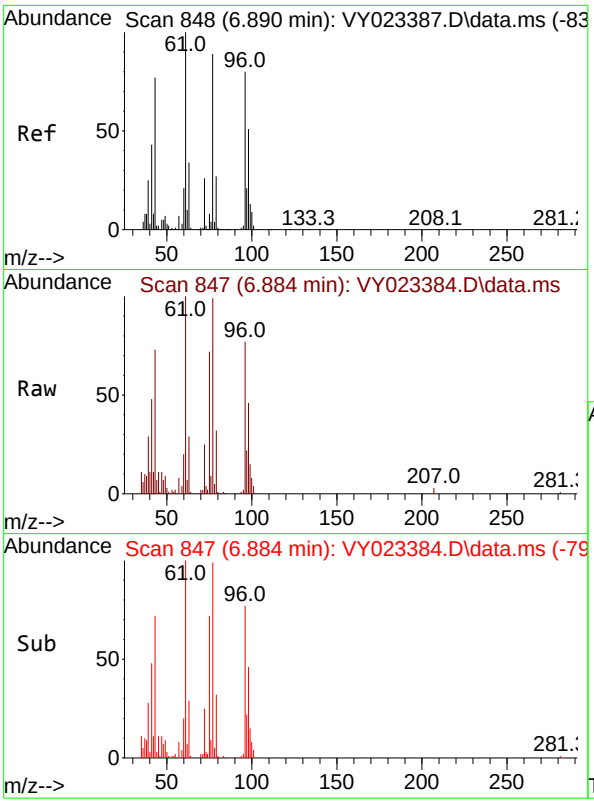


#26
2,2-Dichloropropane
Concen: 4.953 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 77 Resp: 44062

Ion	Ratio	Lower	Upper
77	100		
97	23.4	12.1	36.3

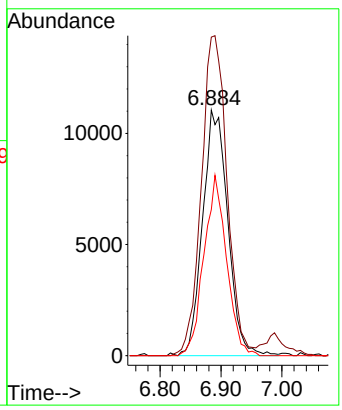




#27
cis-1,2-Dichloroethene
Concen: 4.600 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 96 Resp: 3174

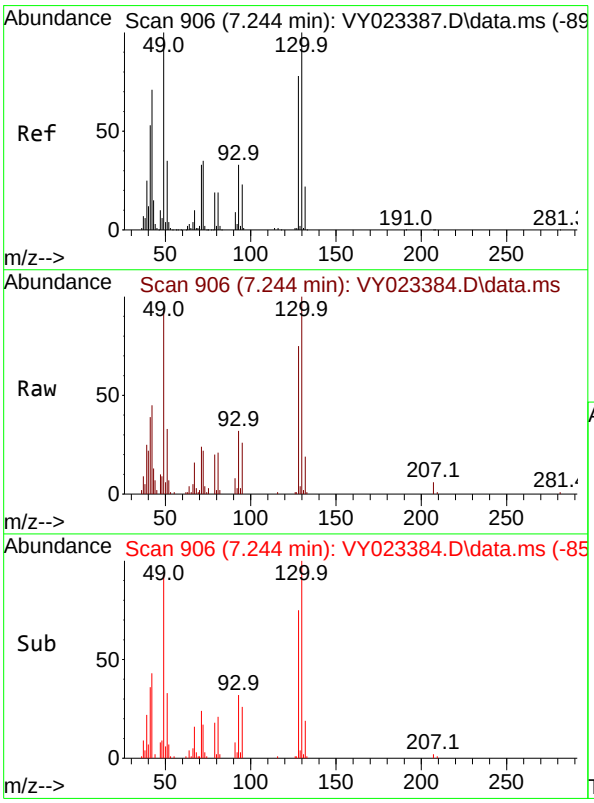
Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	258.2
98	66.1	0.0	132.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

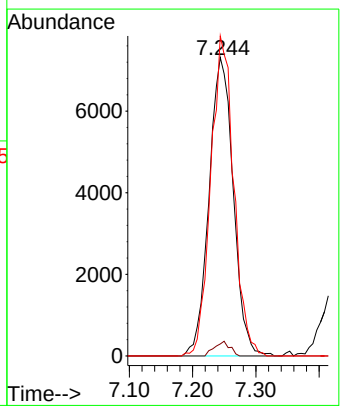
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

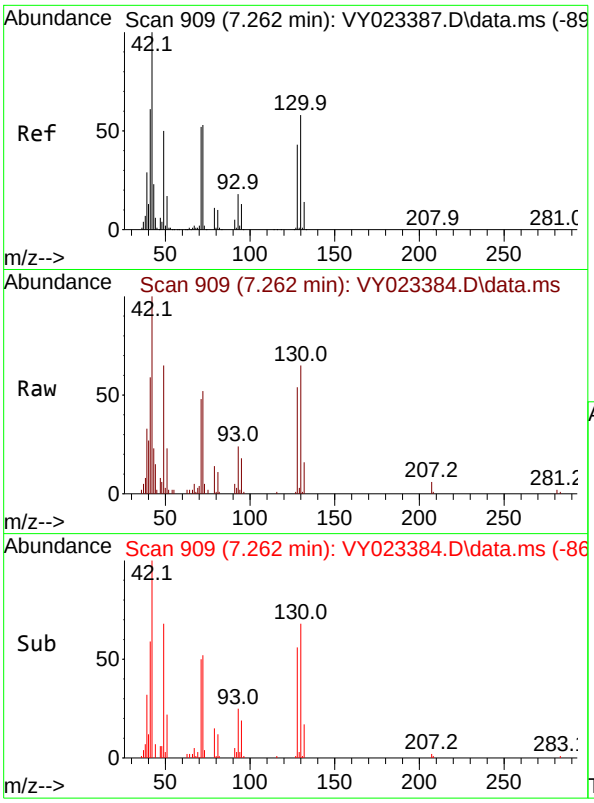


#28
Bromochloromethane
Concen: 5.006 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 49 Resp: 19445

Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.6
130	101.5	81.9	122.9

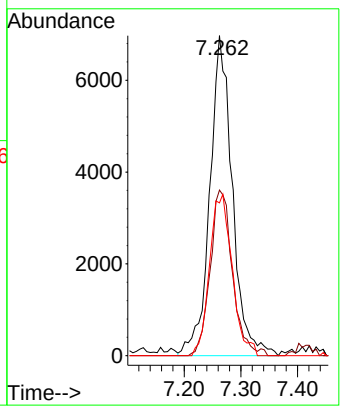




#29
Tetrahydrofuran
Concen: 23.059 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 42 Resp: 1929(

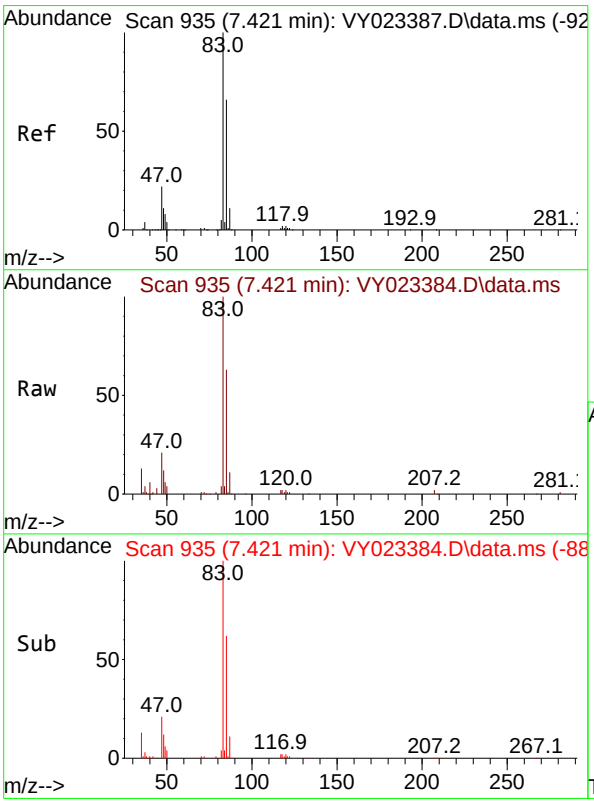
Ion	Ratio	Lower	Upper
42	100		
72	51.0	43.0	64.6
71	50.4	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

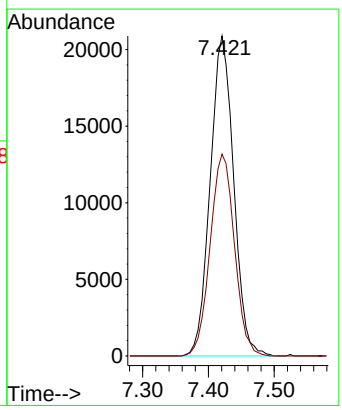
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

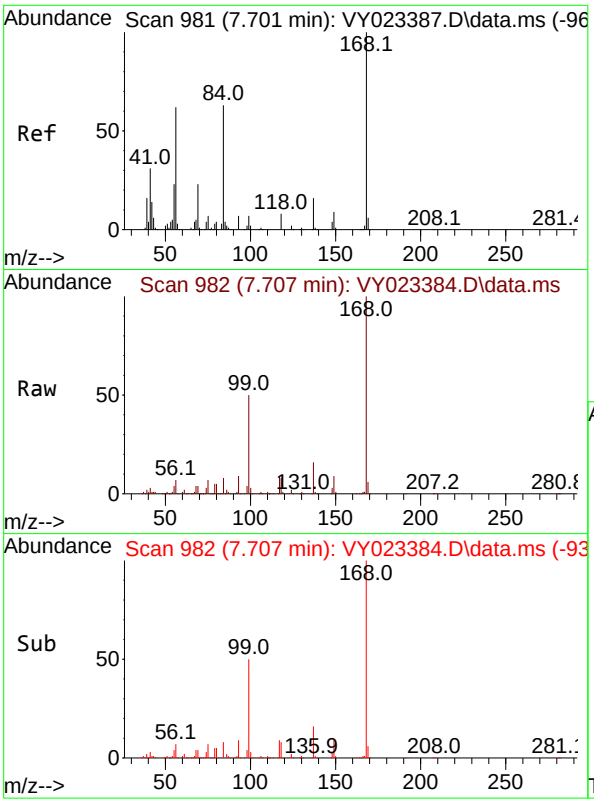


#30
Chloroform
Concen: 4.806 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 83 Resp: 51887

Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.5	78.7

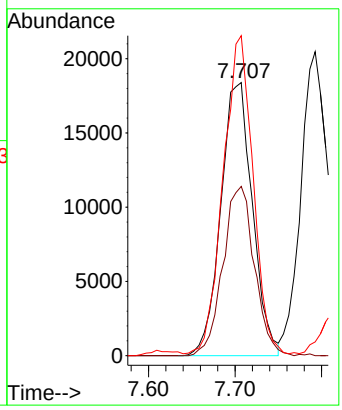




#31
Cyclohexane
Concen: 5.279 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 56 Resp: 4667

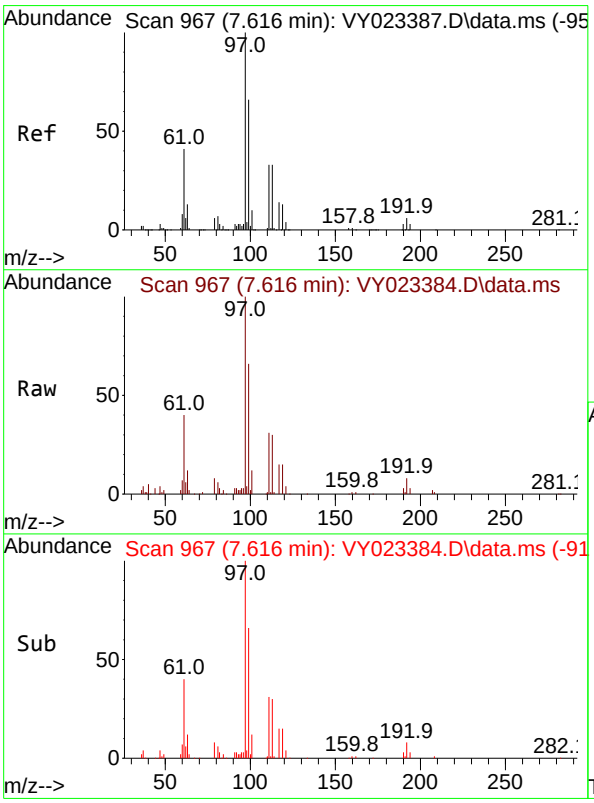
Ion	Ratio	Lower	Upper
56	100		
69	62.0	30.0	45.0
84	115.8	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

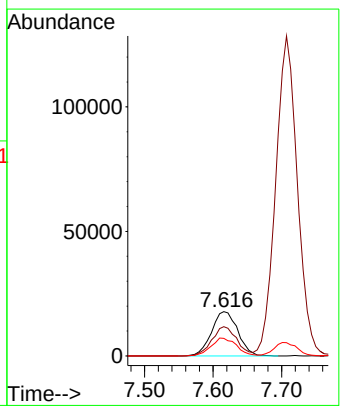
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

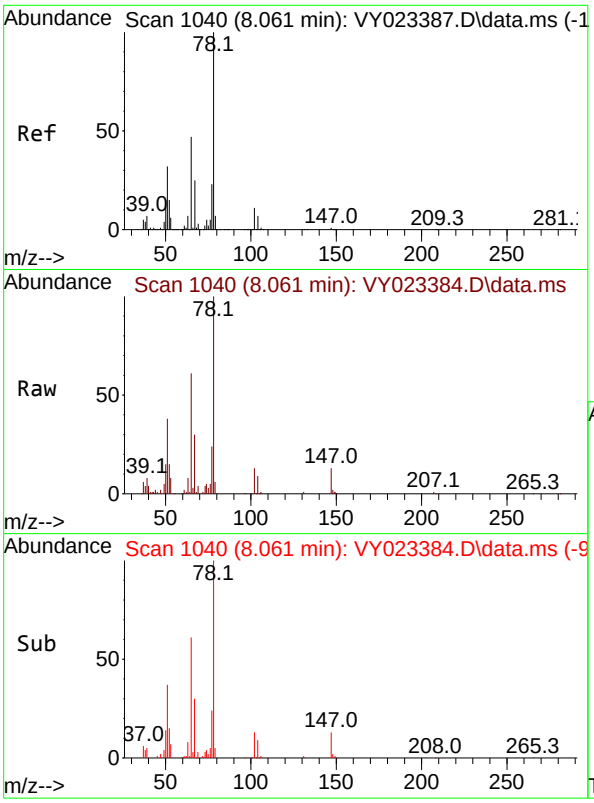


#32
1,1,1-Trichloroethane
Concen: 4.881 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 97 Resp: 47305

Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.4	77.2
61	39.4	31.9	47.9

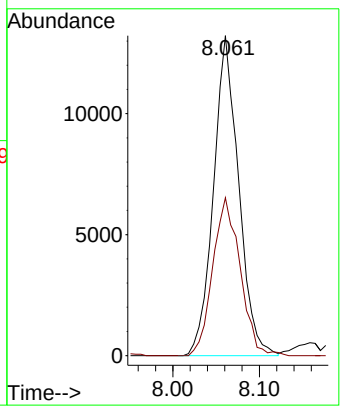




#33
1,2-Dichloroethane-d4
Concen: 5.258 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 65 Resp: 2667

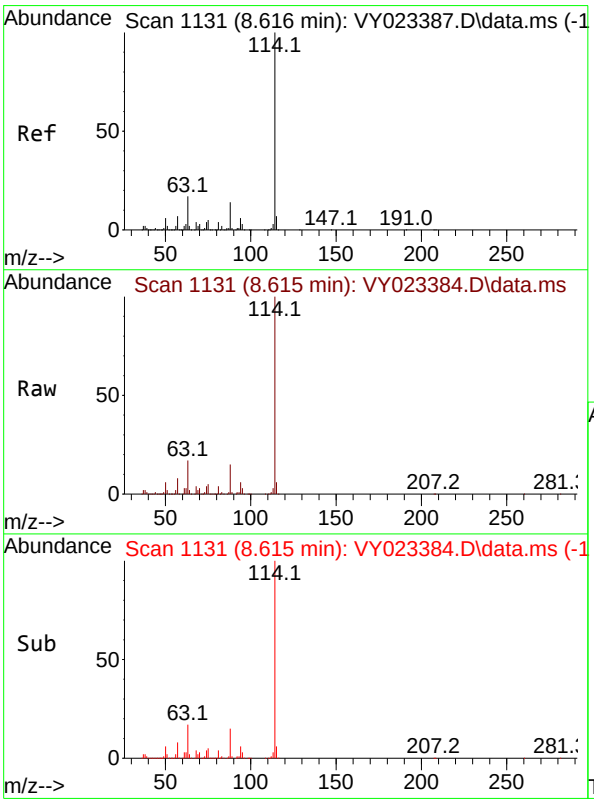
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

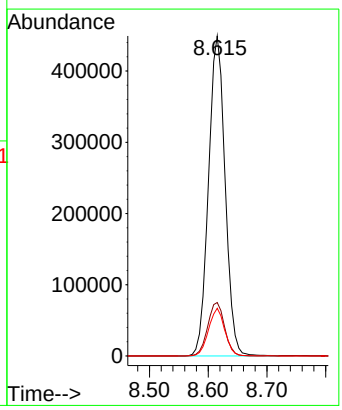
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

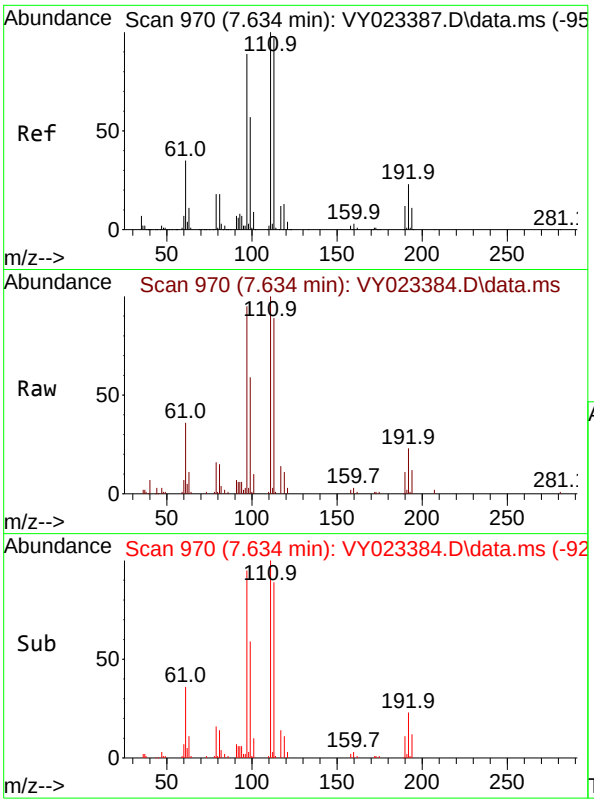


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:114 Resp: 882488

Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	34.2
88	14.9	0.0	28.4

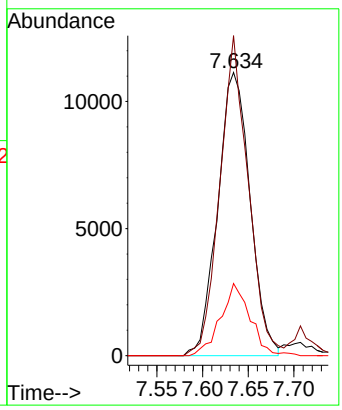




#35
Dibromofluoromethane
Concen: 5.126 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:113 Resp: 2745

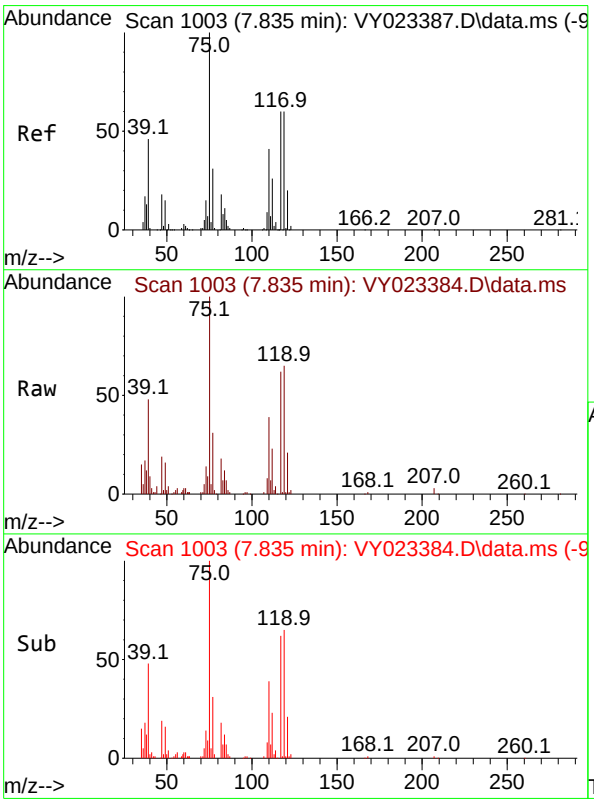
Ion	Ratio	Lower	Upper
113	100		
111	99.0	81.8	122.6
192	23.4	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

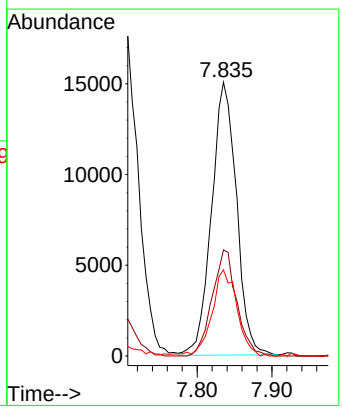
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

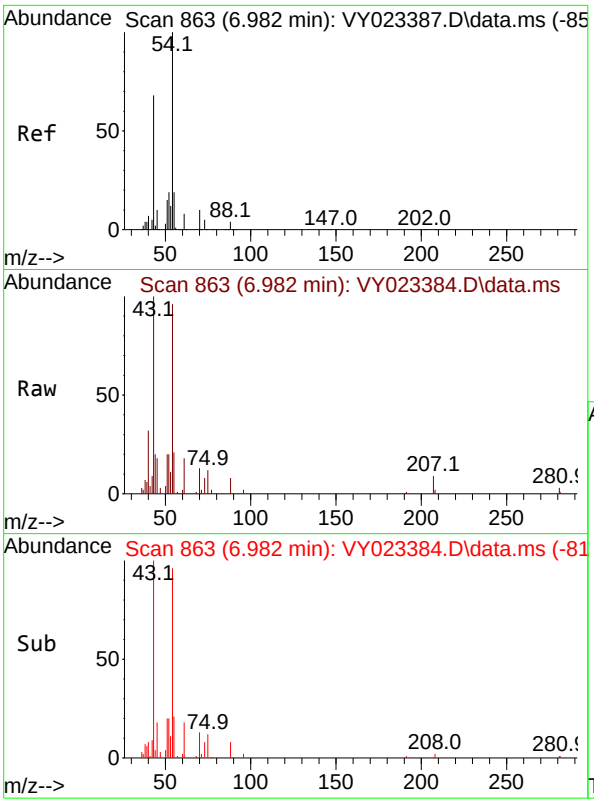


#36
1,1-Dichloropropene
Concen: 4.617 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 34888

Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.9	59.7
77	32.1	25.0	37.6





#37
Ethyl Acetate
Concen: 4.379 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

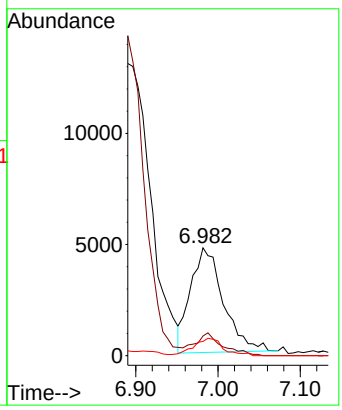
Tgt Ion: 43 Resp: 1308

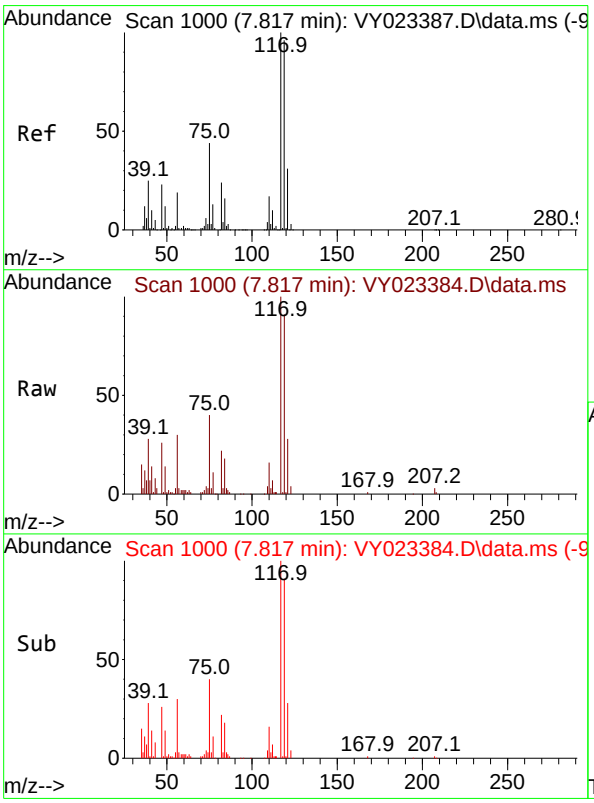
Ion	Ratio	Lower	Upper
43	100		
61	18.2	11.8	17.8
70	15.0	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

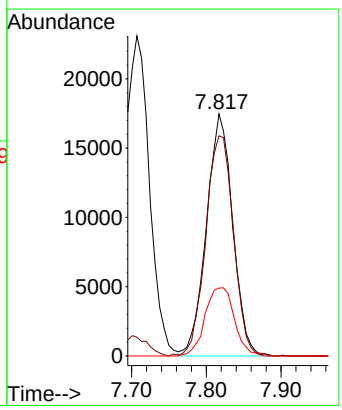


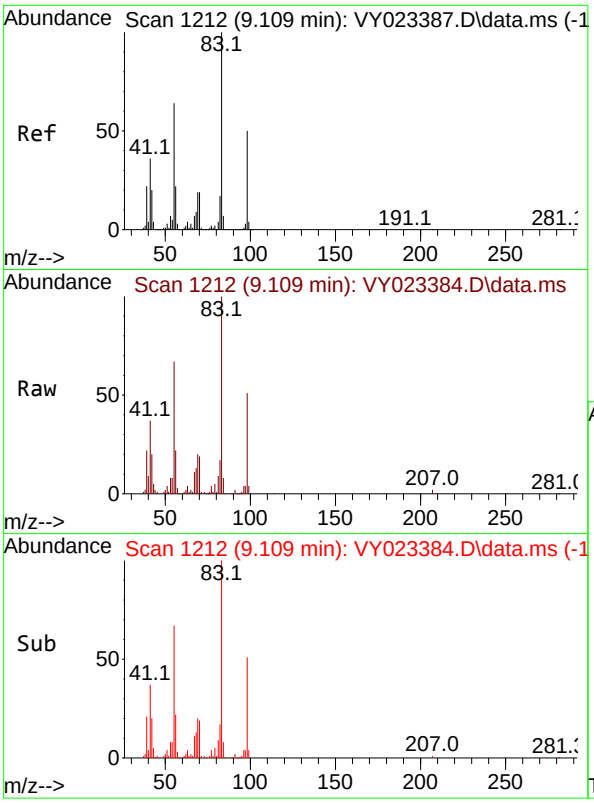


#38
Carbon Tetrachloride
Concen: 4.859 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:117 Resp: 42654

Ion	Ratio	Lower	Upper
117	100		
119	91.0	76.8	115.2
121	28.0	24.5	36.7

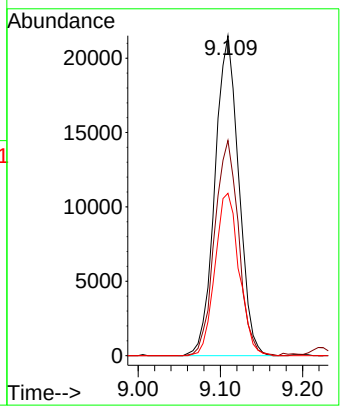




#39
Methylcyclohexane
Concen: 4.479 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 83 Resp: 4332

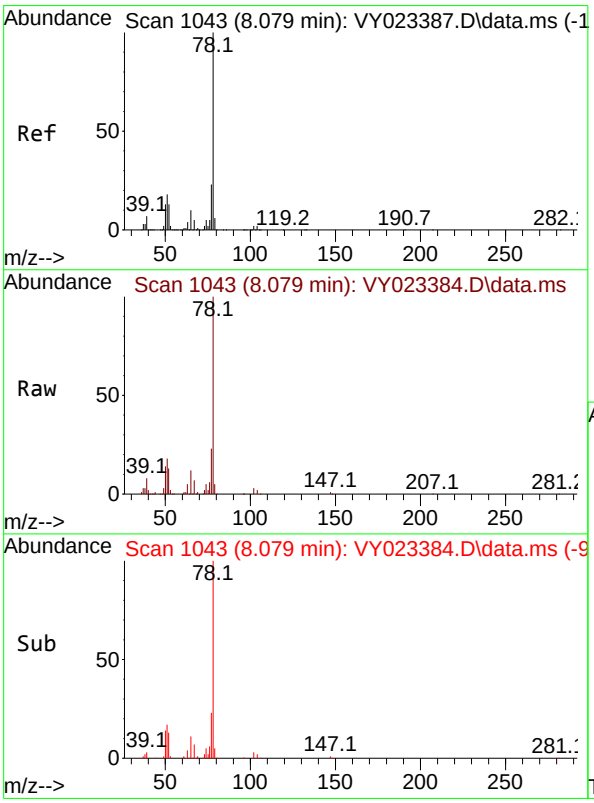
Ion	Ratio	Lower	Upper
83	100		
55	67.2	51.4	77.2
98	50.8	40.4	60.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

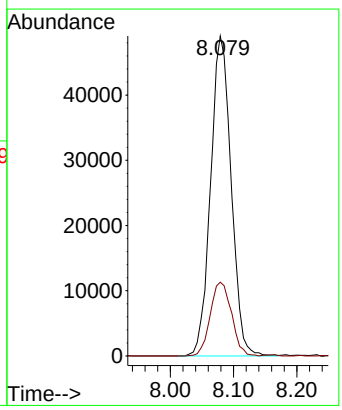
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

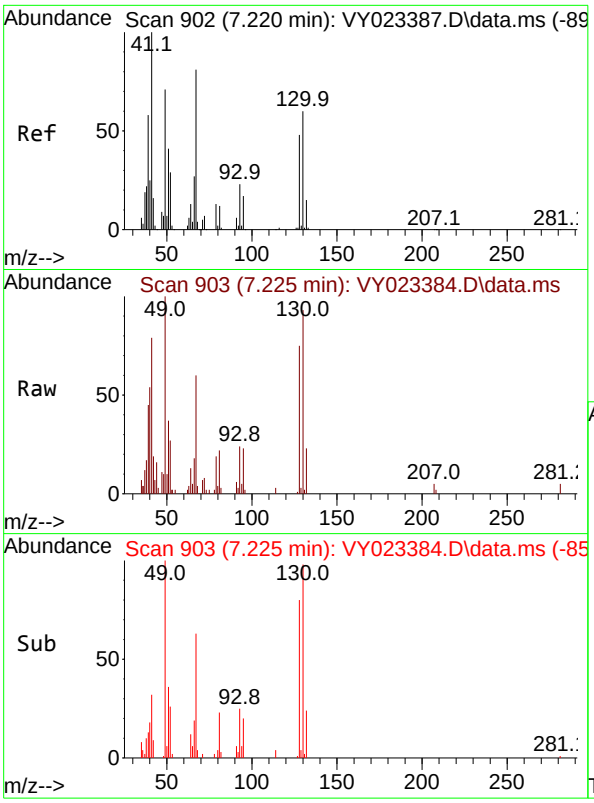


#40
Benzene
Concen: 4.693 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 78 Resp: 110551

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.3	27.5

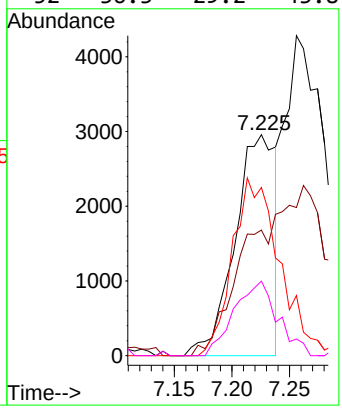




#41
Methacrylonitrile
Concen: 4.658 ug/l m
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 41 Resp: 722

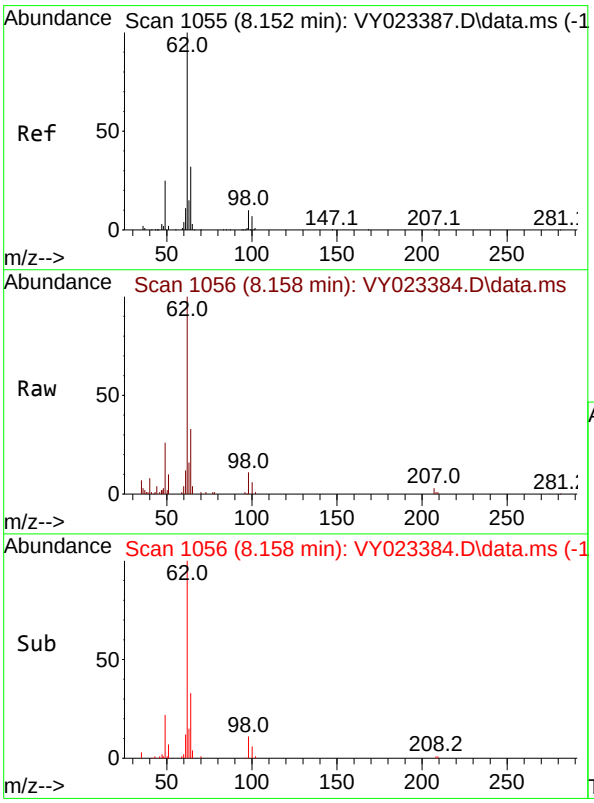
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.2	78.4
67	95.1	74.9	112.3
52	36.3	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

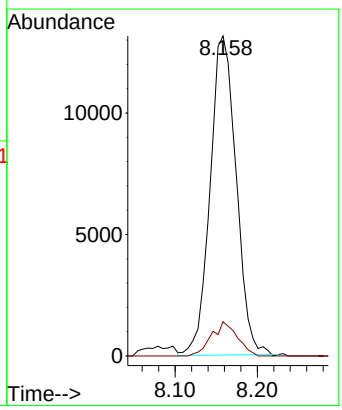
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

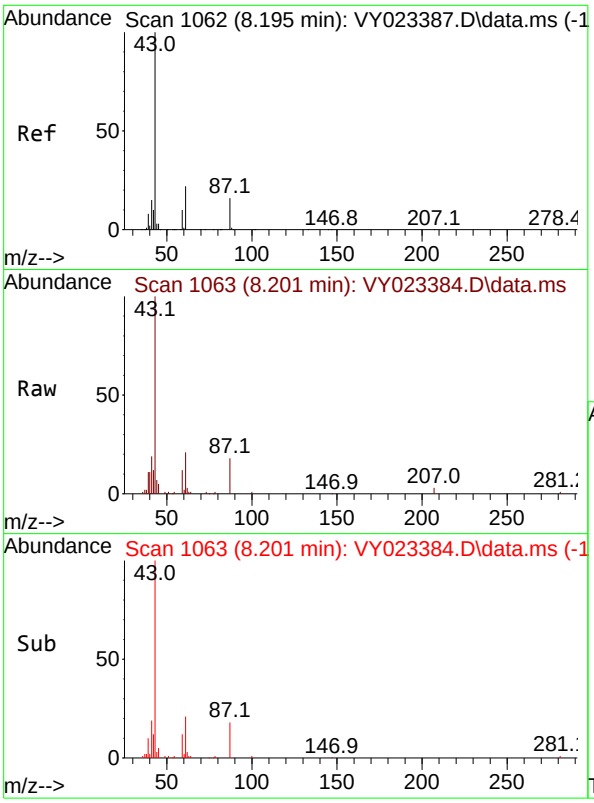


#42
1,2-Dichloroethane
Concen: 4.828 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 62 Resp: 28940

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.6

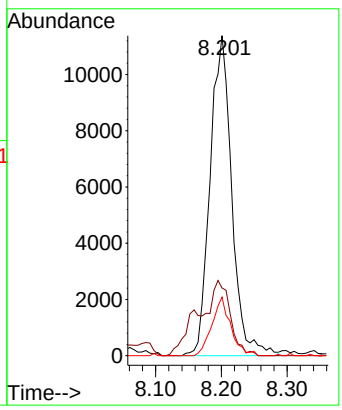




#43
Isopropyl Acetate
Concen: 4.503 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 2616

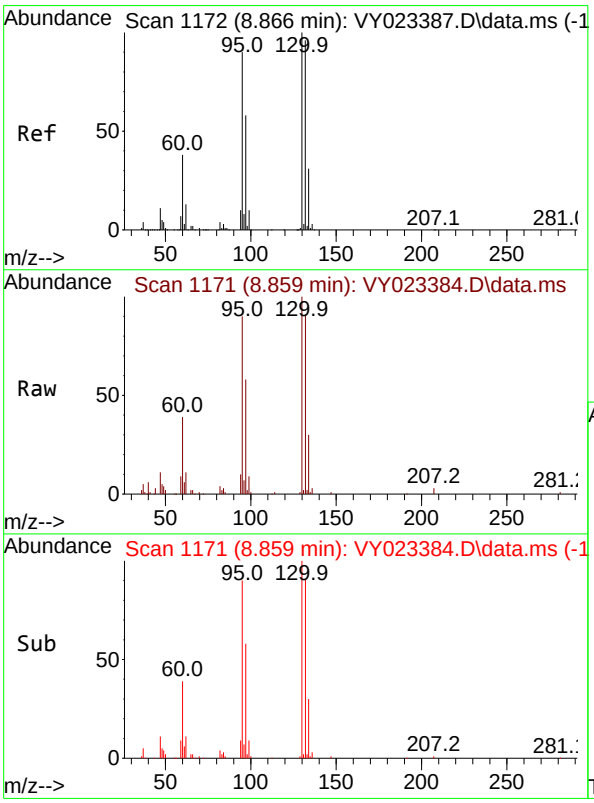
Ion	Ratio	Lower	Upper
43	100		
61	22.6	18.1	27.1
87	15.9	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

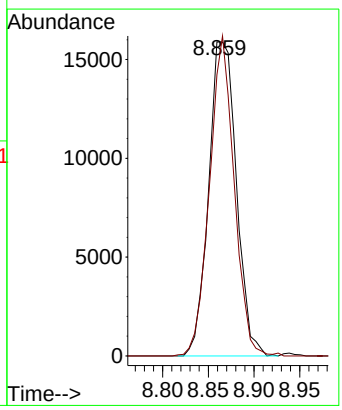
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

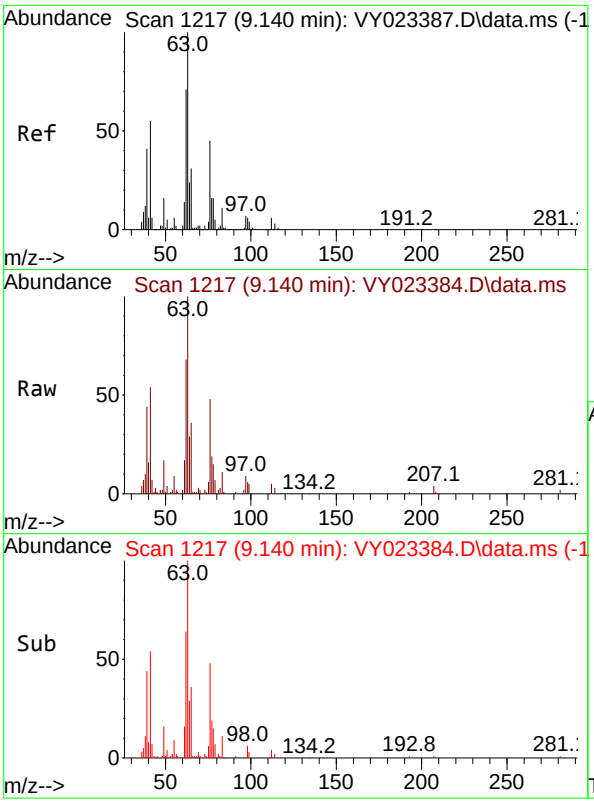


#44
Trichloroethene
Concen: 5.077 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:130 Resp: 33564

Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	180.6

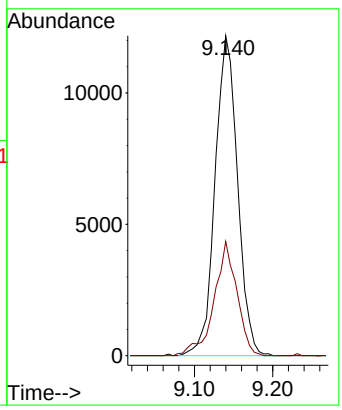




#45
1,2-Dichloropropane
Concen: 4.595 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 63 Resp: 2435

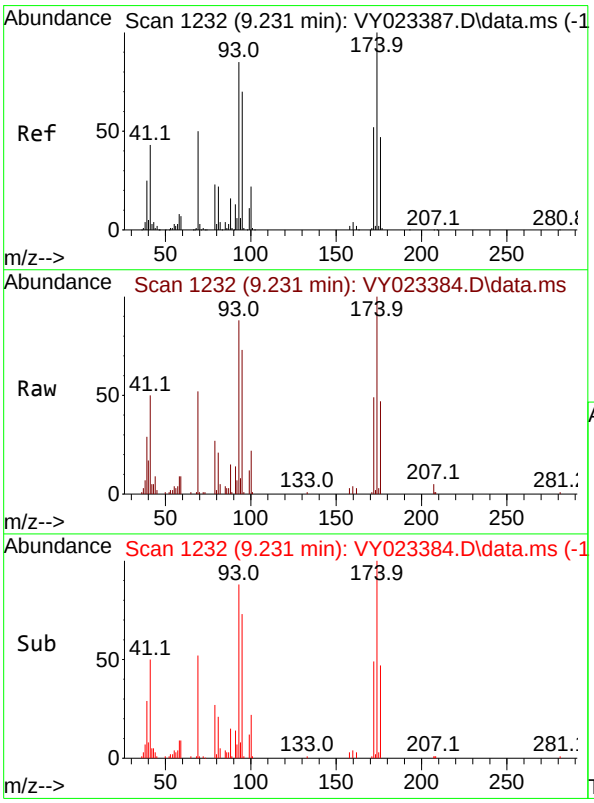
Ion	Ratio	Lower	Upper
63	100		
65	35.7	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

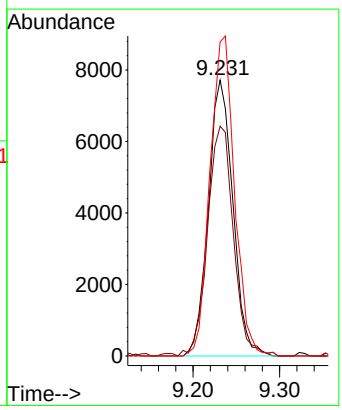
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

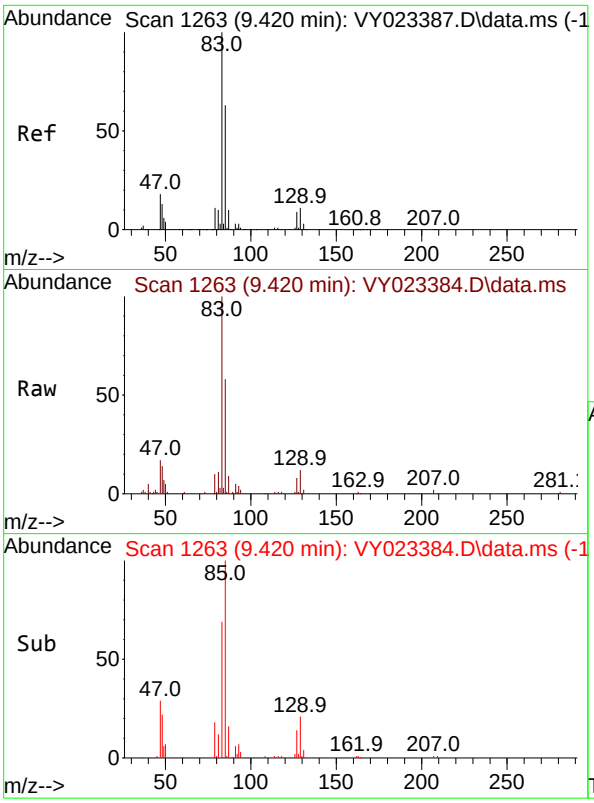


#46
Dibromomethane
Concen: 4.682 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 93 Resp: 15179

Ion	Ratio	Lower	Upper
93	100		
95	87.6	65.4	98.0
174	116.2	92.9	139.3

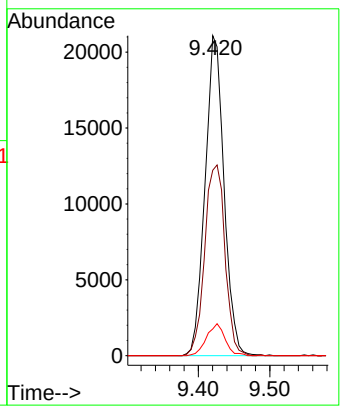




#47
Bromodichloromethane
Concen: 4.756 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 83 Resp: 3881

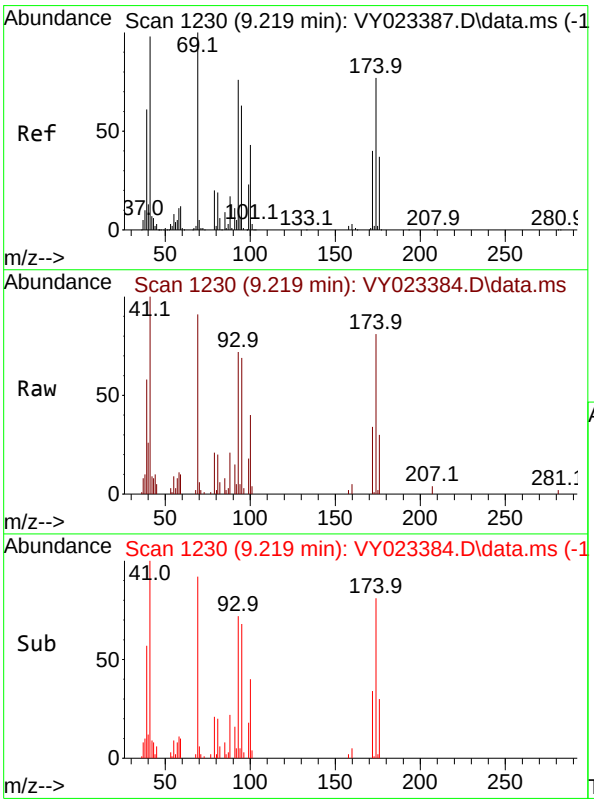
Ion	Ratio	Lower	Upper
83	100		
85	57.9	50.8	76.2
127	8.4	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

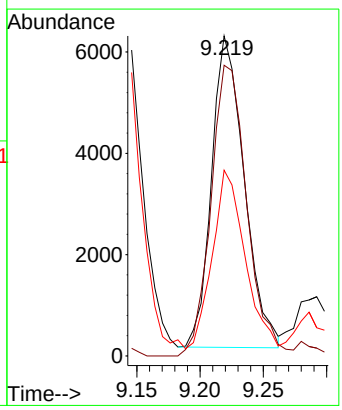
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

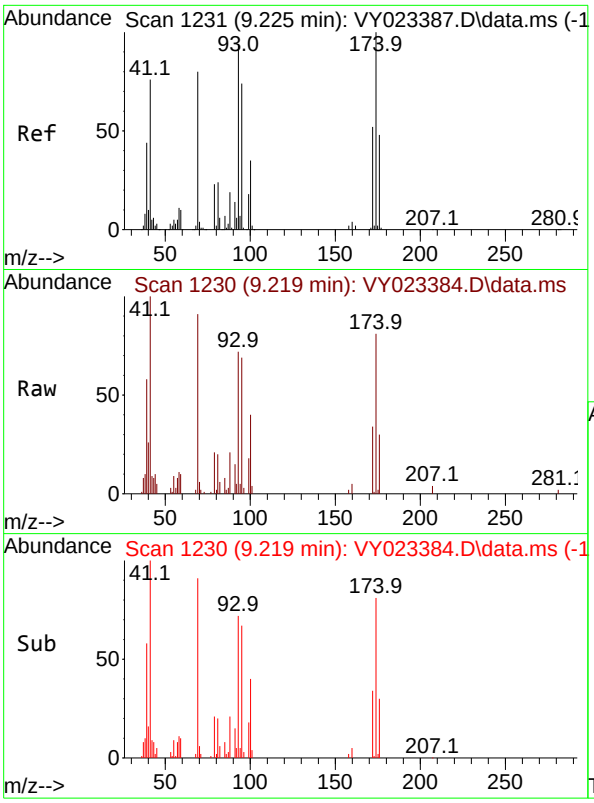


#48
Methyl methacrylate
Concen: 4.071 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 41 Resp: 11038

Ion	Ratio	Lower	Upper
41	100		
69	102.5	81.0	121.4
39	62.4	48.2	72.4





#49
1,4-Dioxane
Concen: 96.953 ug/l
RT: 9.219 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

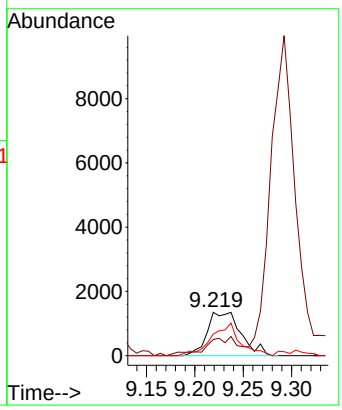
Tgt Ion: 88 Resp: 325

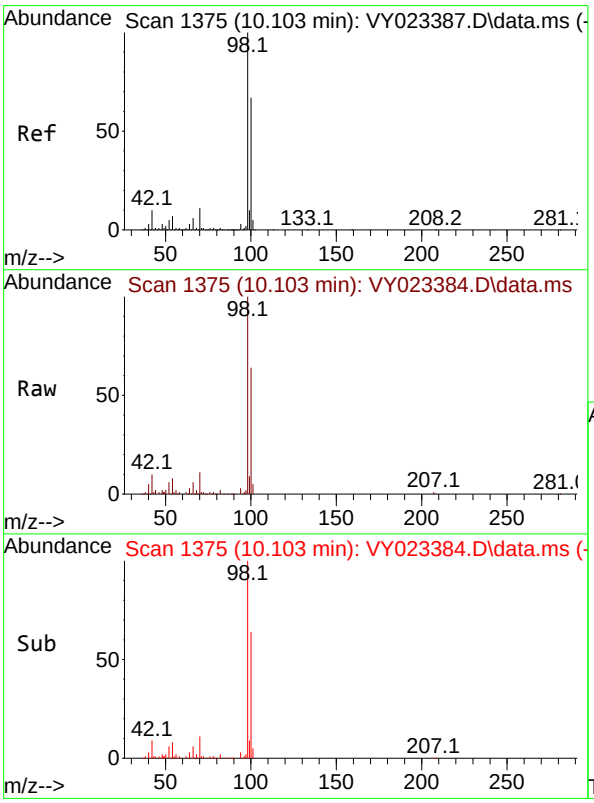
Ion	Ratio	Lower	Upper
88	100		
43	43.1	21.8	32.8
58	63.4	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

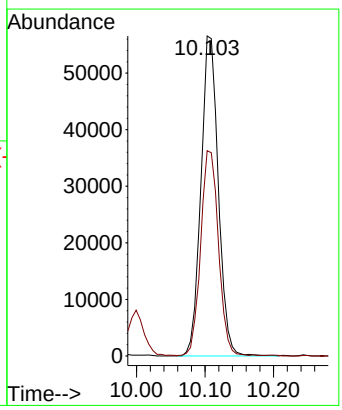


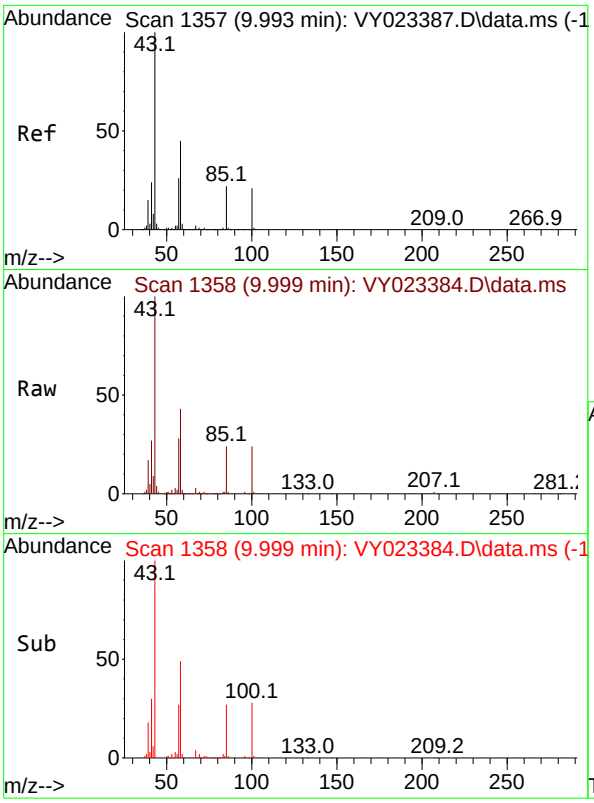


#50
Toluene-d8
Concen: 4.946 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 98 Resp: 99905

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4

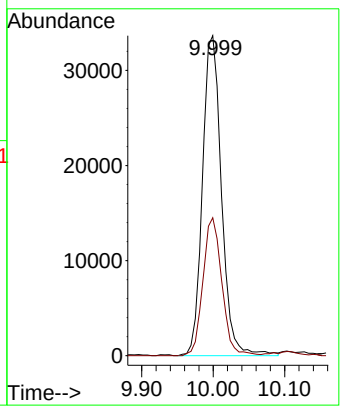




#51
4-Methyl-2-Pentanone
Concen: 20.925 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 6227

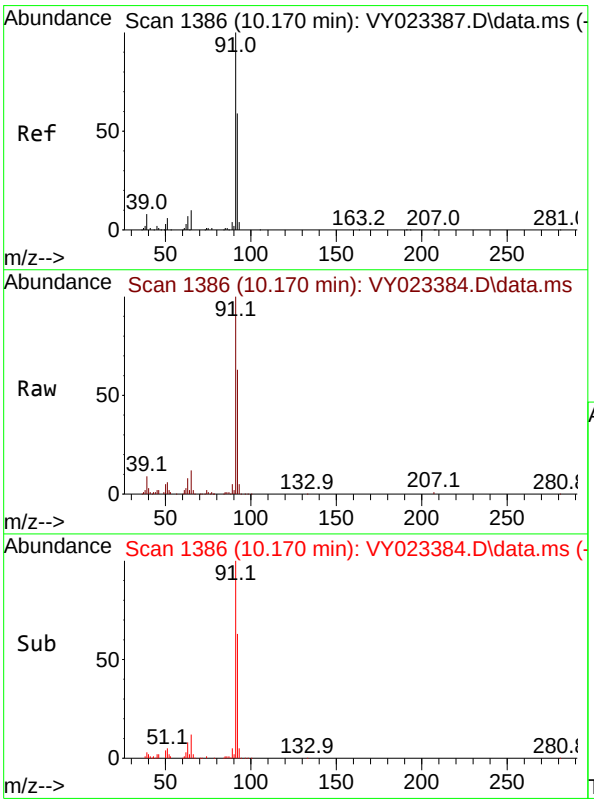
Ion	Ratio	Lower	Upper
43	100		
58	42.7	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

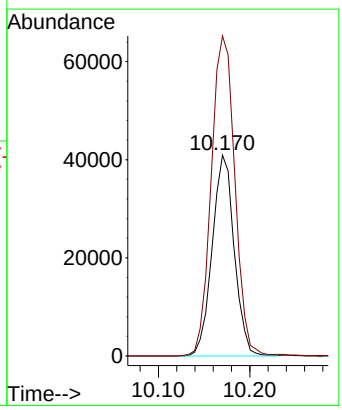
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

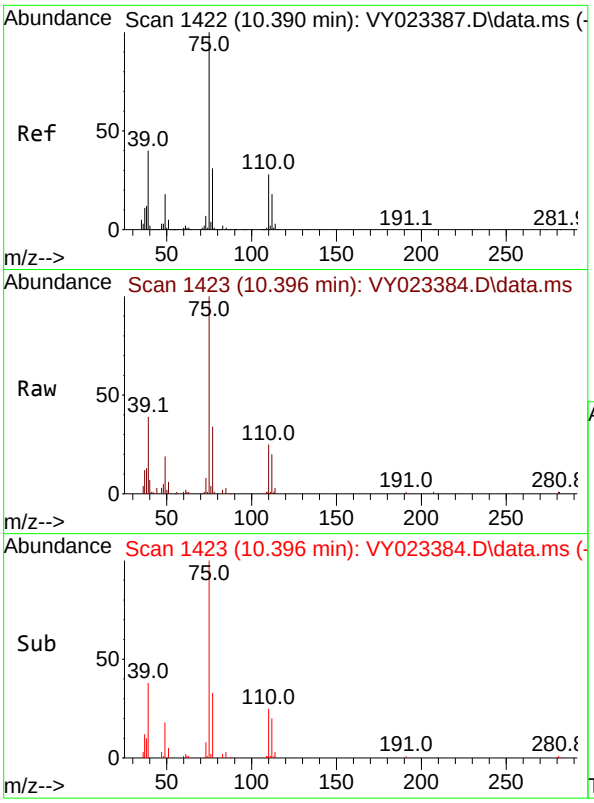


#52
Toluene
Concen: 4.585 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 92 Resp: 68550

Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.4	204.6

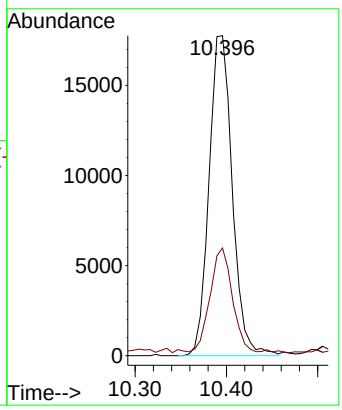




#53
t-1,3-Dichloropropene
Concen: 4.491 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 3147

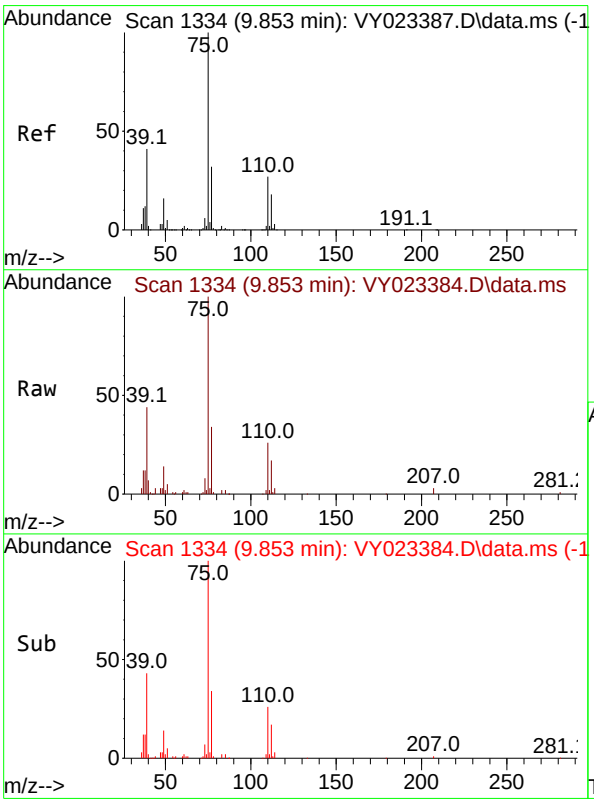
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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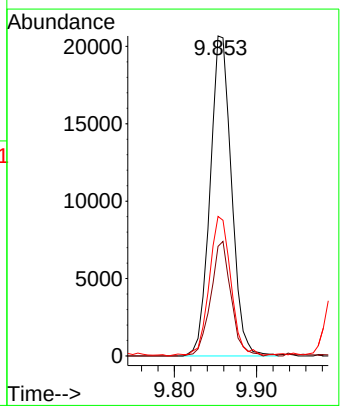
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

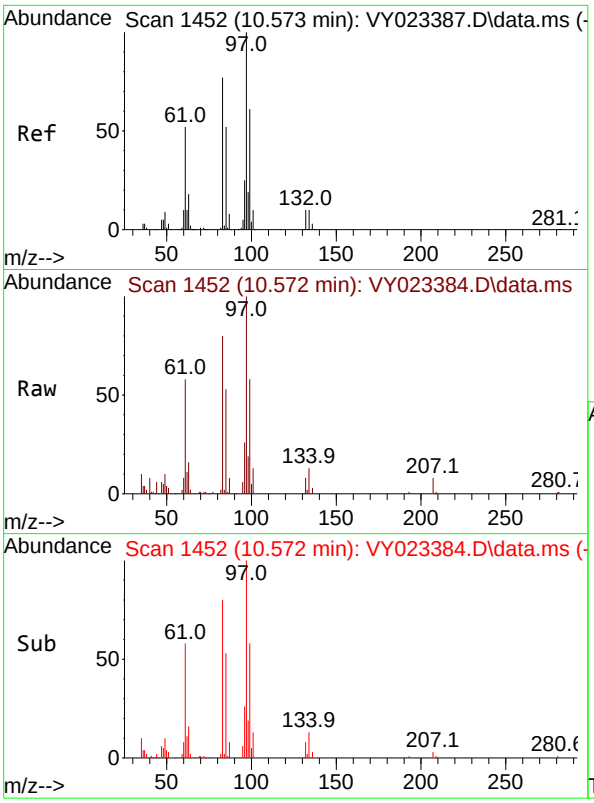


#54
cis-1,3-Dichloropropene
Concen: 4.463 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 37392

Ion	Ratio	Lower	Upper
75	100		
77	34.2	25.4	38.0
39	43.0	32.8	49.2

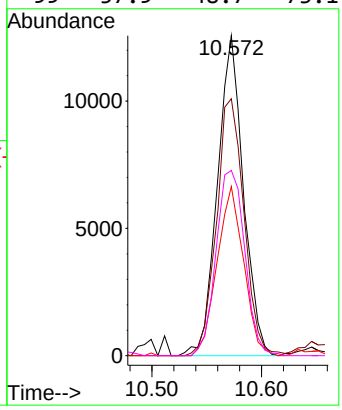




#55
1,1,2-Trichloroethane
Concen: 4.786 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 97 Resp: 2064

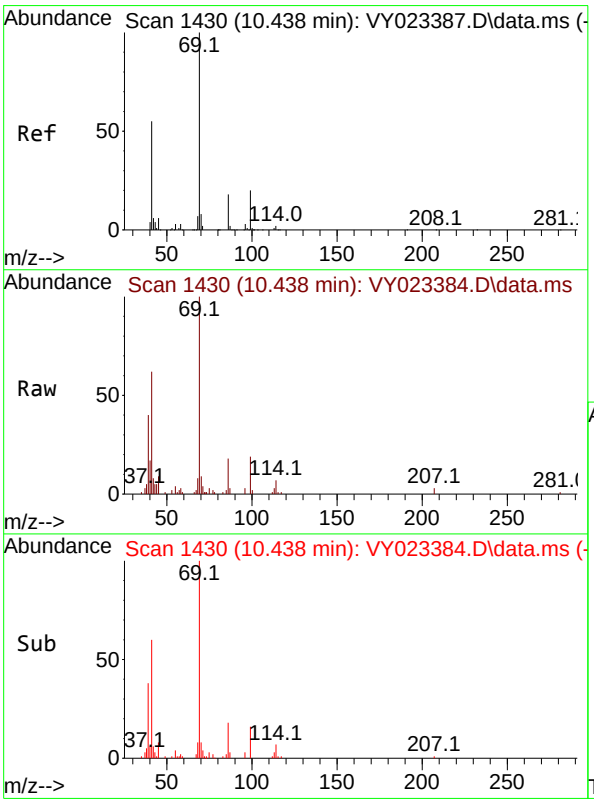
Ion	Ratio	Lower	Upper
97	100		
83	80.3	61.8	92.6
85	52.8	41.3	61.9
99	57.9	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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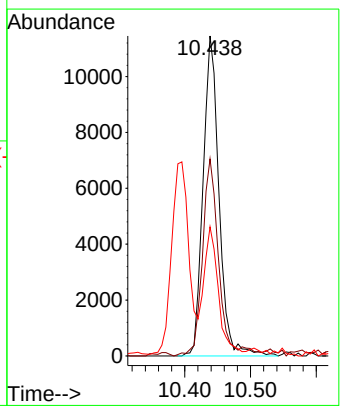
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

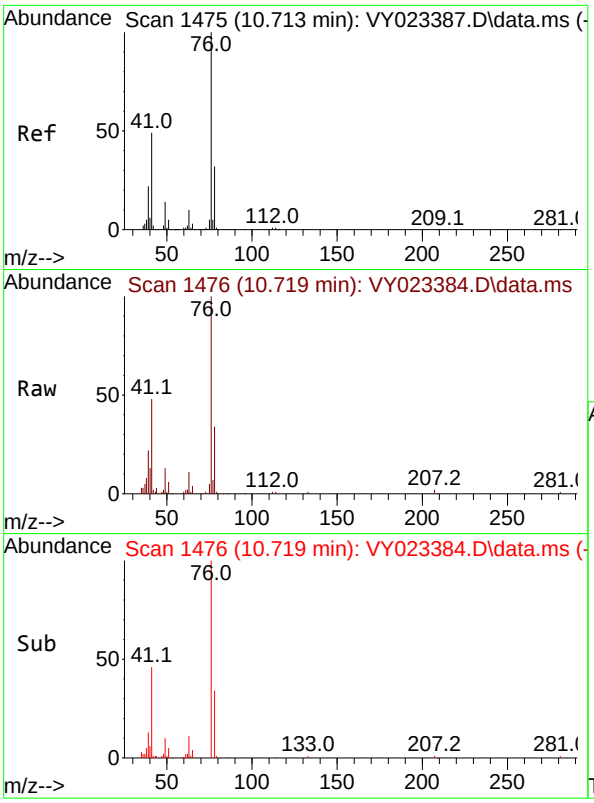


#56
Ethyl methacrylate
Concen: 3.891 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 69 Resp: 19324

Ion	Ratio	Lower	Upper
69	100		
41	60.6	44.6	67.0
39	36.2	27.0	40.4





#57
1,3-Dichloropropane
Concen: 4.560 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

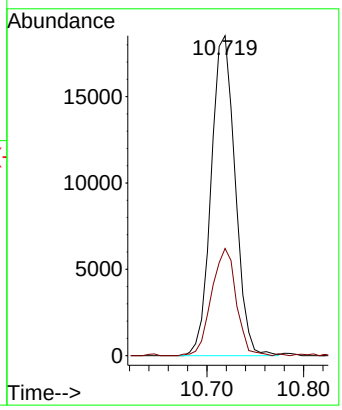
Tgt Ion: 76 Resp: 3183

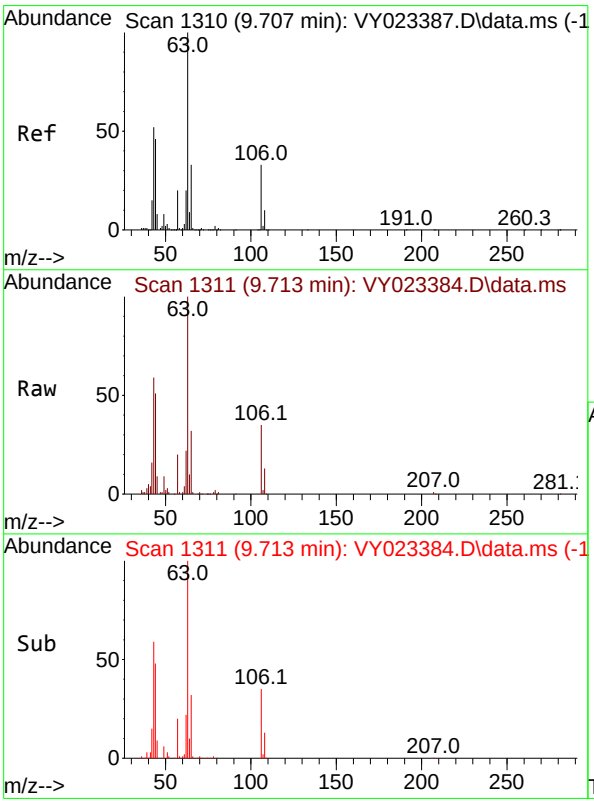
Ion	Ratio	Lower	Upper
76	100		
78	34.4	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

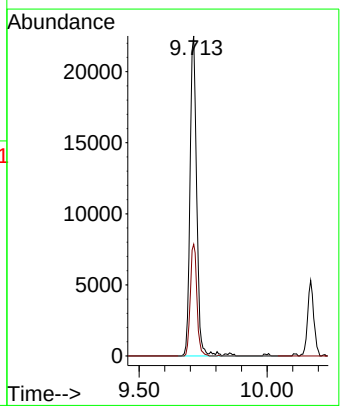


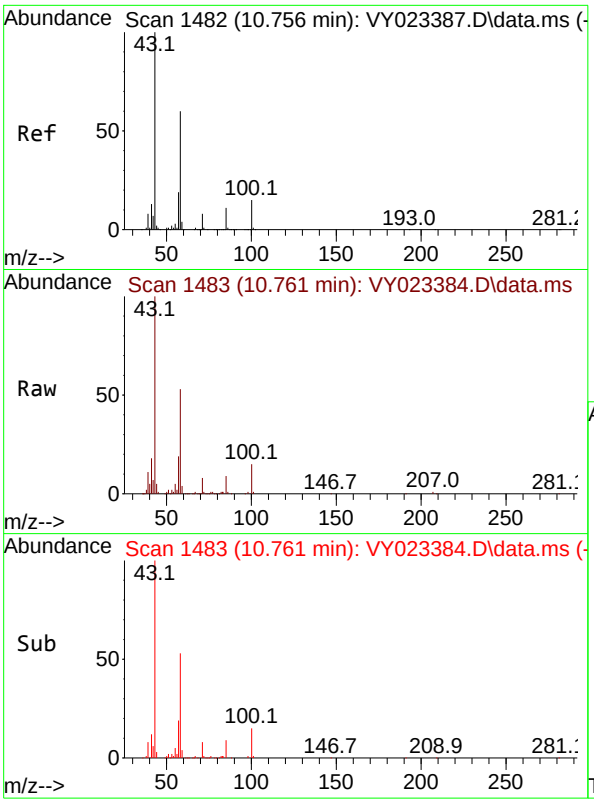


#58
2-Chloroethyl Vinyl ether
Concen: 18.894 ug/l m
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 63 Resp: 41054

Ion	Ratio	Lower	Upper
63	100		
106	34.1	26.6	39.8





#59
2-Hexanone
Concen: 23.185 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

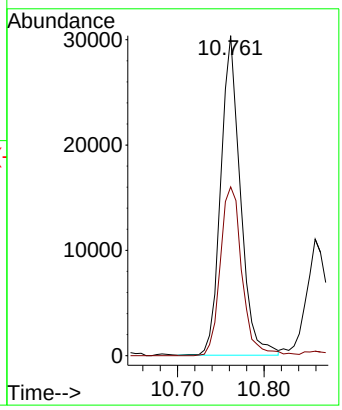
Tgt Ion: 43 Resp: 4777

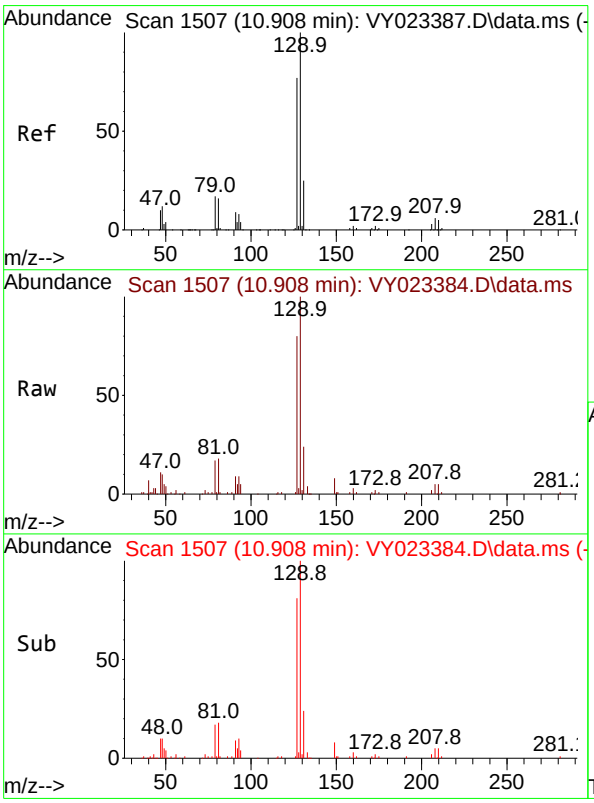
Ion	Ratio	Lower	Upper
43	100		
58	58.4	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

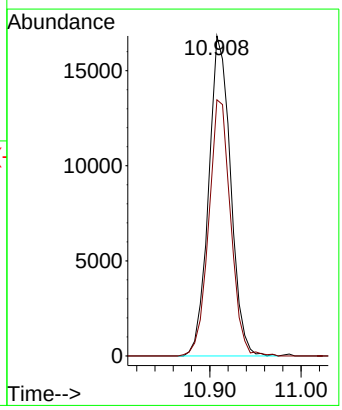


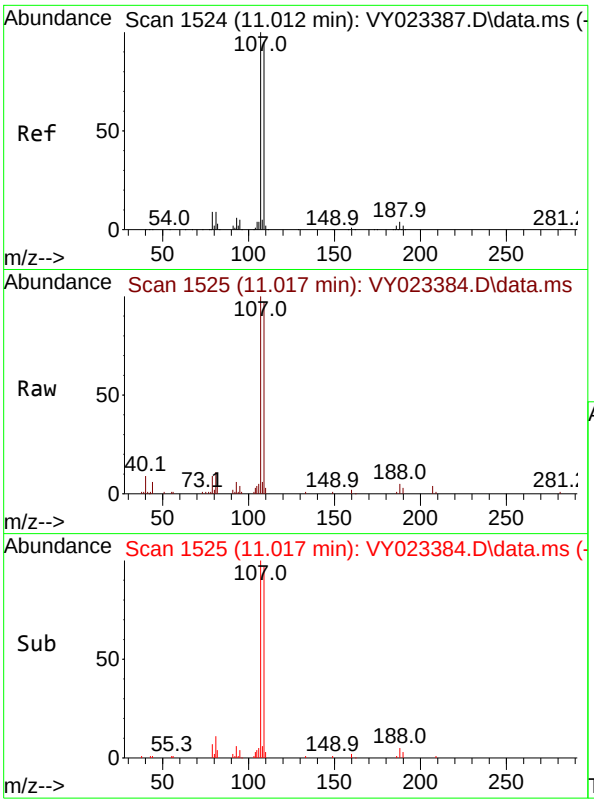


#60
Dibromochloromethane
Concen: 4.783 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:129 Resp: 28135

Ion	Ratio	Lower	Upper
129	100		
127	79.7	38.6	115.7

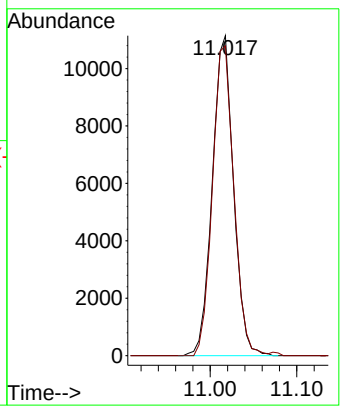




#61
1,2-Dibromoethane
Concen: 4.673 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:107 Resp: 1895

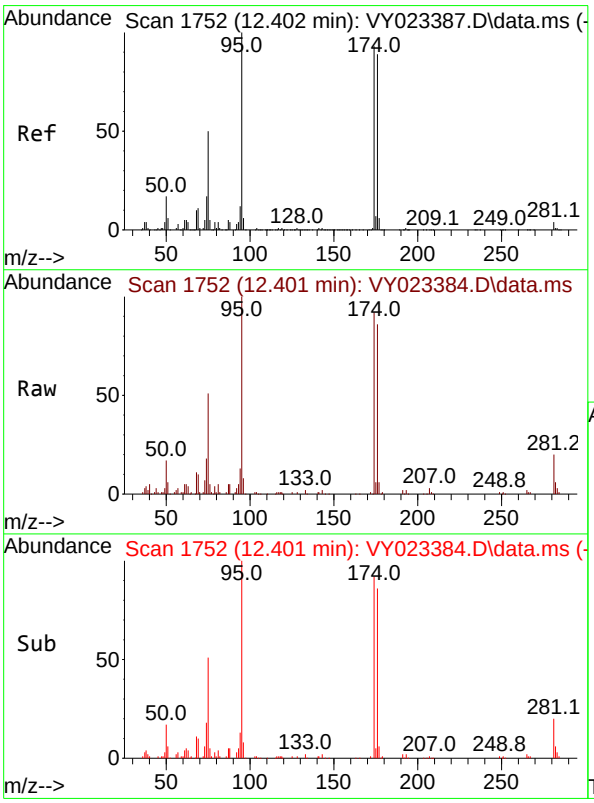
Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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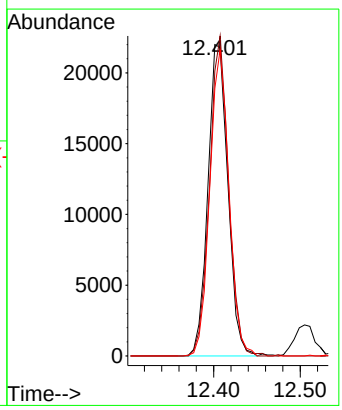
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

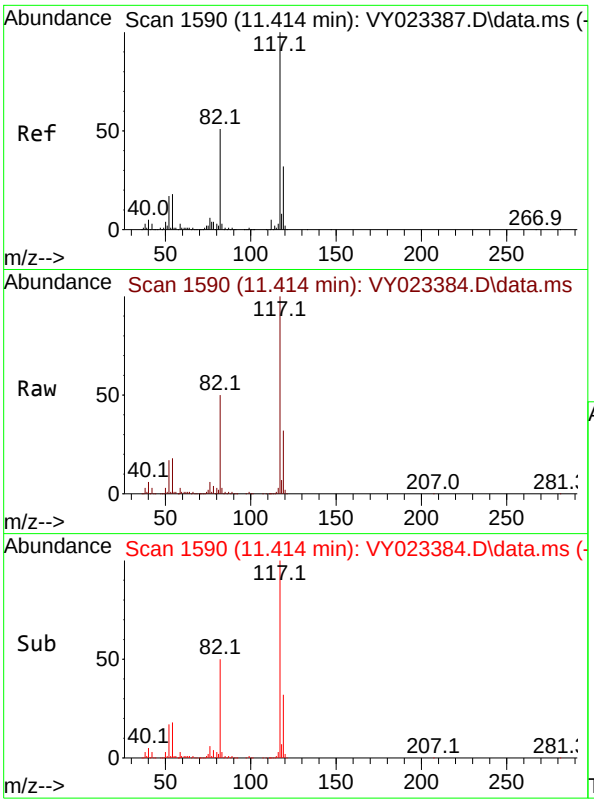


#62
4-Bromofluorobenzene
Concen: 5.548 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 95 Resp: 35355

Ion	Ratio	Lower	Upper
95	100		
174	97.9	0.0	192.8
176	94.0	0.0	187.6

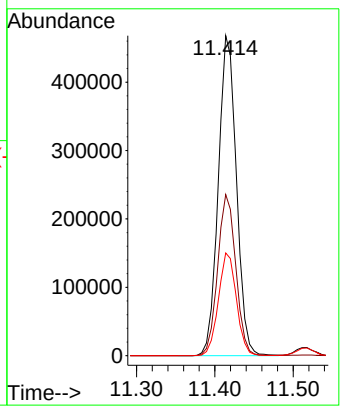




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:117 Resp: 75339

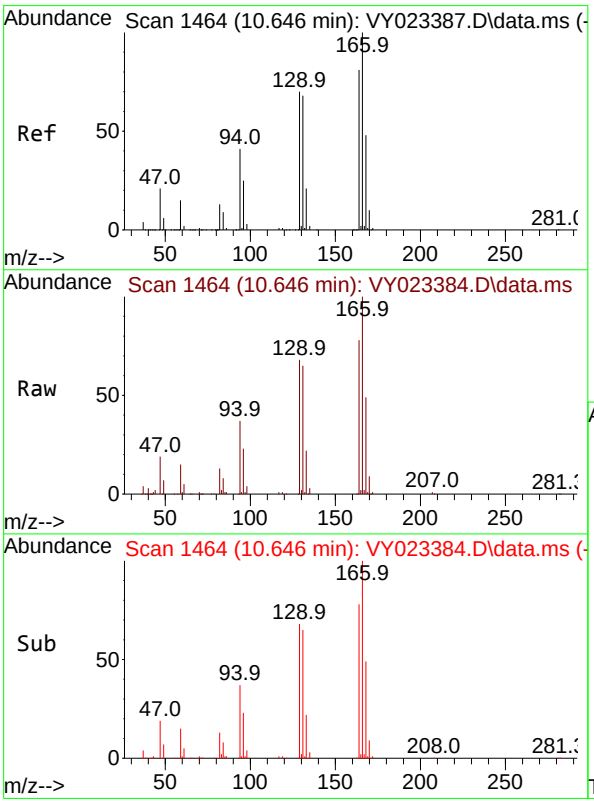
Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.0	61.4
119	32.1	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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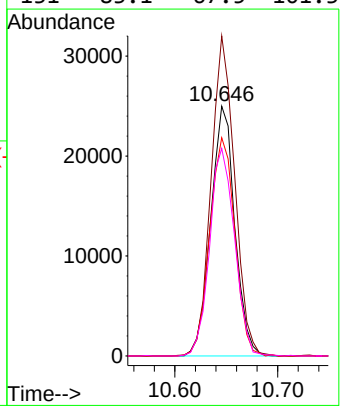
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

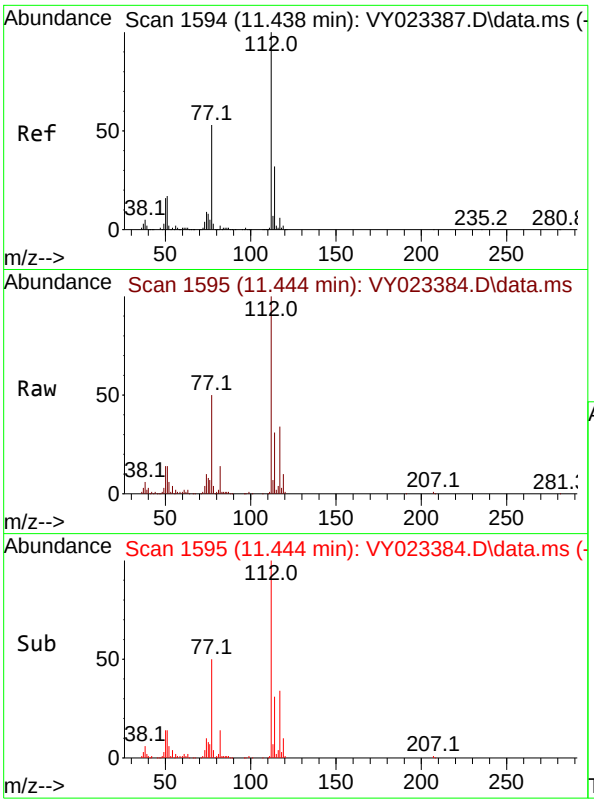


#64
Tetrachloroethene
Concen: 5.383 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:164 Resp: 40570

Ion	Ratio	Lower	Upper
164	100		
166	128.1	99.4	149.0
129	87.4	69.4	104.2
131	83.1	67.5	101.3

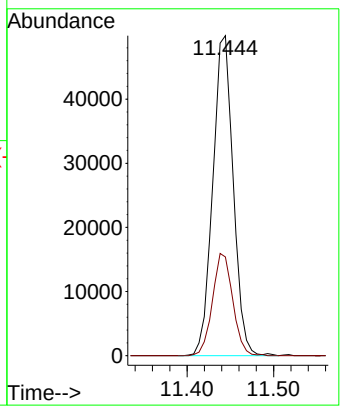




#65
Chlorobenzene
Concen: 4.997 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:112 Resp: 8180

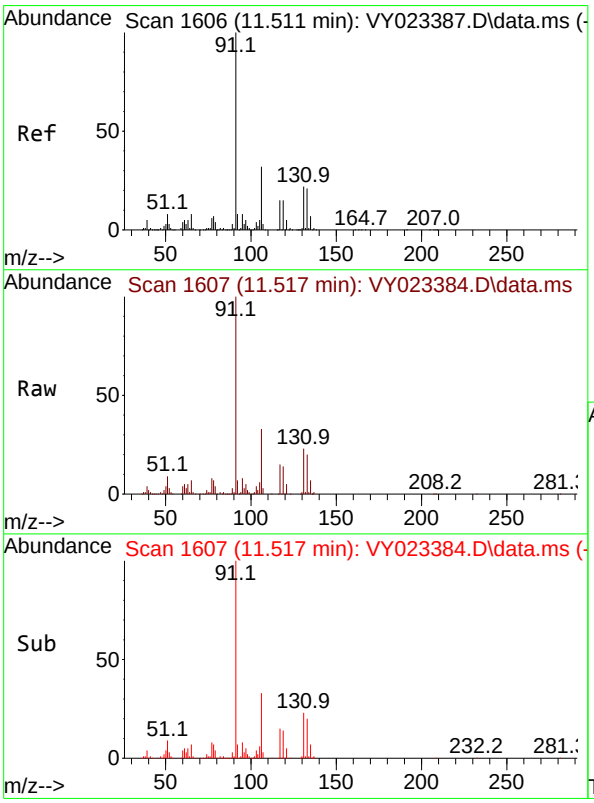
Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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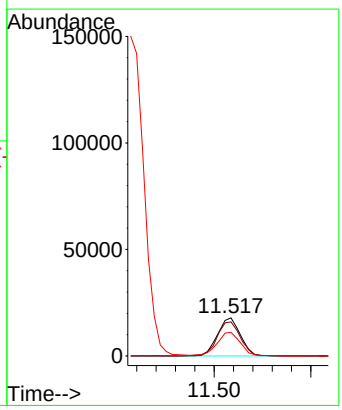
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

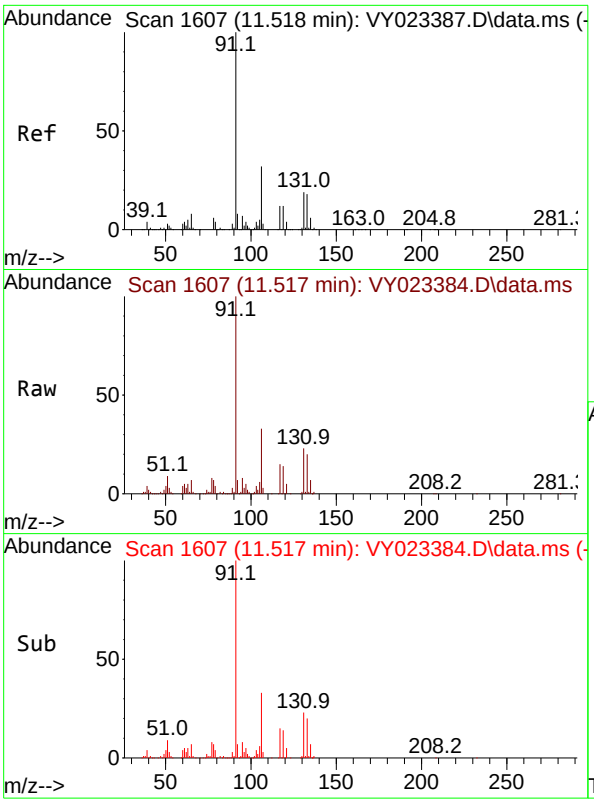


#66
1,1,1,2-Tetrachloroethane
Concen: 5.075 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:131 Resp: 29222

Ion	Ratio	Lower	Upper
131	100		
133	91.7	48.4	145.2
119	64.1	32.4	97.2

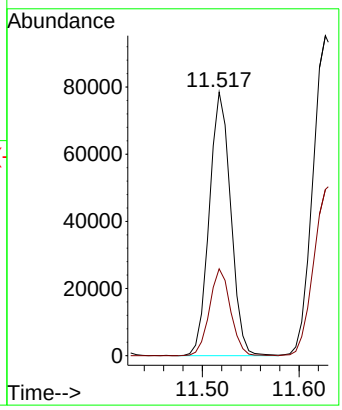




#67
Ethyl Benzene
Concen: 4.529 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 12100

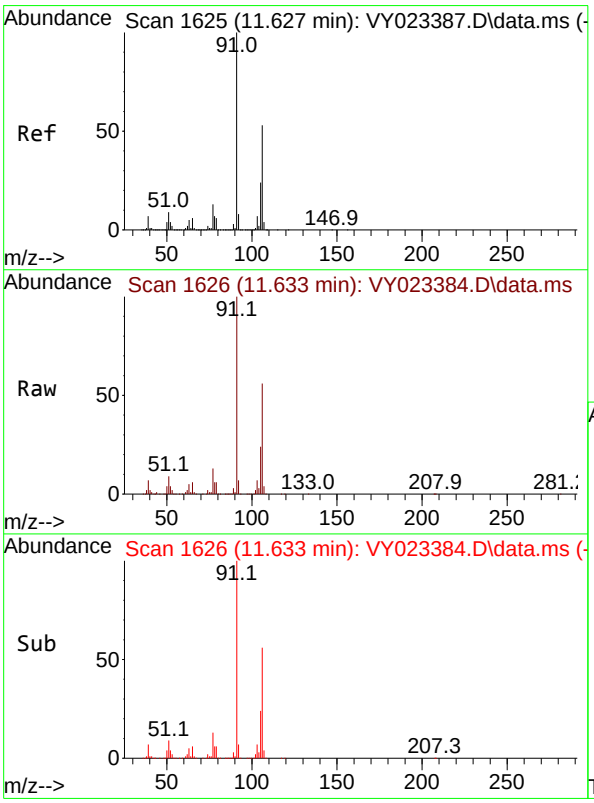
Ion	Ratio	Lower	Upper
91	100		
106	33.0	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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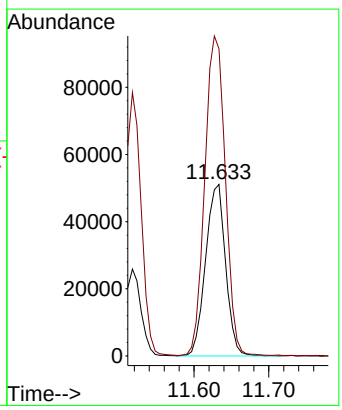
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

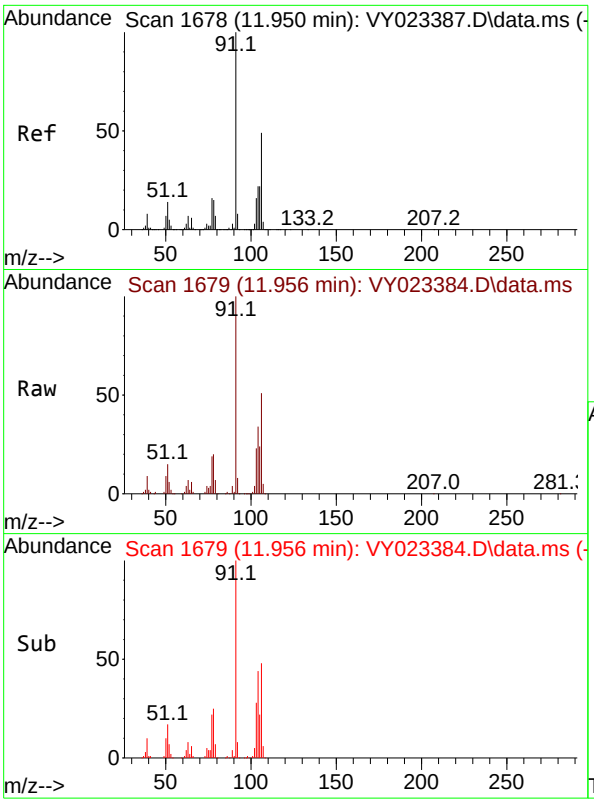


#68
m/p-Xylenes
Concen: 8.887 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:106 Resp: 95176

Ion	Ratio	Lower	Upper
106	100		
91	190.5	152.6	229.0





#69
o-Xylene
Concen: 4.466 ug/l
RT: 11.956 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

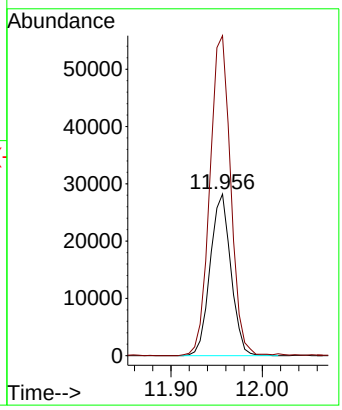
Tgt Ion:106 Resp: 4428(

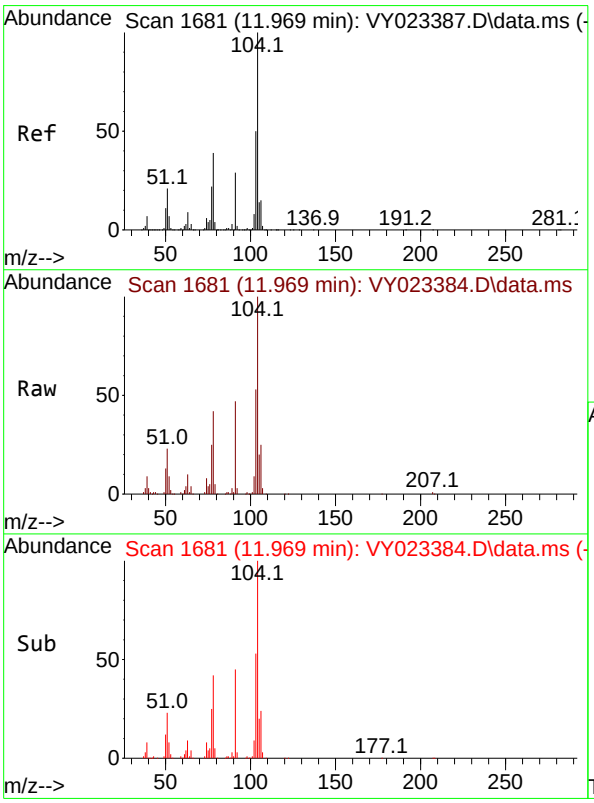
Ion	Ratio	Lower	Upper
106	100		
91	199.7	101.4	304.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

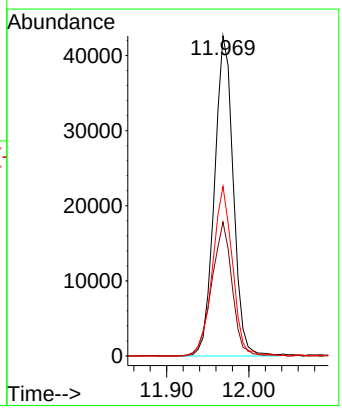


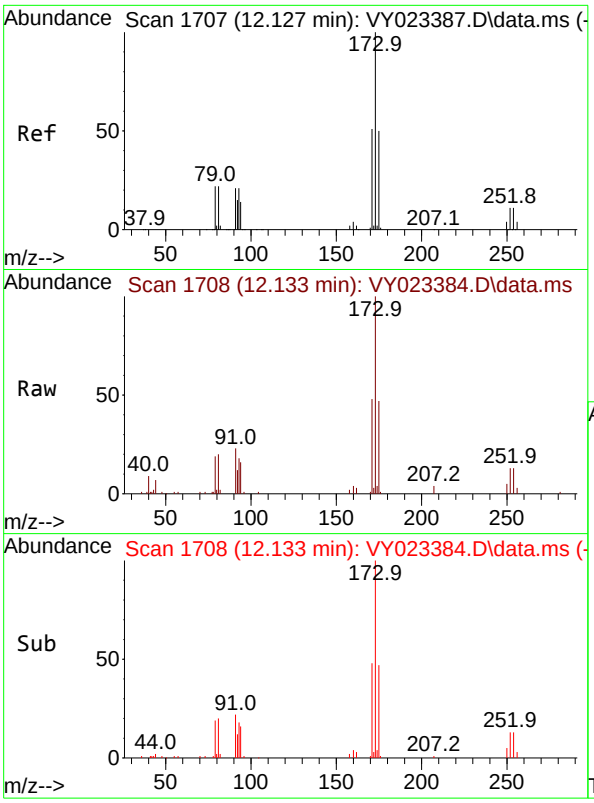


#70
Styrene
Concen: 4.152 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:104 Resp: 67960

Ion	Ratio	Lower	Upper
104	100		
78	45.1	36.1	54.1
103	55.9	43.2	64.8

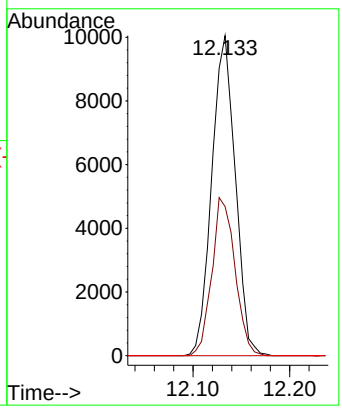




#71
Bromoform
Concen: 4.929 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:173 Resp: 1698

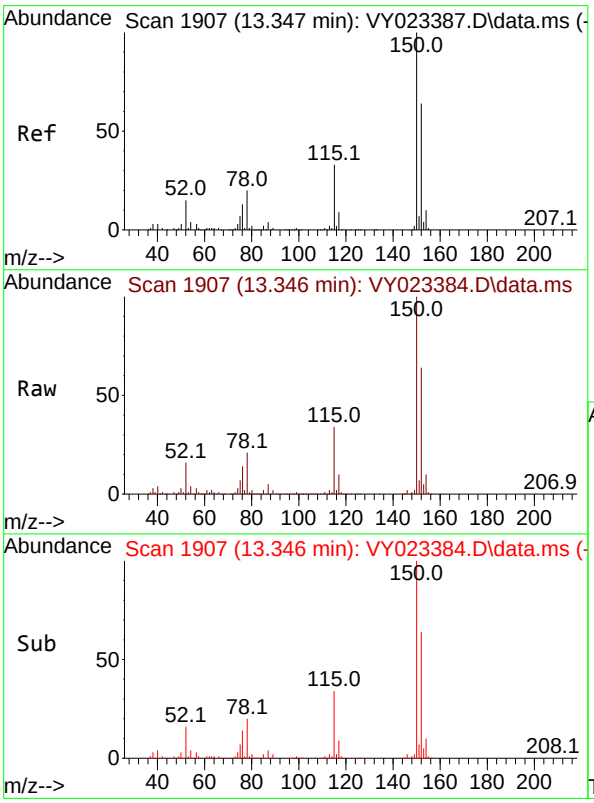
Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.8	74.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

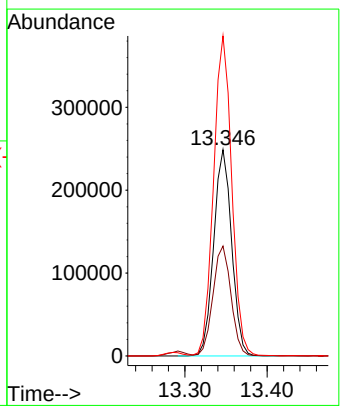
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

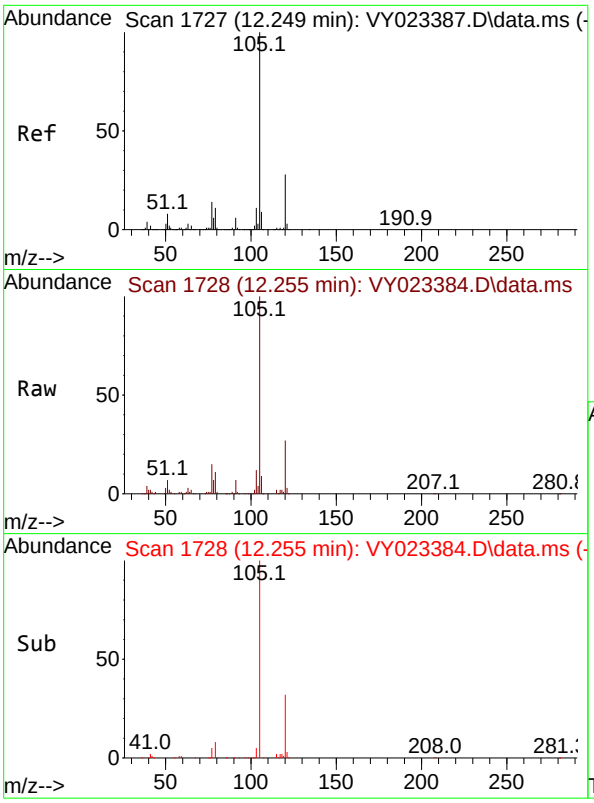


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:152 Resp: 378104

Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.1	81.2
150	156.6	0.0	347.4

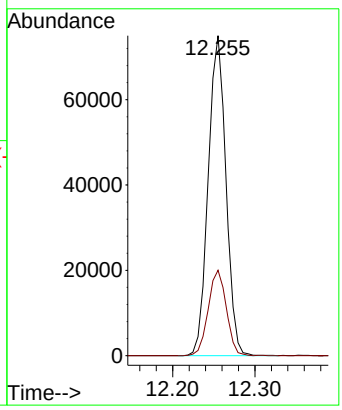




#73
Isopropylbenzene
Concen: 4.455 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:105 Resp: 11219

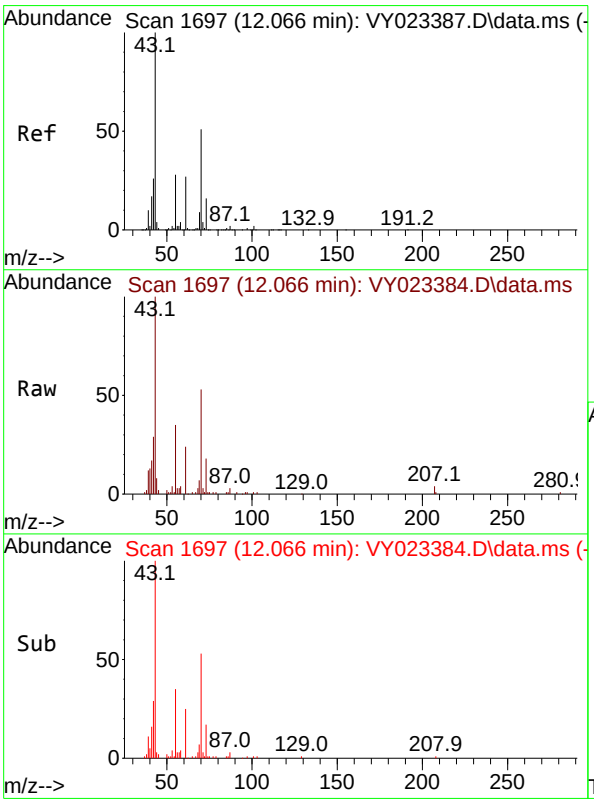
Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

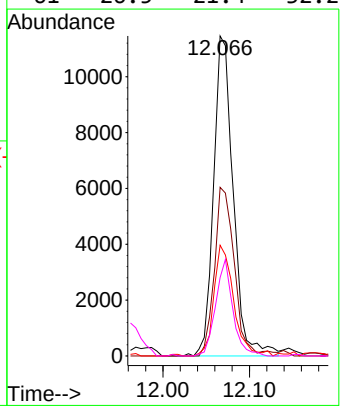
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

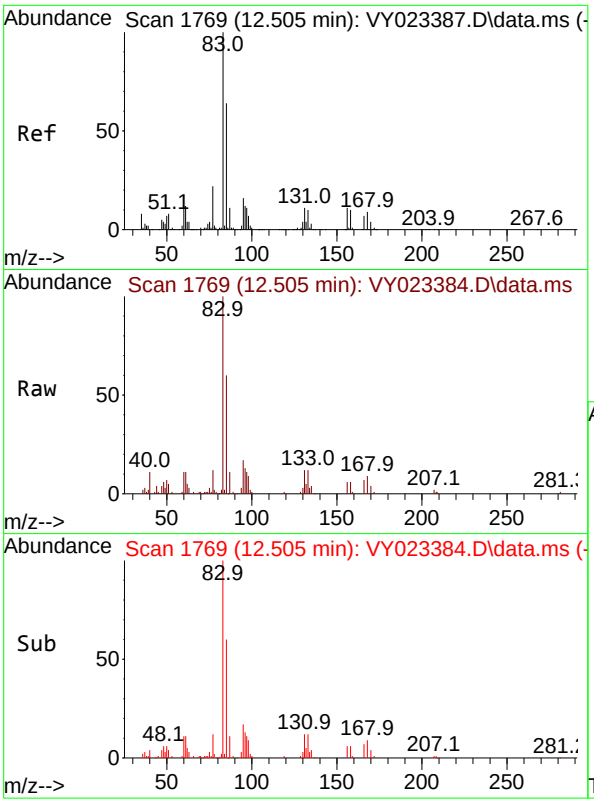


#74
N-amyl acetate
Concen: 3.833 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 18041

Ion	Ratio	Lower	Upper
43	100		
70	53.0	41.1	61.7
55	35.3	23.0	34.6#
61	26.5	21.4	32.2

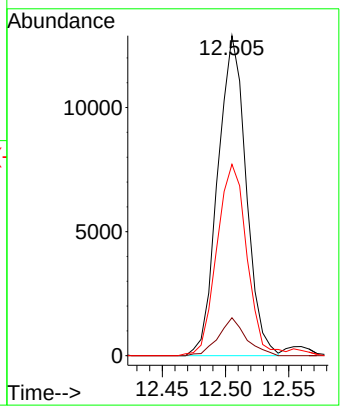




#75
1,1,2,2-Tetrachloroethane
Concen: 4.773 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 83 Resp: 2005

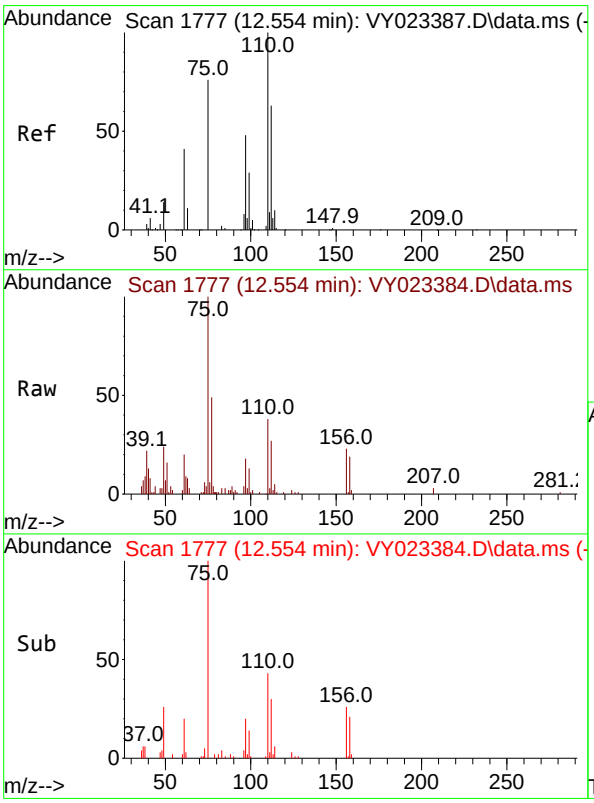
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.9	17.6
85	63.4	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

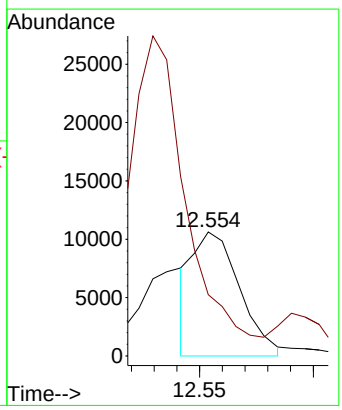
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

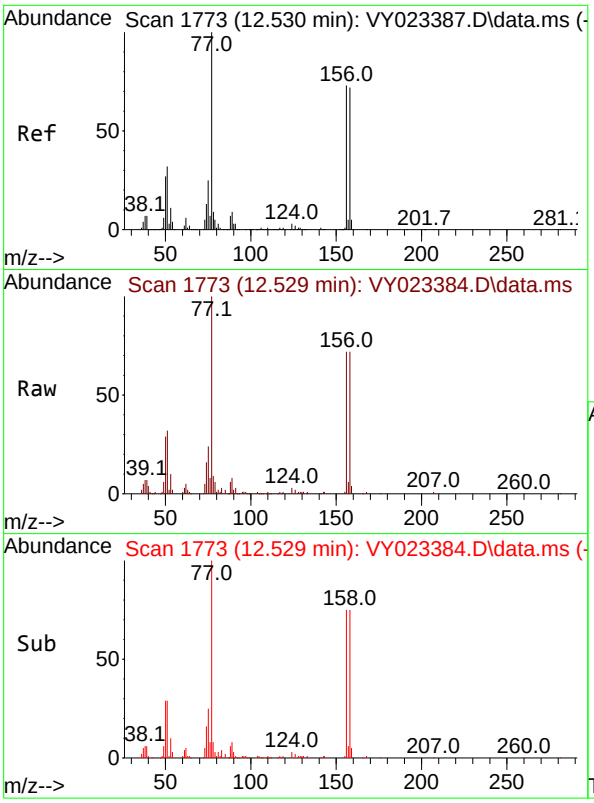


#76
1,2,3-Trichloropropane
Concen: 4.118 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 15359

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

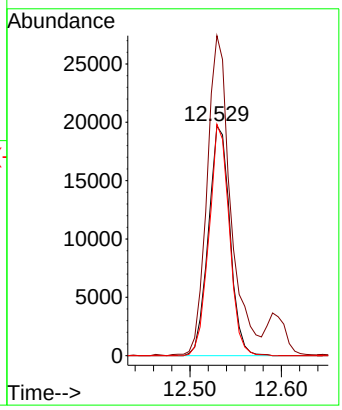




#77
Bromobenzene
Concen: 4.967 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:156 Resp: 3210

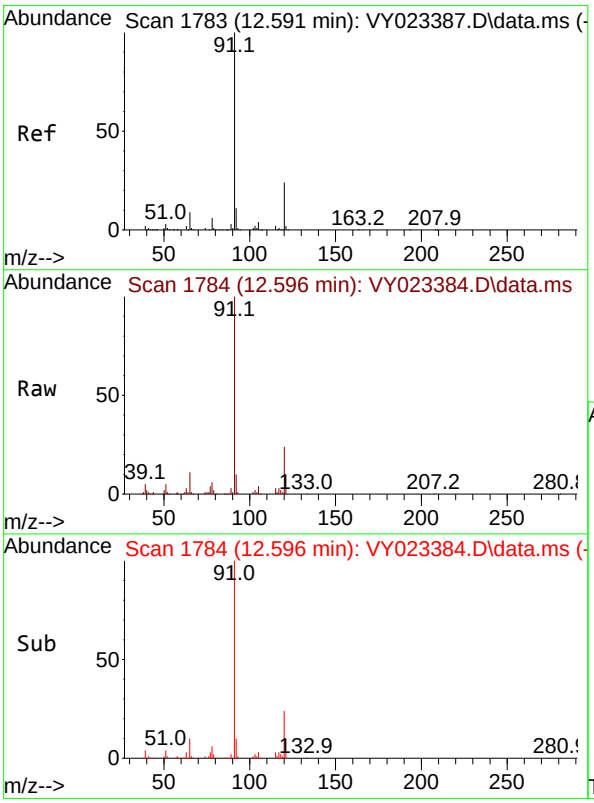
Ion	Ratio	Lower	Upper
156	100		
77	154.2	76.8	230.5
158	95.0	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

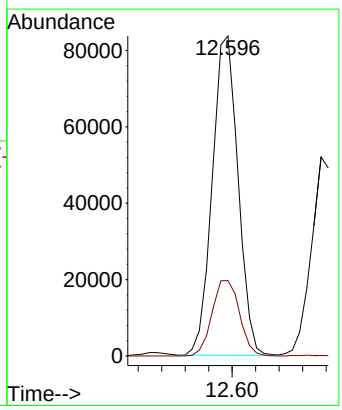
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

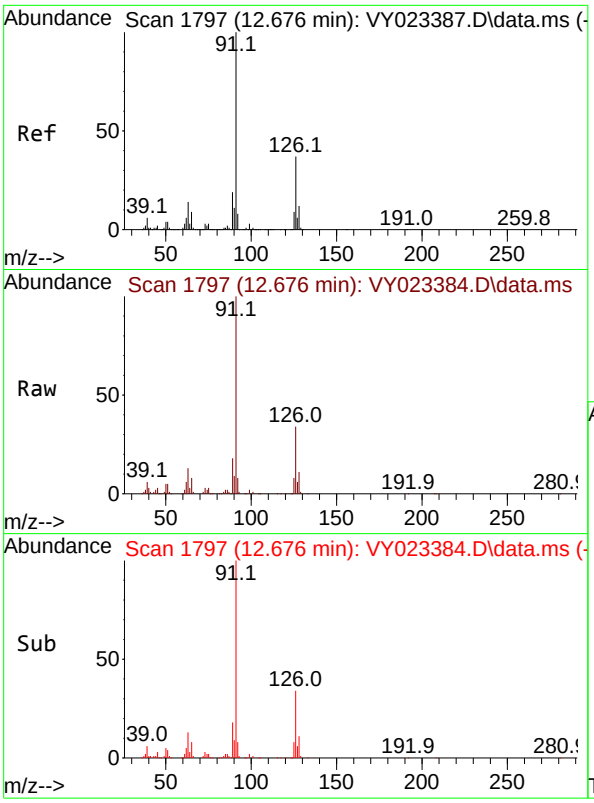


#78
n-propylbenzene
Concen: 4.305 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 127521

Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.3	36.8

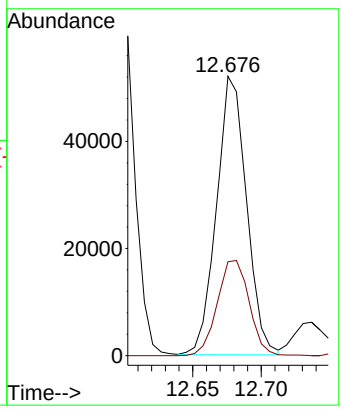




#79
2-Chlorotoluene
Concen: 4.631 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 7919

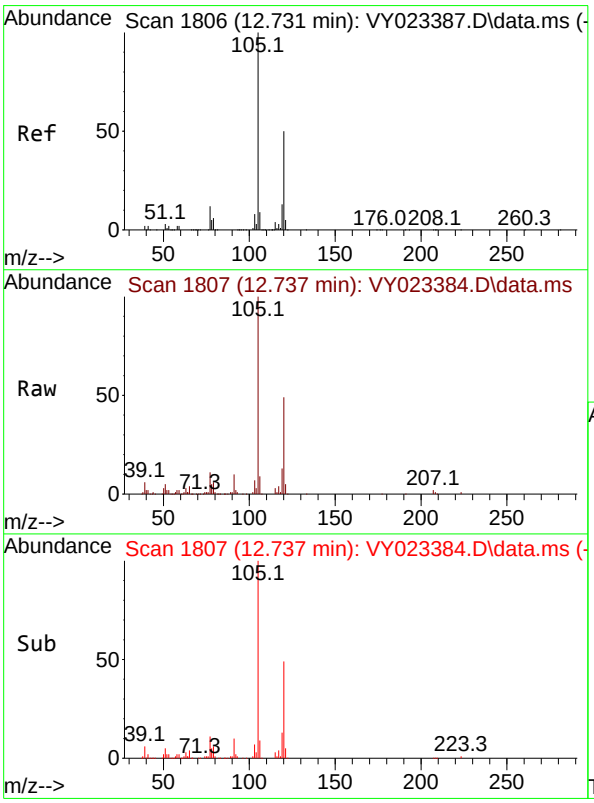
Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

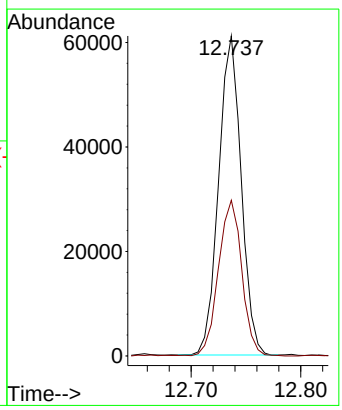
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

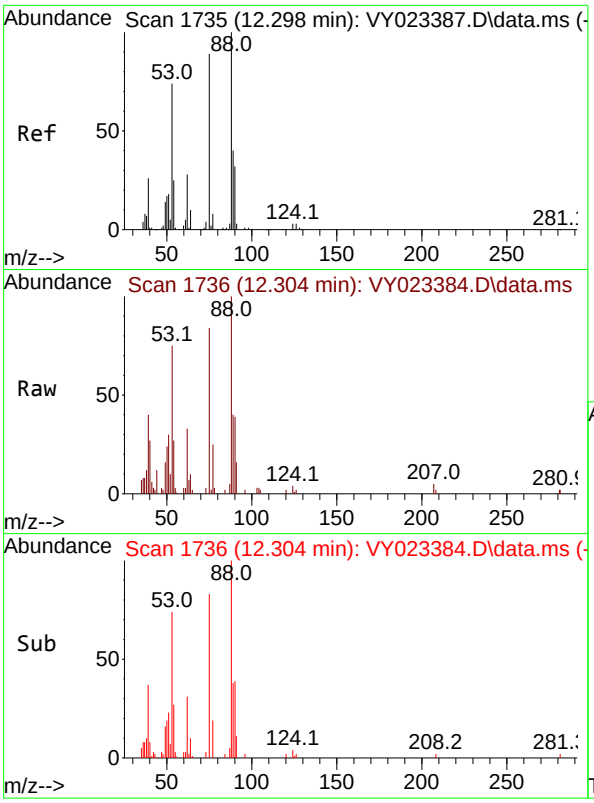


#80
1,3,5-Trimethylbenzene
Concen: 4.264 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:105 Resp: 87297

Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.4	76.4

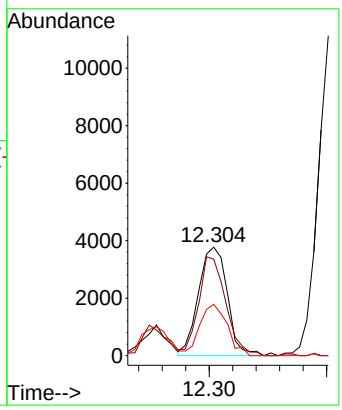




#81
trans-1,4-Dichloro-2-butene
Concen: 4.680 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 647

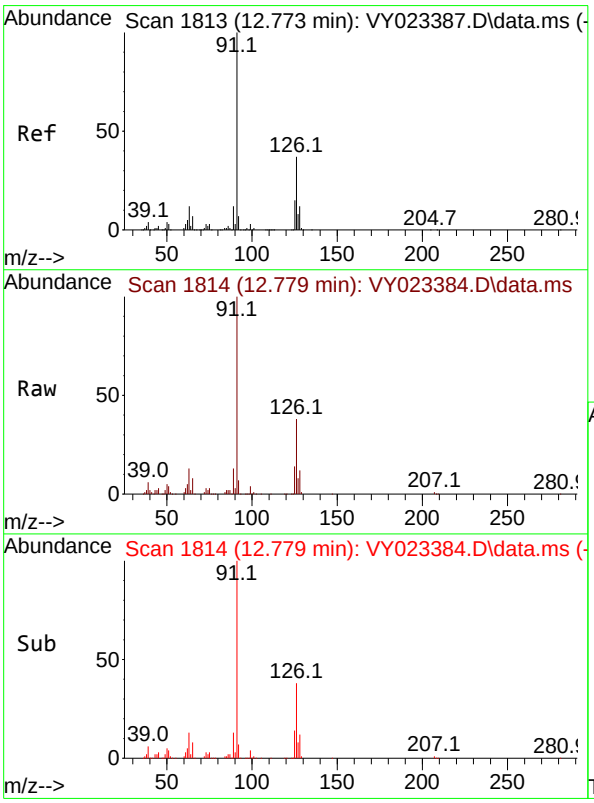
Ion	Ratio	Lower	Upper
75	100		
53	85.6	68.6	102.8
89	44.4	39.0	58.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

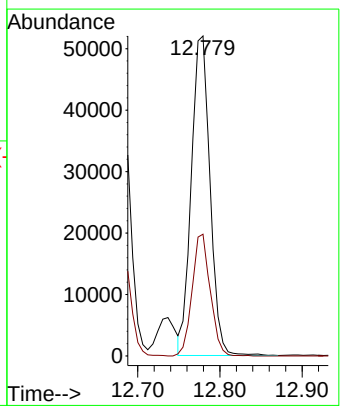
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

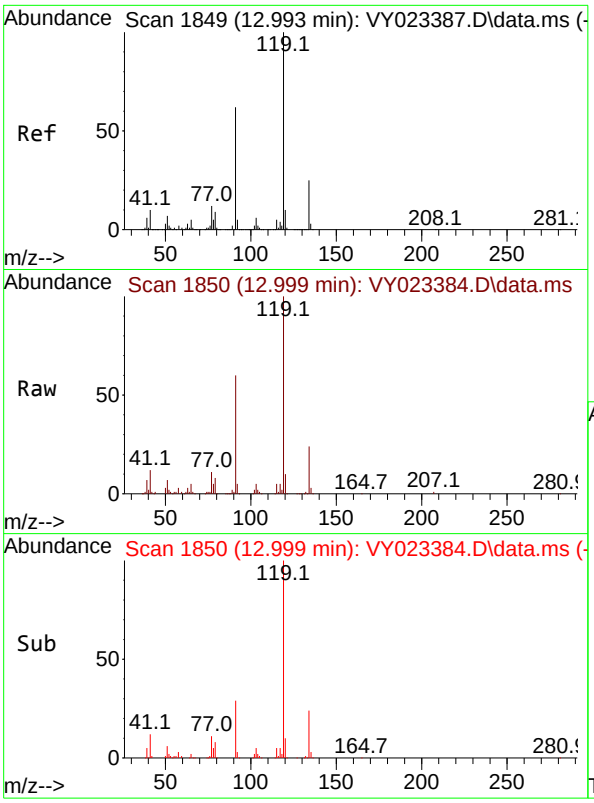


#82
4-Chlorotoluene
Concen: 4.600 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 82155

Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.4	55.4

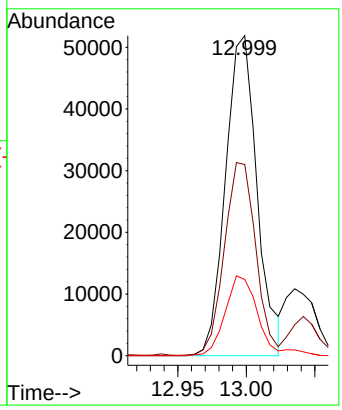




#83
tert-Butylbenzene
Concen: 4.457 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:119 Resp: 8315

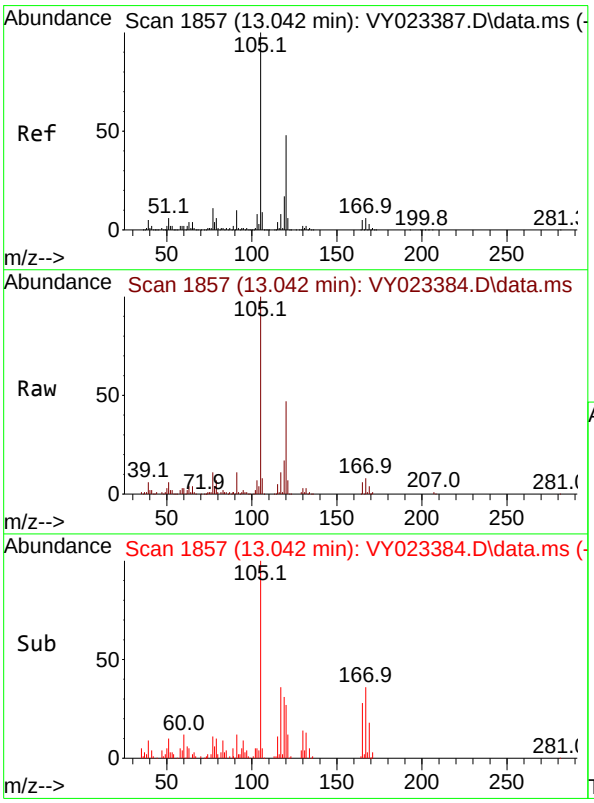
Ion	Ratio	Lower	Upper
119	100		
91	60.0	29.9	89.8
134	26.2	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

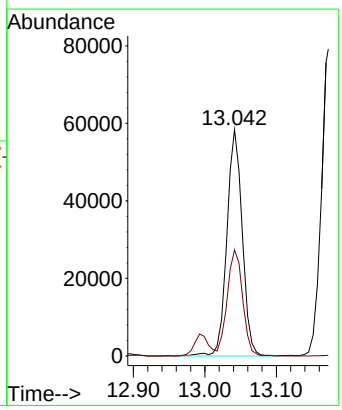
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

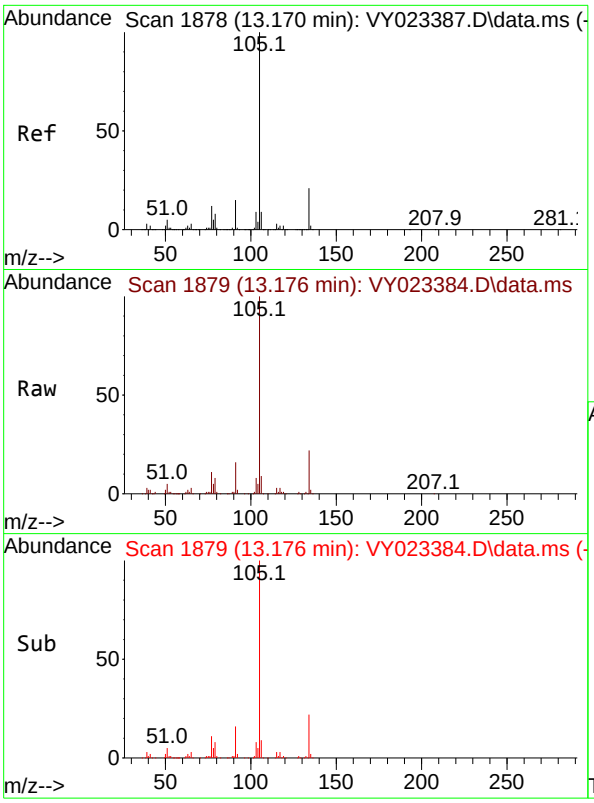


#84
1,2,4-Trimethylbenzene
Concen: 4.294 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:105 Resp: 86988

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.8	71.2

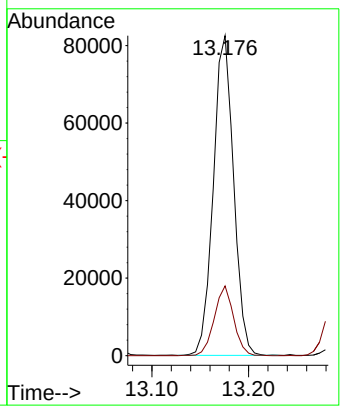




#85
sec-Butylbenzene
Concen: 4.443 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:105 Resp: 12006

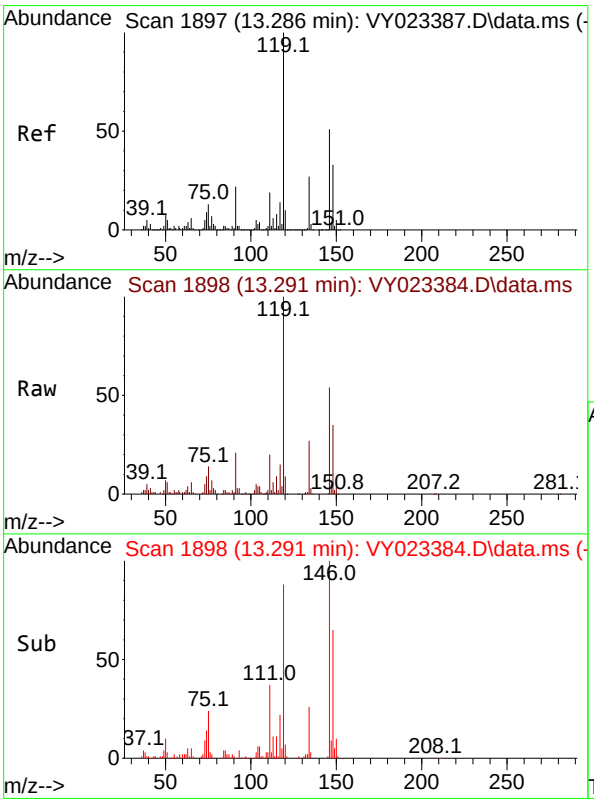
Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

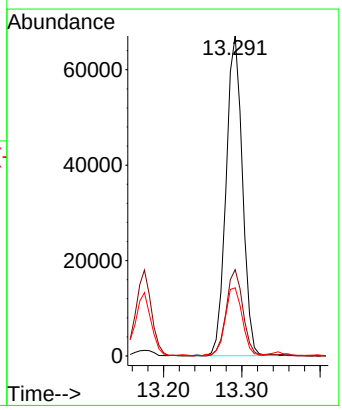
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

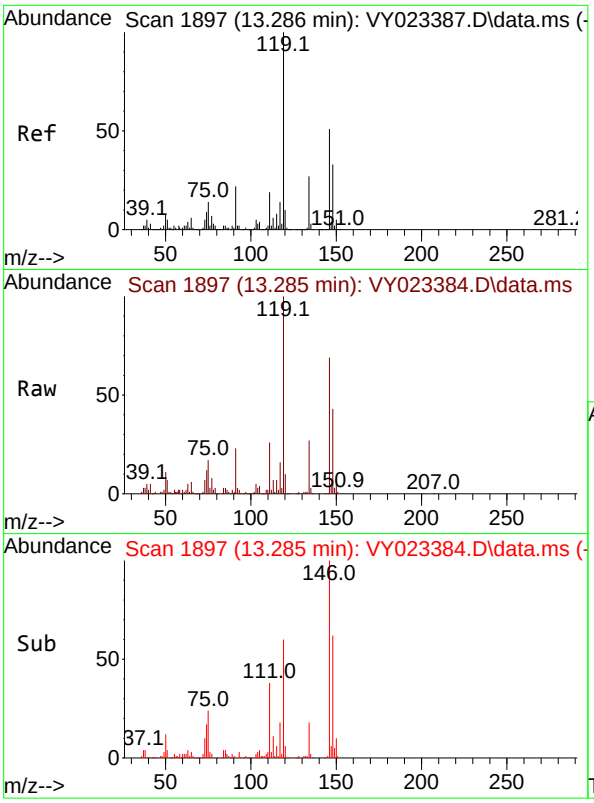


#86
p-Isopropyltoluene
Concen: 4.264 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:119 Resp: 97377

Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.6	40.7
91	22.7	10.9	32.9

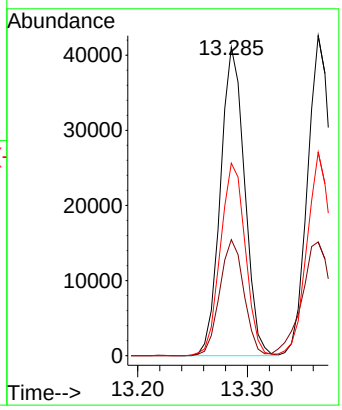




#87
1,3-Dichlorobenzene
Concen: 4.936 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:146 Resp: 6302

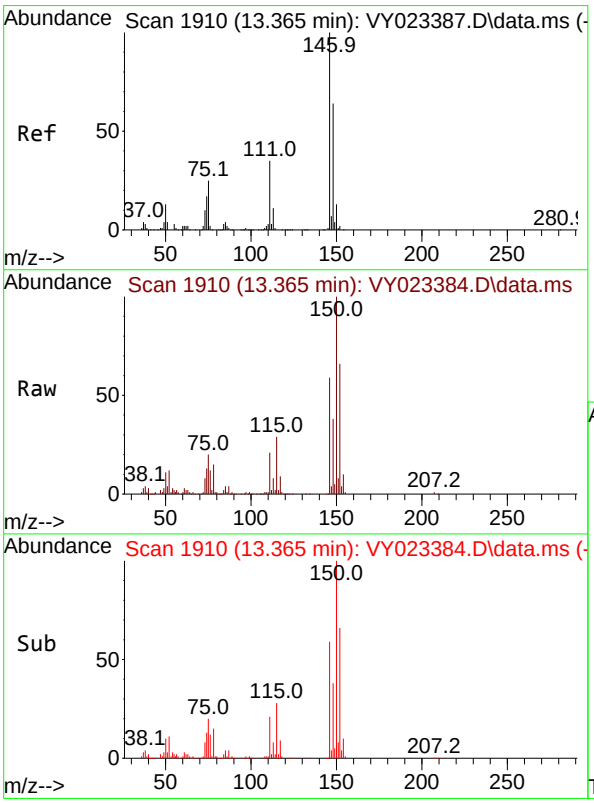
Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	64.1	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

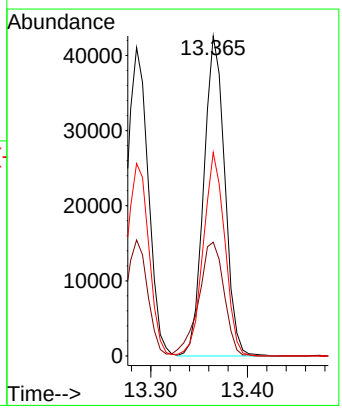
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

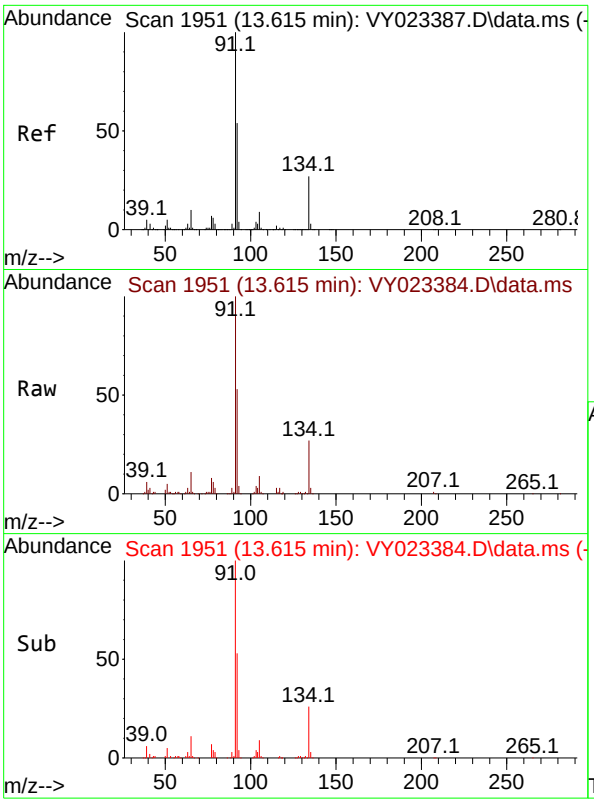


#88
1,4-Dichlorobenzene
Concen: 5.085 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:146 Resp: 64389

Ion	Ratio	Lower	Upper
146	100		
111	43.0	18.0	54.0
148	65.1	31.9	95.7

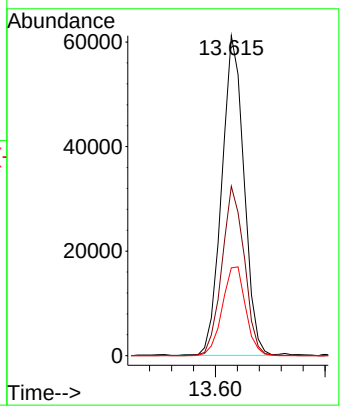




#89
n-Butylbenzene
Concen: 4.274 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 8617

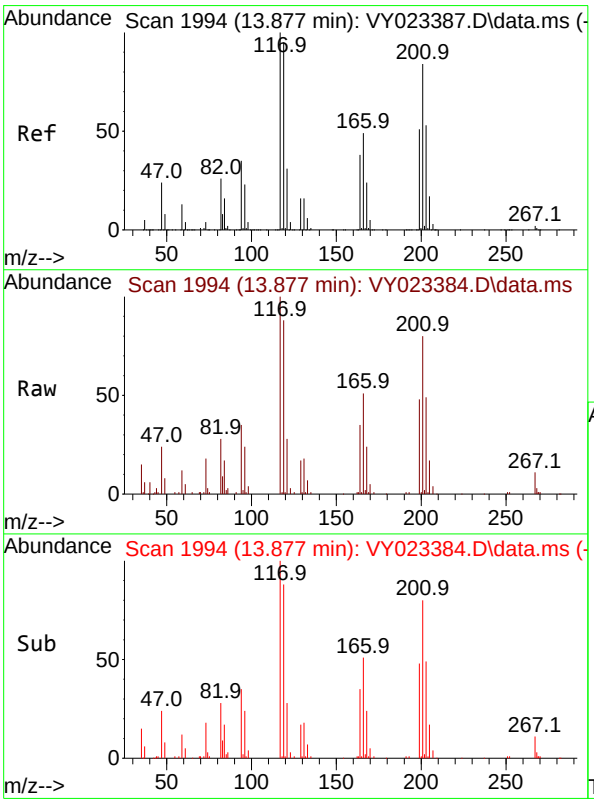
Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	80.8
134	29.2	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

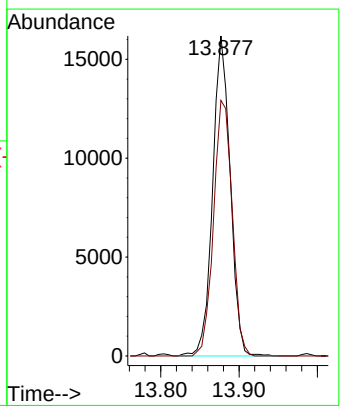
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

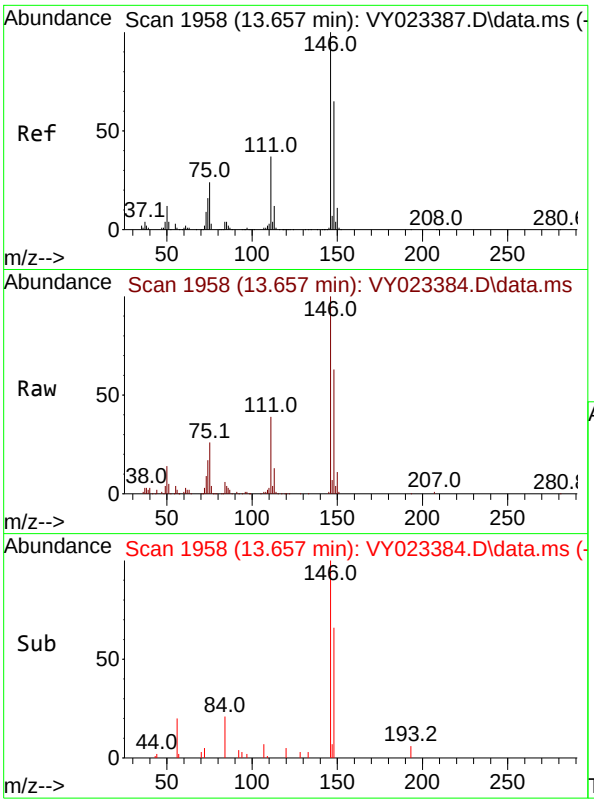


#90
Hexachloroethane
Concen: 5.084 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:117 Resp: 25204

Ion	Ratio	Lower	Upper
117	100		
201	84.7	43.8	131.4

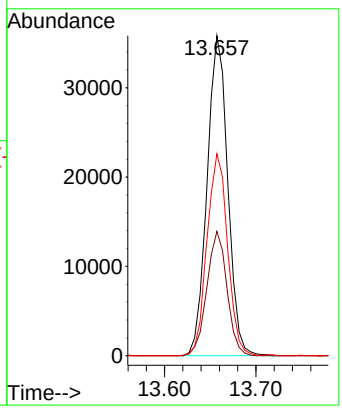




#91
1,2-Dichlorobenzene
Concen: 5.041 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:146 Resp: 5616

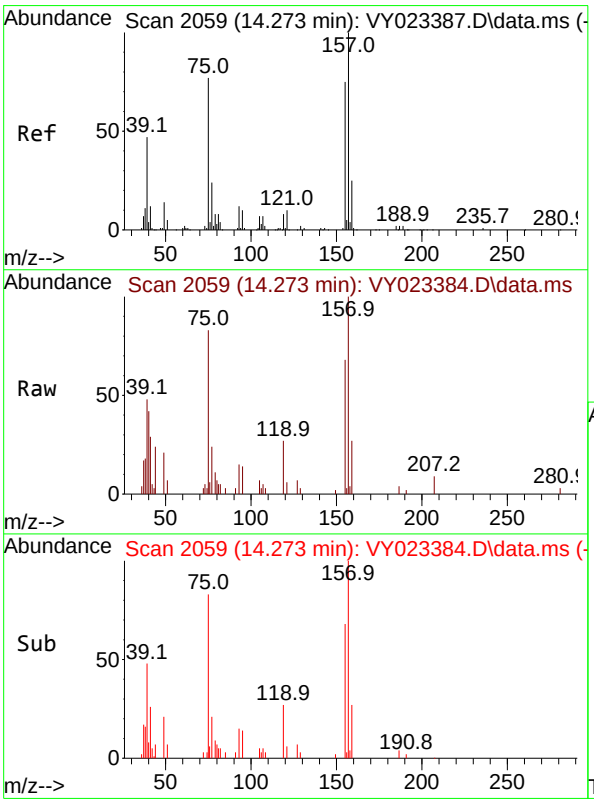
Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	63.0	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

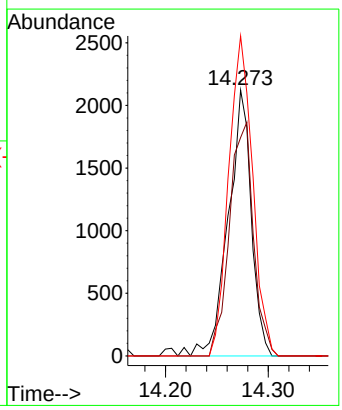
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

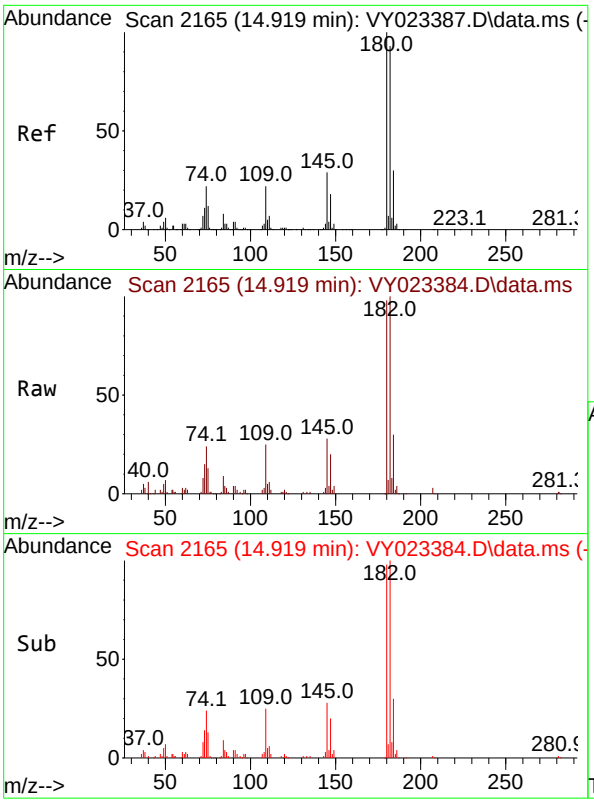


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.964 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 3305

Ion	Ratio	Lower	Upper
75	100		
155	91.7	50.0	150.0
157	124.4	63.8	191.5

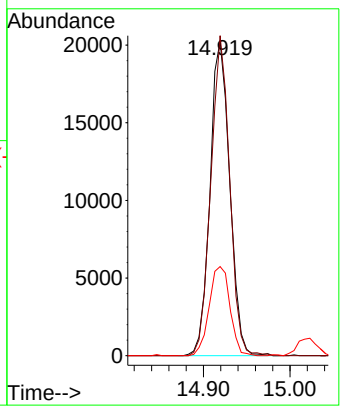




#93
1,2,4-Trichlorobenzene
Concen: 4.875 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:180 Resp: 3200

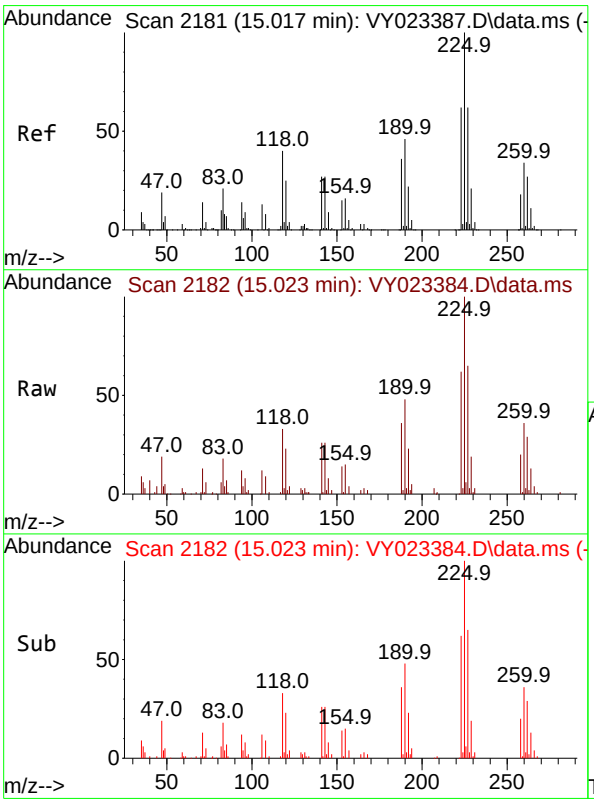
Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.6
145	29.9	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

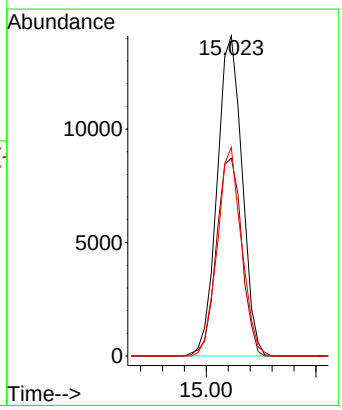
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

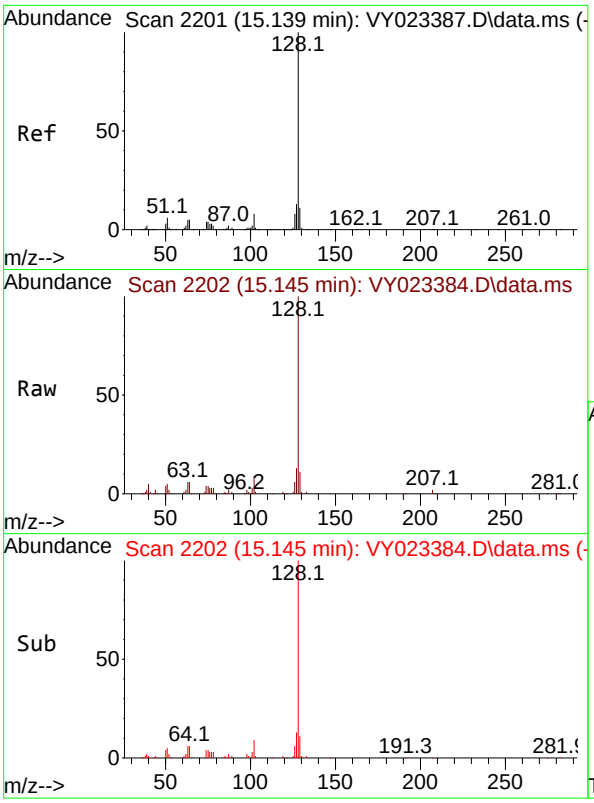


#94
Hexachlorobutadiene
Concen: 5.456 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:225 Resp: 22316

Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.8	92.3
227	63.1	31.9	95.7

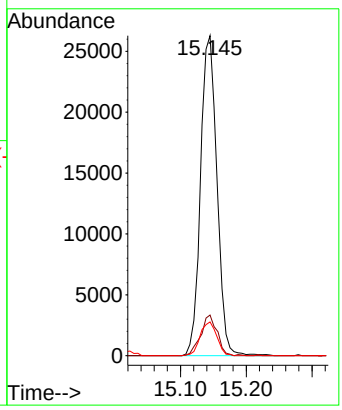




#95
Naphthalene
Concen: 4.360 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:128 Resp: 4559

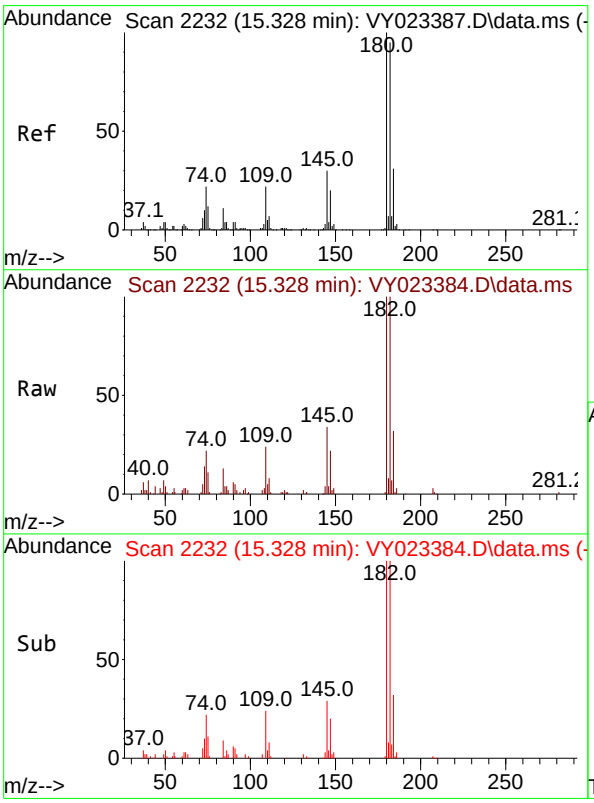
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.7	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

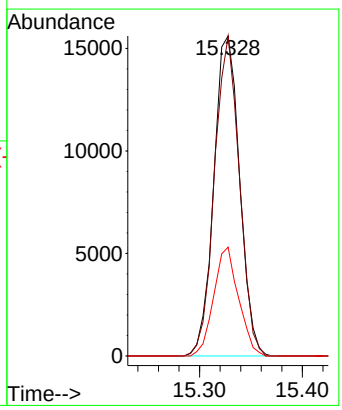
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.772 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:180 Resp: 27176

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.8
145	32.7	15.3	45.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	559828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	847077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	736152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	374998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48826	10.071	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.140%#		
35) Dibromofluoromethane	7.634	113	53279	10.364	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.720%#		
50) Toluene-d8	10.109	98	198242	10.225	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.460%#		
62) 4-Bromofluorobenzene	12.401	95	62601	10.235	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.460%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	44666	10.129	ug/l	97
3) Chloromethane	2.068	50	62413	9.957	ug/l	97
4) Vinyl Chloride	2.202	62	76587	9.676	ug/l	99
5) Bromomethane	2.592	94	66689	10.271	ug/l	90
6) Chloroethane	2.732	64	51757	9.632	ug/l	92
7) Trichlorofluoromethane	3.055	101	102972	10.128	ug/l	99
8) Diethyl Ether	3.458	74	26719	10.047	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	54405	10.011	ug/l	99
10) Methyl Iodide	4.007	142	56313	8.967	ug/l	99
11) Tert butyl alcohol	4.854	59	20540	71.998	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	53191	10.173	ug/l	98
13) Acrolein	3.653	56	24014	49.681	ug/l	94
14) Allyl chloride	4.385	41	62154	9.494	ug/l	99
15) Acrylonitrile	5.061	53	51937	49.854	ug/l	99
16) Acetone	3.872	43	65410	59.997	ug/l	94
17) Carbon Disulfide	4.104	76	153055	9.382	ug/l	100
18) Methyl Acetate	4.391	43	29725	10.728	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	120347	9.830	ug/l	100
20) Methylene Chloride	4.616	84	71034	12.016	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	56465	9.710	ug/l	97
22) Diisopropyl ether	6.024	45	138589	9.547	ug/l	98
23) Vinyl Acetate	5.963	43	361478	45.300	ug/l	99
24) 1,1-Dichloroethane	5.915	63	93512	9.772	ug/l	98
25) 2-Butanone	6.890	43	75171	55.784	ug/l	92
26) 2,2-Dichloropropane	6.890	77	86325	10.153	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	65335	9.905	ug/l	99
28) Bromochloromethane	7.244	49	36132	9.733	ug/l	99
29) Tetrahydrofuran	7.262	42	38990	48.749	ug/l	99
30) Chloroform	7.421	83	102058	9.890	ug/l	99
31) Cyclohexane	7.701	56	80245	9.495	ug/l #	88
32) 1,1,1-Trichloroethane	7.622	97	91186	9.844	ug/l	99
36) 1,1-Dichloropropene	7.835	75	69913	9.639	ug/l	99
37) Ethyl Acetate	6.988	43	27388	9.551	ug/l	96
38) Carbon Tetrachloride	7.817	117	84799	10.065	ug/l	99
39) Methylcyclohexane	9.109	83	82275	8.860	ug/l	95
40) Benzene	8.079	78	220629	9.758	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	14344	9.632	ug/l	#	92
42) 1,2-Dichloroethane	8.158	62	58541	10.174	ug/l		99
43) Isopropyl Acetate	8.201	43	53042	9.510	ug/l		98
44) Trichloroethene	8.865	130	64537	10.171	ug/l		96
45) 1,2-Dichloropropane	9.140	63	49009	9.632	ug/l		100
46) Dibromomethane	9.231	93	30780	9.890	ug/l		99
47) Bromodichloromethane	9.426	83	78392	10.007	ug/l		99
48) Methyl methacrylate	9.225	41	23484	9.023	ug/l		97
49) 1,4-Dioxane	9.231	88	6822	211.693	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	134746	47.165	ug/l		99
52) Toluene	10.170	92	138662	9.661	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	64315	9.559	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	77905	9.687	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	41881	10.118	ug/l		92
56) Ethyl methacrylate	10.438	69	42096	8.830	ug/l		98
57) 1,3-Dichloropropane	10.719	76	64537	9.633	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	94970m	45.535	ug/l		
59) 2-Hexanone	10.761	43	99175	50.138	ug/l		96
60) Dibromochloromethane	10.908	129	57151	10.123	ug/l		97
61) 1,2-Dibromoethane	11.011	107	38861	9.979	ug/l		99
64) Tetrachloroethene	10.646	164	76110	10.335	ug/l		98
65) Chlorobenzene	11.438	112	161155	10.074	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.517	131	57233	10.173	ug/l		98
67) Ethyl Benzene	11.517	91	251958	9.651	ug/l		98
68) m/p-Xylenes	11.627	106	198866	19.004	ug/l		99
69) o-Xylene	11.950	106	91710	9.467	ug/l		100
70) Styrene	11.969	104	151094	9.446	ug/l		99
71) Bromoform	12.133	173	35681	10.595	ug/l	#	94
73) Isopropylbenzene	12.249	105	236489	9.467	ug/l		99
74) N-amyl acetate	12.066	43	40098	8.590	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	41130	9.871	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	29944m	8.095	ug/l		
77) Bromobenzene	12.529	156	66002	10.295	ug/l		99
78) n-propylbenzene	12.590	91	275671	9.384	ug/l		100
79) 2-Chlorotoluene	12.676	91	165582	9.762	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	191799	9.445	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	13110	9.556	ug/l		99
82) 4-Chlorotoluene	12.773	91	169968	9.595	ug/l		100
83) tert-Butylbenzene	12.993	119	177250	9.579	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	191423	9.528	ug/l		98
85) sec-Butylbenzene	13.170	105	254134	9.483	ug/l		100
86) p-Isopropyltoluene	13.285	119	210320	9.287	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	127377	10.058	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	127757	10.172	ug/l		98
89) n-Butylbenzene	13.615	91	182116	9.107	ug/l		98
90) Hexachloroethane	13.877	117	47355	9.630	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	112325	10.165	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7005	10.608	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	65050	9.992	ug/l		98
94) Hexachlorobutadiene	15.023	225	42813	10.554	ug/l		97
95) Naphthalene	15.139	128	96092	9.264	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	56499	10.004	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

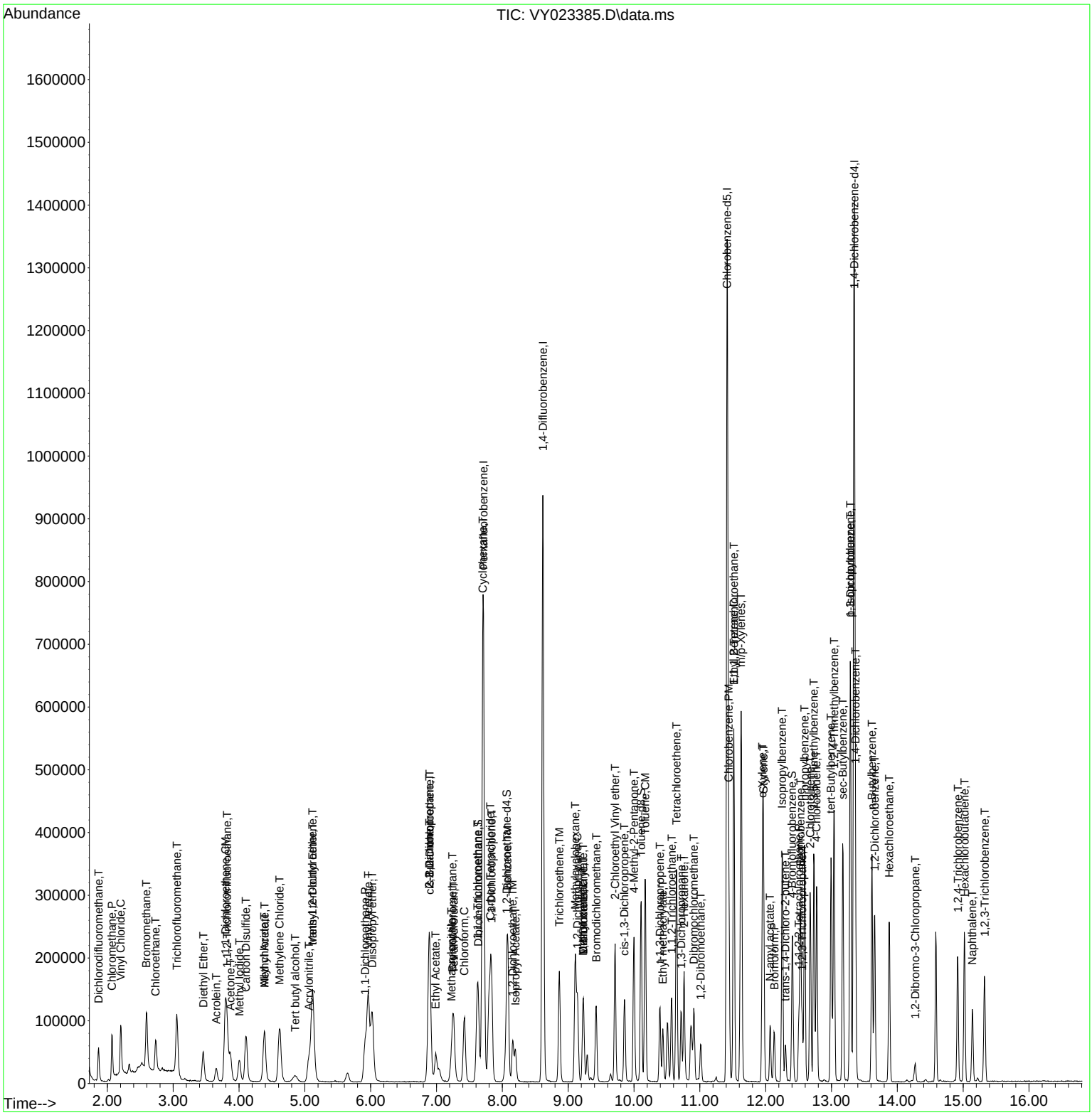
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

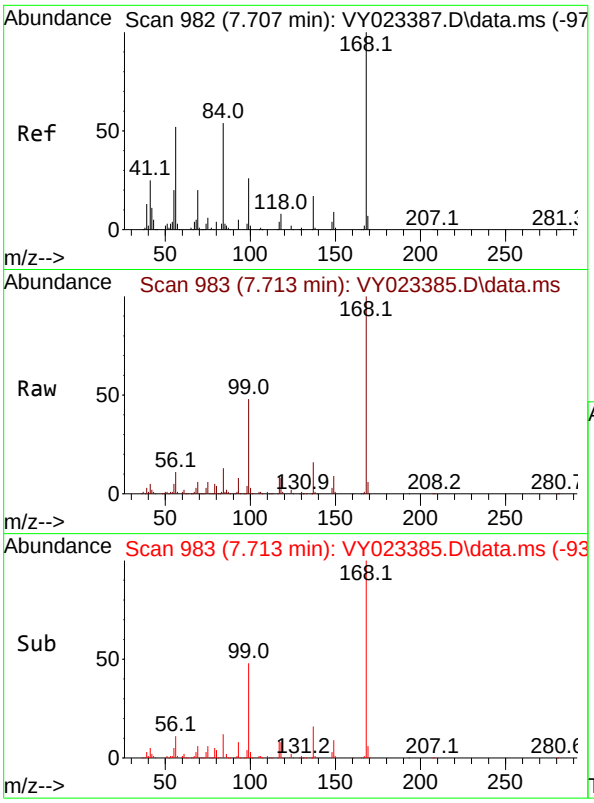
Quant Time: Oct 08 04:40:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

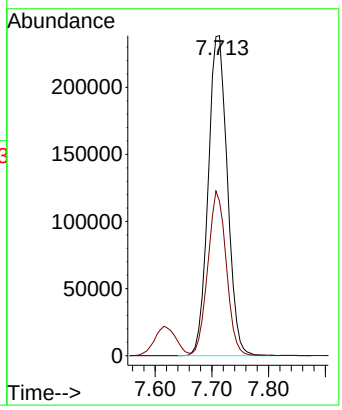




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:168 Resp: 55982

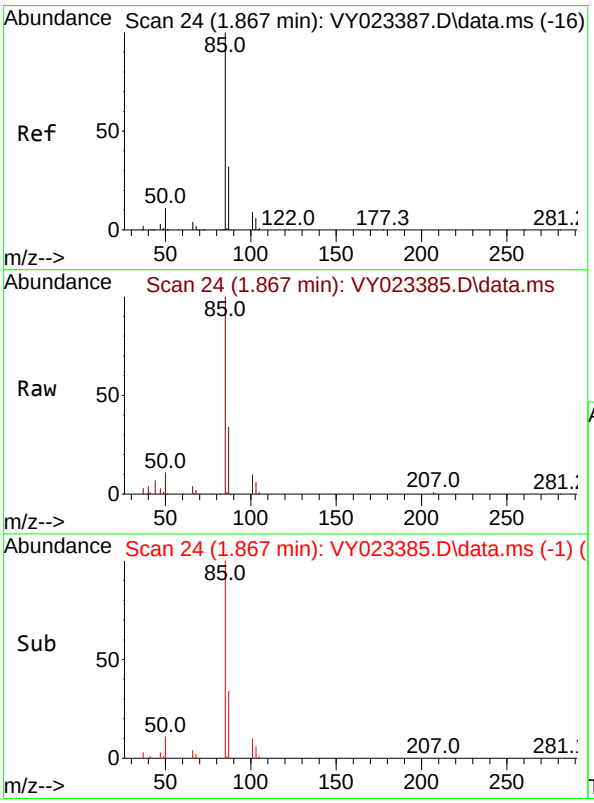
Ion	Ratio	Lower	Upper
168	100		
99	48.2	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

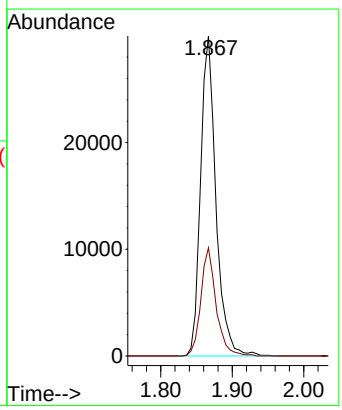
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

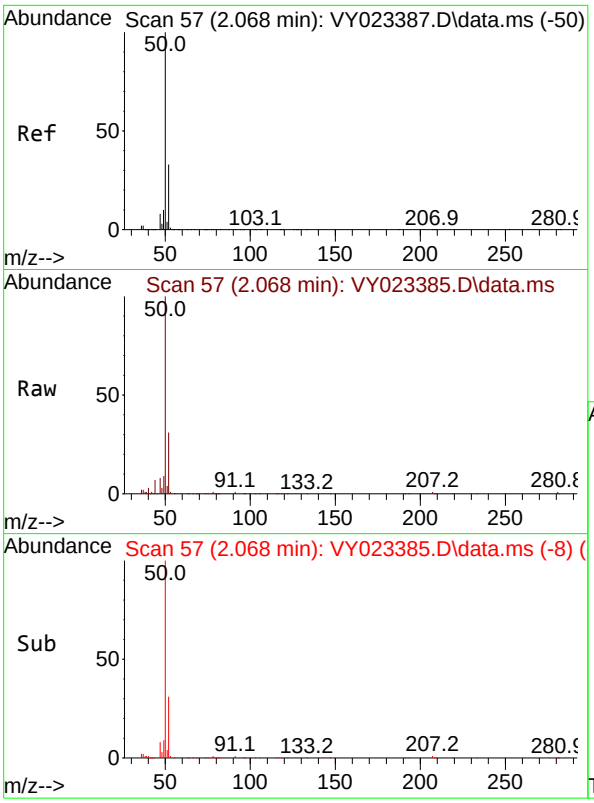


#2
Dichlorodifluoromethane
Concen: 10.129 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 85 Resp: 44666

Ion	Ratio	Lower	Upper
85	100		
87	33.8	16.0	47.9

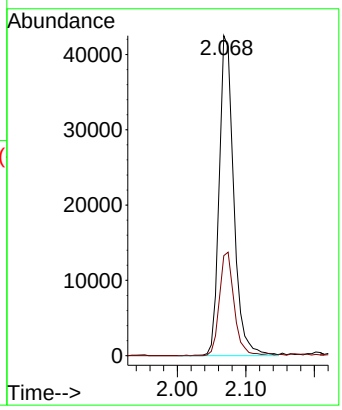




#3
Chloromethane
Concen: 9.957 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 50 Resp: 6241

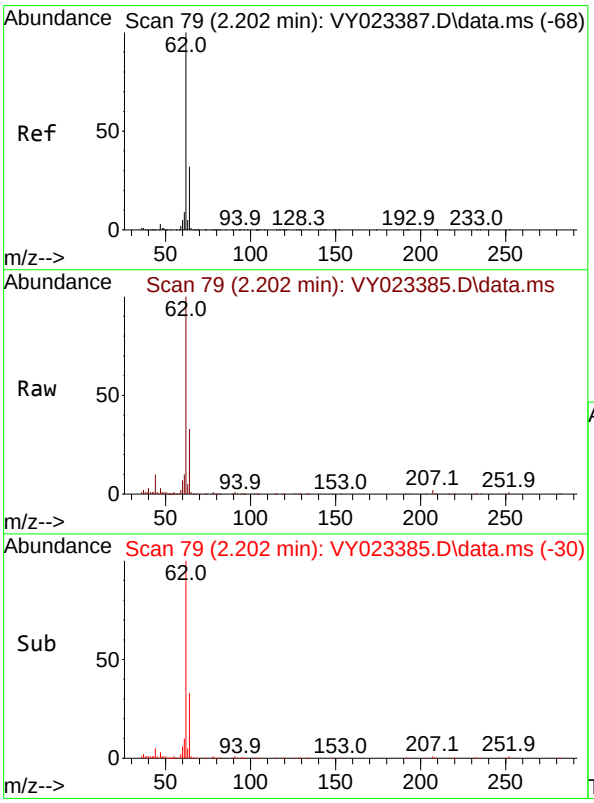
Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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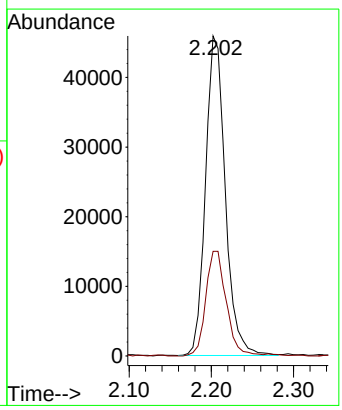
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

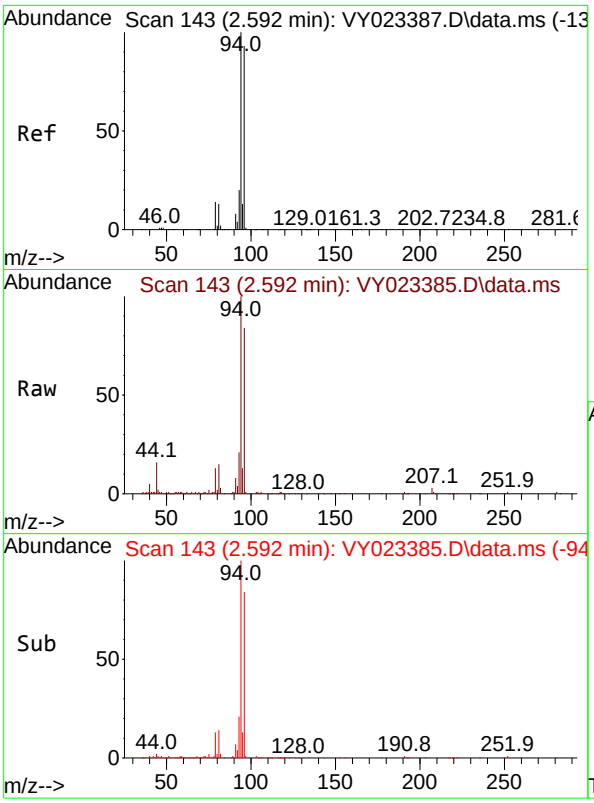


#4
Vinyl Chloride
Concen: 9.676 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 62 Resp: 76587

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.8	38.8





#5
Bromomethane
Concen: 10.271 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

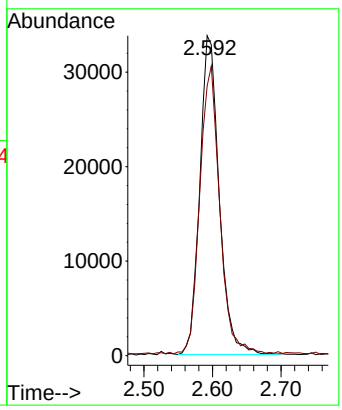
Tgt Ion: 94 Resp: 6668

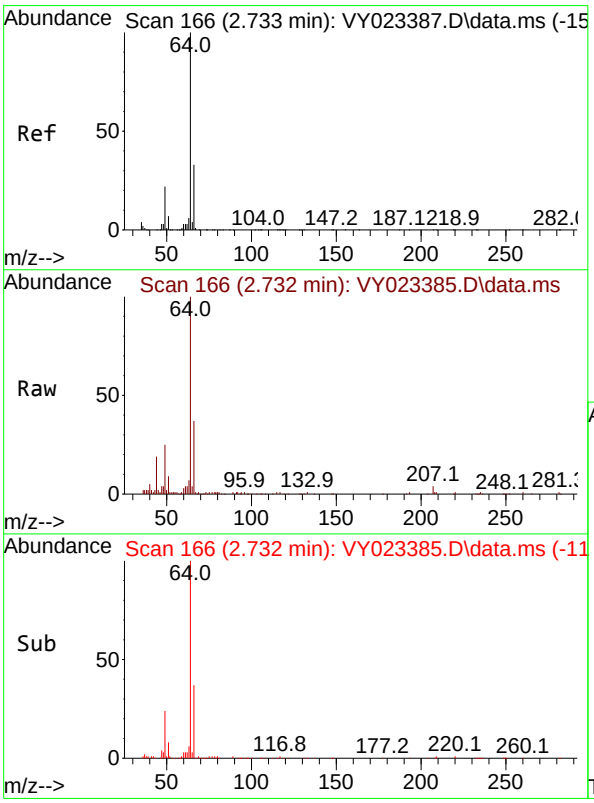
Ion	Ratio	Lower	Upper
94	100		
96	83.4	74.5	111.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

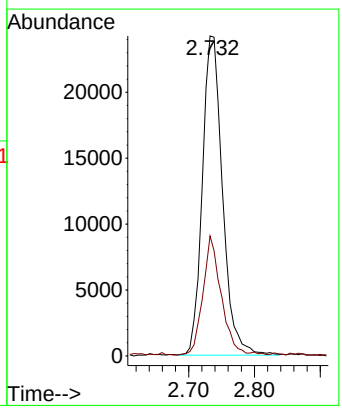


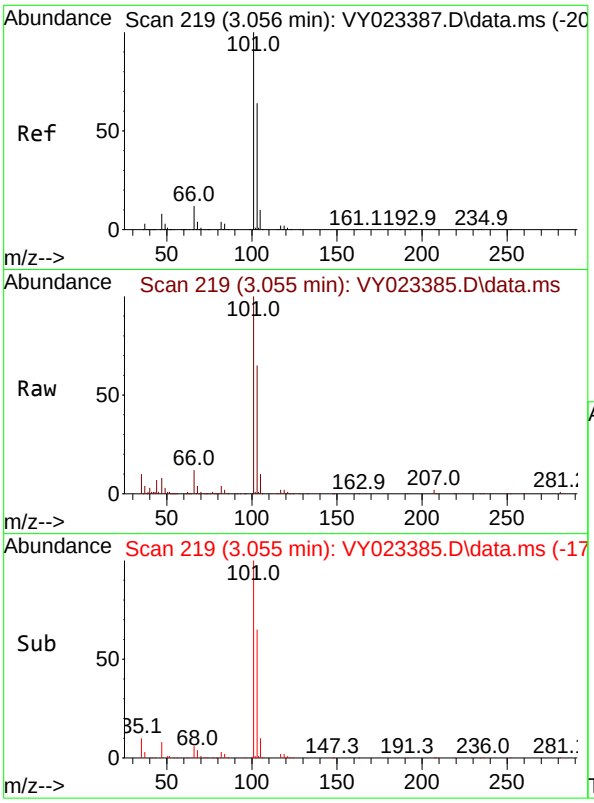


#6
Chloroethane
Concen: 9.632 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 64 Resp: 51757

Ion	Ratio	Lower	Upper
64	100		
66	37.2	26.2	39.4





#7
Trichlorofluoromethane
Concen: 10.128 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

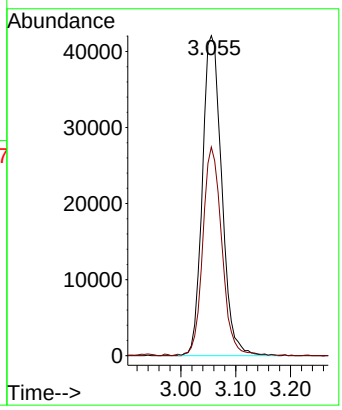
Tgt Ion:101 Resp: 10297

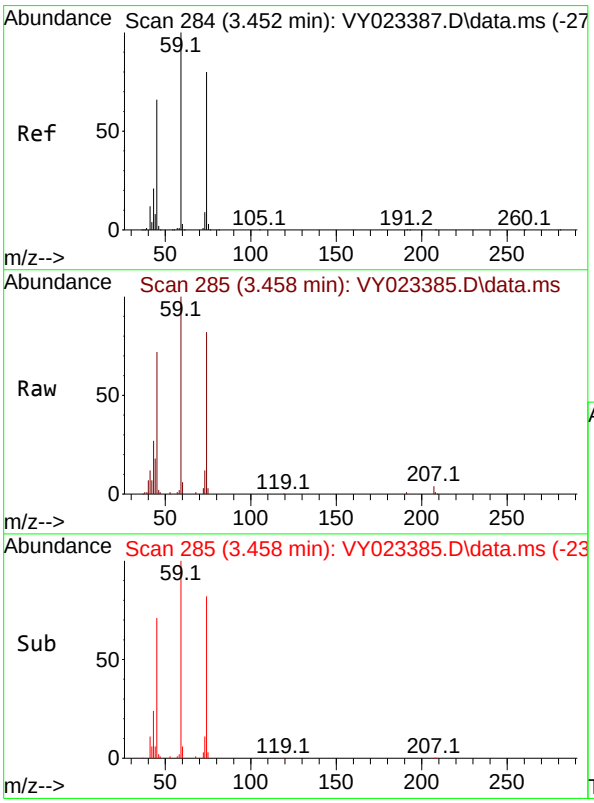
Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.3	76.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

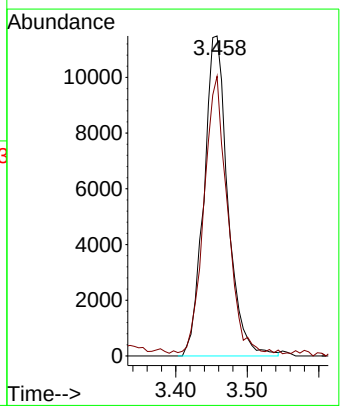


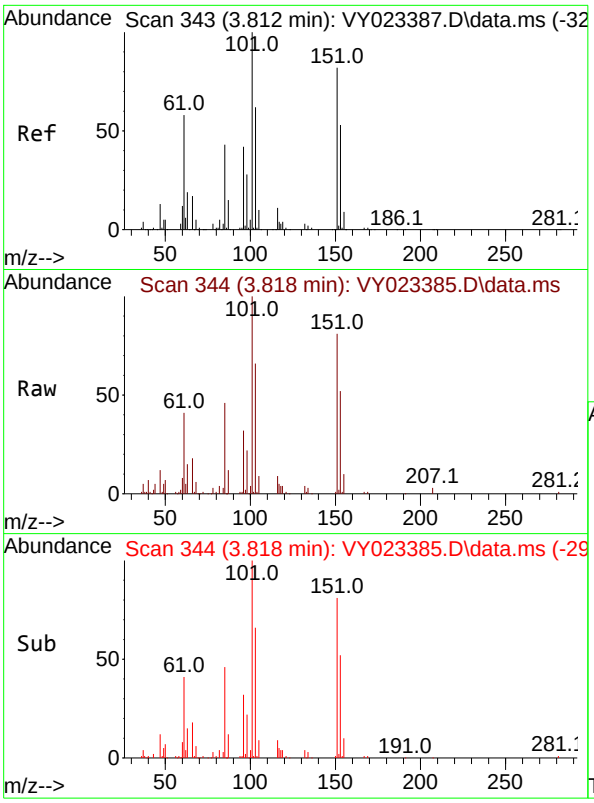


#8
Diethyl Ether
Concen: 10.047 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 74 Resp: 26719

Ion	Ratio	Lower	Upper
74	100		
45	83.5	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.011 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

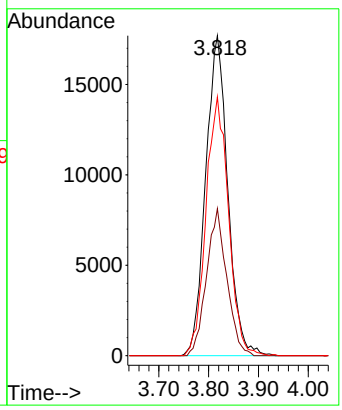
Tgt Ion:101 Resp: 5440

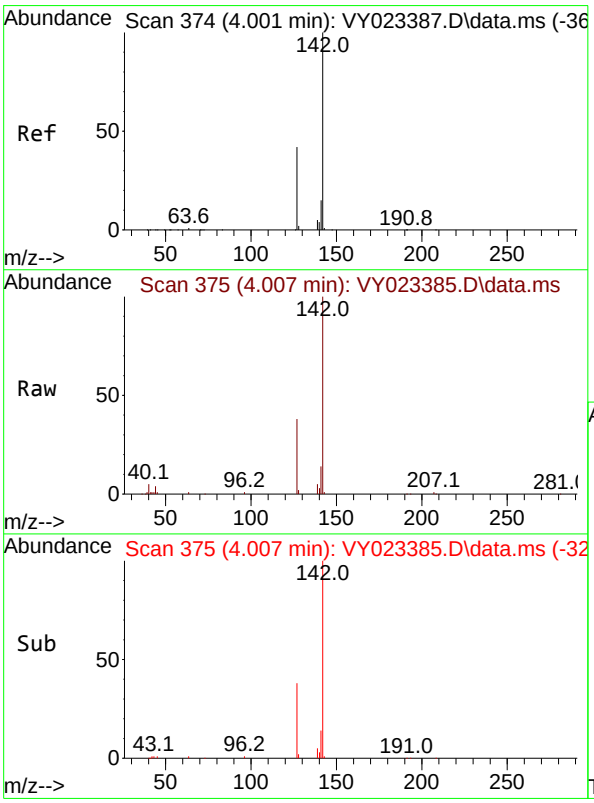
Ion	Ratio	Lower	Upper
101	100		
85	42.2	34.6	51.8
151	82.7	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

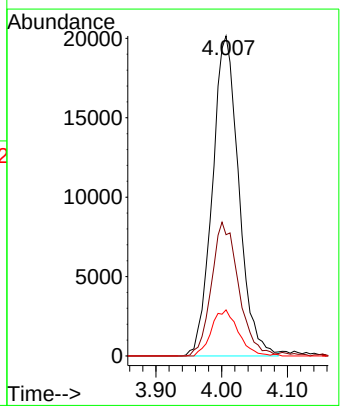


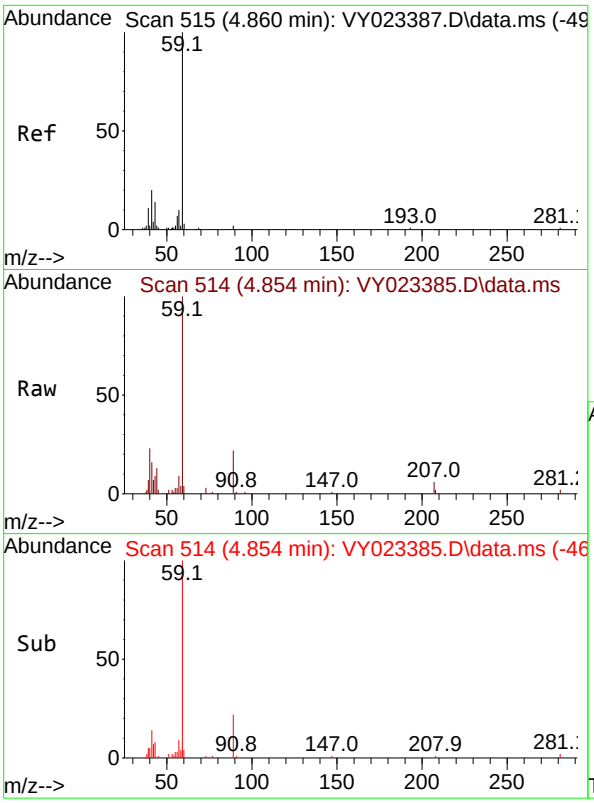


#10
Methyl Iodide
Concen: 8.967 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:142 Resp: 56313

Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.8	52.2
141	14.6	11.6	17.4

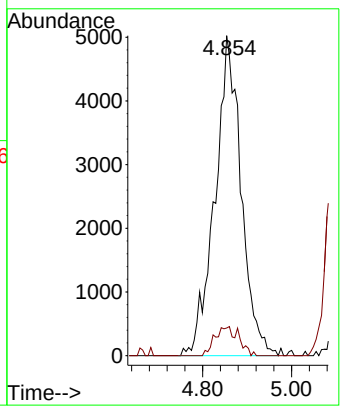




#11
Tert butyl alcohol
Concen: 71.998 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 59 Resp: 2054

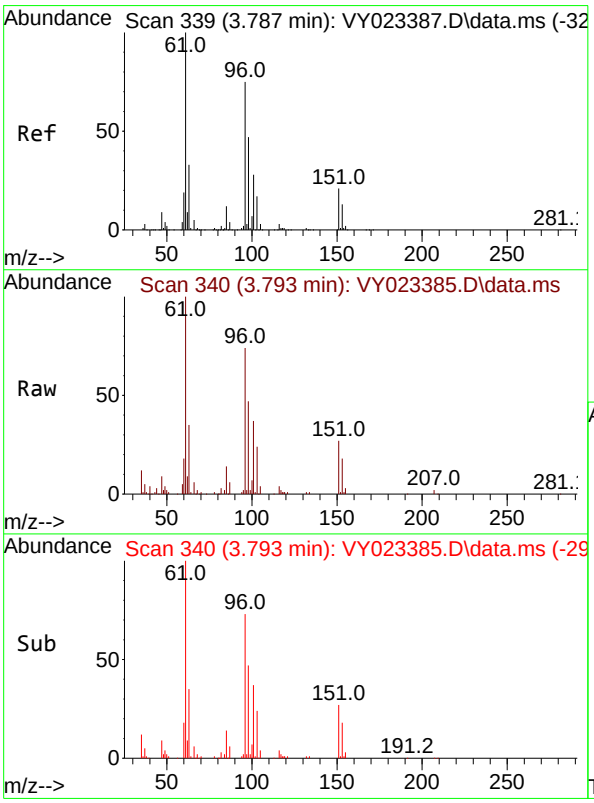
Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.3	12.5#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

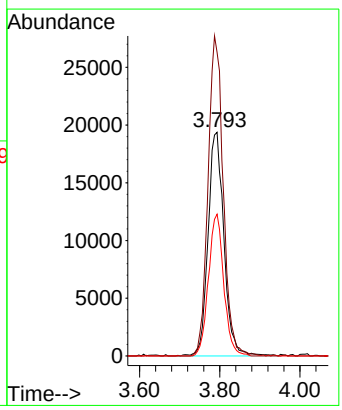
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

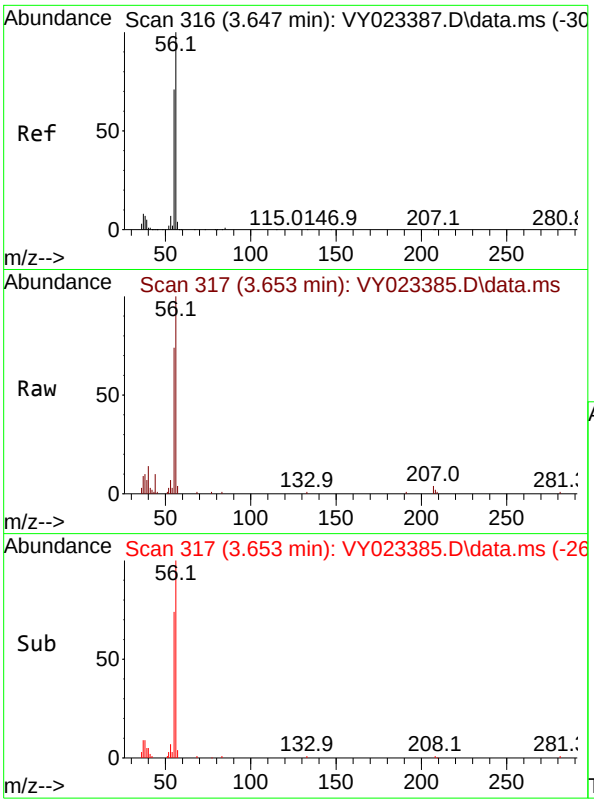


#12
1,1-Dichloroethene
Concen: 10.173 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 96 Resp: 53191

Ion	Ratio	Lower	Upper
96	100		
61	135.7	106.7	160.1
98	63.4	50.2	75.4

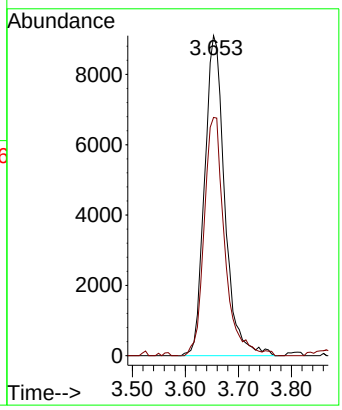




#13
Acrolein
Concen: 49.681 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 56 Resp: 2401

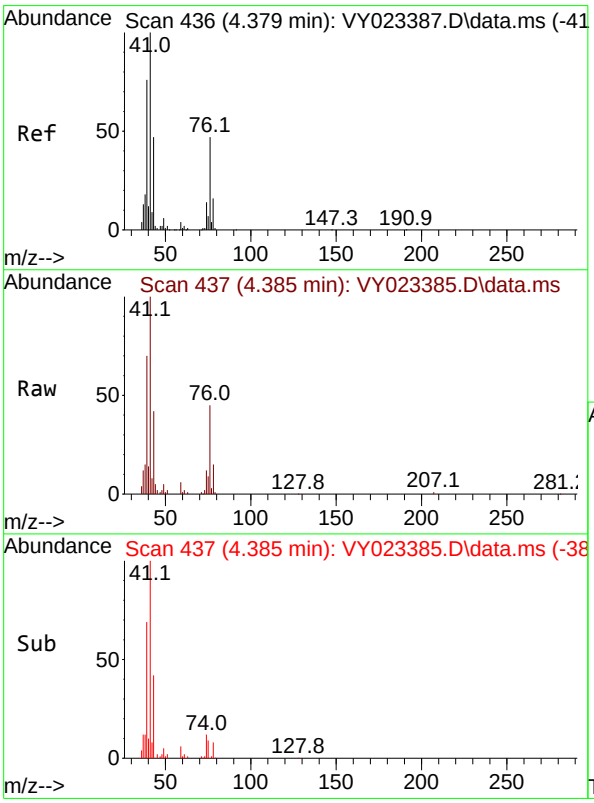
Ion	Ratio	Lower	Upper
56	100		
55	75.2	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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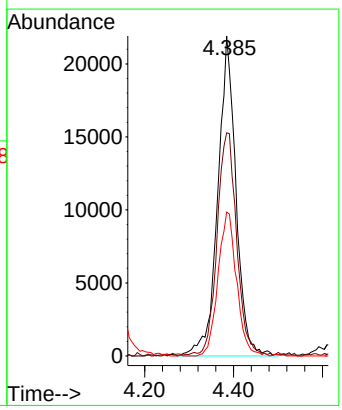
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

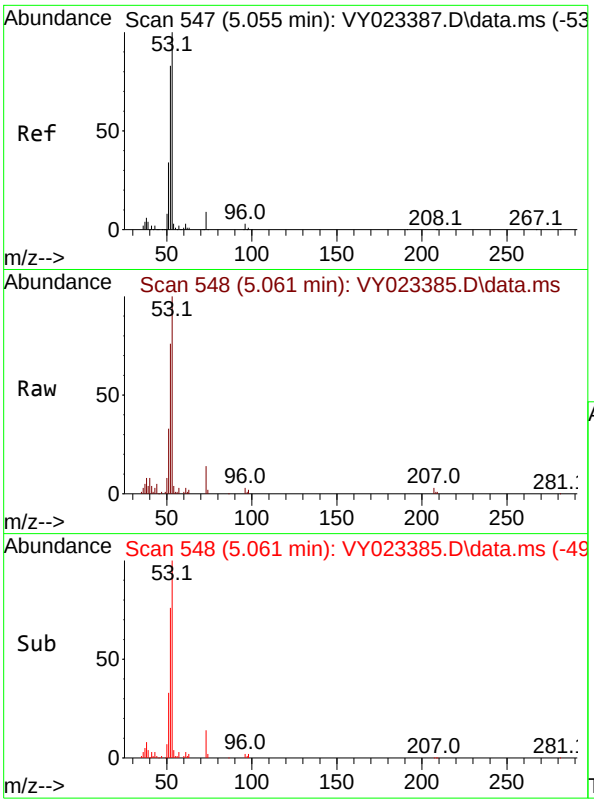


#14
Allyl chloride
Concen: 9.494 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 41 Resp: 62154

Ion	Ratio	Lower	Upper
41	100		
39	74.2	59.9	89.9
76	45.9	38.0	57.0

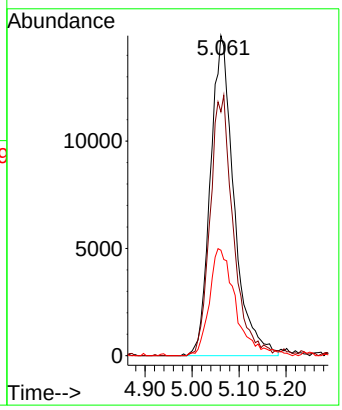




#15
Acrylonitrile
Concen: 49.854 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 53 Resp: 5193

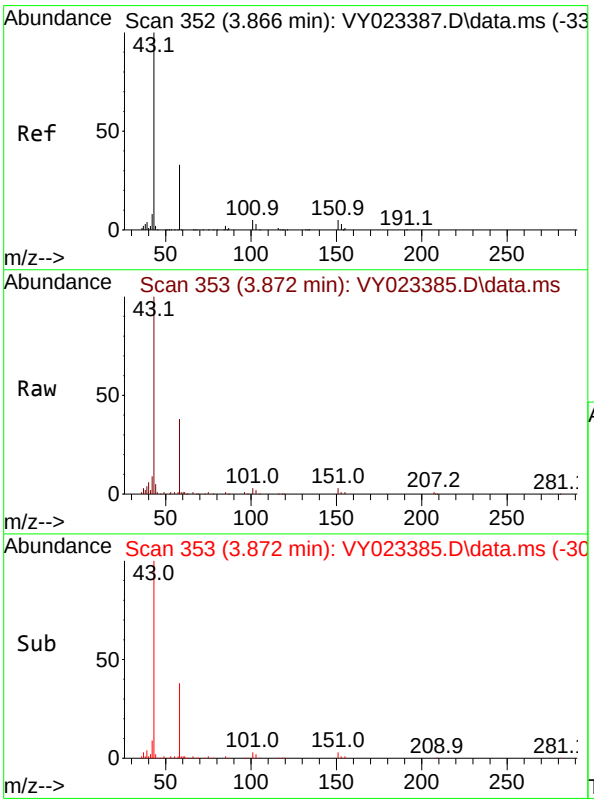
Ion	Ratio	Lower	Upper
53	100		
52	79.5	64.6	97.0
51	37.4	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

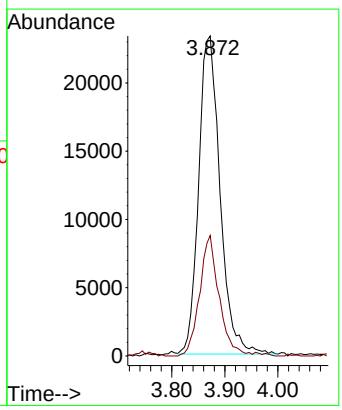
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

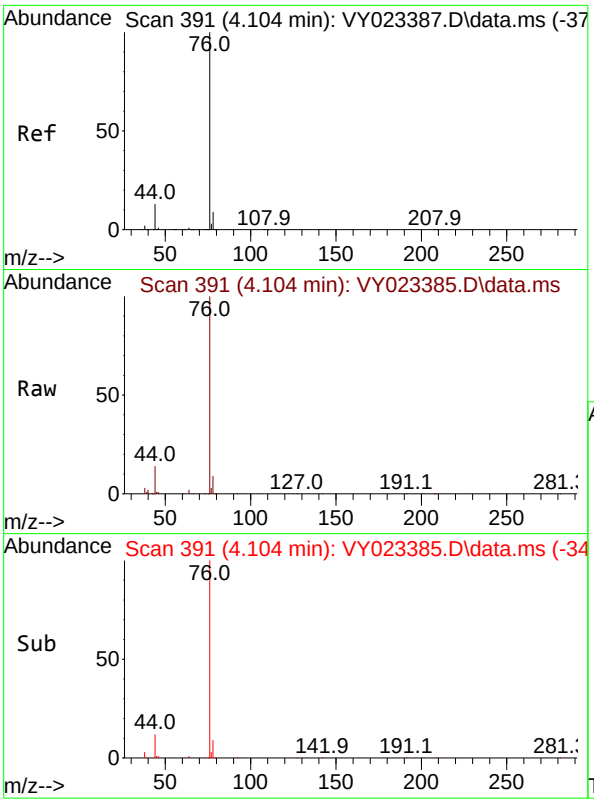


#16
Acetone
Concen: 59.997 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 65410

Ion	Ratio	Lower	Upper
43	100		
58	37.9	27.7	41.5

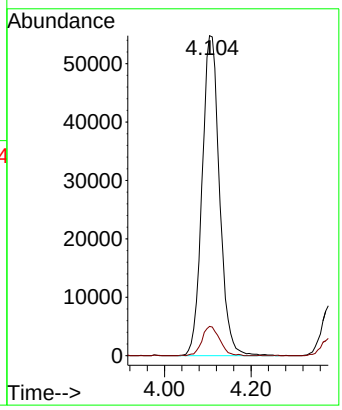




#17
Carbon Disulfide
Concen: 9.382 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 76 Resp: 15305

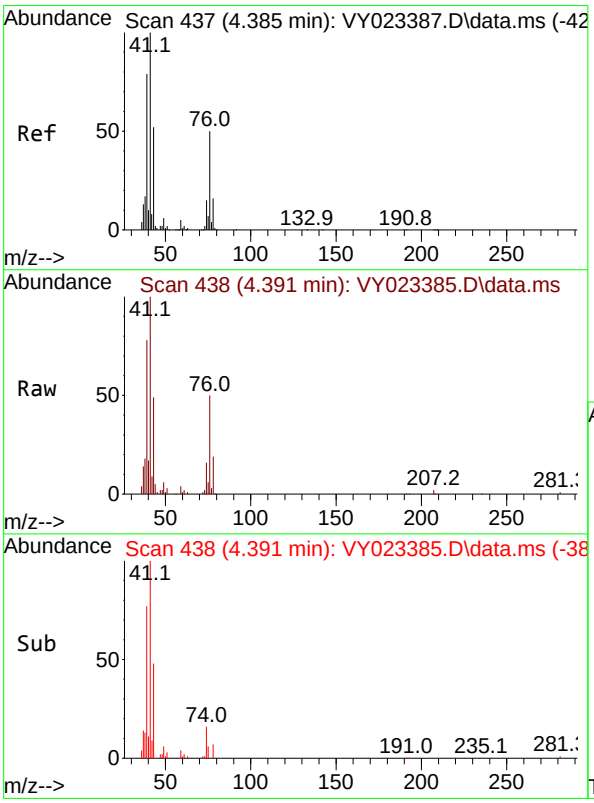
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

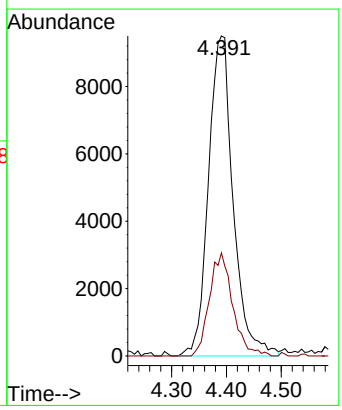
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

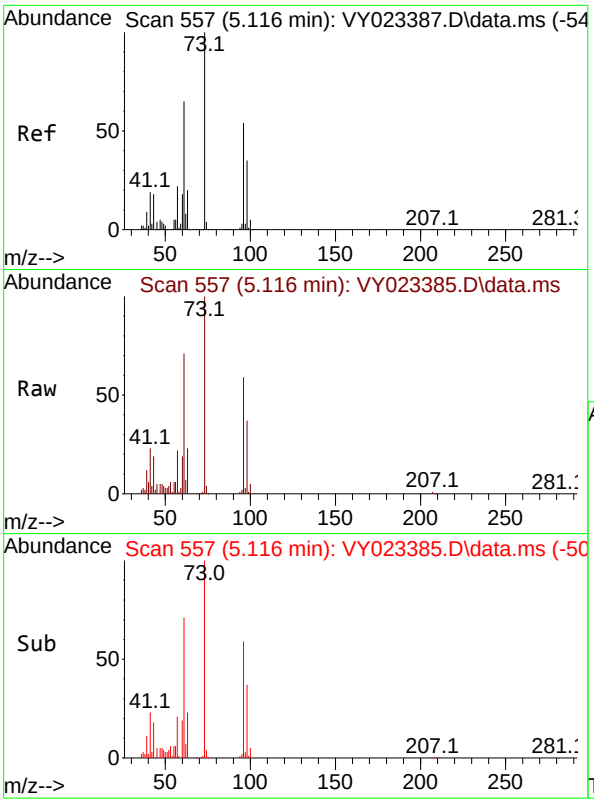


#18
Methyl Acetate
Concen: 10.728 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 29725

Ion	Ratio	Lower	Upper
43	100		
74	30.3	24.2	36.4

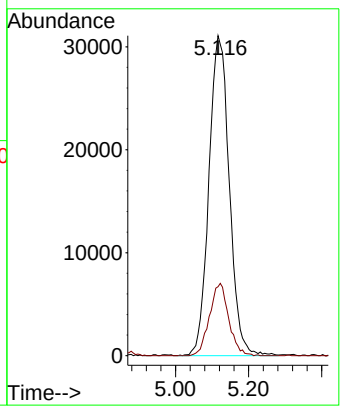




#19
Methyl tert-butyl Ether
Concen: 9.830 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 73 Resp: 12034

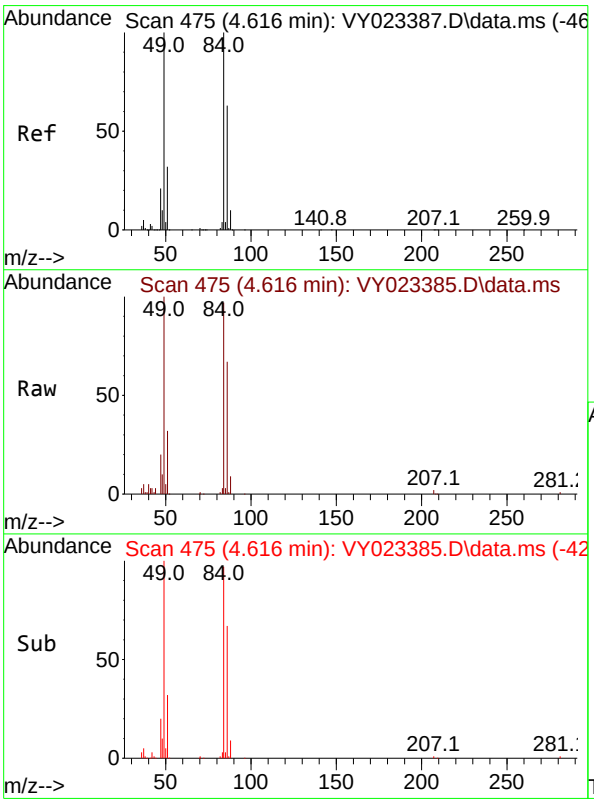
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

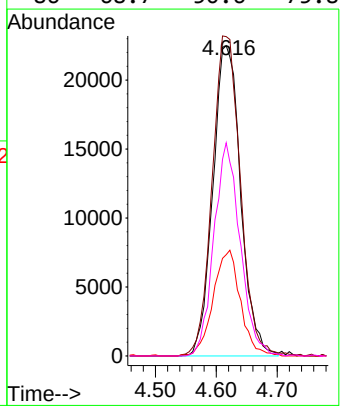
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

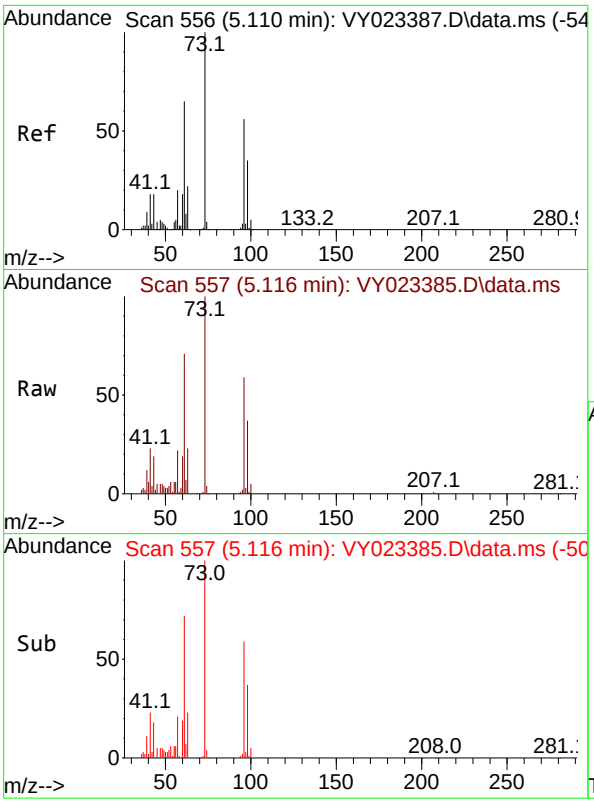


#20
Methylene Chloride
Concen: 12.016 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 84 Resp: 71034

Ion	Ratio	Lower	Upper
84	100		
49	102.9	80.2	120.4
51	32.6	25.9	38.9
86	68.7	50.6	75.8

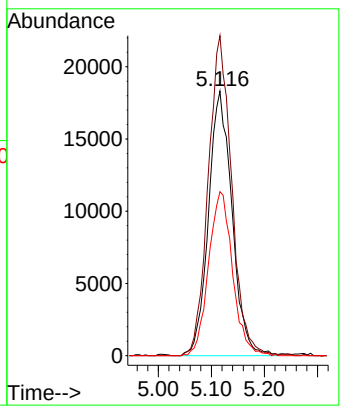




#21
trans-1,2-Dichloroethene
Concen: 9.710 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 96 Resp: 5646

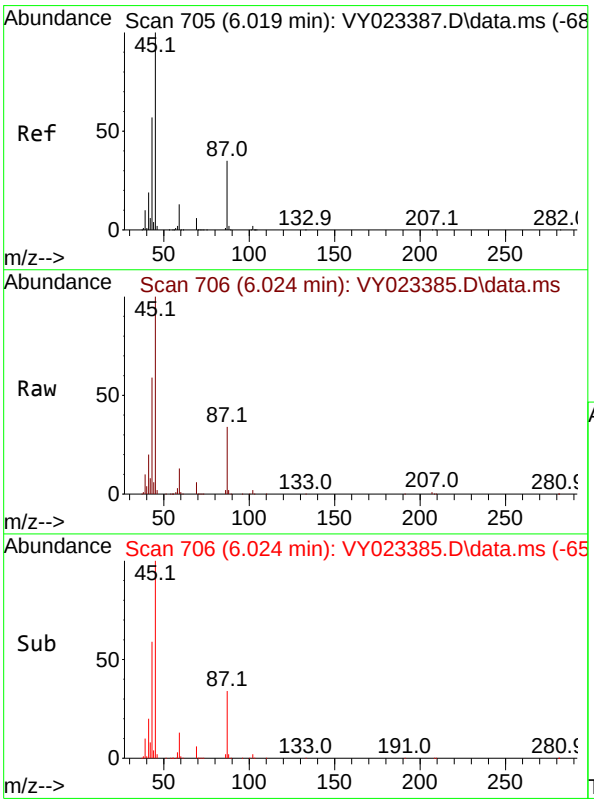
Ion	Ratio	Lower	Upper
96	100		
61	121.0	92.7	139.1
98	62.0	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

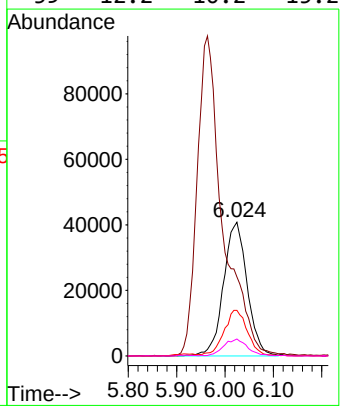
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

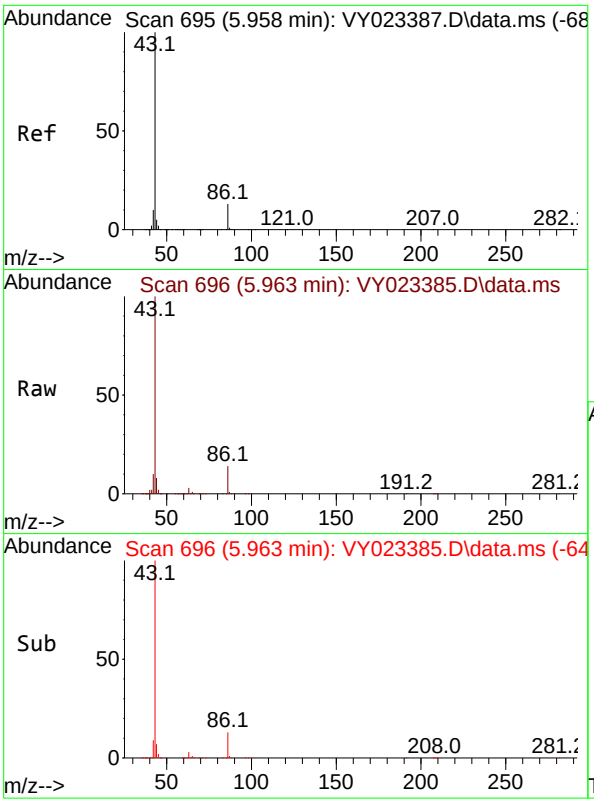


#22
Diisopropyl ether
Concen: 9.547 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 45 Resp: 138589

Ion	Ratio	Lower	Upper
45	100		
43	58.2	45.6	68.4
87	33.7	28.1	42.1
59	12.2	10.2	15.2

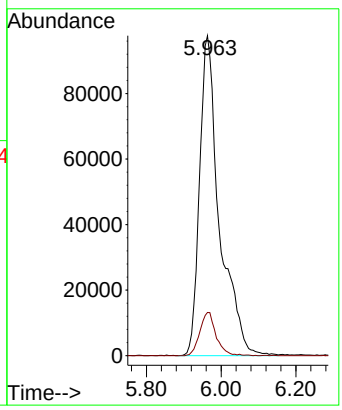




#23
Vinyl Acetate
Concen: 45.300 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 36147

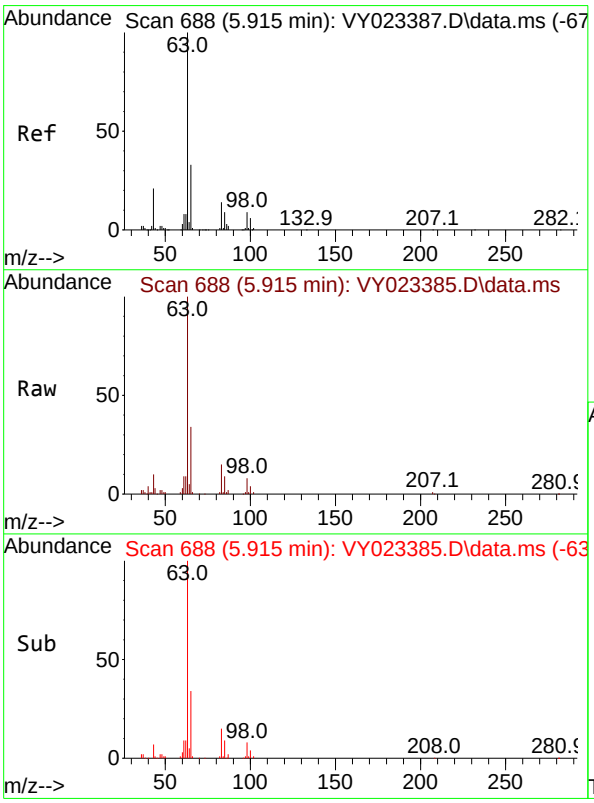
Ion	Ratio	Lower	Upper
43	100		
86	13.5	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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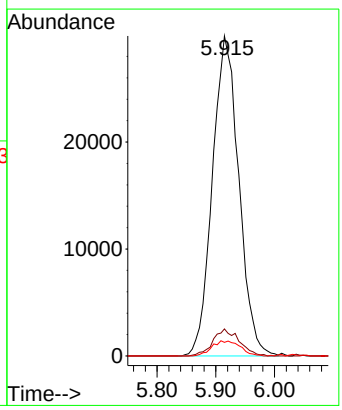
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

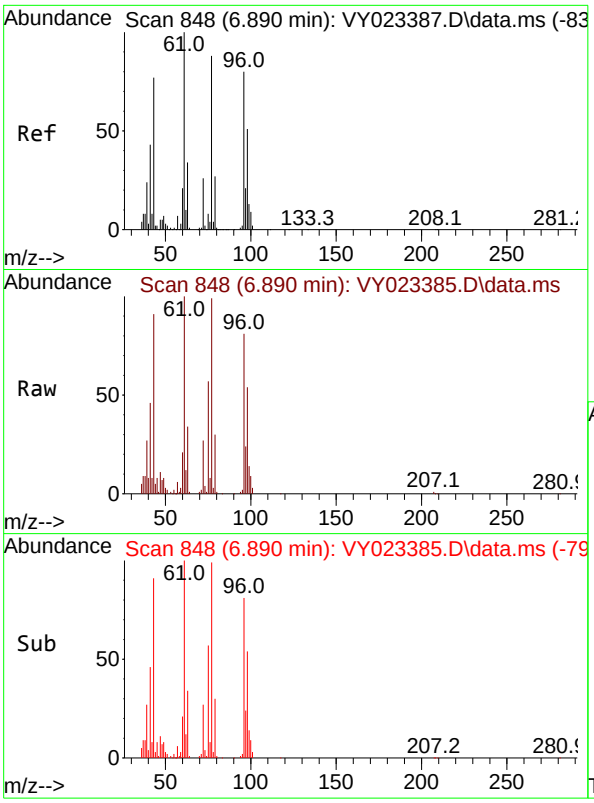


#24
1,1-Dichloroethane
Concen: 9.772 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 63 Resp: 93512

Ion	Ratio	Lower	Upper
63	100		
98	8.4	4.3	13.1
100	4.3	2.8	8.4





#25
2-Butanone
Concen: 55.784 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

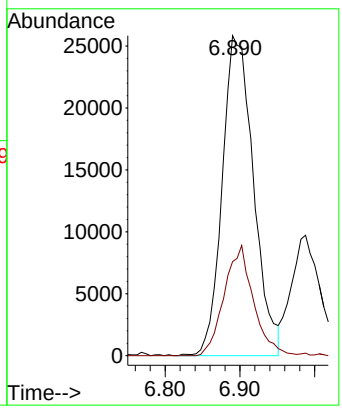
Tgt Ion: 43 Resp: 7517

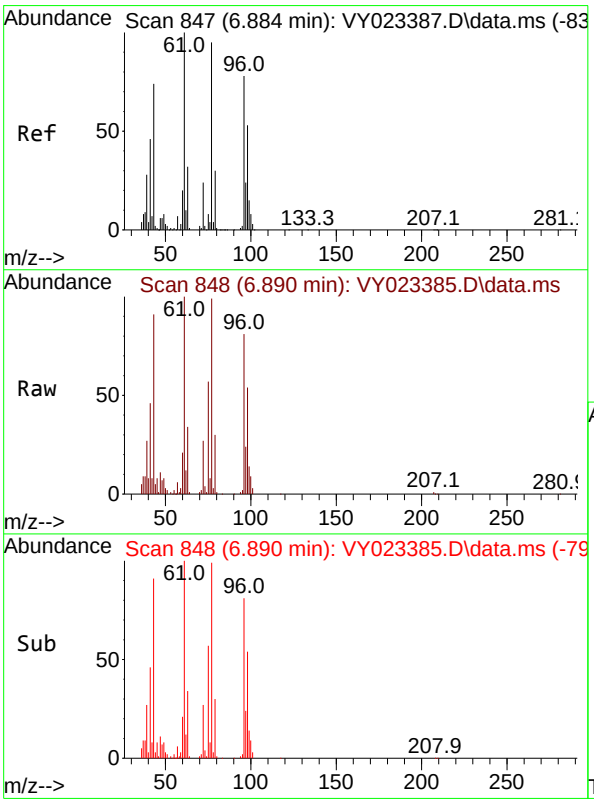
Ion	Ratio	Lower	Upper
43	100		
72	29.4	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

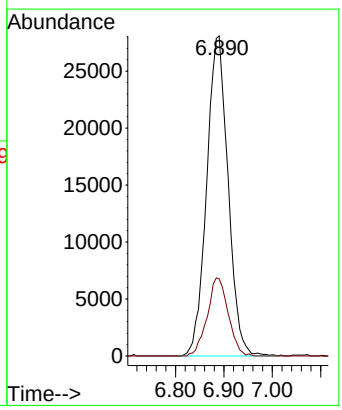


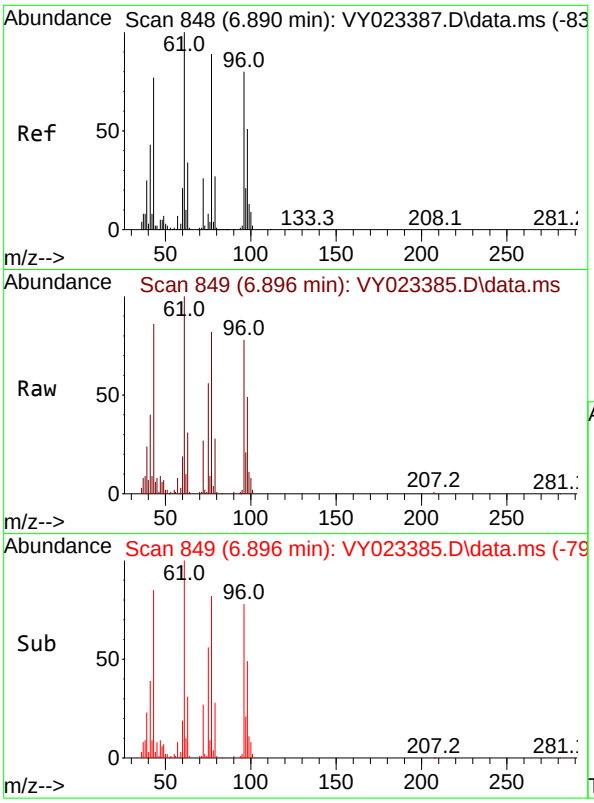


#26
2,2-Dichloropropane
Concen: 10.153 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 77 Resp: 86325

Ion	Ratio	Lower	Upper
77	100		
97	23.9	12.1	36.3

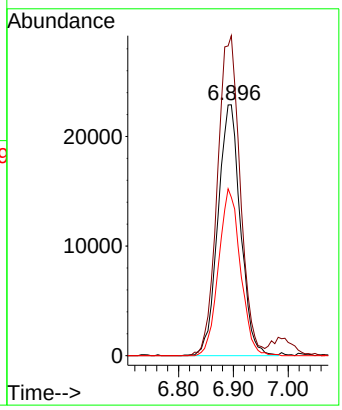




#27
cis-1,2-Dichloroethene
Concen: 9.905 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 96 Resp: 6533

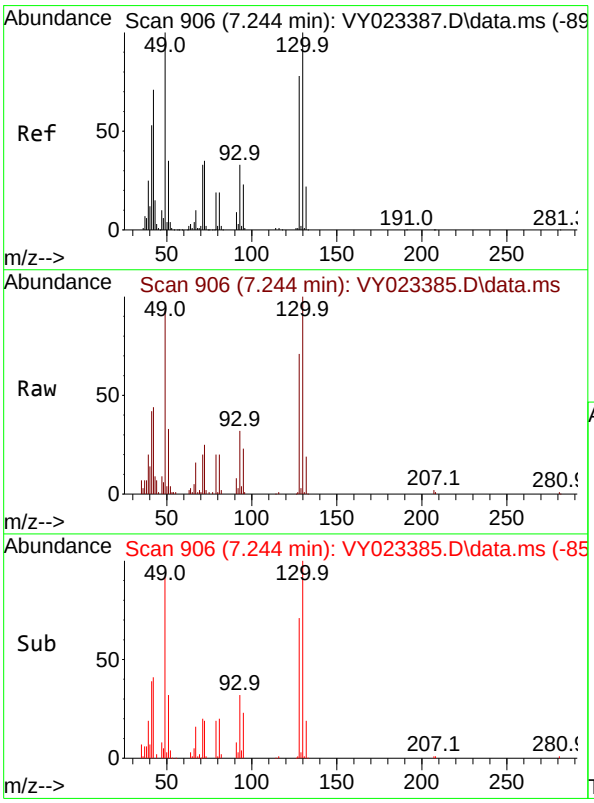
Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	258.2
98	64.5	0.0	132.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

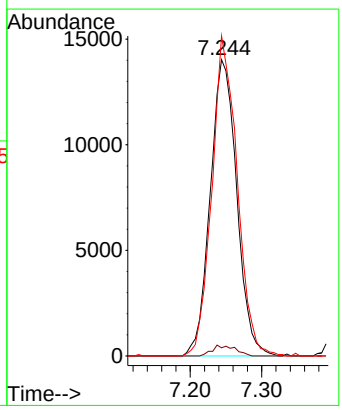
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

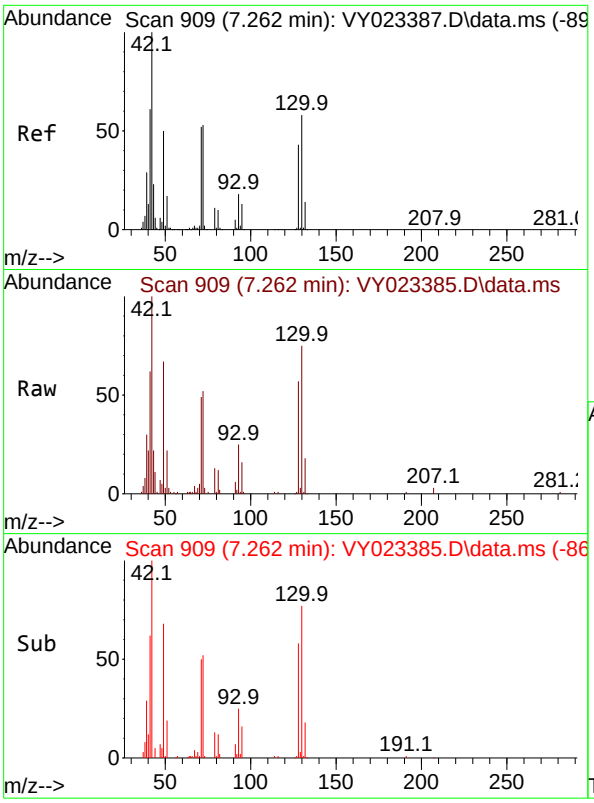


#28
Bromochloromethane
Concen: 9.733 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 49 Resp: 36132

Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.6
130	103.0	81.9	122.9

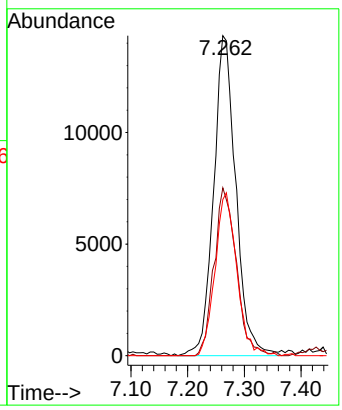




#29
Tetrahydrofuran
Concen: 48.749 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 42 Resp: 3899(

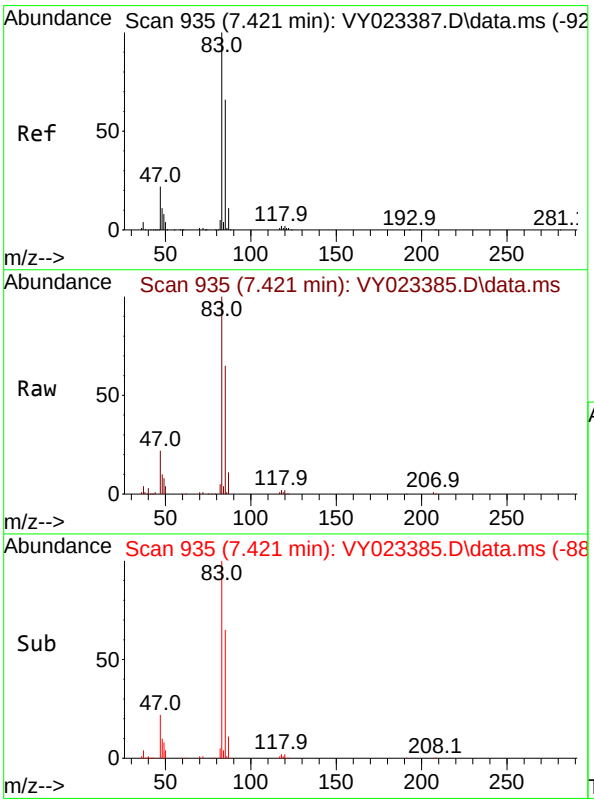
Ion	Ratio	Lower	Upper
42	100		
72	52.6	43.0	64.6
71	49.8	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

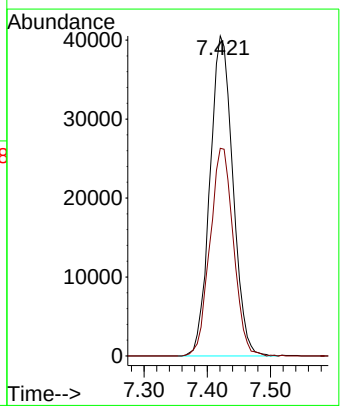
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

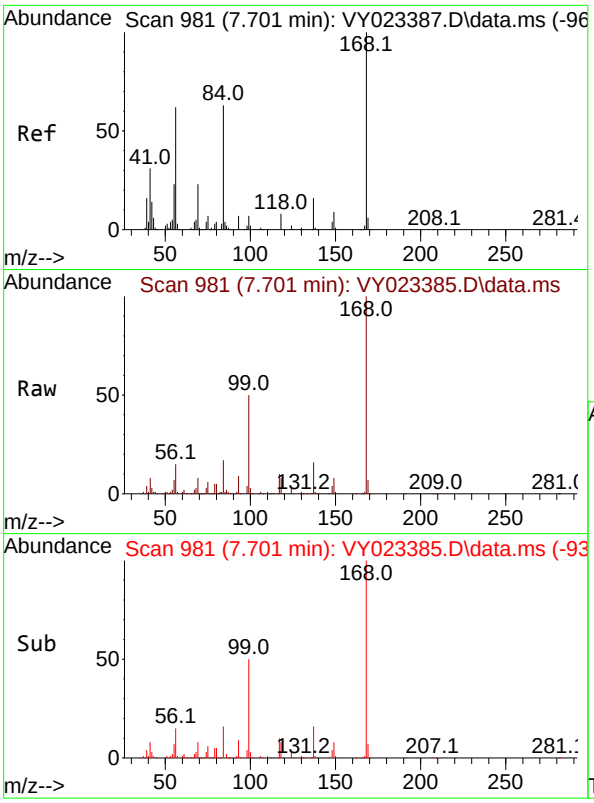


#30
Chloroform
Concen: 9.890 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 83 Resp: 102058

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.5	78.7

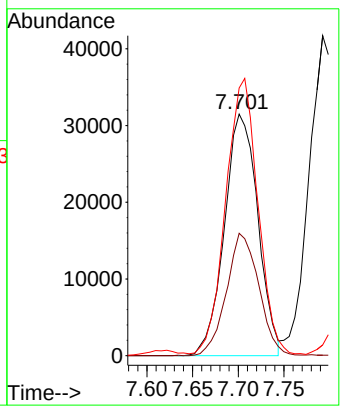




#31
Cyclohexane
Concen: 9.495 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 56 Resp: 8024

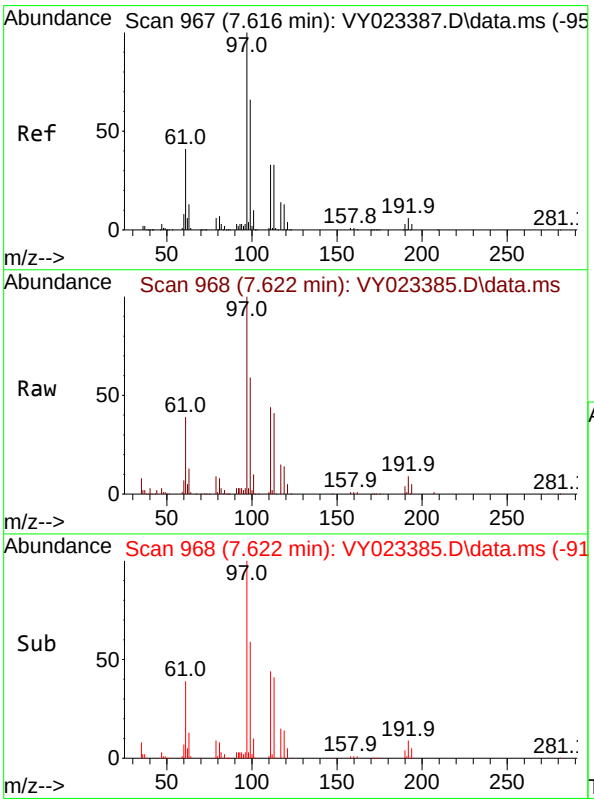
Ion	Ratio	Lower	Upper
56	100		
69	50.5	30.0	45.0
84	109.7	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

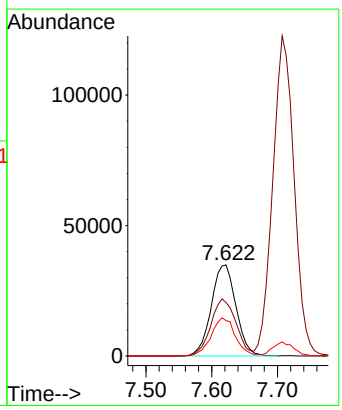
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

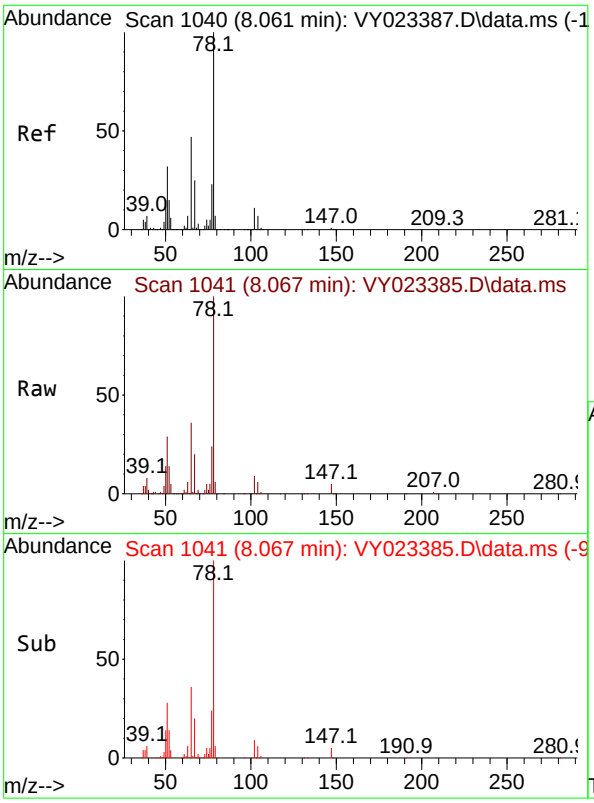


#32
1,1,1-Trichloroethane
Concen: 9.844 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 97 Resp: 91186

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	41.0	31.9	47.9





#33
1,2-Dichloroethane-d4
Concen: 10.071 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

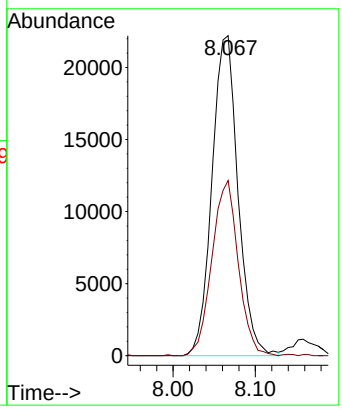
Tgt Ion: 65 Resp: 4882

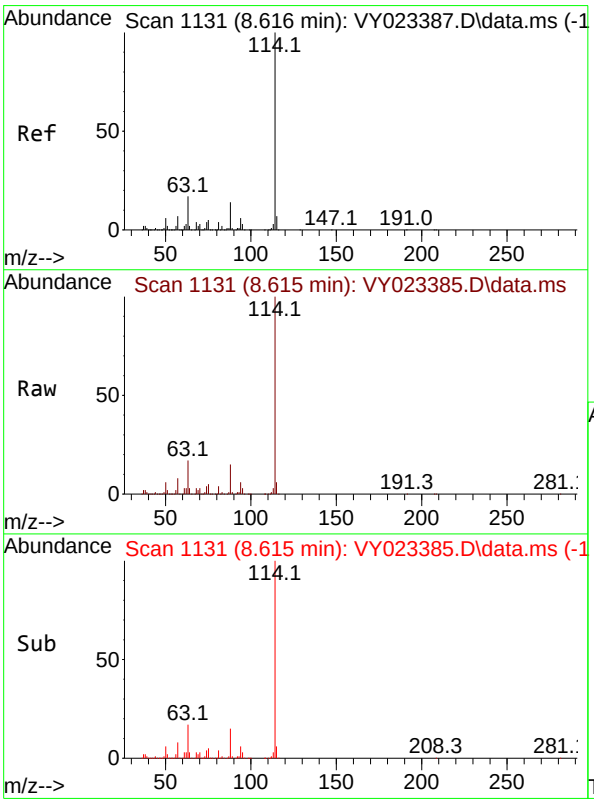
Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

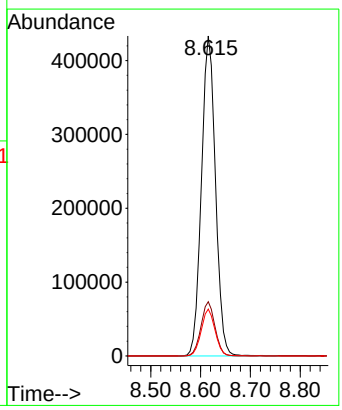


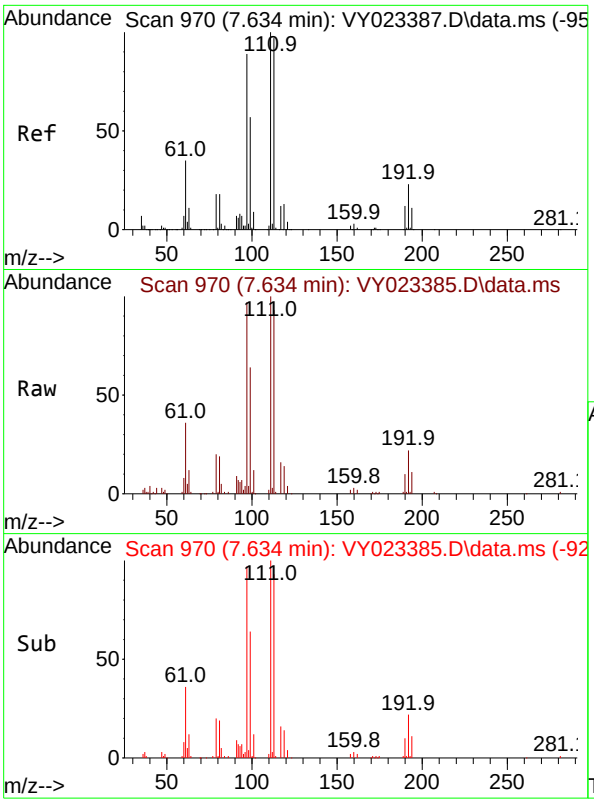


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:114 Resp: 847077

Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	34.2
88	14.7	0.0	28.4

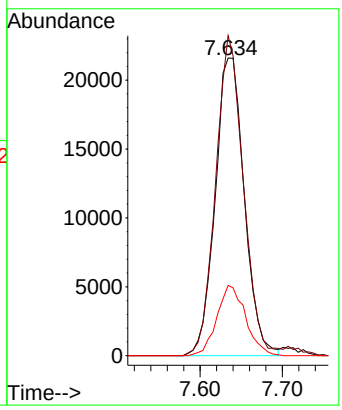




#35
Dibromofluoromethane
Concen: 10.364 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:113 Resp: 5327

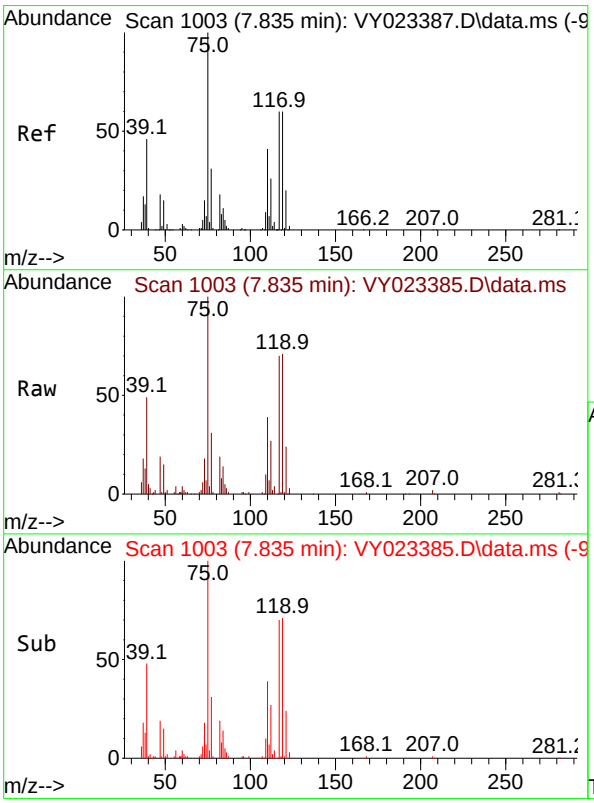
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	23.3	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

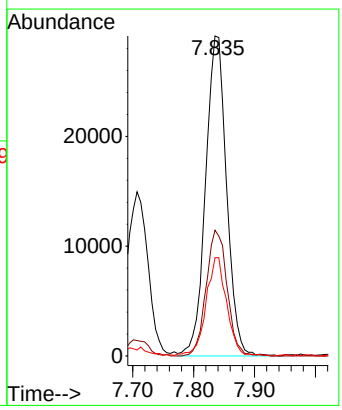
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

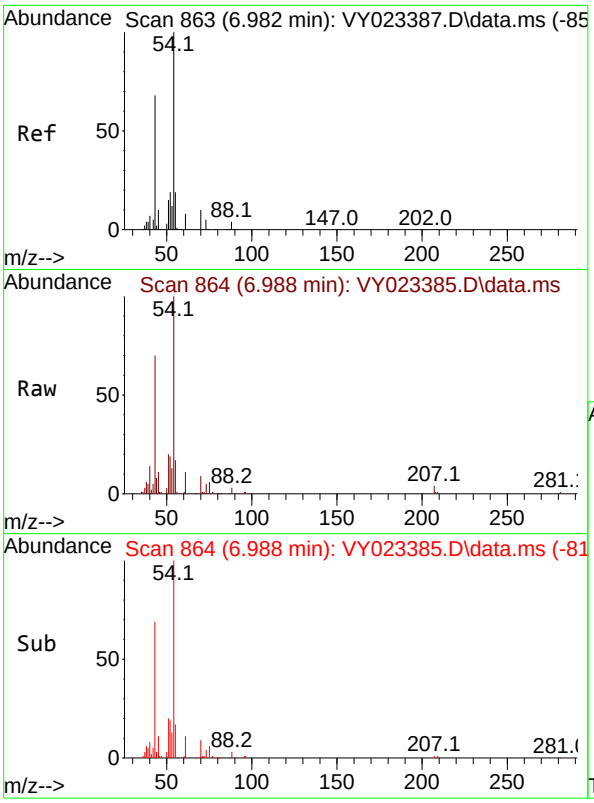


#36
1,1-Dichloropropene
Concen: 9.639 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 69913

Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.9	59.7
77	30.4	25.0	37.6





#37
Ethyl Acetate
Concen: 9.551 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

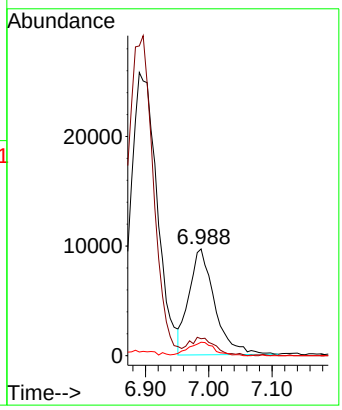
Tgt Ion: 43 Resp: 2738

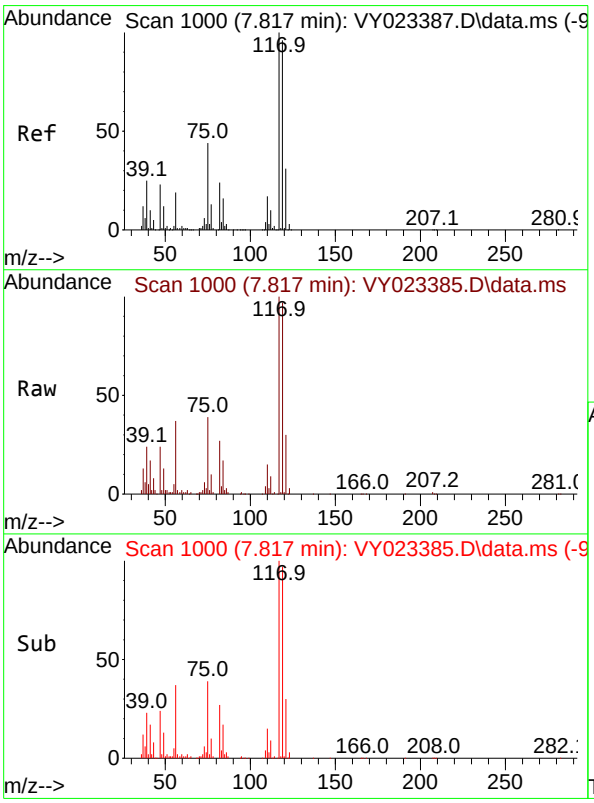
Ion	Ratio	Lower	Upper
43	100		
61	17.3	11.8	17.8
70	12.8	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

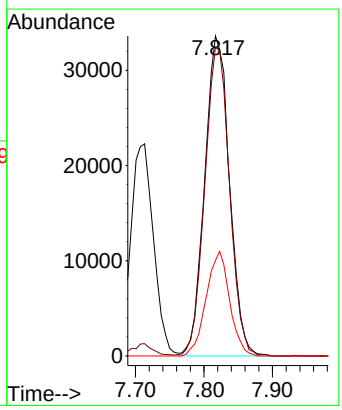


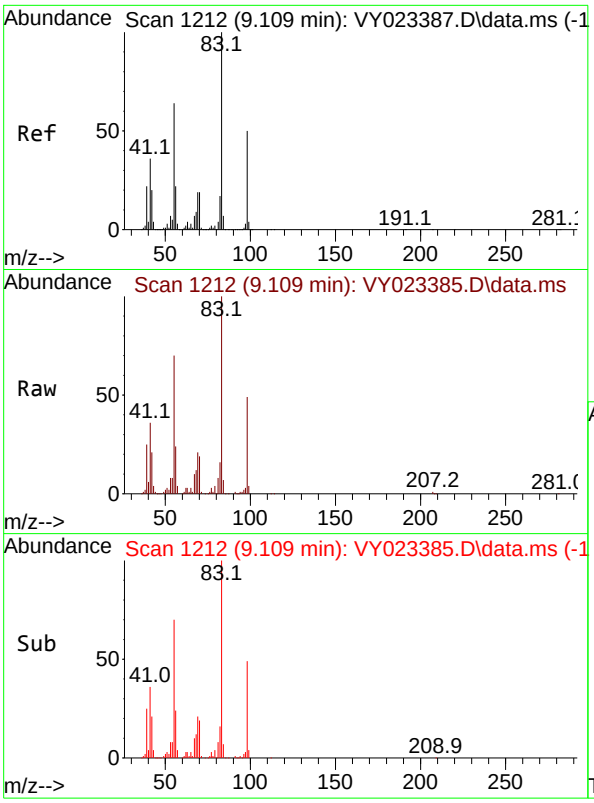


#38
Carbon Tetrachloride
Concen: 10.065 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:117 Resp: 84799

Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.8	115.2
121	29.9	24.5	36.7





#39
Methylcyclohexane
Concen: 8.860 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

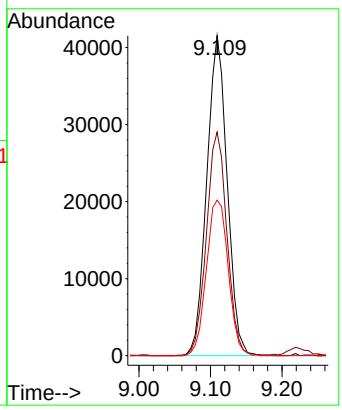
Tgt Ion: 83 Resp: 8227

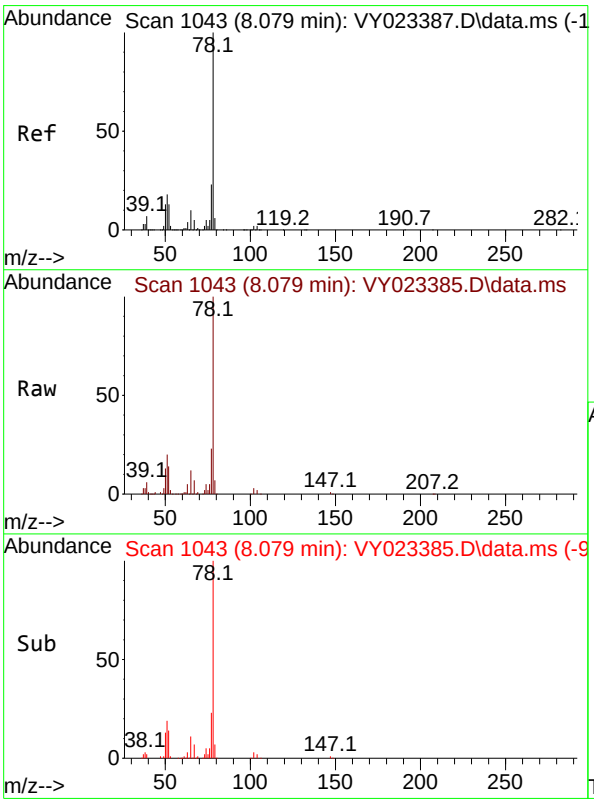
Ion	Ratio	Lower	Upper
83	100		
55	69.7	51.4	77.2
98	48.6	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

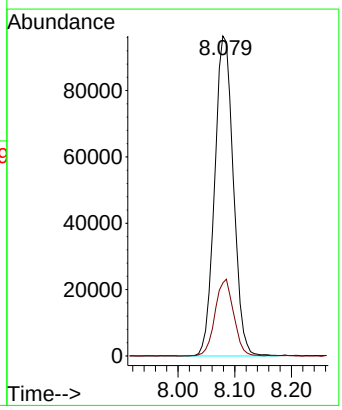


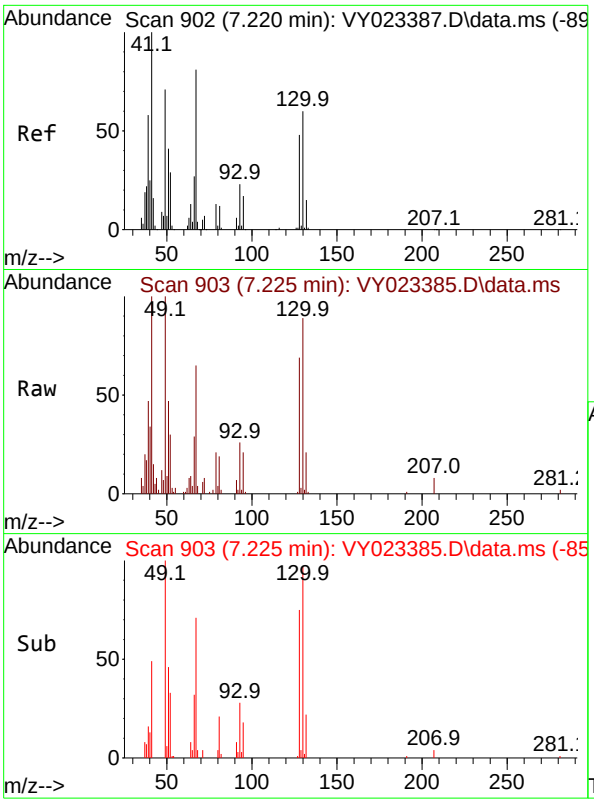


#40
Benzene
Concen: 9.758 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 78 Resp: 220629

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.3	27.5

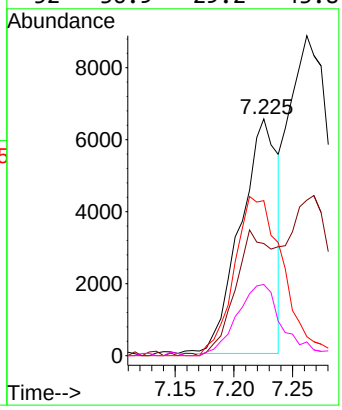




#41
Methacrylonitrile
Concen: 9.632 ug/l
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 41 Resp: 1434

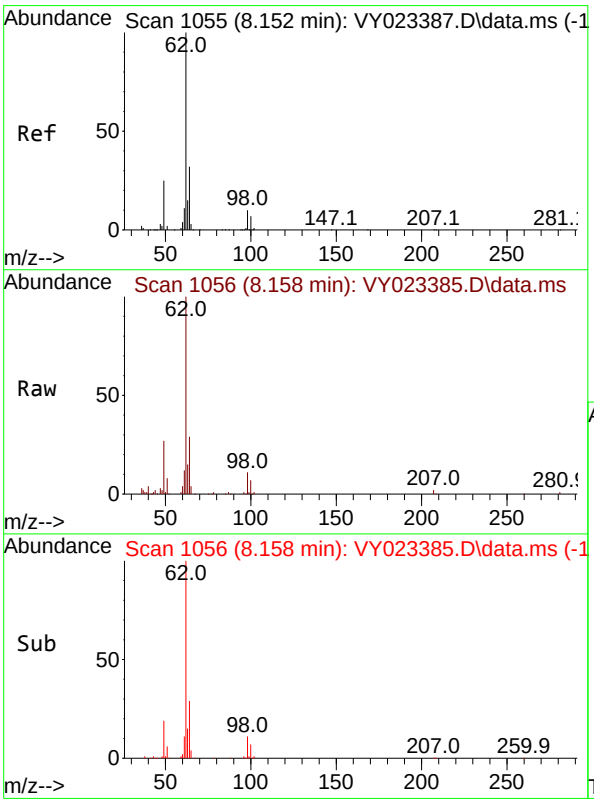
Ion	Ratio	Lower	Upper
41	100		
39	49.9	52.2	78.4
67	90.2	74.9	112.3
52	36.9	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

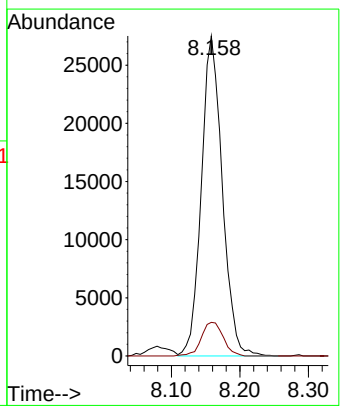
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

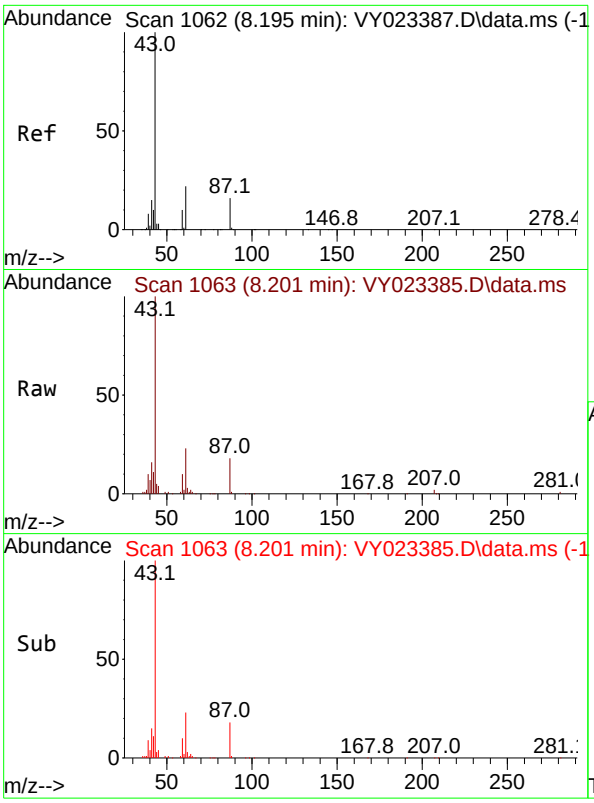


#42
1,2-Dichloroethane
Concen: 10.174 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 62 Resp: 58541

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.6

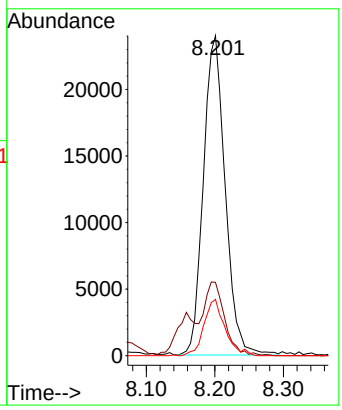




#43
Isopropyl Acetate
Concen: 9.510 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 5304

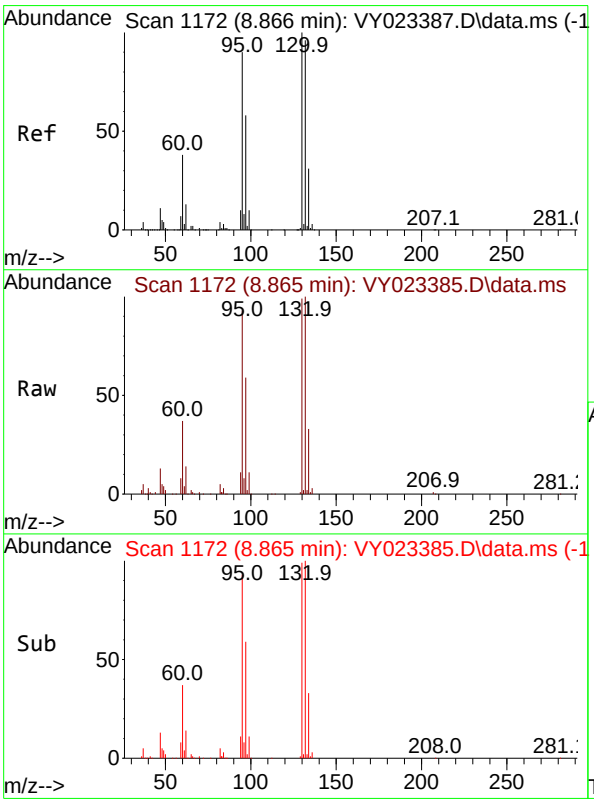
Ion	Ratio	Lower	Upper
43	100		
61	21.4	18.1	27.1
87	17.0	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

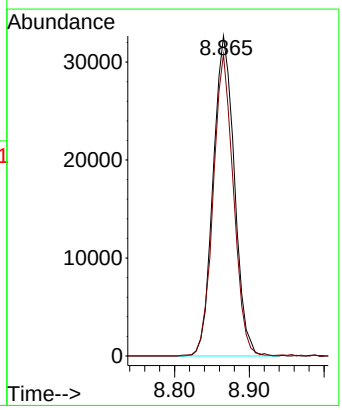
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

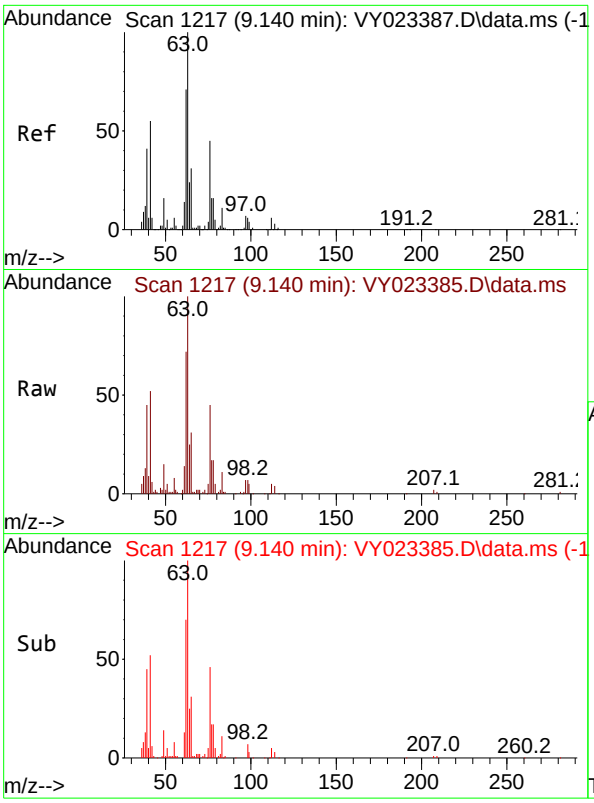


#44
Trichloroethene
Concen: 10.171 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:130 Resp: 64537

Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	180.6

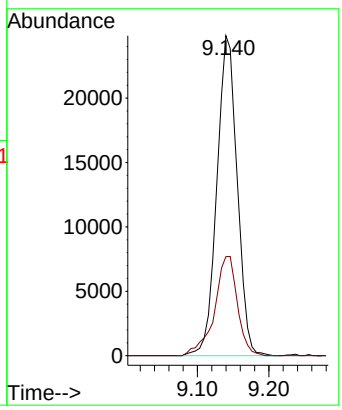




#45
1,2-Dichloropropane
Concen: 9.632 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 63 Resp: 4900

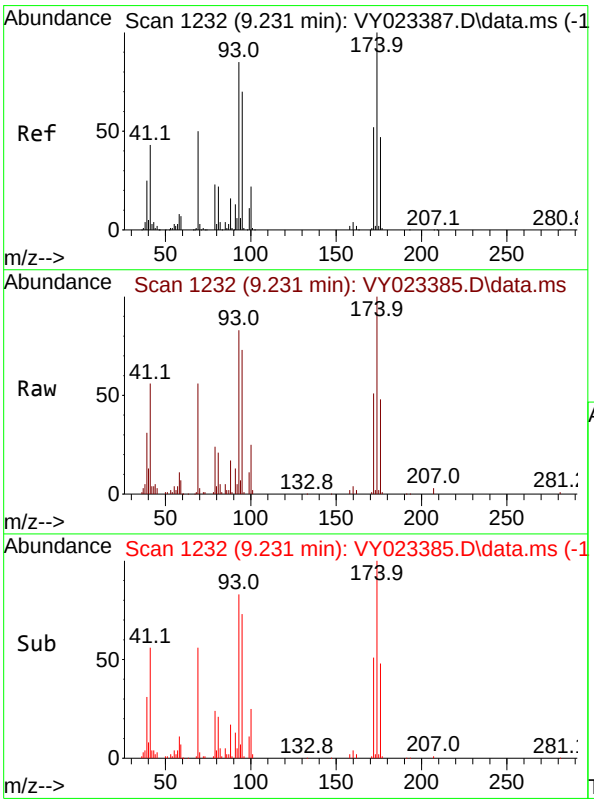
Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

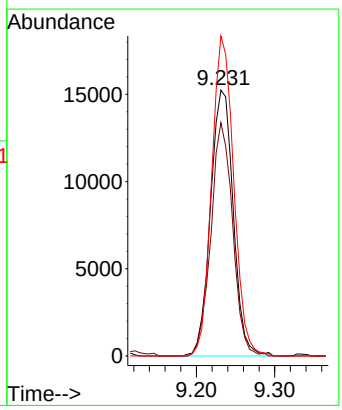
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

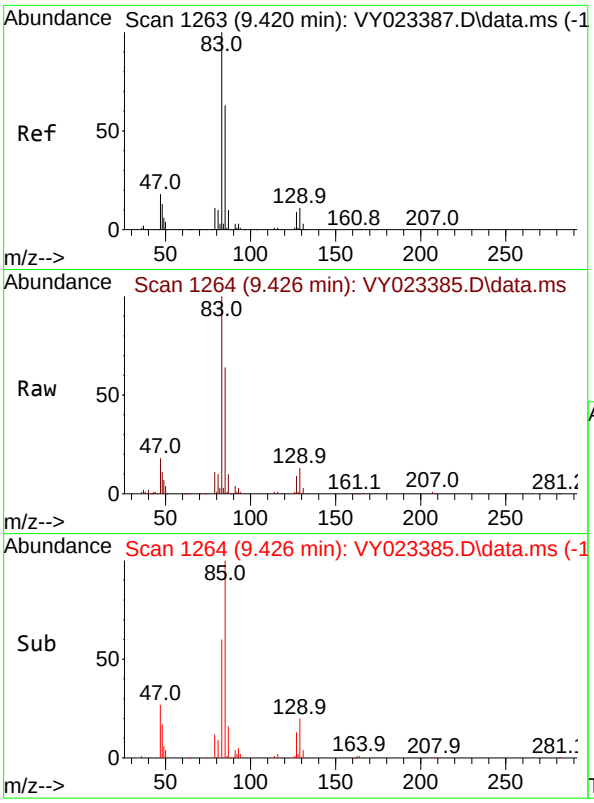


#46
Dibromomethane
Concen: 9.890 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 93 Resp: 30780

Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.4	98.0
174	116.7	92.9	139.3

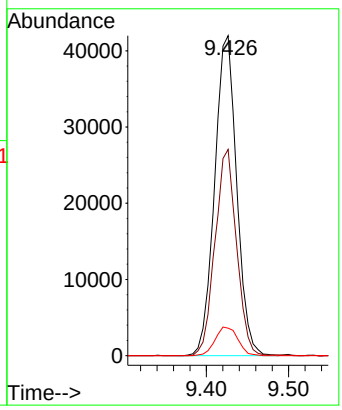




#47
Bromodichloromethane
Concen: 10.007 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 83 Resp: 7839

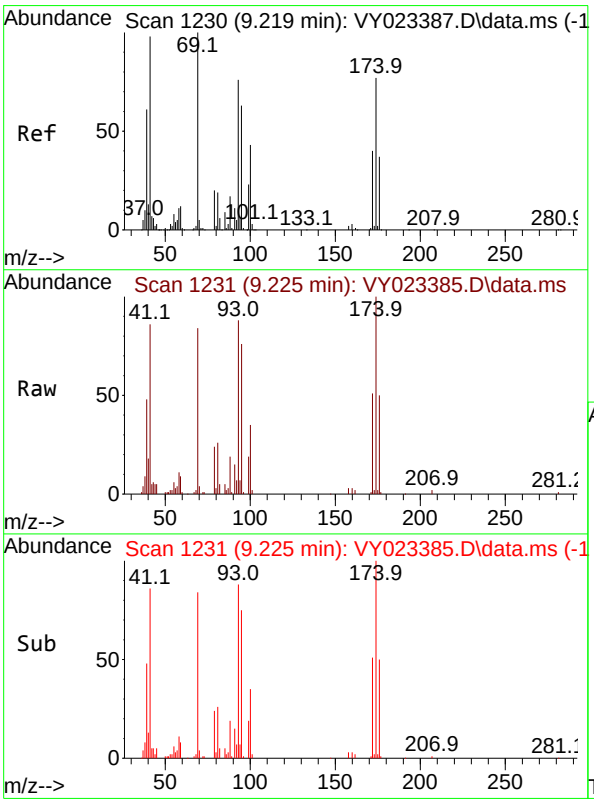
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.8	76.2
127	8.6	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

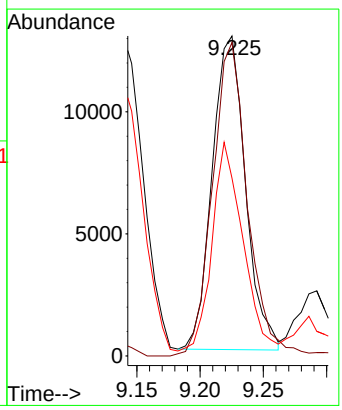
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

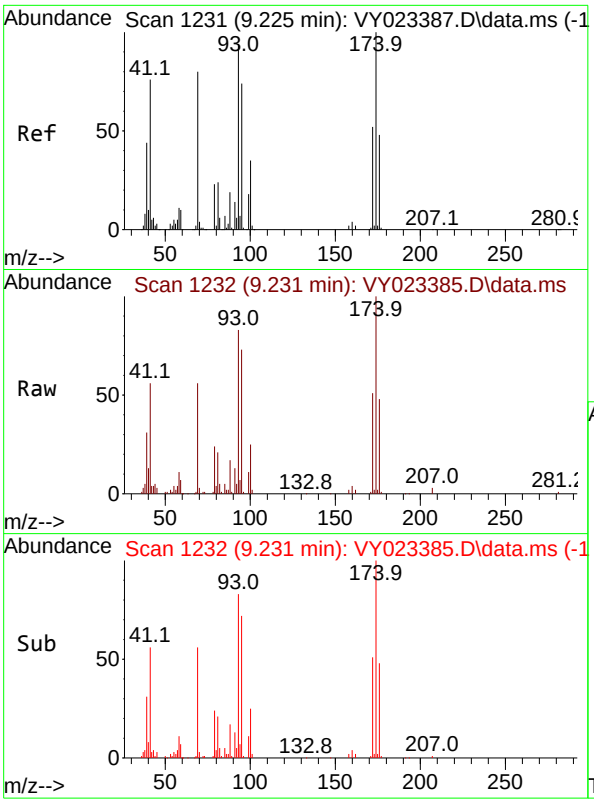


#48
Methyl methacrylate
Concen: 9.023 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 41 Resp: 23484

Ion	Ratio	Lower	Upper
41	100		
69	105.8	81.0	121.4
39	61.4	48.2	72.4





#49
1,4-Dioxane
Concen: 211.693 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

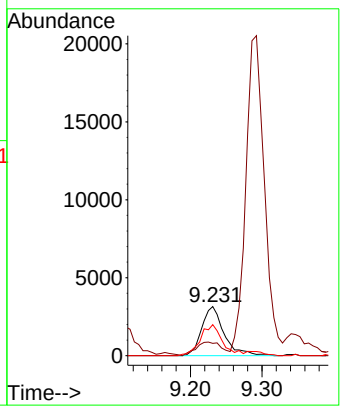
Tgt Ion: 88 Resp: 682

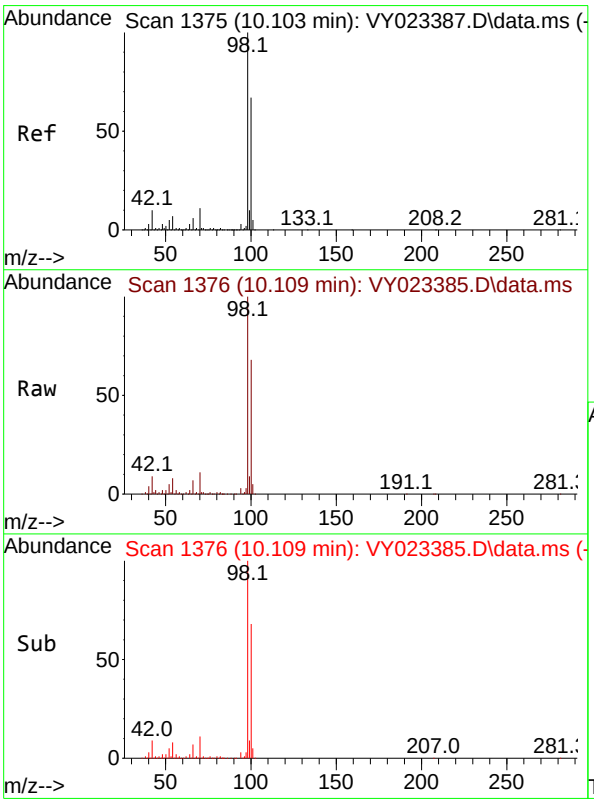
Ion	Ratio	Lower	Upper
88	100		
43	32.1	21.8	32.8
58	62.0	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

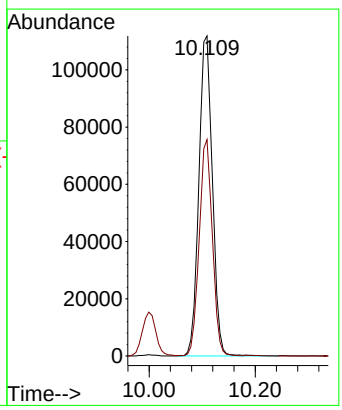


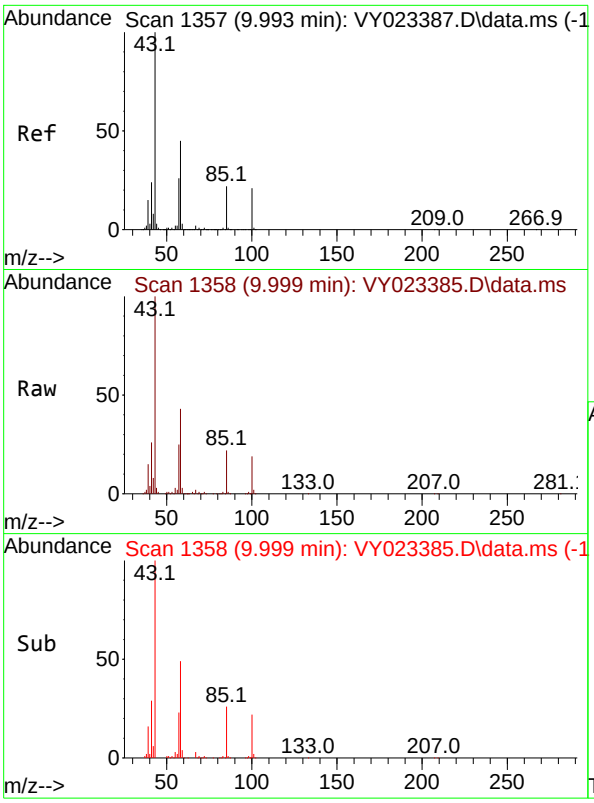


#50
Toluene-d8
Concen: 10.225 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 98 Resp: 198242

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4

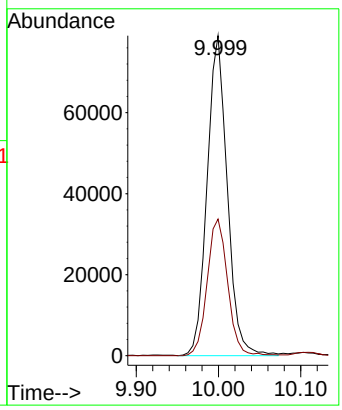




#51
4-Methyl-2-Pentanone
Concen: 47.165 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 13474

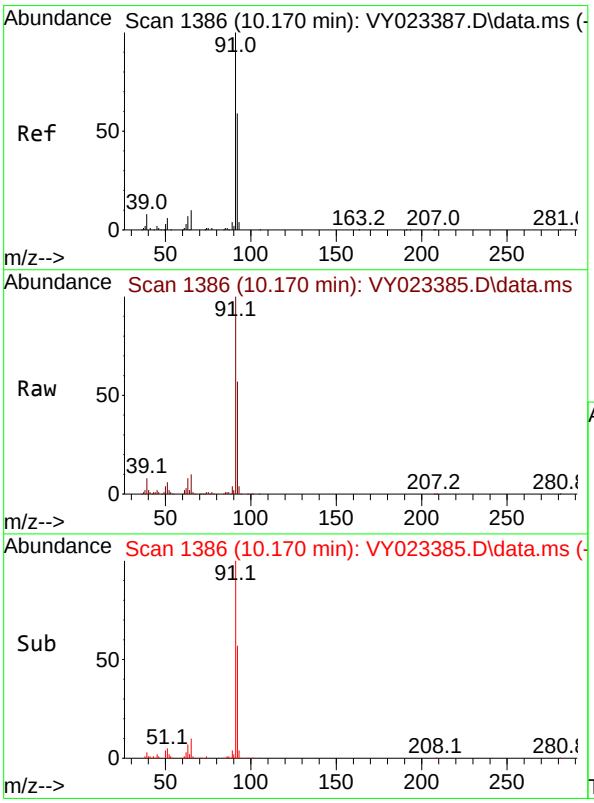
Ion	Ratio	Lower	Upper
43	100		
58	43.5	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

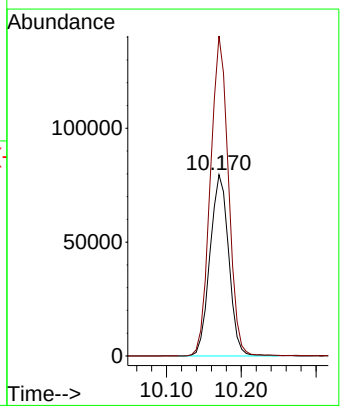
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

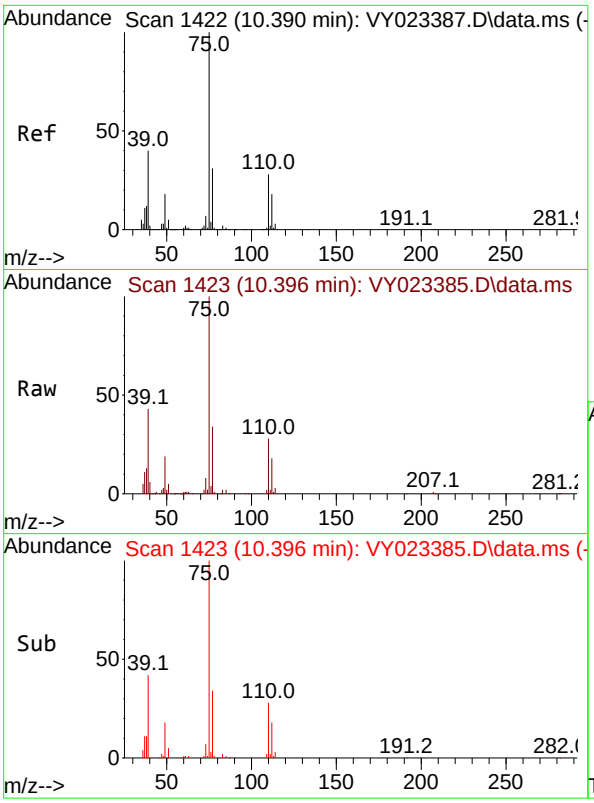


#52
Toluene
Concen: 9.661 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 92 Resp: 138662

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.4	204.6

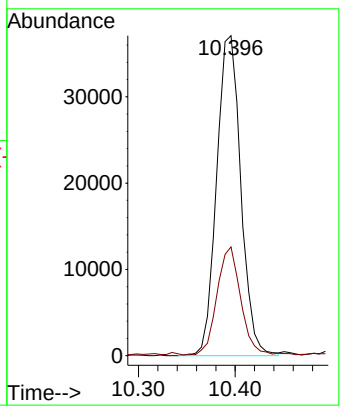




#53
t-1,3-Dichloropropene
Concen: 9.559 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 6431

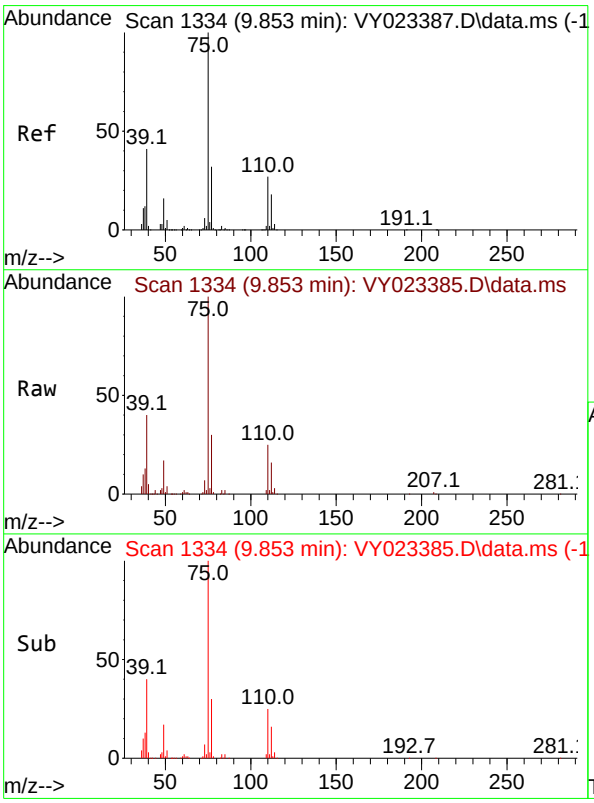
Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

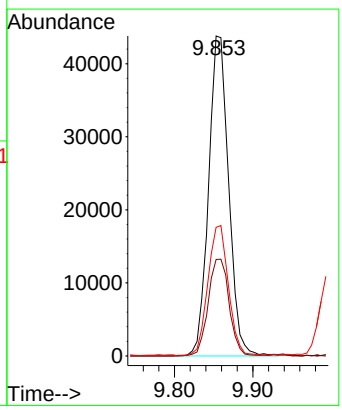
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

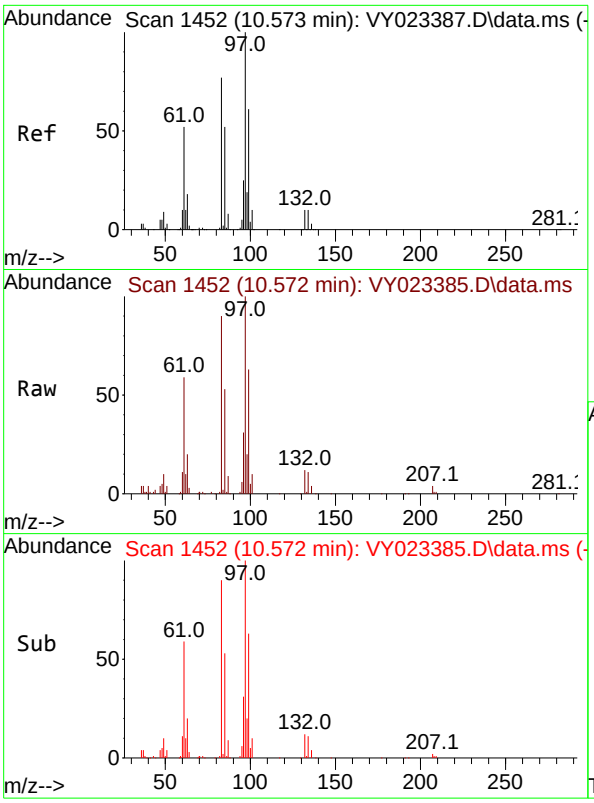


#54
cis-1,3-Dichloropropene
Concen: 9.687 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 77905

Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.4	38.0
39	40.2	32.8	49.2

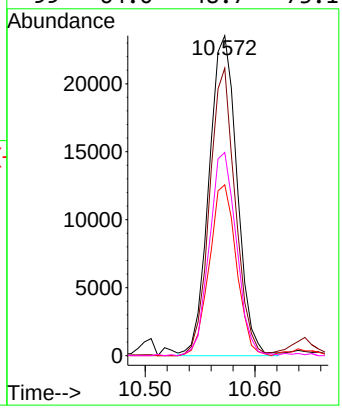




#55
1,1,2-Trichloroethane
Concen: 10.118 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 97 Resp: 4188

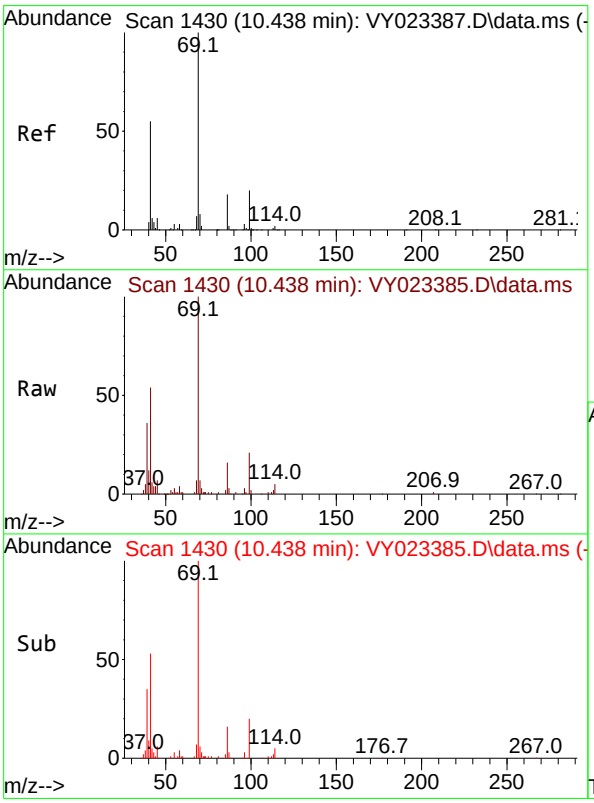
Ion	Ratio	Lower	Upper
97	100		
83	90.6	61.8	92.6
85	53.8	41.3	61.9
99	64.0	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

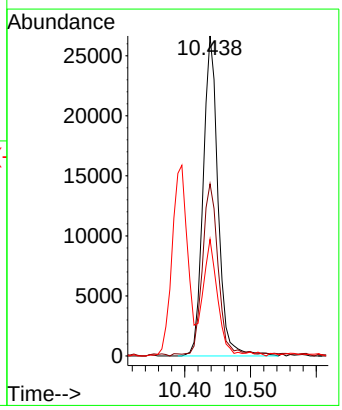
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

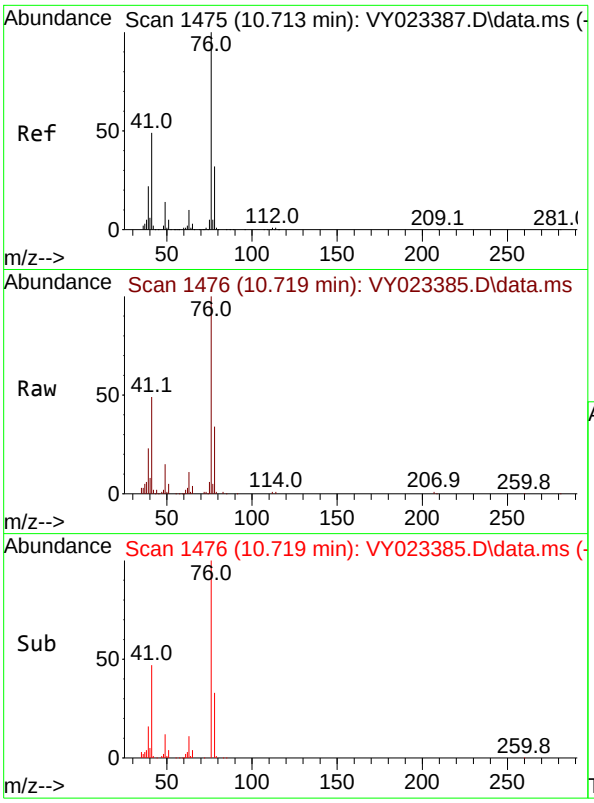


#56
Ethyl methacrylate
Concen: 8.830 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 69 Resp: 42096

Ion	Ratio	Lower	Upper
69	100		
41	58.1	44.6	67.0
39	34.5	27.0	40.4

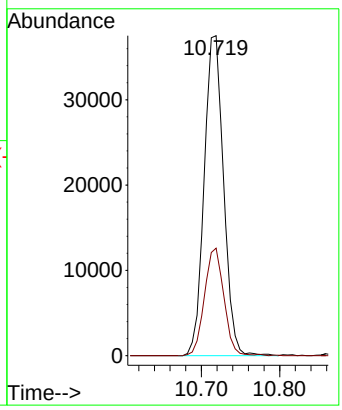




#57
1,3-Dichloropropane
Concen: 9.633 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 76 Resp: 6453

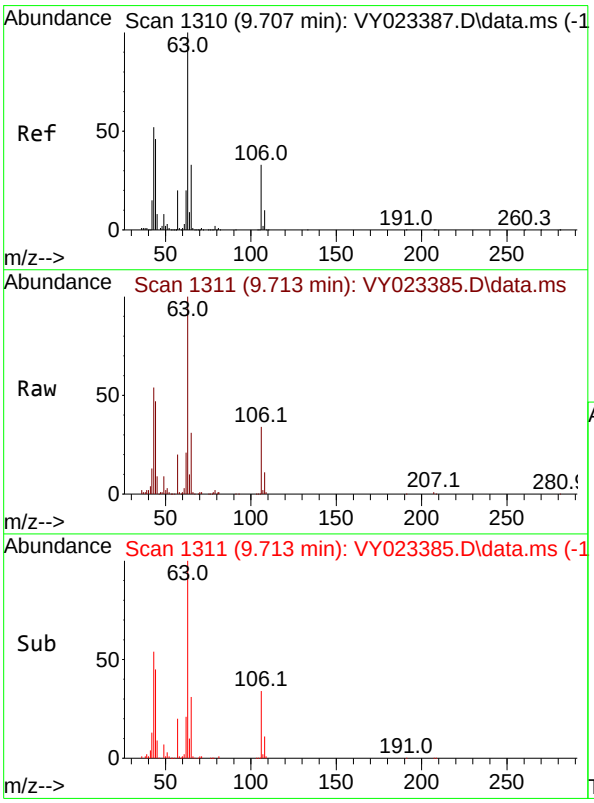
Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

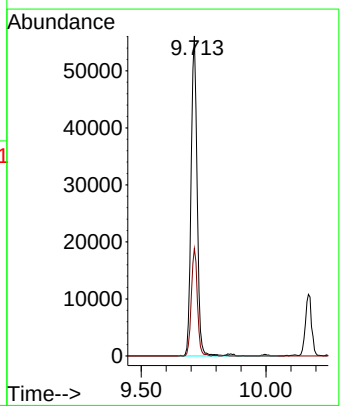
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

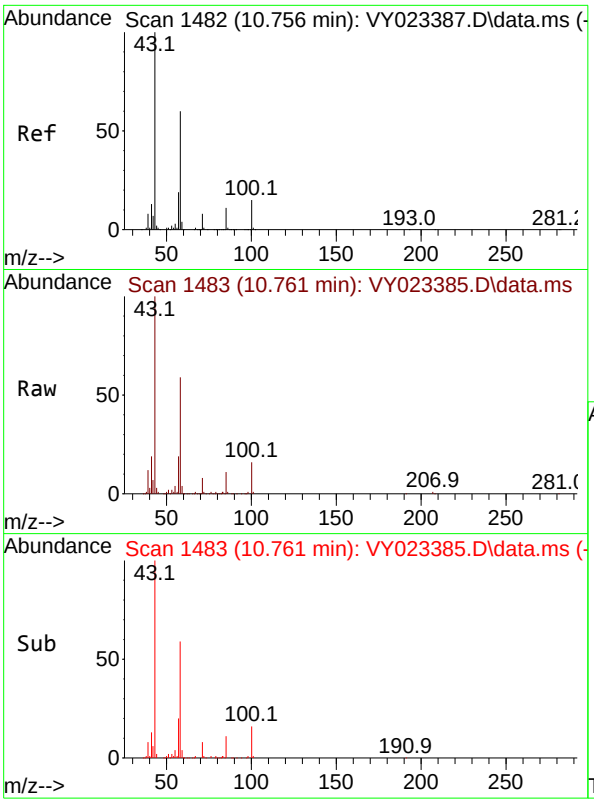


#58
2-Chloroethyl Vinyl ether
Concen: 45.535 ug/l m
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 63 Resp: 94970

Ion	Ratio	Lower	Upper
63	100		
106	33.4	26.6	39.8

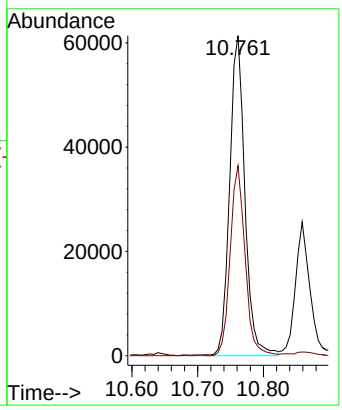




#59
2-Hexanone
Concen: 50.138 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 9917

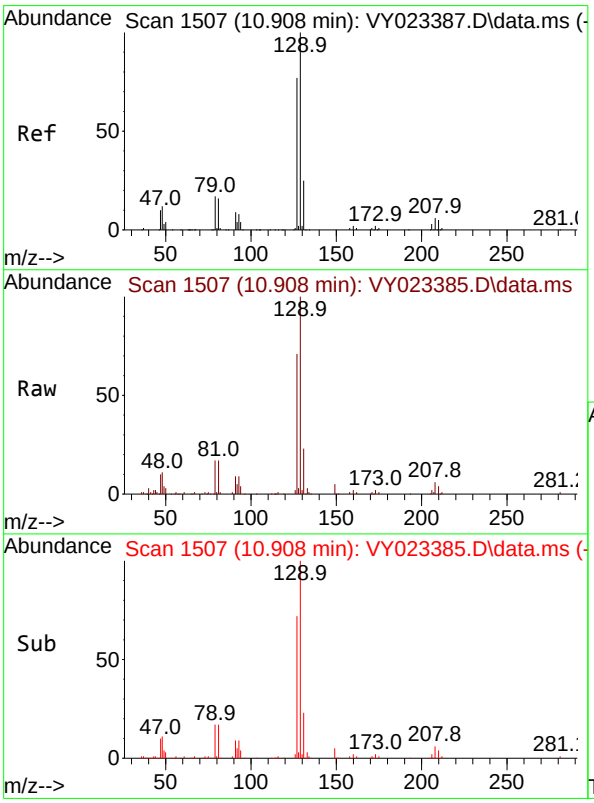
Ion	Ratio	Lower	Upper
43	100		
58	58.0	30.5	91.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

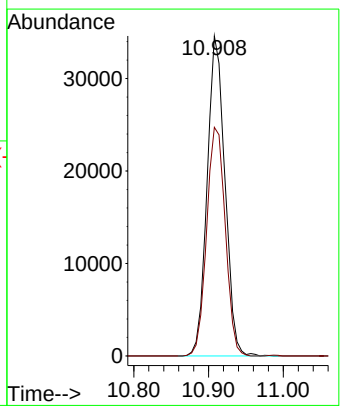
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

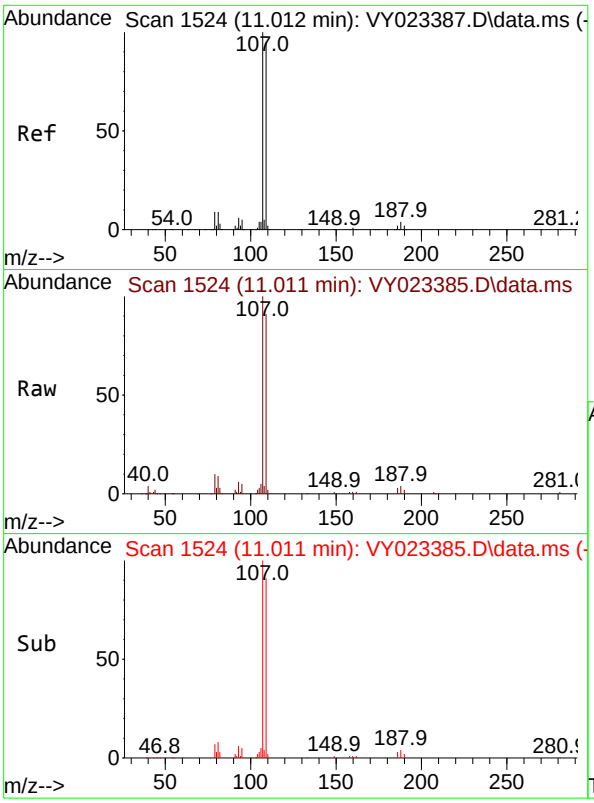


#60
Dibromochloromethane
Concen: 10.123 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:129 Resp: 57151

Ion	Ratio	Lower	Upper
129	100		
127	74.9	38.6	115.7





#61
1,2-Dibromoethane
Concen: 9.979 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

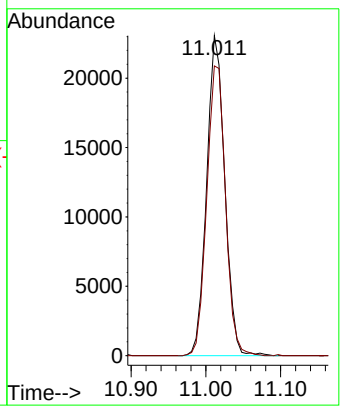
Tgt Ion:107 Resp: 3886

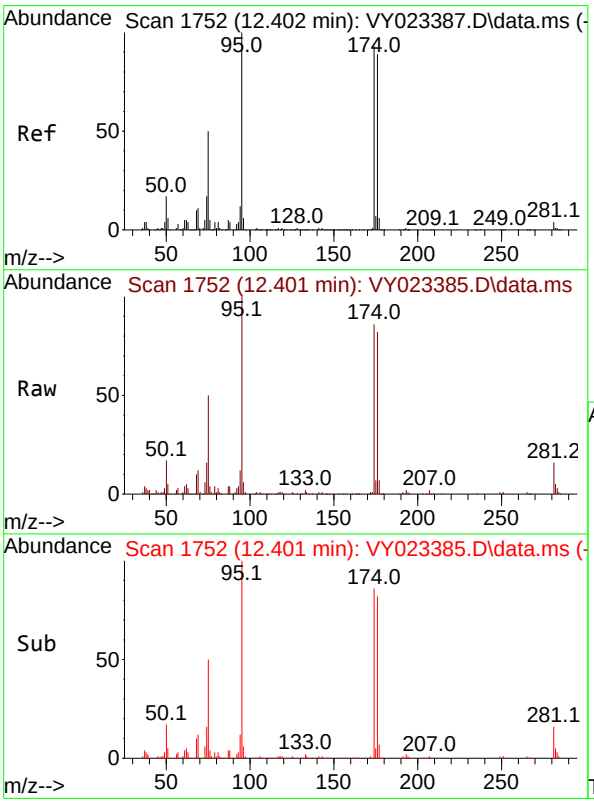
Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

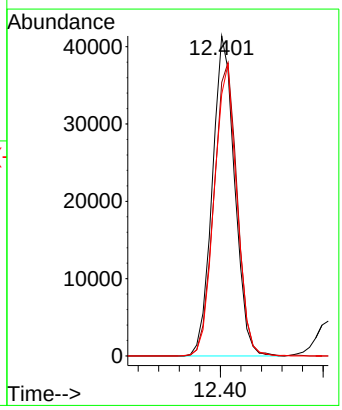


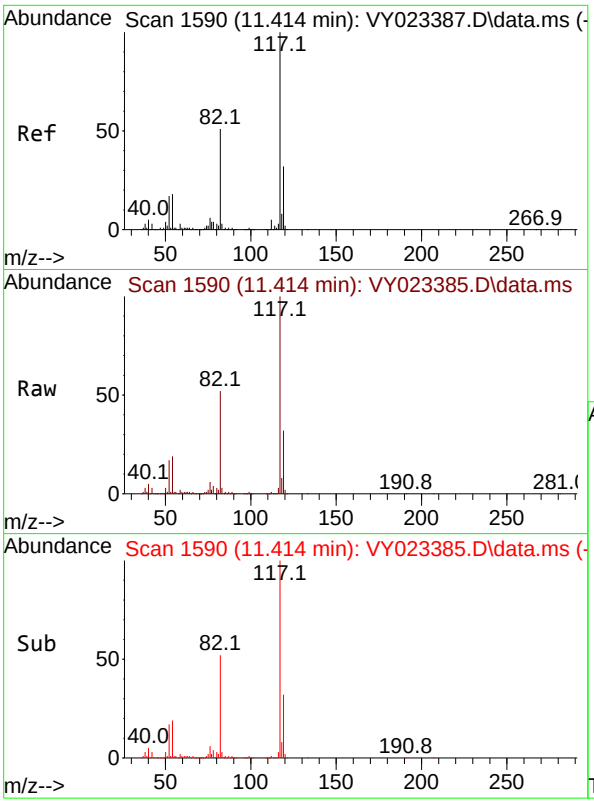


#62
4-Bromofluorobenzene
Concen: 10.235 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 95 Resp: 62601

Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	192.8
176	92.1	0.0	187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

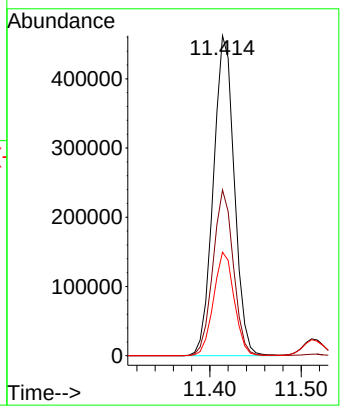
Tgt Ion:117 Resp: 73615

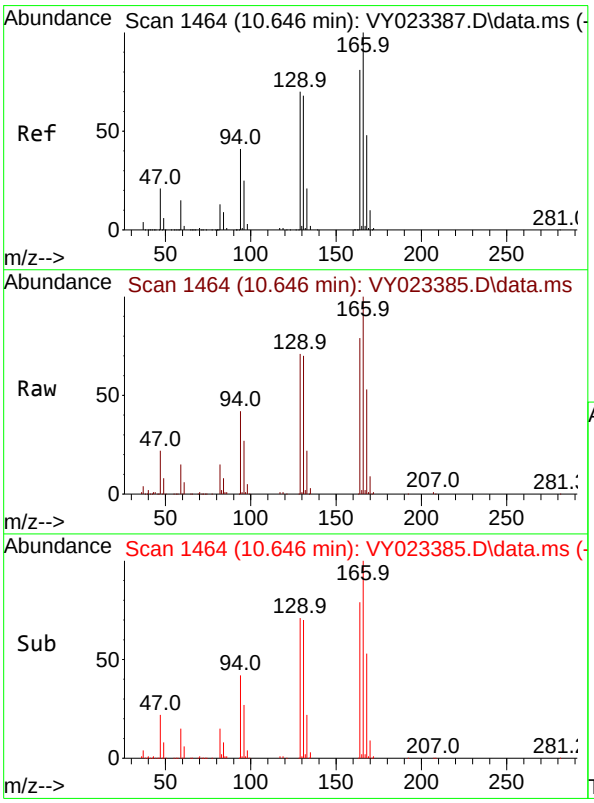
Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.0	61.4
119	32.3	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

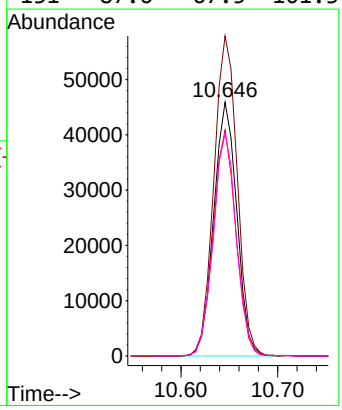


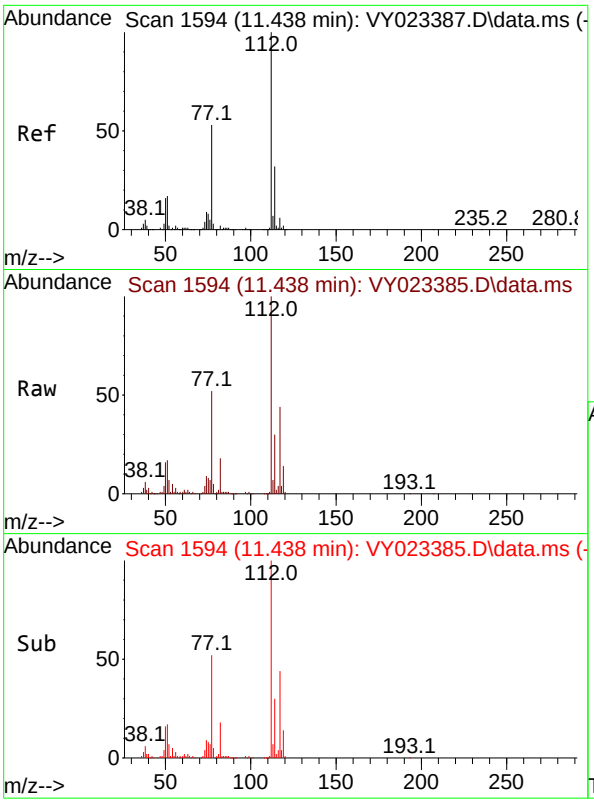


#64
Tetrachloroethene
Concen: 10.335 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:164 Resp: 76110

Ion	Ratio	Lower	Upper
164	100		
166	126.1	99.4	149.0
129	89.0	69.4	104.2
131	87.6	67.5	101.3

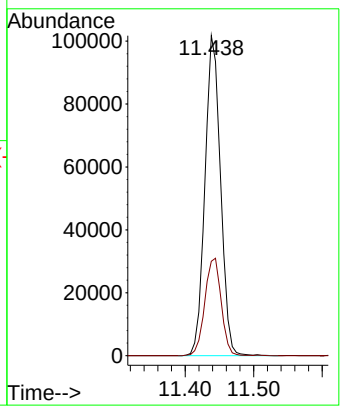




#65
Chlorobenzene
Concen: 10.074 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:112 Resp: 16115

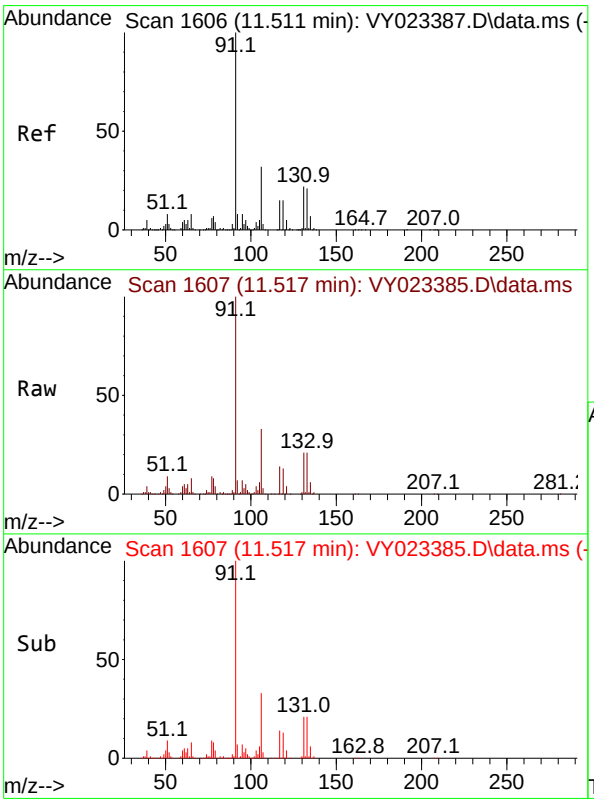
Ion	Ratio	Lower	Upper
112	100		
114	29.5	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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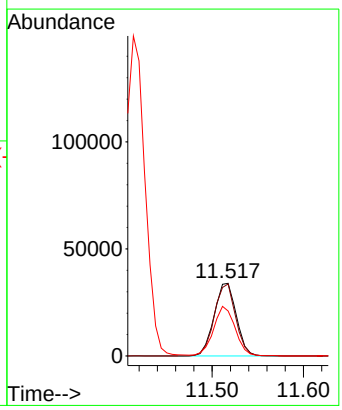
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

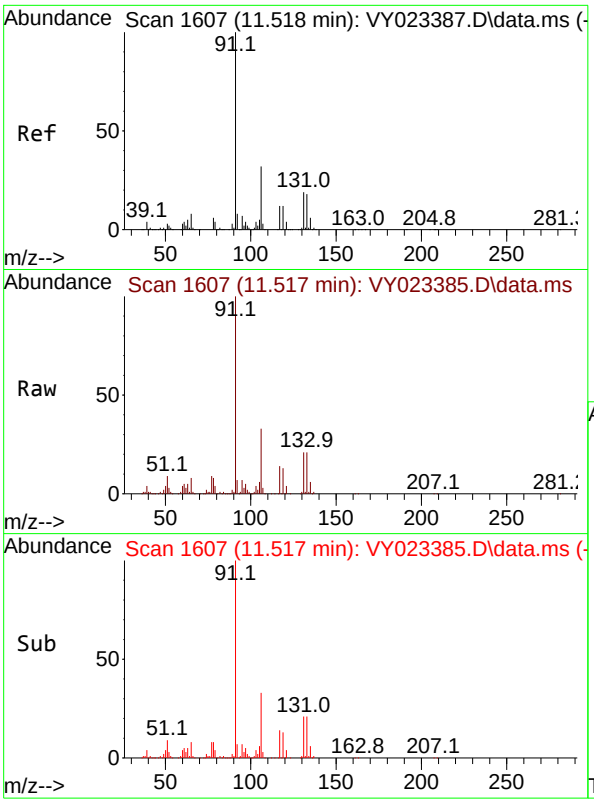


#66
1,1,1,2-Tetrachloroethane
Concen: 10.173 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:131 Resp: 57233

Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.4	145.2
119	66.9	32.4	97.2

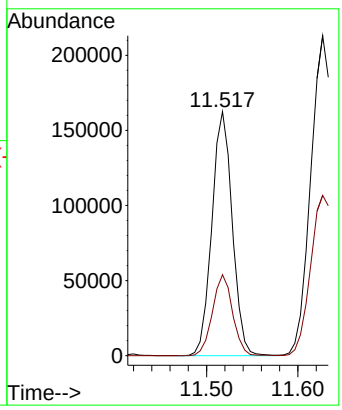




#67
Ethyl Benzene
Concen: 9.651 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 91 Resp: 25195

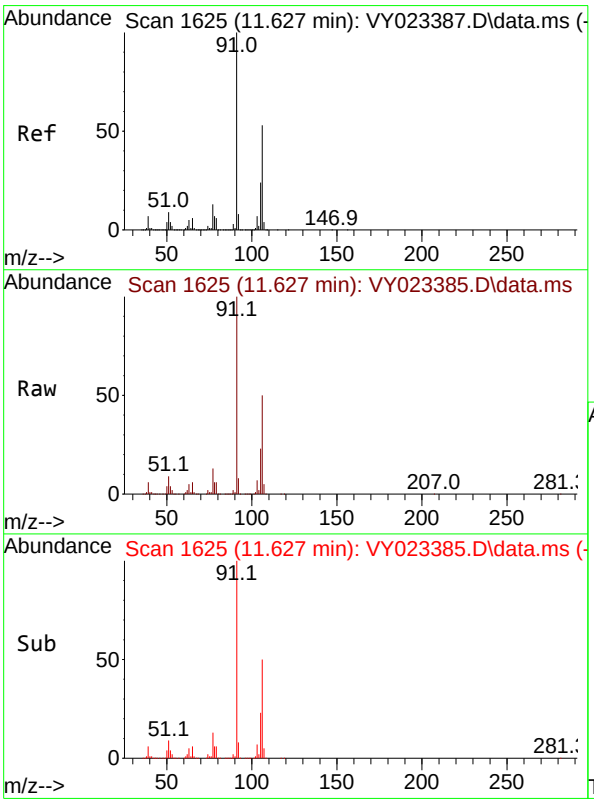
Ion	Ratio	Lower	Upper
91	100		
106	33.1	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

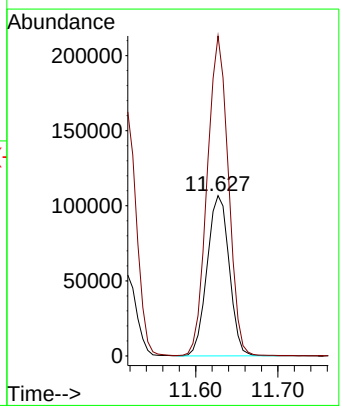
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

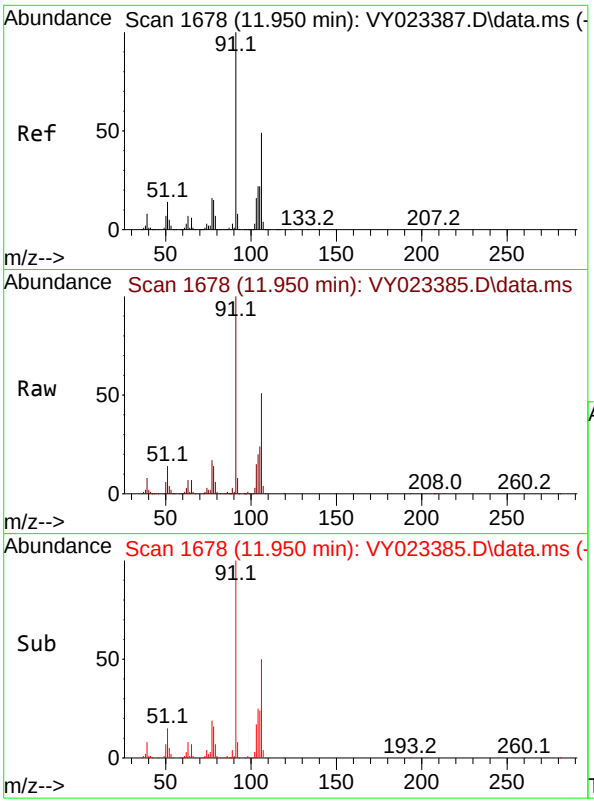


#68
m/p-Xylenes
Concen: 19.004 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:106 Resp: 198866

Ion	Ratio	Lower	Upper
106	100		
91	192.3	152.6	229.0

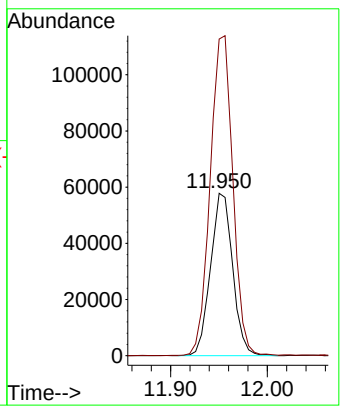




#69
o-Xylene
Concen: 9.467 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:106 Resp: 9171

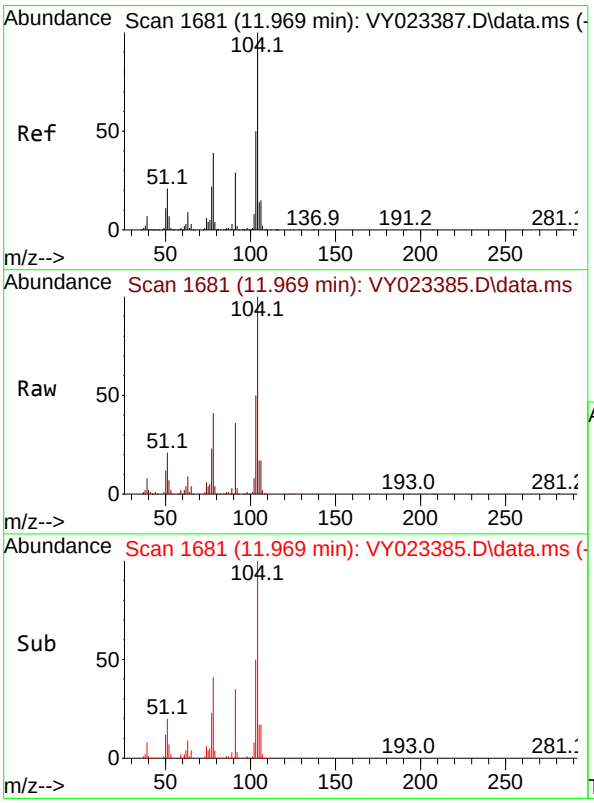
Ion	Ratio	Lower	Upper
106	100		
91	202.0	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

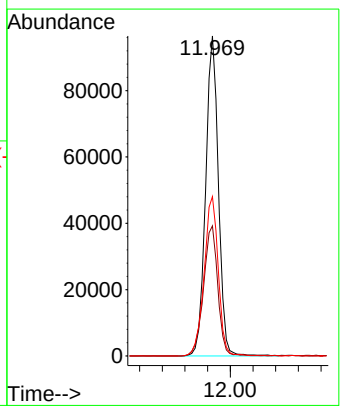
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

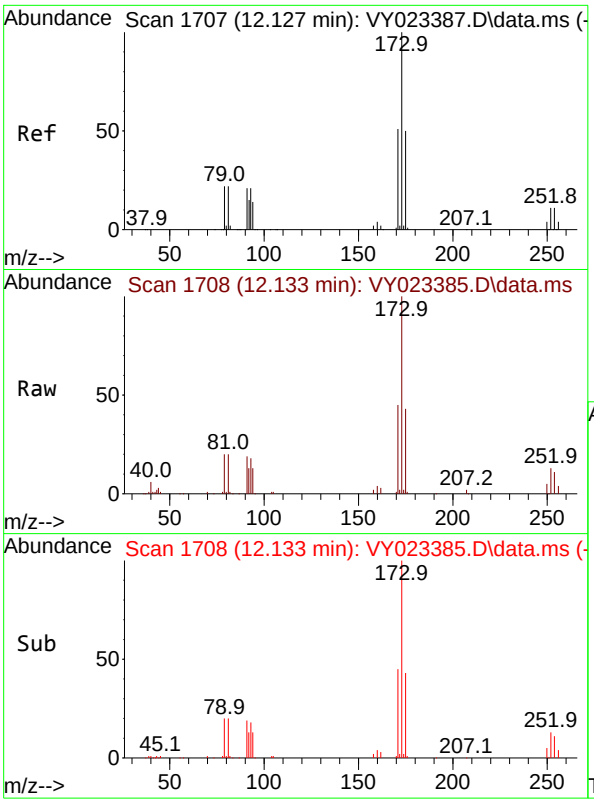


#70
Styrene
Concen: 9.446 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:104 Resp: 151094

Ion	Ratio	Lower	Upper
104	100		
78	45.4	36.1	54.1
103	55.0	43.2	64.8

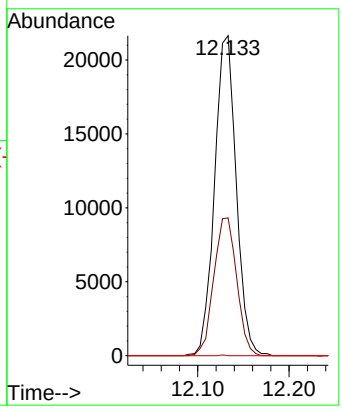




#71
Bromoform
Concen: 10.595 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:173 Resp: 3568

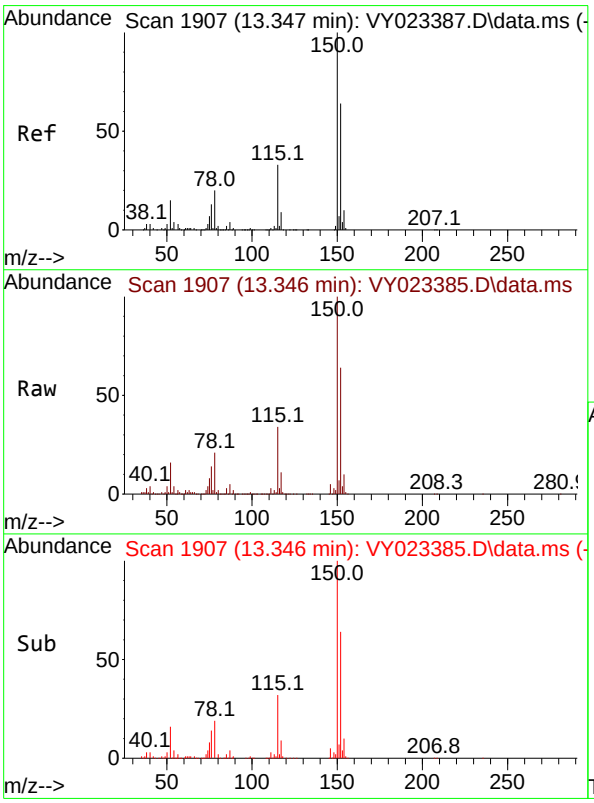
Ion	Ratio	Lower	Upper
173	100		
175	45.5	24.8	74.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

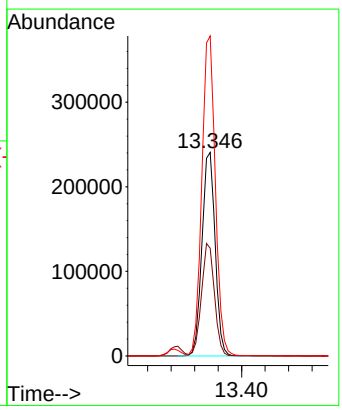
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

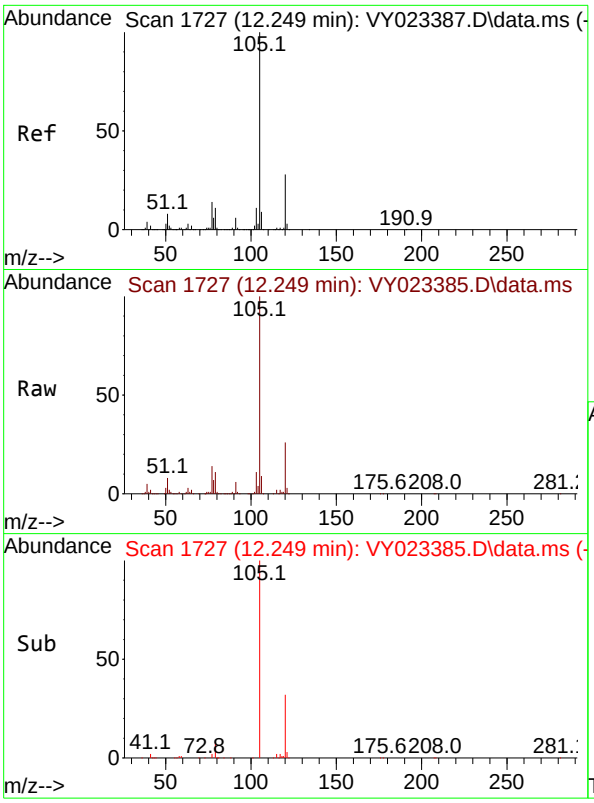


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:152 Resp: 374998

Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.1	81.2
150	160.7	0.0	347.4

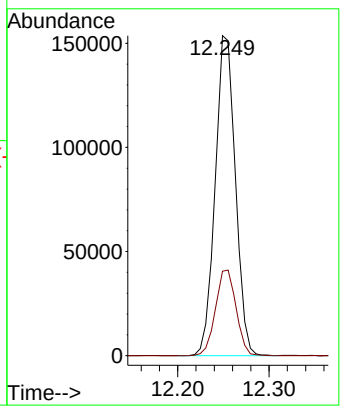




#73
Isopropylbenzene
Concen: 9.467 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:105 Resp: 23648

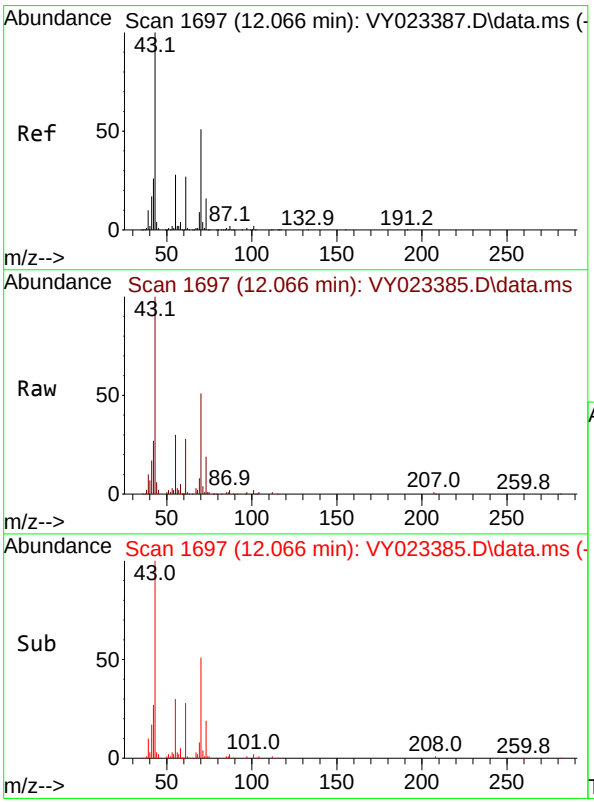
Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

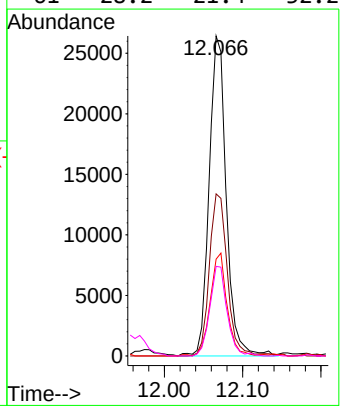
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

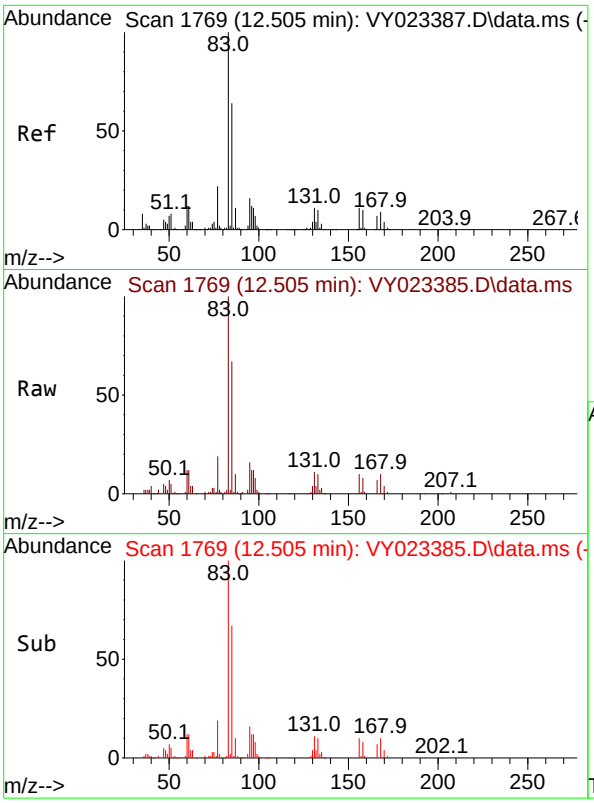


#74
N-amyl acetate
Concen: 8.590 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 40098

Ion	Ratio	Lower	Upper
43	100		
70	52.7	41.1	61.7
55	31.6	23.0	34.6
61	28.2	21.4	32.2





#75
1,1,2,2-Tetrachloroethane
Concen: 9.871 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

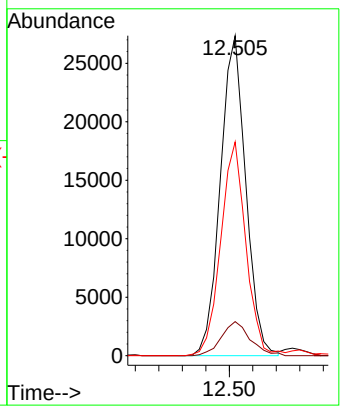
Tgt Ion: 83 Resp: 4113

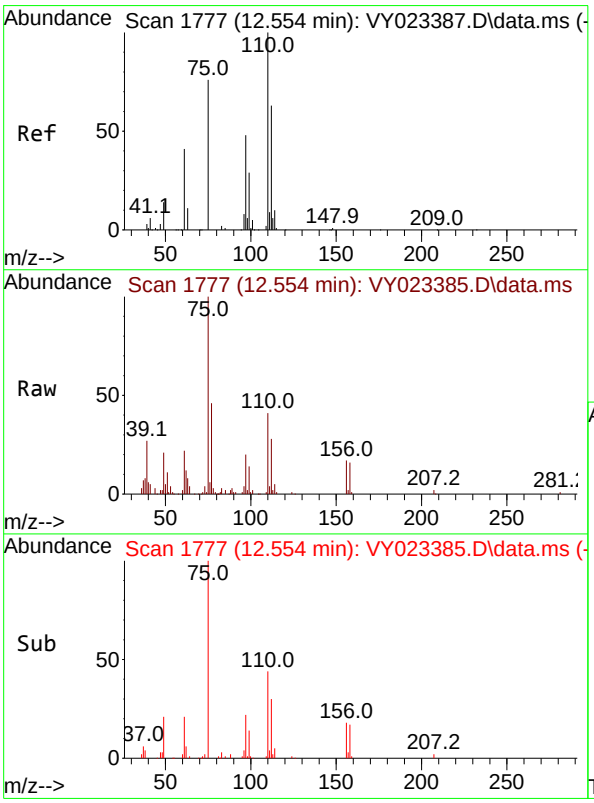
Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.9	17.6
85	66.1	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

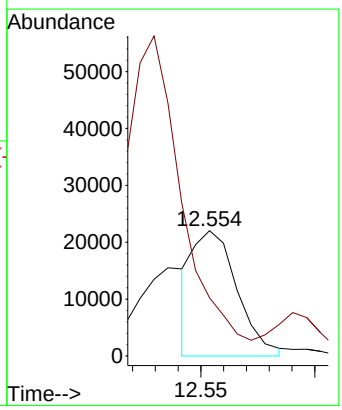


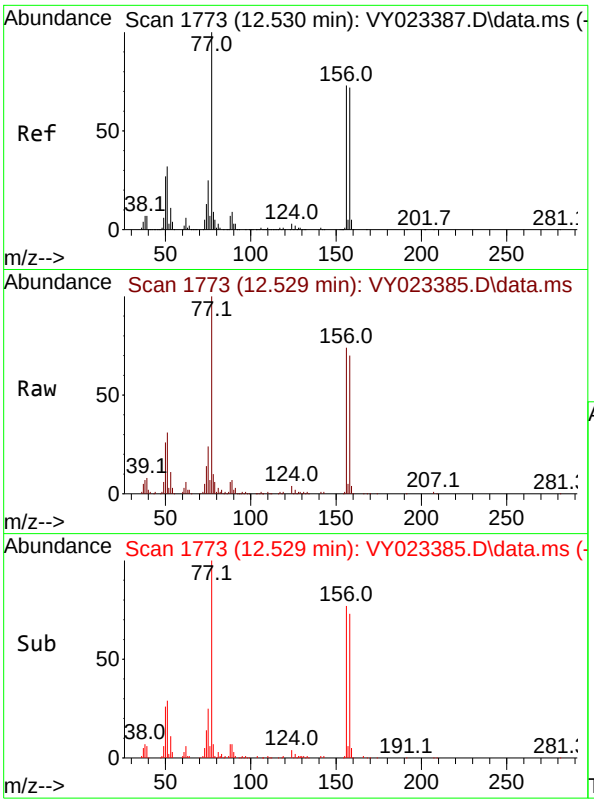


#76
1,2,3-Trichloropropane
Concen: 8.095 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 29944

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

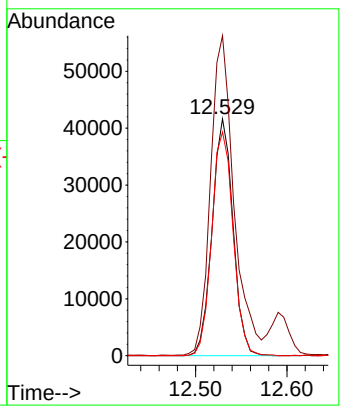




#77
Bromobenzene
Concen: 10.295 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:156 Resp: 6600

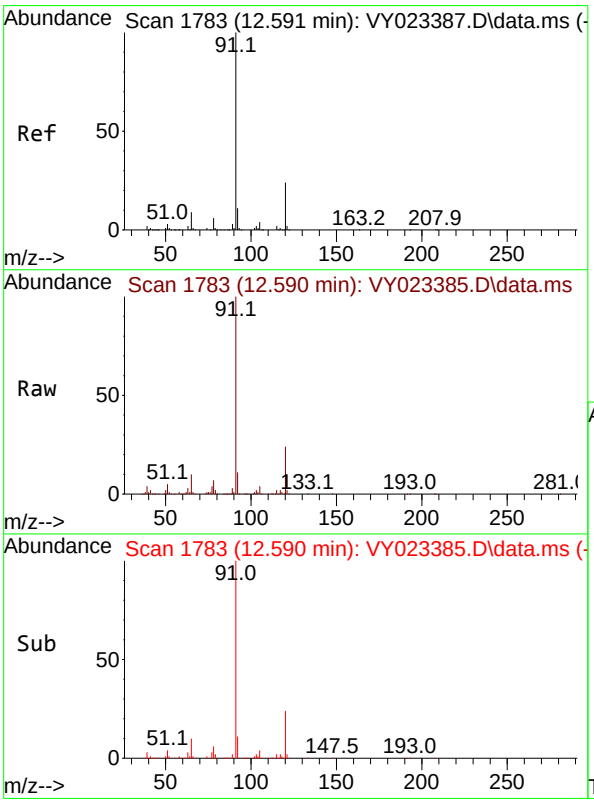
Ion	Ratio	Lower	Upper
156	100		
77	151.8	76.8	230.5
158	97.0	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

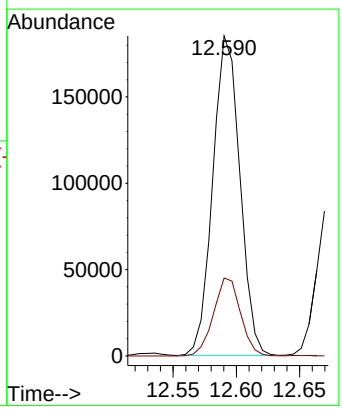
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

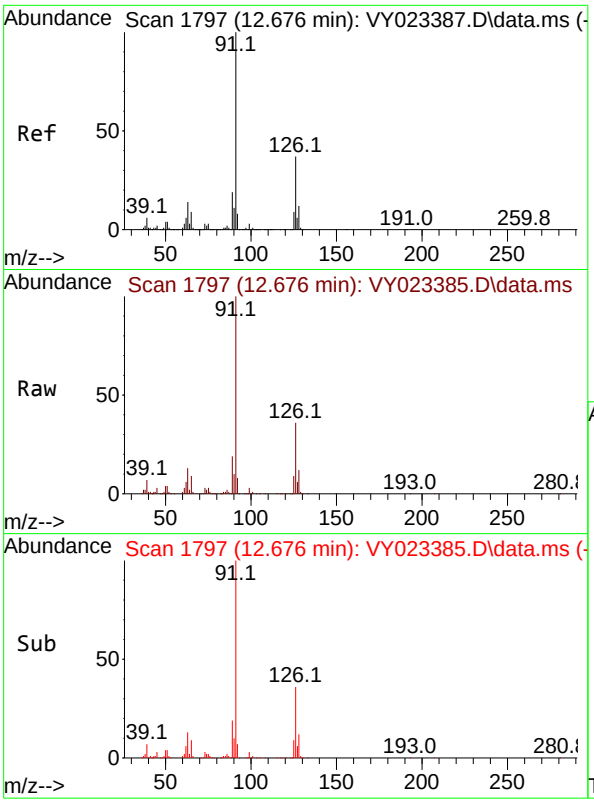


#78
n-propylbenzene
Concen: 9.384 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 91 Resp: 275671

Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.8

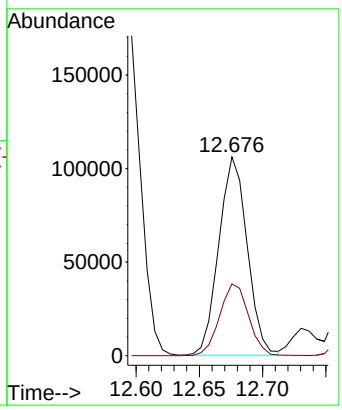




#79
2-Chlorotoluene
Concen: 9.762 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 91 Resp: 16558

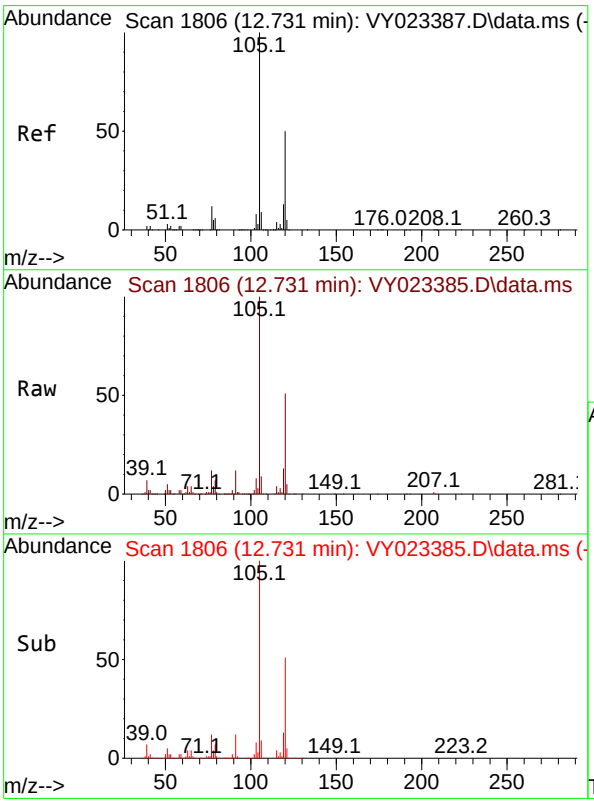
Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

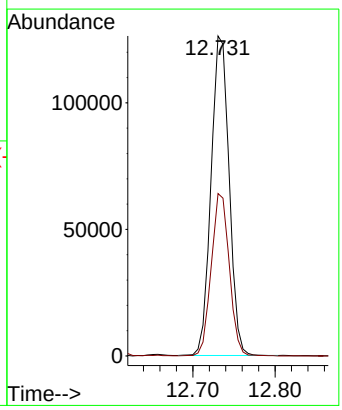
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

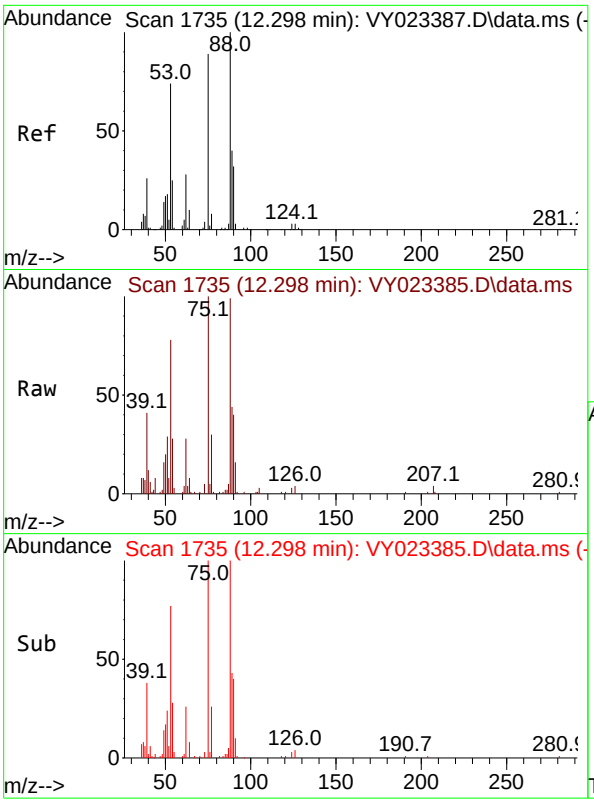


#80
1,3,5-Trimethylbenzene
Concen: 9.445 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:105 Resp: 191799

Ion	Ratio	Lower	Upper
105	100		
120	50.9	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 9.556 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

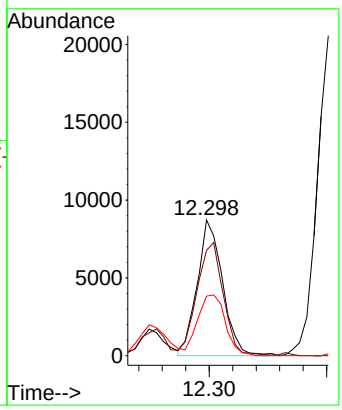
Tgt Ion: 75 Resp: 1311

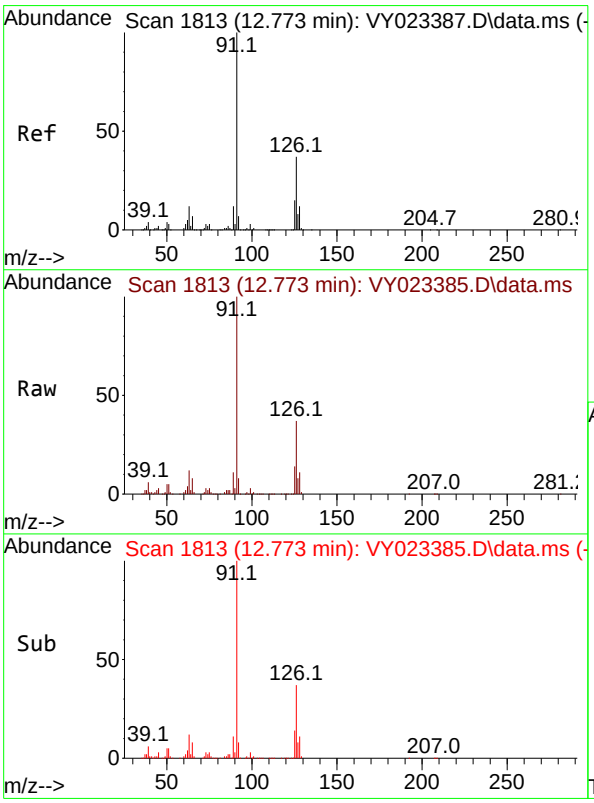
Ion	Ratio	Lower	Upper
75	100		
53	84.6	68.6	102.8
89	48.5	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

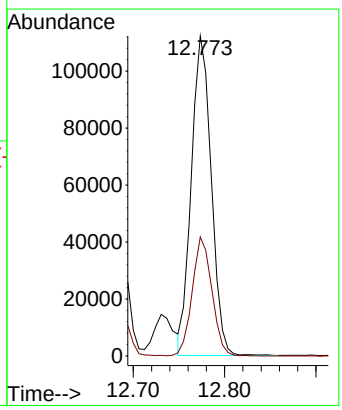


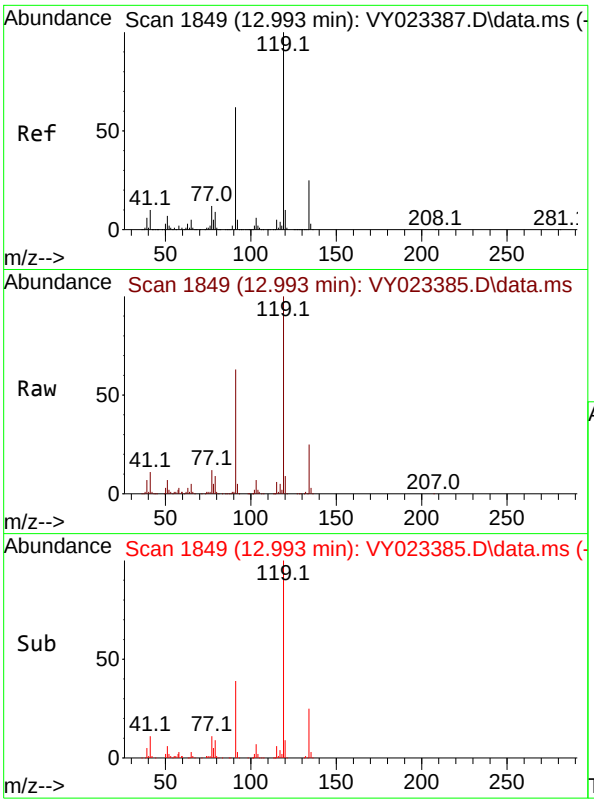


#82
4-Chlorotoluene
Concen: 9.595 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 91 Resp: 169968

Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.4	55.4





#83
tert-Butylbenzene
Concen: 9.579 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

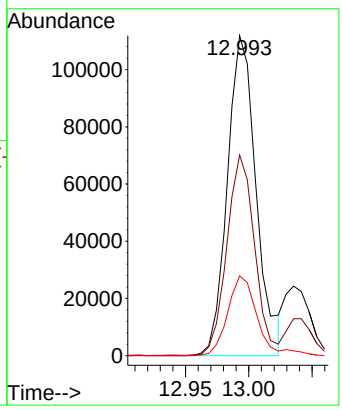
Tgt Ion:119 Resp: 17725

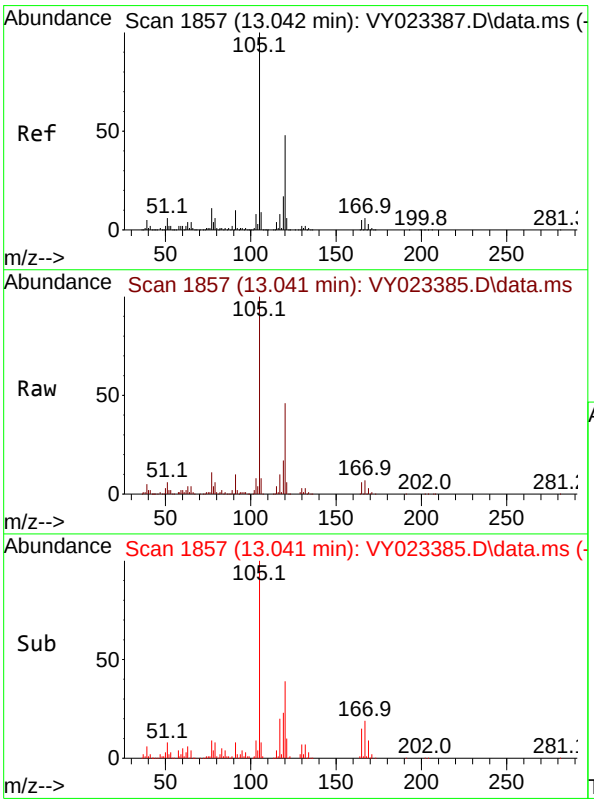
Ion	Ratio	Lower	Upper
119	100		
91	60.5	29.9	89.8
134	25.6	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

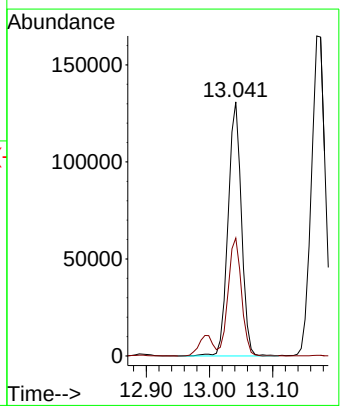


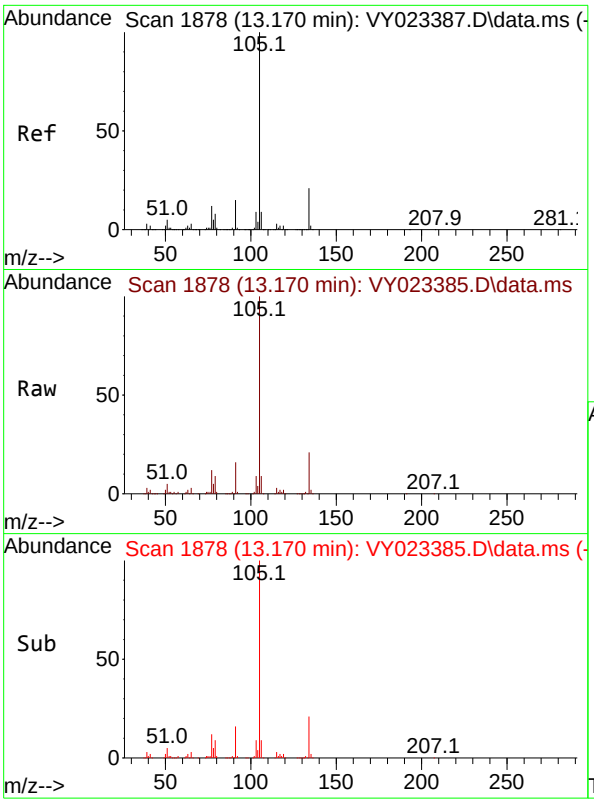


#84
1,2,4-Trimethylbenzene
Concen: 9.528 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:105 Resp: 191423

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.8	71.2





#85
sec-Butylbenzene
Concen: 9.483 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

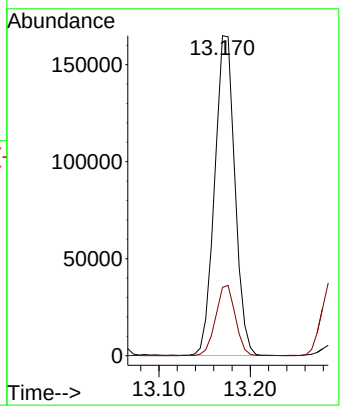
Tgt Ion:105 Resp: 25413

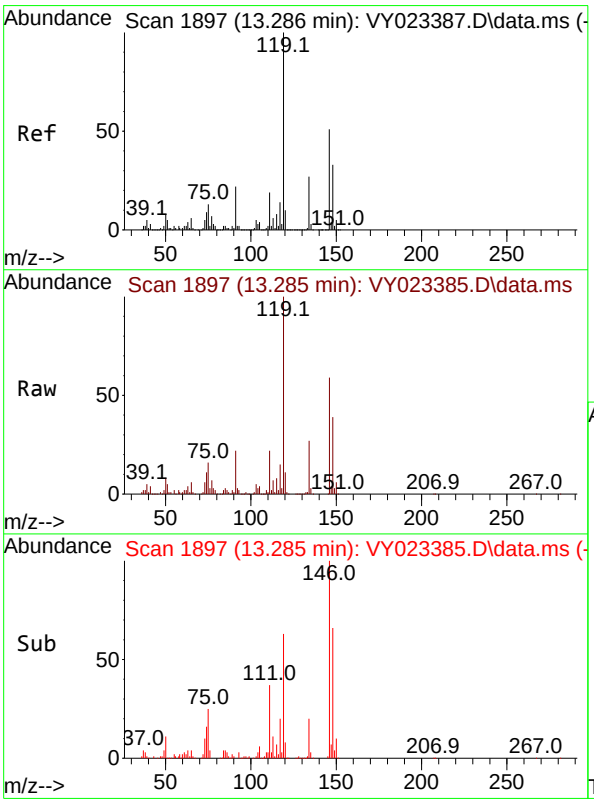
Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	32.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

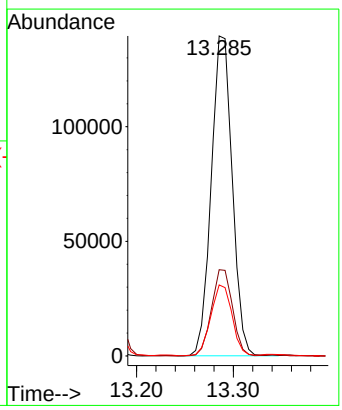


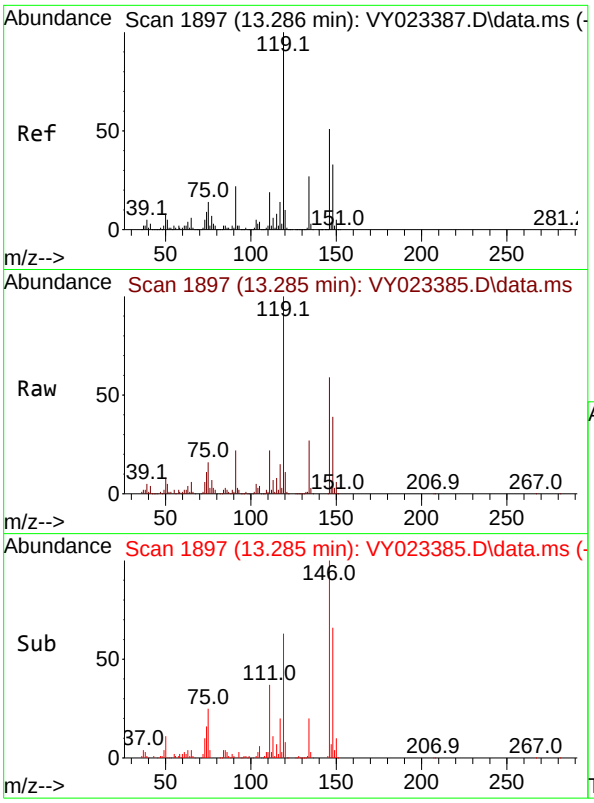


#86
p-Isopropyltoluene
Concen: 9.287 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:119 Resp: 210320

Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.7
91	22.3	10.9	32.9

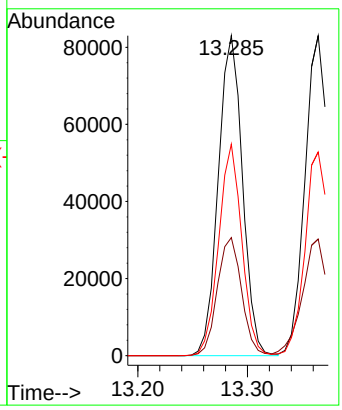




#87
1,3-Dichlorobenzene
Concen: 10.058 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:146 Resp: 12737

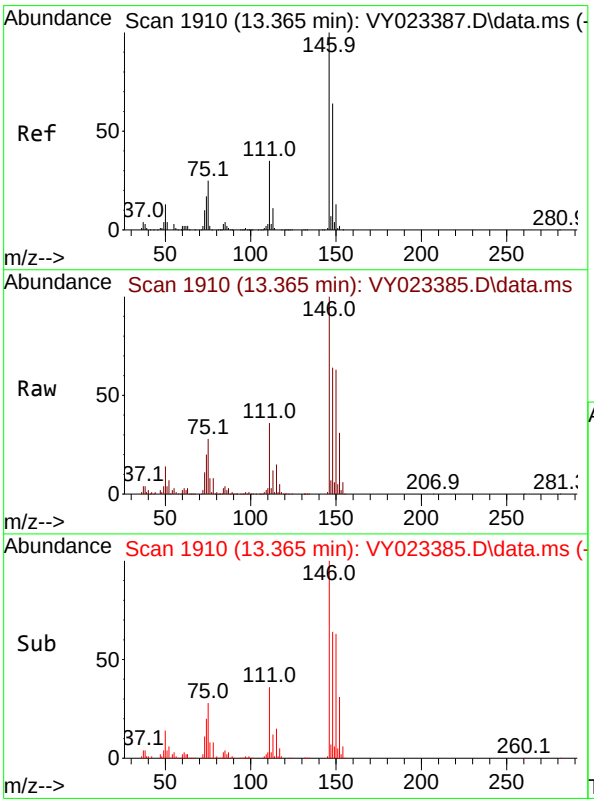
Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	63.2	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

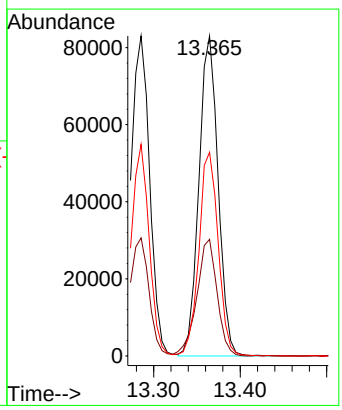
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

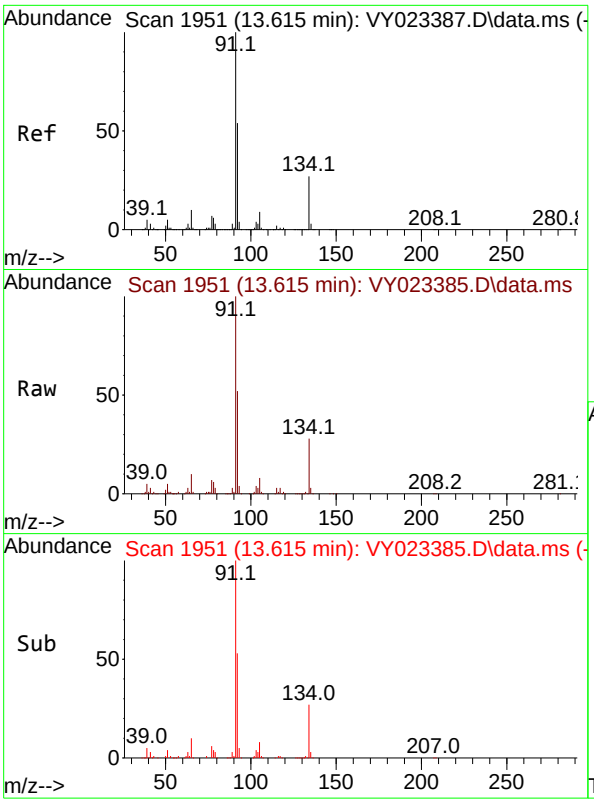


#88
1,4-Dichlorobenzene
Concen: 10.172 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:146 Resp: 127757

Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.0	54.0
148	64.2	31.9	95.7

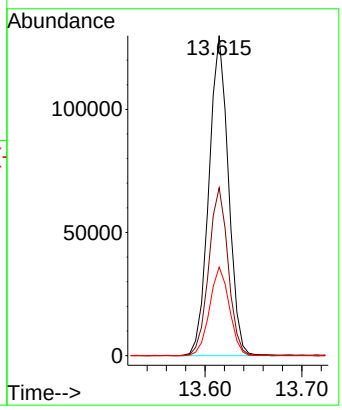




#89
n-Butylbenzene
Concen: 9.107 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 91 Resp: 18211

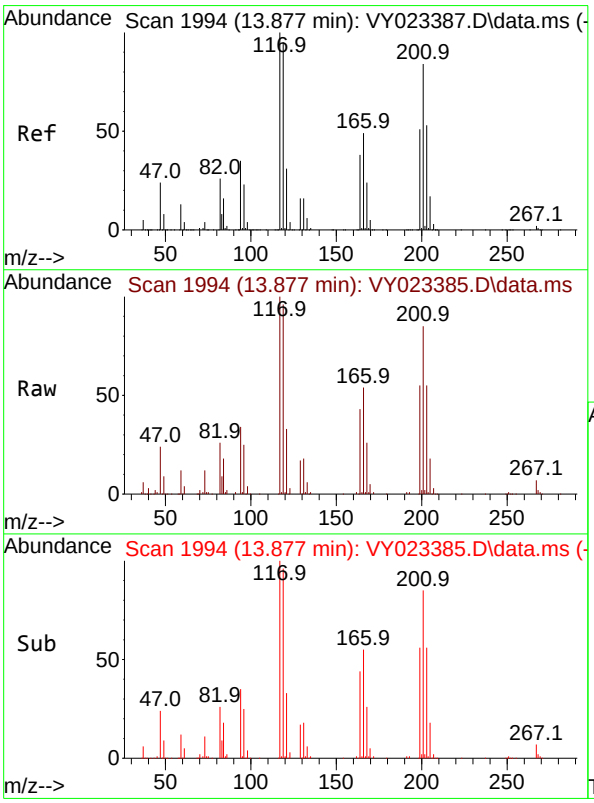
Ion	Ratio	Lower	Upper
91	100		
92	52.2	27.0	80.8
134	28.0	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

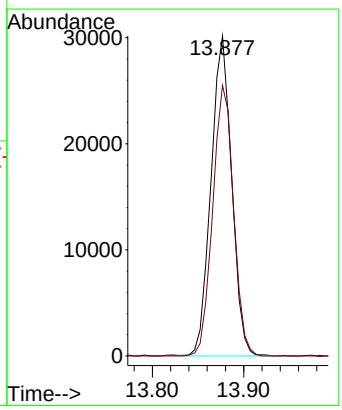
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

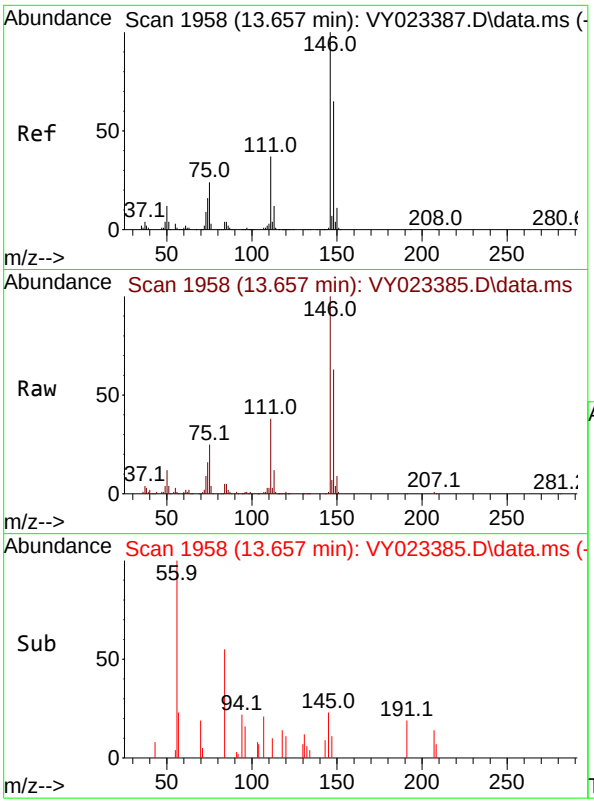


#90
Hexachloroethane
Concen: 9.630 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:117 Resp: 47355

Ion	Ratio	Lower	Upper
117	100		
201	85.0	43.8	131.4

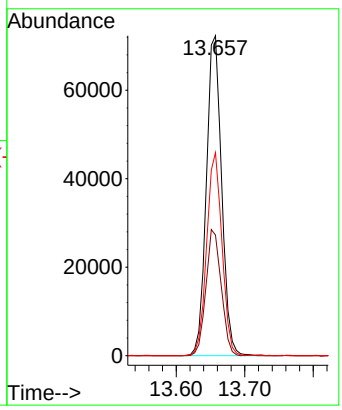




#91
1,2-Dichlorobenzene
Concen: 10.165 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:146 Resp: 11232

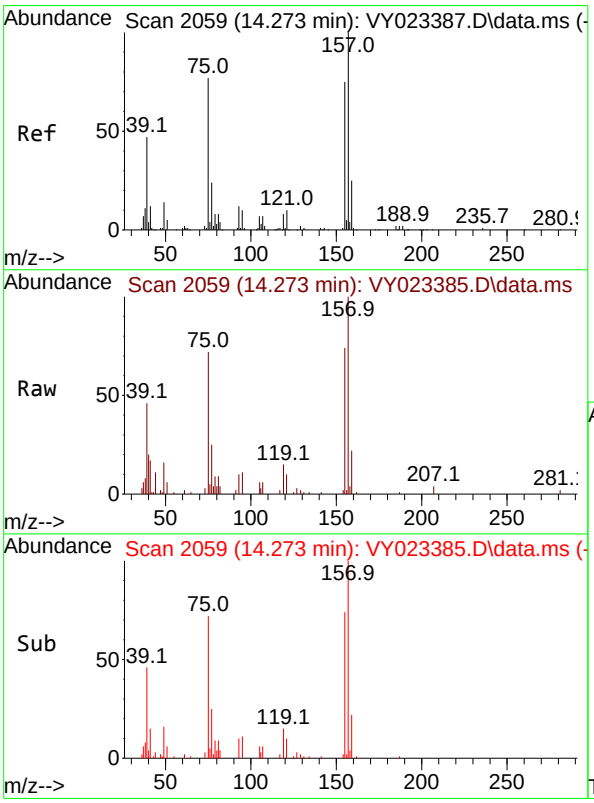
Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.0	57.0
148	63.4	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

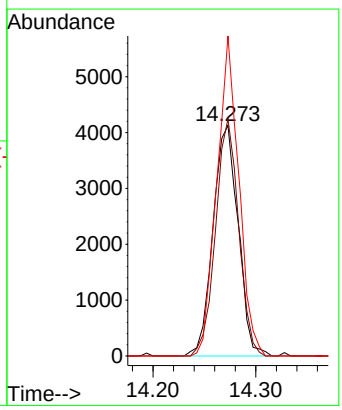
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

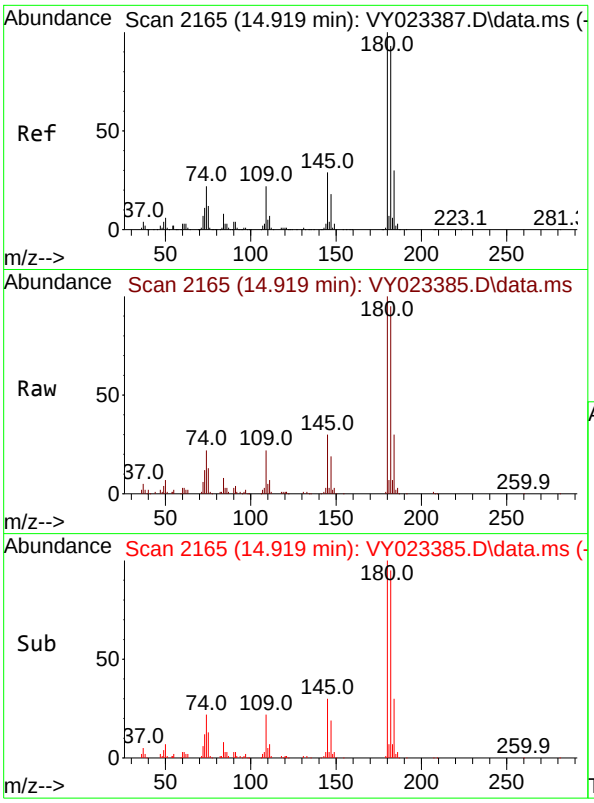


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.608 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 7005

Ion	Ratio	Lower	Upper
75	100		
155	94.2	50.0	150.0
157	121.7	63.8	191.5

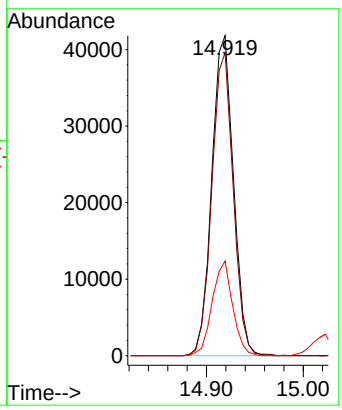




#93
1,2,4-Trichlorobenzene
Concen: 9.992 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:180 Resp: 6505

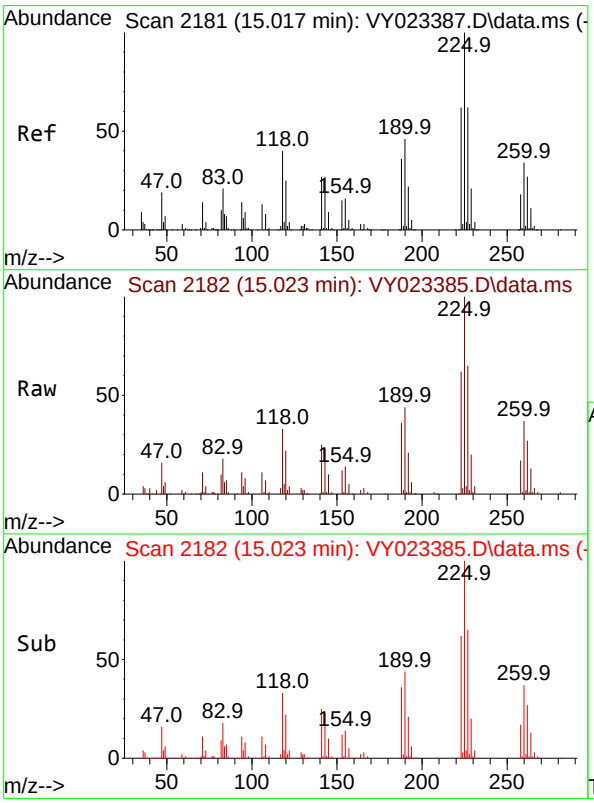
Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.6
145	27.9	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

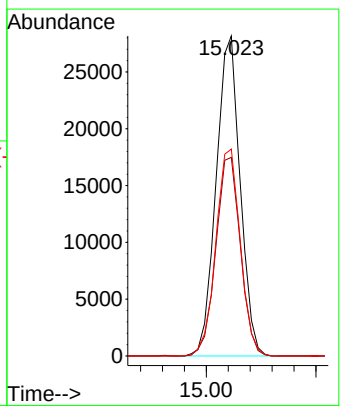
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

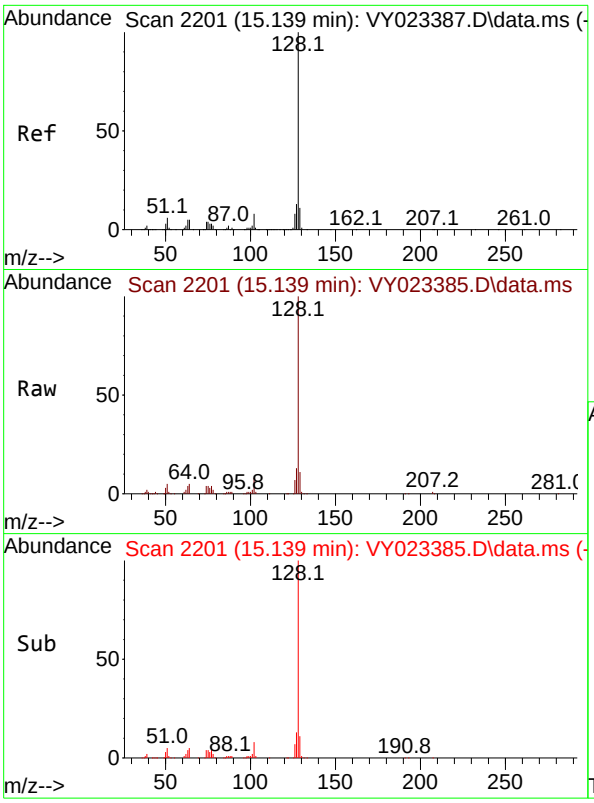


#94
Hexachlorobutadiene
Concen: 10.554 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:225 Resp: 42813

Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.8	92.3
227	66.0	31.9	95.7

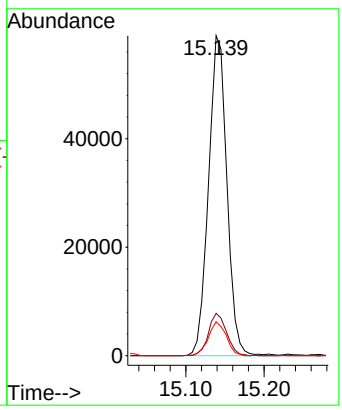




#95
Naphthalene
Concen: 9.264 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:128 Resp: 9609

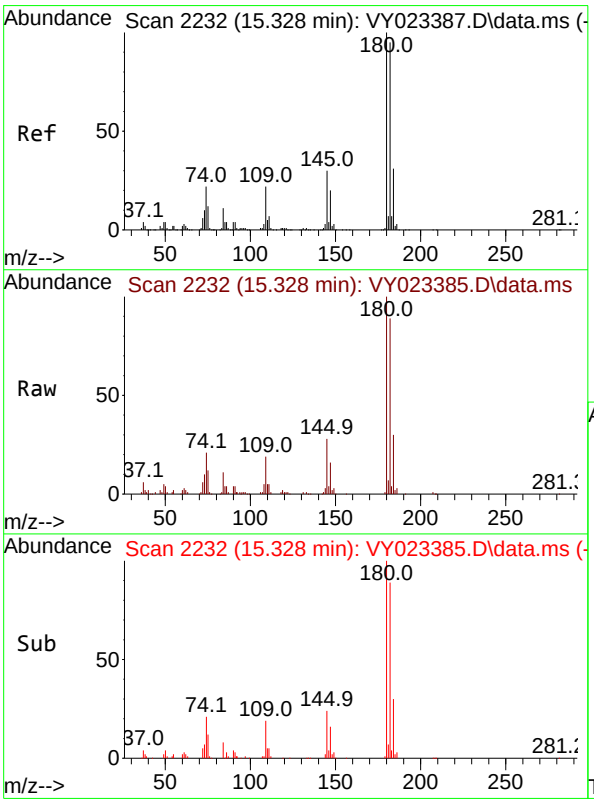
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.4	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

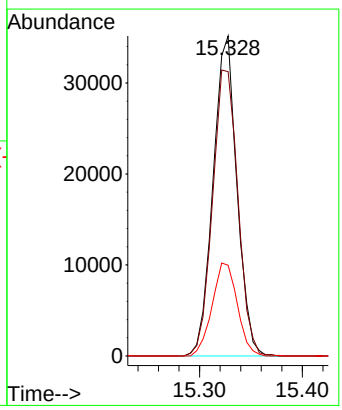
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 10.004 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:180 Resp: 56499

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.8
145	30.8	15.3	45.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	574363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	851961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	746872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	382604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98481	19.798	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.600%#		
35) Dibromofluoromethane	7.634	113	108034	20.895	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.800%#		
50) Toluene-d8	10.103	98	401067	20.568	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	41.140%#		
62) 4-Bromofluorobenzene	12.401	95	127216	20.680	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	41.360%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	91924	20.318	ug/l	98
3) Chloromethane	2.074	50	117585	18.284	ug/l	100
4) Vinyl Chloride	2.202	62	151460	18.652	ug/l	99
5) Bromomethane	2.586	94	125948	18.907	ug/l	97
6) Chloroethane	2.732	64	103973	18.859	ug/l	94
7) Trichlorofluoromethane	3.049	101	217452	20.846	ug/l	99
8) Diethyl Ether	3.452	74	54124	19.837	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	109936	19.718	ug/l	99
10) Methyl Iodide	4.007	142	119083	18.482	ug/l	99
11) Tert butyl alcohol	4.854	59	34346	117.345	ug/l	98
12) 1,1-Dichloroethene	3.787	96	104778	19.531	ug/l	98
13) Acrolein	3.653	56	48115	97.023	ug/l	98
14) Allyl chloride	4.384	41	125424	18.674	ug/l	98
15) Acrylonitrile	5.055	53	99018	92.641	ug/l	100
16) Acetone	3.866	43	108209	96.742	ug/l	96
17) Carbon Disulfide	4.104	76	303284	18.121	ug/l	99
18) Methyl Acetate	4.384	43	59704	21.002	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	247030	19.667	ug/l	97
20) Methylene Chloride	4.616	84	132229	21.801	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	116410	19.512	ug/l	95
22) Diisopropyl ether	6.018	45	288429	19.366	ug/l	98
23) Vinyl Acetate	5.957	43	748048	91.373	ug/l	99
24) 1,1-Dichloroethane	5.915	63	190012	19.354	ug/l	99
25) 2-Butanone	6.896	43	132159	95.593	ug/l	93
26) 2,2-Dichloropropane	6.884	77	167903	19.247	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	133634	19.747	ug/l	99
28) Bromochloromethane	7.244	49	73407	19.273	ug/l	98
29) Tetrahydrofuran	7.262	42	76502	93.229	ug/l	99
30) Chloroform	7.421	83	207096	19.562	ug/l	100
31) Cyclohexane	7.701	56	160159	18.472	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	188861	19.873	ug/l	100
36) 1,1-Dichloropropene	7.835	75	140912	19.317	ug/l	100
37) Ethyl Acetate	6.982	43	55705	19.315	ug/l	98
38) Carbon Tetrachloride	7.817	117	171925	20.289	ug/l	99
39) Methylcyclohexane	9.109	83	182831	19.576	ug/l	99
40) Benzene	8.079	78	450471	19.809	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	31129m	20.783	ug/l		
42) 1,2-Dichloroethane	8.158	62	116941	20.206	ug/l		99
43) Isopropyl Acetate	8.195	43	106595	19.002	ug/l	#	87
44) Trichloroethene	8.865	130	131459	20.598	ug/l		98
45) 1,2-Dichloropropane	9.140	63	99363	19.417	ug/l		98
46) Dibromomethane	9.231	93	62277	19.896	ug/l		98
47) Bromodichloromethane	9.420	83	156426	19.854	ug/l		98
48) Methyl methacrylate	9.219	41	50661	19.352	ug/l		99
49) 1,4-Dioxane	9.225	88	13636	420.712	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	274059	95.378	ug/l		100
52) Toluene	10.170	92	291453	20.191	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	132848	19.632	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	158580	19.606	ug/l		95
55) 1,1,2-Trichloroethane	10.572	97	82183	19.740	ug/l		96
56) Ethyl methacrylate	10.438	69	89244	18.613	ug/l		99
57) 1,3-Dichloropropane	10.719	76	130650	19.389	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	190850m	90.982	ug/l		
59) 2-Hexanone	10.761	43	187387	94.190	ug/l		99
60) Dibromochloromethane	10.908	129	115907	20.412	ug/l		100
61) 1,2-Dibromoethane	11.011	107	78579	20.062	ug/l		100
64) Tetrachloroethene	10.646	164	167648	22.438	ug/l		97
65) Chlorobenzene	11.438	112	326360	20.109	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	116412	20.396	ug/l		99
67) Ethyl Benzene	11.517	91	523606	19.768	ug/l		99
68) m/p-Xylenes	11.627	106	426913	40.211	ug/l		100
69) o-Xylene	11.956	106	195021	19.843	ug/l		96
70) Styrene	11.968	104	327934	20.208	ug/l		99
71) Bromoform	12.133	173	71119	20.814	ug/l	#	99
73) Isopropylbenzene	12.255	105	513183	20.136	ug/l		99
74) N-amyl acetate	12.072	43	85063	17.860	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	76821	18.069	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	74100m	19.634	ug/l		
77) Bromobenzene	12.529	156	135402	20.700	ug/l		98
78) n-propylbenzene	12.596	91	597829	19.945	ug/l		100
79) 2-Chlorotoluene	12.676	91	349203	20.179	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	418684	20.208	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	26922	19.234	ug/l		98
82) 4-Chlorotoluene	12.773	91	361458	20.000	ug/l		99
83) tert-Butylbenzene	12.993	119	377277	19.983	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	413292	20.162	ug/l		100
85) sec-Butylbenzene	13.176	105	546582	19.990	ug/l		100
86) p-Isopropyltoluene	13.291	119	464005	20.081	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	262901	20.347	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	259217	20.230	ug/l		99
89) n-Butylbenzene	13.615	91	401893	19.697	ug/l		98
90) Hexachloroethane	13.877	117	98983	19.730	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	231199	20.507	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12668	18.802	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	137963	20.770	ug/l		99
94) Hexachlorobutadiene	15.023	225	87575	21.159	ug/l		99
95) Naphthalene	15.145	128	206017	19.467	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	121656	21.113	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

ICAL Form

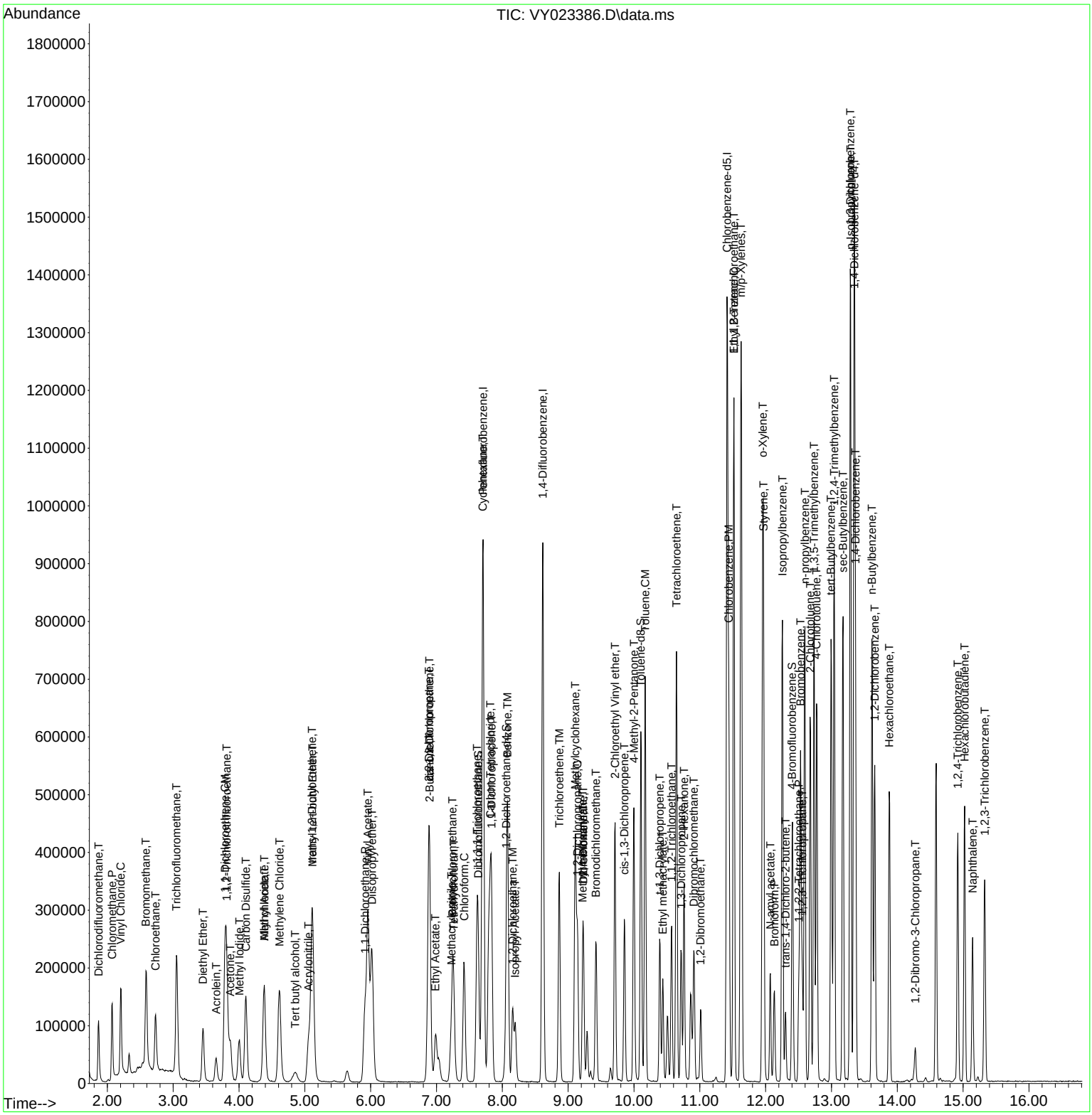
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Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

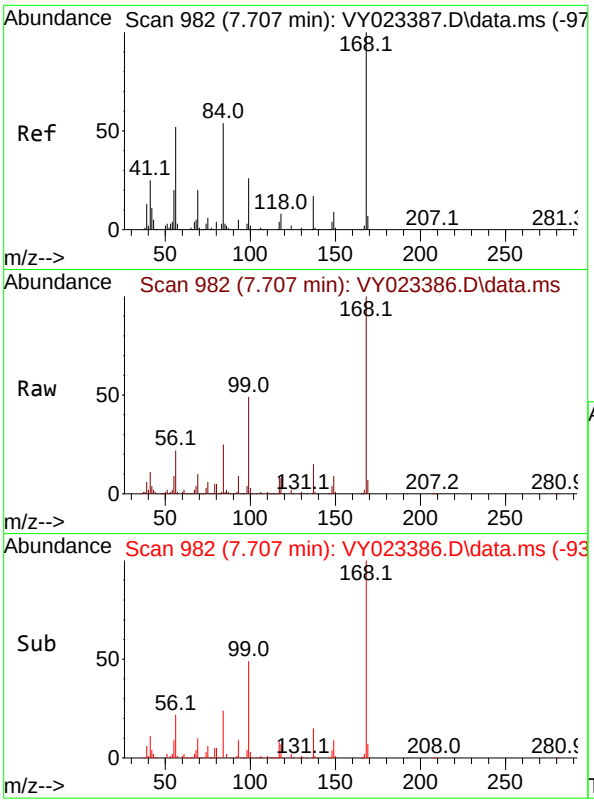
Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

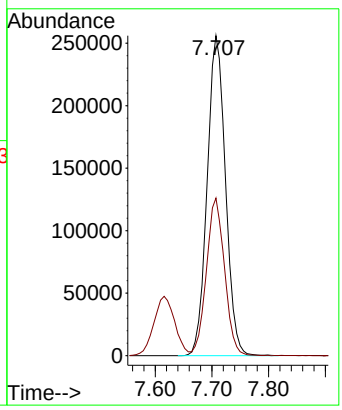




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:168 Resp: 57436

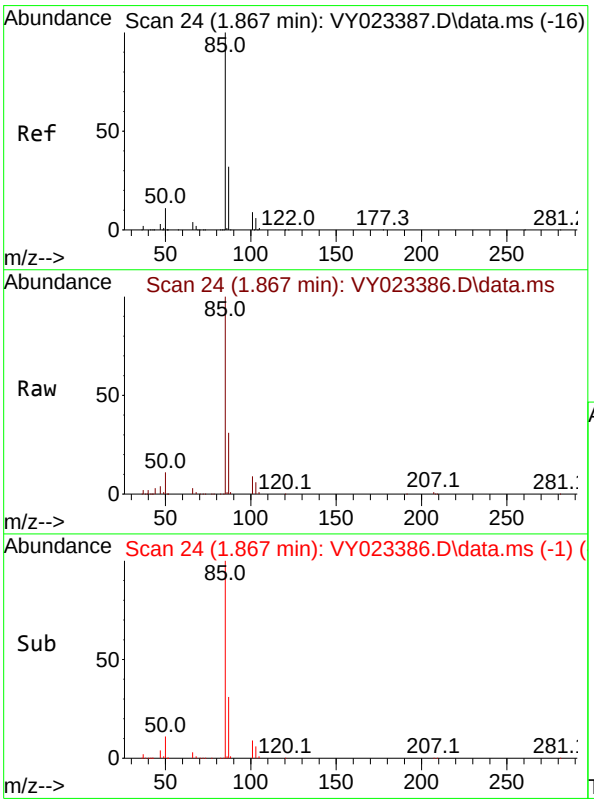
Ion	Ratio	Lower	Upper
168	100		
99	49.2	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

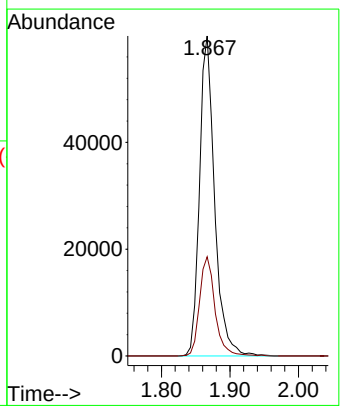
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

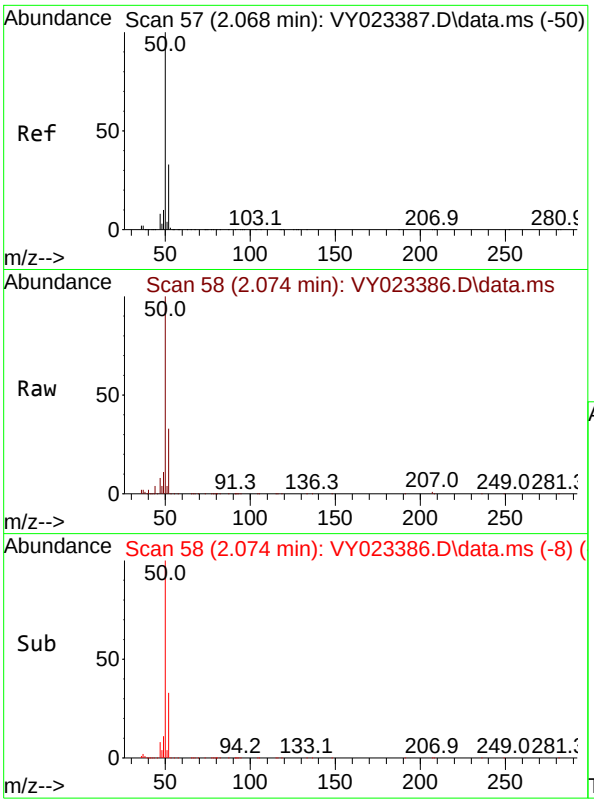


#2
Dichlorodifluoromethane
Concen: 20.318 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 85 Resp: 91924

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.0	47.9

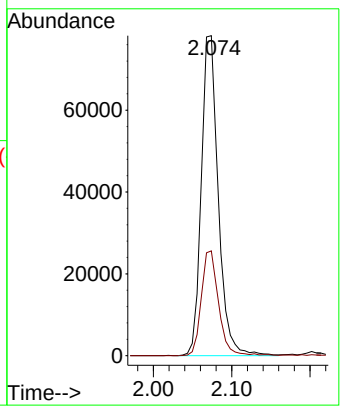




#3
Chloromethane
Concen: 18.284 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 50 Resp: 11758

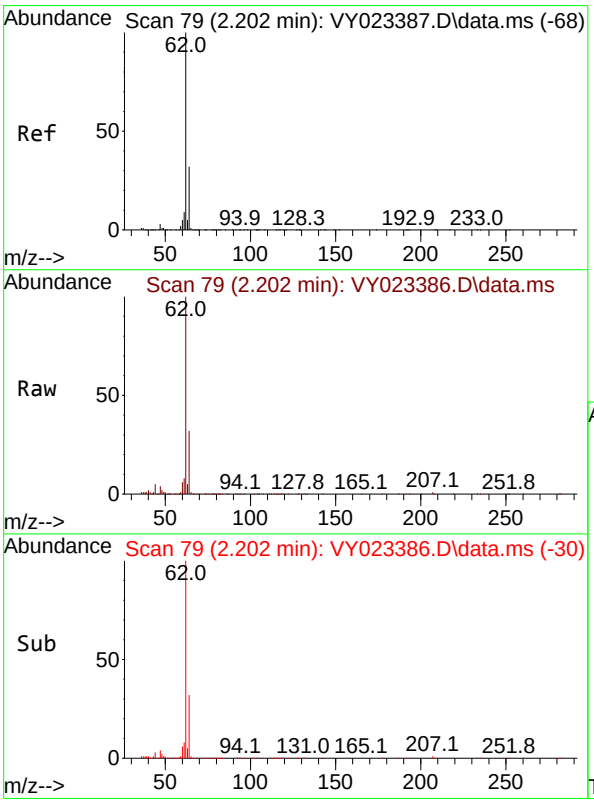
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

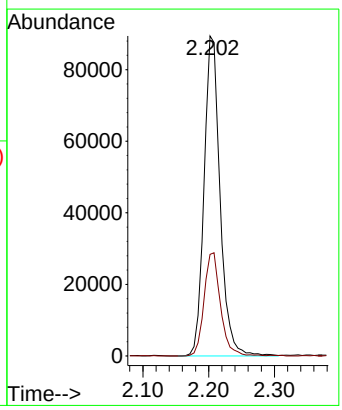
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

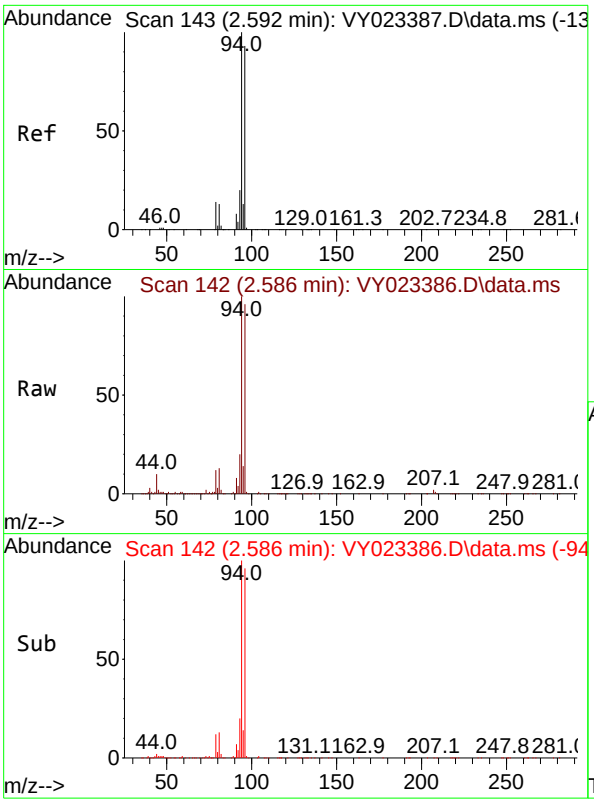


#4
Vinyl Chloride
Concen: 18.652 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 62 Resp: 151460

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.8	38.8

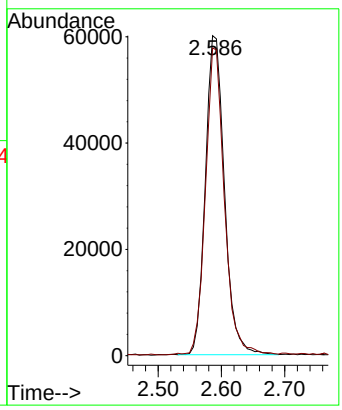




#5
Bromomethane
Concen: 18.907 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 94 Resp: 12594

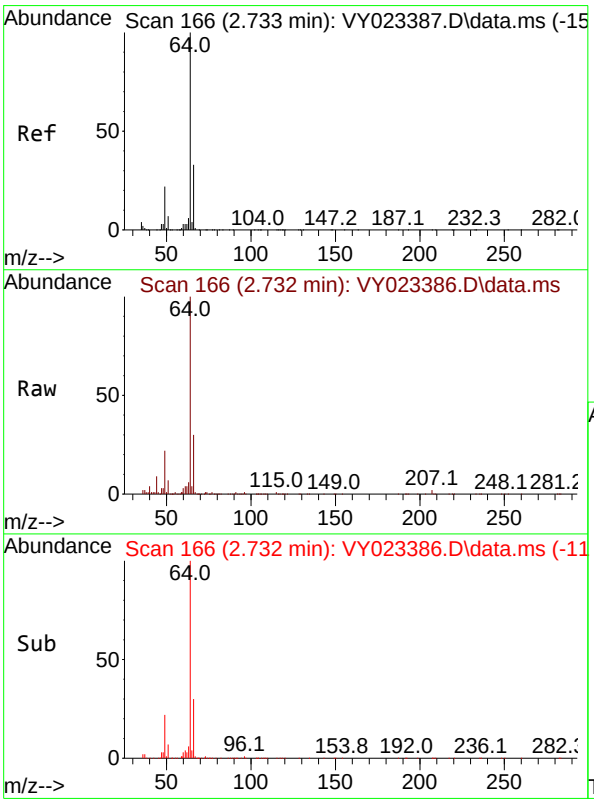
Ion	Ratio	Lower	Upper
94	100		
96	95.9	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

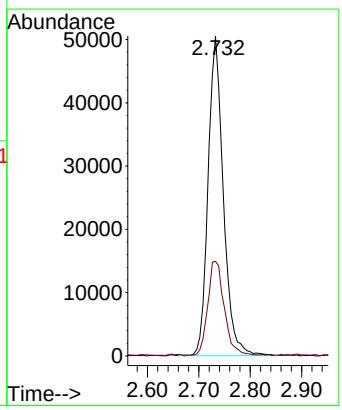
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

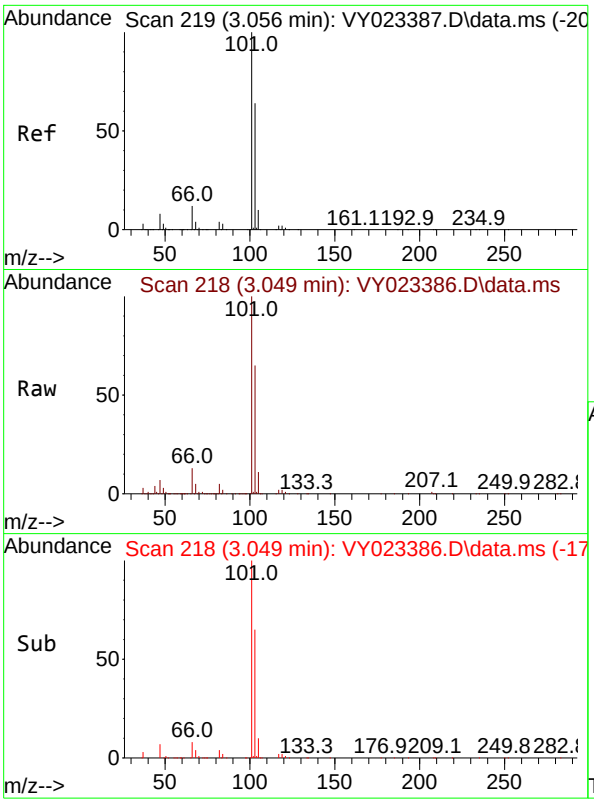


#6
Chloroethane
Concen: 18.859 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 64 Resp: 103973

Ion	Ratio	Lower	Upper
64	100		
66	29.3	26.2	39.4





#7
Trichlorofluoromethane
Concen: 20.846 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

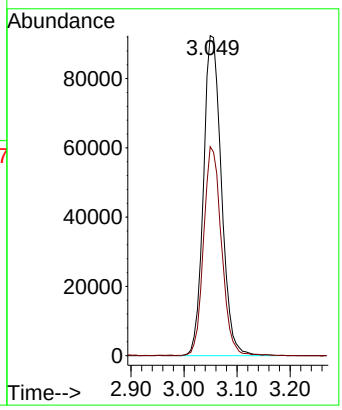
Tgt Ion:101 Resp: 21745

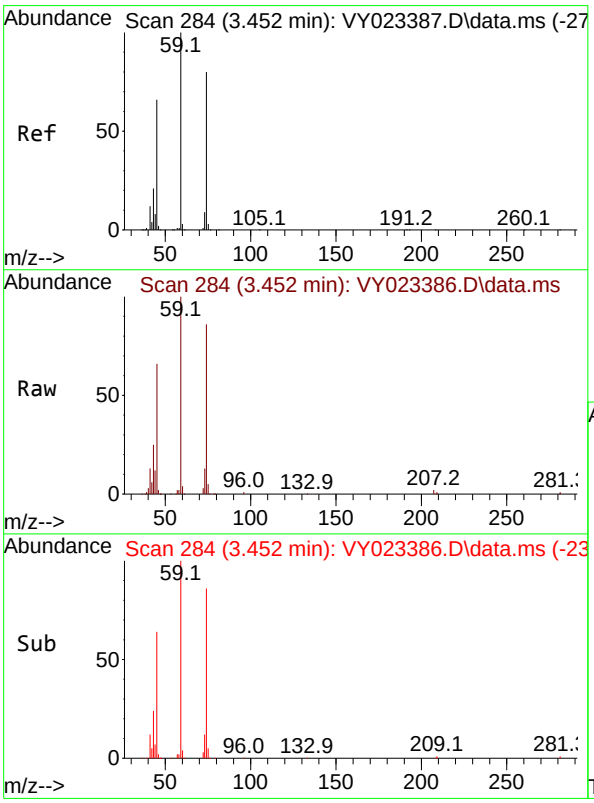
Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

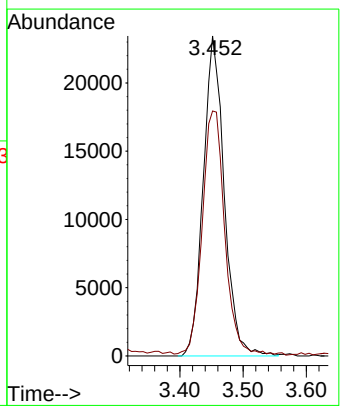


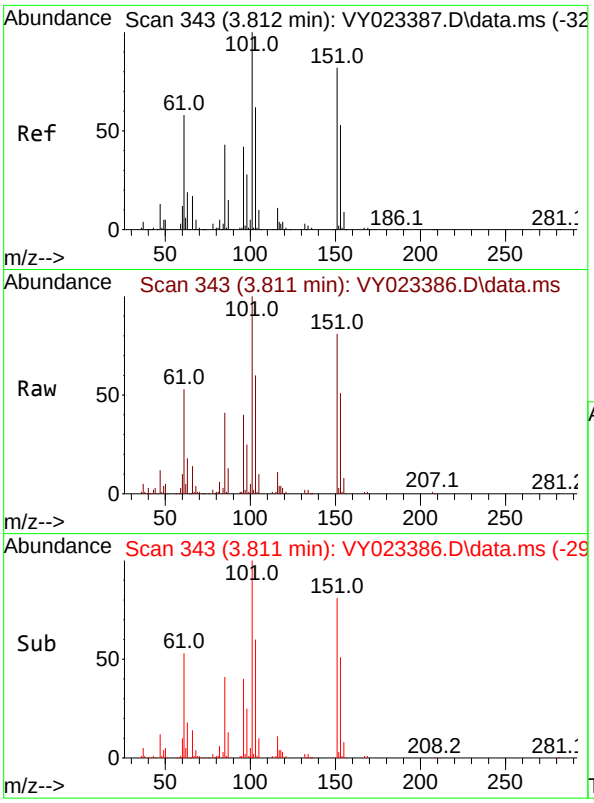


#8
Diethyl Ether
Concen: 19.837 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 74 Resp: 54124

Ion	Ratio	Lower	Upper
74	100		
45	80.6	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.718 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

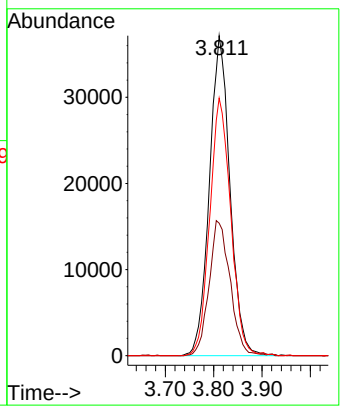
Tgt Ion:101 Resp: 10993

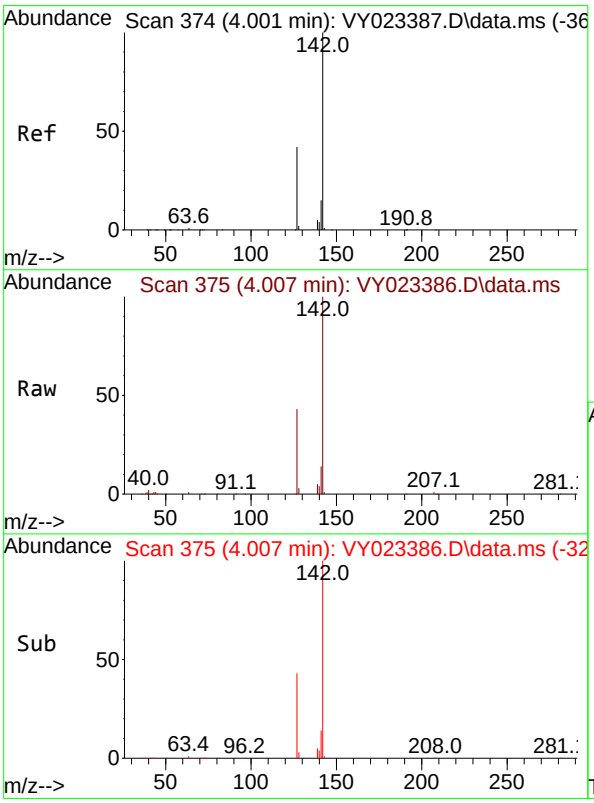
Ion	Ratio	Lower	Upper
101	100		
85	43.1	34.6	51.8
151	82.2	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

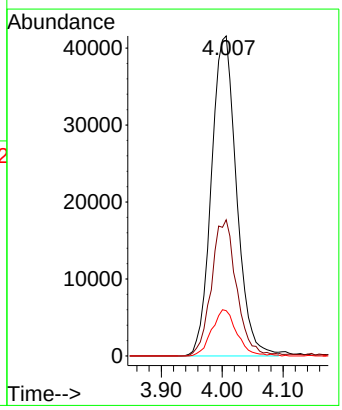


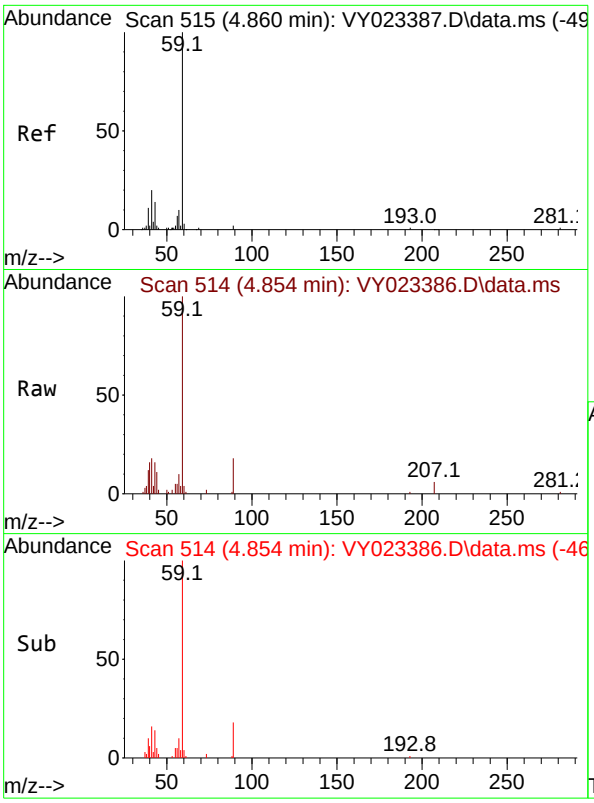


#10
Methyl Iodide
Concen: 18.482 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:142 Resp: 119083

Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.8	52.2
141	14.5	11.6	17.4

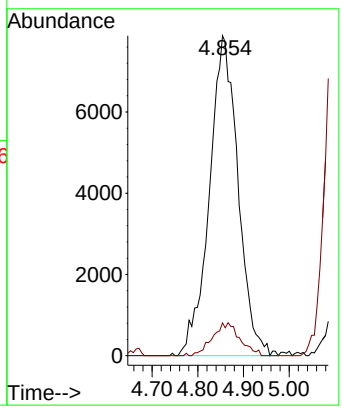




#11
Tert butyl alcohol
Concen: 117.345 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 59 Resp: 3434

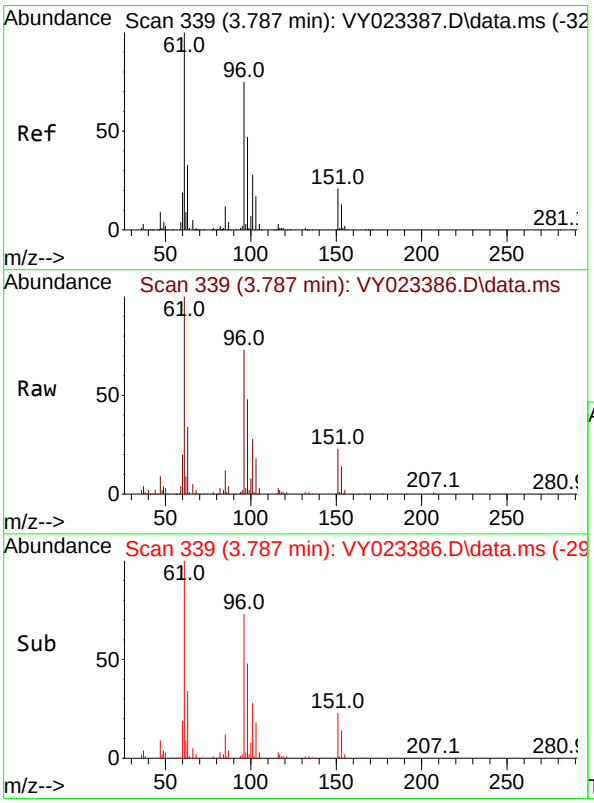
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

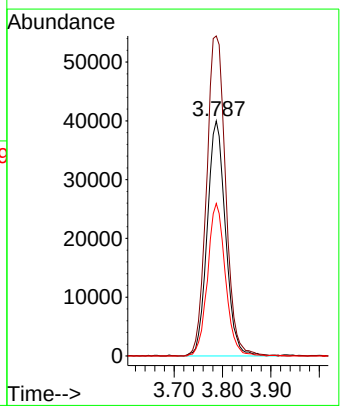
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

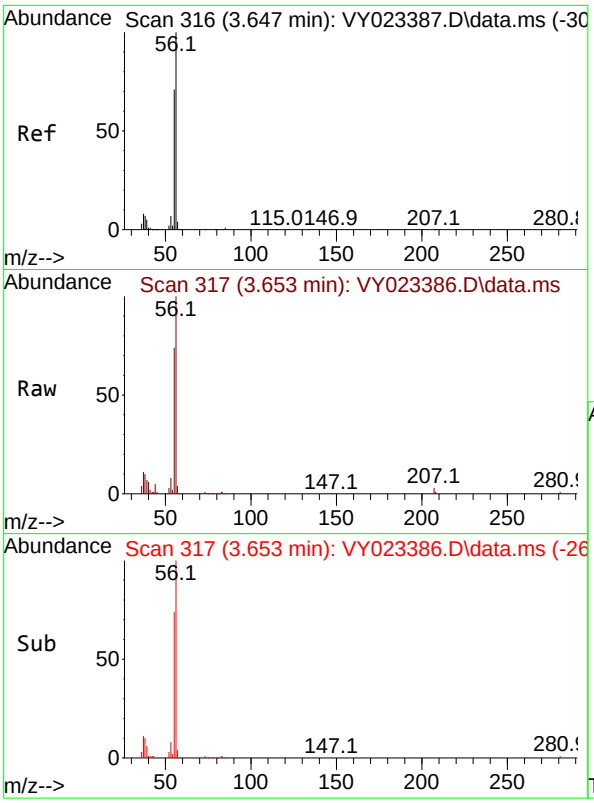


#12
1,1-Dichloroethene
Concen: 19.531 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 96 Resp: 104778

Ion	Ratio	Lower	Upper
96	100		
61	136.2	106.7	160.1
98	64.9	50.2	75.4

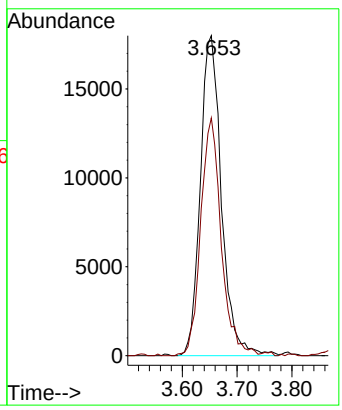




#13
Acrolein
Concen: 97.023 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 56 Resp: 4811

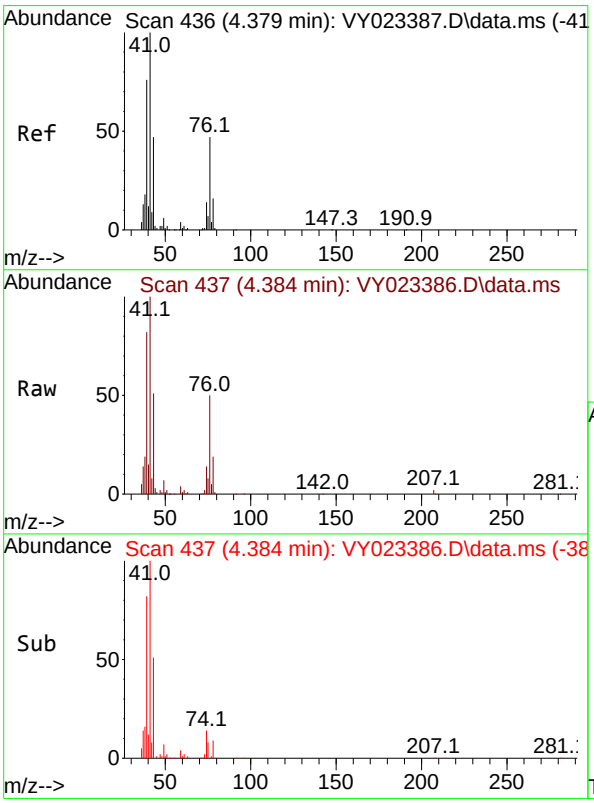
Ion	Ratio	Lower	Upper
56	100		
55	72.0	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

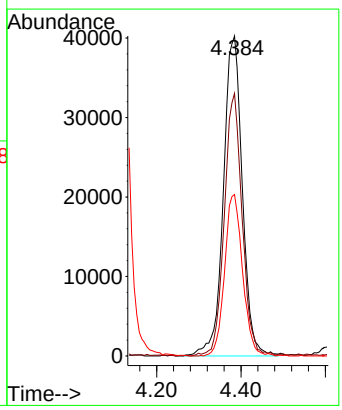
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

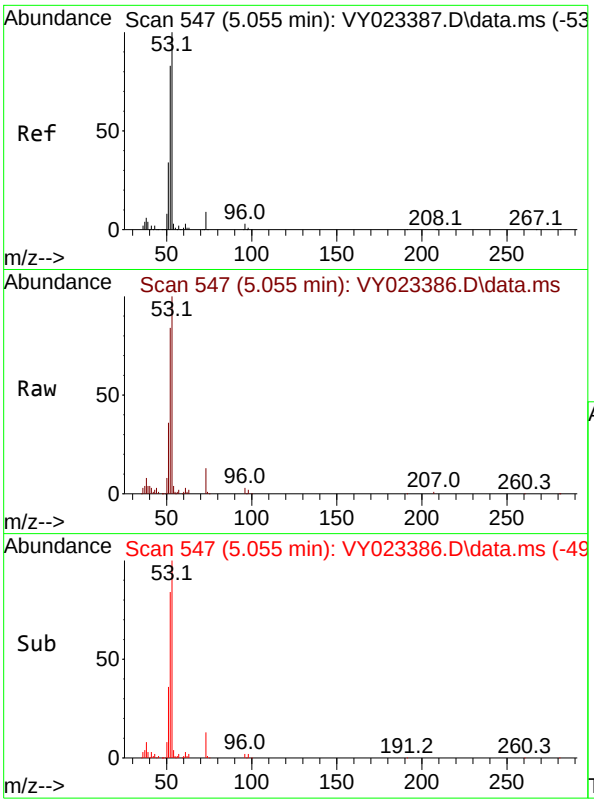


#14
Allyl chloride
Concen: 18.674 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 41 Resp: 125424

Ion	Ratio	Lower	Upper
41	100		
39	77.6	59.9	89.9
76	47.9	38.0	57.0

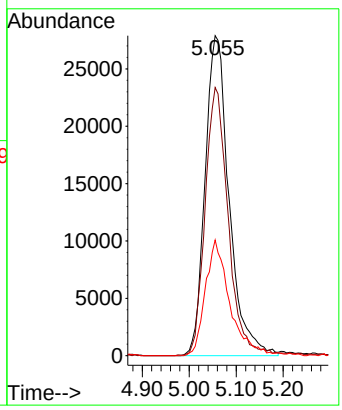




#15
Acrylonitrile
Concen: 92.641 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 53 Resp: 9901

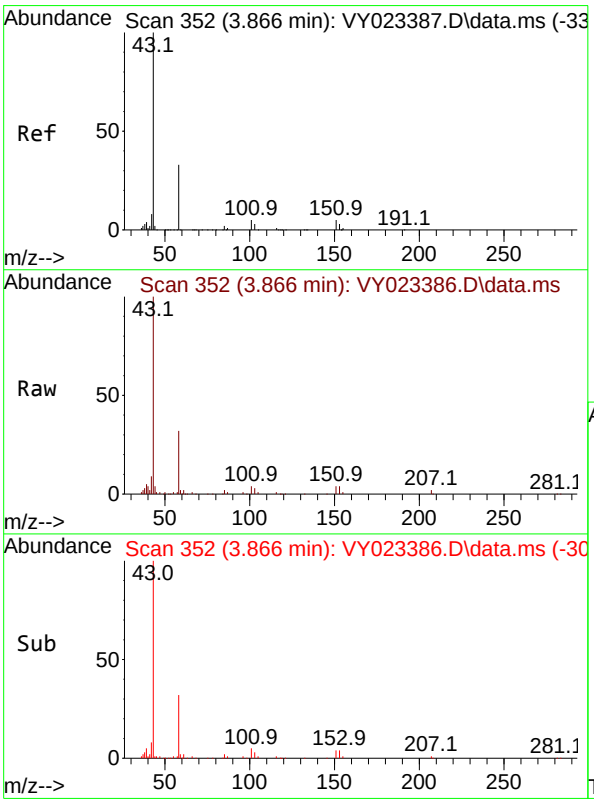
Ion	Ratio	Lower	Upper
53	100		
52	80.7	64.6	97.0
51	36.6	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

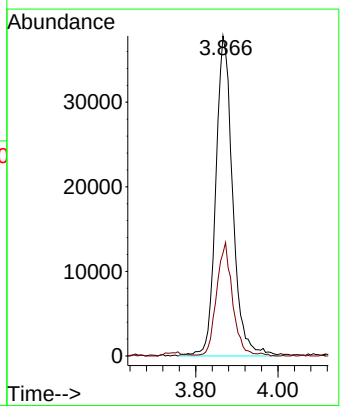
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

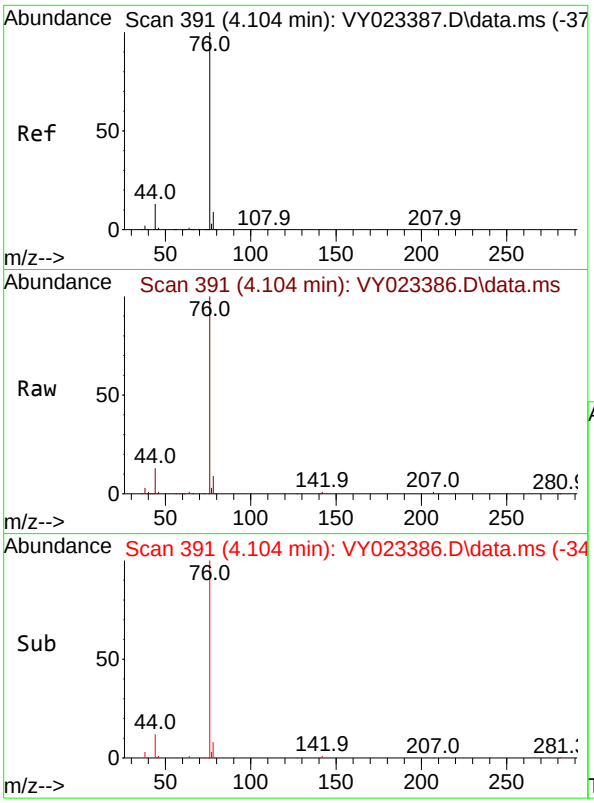


#16
Acetone
Concen: 96.742 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 108209

Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.7	41.5

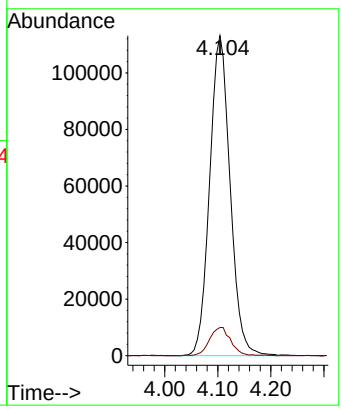




#17
Carbon Disulfide
Concen: 18.121 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 76 Resp: 30328

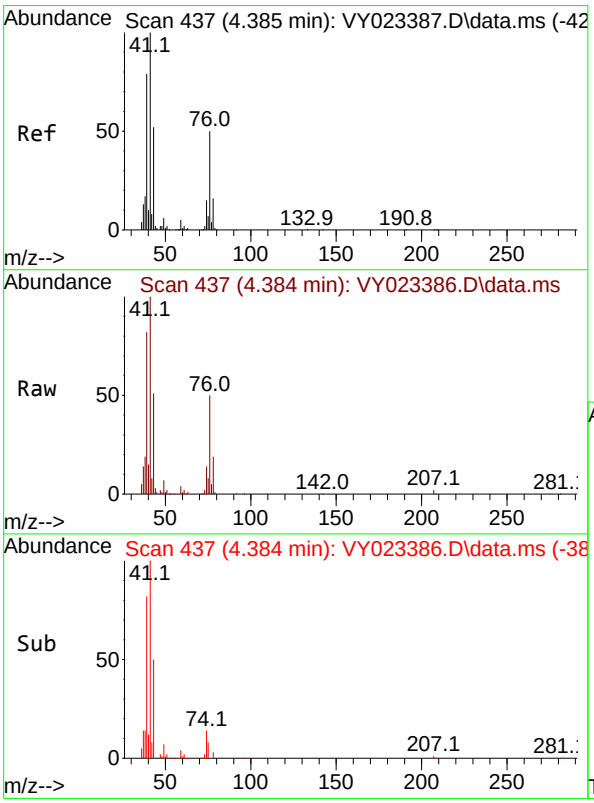
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

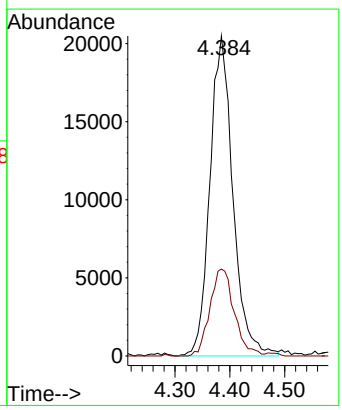
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

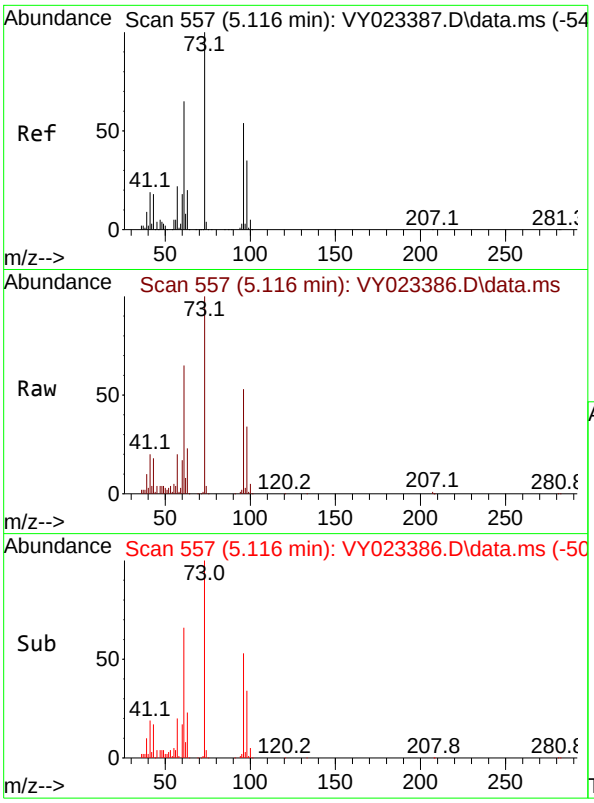


#18
Methyl Acetate
Concen: 21.002 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 59704

Ion	Ratio	Lower	Upper
43	100		
74	28.7	24.2	36.4

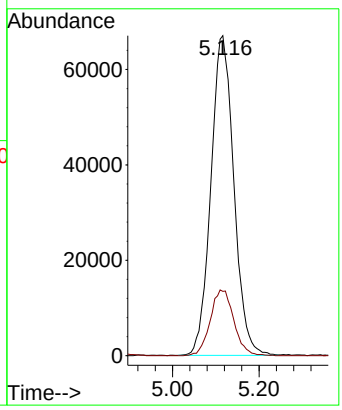




#19
Methyl tert-butyl Ether
Concen: 19.667 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 73 Resp: 24703

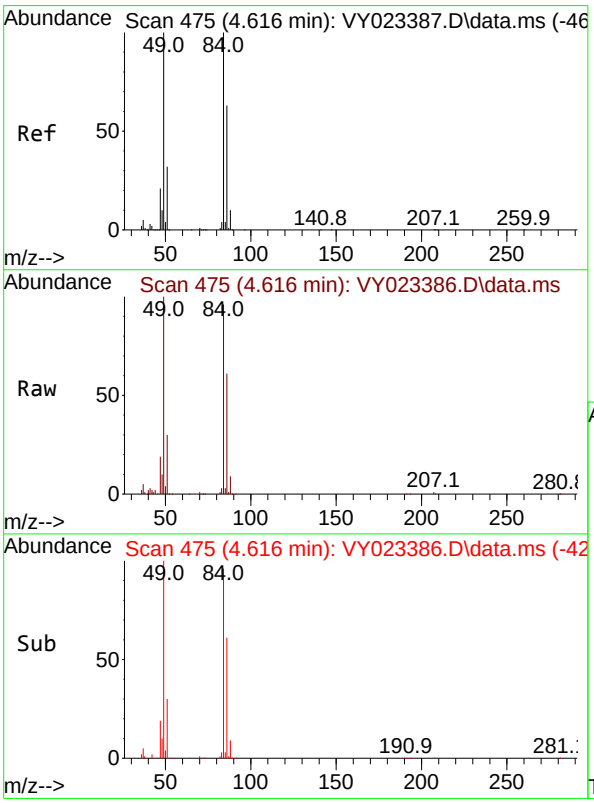
Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

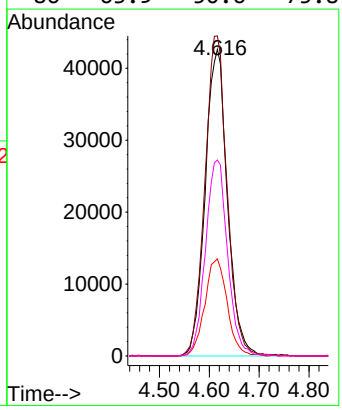
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

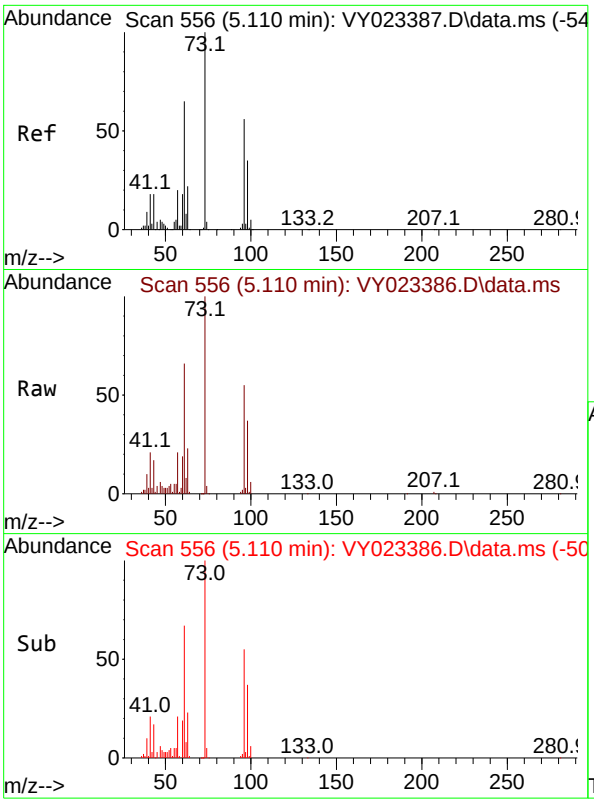


#20
Methylene Chloride
Concen: 21.801 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 84 Resp: 132229

Ion	Ratio	Lower	Upper
84	100		
49	104.2	80.2	120.4
51	31.7	25.9	38.9
86	63.9	50.6	75.8

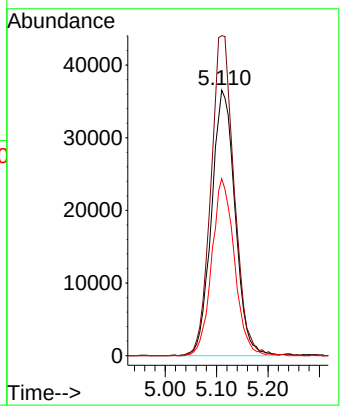




#21
trans-1,2-Dichloroethene
Concen: 19.512 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 96 Resp: 11641

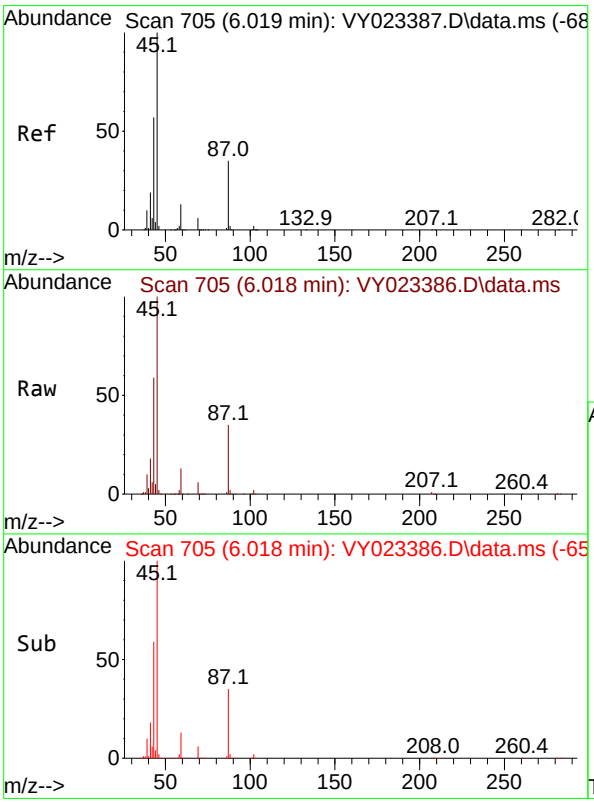
Ion	Ratio	Lower	Upper
96	100		
61	120.5	92.7	139.1
98	66.7	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

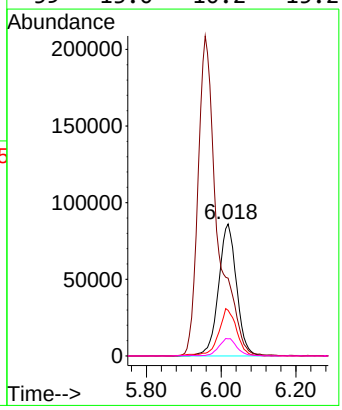
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

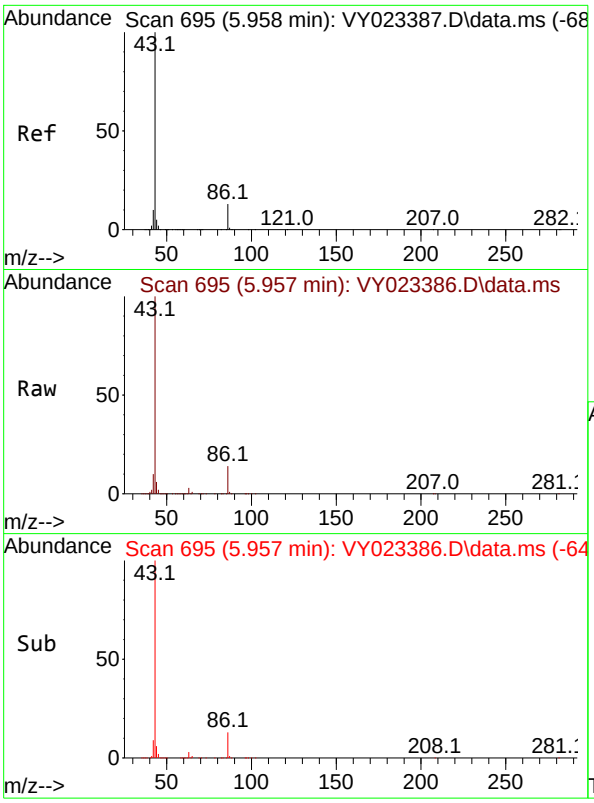


#22
Diisopropyl ether
Concen: 19.366 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 45 Resp: 288429

Ion	Ratio	Lower	Upper
45	100		
43	58.8	45.6	68.4
87	34.5	28.1	42.1
59	13.0	10.2	15.2

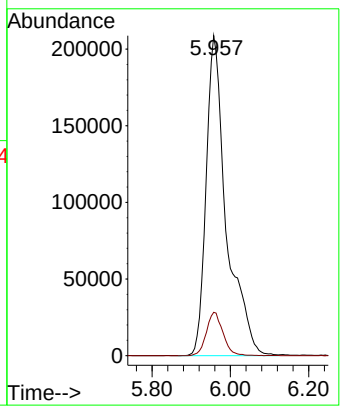




#23
Vinyl Acetate
Concen: 91.373 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 74804

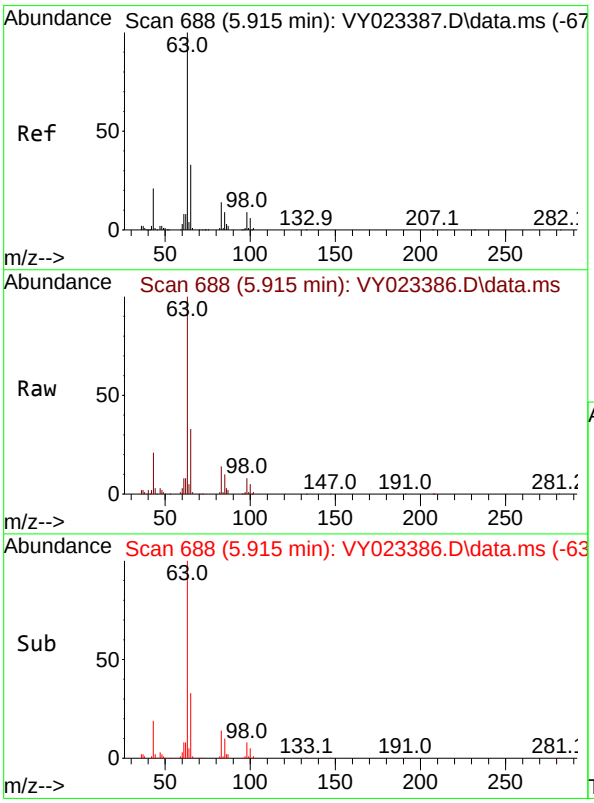
Ion	Ratio	Lower	Upper
43	100		
86	13.5	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

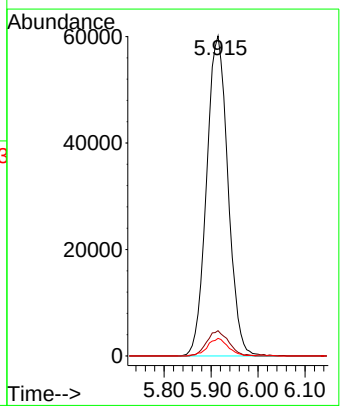
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

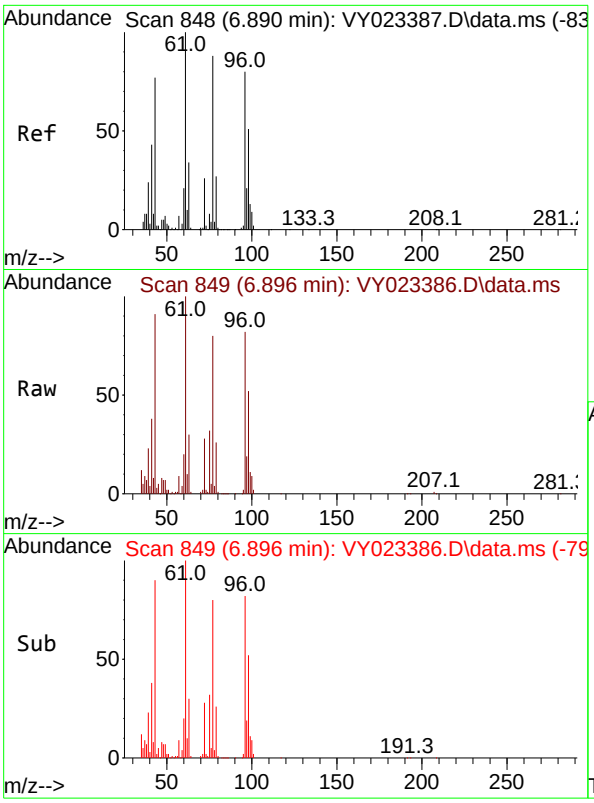


#24
1,1-Dichloroethane
Concen: 19.354 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 63 Resp: 190012

Ion	Ratio	Lower	Upper
63	100		
98	7.9	4.3	13.1
100	5.5	2.8	8.4





#25
2-Butanone
Concen: 95.593 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

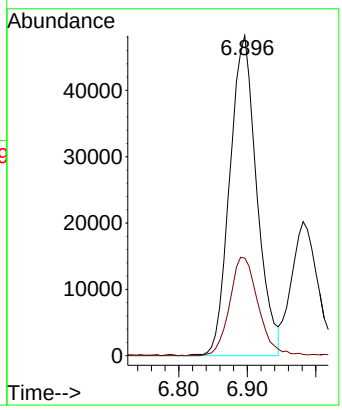
Tgt Ion: 43 Resp: 13215

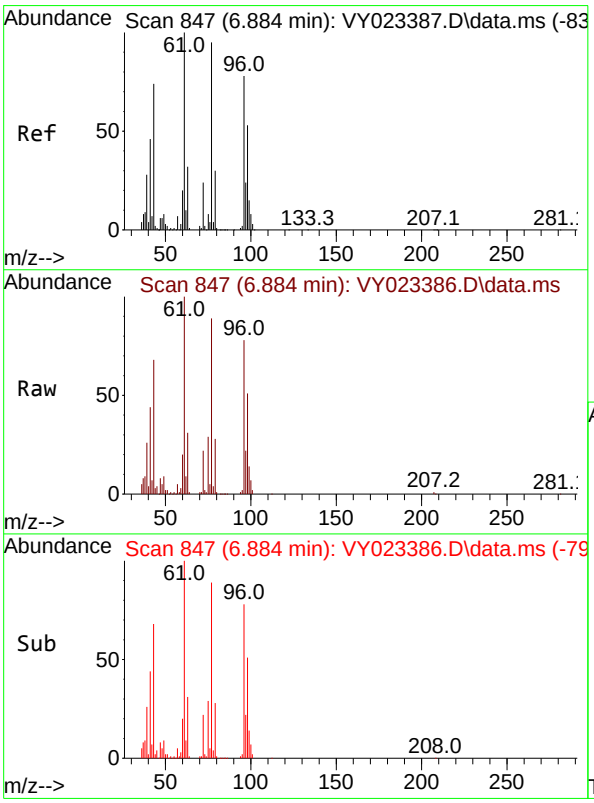
Ion	Ratio	Lower	Upper
43	100		
72	30.5	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

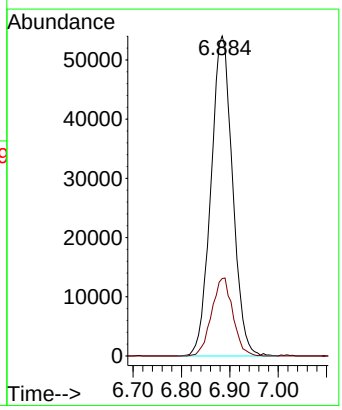


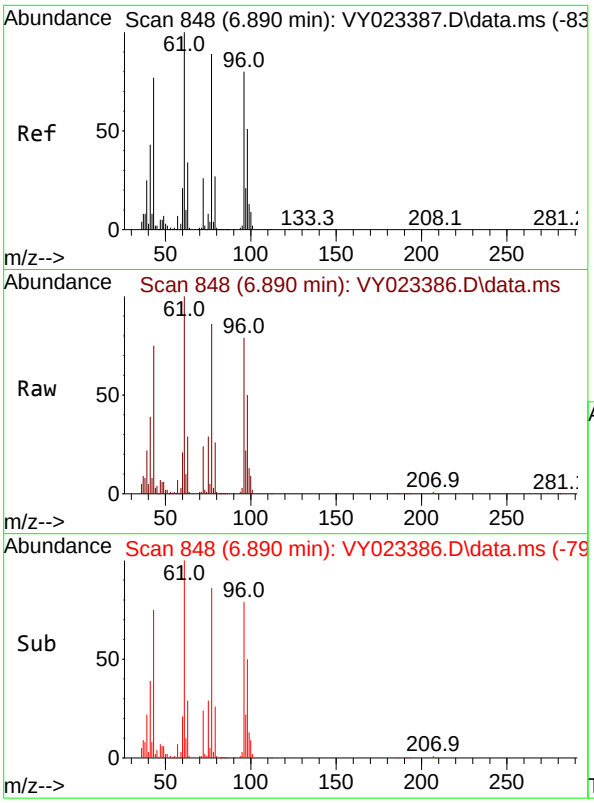


#26
2,2-Dichloropropane
Concen: 19.247 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 77 Resp: 167903

Ion	Ratio	Lower	Upper
77	100		
97	23.9	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 19.747 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

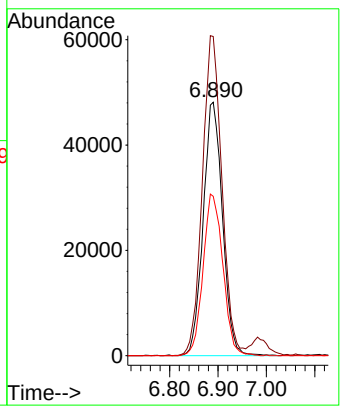
Tgt Ion: 96 Resp: 13363

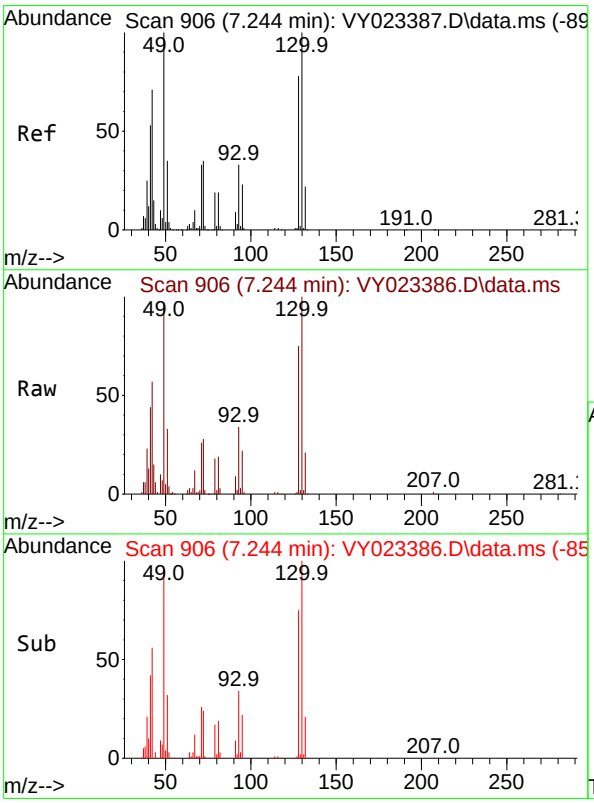
Ion	Ratio	Lower	Upper
96	100		
61	128.1	0.0	258.2
98	65.3	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

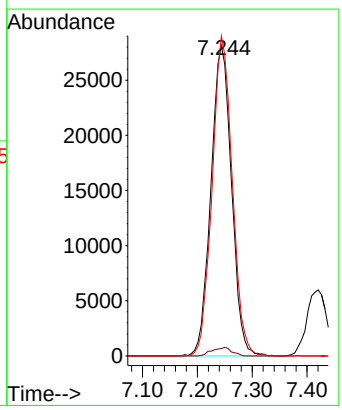


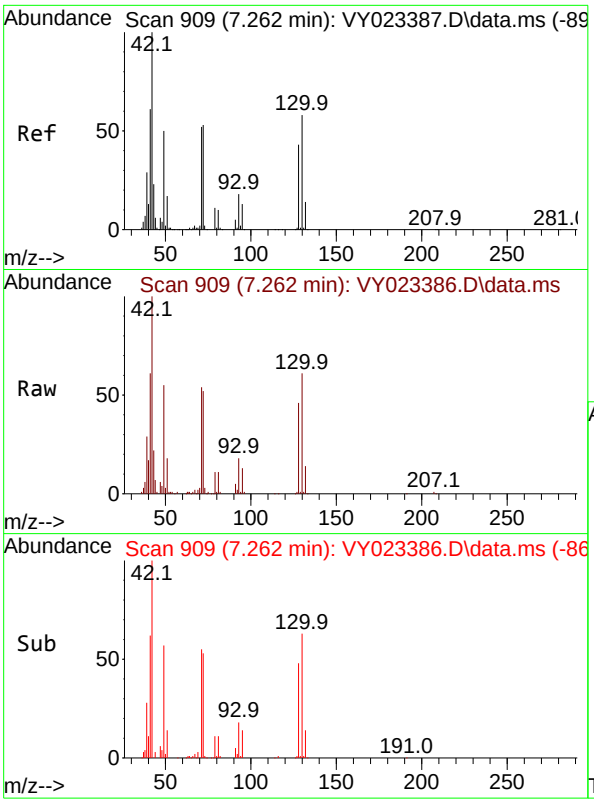


#28
Bromochloromethane
Concen: 19.273 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 49 Resp: 73407

Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.6
130	100.8	81.9	122.9

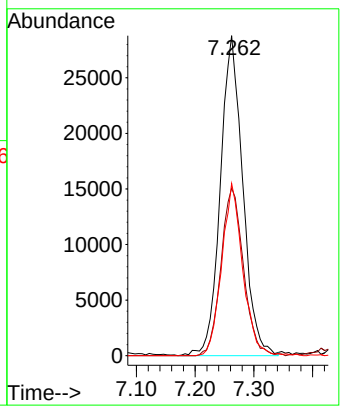




#29
Tetrahydrofuran
Concen: 93.229 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 42 Resp: 7650

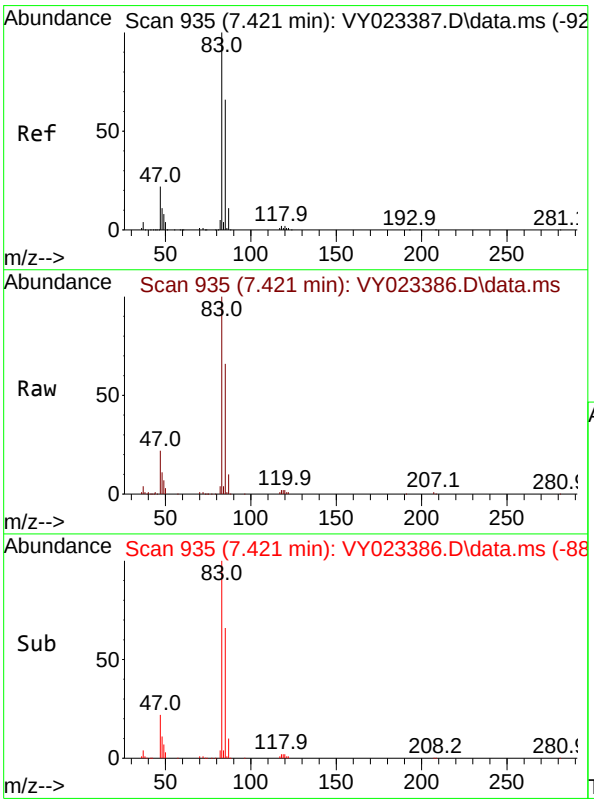
Ion	Ratio	Lower	Upper
42	100		
72	52.7	43.0	64.6
71	50.6	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

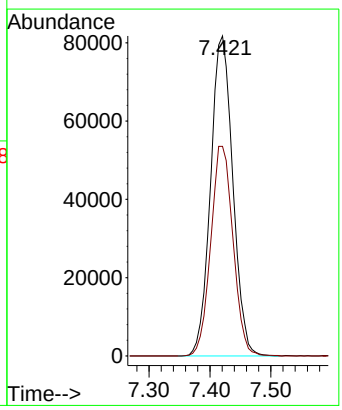
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

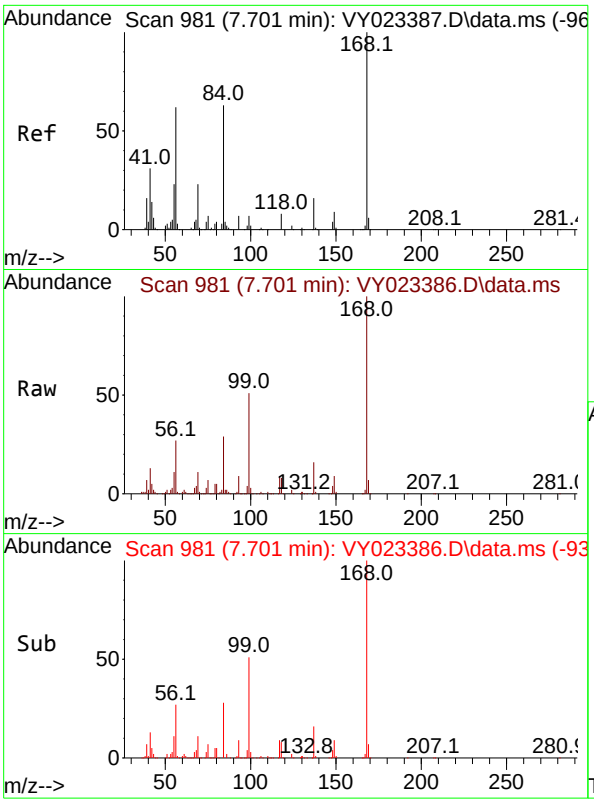


#30
Chloroform
Concen: 19.562 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 83 Resp: 207096

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7

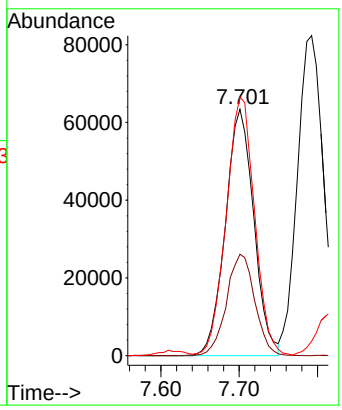




#31
Cyclohexane
Concen: 18.472 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 56 Resp: 16015

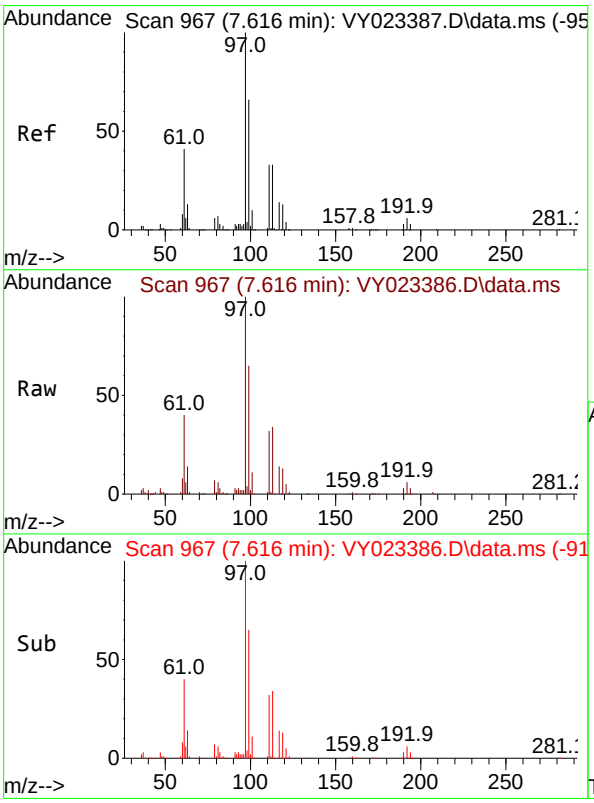
Ion	Ratio	Lower	Upper
56	100		
69	41.2	30.0	45.0
84	103.3	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

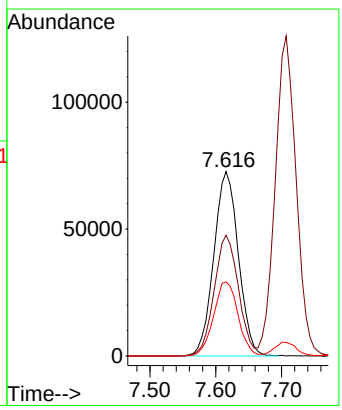
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

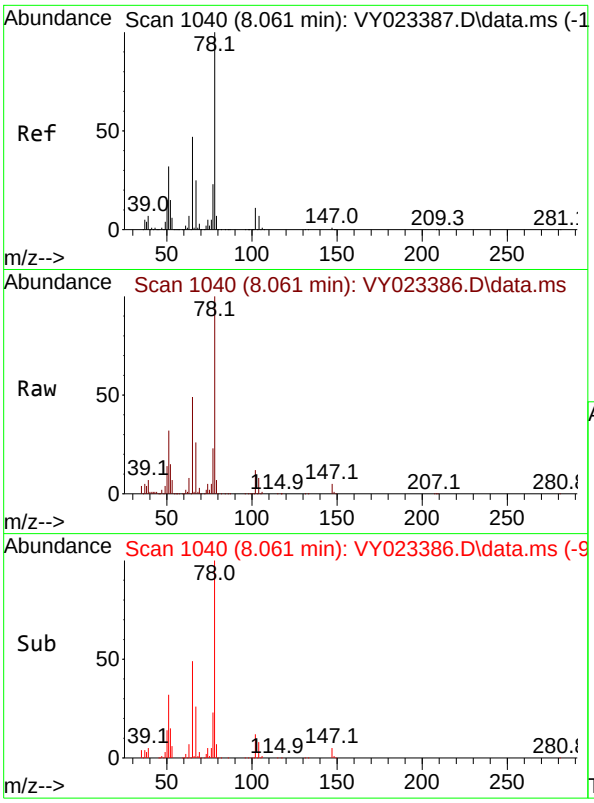


#32
1,1,1-Trichloroethane
Concen: 19.873 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 97 Resp: 188861

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	40.1	31.9	47.9

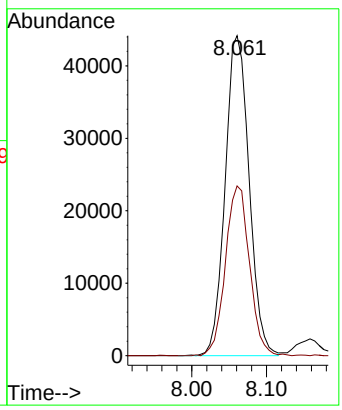




#33
1,2-Dichloroethane-d4
Concen: 19.798 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 65 Resp: 9848

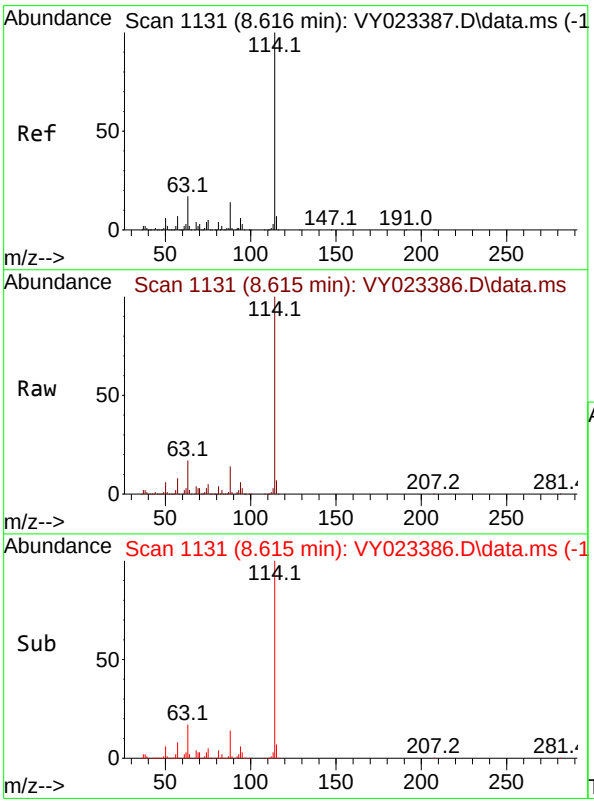
Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

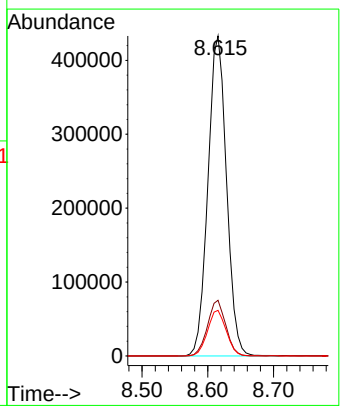
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

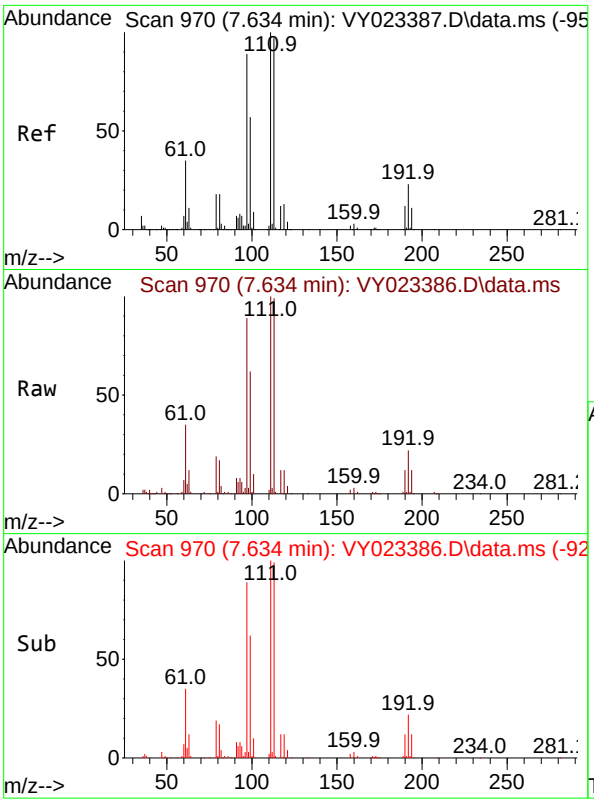


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:114 Resp: 851961

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	34.2
88	14.3	0.0	28.4





#35
Dibromofluoromethane
Concen: 20.895 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

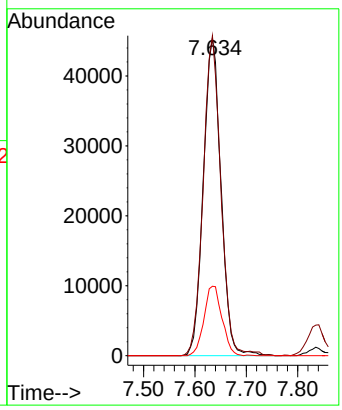
Tgt Ion:113 Resp: 10803

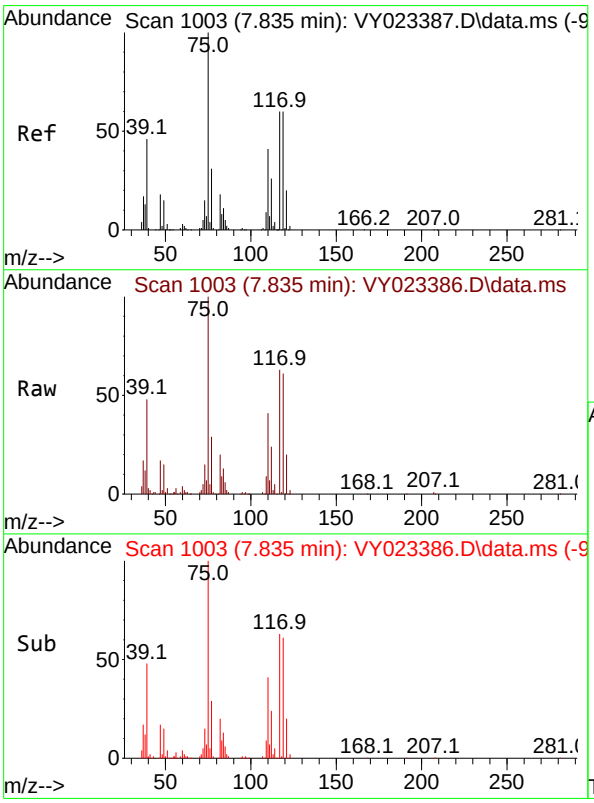
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.8	122.6
192	22.3	18.0	27.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

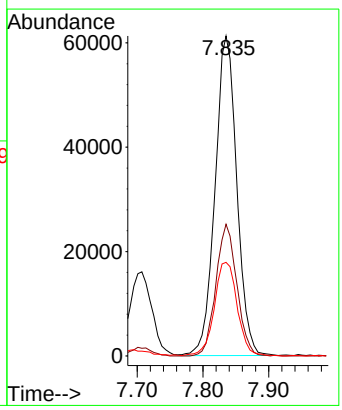


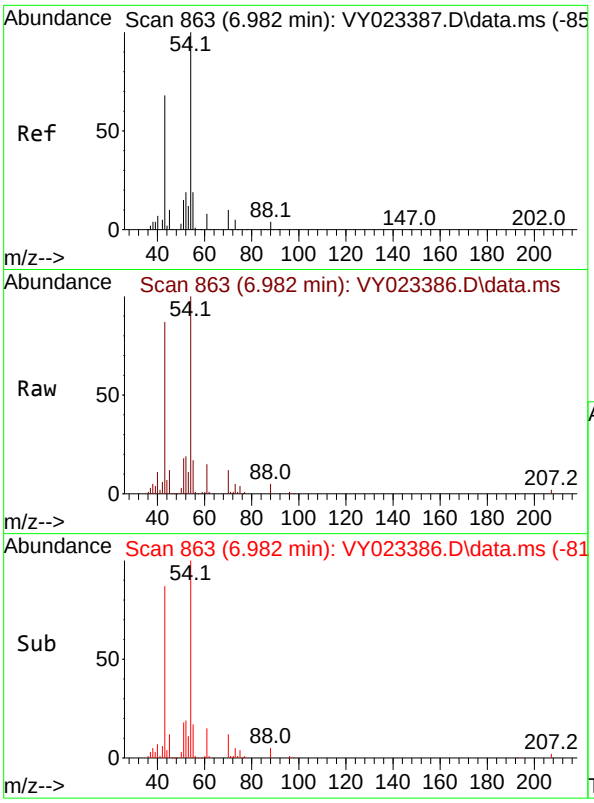


#36
1,1-Dichloropropene
Concen: 19.317 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 140912

Ion	Ratio	Lower	Upper
75	100		
110	39.7	19.9	59.7
77	31.0	25.0	37.6

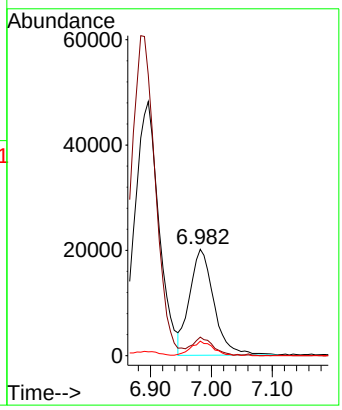




#37
Ethyl Acetate
Concen: 19.315 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 5570

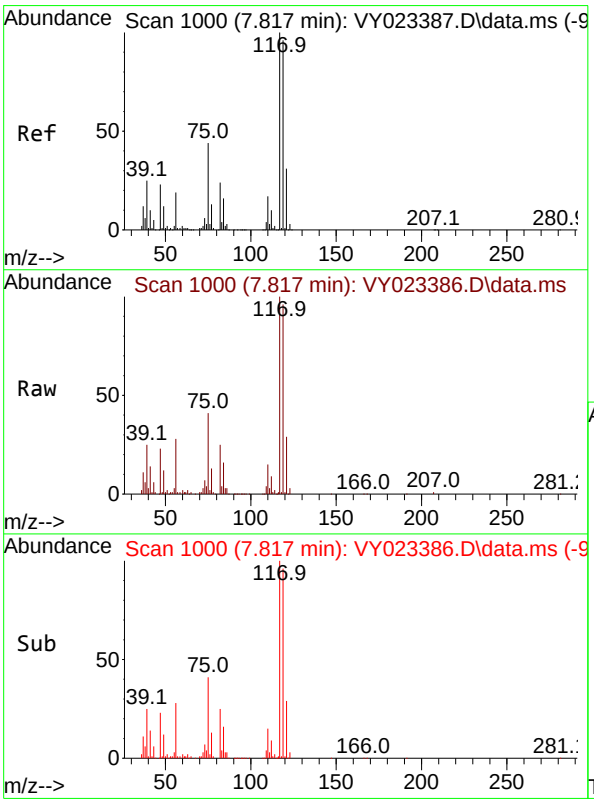
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.8
70	12.7	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

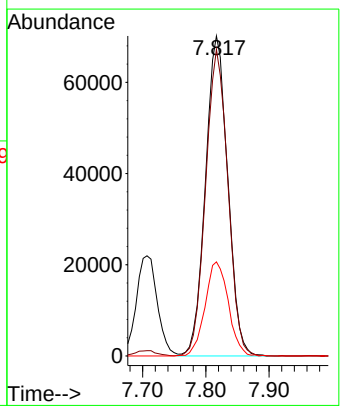
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

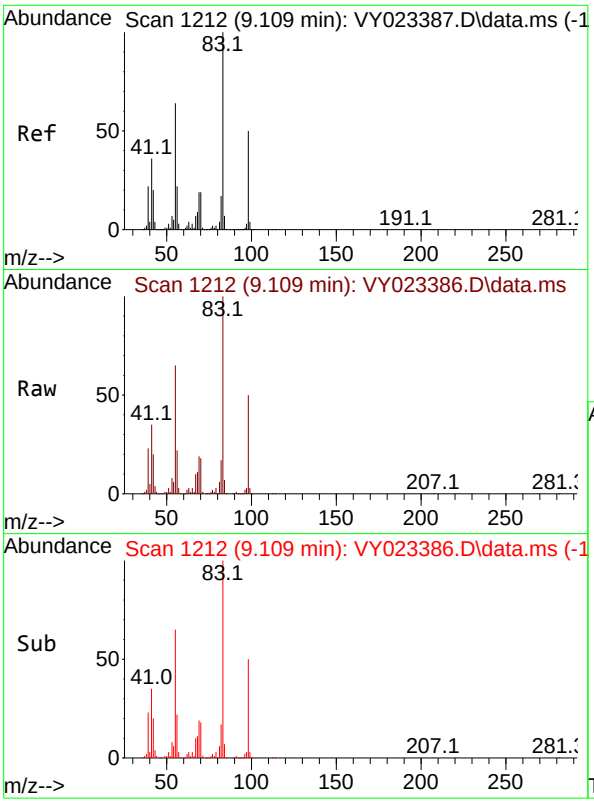


#38
Carbon Tetrachloride
Concen: 20.289 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:117 Resp: 171925

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.8	115.2
121	29.4	24.5	36.7

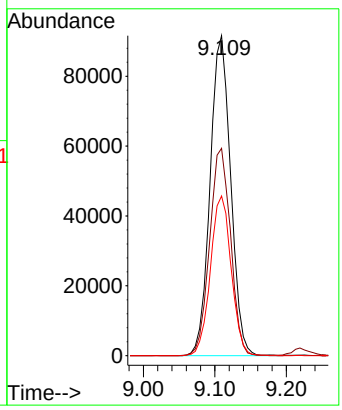




#39
Methylcyclohexane
Concen: 19.576 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 83 Resp: 18283

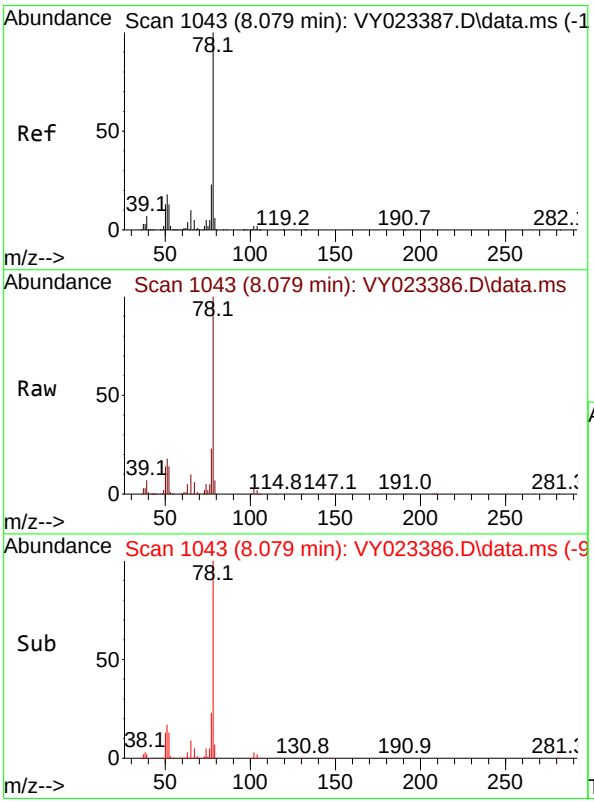
Ion	Ratio	Lower	Upper
83	100		
55	64.8	51.4	77.2
98	49.9	40.4	60.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

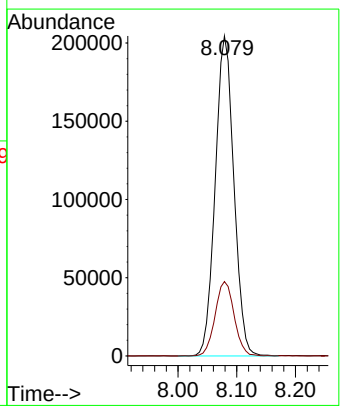
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

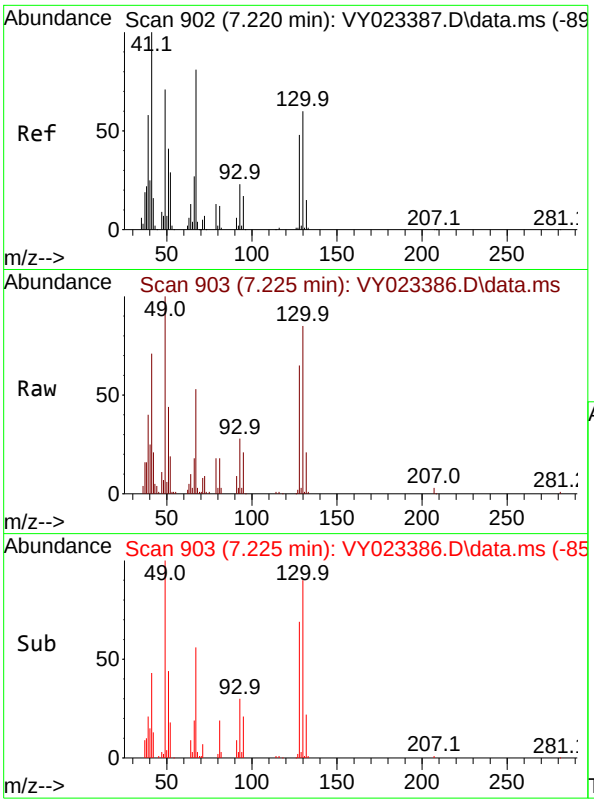


#40
Benzene
Concen: 19.809 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 78 Resp: 450471

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5

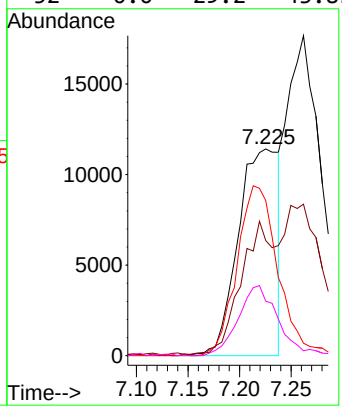




#41
Methacrylonitrile
Concen: 20.783 ug/l m
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 41 Resp: 3112

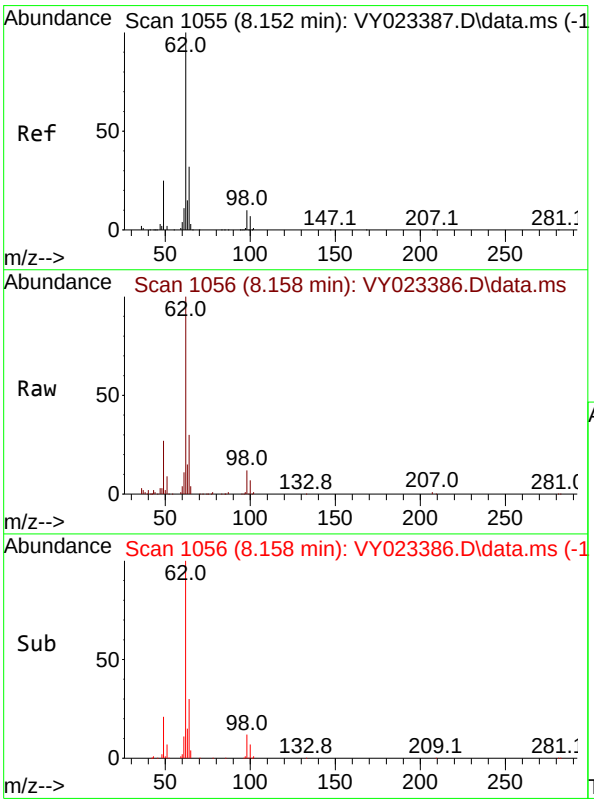
Ion	Ratio	Lower	Upper
41	100		
39	68.6	52.2	78.4
67	0.0	74.9	112.3#
52	0.0	29.2	43.8#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

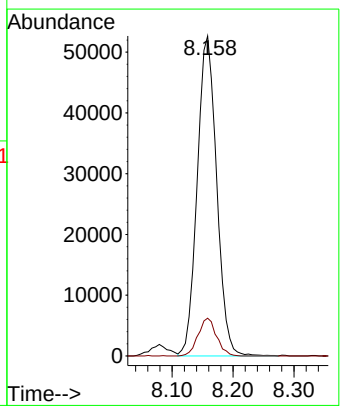
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

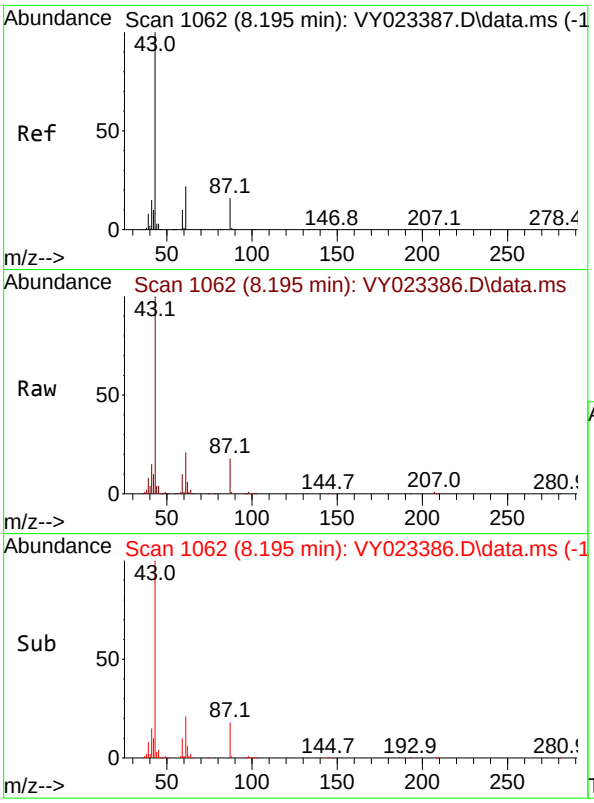


#42
1,2-Dichloroethane
Concen: 20.206 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 62 Resp: 116941

Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	21.6

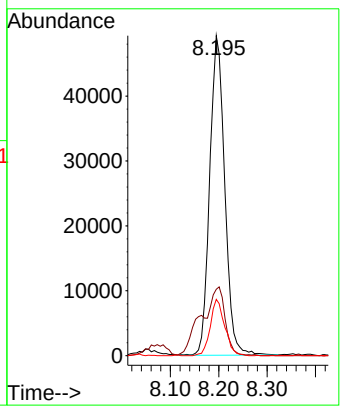




#43
Isopropyl Acetate
Concen: 19.002 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 10659

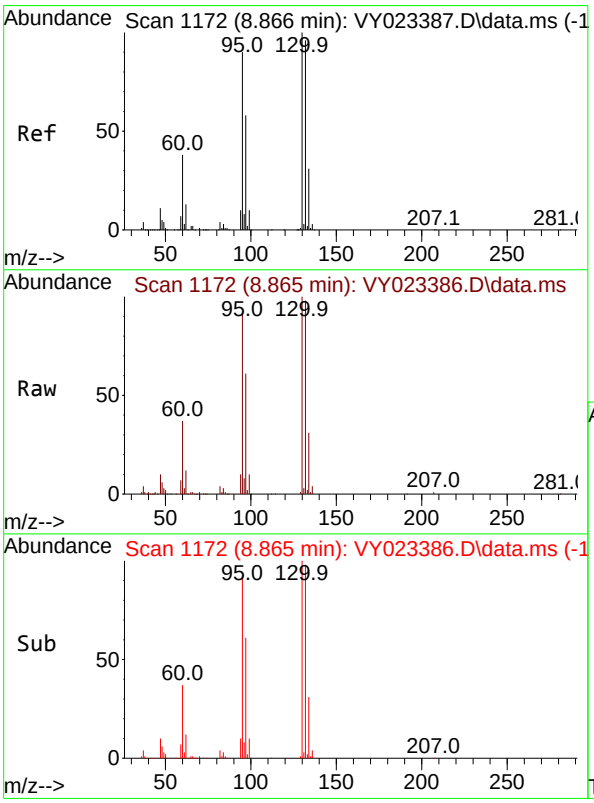
Ion	Ratio	Lower	Upper
43	100		
61	33.1	18.1	27.1
87	16.9	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

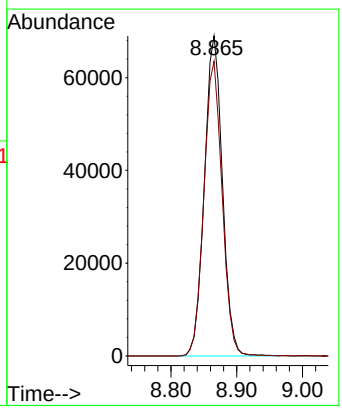
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

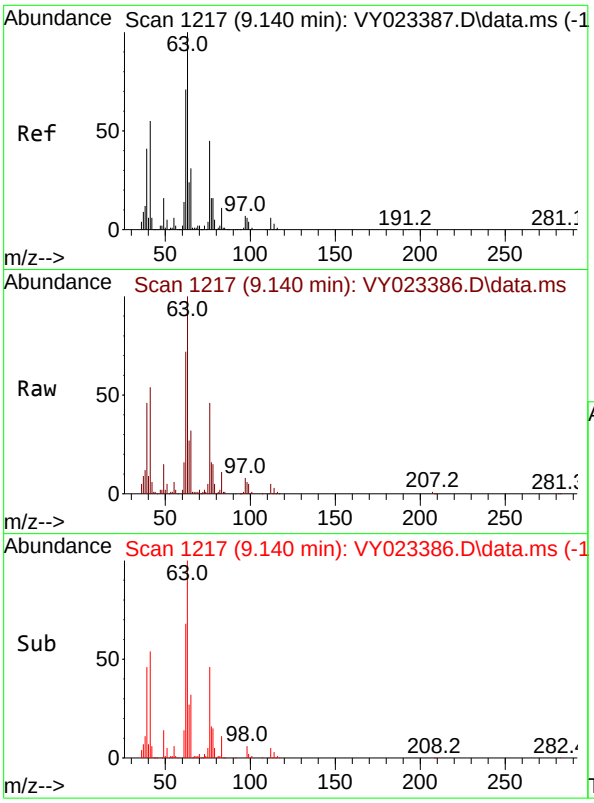


#44
Trichloroethene
Concen: 20.598 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:130 Resp: 131459

Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	180.6

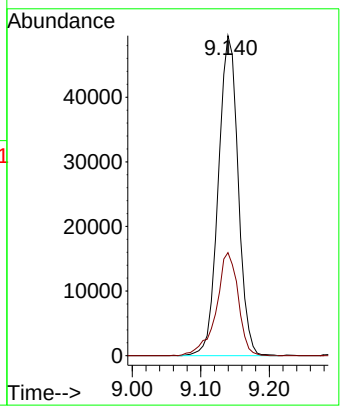




#45
1,2-Dichloropropane
Concen: 19.417 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 63 Resp: 9936

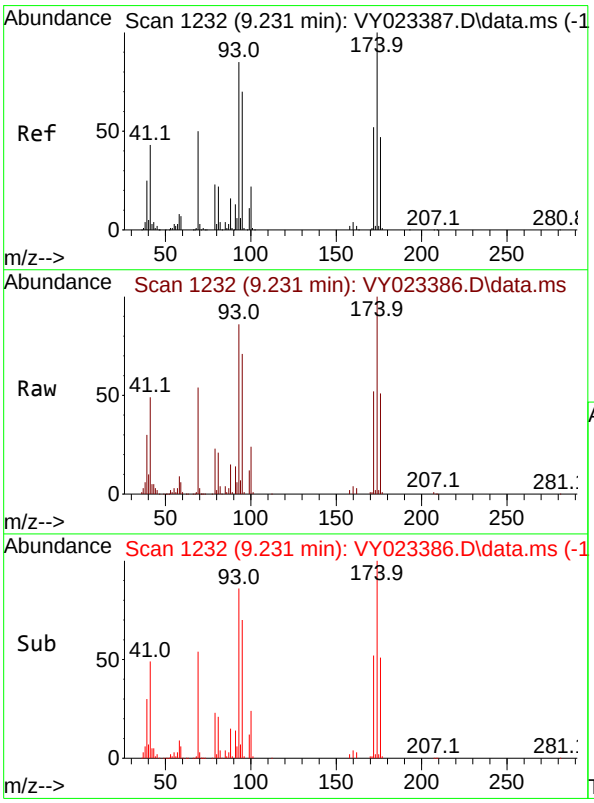
Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

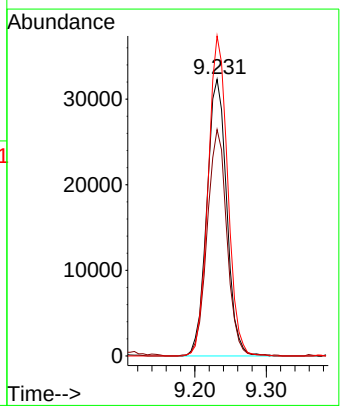
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

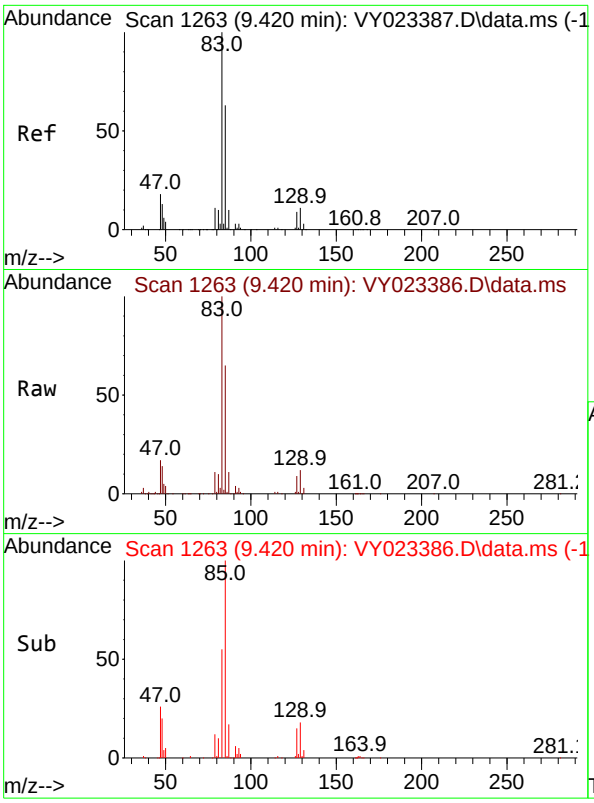


#46
Dibromomethane
Concen: 19.896 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 93 Resp: 62277

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.4	98.0
174	113.6	92.9	139.3

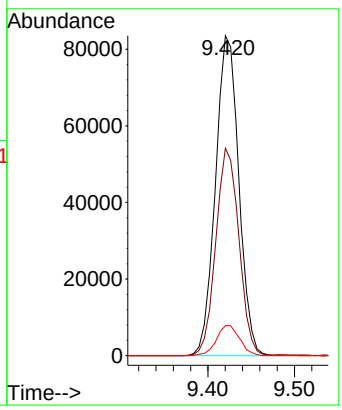




#47
Bromodichloromethane
Concen: 19.854 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 83 Resp: 15642

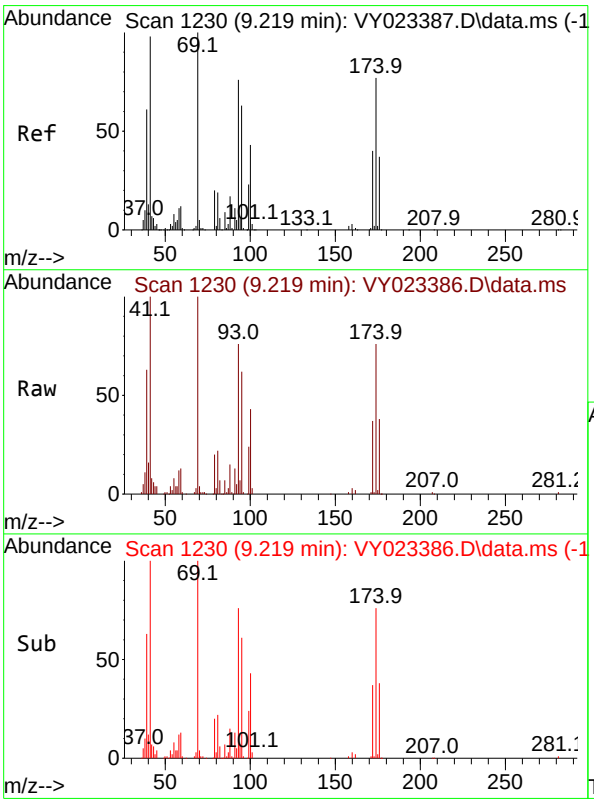
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.8	76.2
127	9.4	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

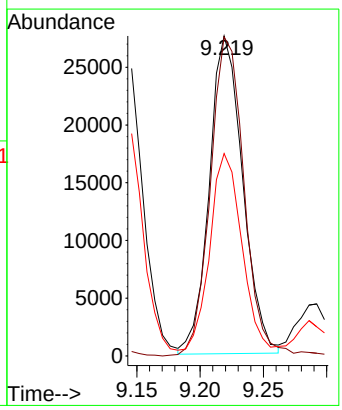
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

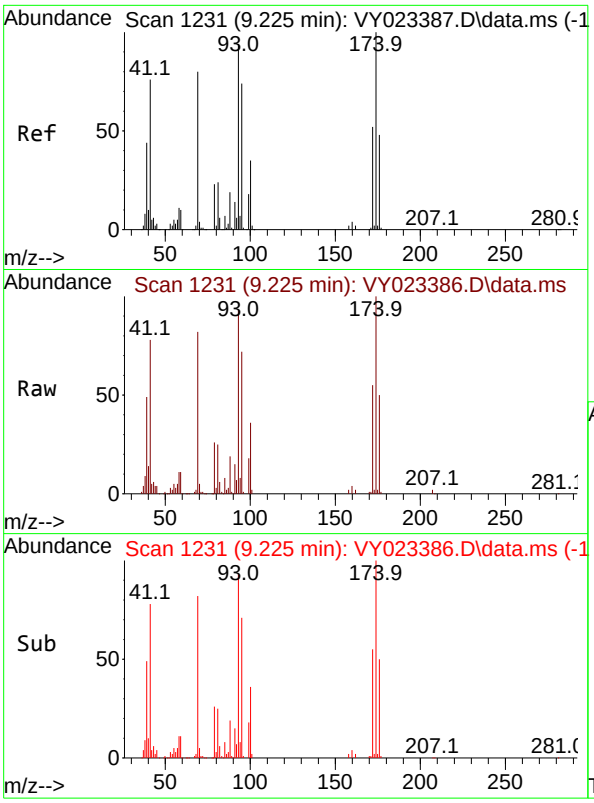


#48
Methyl methacrylate
Concen: 19.352 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 41 Resp: 50661

Ion	Ratio	Lower	Upper
41	100		
69	102.0	81.0	121.4
39	58.8	48.2	72.4

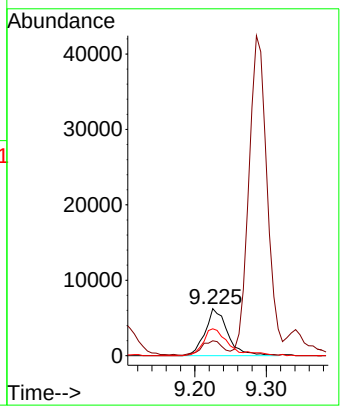




#49
1,4-Dioxane
Concen: 420.712 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 88 Resp: 1363

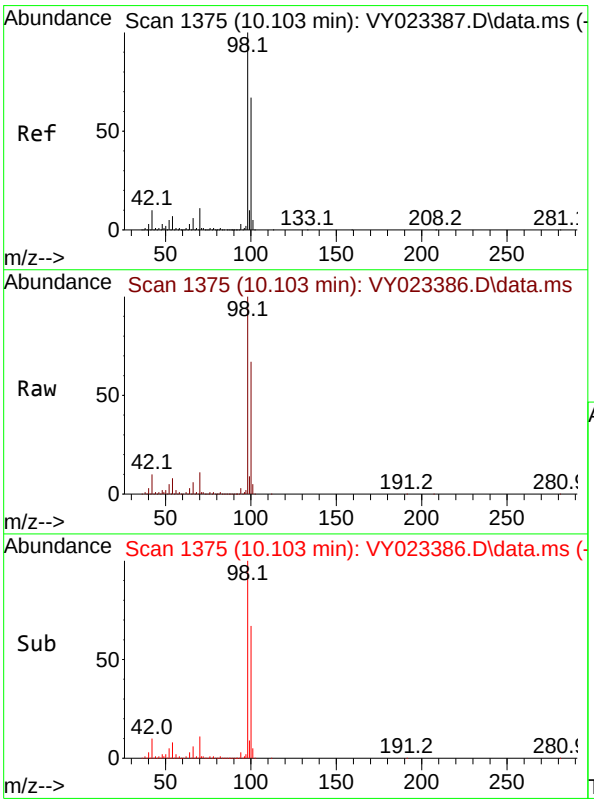
Ion	Ratio	Lower	Upper
88	100		
43	28.9	21.8	32.8
58	58.1	46.8	70.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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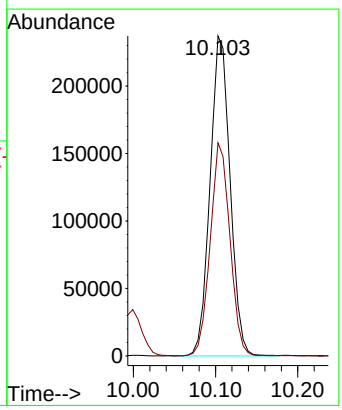
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

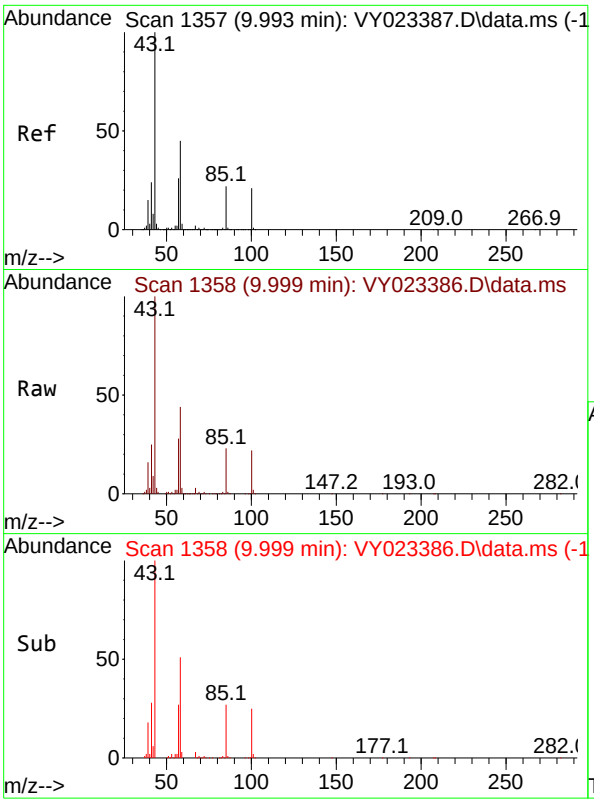


#50
Toluene-d8
Concen: 20.568 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 98 Resp: 401067

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4

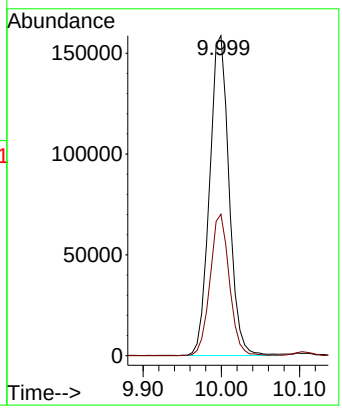




#51
4-Methyl-2-Pentanone
Concen: 95.378 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 27405

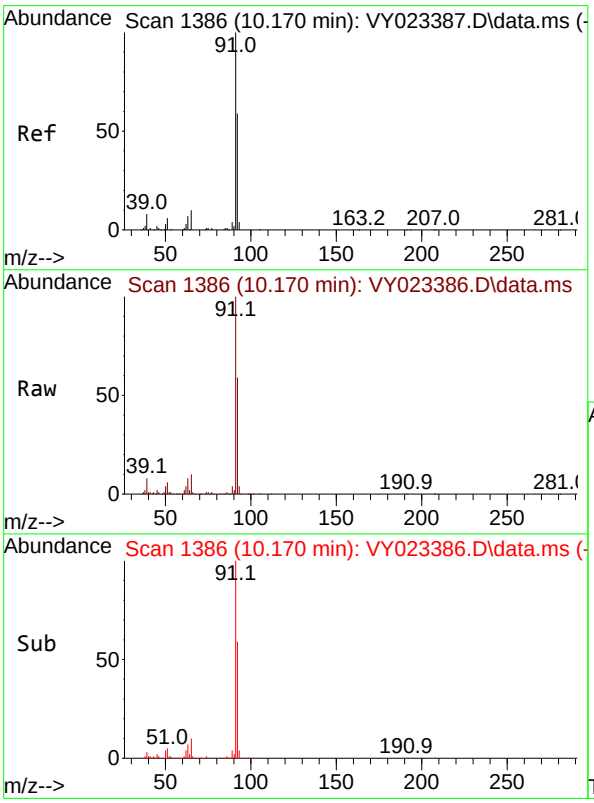
Ion	Ratio	Lower	Upper
43	100		
58	43.8	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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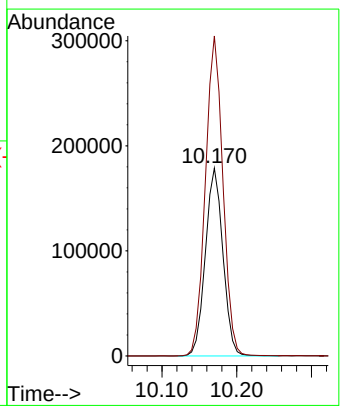
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

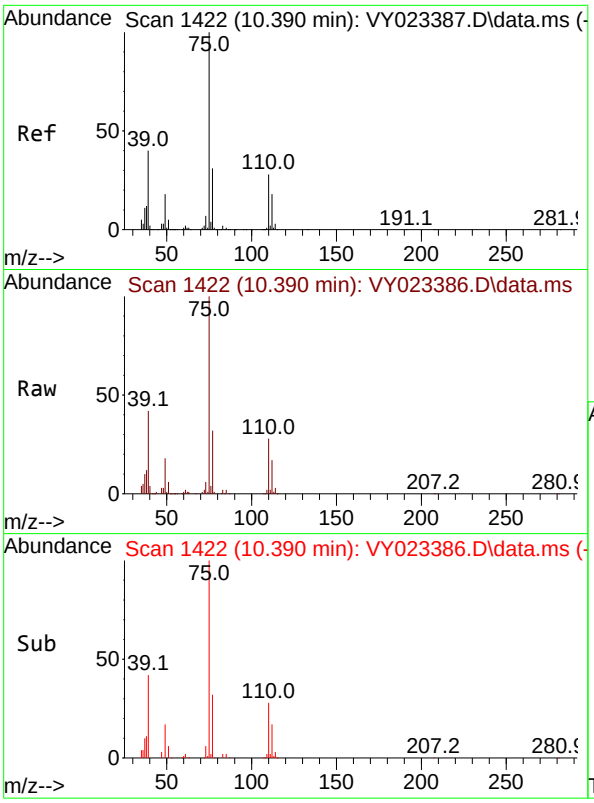


#52
Toluene
Concen: 20.191 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 92 Resp: 291453

Ion	Ratio	Lower	Upper
92	100		
91	170.0	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 19.632 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

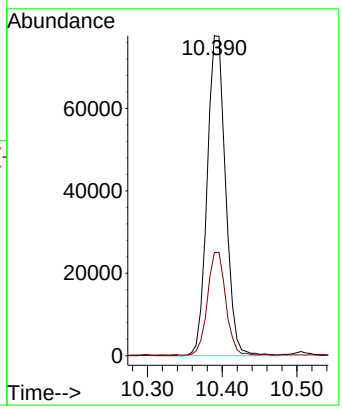
Tgt Ion: 75 Resp: 13284

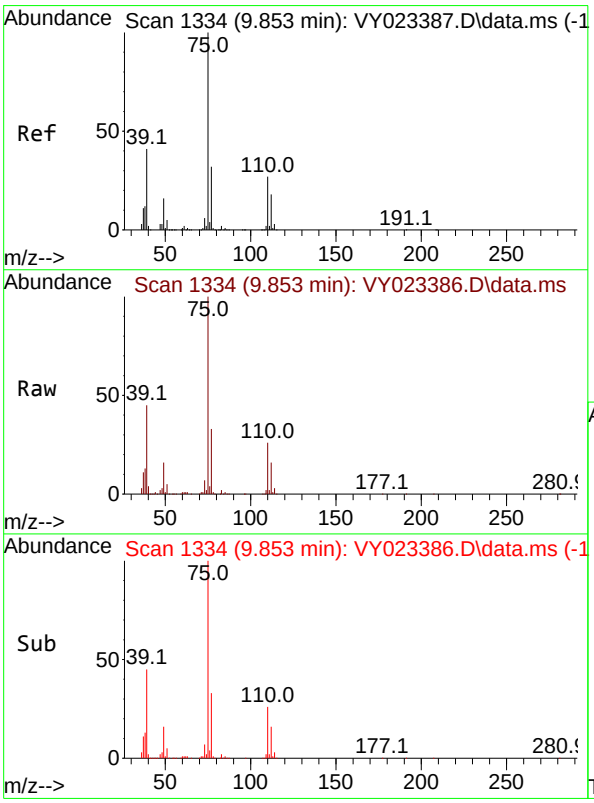
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

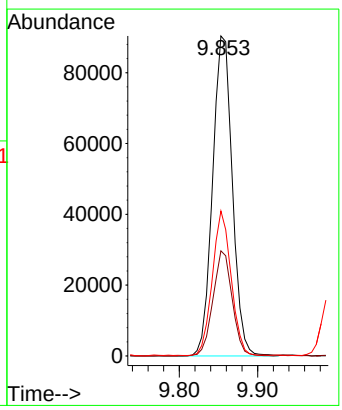


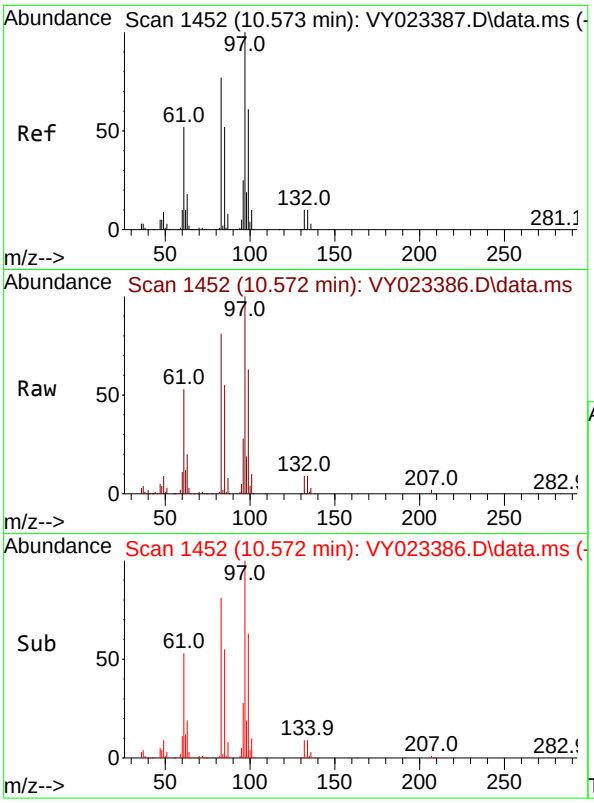


#54
cis-1,3-Dichloropropene
Concen: 19.606 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 158580

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0
39	45.1	32.8	49.2

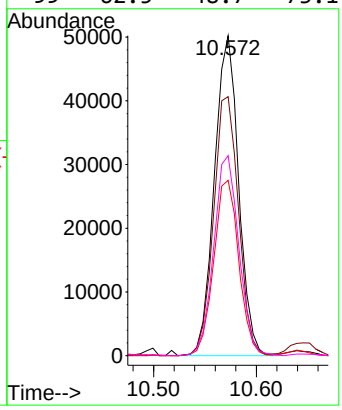




#55
1,1,2-Trichloroethane
Concen: 19.740 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 97 Resp: 8218

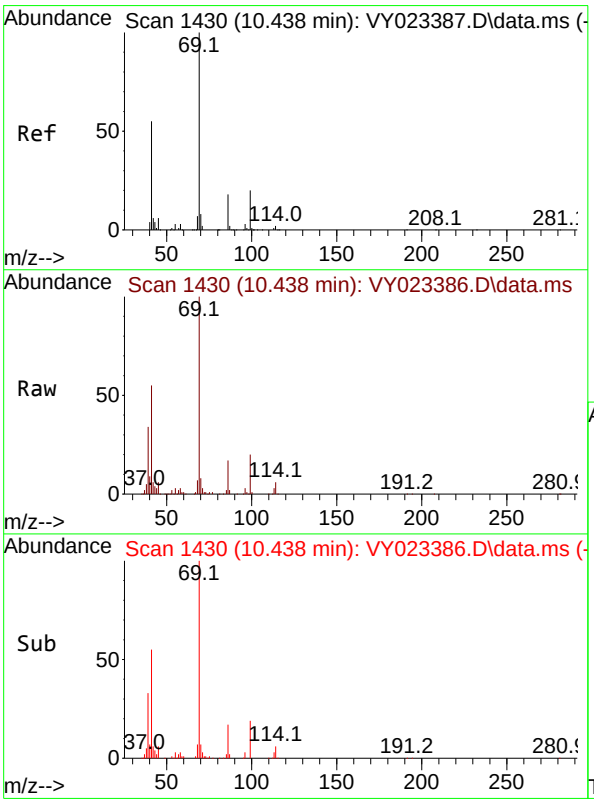
Ion	Ratio	Lower	Upper
97	100		
83	80.9	61.8	92.6
85	54.8	41.3	61.9
99	62.5	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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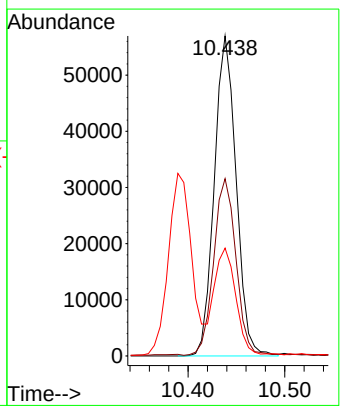
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

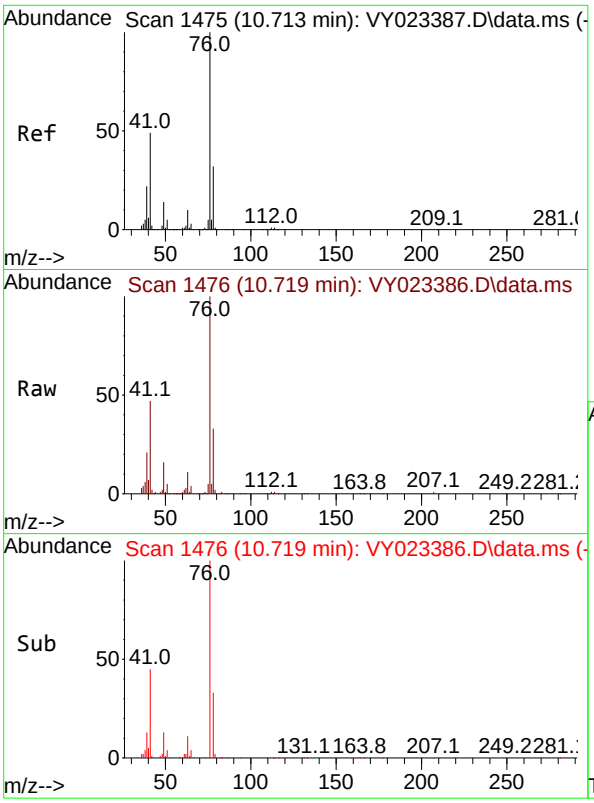


#56
Ethyl methacrylate
Concen: 18.613 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 69 Resp: 89244

Ion	Ratio	Lower	Upper
69	100		
41	56.5	44.6	67.0
39	34.5	27.0	40.4





#57
1,3-Dichloropropane
Concen: 19.389 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

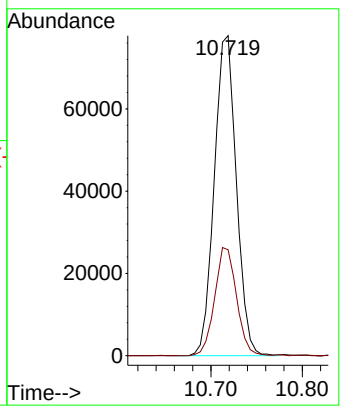
Tgt Ion: 76 Resp: 13065

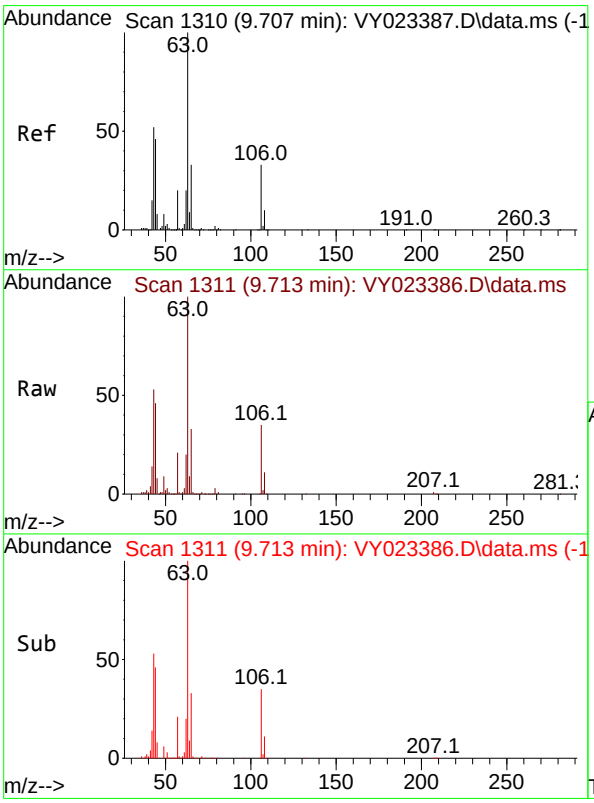
Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

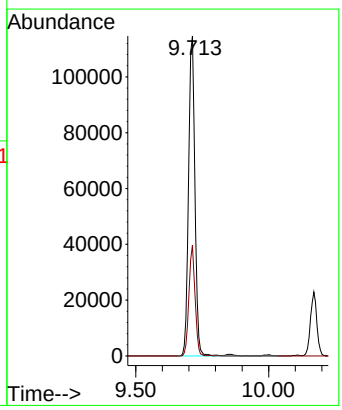


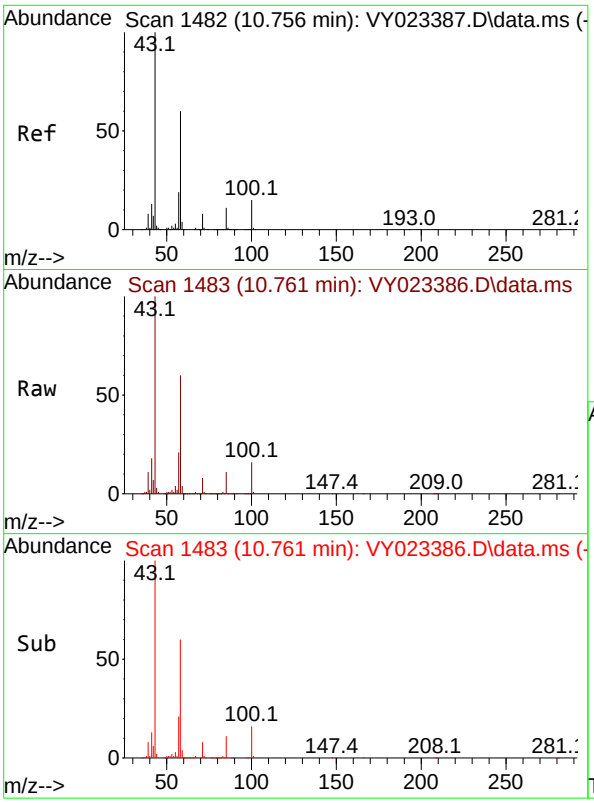


#58
2-Chloroethyl Vinyl ether
Concen: 90.982 ug/l m
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 63 Resp: 190850

Ion	Ratio	Lower	Upper
63	100		
106	32.9	26.6	39.8





#59
2-Hexanone
Concen: 94.190 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

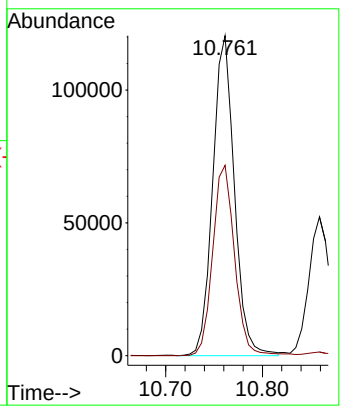
Tgt Ion: 43 Resp: 18738

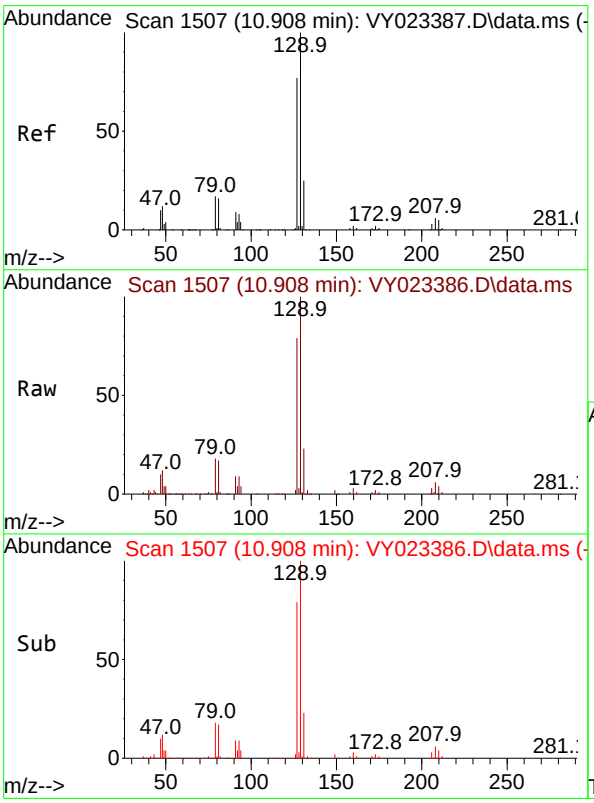
Ion	Ratio	Lower	Upper
43	100		
58	60.2	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

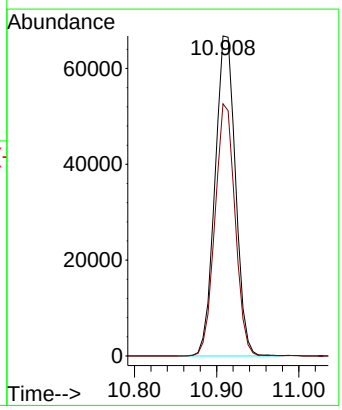


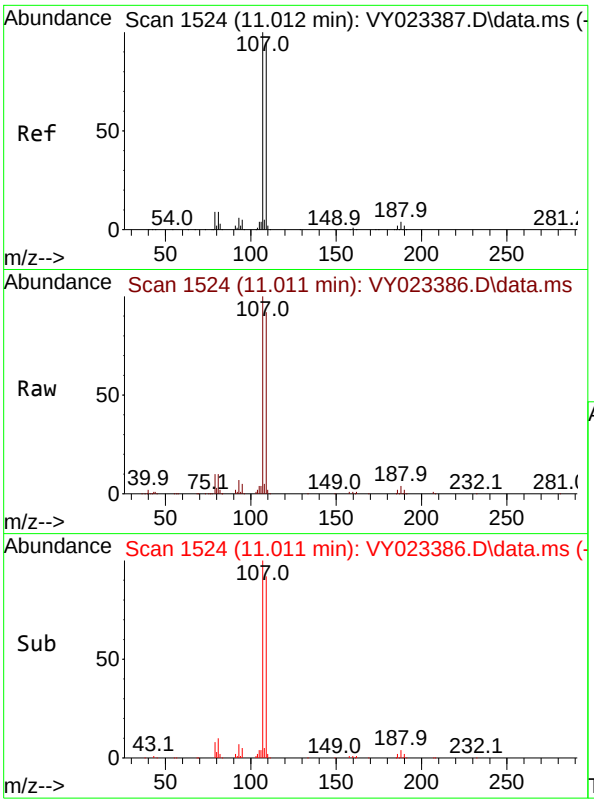


#60
Dibromochloromethane
Concen: 20.412 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:129 Resp: 115907

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7

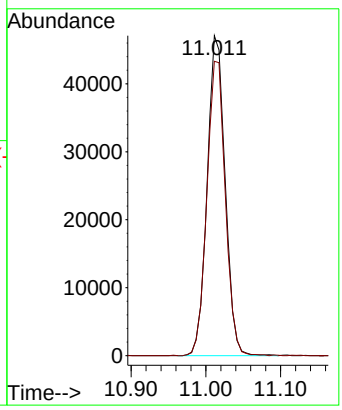




#61
1,2-Dibromoethane
Concen: 20.062 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:107 Resp: 7857

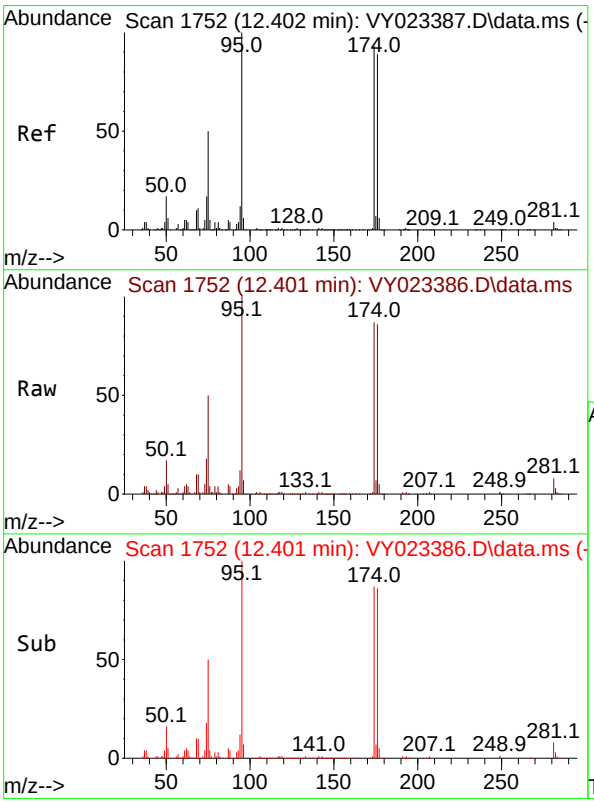
Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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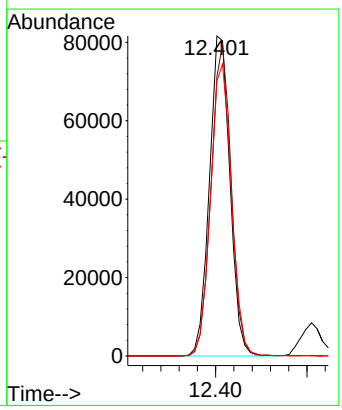
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

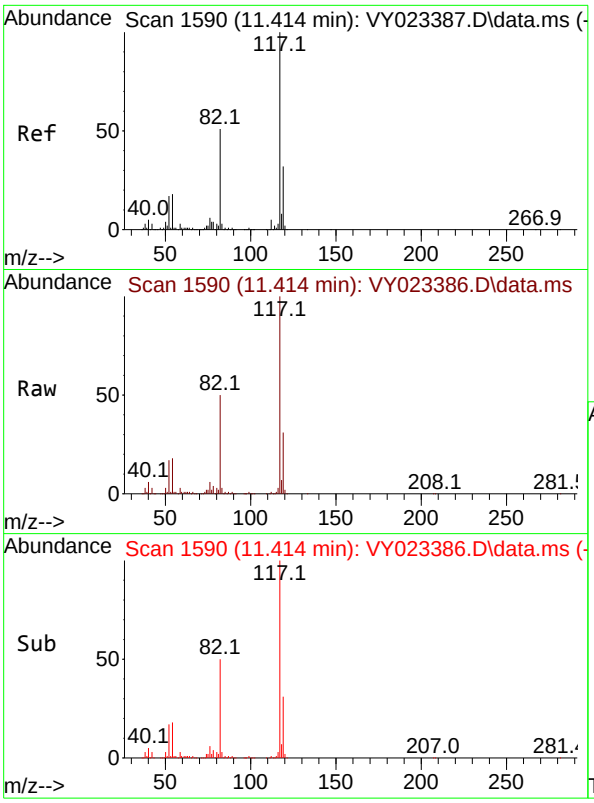


#62
4-Bromofluorobenzene
Concen: 20.680 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 95 Resp: 127216

Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	192.8
176	92.7	0.0	187.6

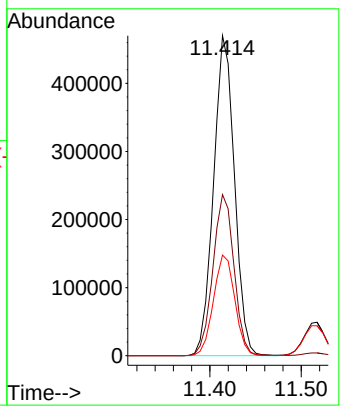




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:117 Resp: 74687

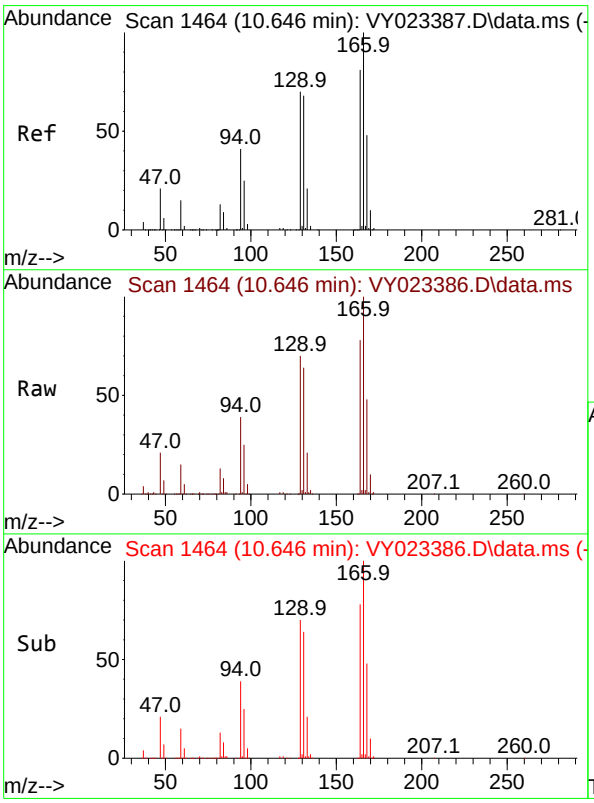
Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.0	61.4
119	31.4	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

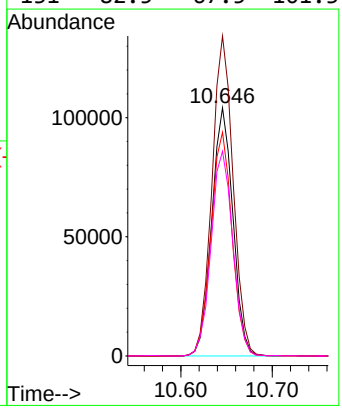
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

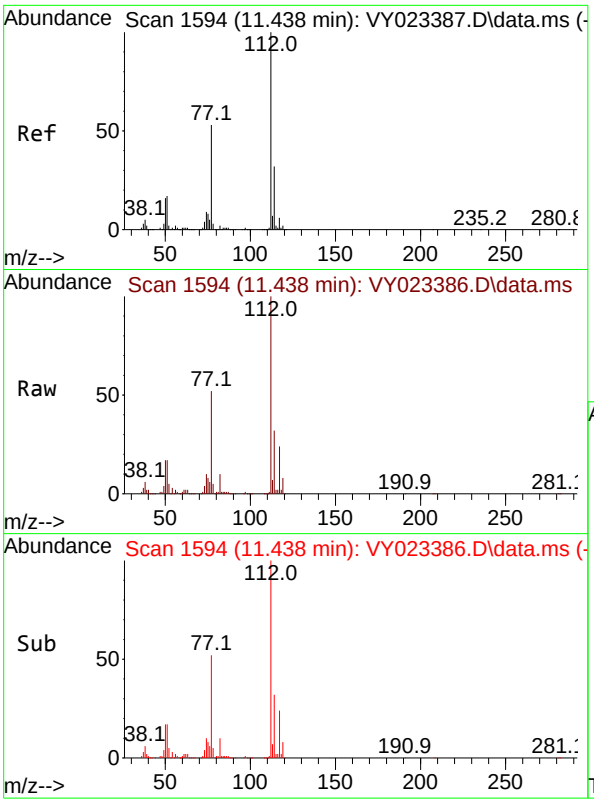


#64
Tetrachloroethene
Concen: 22.438 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:164 Resp: 167648

Ion	Ratio	Lower	Upper
164	100		
166	128.9	99.4	149.0
129	90.1	69.4	104.2
131	82.5	67.5	101.3

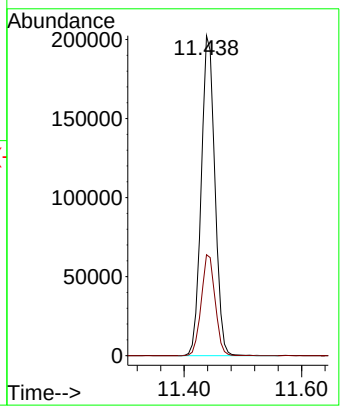




#65
Chlorobenzene
Concen: 20.109 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:112 Resp: 32636

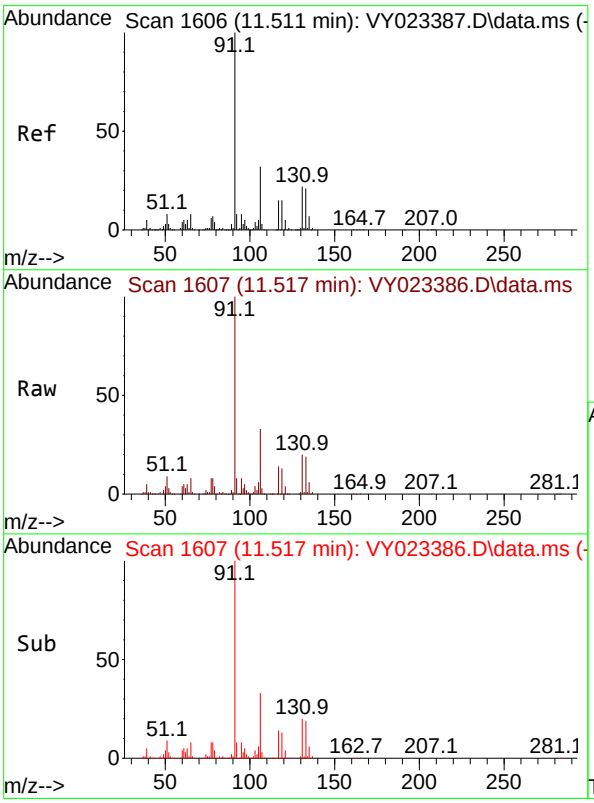
Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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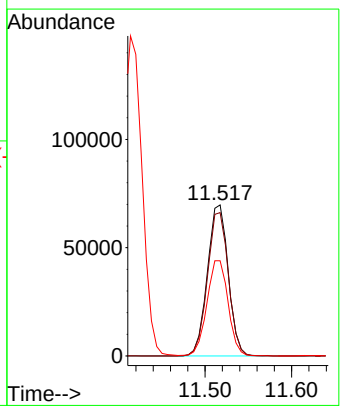
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

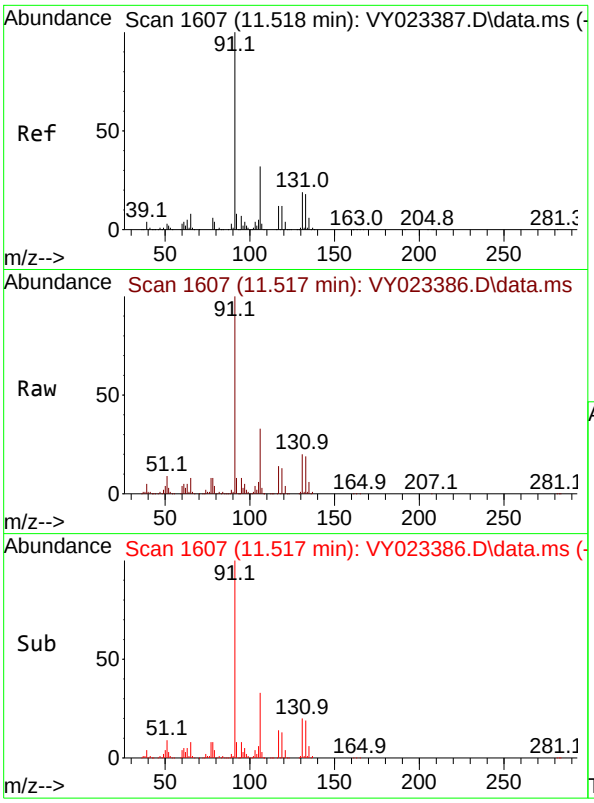


#66
1,1,1,2-Tetrachloroethane
Concen: 20.396 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:131 Resp: 116412

Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.4	145.2
119	64.4	32.4	97.2





#67
Ethyl Benzene
Concen: 19.768 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

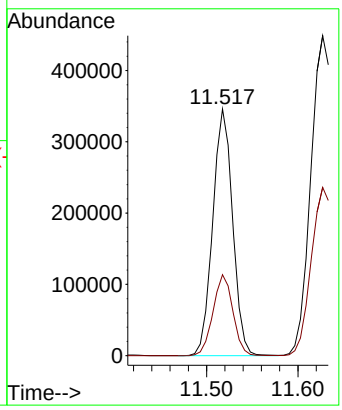
Tgt Ion: 91 Resp: 52360

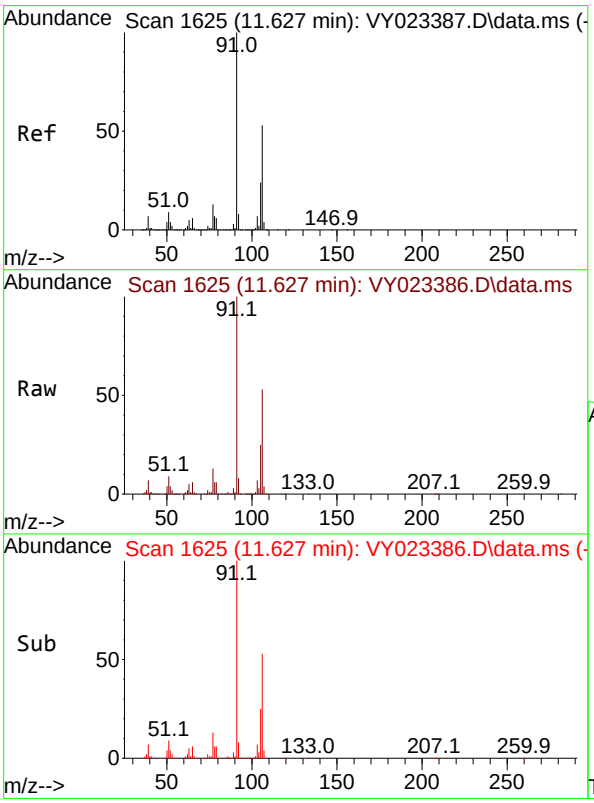
Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

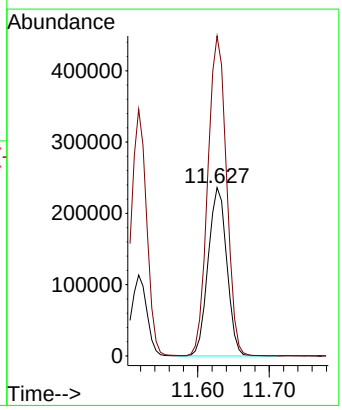


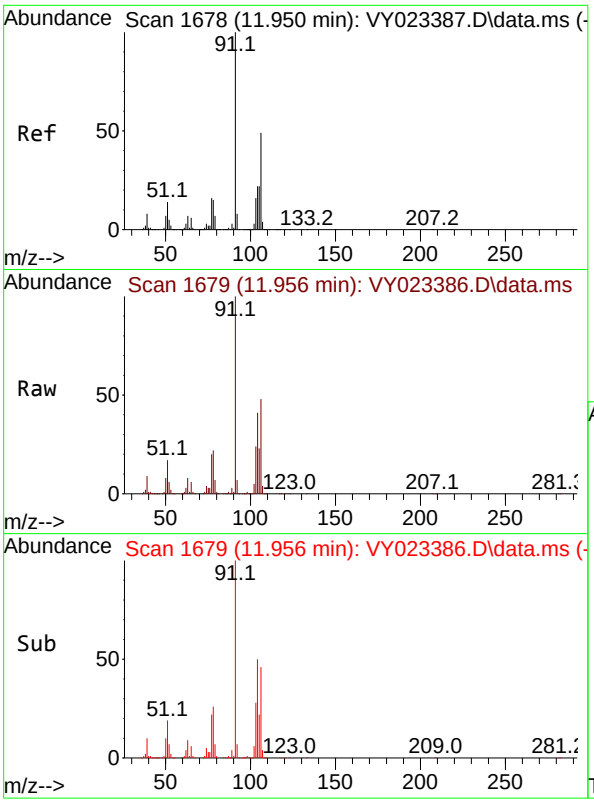


#68
m/p-Xylenes
Concen: 40.211 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:106 Resp: 426913

Ion	Ratio	Lower	Upper
106	100		
91	190.8	152.6	229.0





#69
o-Xylene
Concen: 19.843 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

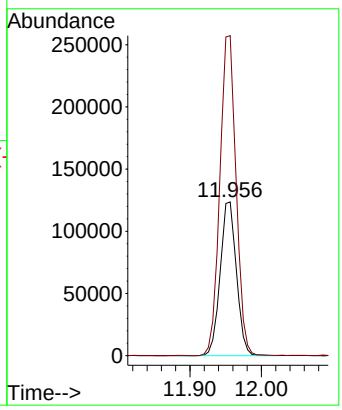
Tgt Ion:106 Resp: 19502

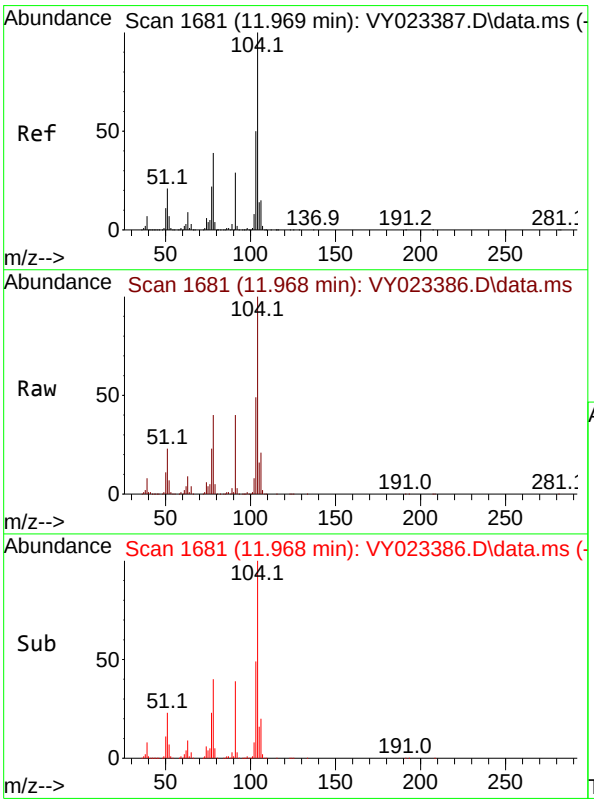
Ion	Ratio	Lower	Upper
106	100		
91	208.5	101.4	304.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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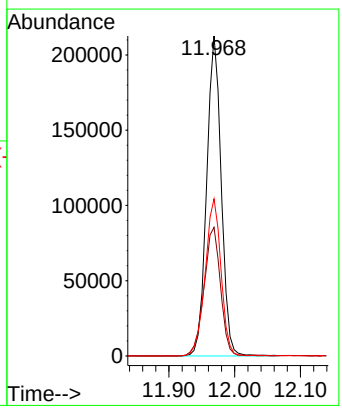


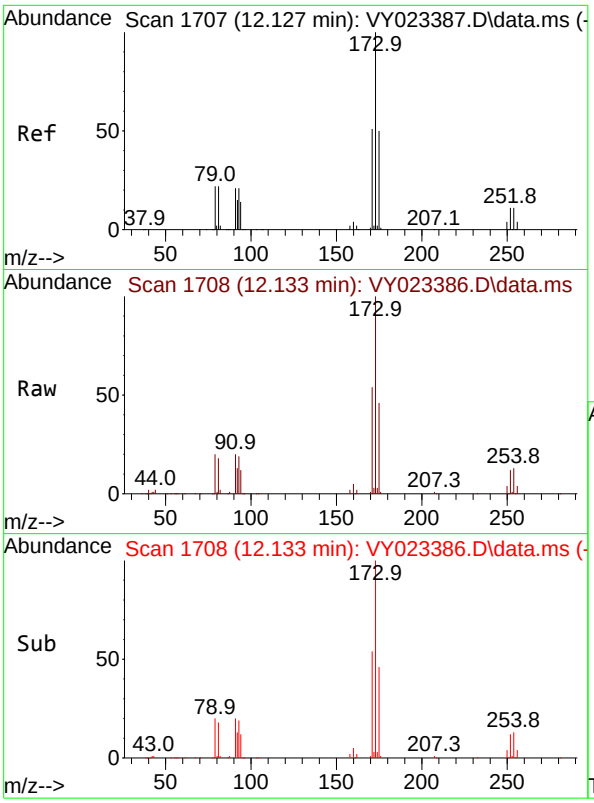


#70
Styrene
Concen: 20.208 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:104 Resp: 327934

Ion	Ratio	Lower	Upper
104	100		
78	45.4	36.1	54.1
103	53.3	43.2	64.8

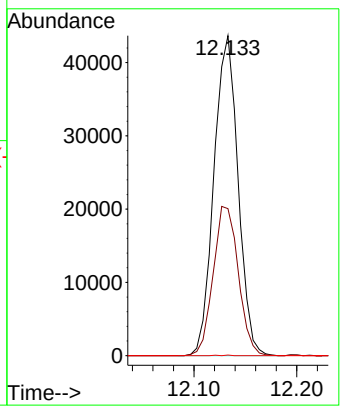




#71
Bromoform
Concen: 20.814 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:173 Resp: 7111

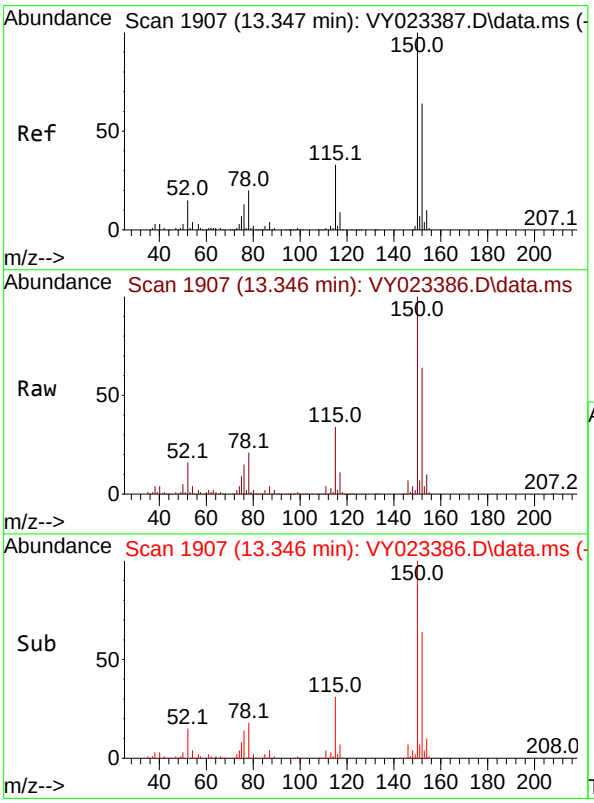
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.8	74.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

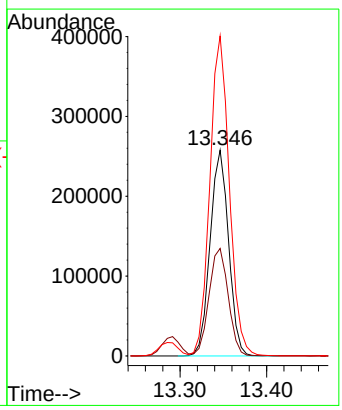
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

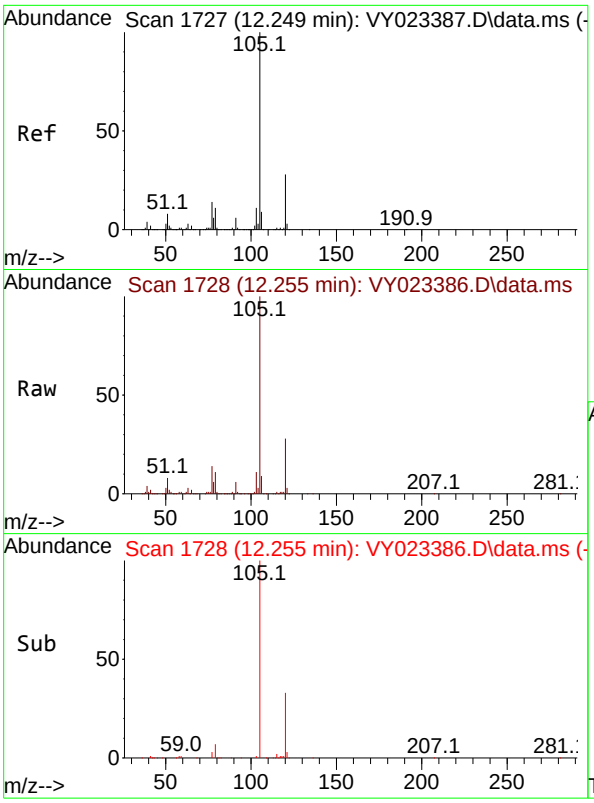


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:152 Resp: 382604

Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.1	81.2
150	163.2	0.0	347.4

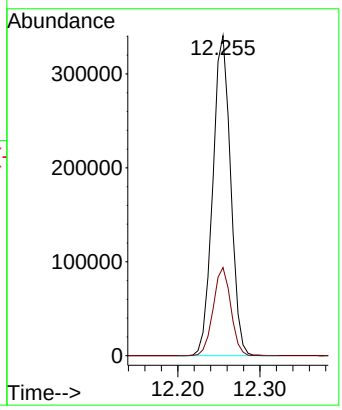




#73
Isopropylbenzene
Concen: 20.136 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:105 Resp: 51318

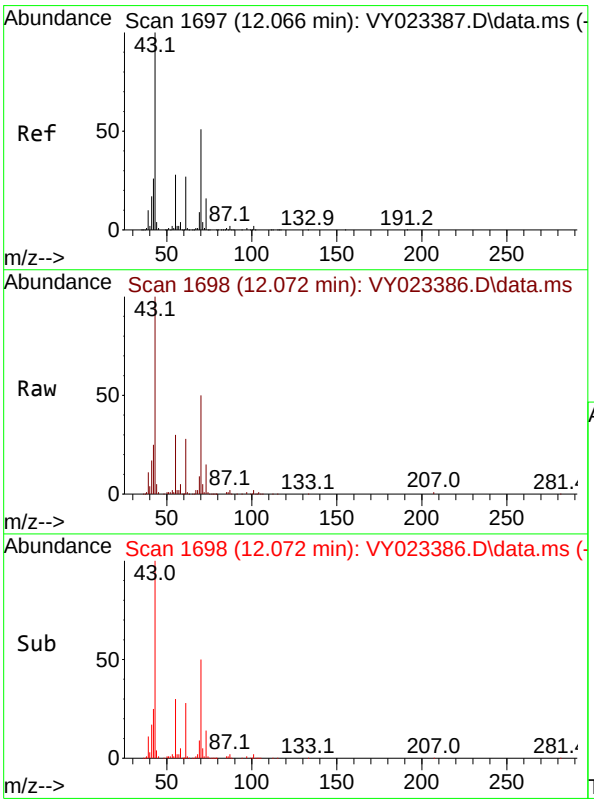
Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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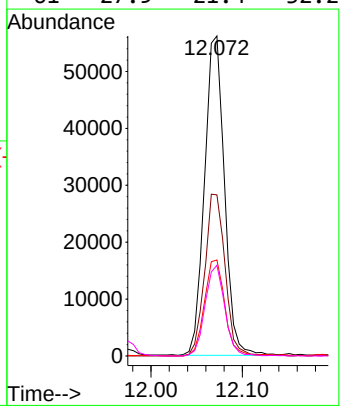
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

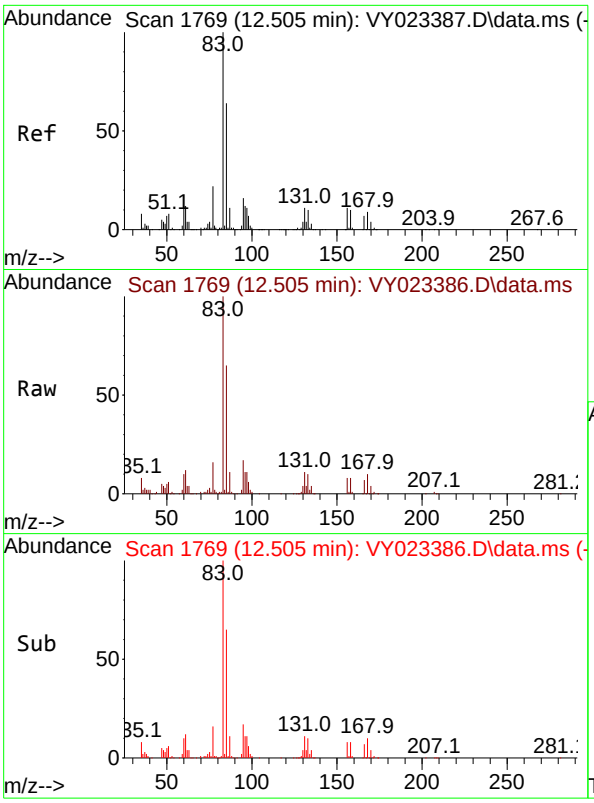


#74
N-amyl acetate
Concen: 17.860 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 85063

Ion	Ratio	Lower	Upper
43	100		
70	51.8	41.1	61.7
55	30.6	23.0	34.6
61	27.9	21.4	32.2

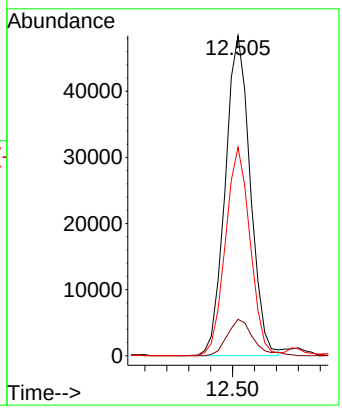




#75
1,1,2,2-Tetrachloroethane
Concen: 18.069 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 83 Resp: 7682

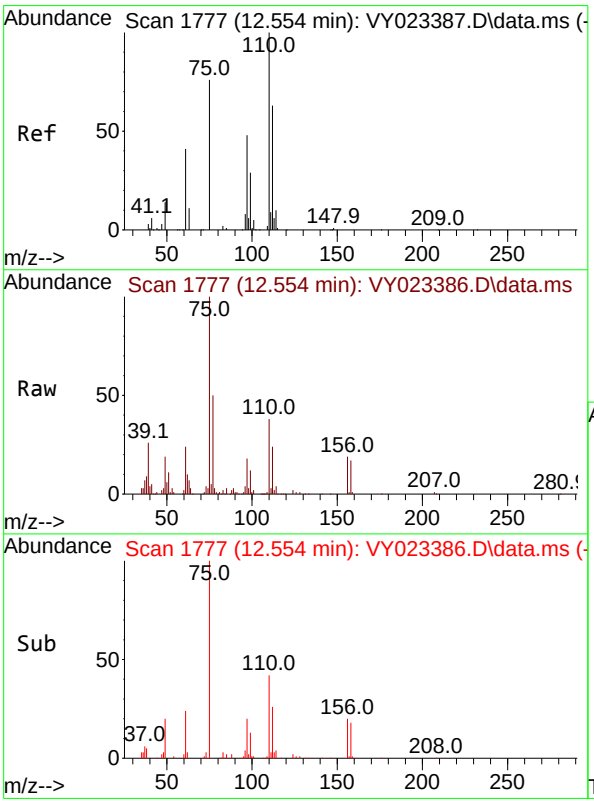
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.9	17.6
85	64.1	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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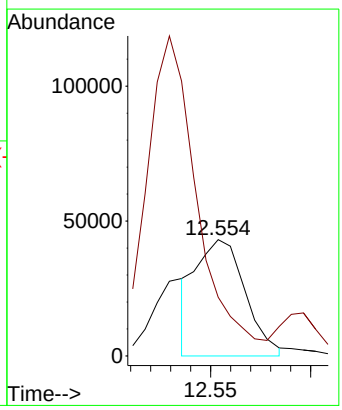
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

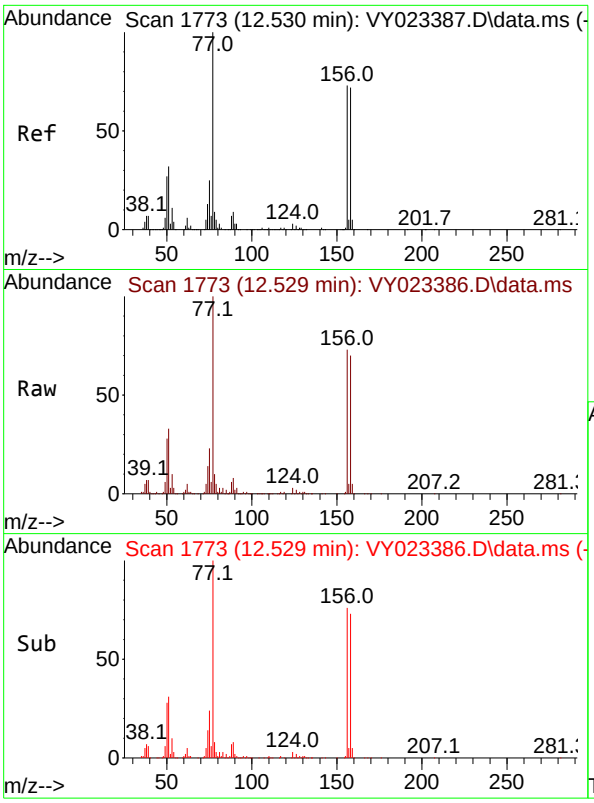


#76
1,2,3-Trichloropropane
Concen: 19.634 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 74100

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

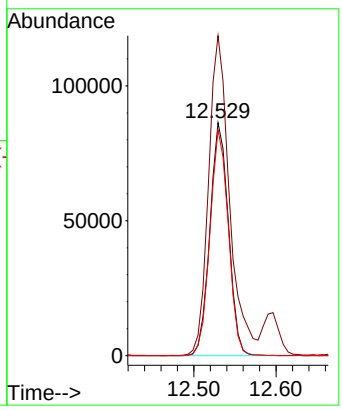




#77
Bromobenzene
Concen: 20.700 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:156 Resp: 13540

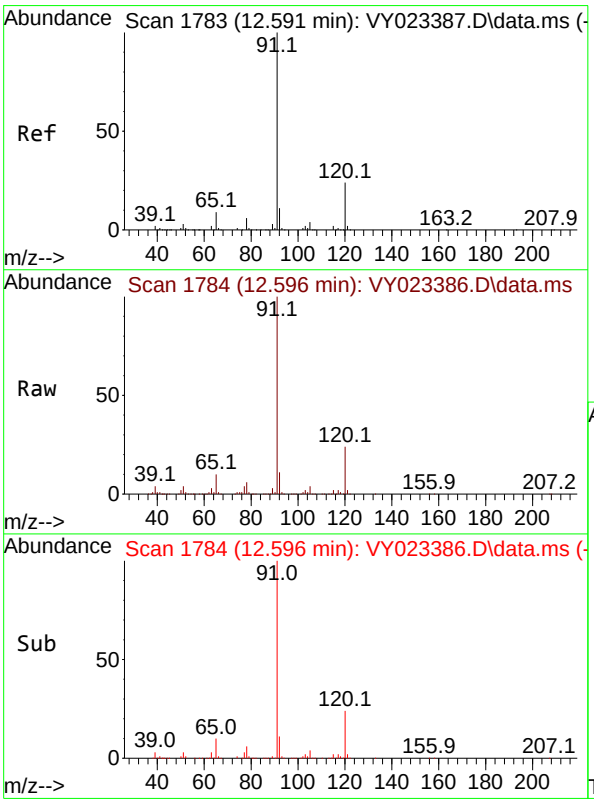
Ion	Ratio	Lower	Upper
156	100		
77	156.2	76.8	230.5
158	96.1	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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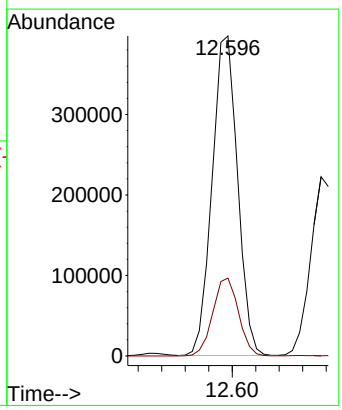
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

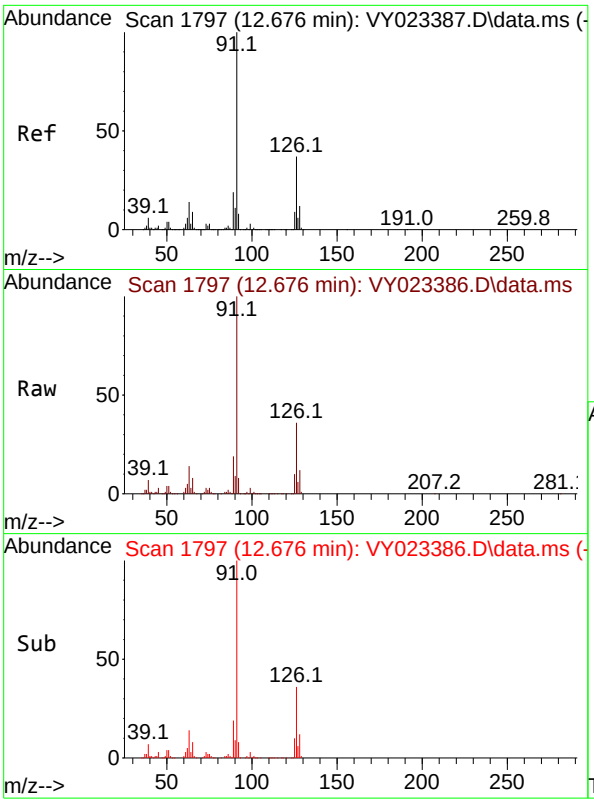


#78
n-propylbenzene
Concen: 19.945 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 597829

Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.3	36.8

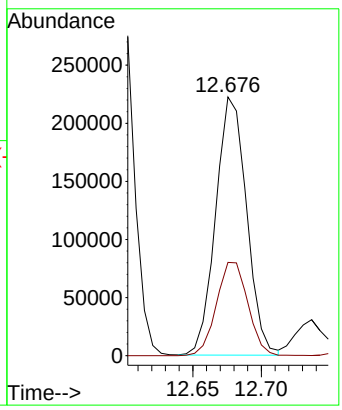




#79
2-Chlorotoluene
Concen: 20.179 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 34920

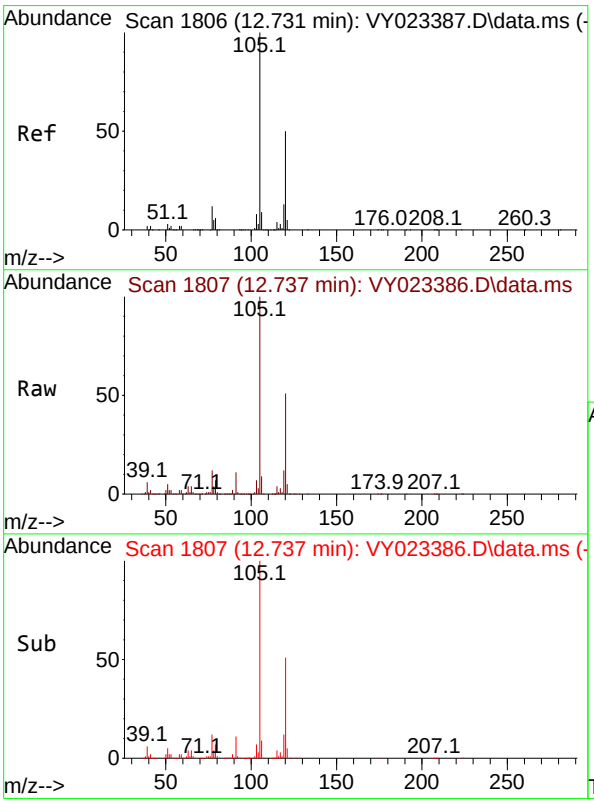
Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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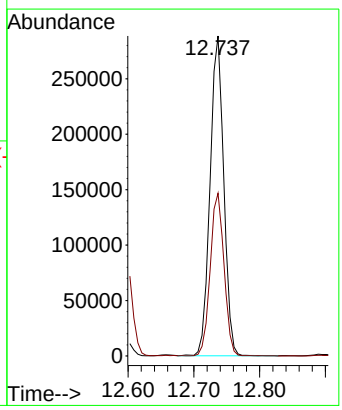
Reviewed By :Semsettin Yesilyurt 10/10/2025
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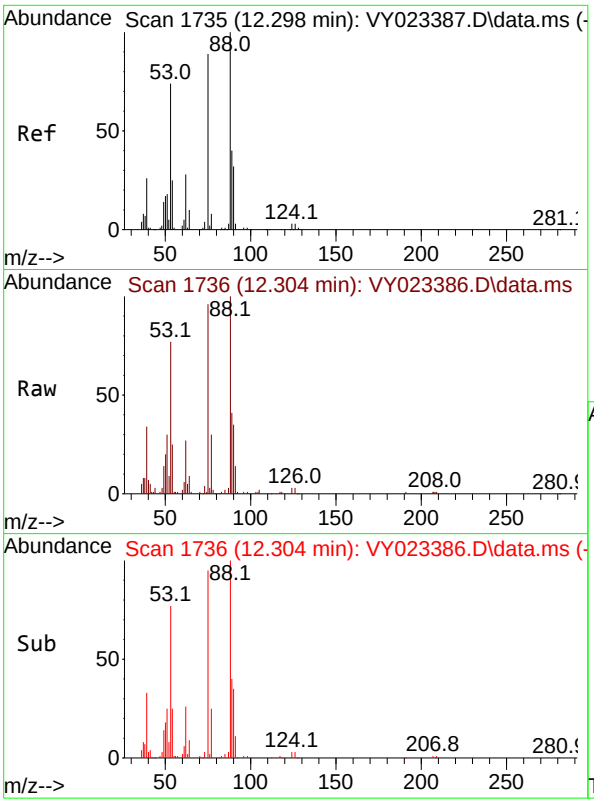


#80
1,3,5-Trimethylbenzene
Concen: 20.208 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:105 Resp: 418684

Ion	Ratio	Lower	Upper
105	100		
120	51.1	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 19.234 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

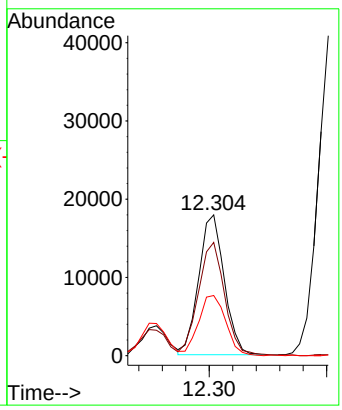
Tgt Ion: 75 Resp: 2692

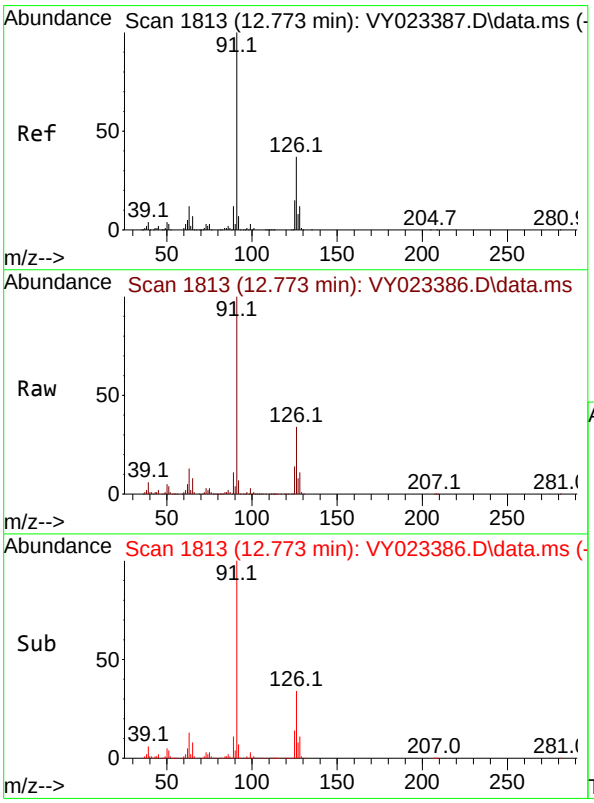
Ion	Ratio	Lower	Upper
75	100		
53	84.4	68.6	102.8
89	46.4	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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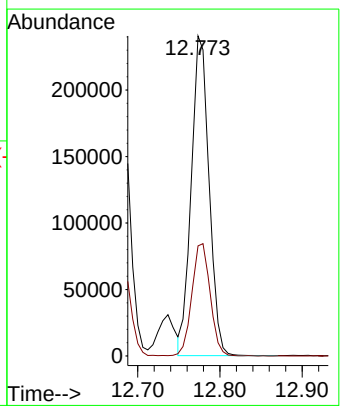


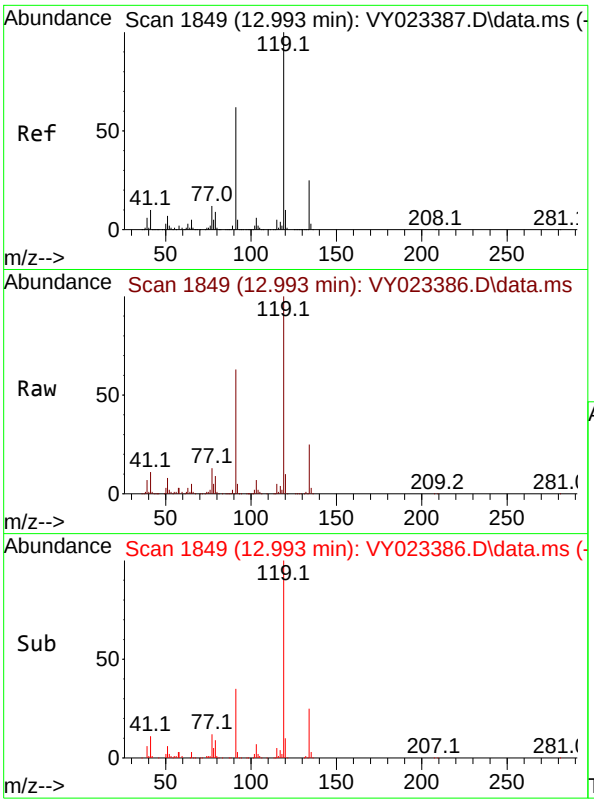


#82
4-Chlorotoluene
Concen: 20.000 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 361458

Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.4	55.4

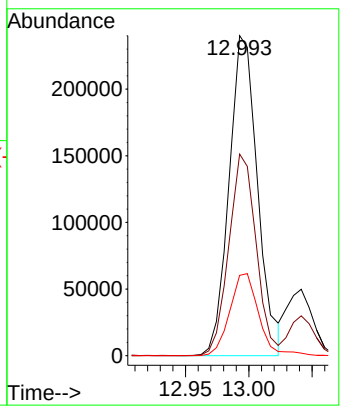




#83
tert-Butylbenzene
Concen: 19.983 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:119 Resp: 37727

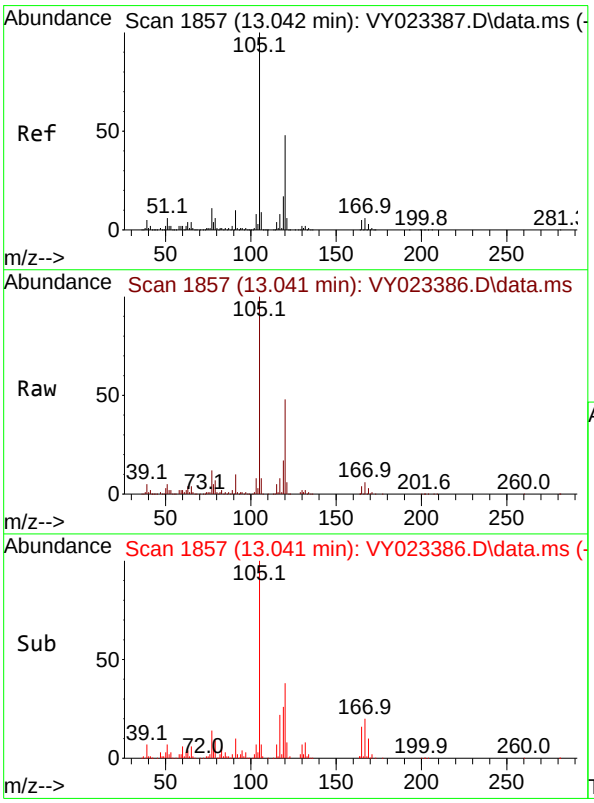
Ion	Ratio	Lower	Upper
119	100		
91	60.4	29.9	89.8
134	26.1	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

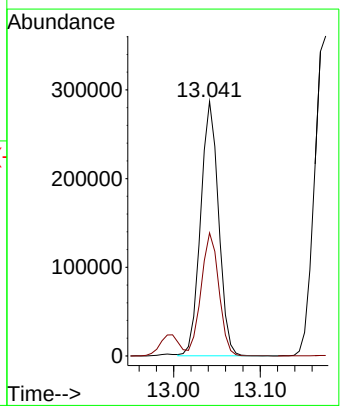
Reviewed By :Semsettin Yesilyurt 10/10/2025
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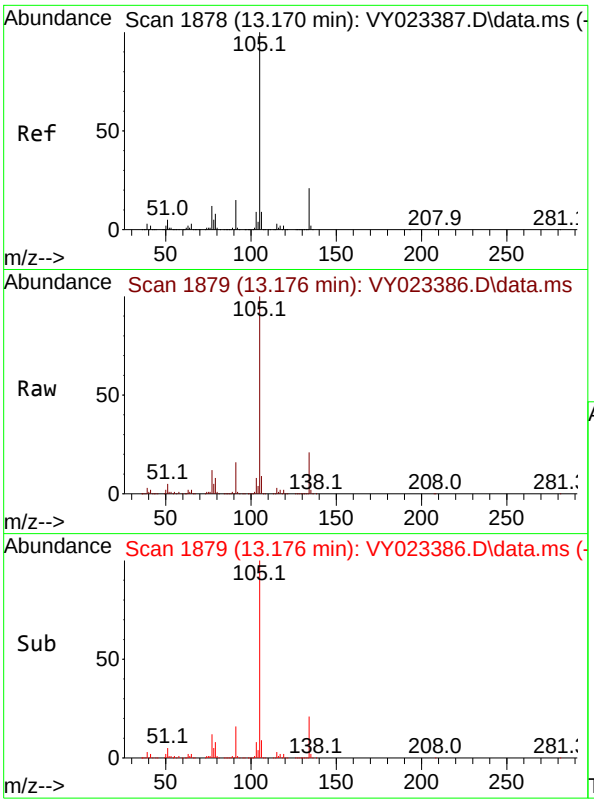


#84
1,2,4-Trimethylbenzene
Concen: 20.162 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:105 Resp: 413292

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.8	71.2

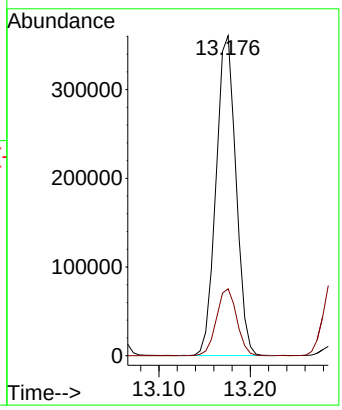




#85
sec-Butylbenzene
Concen: 19.990 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:105 Resp: 54658

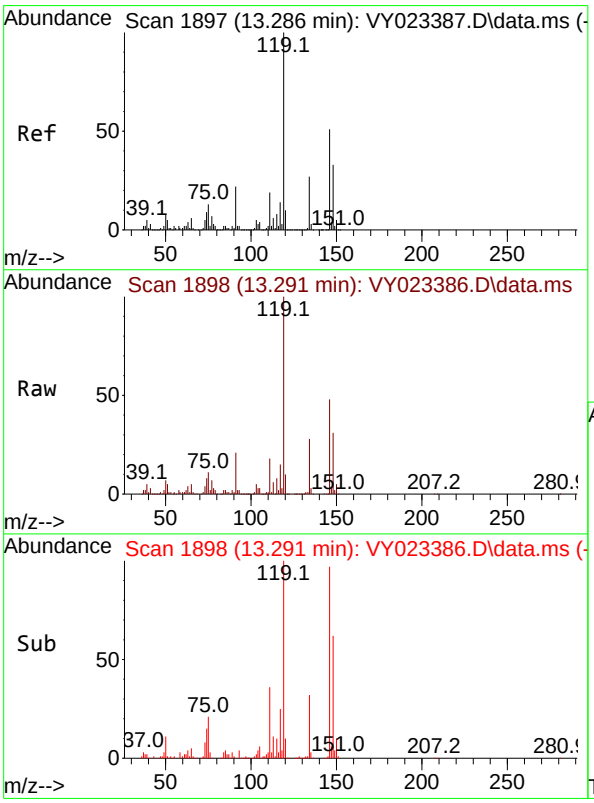
Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

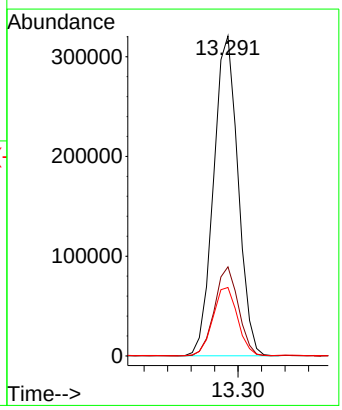
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

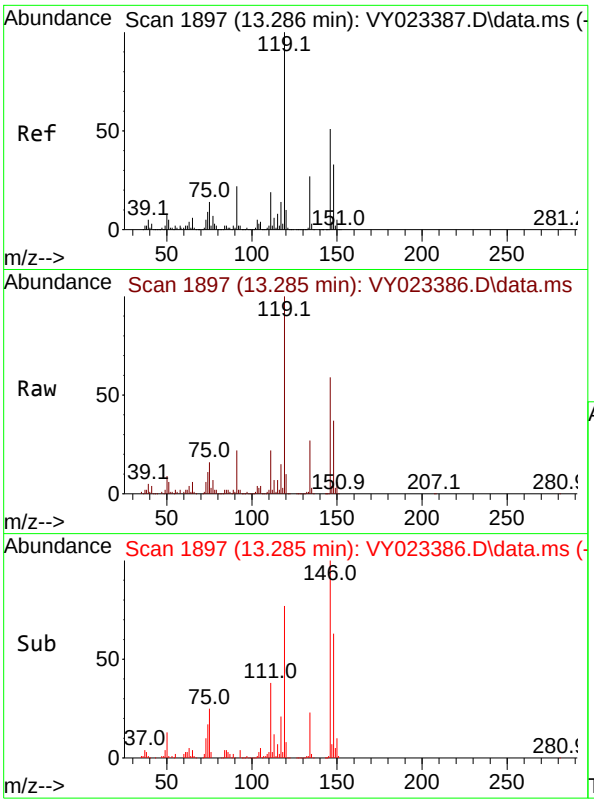


#86
p-Isopropyltoluene
Concen: 20.081 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:119 Resp: 464005

Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.6	40.7
91	21.6	10.9	32.9

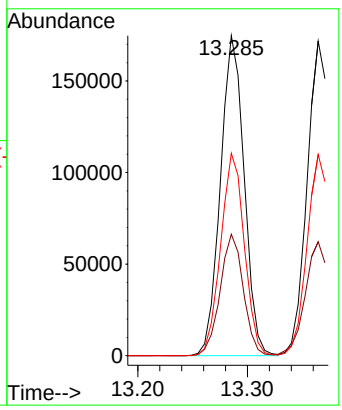




#87
1,3-Dichlorobenzene
Concen: 20.347 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:146 Resp: 26290

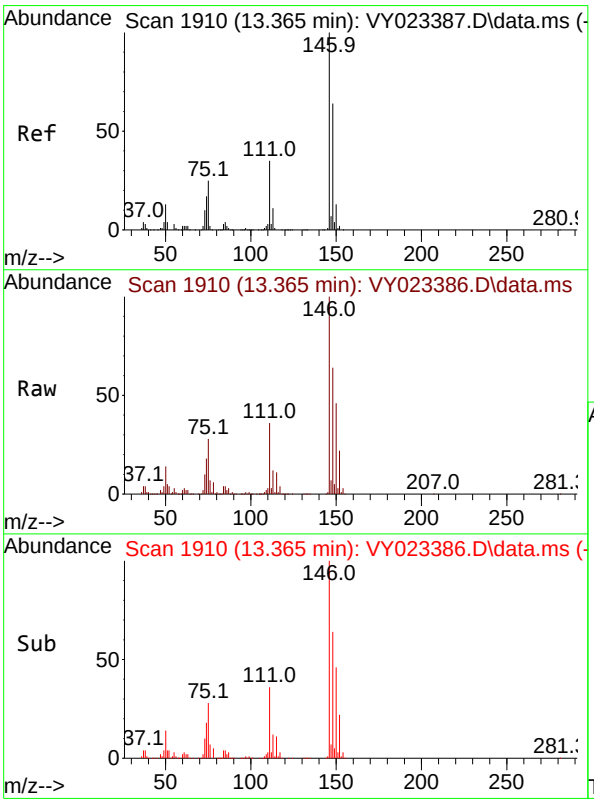
Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	63.1	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

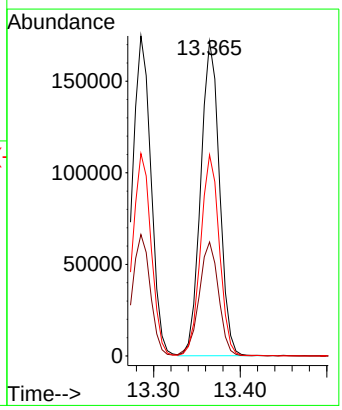
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

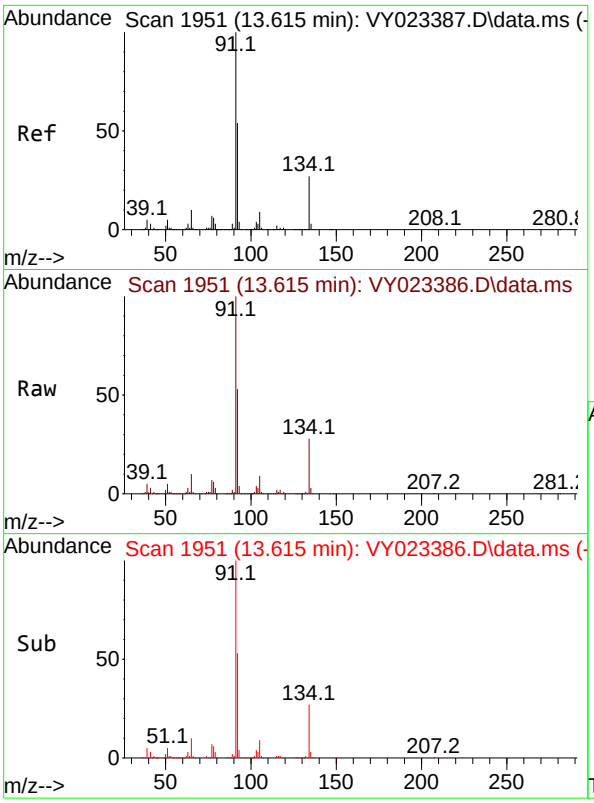


#88
1,4-Dichlorobenzene
Concen: 20.230 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:146 Resp: 259217

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.0	54.0
148	63.6	31.9	95.7

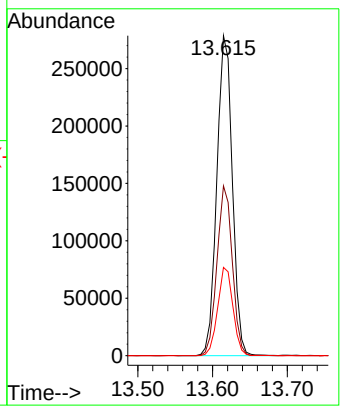




#89
n-Butylbenzene
Concen: 19.697 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 40189

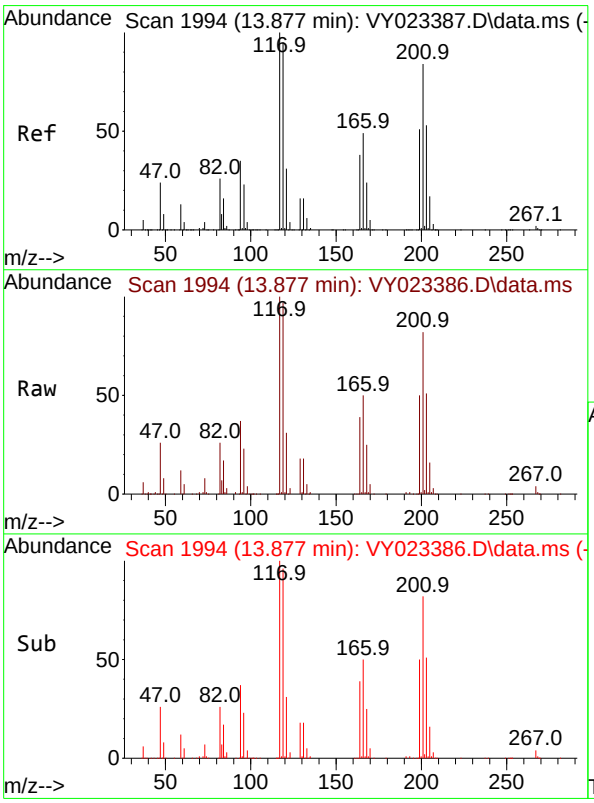
Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.0	80.8
134	27.3	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

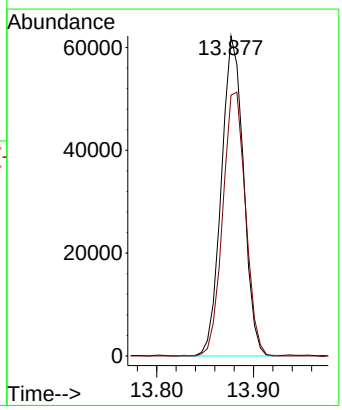
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

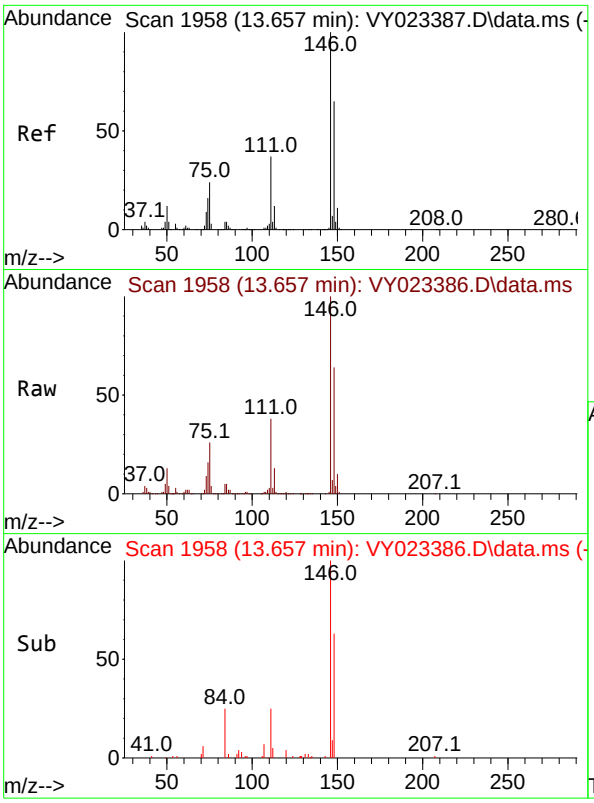


#90
Hexachloroethane
Concen: 19.730 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:117 Resp: 98983

Ion	Ratio	Lower	Upper
117	100		
201	84.8	43.8	131.4

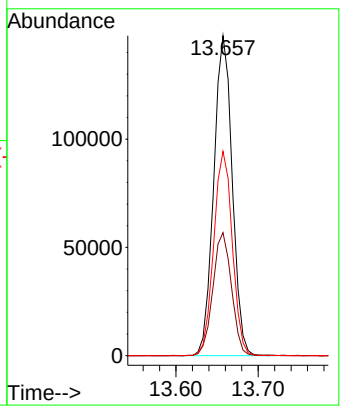




#91
1,2-Dichlorobenzene
Concen: 20.507 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:146 Resp: 23119

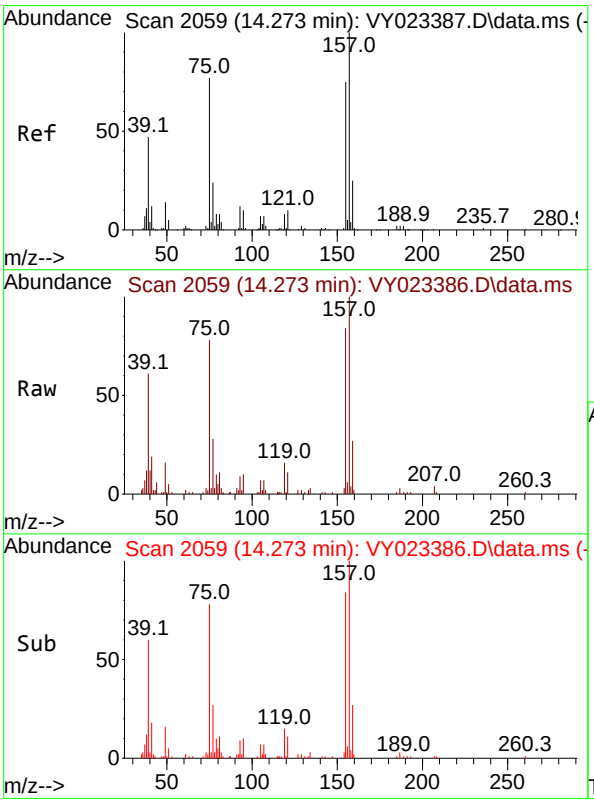
Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.0	57.0
148	64.1	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

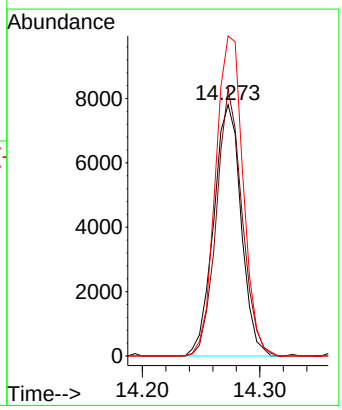
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

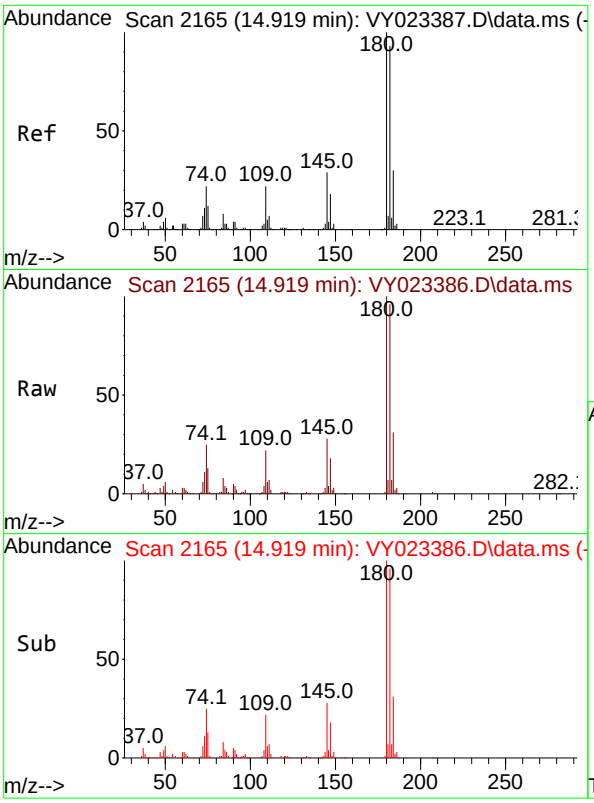


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.802 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 12668

Ion	Ratio	Lower	Upper
75	100		
155	99.1	50.0	150.0
157	127.9	63.8	191.5

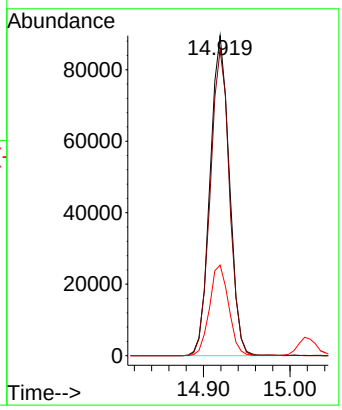




#93
1,2,4-Trichlorobenzene
Concen: 20.770 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:180 Resp: 13796

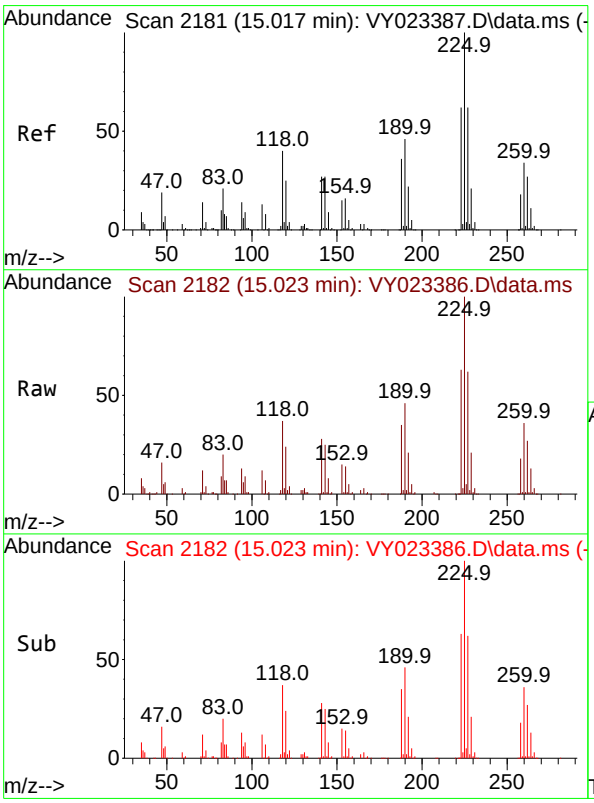
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.6
145	28.3	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

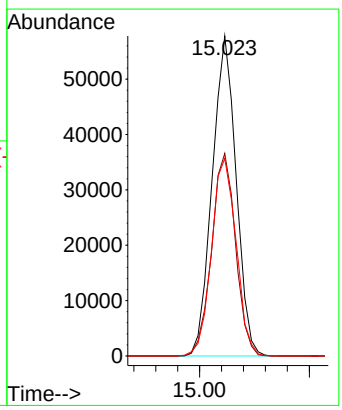
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

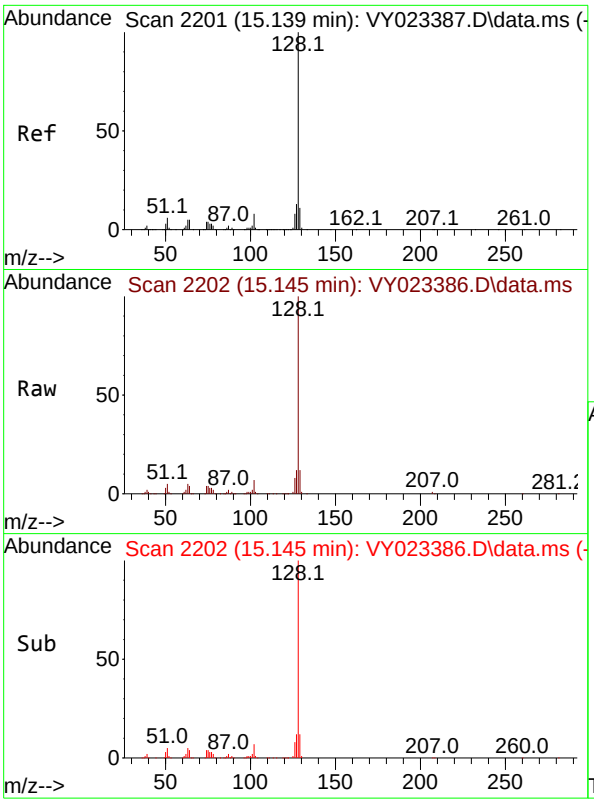


#94
Hexachlorobutadiene
Concen: 21.159 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:225 Resp: 87575

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.8	92.3
227	63.4	31.9	95.7

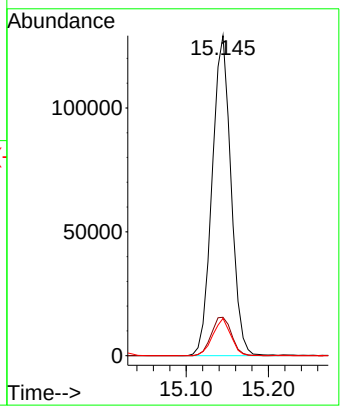




#95
Naphthalene
Concen: 19.467 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:128 Resp: 20601

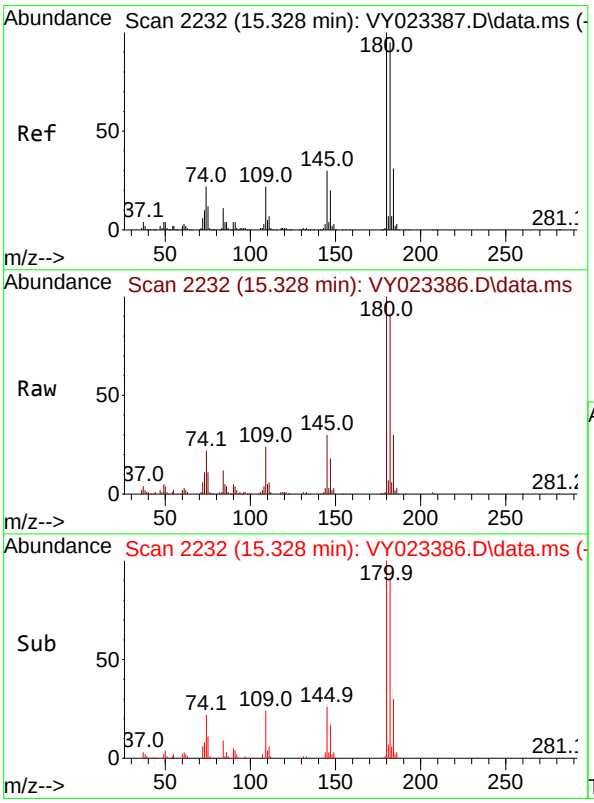
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

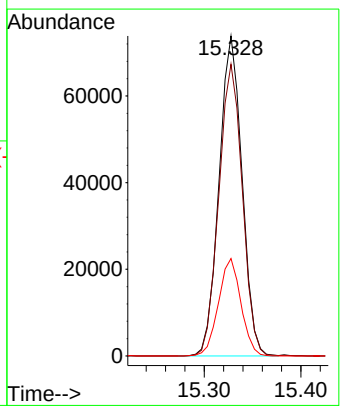
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 21.113 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:180 Resp: 121656

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.9	143.8
145	29.8	15.3	45.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	590340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	858767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	749869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	392169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	231295	45.240	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.480%			
35) Dibromofluoromethane	7.634	113	256331	49.185	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.360%			
50) Toluene-d8	10.103	98	969649	49.334	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.402	95	313426	50.546	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	189467	40.745	ug/l	100
3) Chloromethane	2.068	50	265142	40.113	ug/l	100
4) Vinyl Chloride	2.202	62	352993	42.293	ug/l	100
5) Bromomethane	2.592	94	277005	40.458	ug/l	100
6) Chloroethane	2.733	64	244551	43.157	ug/l	100
7) Trichlorofluoromethane	3.056	101	496981	46.354	ug/l	100
8) Diethyl Ether	3.452	74	126634	45.158	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	258100	45.039	ug/l	100
10) Methyl Iodide	4.001	142	317731	47.979	ug/l	100
11) Tert butyl alcohol	4.860	59	73642	244.793	ug/l	100
12) 1,1-Dichloroethene	3.787	96	252190	45.738	ug/l	100
13) Acrolein	3.647	56	123642	242.575	ug/l	100
14) Allyl chloride	4.379	41	310569	44.989	ug/l	100
15) Acrylonitrile	5.055	53	240668	219.075	ug/l	100
16) Acetone	3.866	43	247122	214.955	ug/l	100
17) Carbon Disulfide	4.104	76	722982	42.028	ug/l	100
18) Methyl Acetate	4.385	43	144816	49.563	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	601934	46.626	ug/l	100
20) Methylene Chloride	4.616	84	270612	43.409	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	277516	45.256	ug/l	100
22) Diisopropyl ether	6.019	45	686481	44.844	ug/l	100
23) Vinyl Acetate	5.958	43	1843784	219.119	ug/l	100
24) 1,1-Dichloroethane	5.915	63	448267	44.423	ug/l	100
25) 2-Butanone	6.890	43	310237	218.327	ug/l	100
26) 2,2-Dichloropropane	6.884	77	416391	46.440	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	320028	46.010	ug/l	100
28) Bromochloromethane	7.244	49	157414	40.211	ug/l	100
29) Tetrahydrofuran	7.262	42	187787	222.653	ug/l	100
30) Chloroform	7.421	83	493098	45.316	ug/l	100
31) Cyclohexane	7.701	56	379644	42.602	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	452713	46.347	ug/l	100
36) 1,1-Dichloropropene	7.835	75	341353	46.424	ug/l	100
37) Ethyl Acetate	6.982	43	129053	44.394	ug/l	100
38) Carbon Tetrachloride	7.817	117	413187	48.374	ug/l	100
39) Methylcyclohexane	9.109	83	452959	48.113	ug/l	100
40) Benzene	8.079	78	1080883	47.154	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	68542	45.399	ug/l		100
42) 1,2-Dichloroethane	8.152	62	270387	46.350	ug/l		100
43) Isopropyl Acetate	8.195	43	259041	45.811	ug/l		100
44) Trichloroethene	8.866	130	315104	48.982	ug/l		100
45) 1,2-Dichloropropane	9.140	63	234978	45.555	ug/l		100
46) Dibromomethane	9.231	93	148914	47.198	ug/l		100
47) Bromodichloromethane	9.420	83	377084	47.482	ug/l		100
48) Methyl methacrylate	9.219	41	126732	48.027	ug/l		100
49) 1,4-Dioxane	9.225	88	34053	1042.312	ug/l		100
51) 4-Methyl-2-Pentanone	9.993	43	682879	235.772	ug/l		100
52) Toluene	10.170	92	710404	48.824	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	330392	48.438	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	390619	47.910	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	198478	47.296	ug/l		100
56) Ethyl methacrylate	10.438	69	239407	49.535	ug/l		100
57) 1,3-Dichloropropane	10.713	76	321276	47.301	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	553816	261.921	ug/l		100
59) 2-Hexanone	10.756	43	479606	239.162	ug/l		100
60) Dibromochloromethane	10.908	129	281047	49.103	ug/l		100
61) 1,2-Dibromoethane	11.012	107	191356	48.468	ug/l		100
64) Tetrachloroethene	10.646	164	392056	52.264	ug/l		100
65) Chlorobenzene	11.438	112	789650	48.460	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	279583	48.788	ug/l		100
67) Ethyl Benzene	11.518	91	1332350	50.099	ug/l		100
68) m/p-Xylenes	11.627	106	1077583	101.092	ug/l		100
69) o-Xylene	11.950	106	502722	50.946	ug/l		100
70) Styrene	11.969	104	831908	51.059	ug/l		100
71) Bromoform	12.127	173	172315	50.229	ug/l	#	100
73) Isopropylbenzene	12.249	105	1301009	49.803	ug/l		100
74) N-amyl acetate	12.066	43	227684	46.640	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	195565	44.878	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	169814m	43.898	ug/l		
77) Bromobenzene	12.530	156	331331	49.419	ug/l		100
78) n-propylbenzene	12.591	91	1522965	49.572	ug/l		100
79) 2-Chlorotoluene	12.676	91	873335	49.235	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	1061112	49.966	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	66299	46.212	ug/l		100
82) 4-Chlorotoluene	12.773	91	892764	48.192	ug/l		100
83) tert-Butylbenzene	12.993	119	988936	51.104	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1061159	50.505	ug/l		100
85) sec-Butylbenzene	13.170	105	1405003	50.133	ug/l		100
86) p-Isopropyltoluene	13.286	119	1210644	51.115	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	649899	49.072	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	636694	48.476	ug/l		100
89) n-Butylbenzene	13.615	91	1051949	50.299	ug/l		100
90) Hexachloroethane	13.877	117	245108	47.664	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	567114	49.075	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32585	47.184	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	359833	52.852	ug/l		100
94) Hexachlorobutadiene	15.017	225	226316	53.346	ug/l		100
95) Naphthalene	15.139	128	575044	53.012	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	310831	52.628	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

ICAL Form

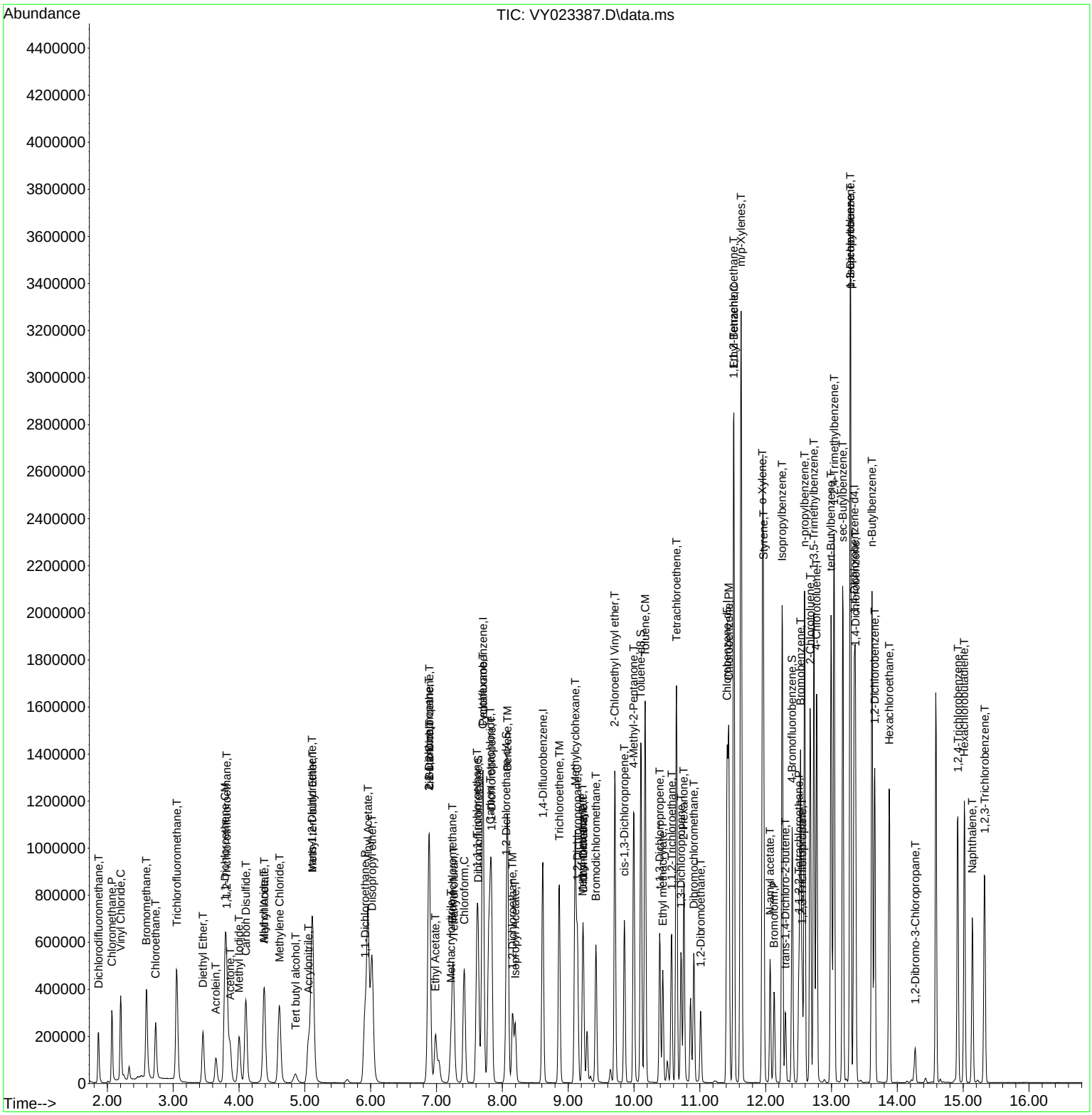
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

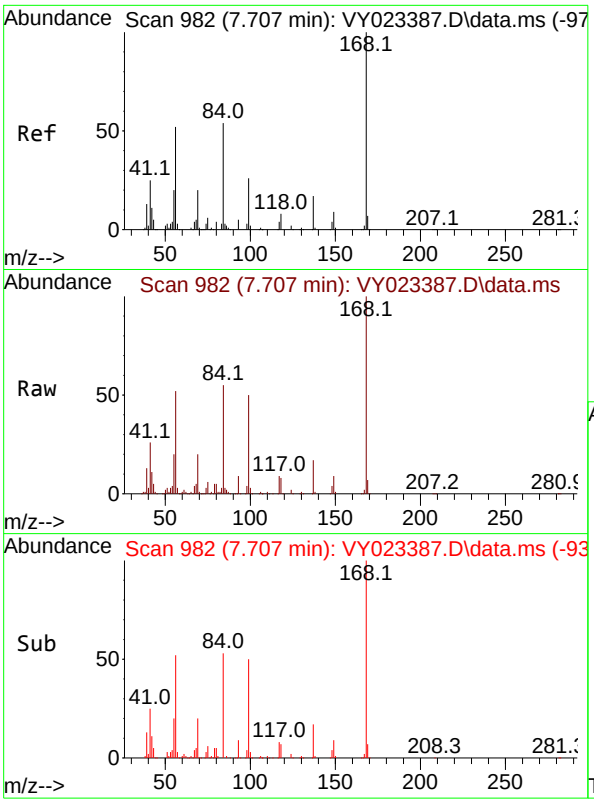
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Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

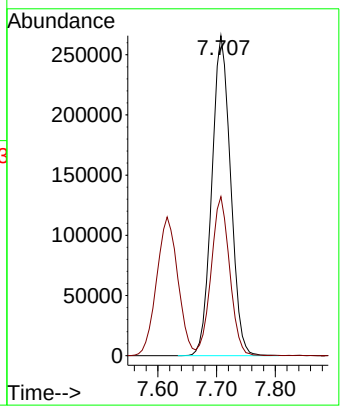




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:168 Resp: 59034

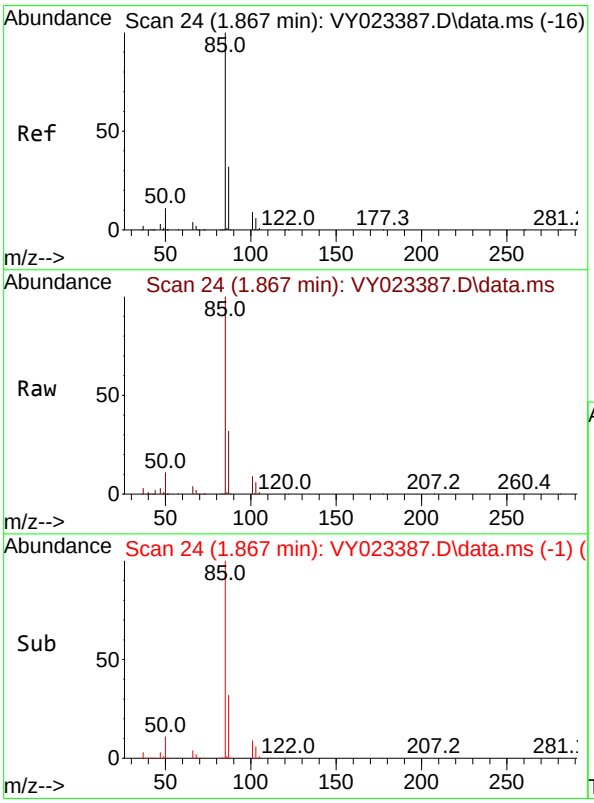
Ion	Ratio	Lower	Upper
168	100		
99	49.6	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

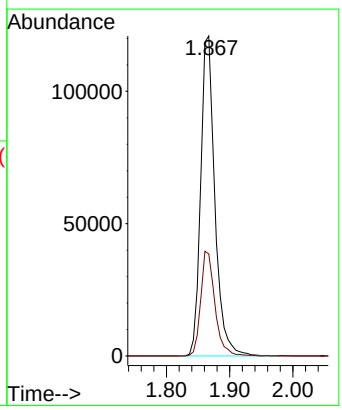
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

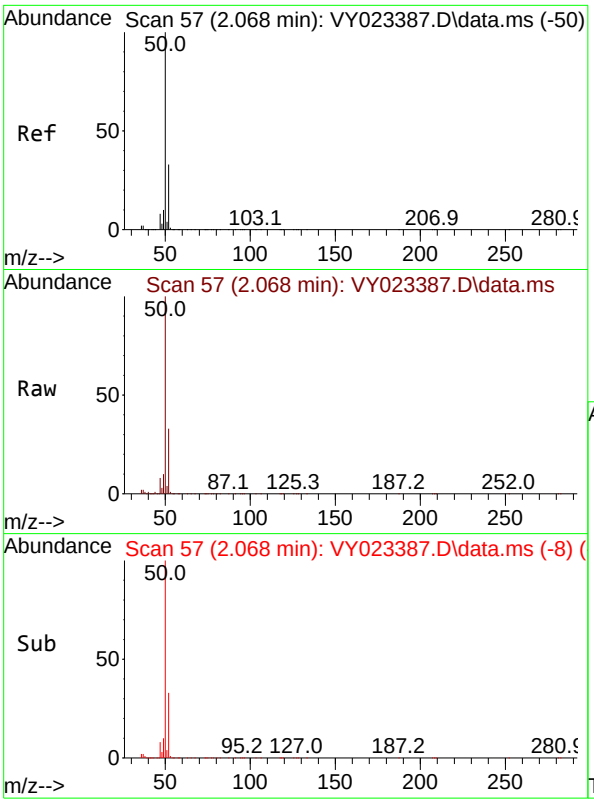


#2
Dichlorodifluoromethane
Concen: 40.745 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 85 Resp: 189467

Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.0	47.9

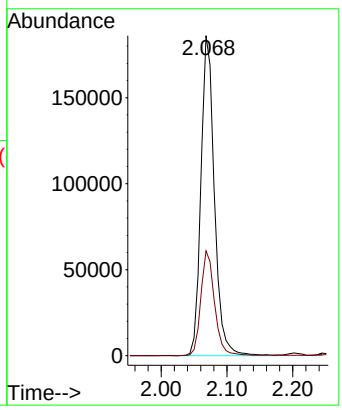




#3
Chloromethane
Concen: 40.113 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 50 Resp: 26514

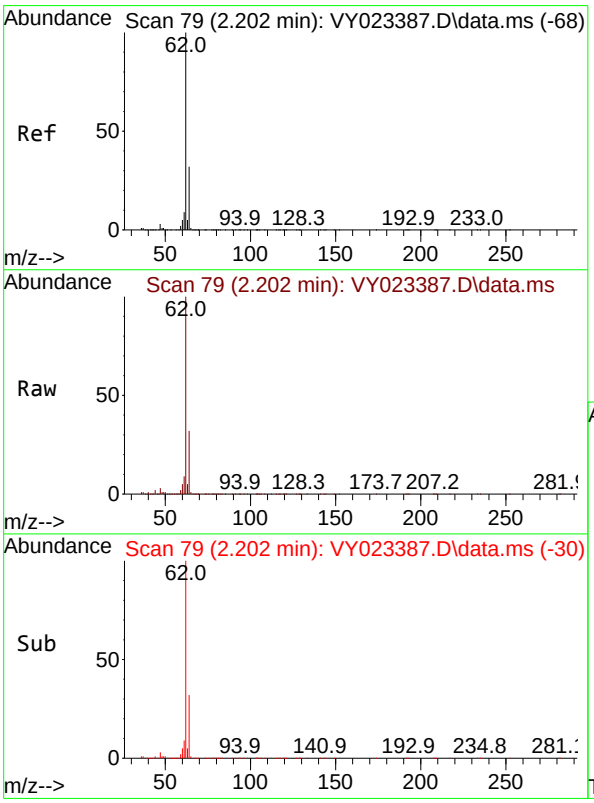
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

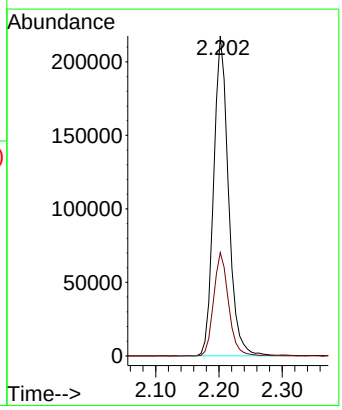
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

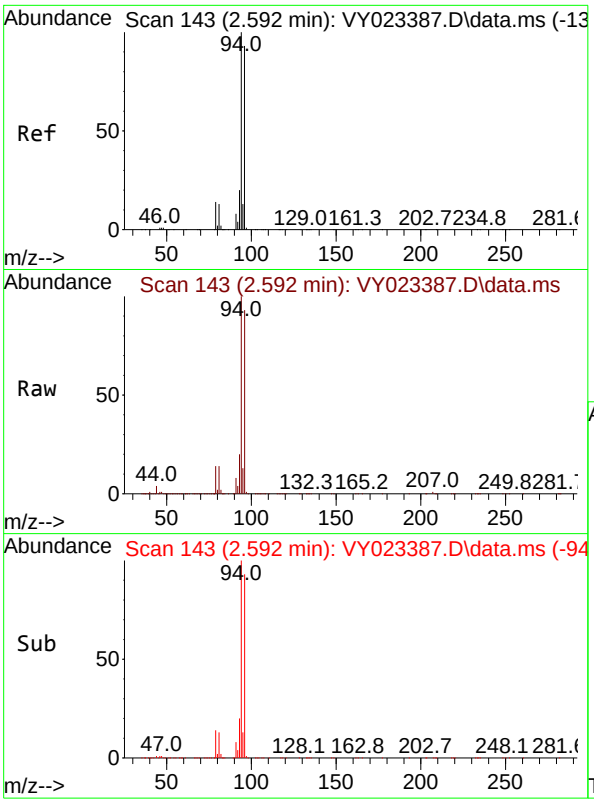


#4
Vinyl Chloride
Concen: 42.293 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 62 Resp: 352993

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.8	38.8

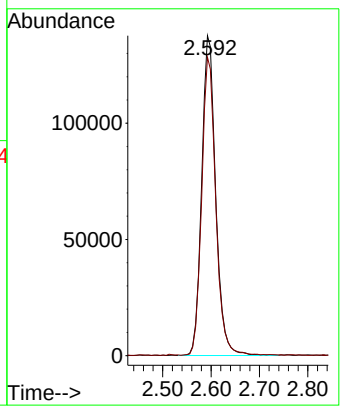




#5
Bromomethane
Concen: 40.458 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 94 Resp: 27700

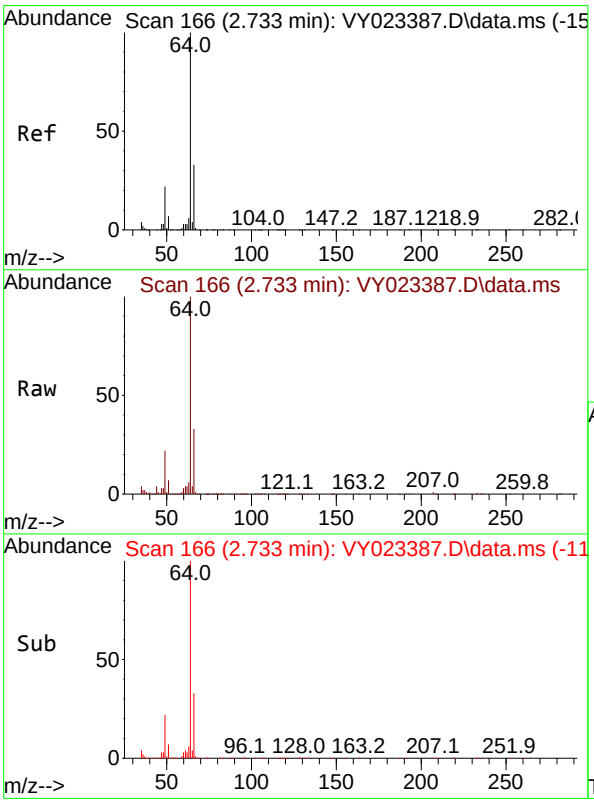
Ion	Ratio	Lower	Upper
94	100		
96	93.1	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

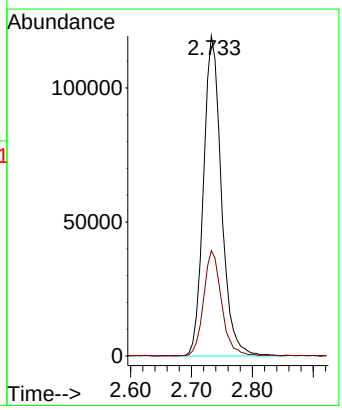
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

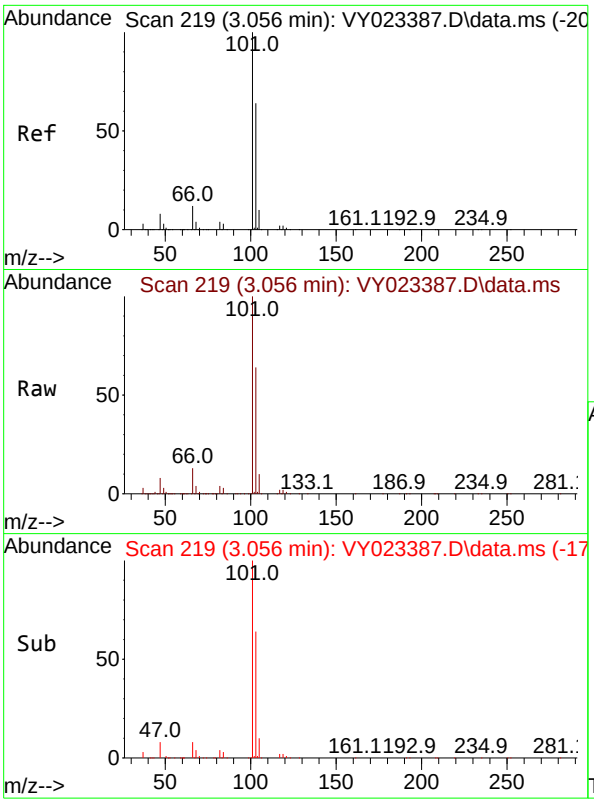


#6
Chloroethane
Concen: 43.157 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 64 Resp: 244551

Ion	Ratio	Lower	Upper
64	100		
66	32.8	26.2	39.4

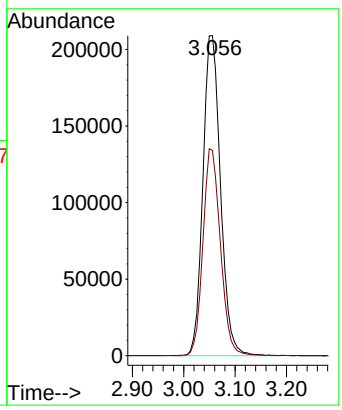




#7
Trichlorofluoromethane
Concen: 46.354 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:101 Resp: 49698

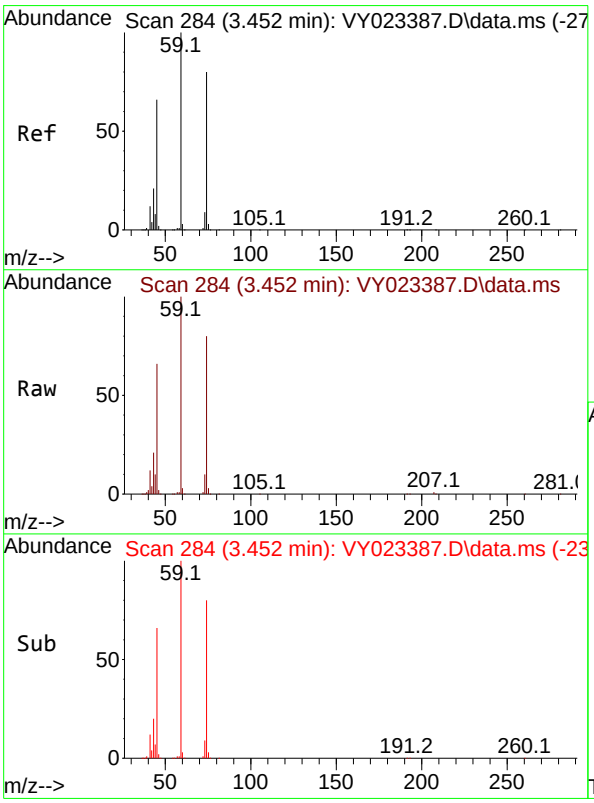
Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

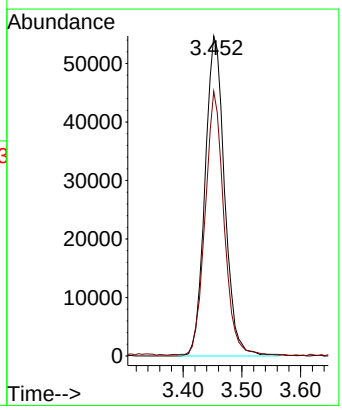
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

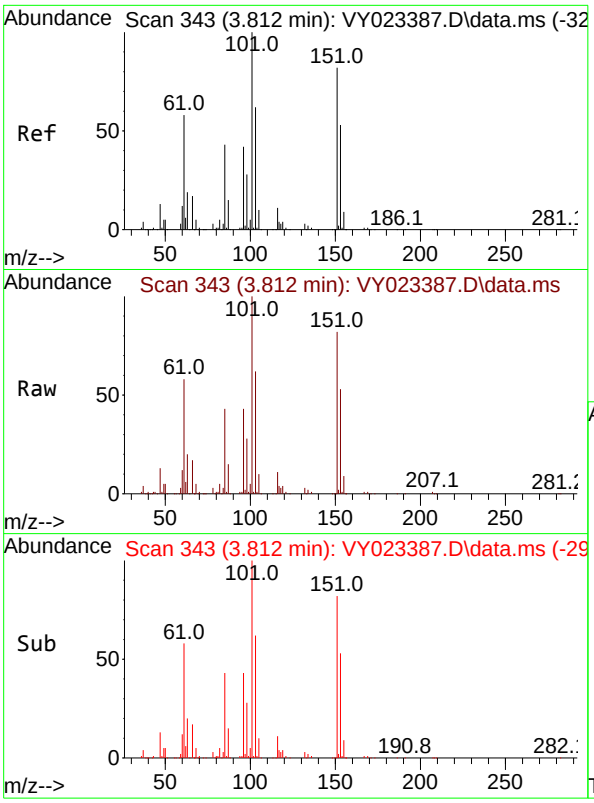


#8
Diethyl Ether
Concen: 45.158 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 74 Resp: 126634

Ion	Ratio	Lower	Upper
74	100		
45	79.8	39.9	119.7

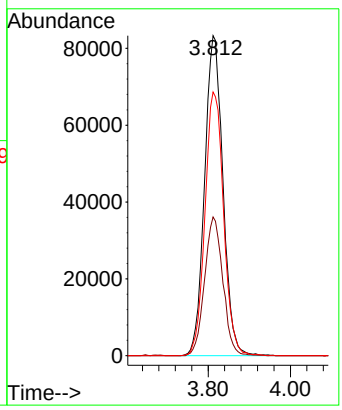




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.039 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:101 Resp: 25810

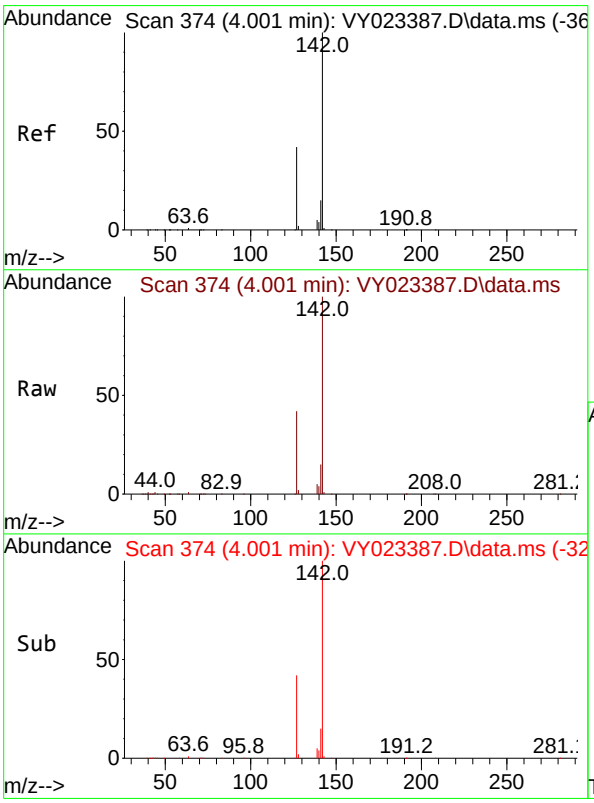
Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	83.8	67.0	100.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

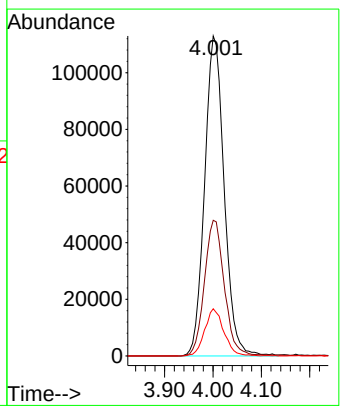
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

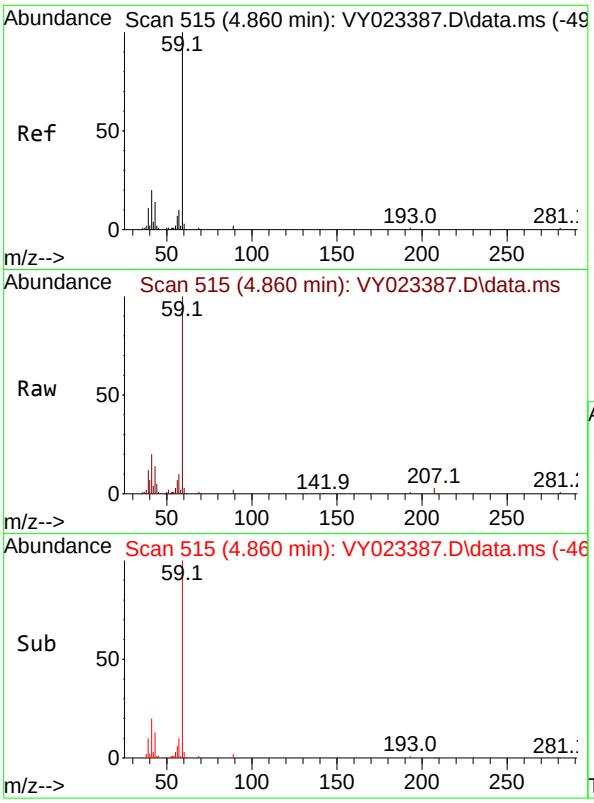


#10
Methyl Iodide
Concen: 47.979 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:142 Resp: 317731

Ion	Ratio	Lower	Upper
142	100		
127	43.5	34.8	52.2
141	14.5	11.6	17.4

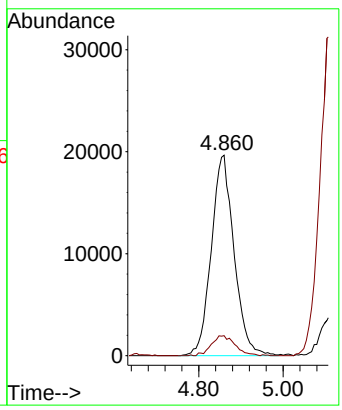




#11
Tert butyl alcohol
Concen: 244.793 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 59 Resp: 7364

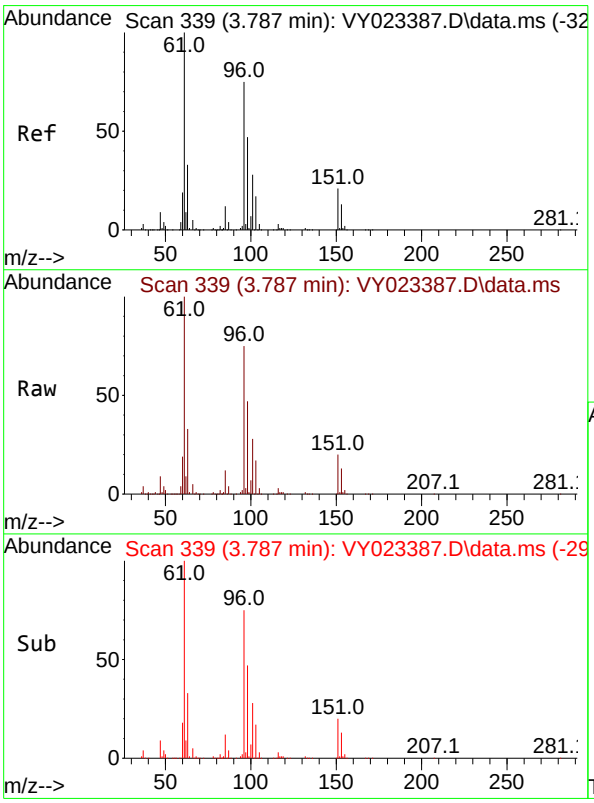
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

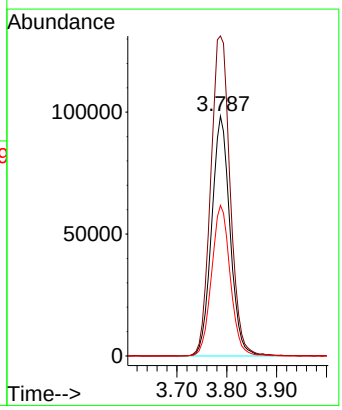
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

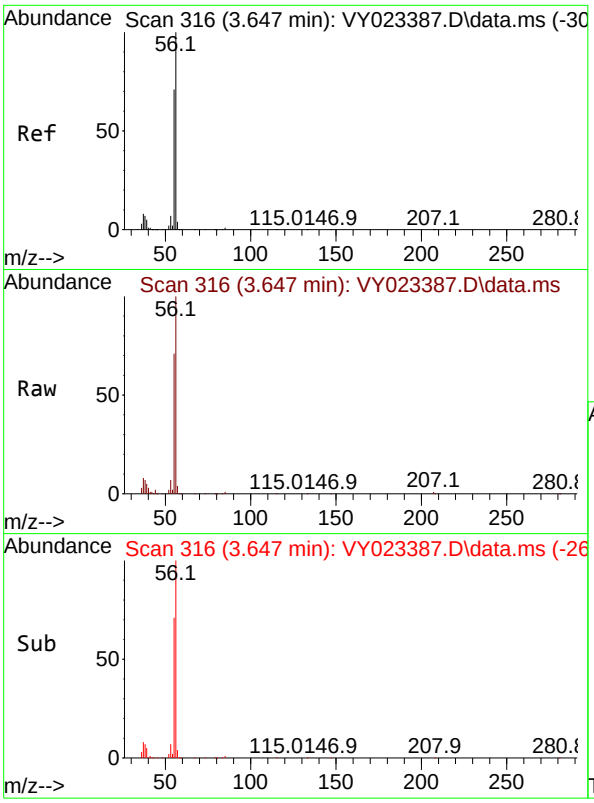


#12
1,1-Dichloroethene
Concen: 45.738 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 96 Resp: 252190

Ion	Ratio	Lower	Upper
96	100		
61	133.4	106.7	160.1
98	62.8	50.2	75.4

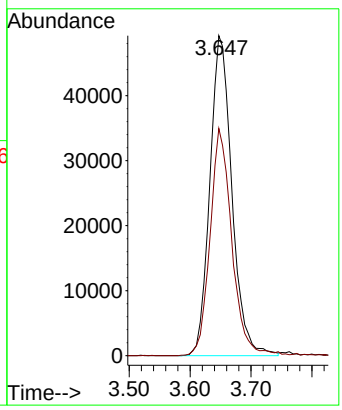




#13
Acrolein
Concen: 242.575 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 56 Resp: 12364

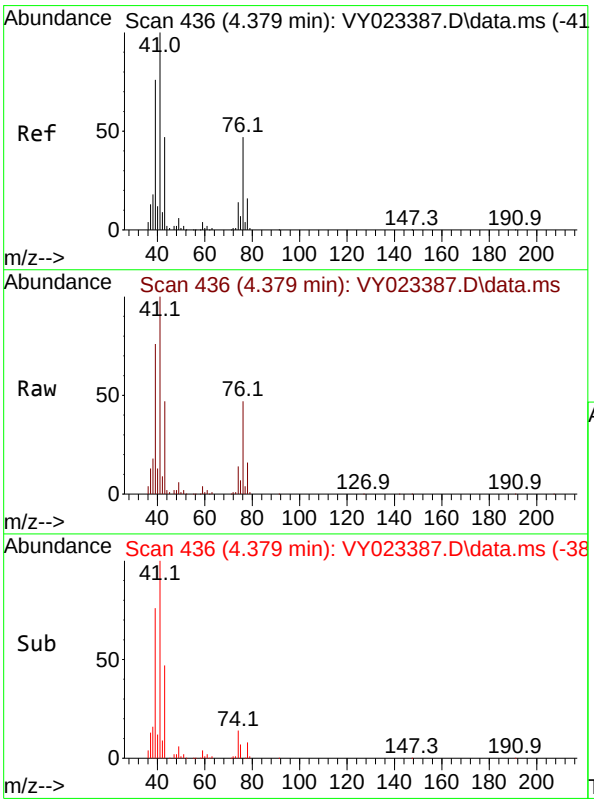
Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

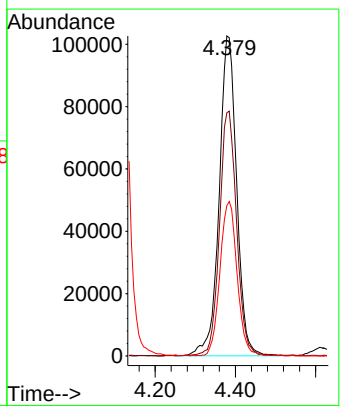
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

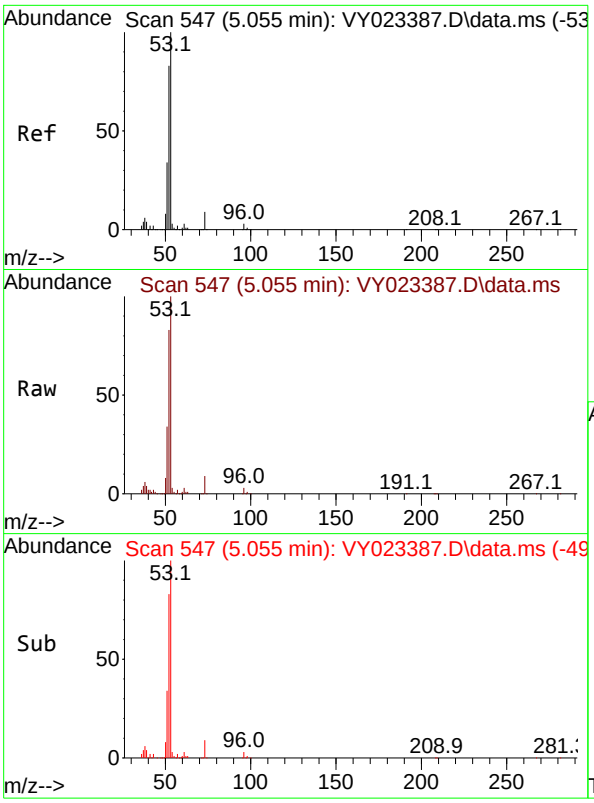


#14
Allyl chloride
Concen: 44.989 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 41 Resp: 310569

Ion	Ratio	Lower	Upper
41	100		
39	74.9	59.9	89.9
76	47.5	38.0	57.0

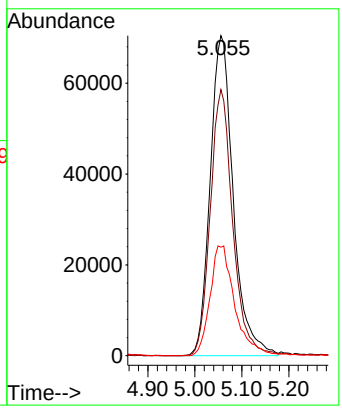




#15
Acrylonitrile
Concen: 219.075 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 53 Resp: 24066

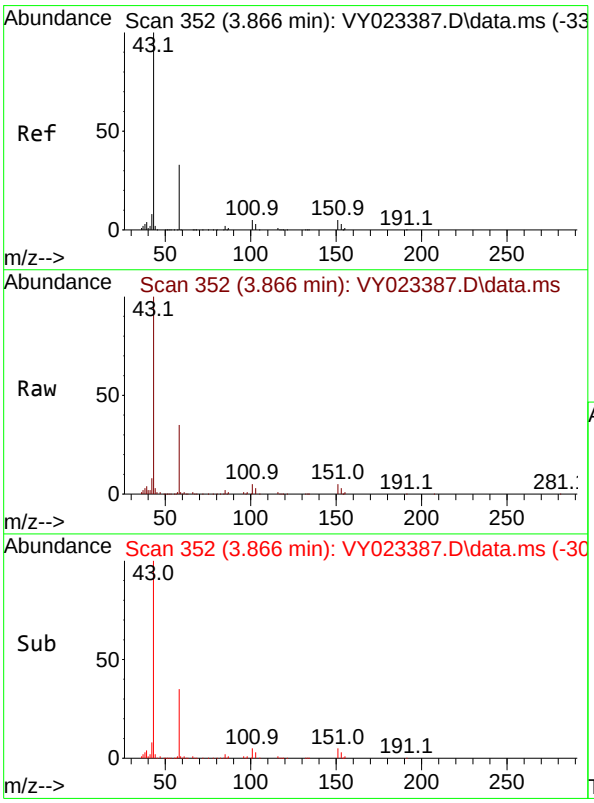
Ion	Ratio	Lower	Upper
53	100		
52	80.8	64.6	97.0
51	36.9	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

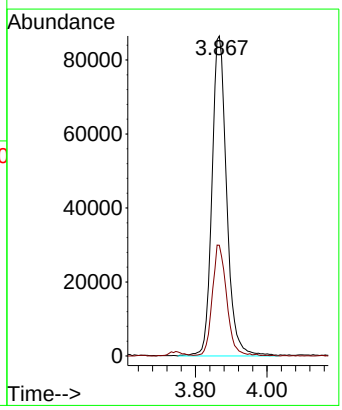
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

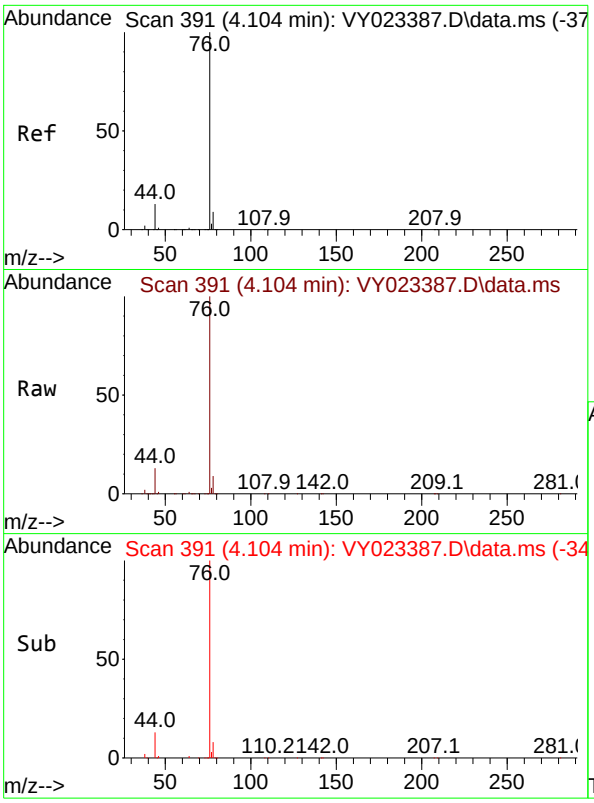


#16
Acetone
Concen: 214.955 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 247122

Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.7	41.5





#17
Carbon Disulfide
Concen: 42.028 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

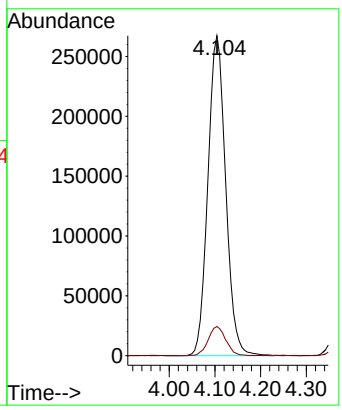
Tgt Ion: 76 Resp: 72298

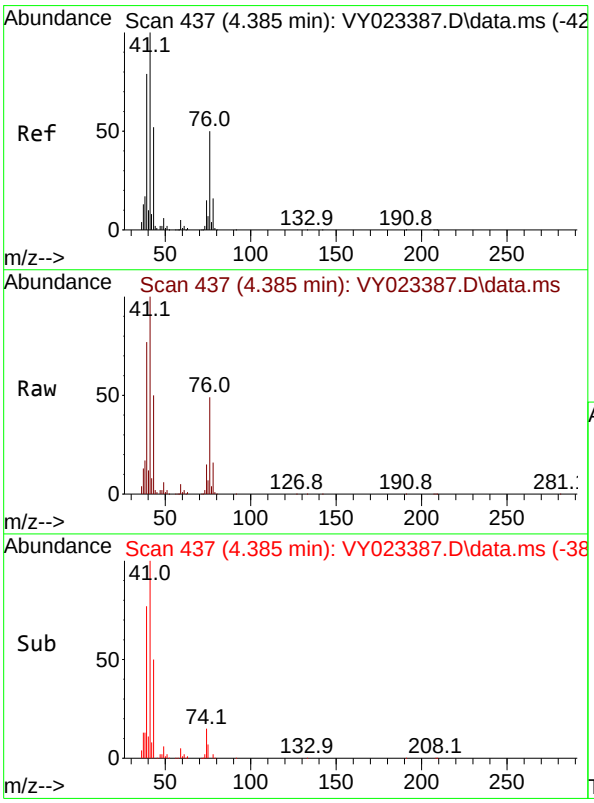
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

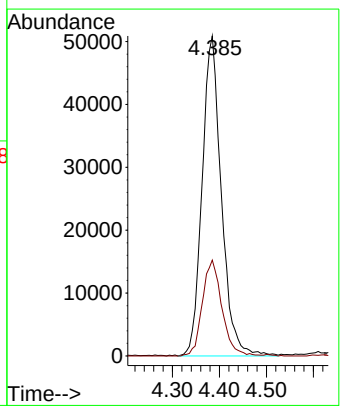


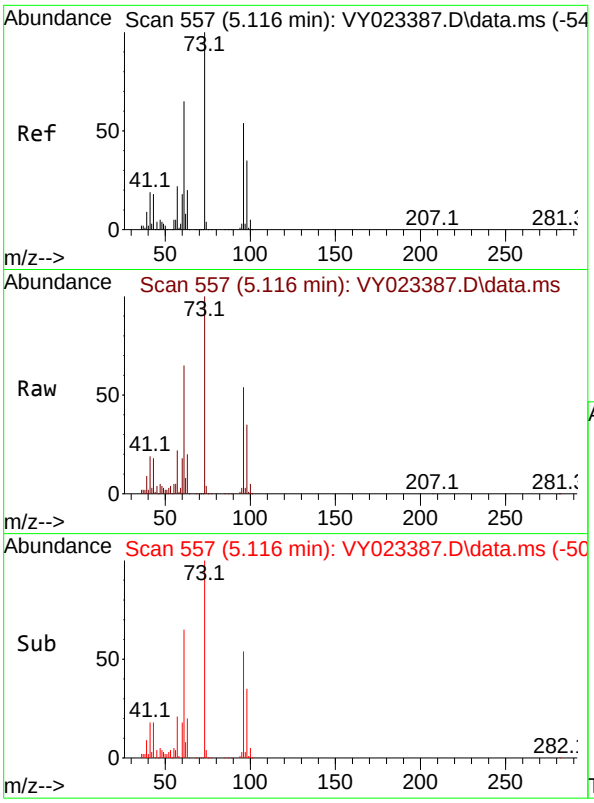


#18
Methyl Acetate
Concen: 49.563 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 144816

Ion	Ratio	Lower	Upper
43	100		
74	30.3	24.2	36.4

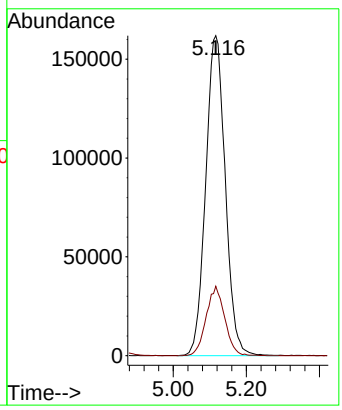




#19
Methyl tert-butyl Ether
Concen: 46.626 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 73 Resp: 60193

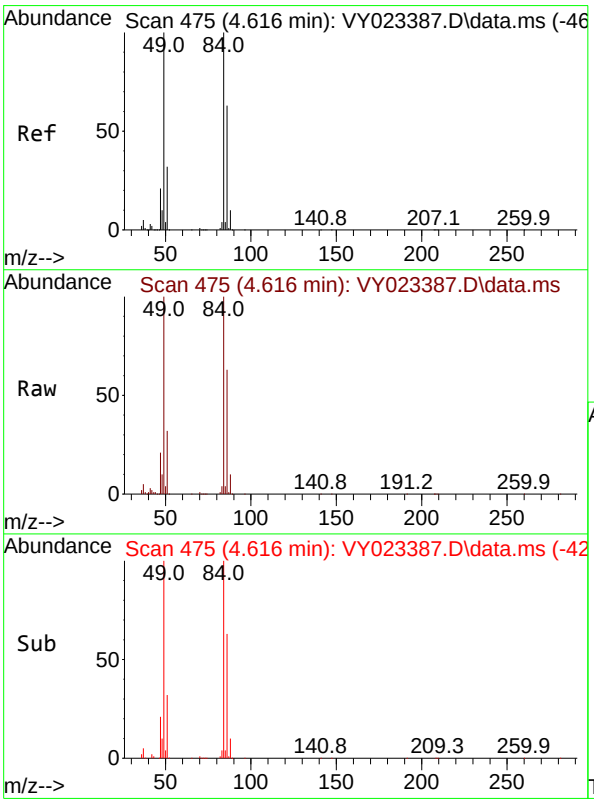
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

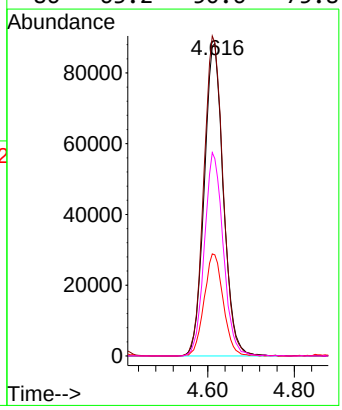
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

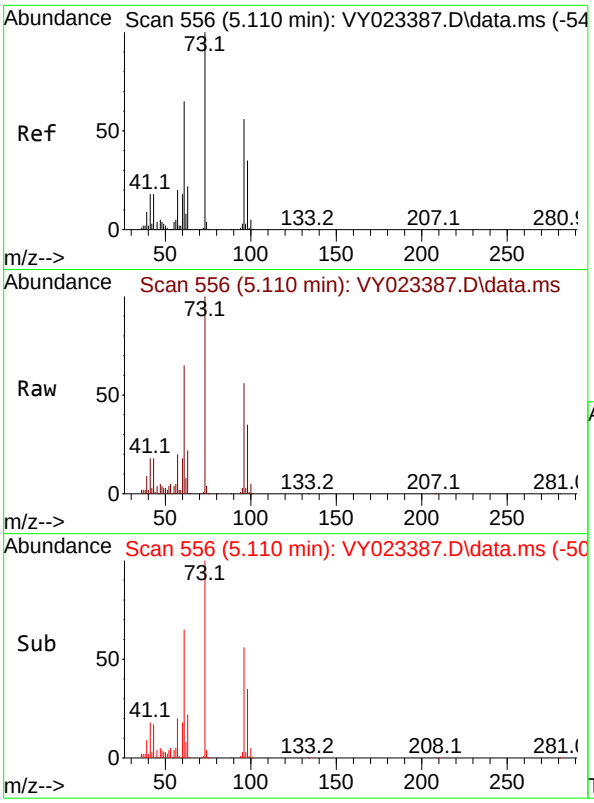


#20
Methylene Chloride
Concen: 43.409 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 84 Resp: 270612

Ion	Ratio	Lower	Upper
84	100		
49	100.3	80.2	120.4
51	32.4	25.9	38.9
86	63.2	50.6	75.8

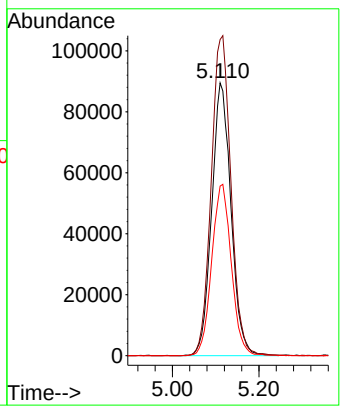




#21
trans-1,2-Dichloroethene
Concen: 45.256 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 96 Resp: 27751

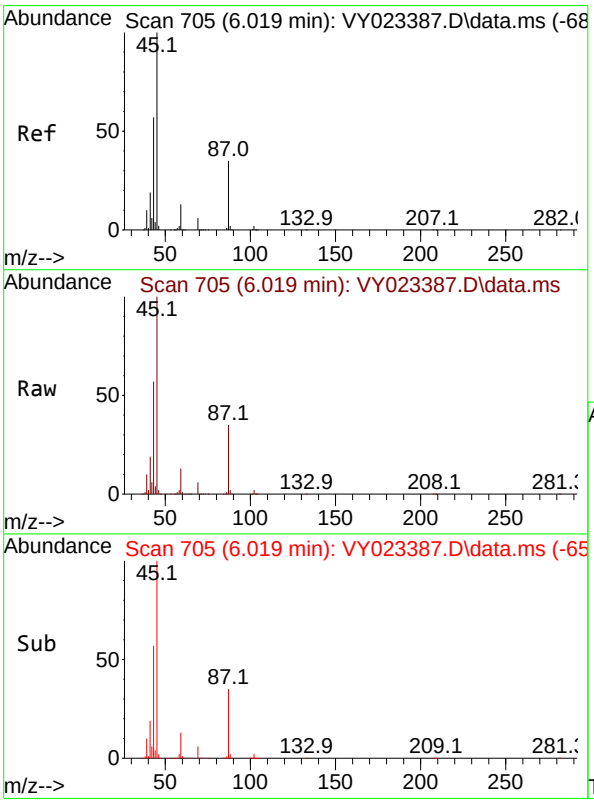
Ion	Ratio	Lower	Upper
96	100		
61	115.9	92.7	139.1
98	62.1	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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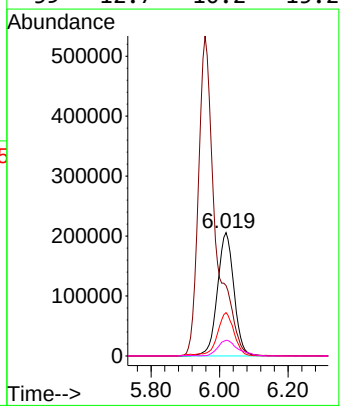
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

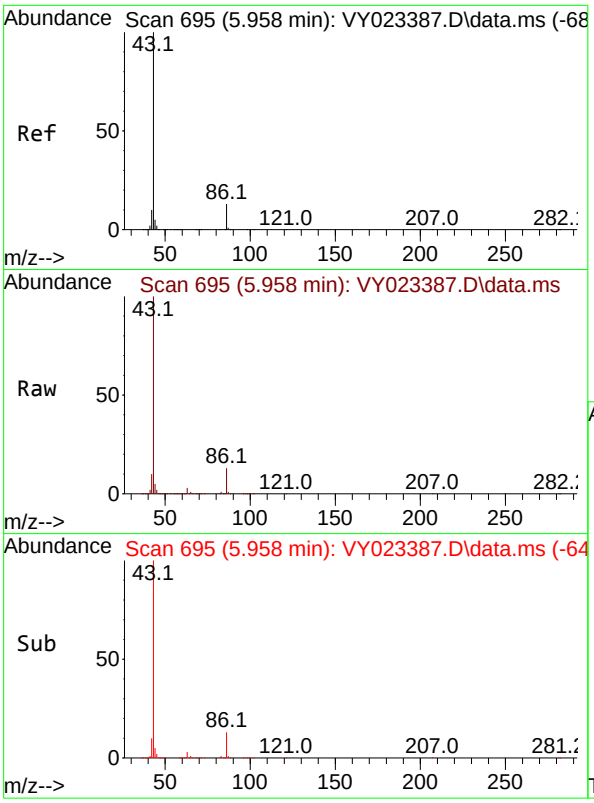


#22
Diisopropyl ether
Concen: 44.844 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 45 Resp: 686481

Ion	Ratio	Lower	Upper
45	100		
43	57.0	45.6	68.4
87	35.1	28.1	42.1
59	12.7	10.2	15.2

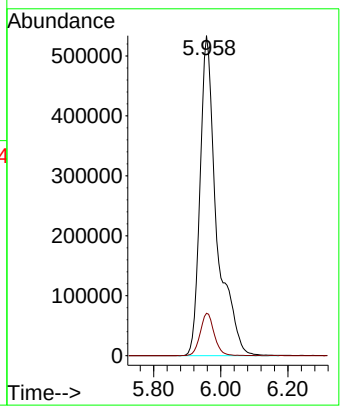




#23
Vinyl Acetate
Concen: 219.119 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 184378

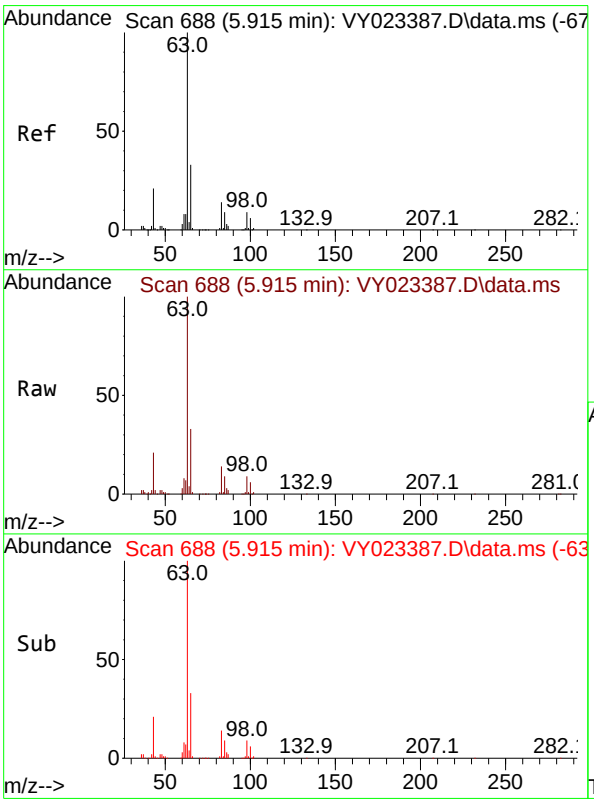
Ion	Ratio	Lower	Upper
43	100		
86	13.2	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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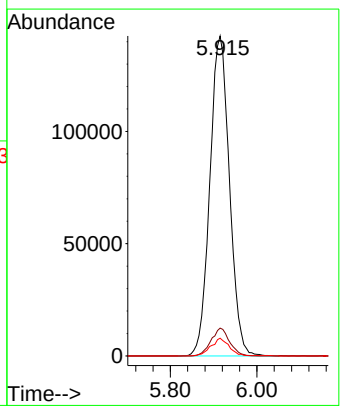
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

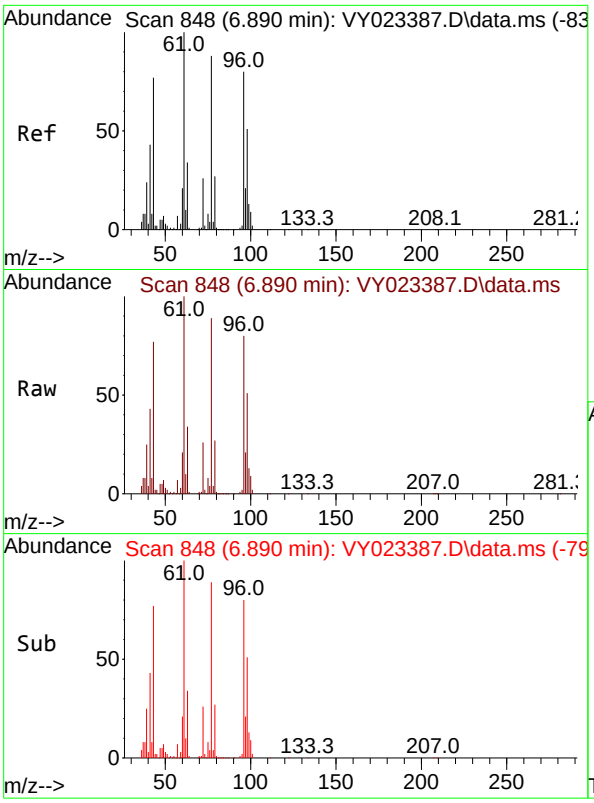


#24
1,1-Dichloroethane
Concen: 44.423 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 63 Resp: 448267

Ion	Ratio	Lower	Upper
63	100		
98	8.7	4.3	13.1
100	5.6	2.8	8.4





#25
2-Butanone
Concen: 218.327 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

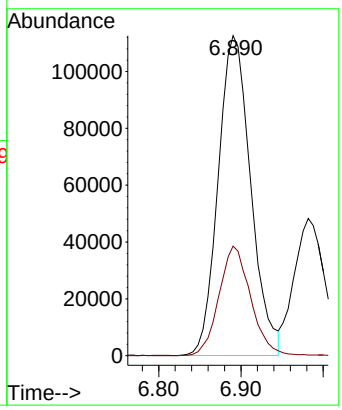
Tgt Ion: 43 Resp: 31023

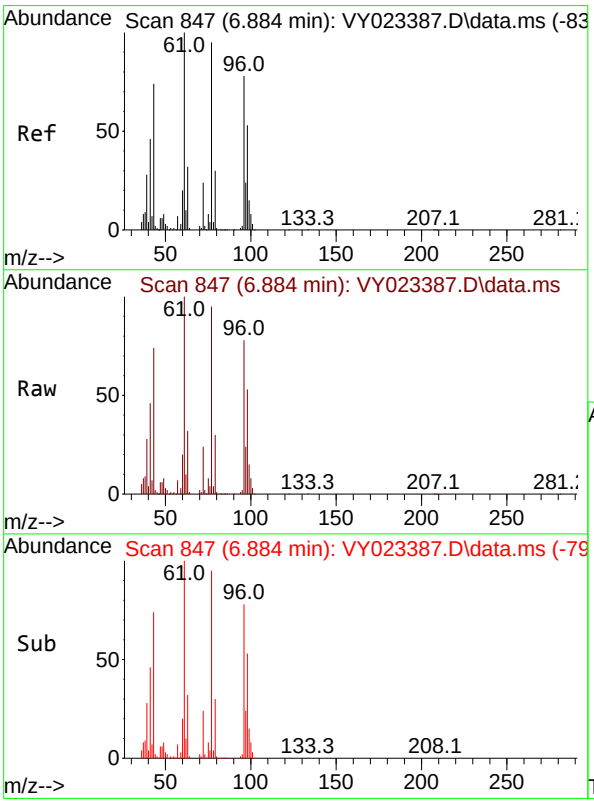
Ion	Ratio	Lower	Upper
43	100		
72	34.3	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

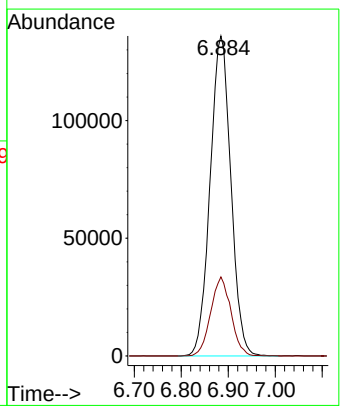


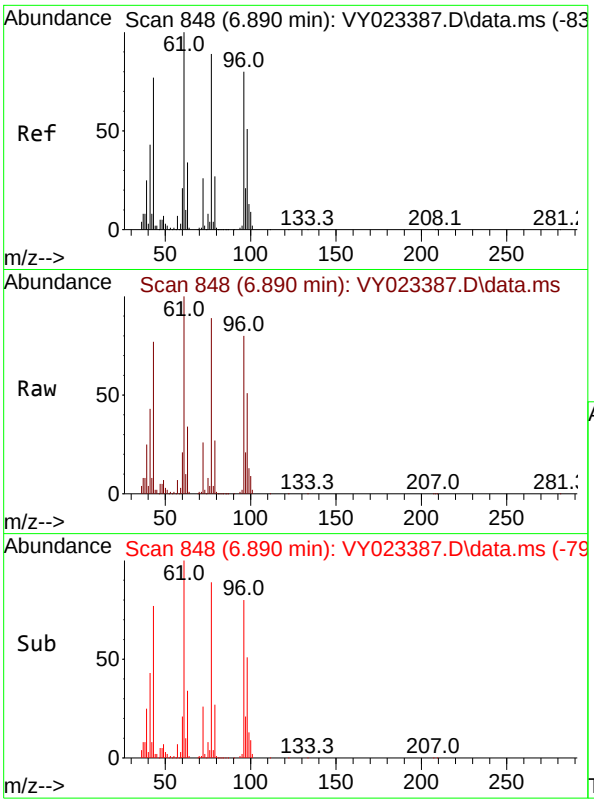


#26
2,2-Dichloropropane
Concen: 46.440 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 77 Resp: 416391

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 46.010 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

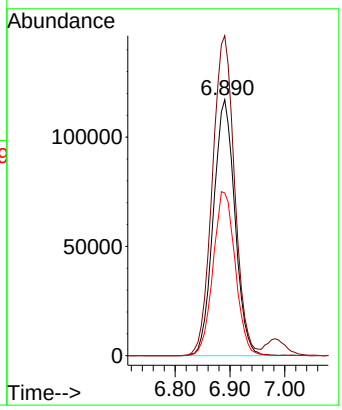
Tgt Ion: 96 Resp: 32002

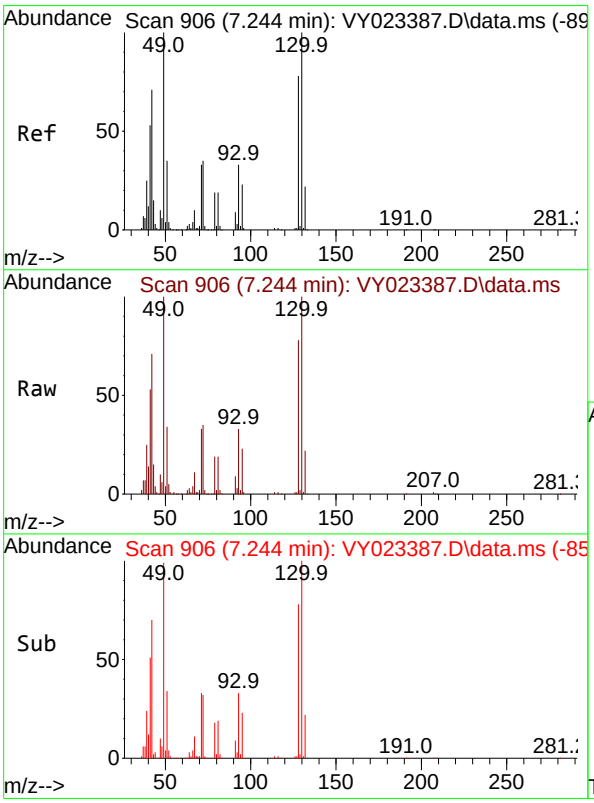
Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	258.2
98	66.0	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

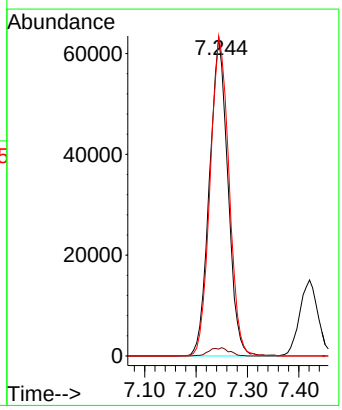


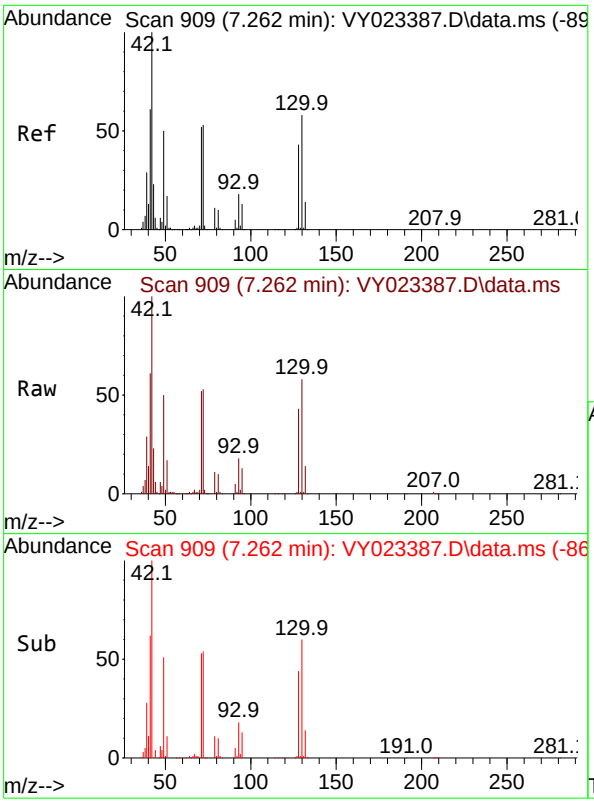


#28
Bromochloromethane
Concen: 40.211 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 49 Resp: 157414

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	102.4	81.9	122.9

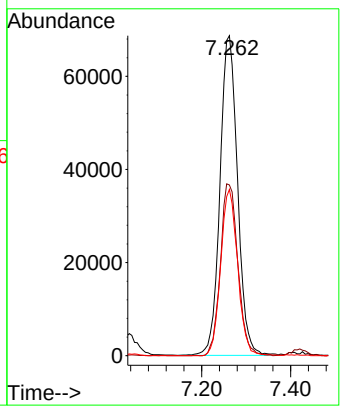




#29
Tetrahydrofuran
Concen: 222.653 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 42 Resp: 18778

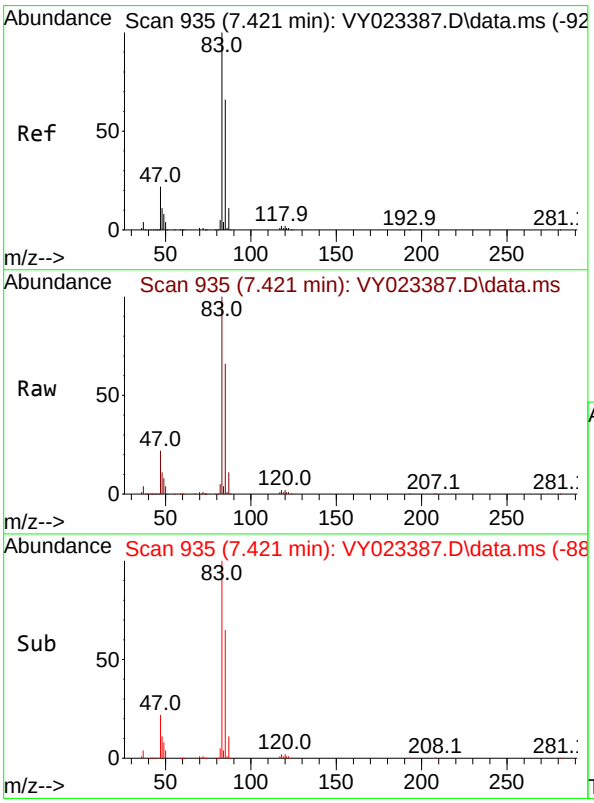
Ion	Ratio	Lower	Upper
42	100		
72	53.8	43.0	64.6
71	50.1	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

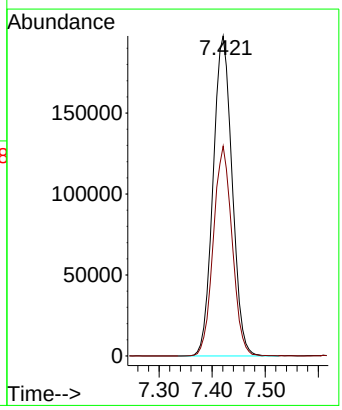
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

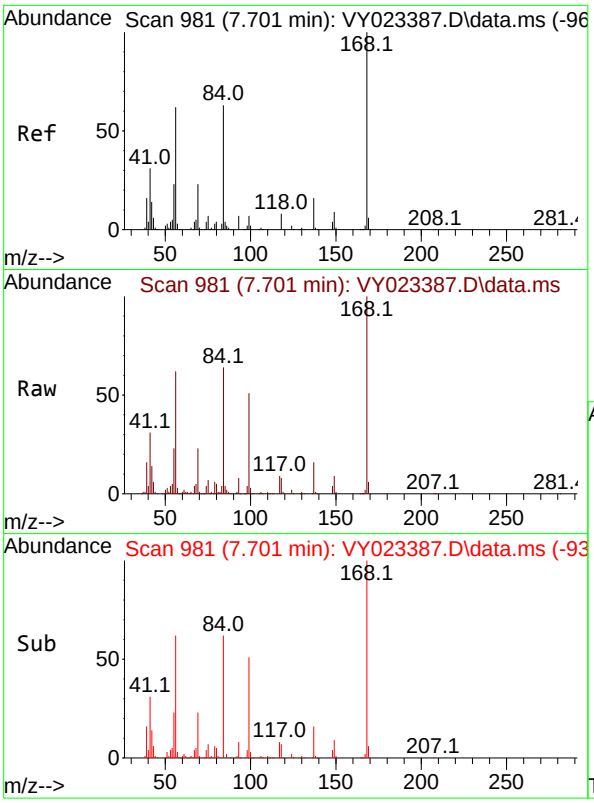


#30
Chloroform
Concen: 45.316 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 83 Resp: 493098

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7





#31
Cyclohexane
Concen: 42.602 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

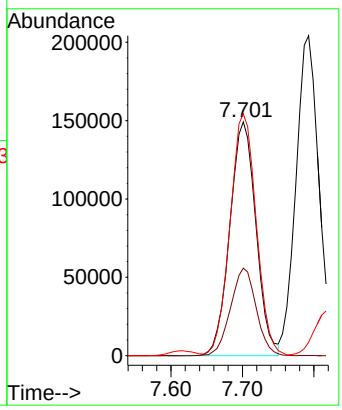
Tgt Ion: 56 Resp: 37964

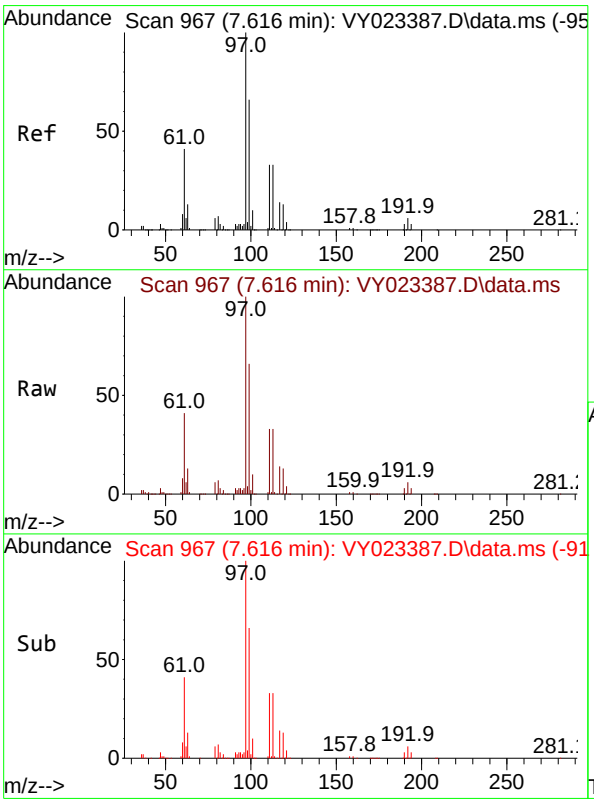
Ion	Ratio	Lower	Upper
56	100		
69	37.5	30.0	45.0
84	101.5	81.2	121.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

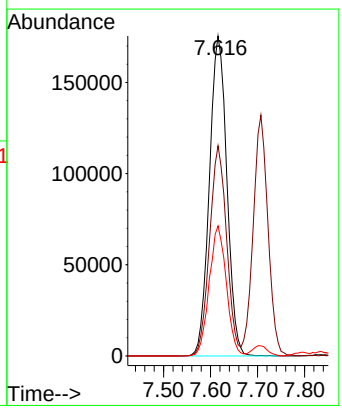


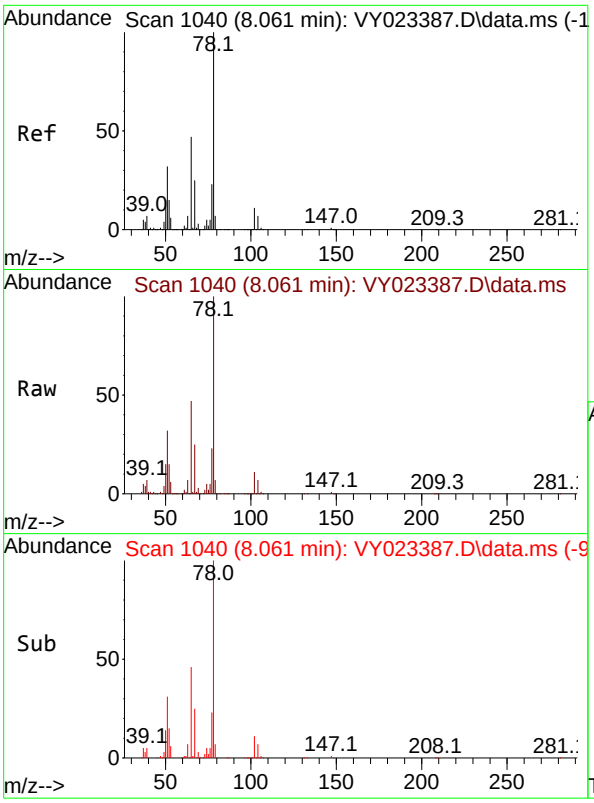


#32
1,1,1-Trichloroethane
Concen: 46.347 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 97 Resp: 452713

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	39.9	31.9	47.9

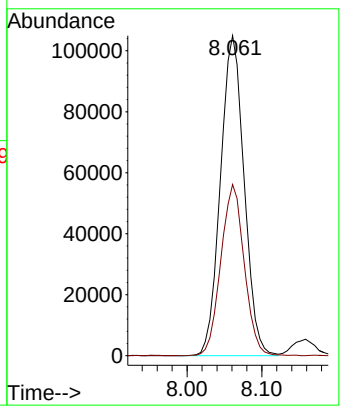




#33
1,2-Dichloroethane-d4
Concen: 45.240 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 65 Resp: 23129

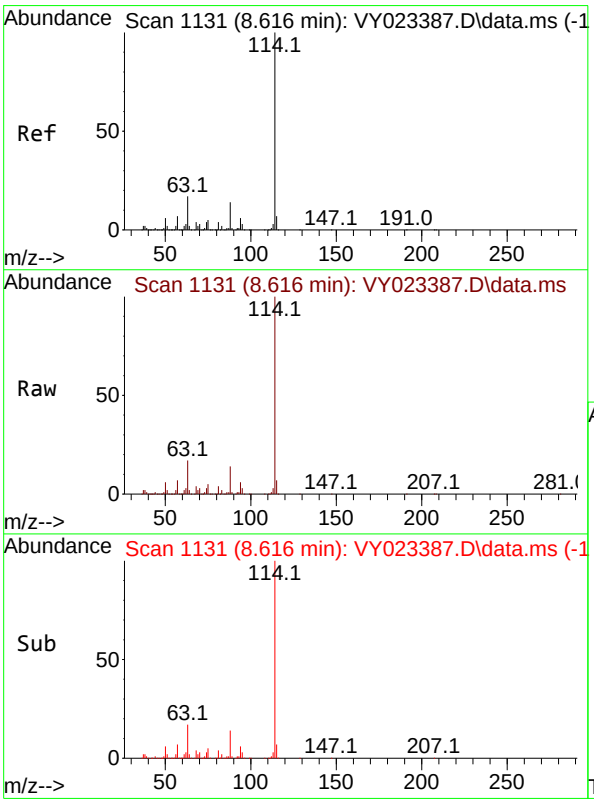
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

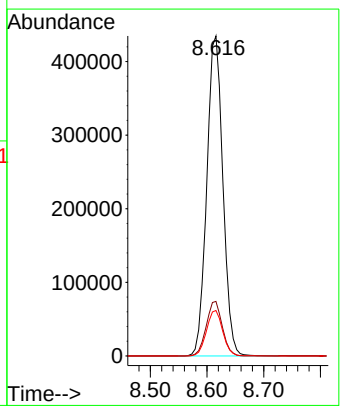
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

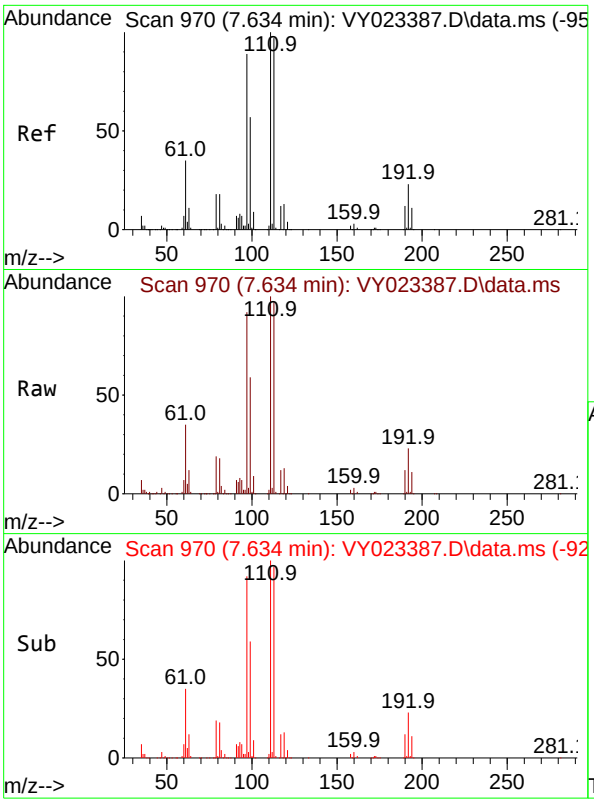


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:114 Resp: 858767

Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	34.2
88	14.2	0.0	28.4

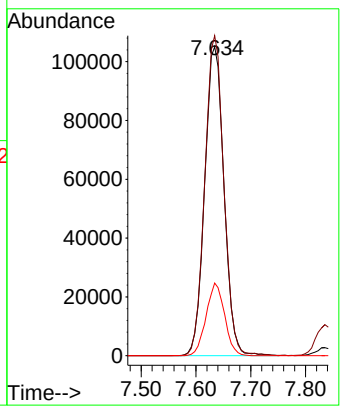




#35
Dibromofluoromethane
Concen: 49.185 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:113 Resp: 25633

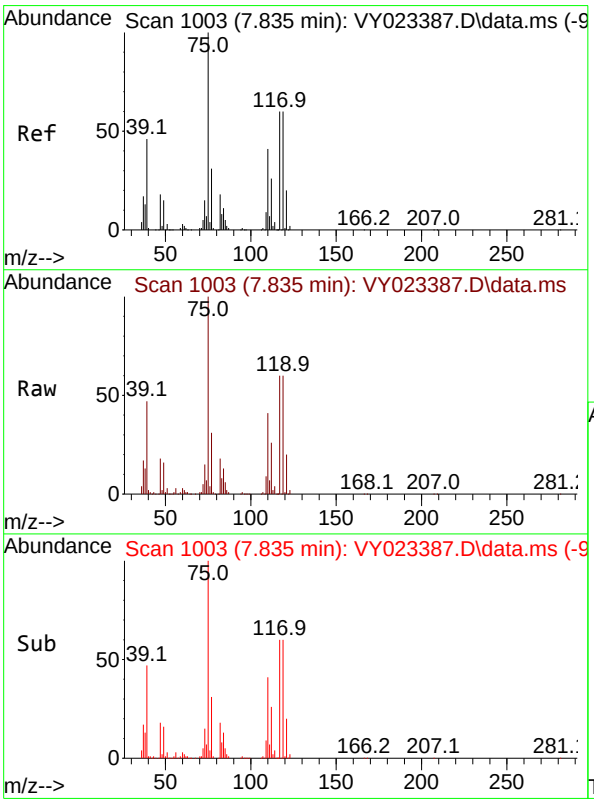
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	22.5	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

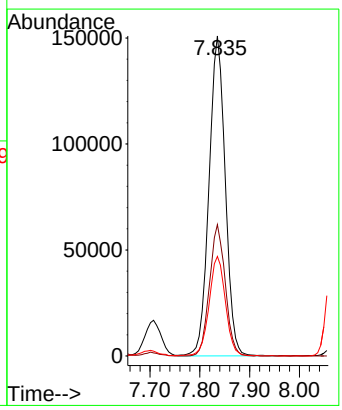
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

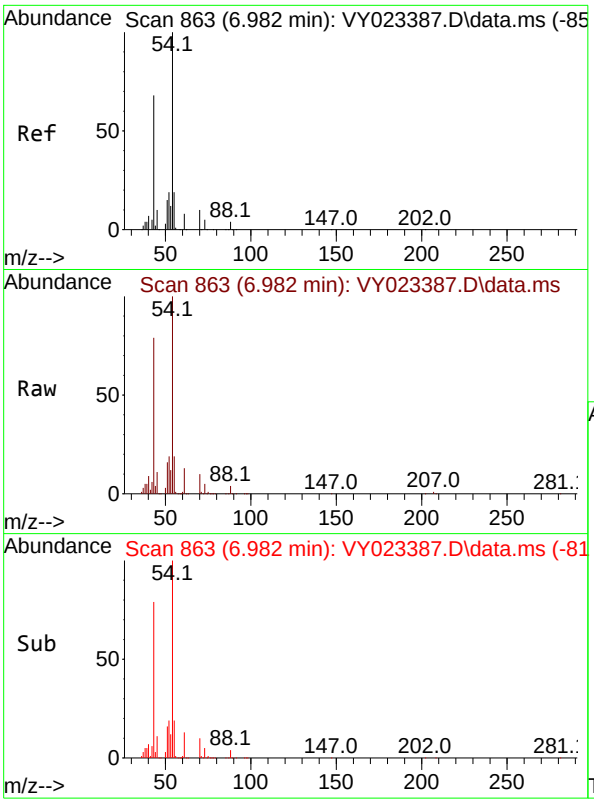


#36
1,1-Dichloropropene
Concen: 46.424 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 341353

Ion	Ratio	Lower	Upper
75	100		
110	39.8	19.9	59.7
77	31.3	25.0	37.6

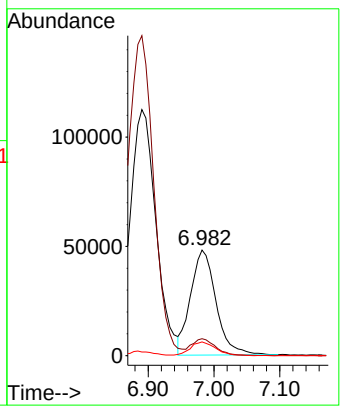




#37
Ethyl Acetate
Concen: 44.394 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 12905

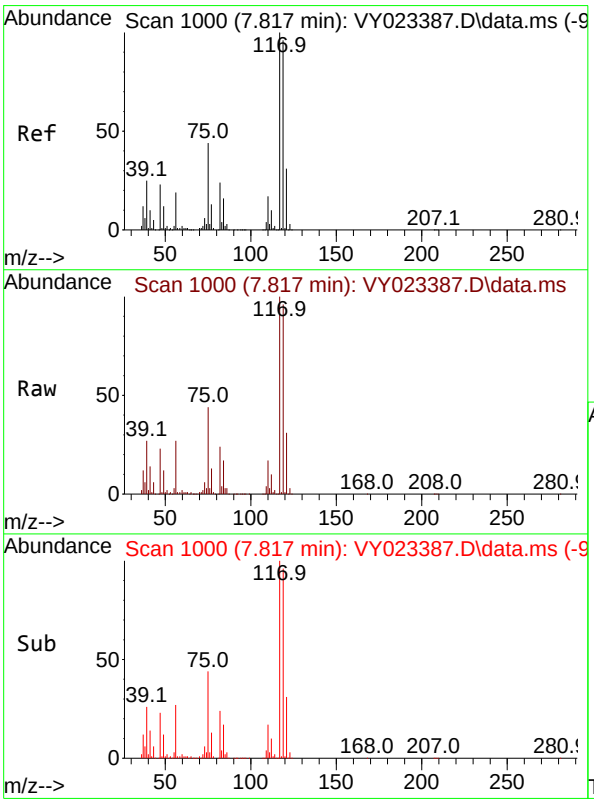
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	13.1	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

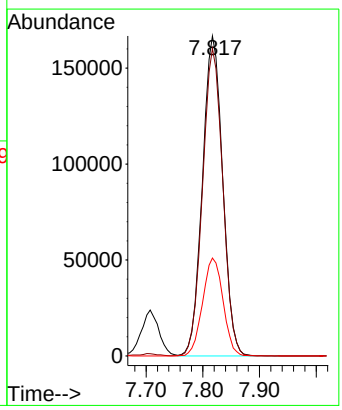
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

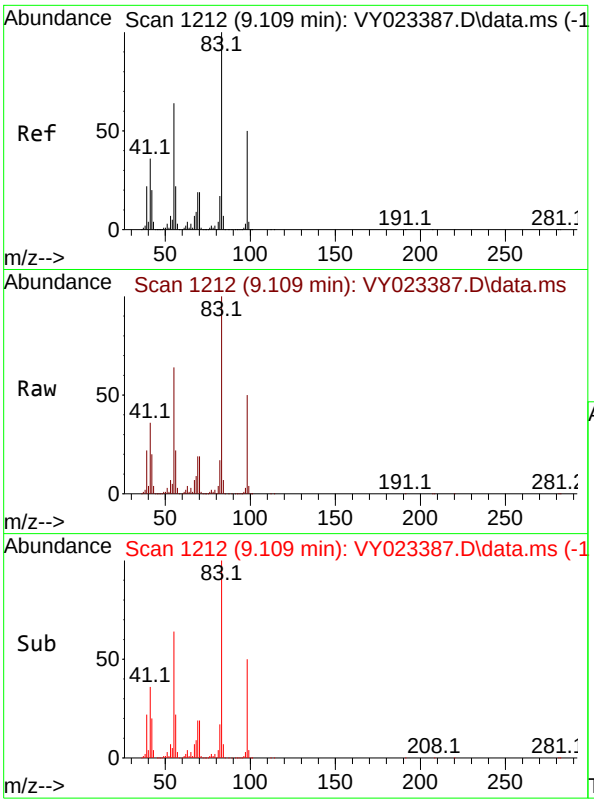


#38
Carbon Tetrachloride
Concen: 48.374 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:117 Resp: 413187

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.8	115.2
121	30.6	24.5	36.7





#39
Methylcyclohexane
Concen: 48.113 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

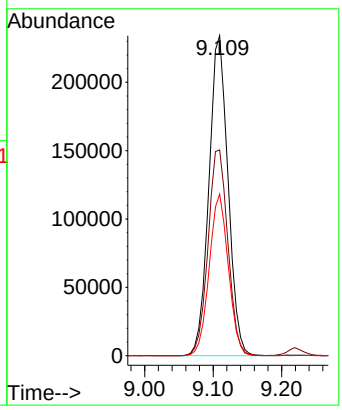
Tgt Ion: 83 Resp: 45295

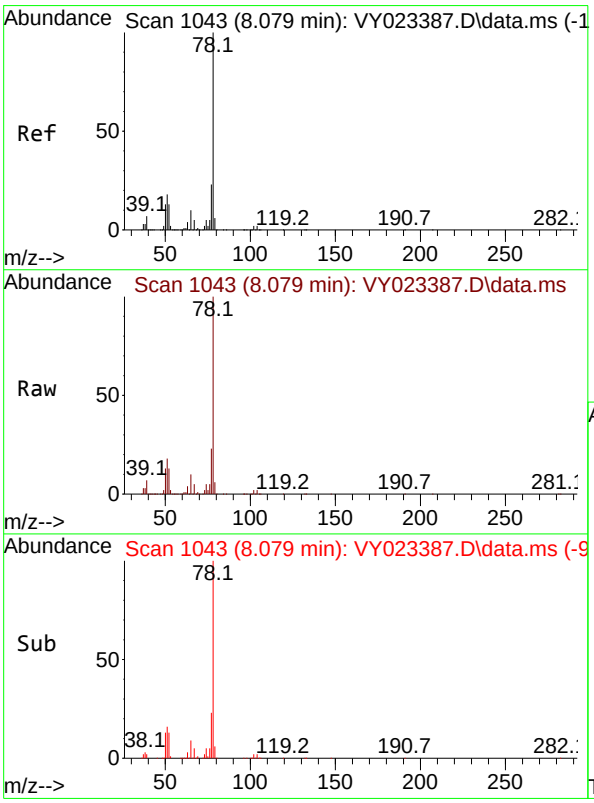
Ion	Ratio	Lower	Upper
83	100		
55	64.3	51.4	77.2
98	50.5	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

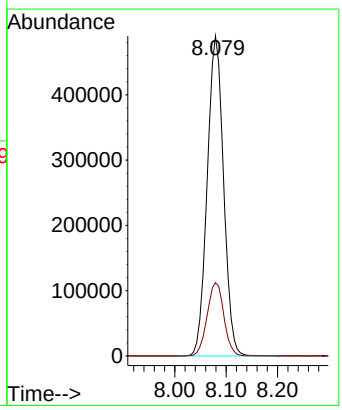


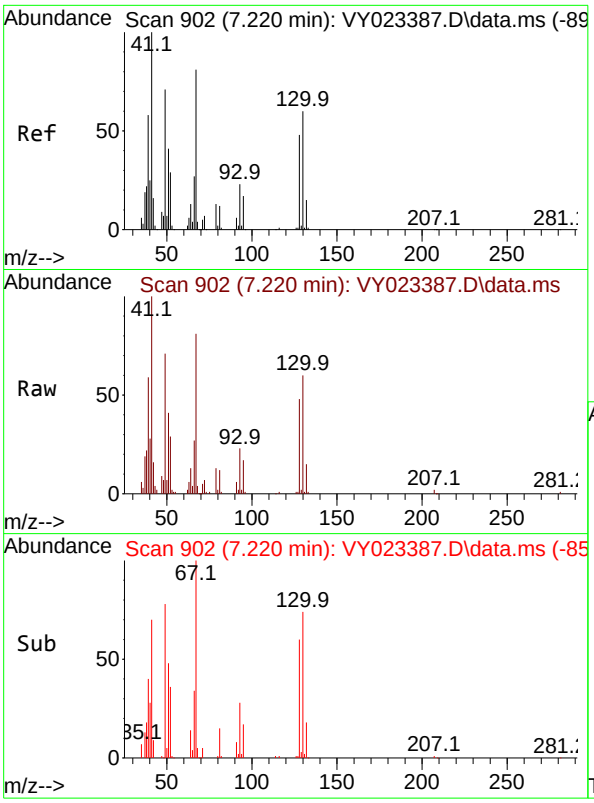


#40
Benzene
Concen: 47.154 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 78 Resp: 1080883

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5

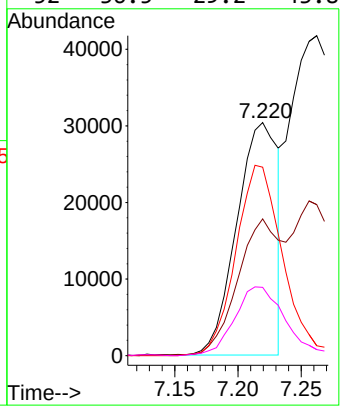




#41
Methacrylonitrile
Concen: 45.399 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 41 Resp: 6854

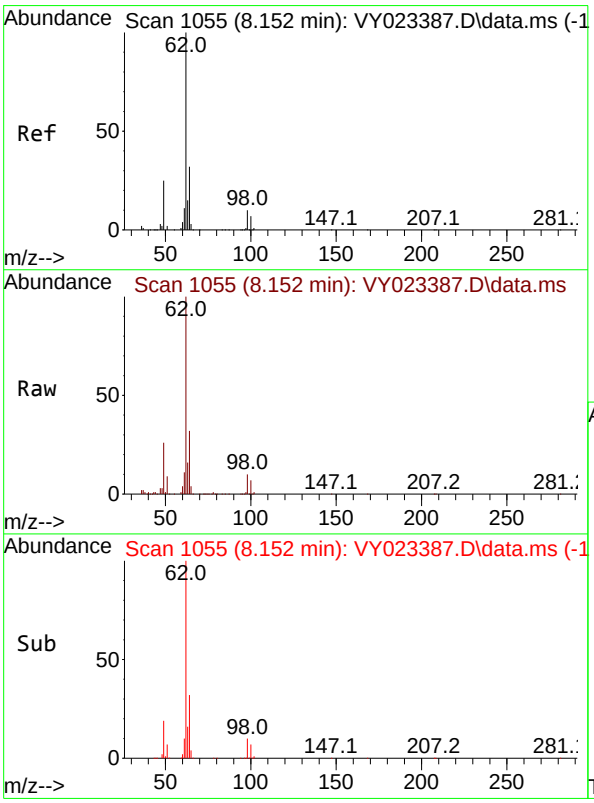
Ion	Ratio	Lower	Upper
41	100		
39	65.3	52.2	78.4
67	93.6	74.9	112.3
52	36.5	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

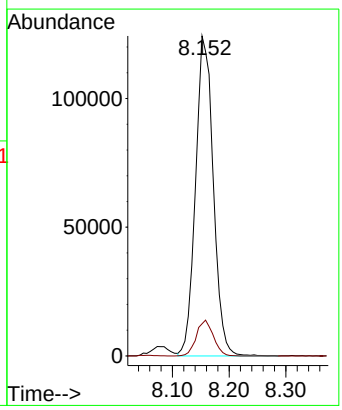
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

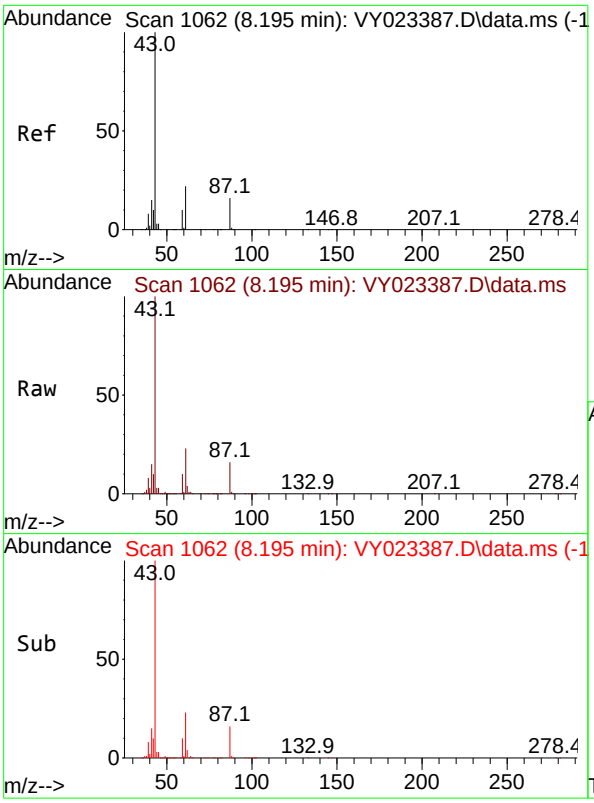


#42
1,2-Dichloroethane
Concen: 46.350 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 62 Resp: 270387

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.6

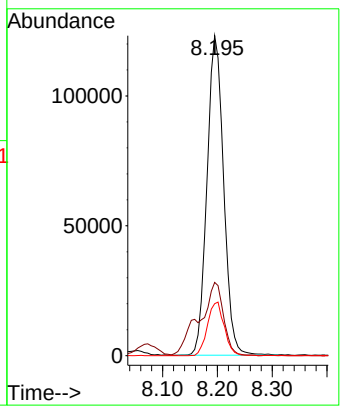




#43
Isopropyl Acetate
Concen: 45.811 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 25904

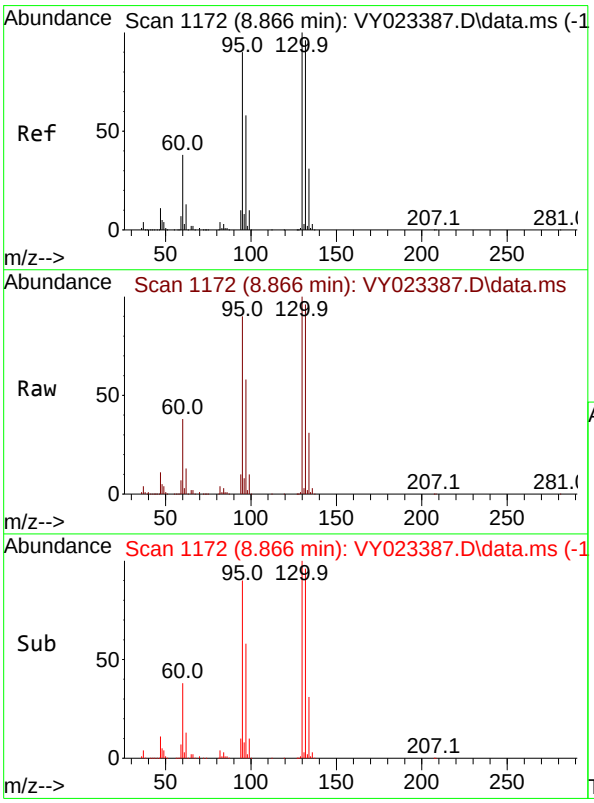
Ion	Ratio	Lower	Upper
43	100		
61	22.6	18.1	27.1
87	16.9	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

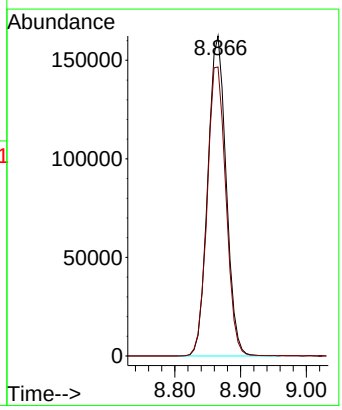
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

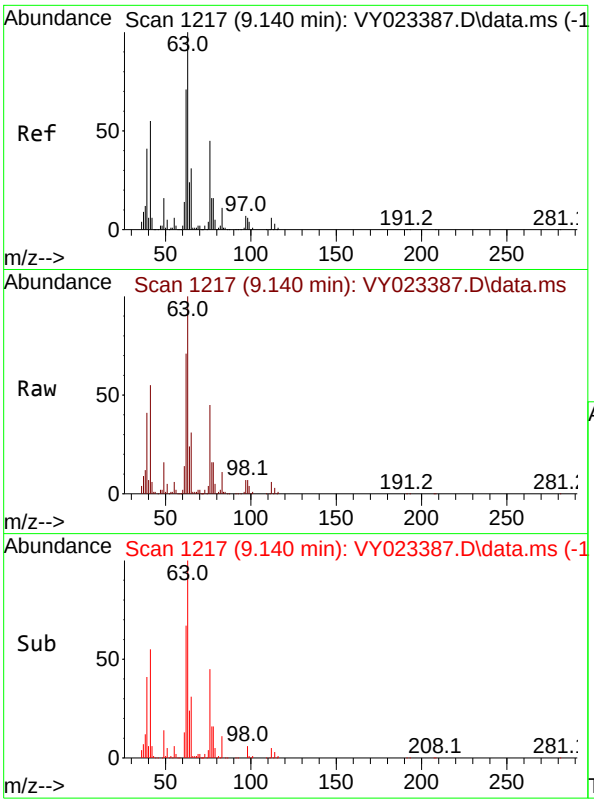


#44
Trichloroethene
Concen: 48.982 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:130 Resp: 315104

Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	180.6

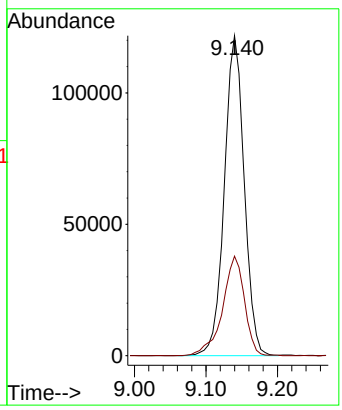




#45
1,2-Dichloropropane
Concen: 45.555 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 63 Resp: 23497

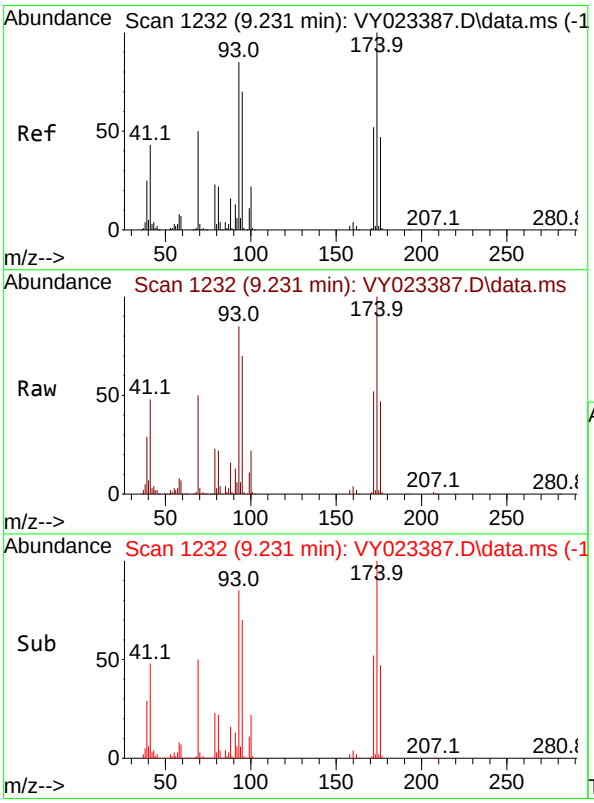
Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

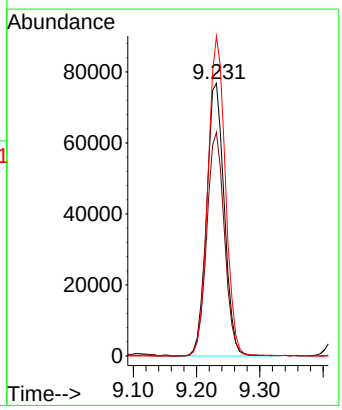
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

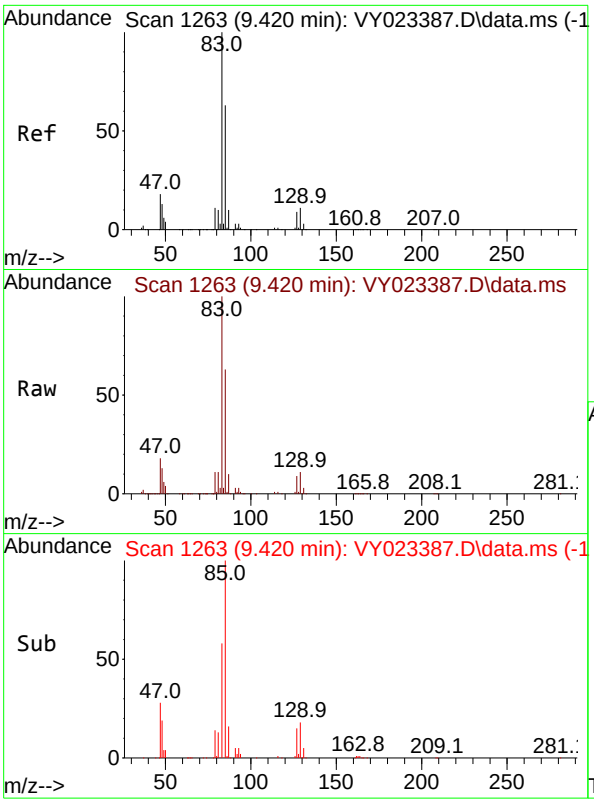


#46
Dibromomethane
Concen: 47.198 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 93 Resp: 148914

Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.4	98.0
174	116.1	92.9	139.3

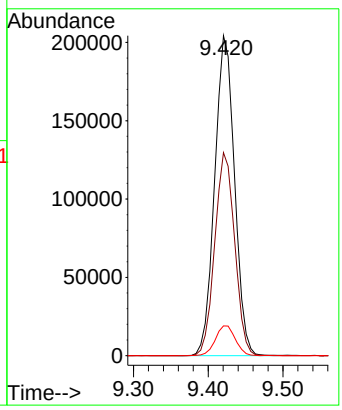




#47
Bromodichloromethane
Concen: 47.482 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 83 Resp: 37708

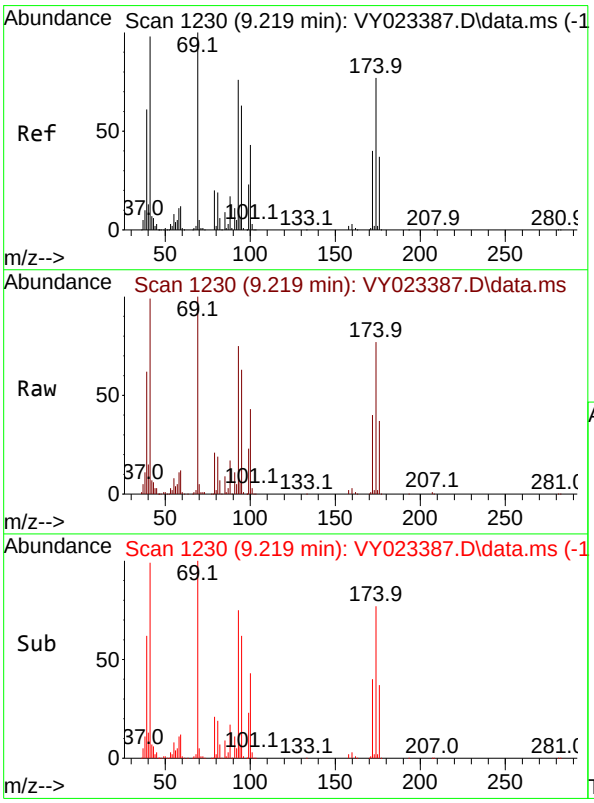
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	9.3	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

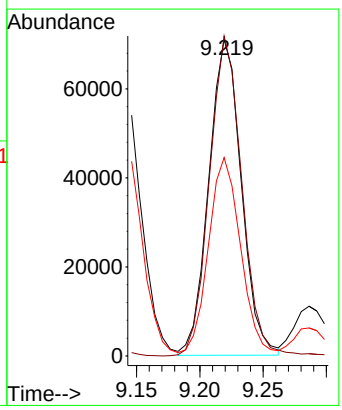
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

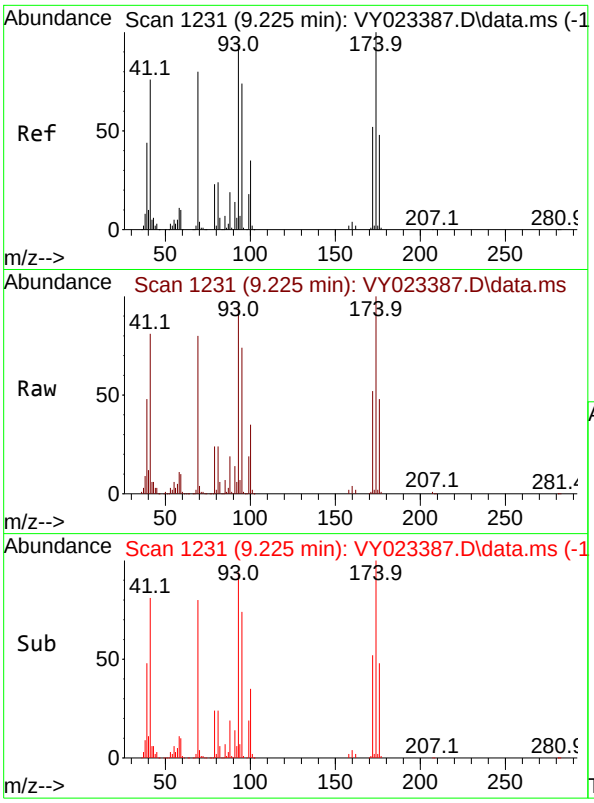


#48
Methyl methacrylate
Concen: 48.027 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 41 Resp: 126732

Ion	Ratio	Lower	Upper
41	100		
69	101.2	81.0	121.4
39	60.3	48.2	72.4





#49
1,4-Dioxane
Concen: 1042.312 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

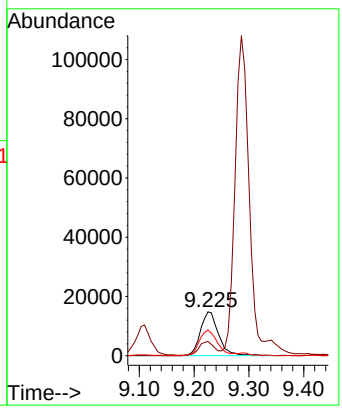
Tgt Ion: 88 Resp: 3405

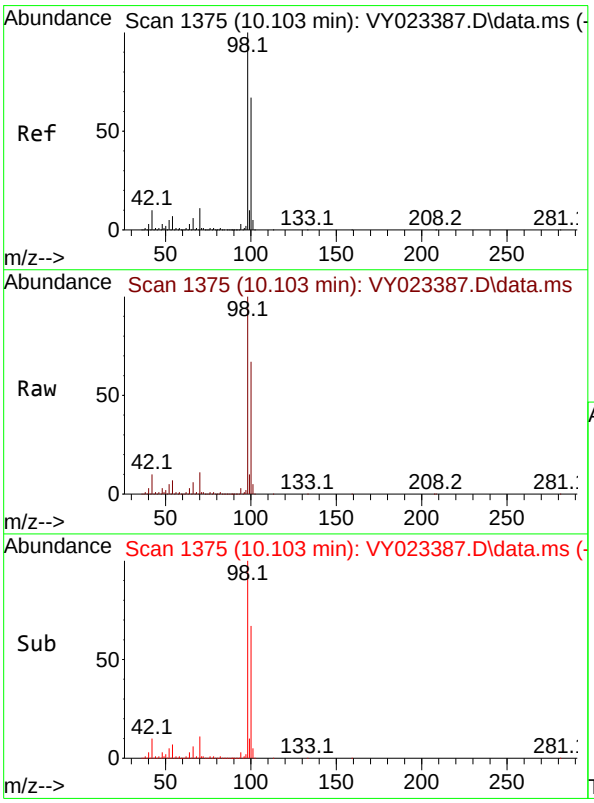
Ion	Ratio	Lower	Upper
88	100		
43	27.3	21.8	32.8
58	58.5	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

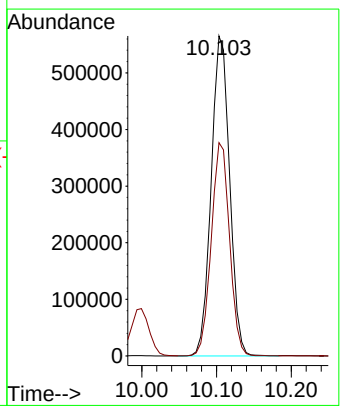


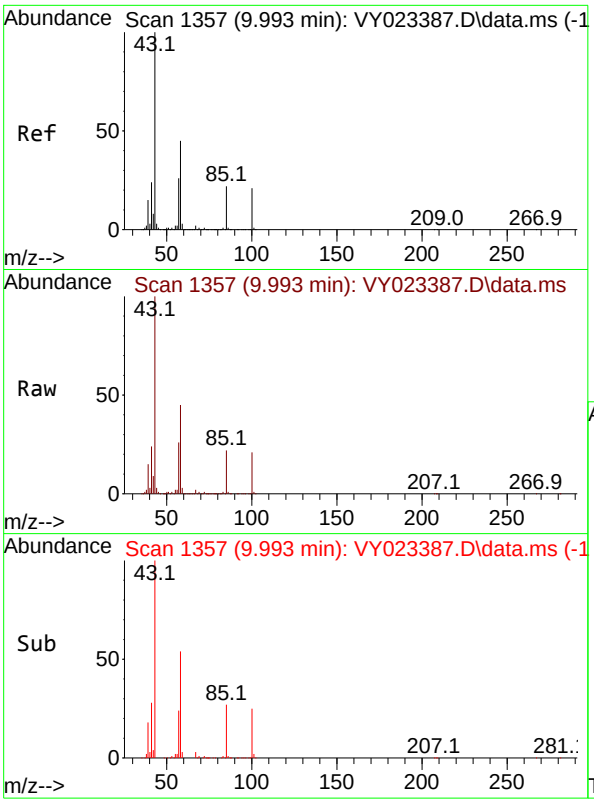


#50
Toluene-d8
Concen: 49.334 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 98 Resp: 969649

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 235.772 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

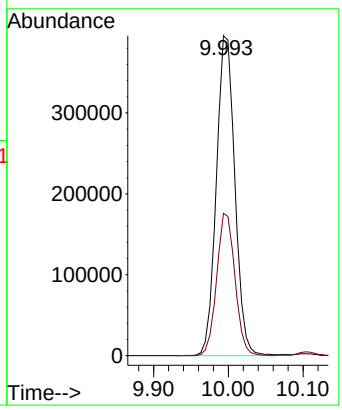
Tgt Ion: 43 Resp: 68287

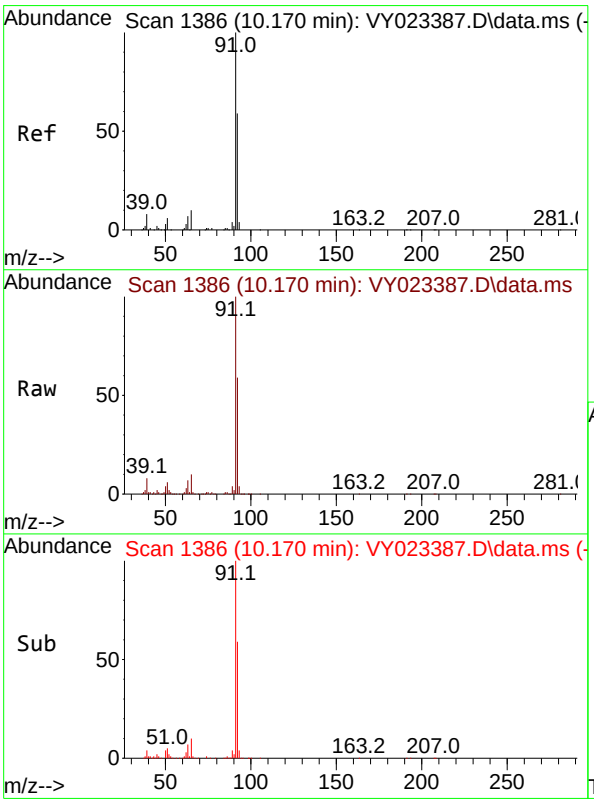
Ion	Ratio	Lower	Upper
43	100		
58	44.1	35.3	52.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

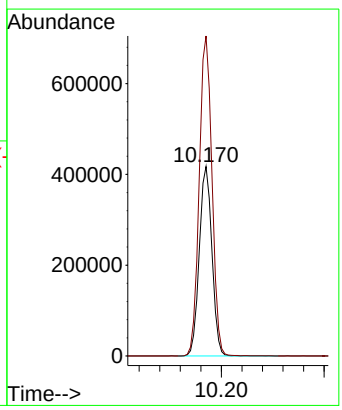


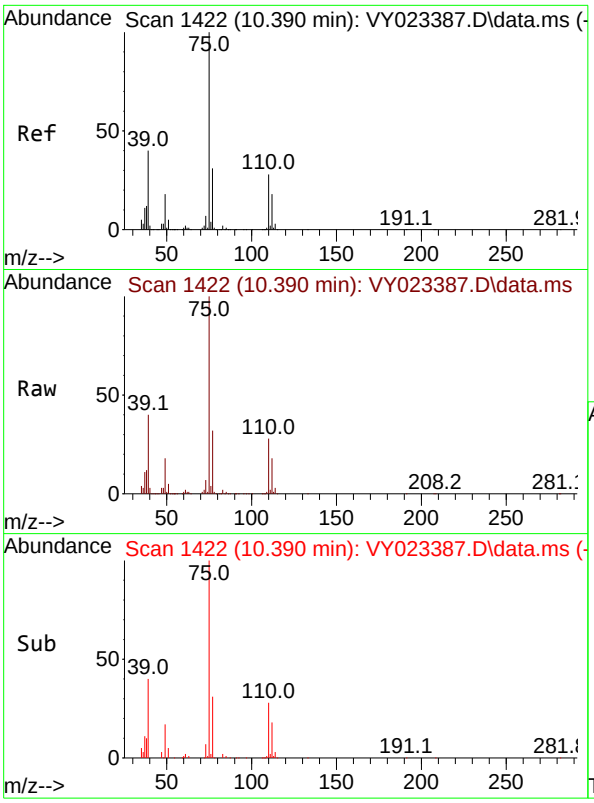


#52
Toluene
Concen: 48.824 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 92 Resp: 710404

Ion	Ratio	Lower	Upper
92	100		
91	170.5	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 48.438 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

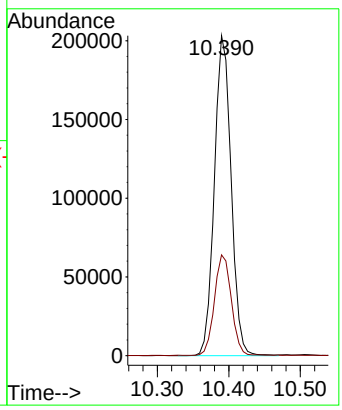
Tgt Ion: 75 Resp: 33039

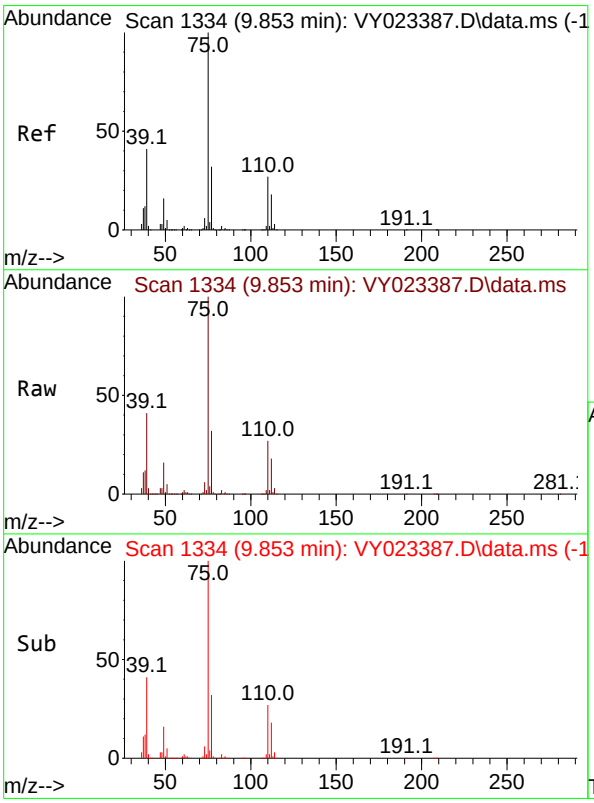
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

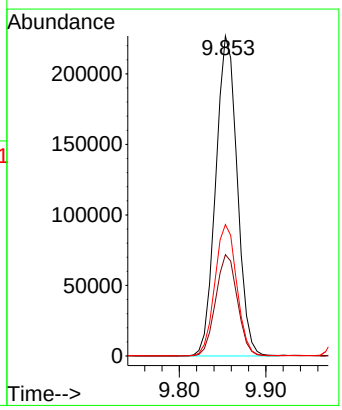


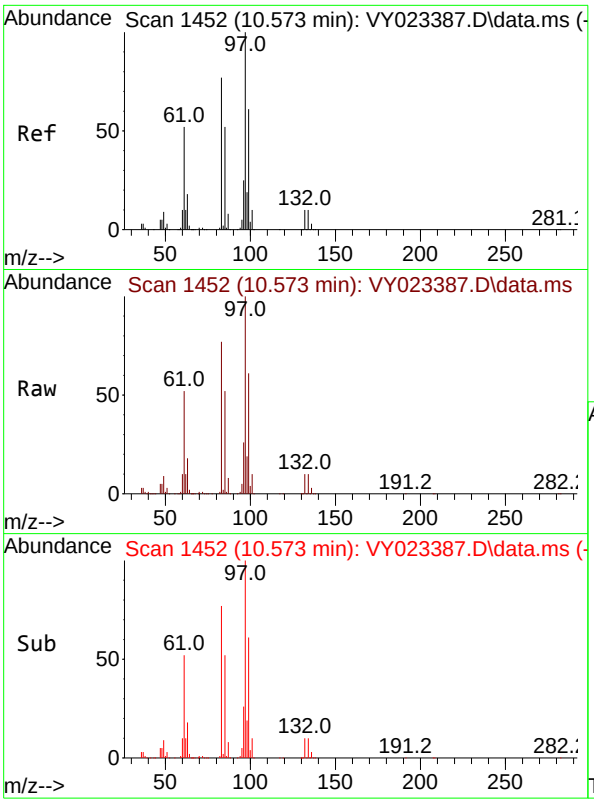


#54
cis-1,3-Dichloropropene
Concen: 47.910 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 390619

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	41.0	32.8	49.2

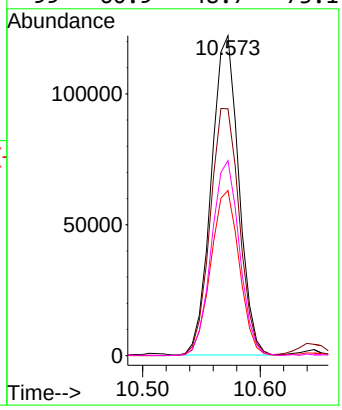




#55
1,1,2-Trichloroethane
Concen: 47.296 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 97 Resp: 19847

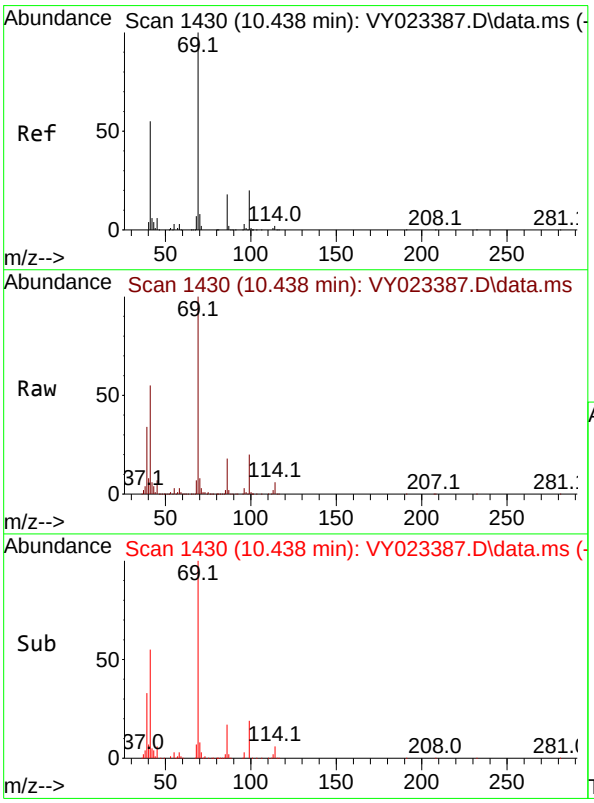
Ion	Ratio	Lower	Upper
97	100		
83	77.2	61.8	92.6
85	51.6	41.3	61.9
99	60.9	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

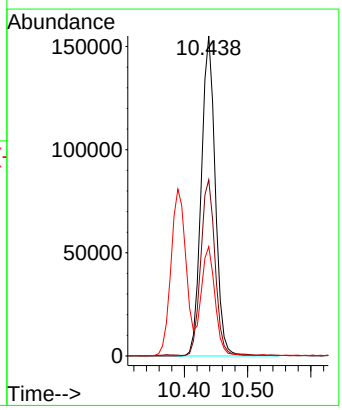
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

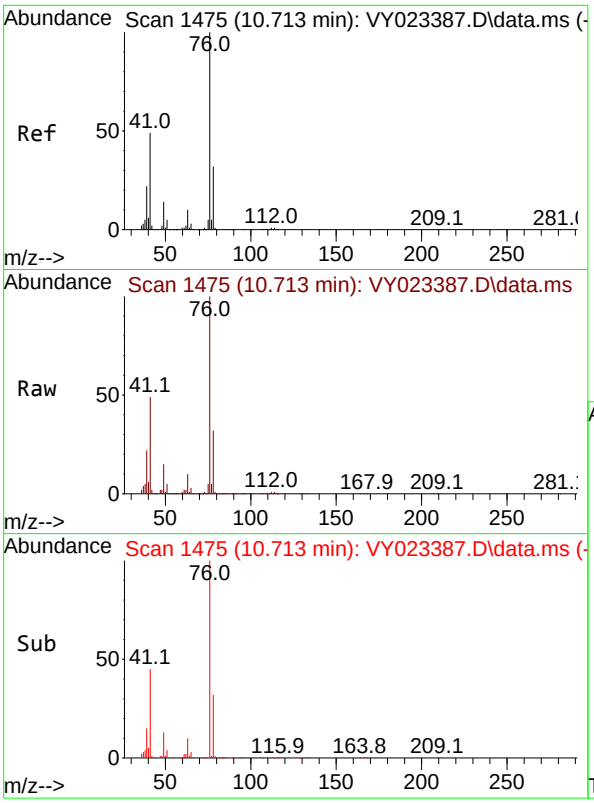


#56
Ethyl methacrylate
Concen: 49.535 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 69 Resp: 239407

Ion	Ratio	Lower	Upper
69	100		
41	55.8	44.6	67.0
39	33.7	27.0	40.4

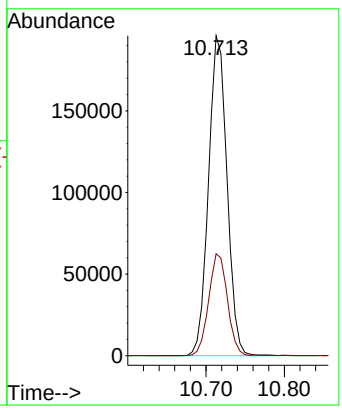




#57
1,3-Dichloropropane
Concen: 47.301 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 76 Resp: 32127(

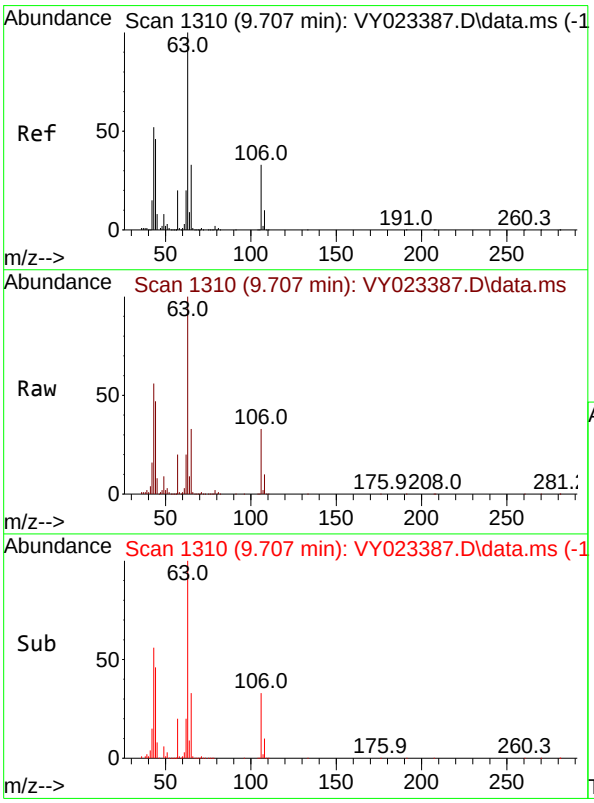
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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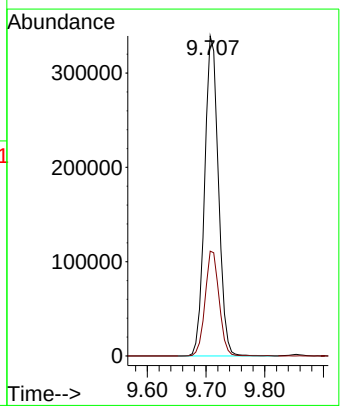
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

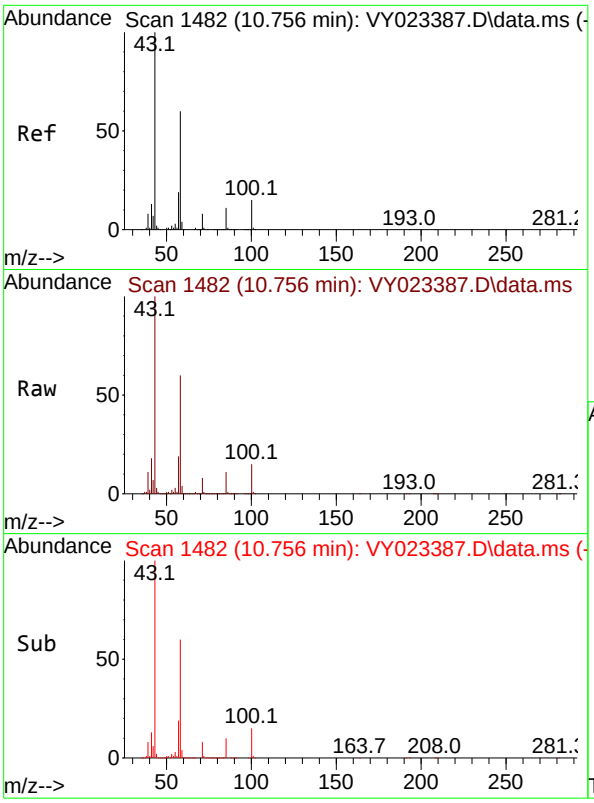


#58
2-Chloroethyl Vinyl ether
Concen: 261.921 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 63 Resp: 553816

Ion	Ratio	Lower	Upper
63	100		
106	33.2	26.6	39.8

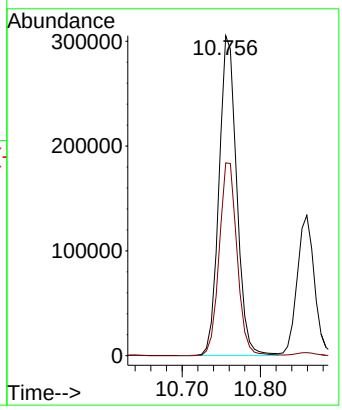




#59
2-Hexanone
Concen: 239.162 ug/l
RT: 10.756 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 47960

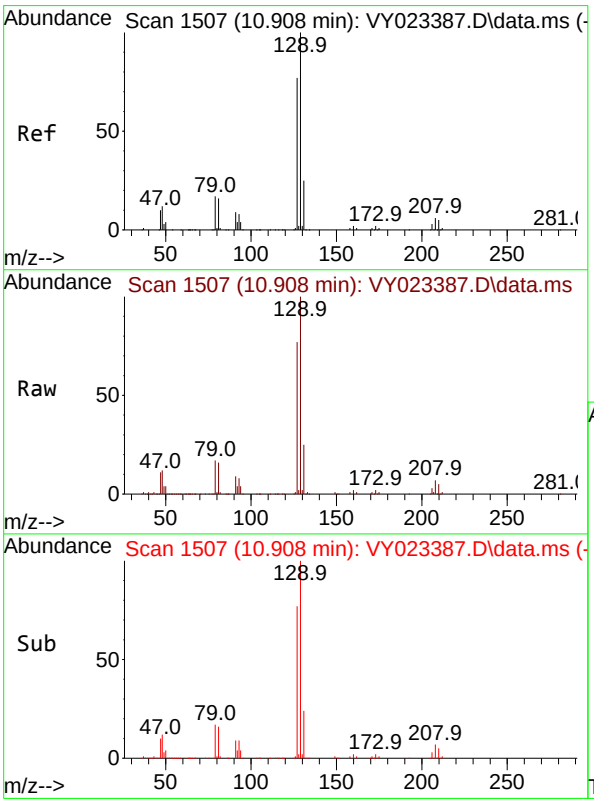
Ion	Ratio	Lower	Upper
43	100		
58	61.0	30.5	91.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

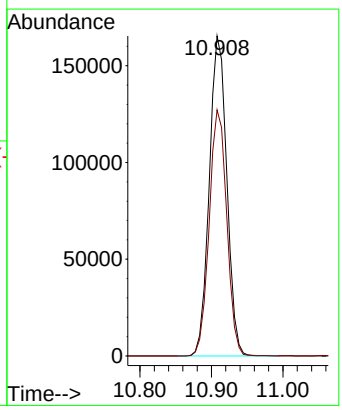
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

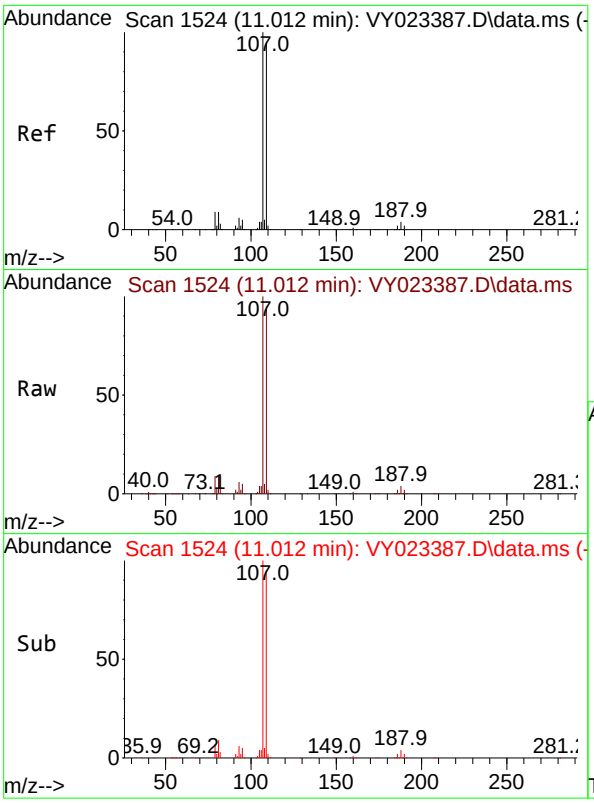


#60
Dibromochloromethane
Concen: 49.103 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:129 Resp: 281047

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7

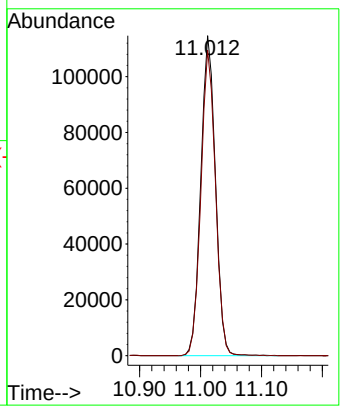




#61
1,2-Dibromoethane
Concen: 48.468 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:107 Resp: 19135

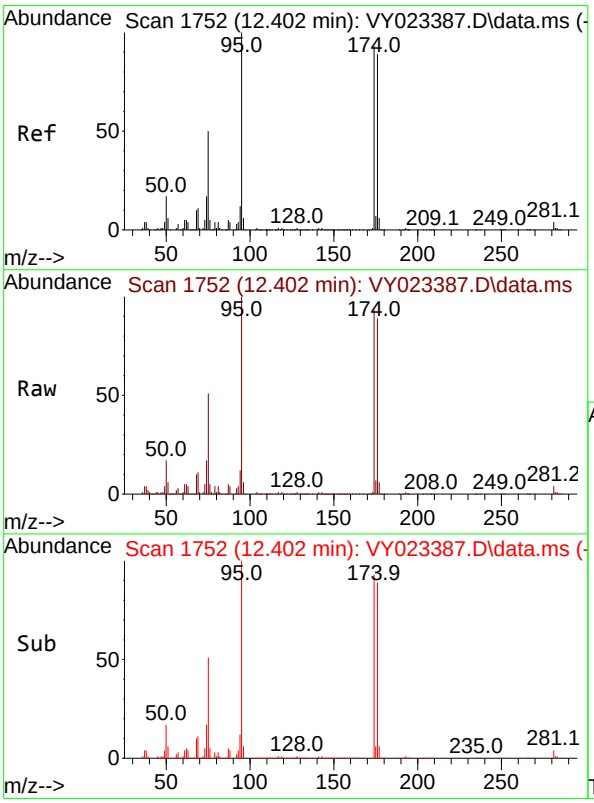
Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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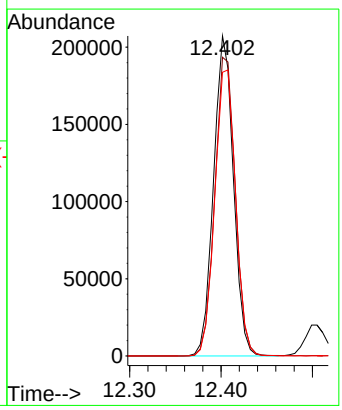
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

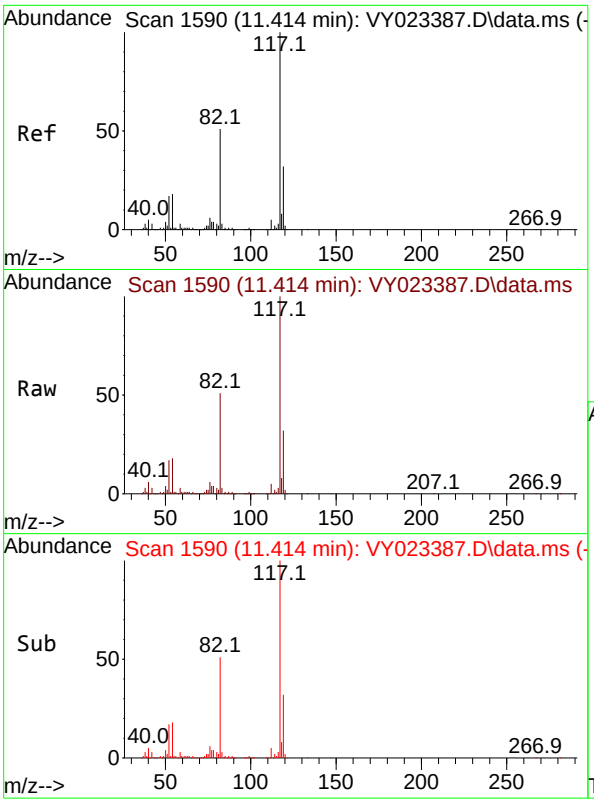


#62
4-Bromofluorobenzene
Concen: 50.546 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 95 Resp: 313426

Ion	Ratio	Lower	Upper
95	100		
174	96.4	0.0	192.8
176	93.8	0.0	187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

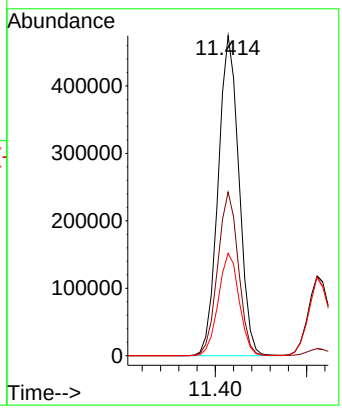
Tgt Ion:117 Resp: 74986

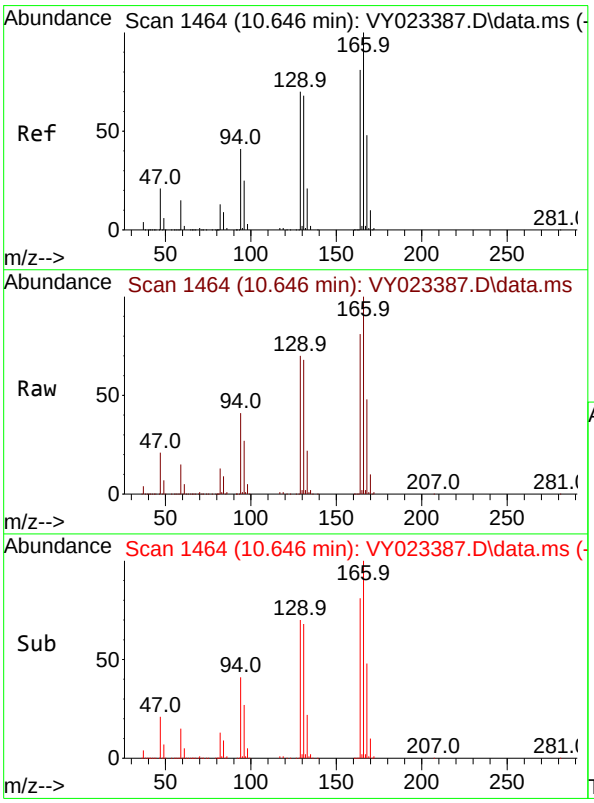
Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.0	61.4
119	32.0	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

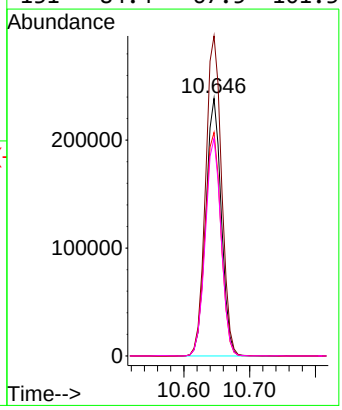


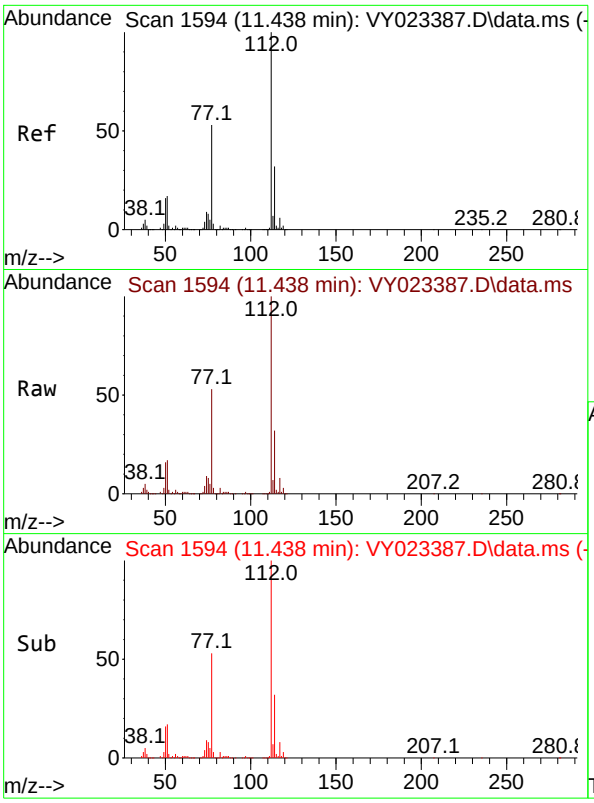


#64
Tetrachloroethene
Concen: 52.264 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:164 Resp: 392056

Ion	Ratio	Lower	Upper
164	100		
166	124.2	99.4	149.0
129	86.8	69.4	104.2
131	84.4	67.5	101.3

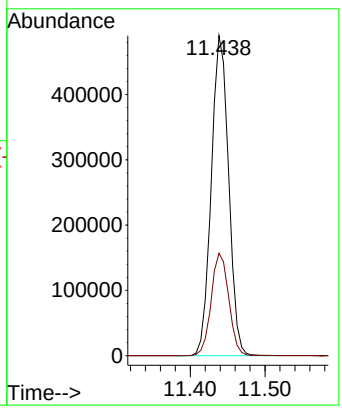




#65
Chlorobenzene
Concen: 48.460 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:112 Resp: 78965

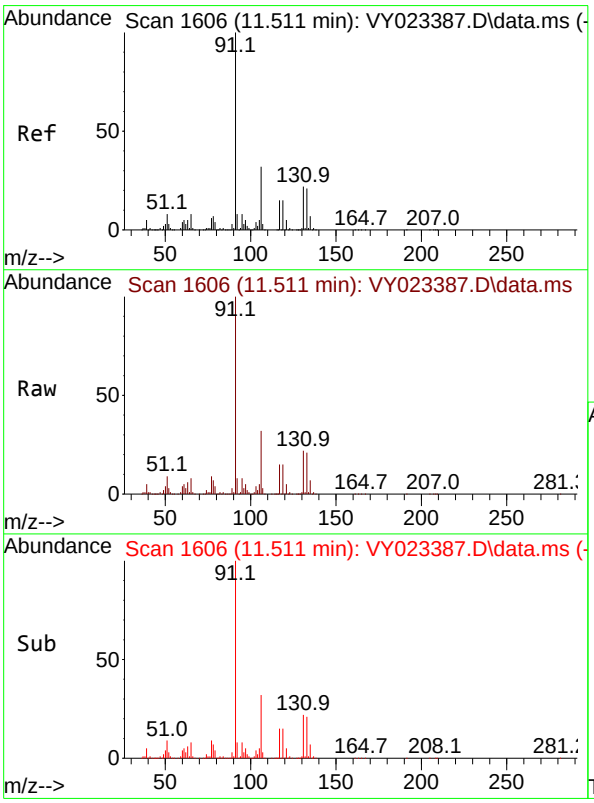
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

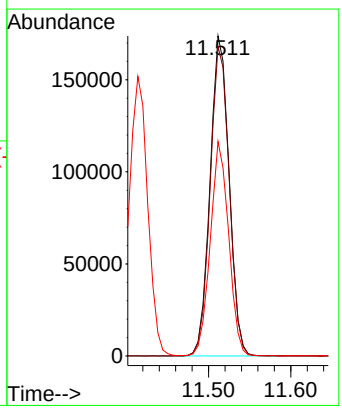
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

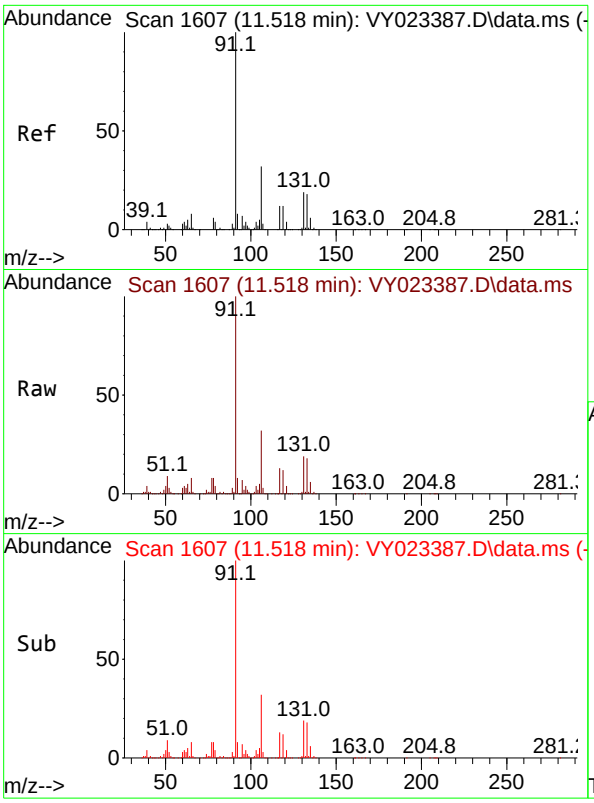


#66
1,1,1,2-Tetrachloroethane
Concen: 48.788 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:131 Resp: 279583

Ion	Ratio	Lower	Upper
131	100		
133	96.8	48.4	145.2
119	64.8	32.4	97.2





#67
Ethyl Benzene
Concen: 50.099 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

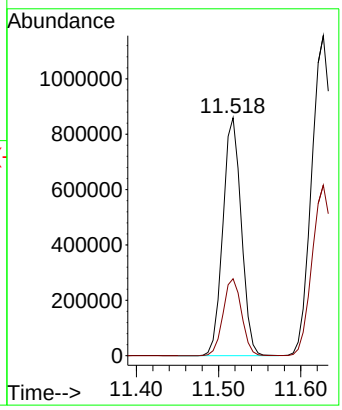
Tgt Ion: 91 Resp: 133235

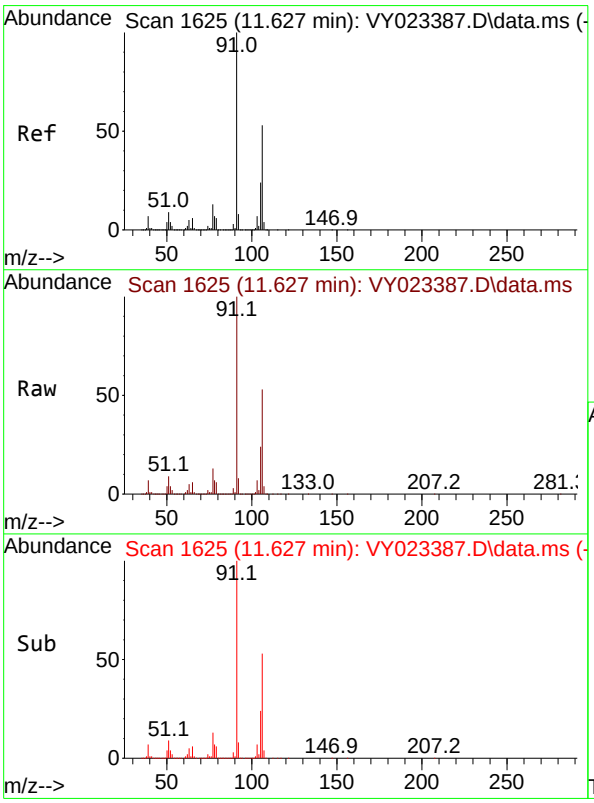
Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

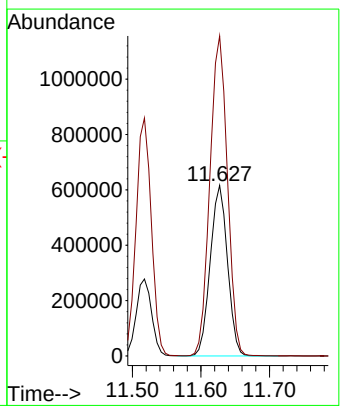


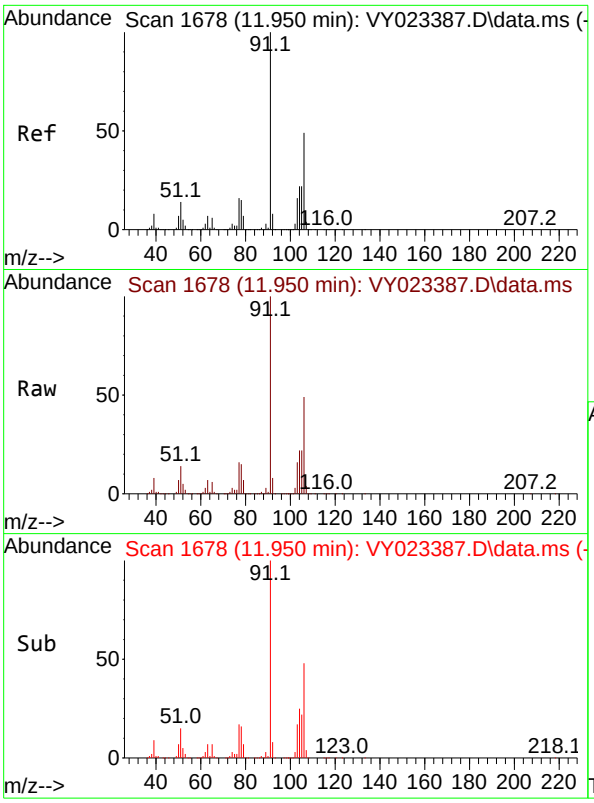


#68
m/p-Xylenes
Concen: 101.092 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:106 Resp: 1077583

Ion	Ratio	Lower	Upper
106	100		
91	190.8	152.6	229.0





#69
o-Xylene
Concen: 50.946 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

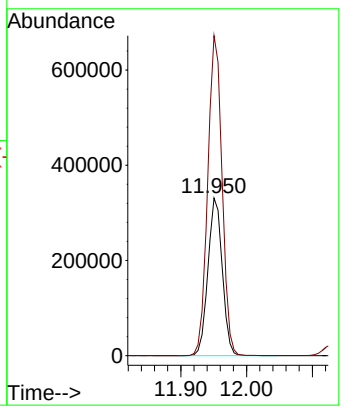
Tgt Ion:106 Resp: 50272

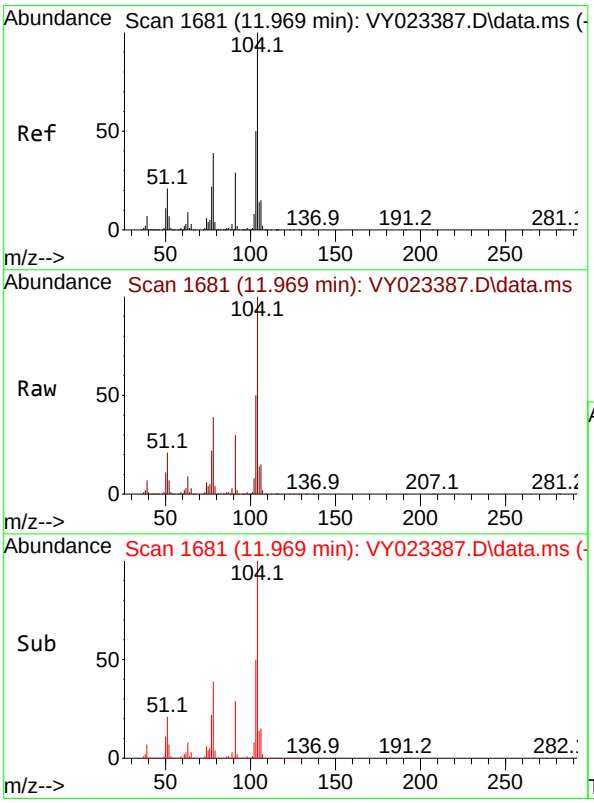
Ion	Ratio	Lower	Upper
106	100		
91	202.7	101.4	304.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

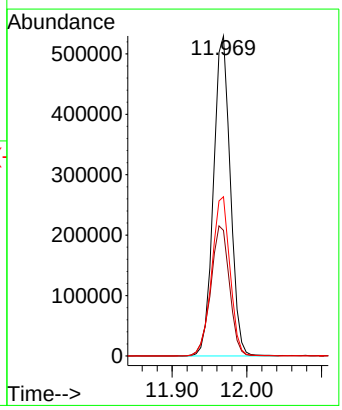


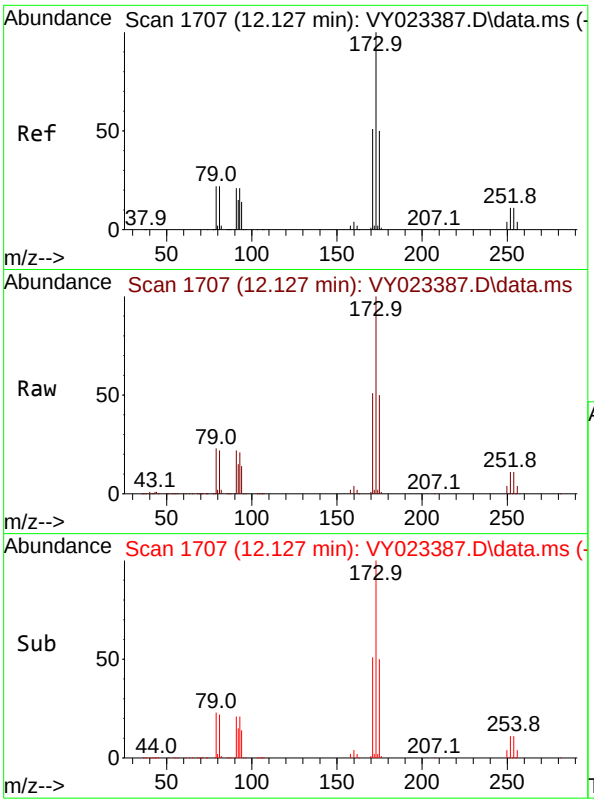


#70
Styrene
Concen: 51.059 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:104 Resp: 831908

Ion	Ratio	Lower	Upper
104	100		
78	45.1	36.1	54.1
103	54.0	43.2	64.8

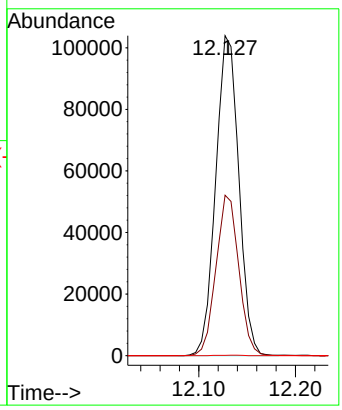




#71
Bromoform
Concen: 50.229 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:173 Resp: 17231

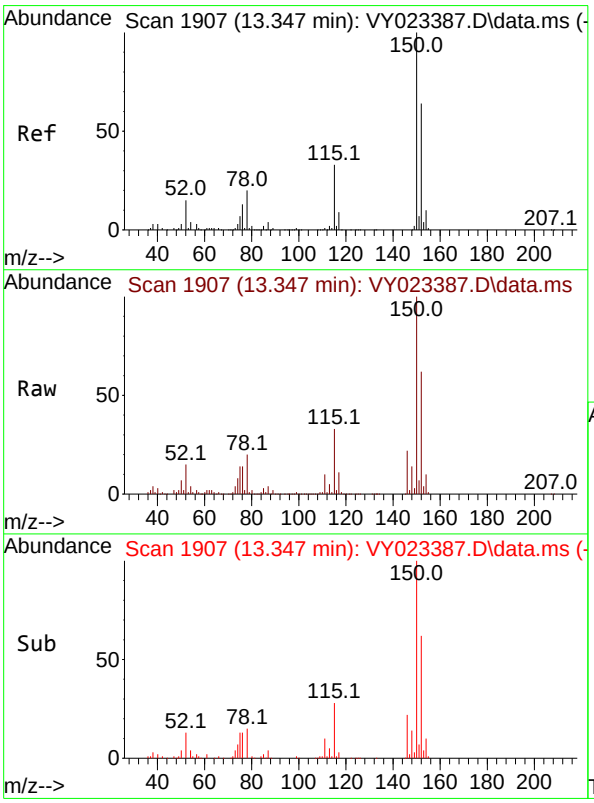
Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

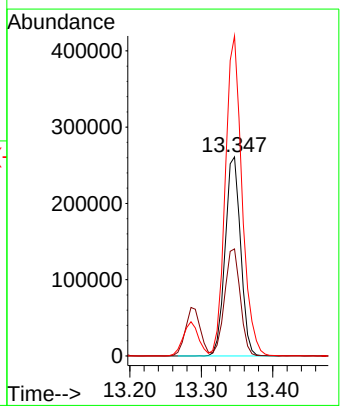
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

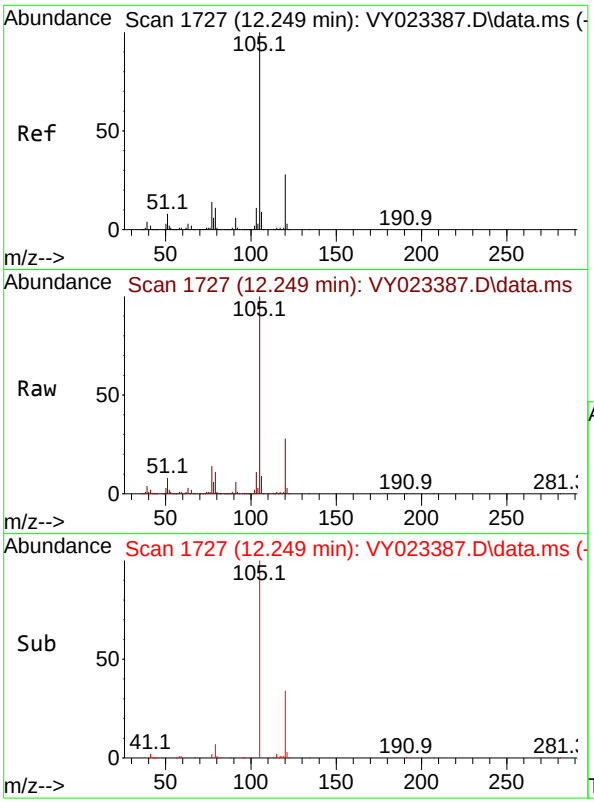


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:152 Resp: 392169

Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.1	81.2
150	173.7	0.0	347.4

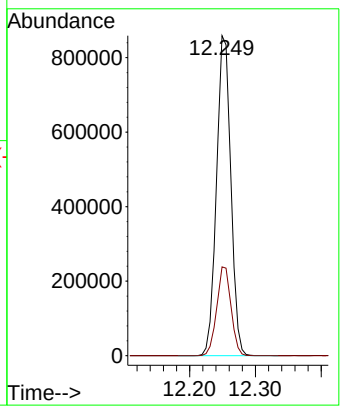




#73
Isopropylbenzene
Concen: 49.803 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:105 Resp: 130100

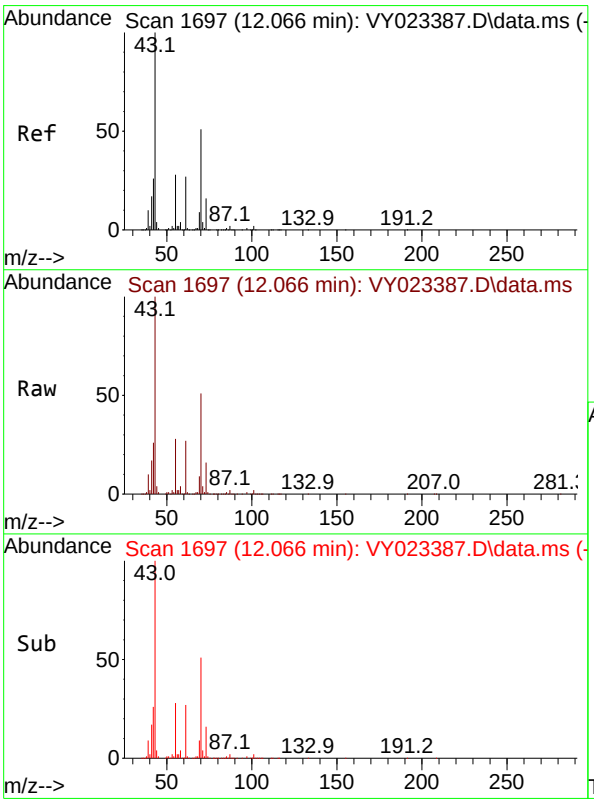
Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

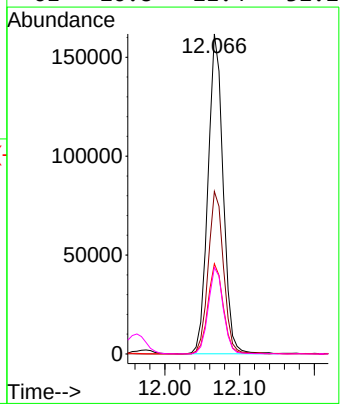
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

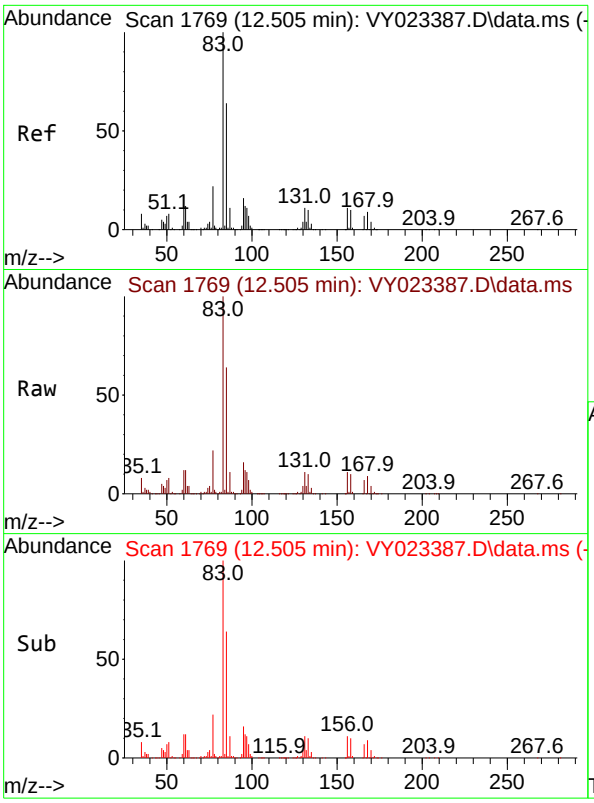


#74
N-amyl acetate
Concen: 46.640 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 227684

Ion	Ratio	Lower	Upper
43	100		
70	51.4	41.1	61.7
55	28.8	23.0	34.6
61	26.8	21.4	32.2

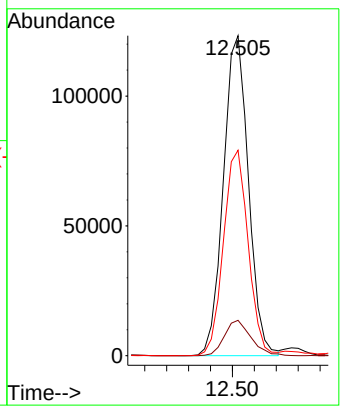




#75
1,1,2,2-Tetrachloroethane
Concen: 44.878 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 83 Resp: 19556

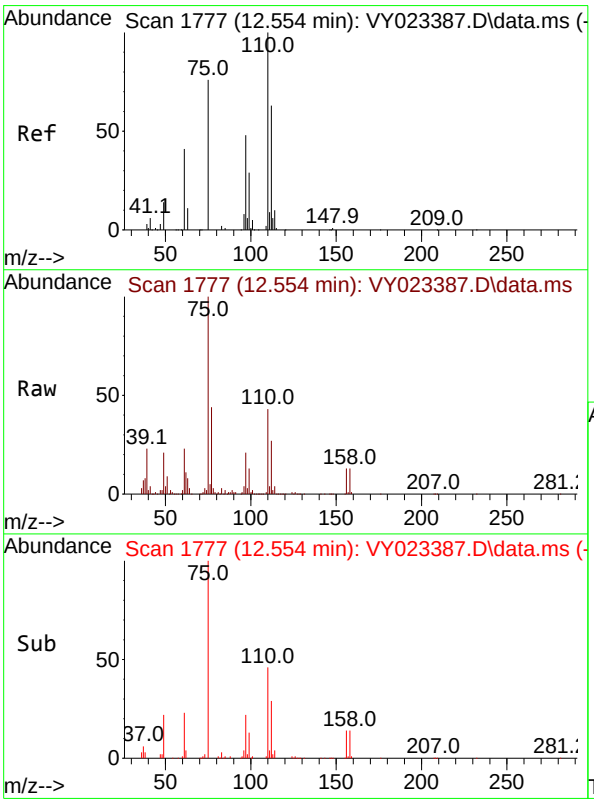
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.9	17.6
85	63.5	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

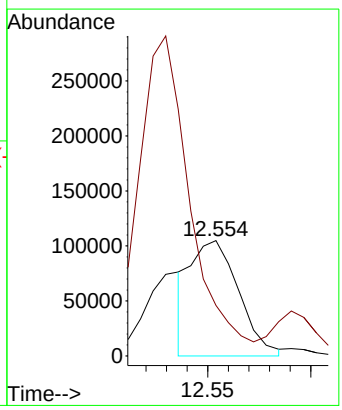
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

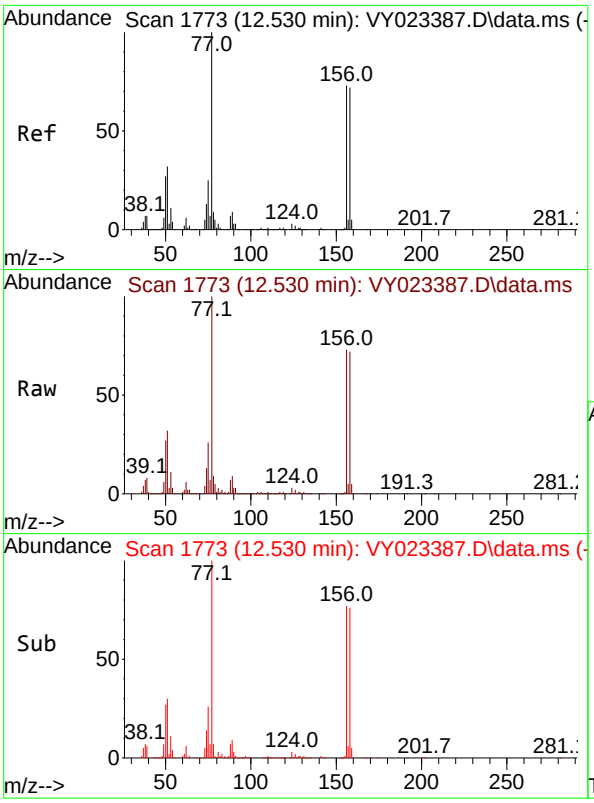


#76
1,2,3-Trichloropropane
Concen: 43.898 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 169814

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

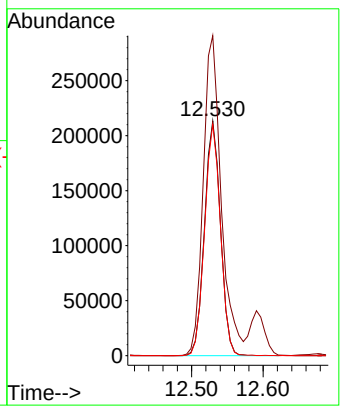




#77
Bromobenzene
Concen: 49.419 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:156 Resp: 33133

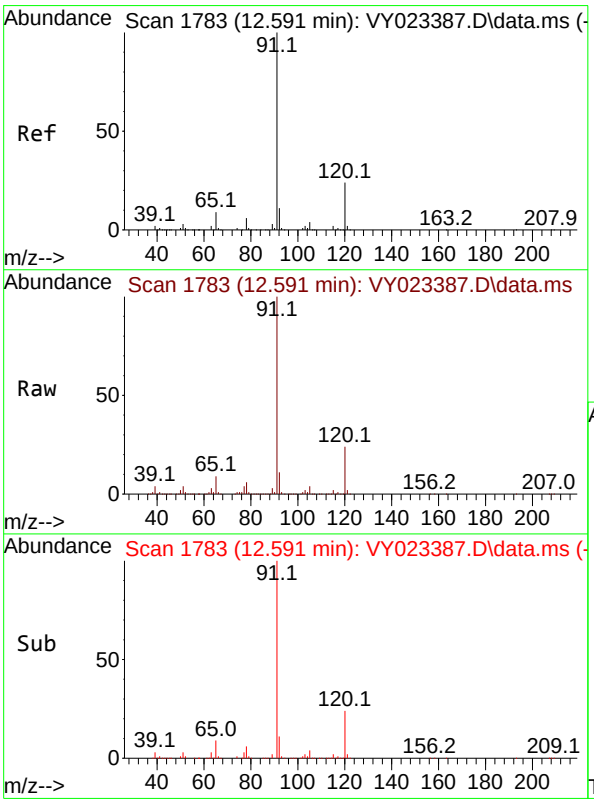
Ion	Ratio	Lower	Upper
156	100		
77	153.7	76.8	230.5
158	98.1	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

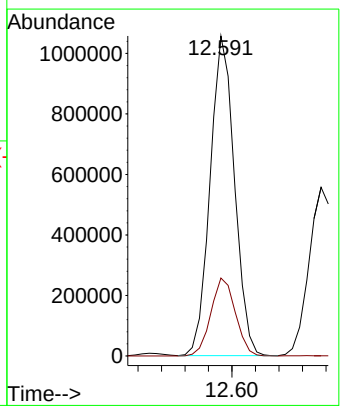
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

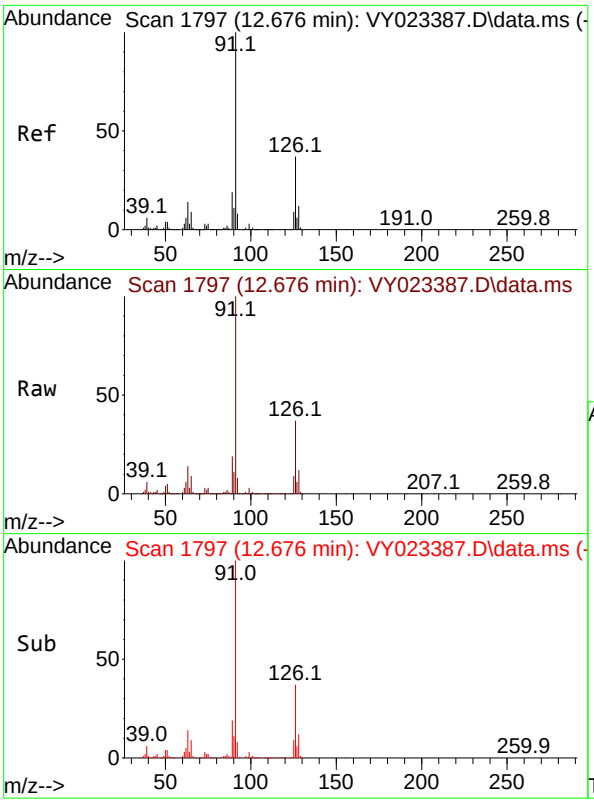


#78
n-propylbenzene
Concen: 49.572 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 1522965

Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.3	36.8





#79
2-Chlorotoluene
Concen: 49.235 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

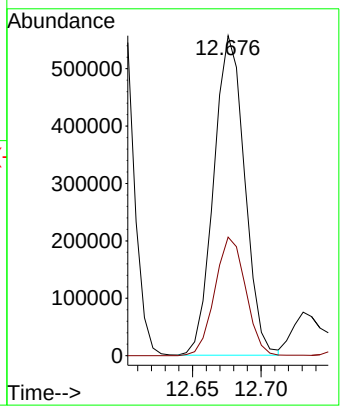
Tgt Ion: 91 Resp: 87333

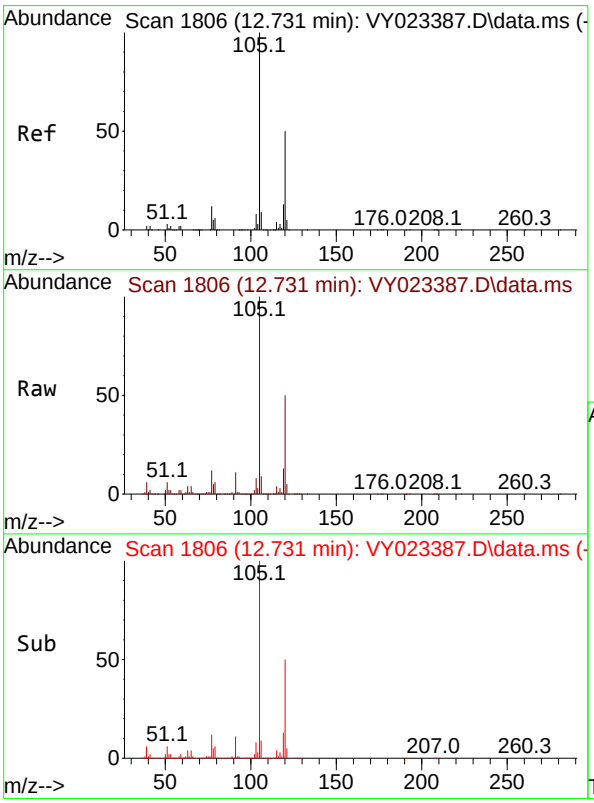
Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.5	55.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

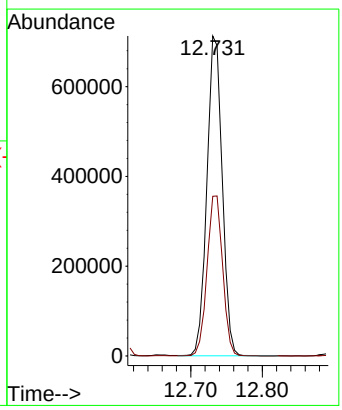


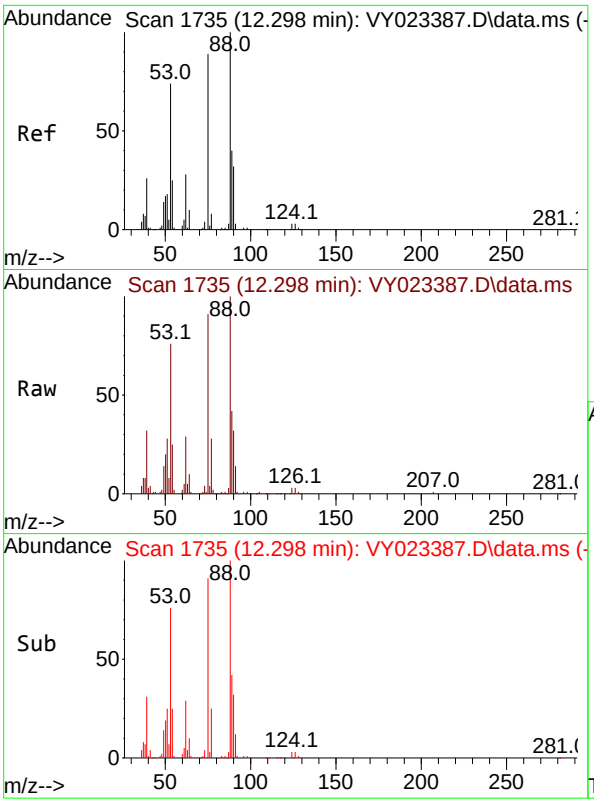


#80
1,3,5-Trimethylbenzene
Concen: 49.966 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:105 Resp: 1061112

Ion	Ratio	Lower	Upper
105	100		
120	50.9	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 46.212 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

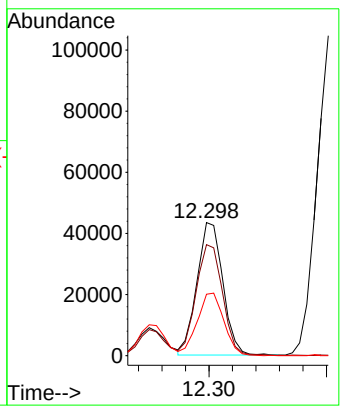
Tgt Ion: 75 Resp: 6629

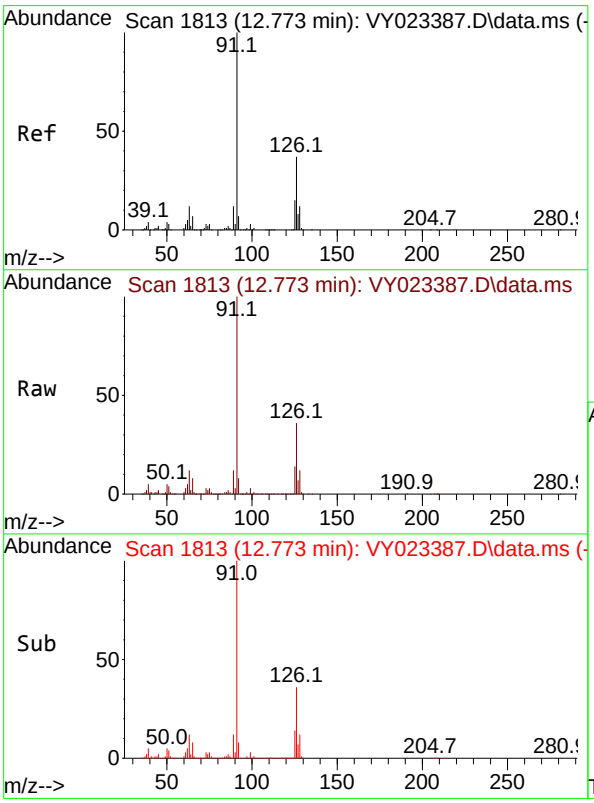
Ion	Ratio	Lower	Upper
75	100		
53	85.7	68.6	102.8
89	48.7	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

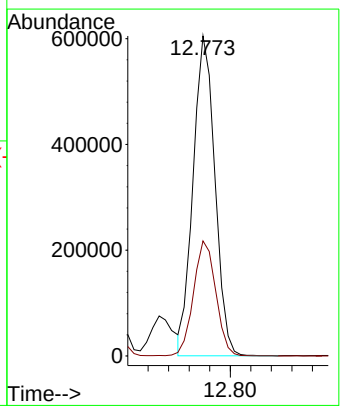


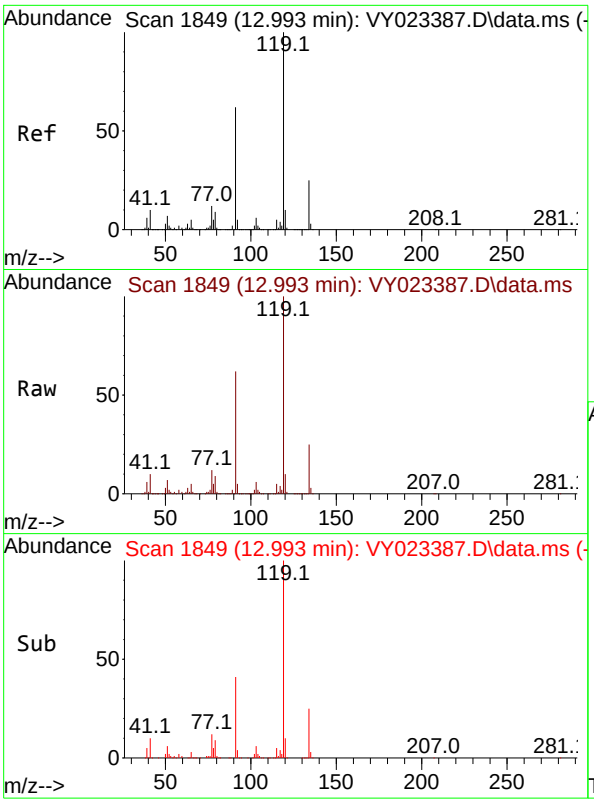


#82
4-Chlorotoluene
Concen: 48.192 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 892764

Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.4	55.4

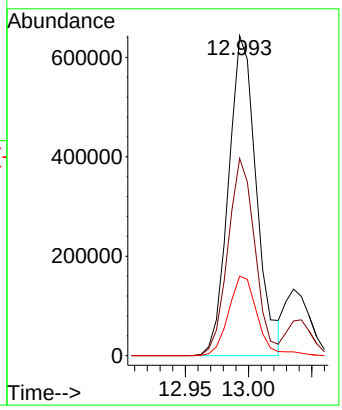




#83
tert-Butylbenzene
Concen: 51.104 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:119 Resp: 98893

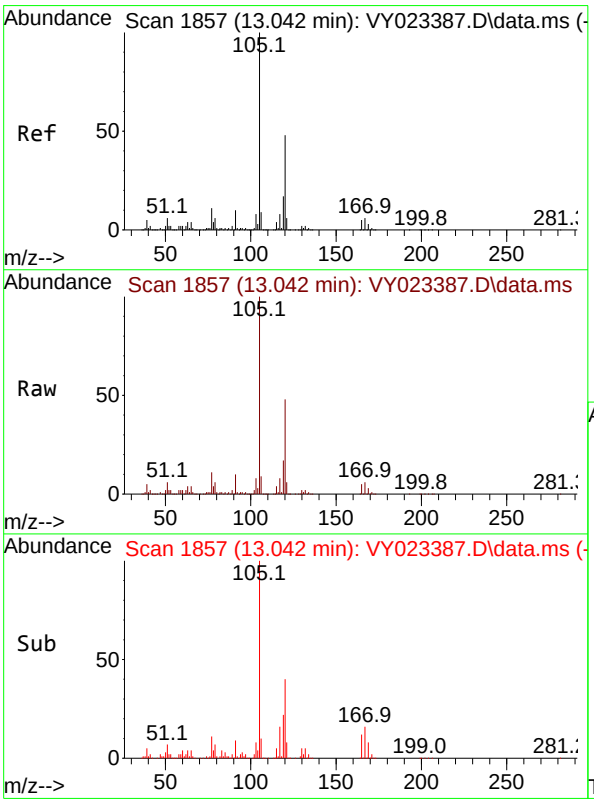
Ion	Ratio	Lower	Upper
119	100		
91	59.9	29.9	89.8
134	25.8	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

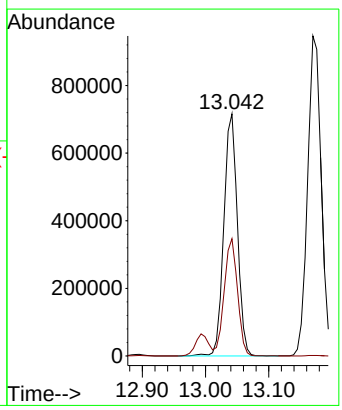
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

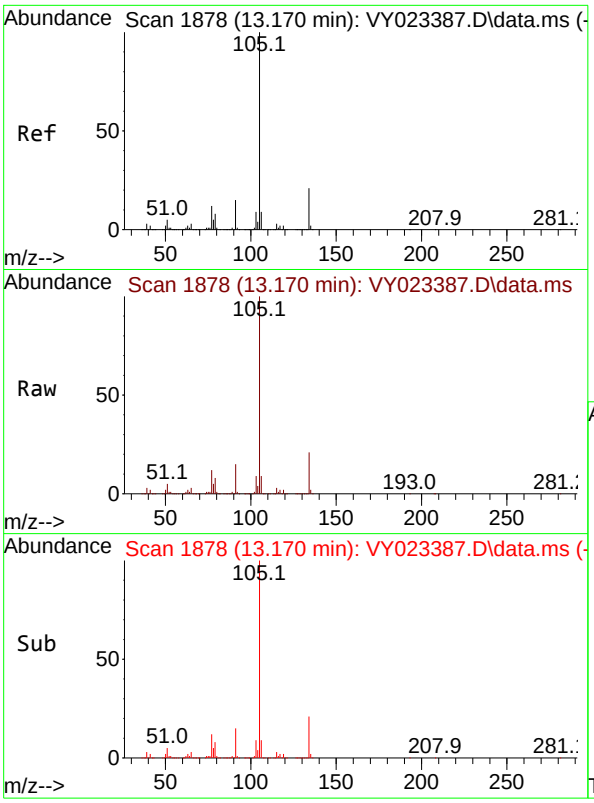


#84
1,2,4-Trimethylbenzene
Concen: 50.505 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:105 Resp: 1061159

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.2

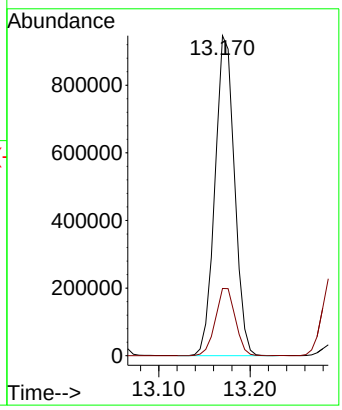




#85
sec-Butylbenzene
Concen: 50.133 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:105 Resp: 140500

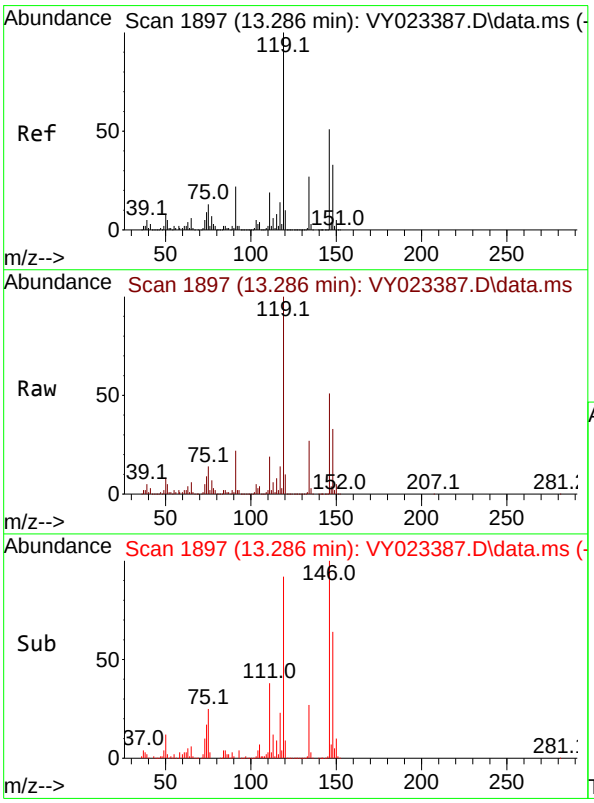
Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

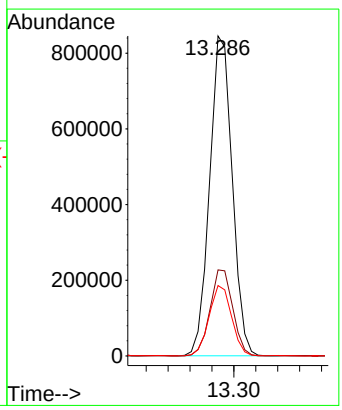
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

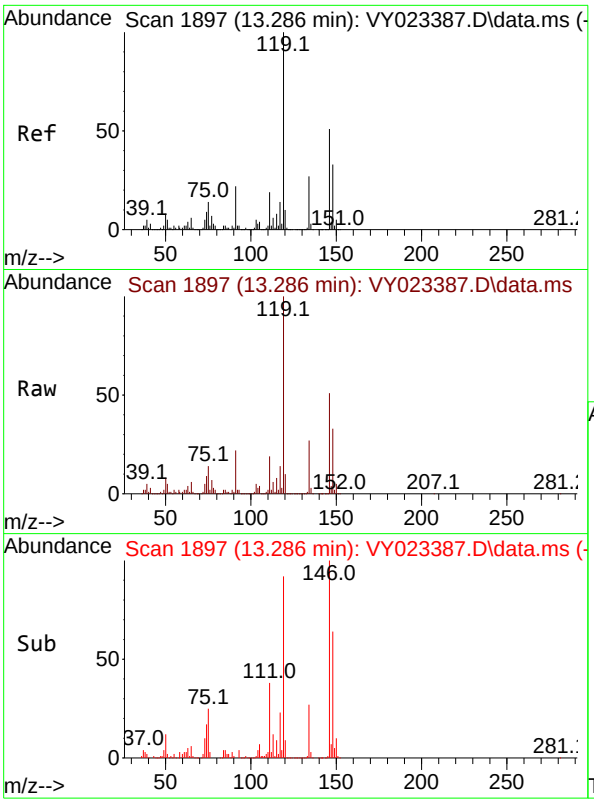


#86
p-Isopropyltoluene
Concen: 51.115 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:119 Resp: 1210644

Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	21.9	10.9	32.9

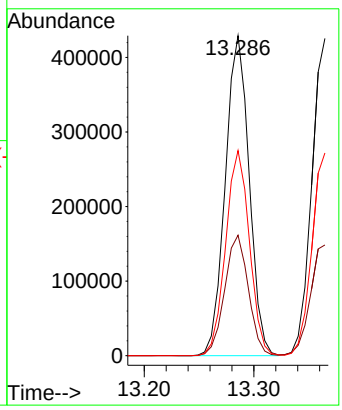




#87
1,3-Dichlorobenzene
Concen: 49.072 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:146 Resp: 64989

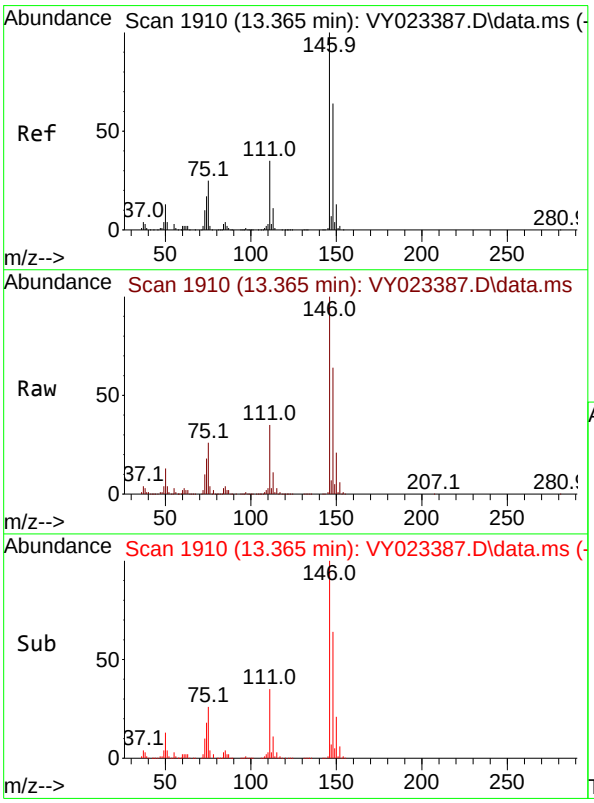
Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

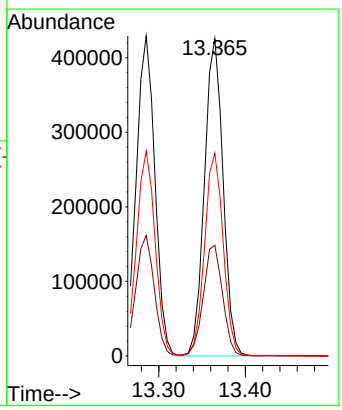
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

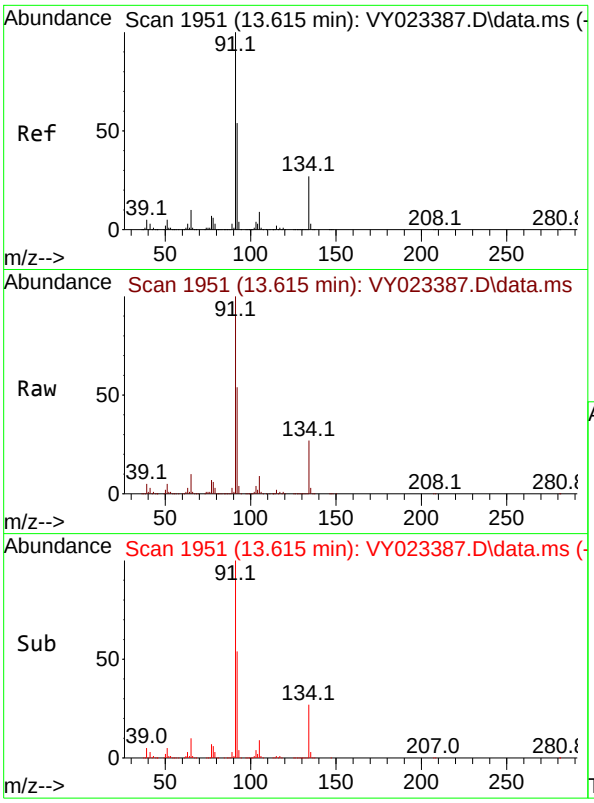


#88
1,4-Dichlorobenzene
Concen: 48.476 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:146 Resp: 636694

Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.0	54.0
148	63.8	31.9	95.7

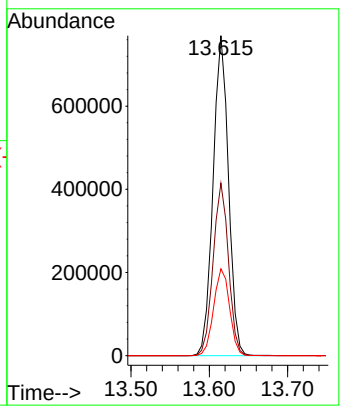




#89
n-Butylbenzene
Concen: 50.299 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 105194

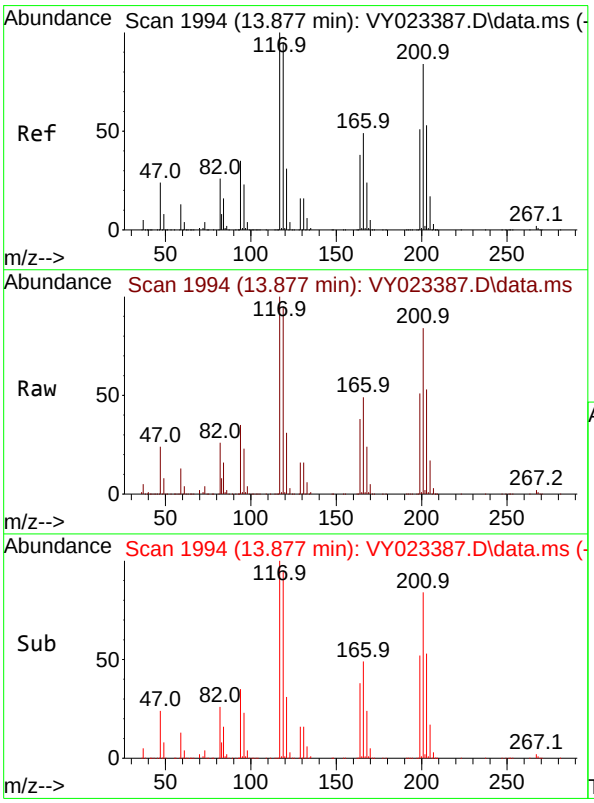
Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.0	80.8
134	28.1	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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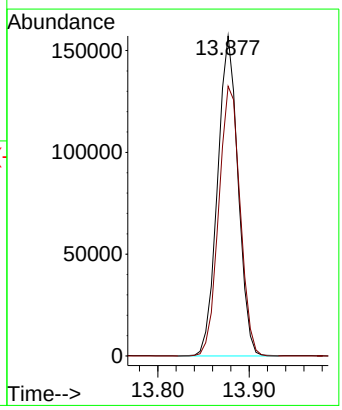
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

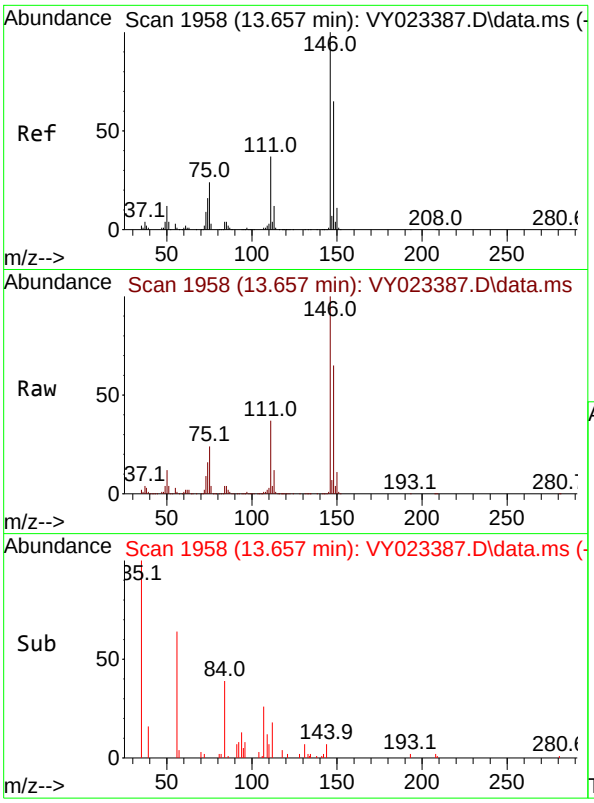


#90
Hexachloroethane
Concen: 47.664 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:117 Resp: 245108

Ion	Ratio	Lower	Upper
117	100		
201	87.6	43.8	131.4

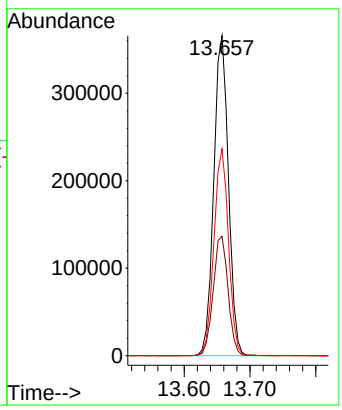




#91
1,2-Dichlorobenzene
Concen: 49.075 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:146 Resp: 56711

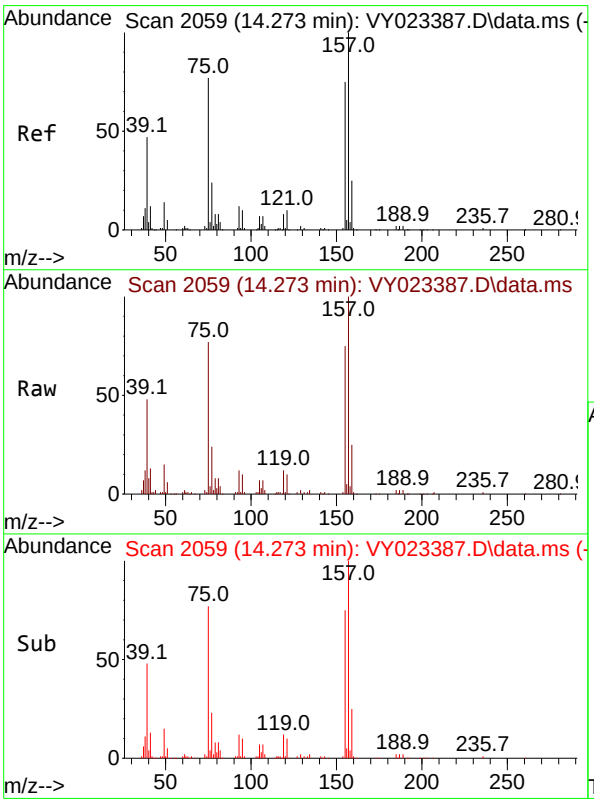
Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	64.2	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

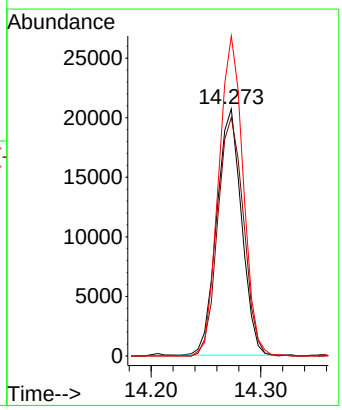
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

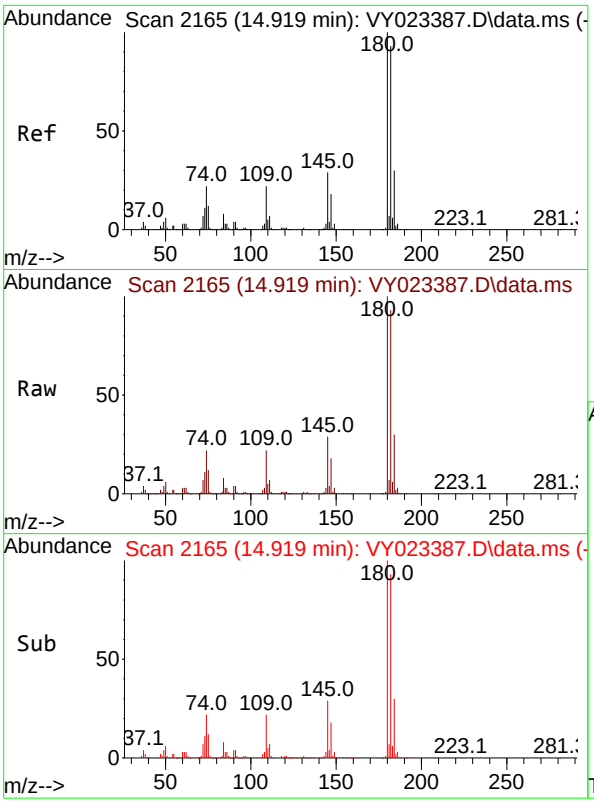


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.184 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 32585

Ion	Ratio	Lower	Upper
75	100		
155	100.0	50.0	150.0
157	127.7	63.8	191.5

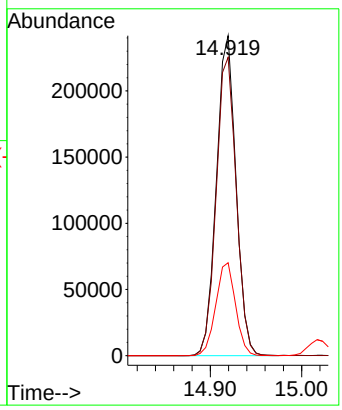




#93
1,2,4-Trichlorobenzene
Concen: 52.852 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:180 Resp: 35983

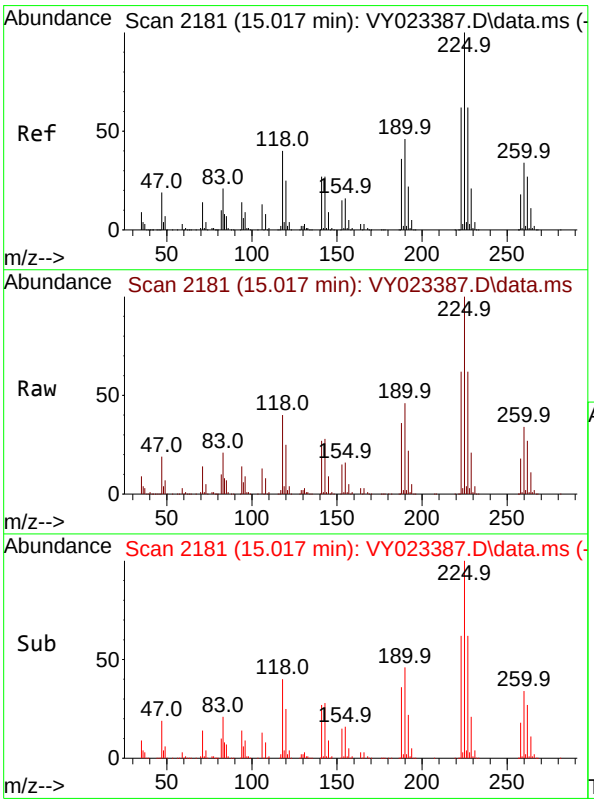
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	29.4	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

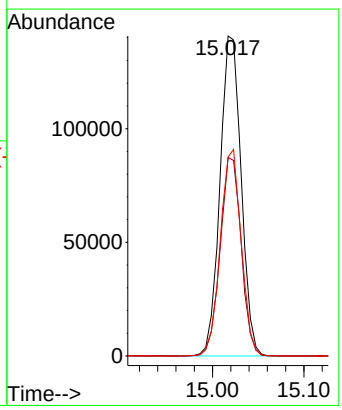
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

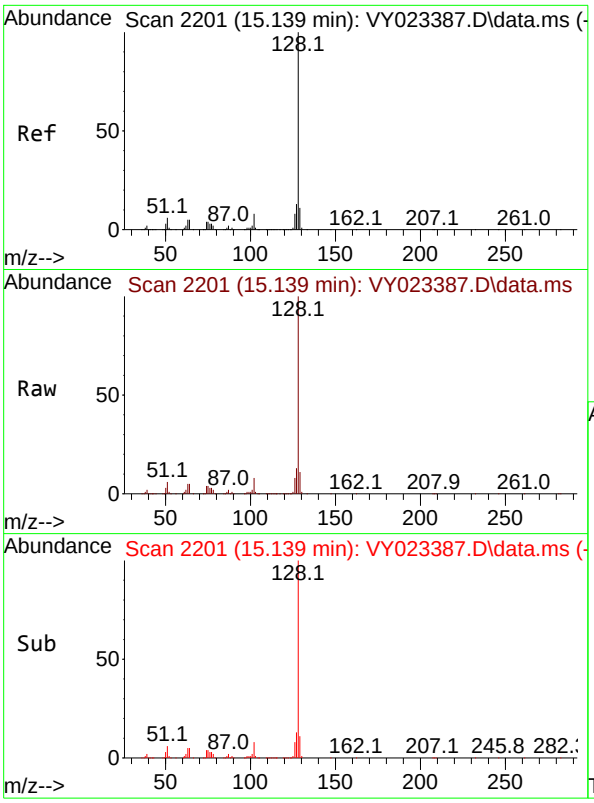


#94
Hexachlorobutadiene
Concen: 53.346 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:225 Resp: 226316

Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.8	92.3
227	63.8	31.9	95.7

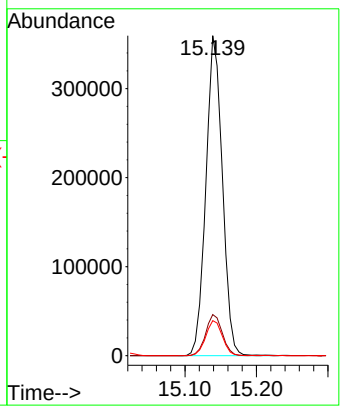




#95
Naphthalene
Concen: 53.012 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:128 Resp: 57504

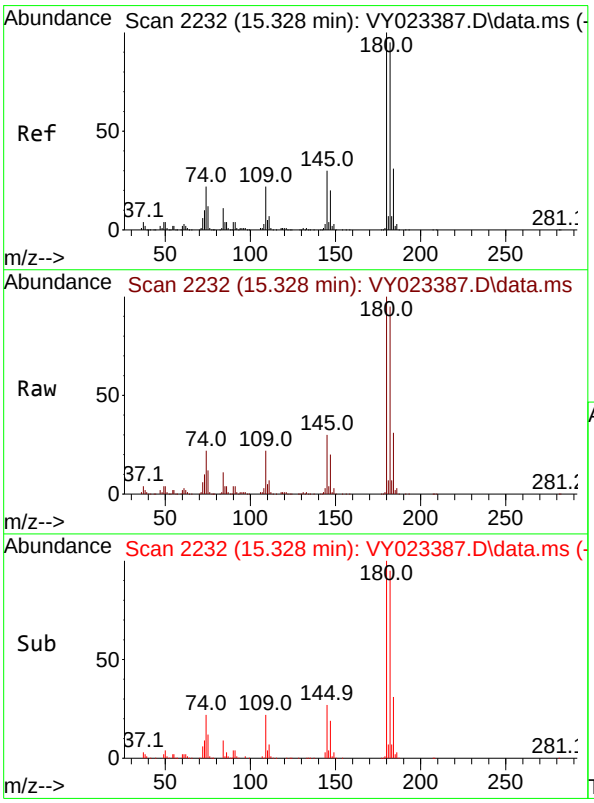
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

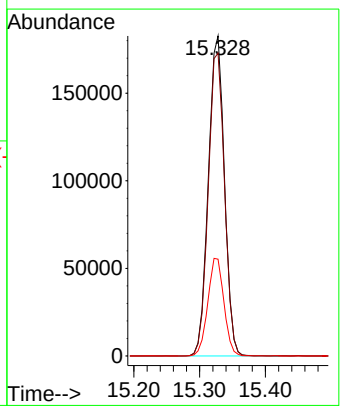
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.628 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:180 Resp: 310831

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	30.6	15.3	45.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	595770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	855682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	764361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	400285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	467005	90.510	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 181.020%#			
35) Dibromofluoromethane	7.634	113	511478	98.497	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 197.000%#			
50) Toluene-d8	10.103	98	1919872	98.031	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 196.060%#			
62) 4-Bromofluorobenzene	12.401	95	636435	103.007	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.020%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	368985	78.627	ug/l	96
3) Chloromethane	2.068	50	521606	78.195	ug/l	96
4) Vinyl Chloride	2.202	62	711235	84.438	ug/l	100
5) Bromomethane	2.586	94	574957	83.210	ug/l	99
6) Chloroethane	2.732	64	491625	85.968	ug/l	99
7) Trichlorofluoromethane	3.049	101	1012851	93.610	ug/l	99
8) Diethyl Ether	3.452	74	266779	94.266	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	511482	88.441	ug/l	100
10) Methyl Iodide	4.001	142	651575	97.495	ug/l	99
11) Tert butyl alcohol	4.866	59	172718	568.898	ug/l	99
12) 1,1-Dichloroethene	3.787	96	508059	91.303	ug/l	96
13) Acrolein	3.647	56	262636	510.573	ug/l	99
14) Allyl chloride	4.378	41	637073	91.446	ug/l	99
15) Acrylonitrile	5.055	53	522511	471.296	ug/l	100
16) Acetone	3.866	43	504700	435.004	ug/l	98
17) Carbon Disulfide	4.104	76	1442005	83.061	ug/l	99
18) Methyl Acetate	4.385	43	316911	107.474	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1300206	99.797	ug/l	97
20) Methylene Chloride	4.610	84	552018	87.742	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	569334	91.999	ug/l	96
22) Diisopropyl ether	6.018	45	1423347	92.133	ug/l	97
23) Vinyl Acetate	5.957	43	3975052	468.098	ug/l	99
24) 1,1-Dichloroethane	5.915	63	911619	89.517	ug/l	99
25) 2-Butanone	6.890	43	685693	478.154	ug/l	99
26) 2,2-Dichloropropane	6.884	77	833452	92.108	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	670773	95.557	ug/l	98
28) Bromochloromethane	7.244	49	321657	81.418	ug/l	99
29) Tetrahydrofuran	7.262	42	415867	488.587	ug/l	99
30) Chloroform	7.421	83	1003722	91.401	ug/l	100
31) Cyclohexane	7.701	56	767083	85.293	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	910837	92.399	ug/l	100
36) 1,1-Dichloropropene	7.835	75	692477	94.516	ug/l	99
37) Ethyl Acetate	6.982	43	280560	96.859	ug/l	98
38) Carbon Tetrachloride	7.817	117	833170	97.894	ug/l	99
39) Methylcyclohexane	9.109	83	947664	101.024	ug/l	99
40) Benzene	8.079	78	2192645	96.000	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	152239	101.200	ug/l		98
42) 1,2-Dichloroethane	8.158	62	554810	95.449	ug/l		100
43) Isopropyl Acetate	8.195	43	573653	101.815	ug/l		99
44) Trichloroethene	8.866	130	636149	99.245	ug/l		100
45) 1,2-Dichloropropane	9.140	63	485084	94.381	ug/l		99
46) Dibromomethane	9.231	93	309964	98.596	ug/l		99
47) Bromodichloromethane	9.420	83	769238	97.210	ug/l		99
48) Methyl methacrylate	9.219	41	282582	107.476	ug/l		99
49) 1,4-Dioxane	9.225	88	77305	2374.722	ug/l		99
51) 4-Methyl-2-Pentanone	9.993	43	1539324	533.386	ug/l		100
52) Toluene	10.170	92	1462927	100.905	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	710475	104.537	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	822967	101.302	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	417623	99.875	ug/l		96
56) Ethyl methacrylate	10.438	69	549366	114.077	ug/l		99
57) 1,3-Dichloropropane	10.713	76	670961	99.140	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	1240361	588.731	ug/l		99
59) 2-Hexanone	10.755	43	1081568	541.284	ug/l		99
60) Dibromochloromethane	10.908	129	593878	104.133	ug/l		100
61) 1,2-Dibromoethane	11.011	107	406293	103.280	ug/l		99
64) Tetrachloroethene	10.646	164	767753	100.406	ug/l		99
65) Chlorobenzene	11.438	112	1655143	99.649	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	586878	100.470	ug/l		99
67) Ethyl Benzene	11.517	91	2788252	102.856	ug/l		98
68) m/p-Xylenes	11.627	106	2243033	206.437	ug/l		100
69) o-Xylene	11.950	106	1072335	106.611	ug/l		99
70) Styrene	11.969	104	1782757	107.344	ug/l		100
71) Bromoform	12.127	173	373208	106.727	ug/l	#	100
73) Isopropylbenzene	12.249	105	2741698	102.825	ug/l		100
74) N-amyl acetate	12.066	43	532255	106.818	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	434720	97.735	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	364622m	92.345	ug/l		
77) Bromobenzene	12.529	156	701741	102.545	ug/l		100
78) n-propylbenzene	12.590	91	3165894	100.958	ug/l		99
79) 2-Chlorotoluene	12.676	91	1800124	99.426	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	2219080	102.374	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	148302	101.273	ug/l		98
82) 4-Chlorotoluene	12.773	91	1854165	98.060	ug/l		99
83) tert-Butylbenzene	12.993	119	2028198	102.684	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	2227197	103.853	ug/l		100
85) sec-Butylbenzene	13.170	105	2932949	102.530	ug/l		100
86) p-Isopropyltoluene	13.285	119	2548220	105.408	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	1361716	100.735	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	1323618	98.734	ug/l		100
89) n-Butylbenzene	13.615	91	2223744	104.174	ug/l		99
90) Hexachloroethane	13.877	117	514746	98.069	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	1193043	101.146	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	70107	99.458	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	806328	116.031	ug/l		99
94) Hexachlorobutadiene	15.017	225	470072	108.557	ug/l		99
95) Naphthalene	15.139	128	1378291	124.485	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	693477	115.034	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

ICAL Form

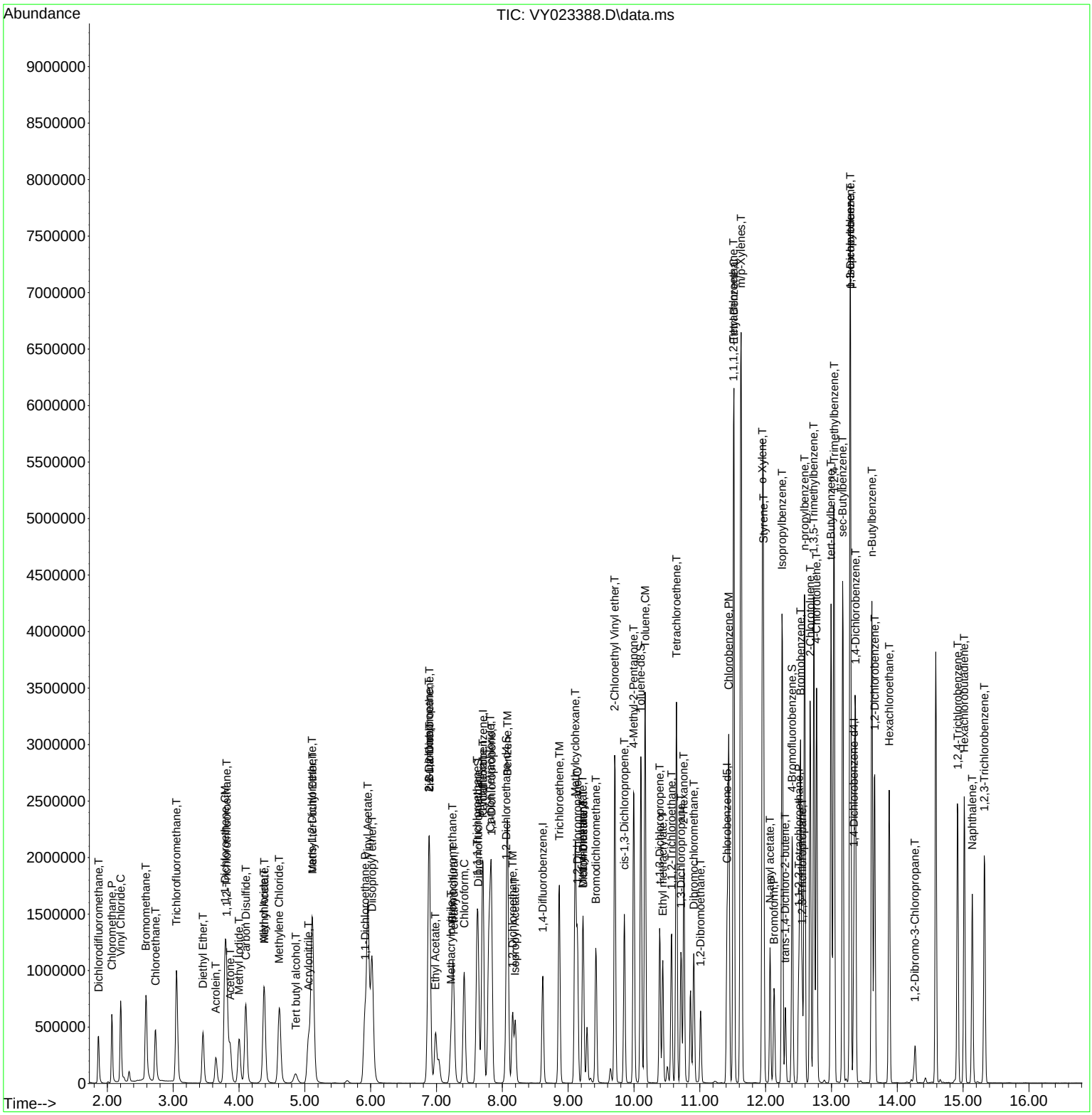
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

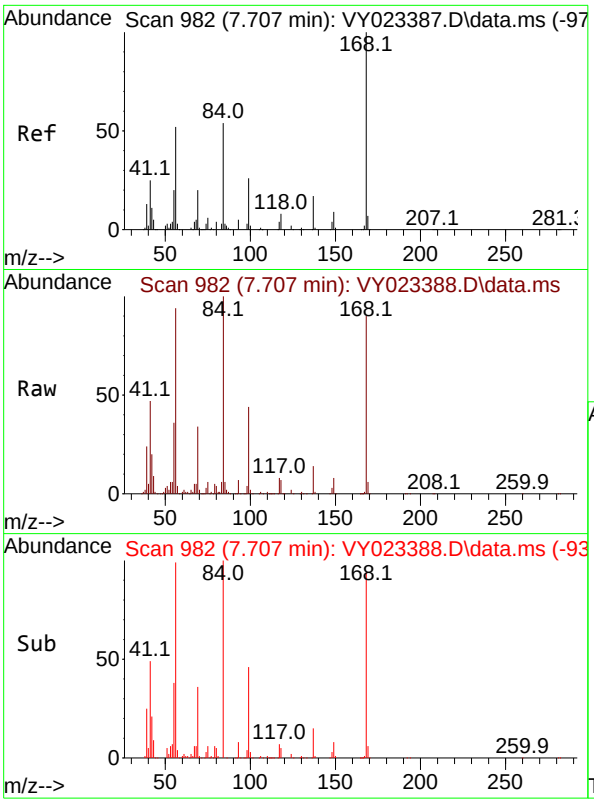
Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

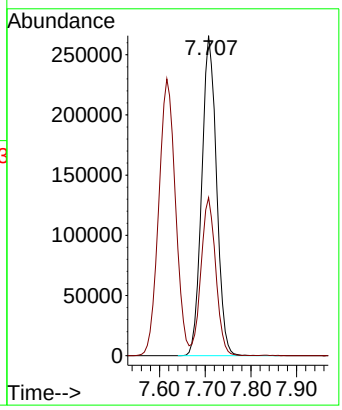




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:168 Resp: 59577

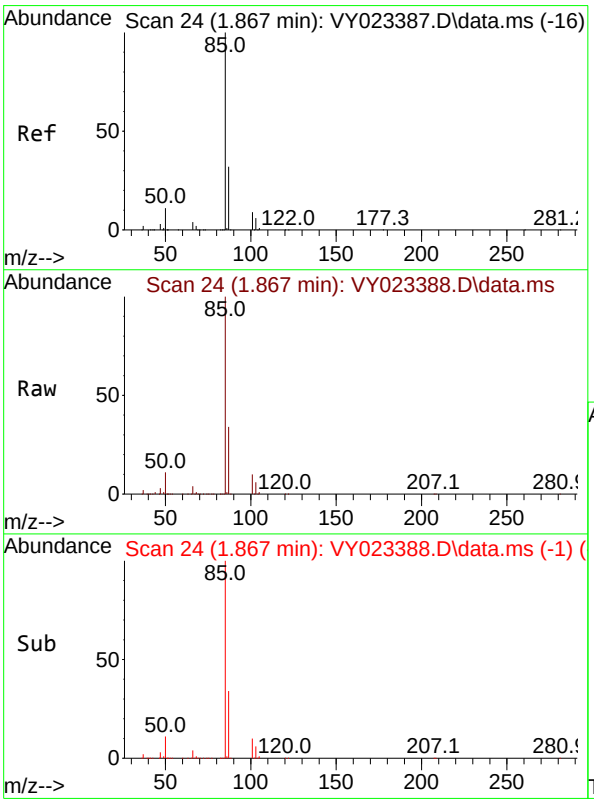
Ion	Ratio	Lower	Upper
168	100		
99	49.3	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

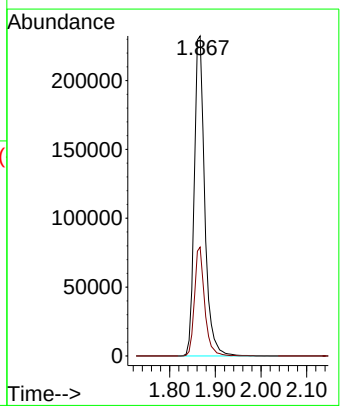
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

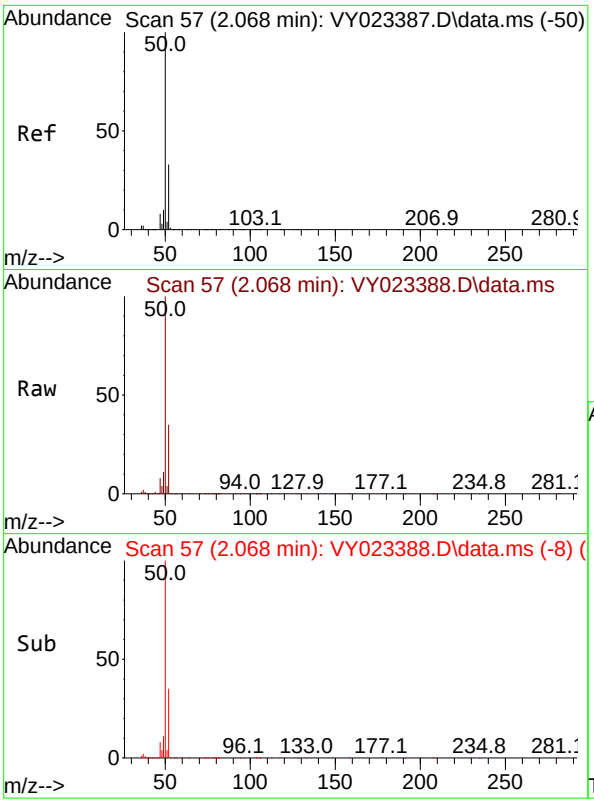


#2
Dichlorodifluoromethane
Concen: 78.627 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 85 Resp: 368985

Ion	Ratio	Lower	Upper
85	100		
87	34.0	16.0	47.9

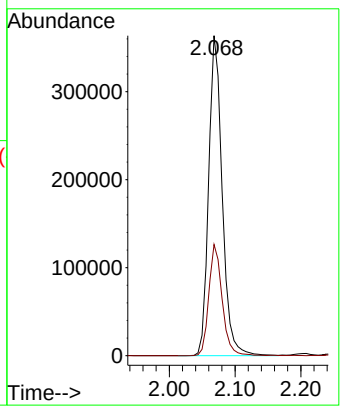




#3
Chloromethane
Concen: 78.195 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 50 Resp: 52160

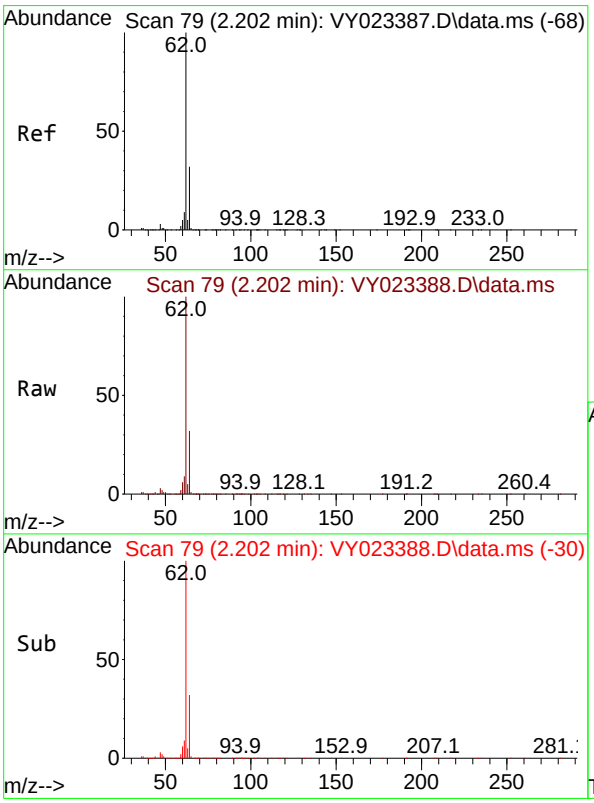
Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

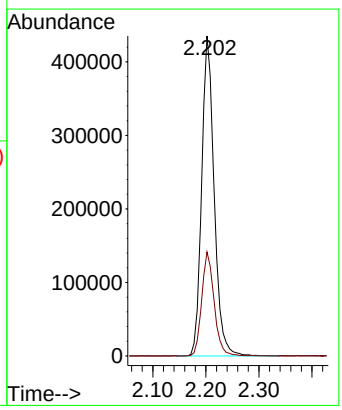
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

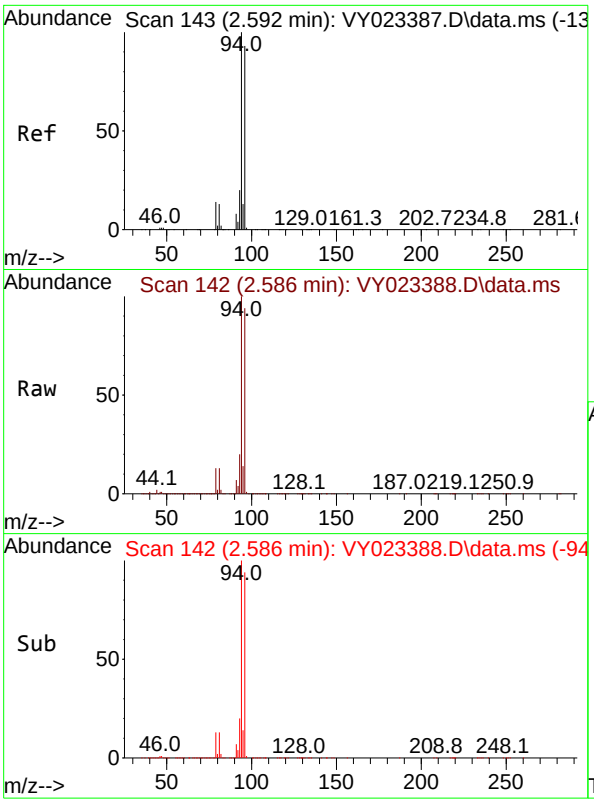


#4
Vinyl Chloride
Concen: 84.438 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 62 Resp: 711235

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.8	38.8

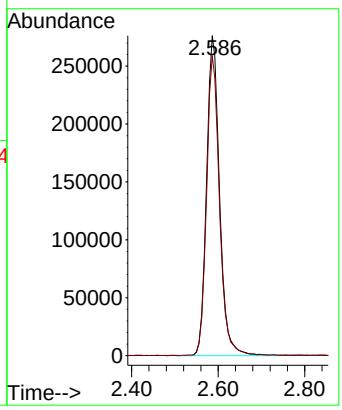




#5
Bromomethane
Concen: 83.210 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 94 Resp: 57495

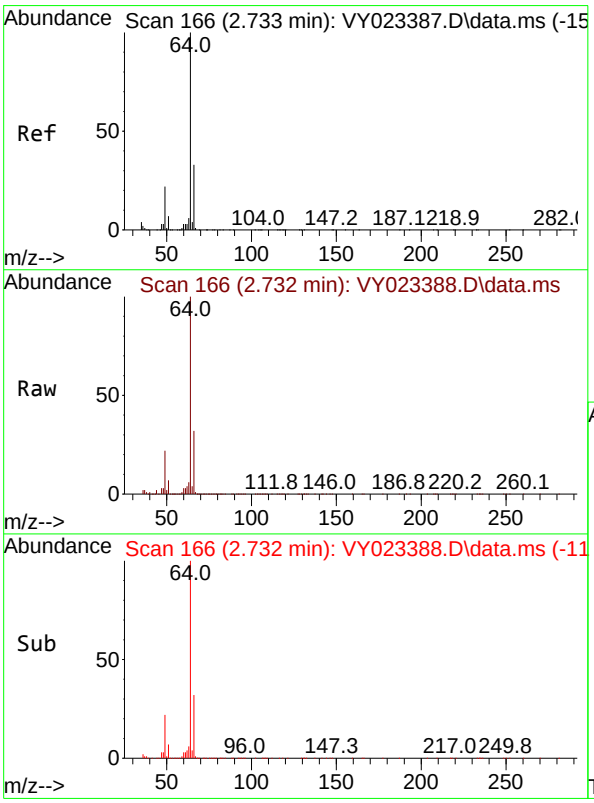
Ion	Ratio	Lower	Upper
94	100		
96	93.7	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

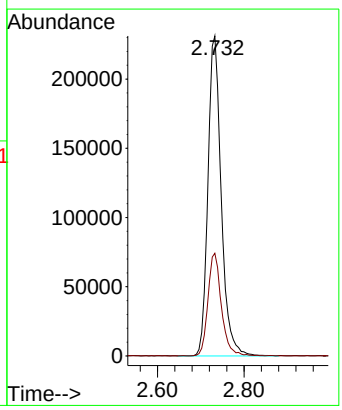
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

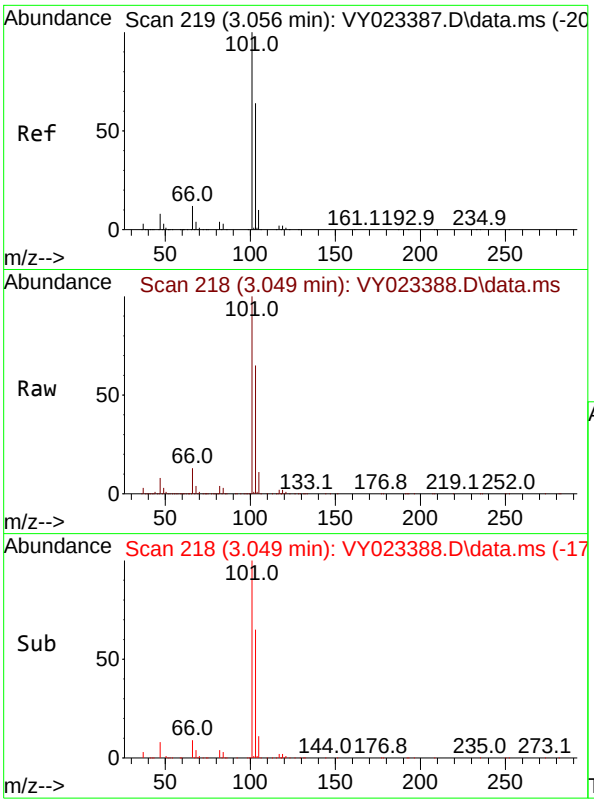


#6
Chloroethane
Concen: 85.968 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 64 Resp: 491625

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.2	39.4





#7
Trichlorofluoromethane
Concen: 93.610 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

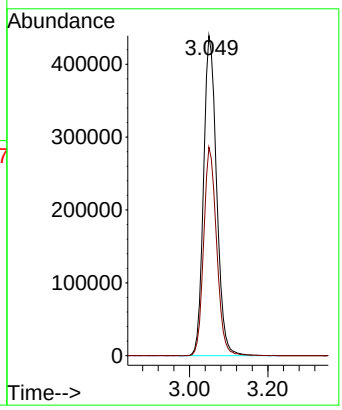
Tgt Ion:101 Resp: 101285

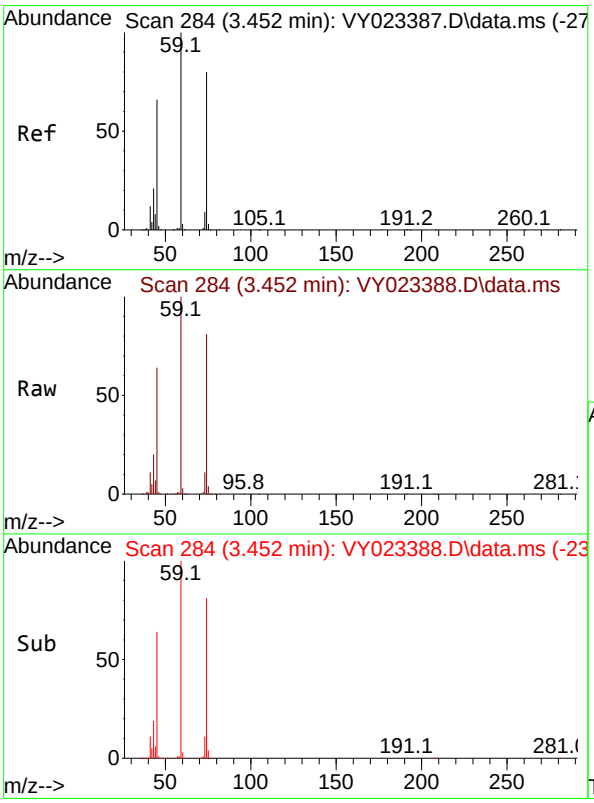
Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

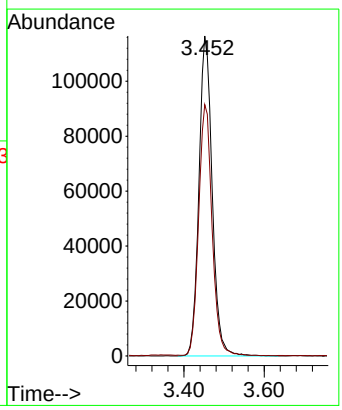


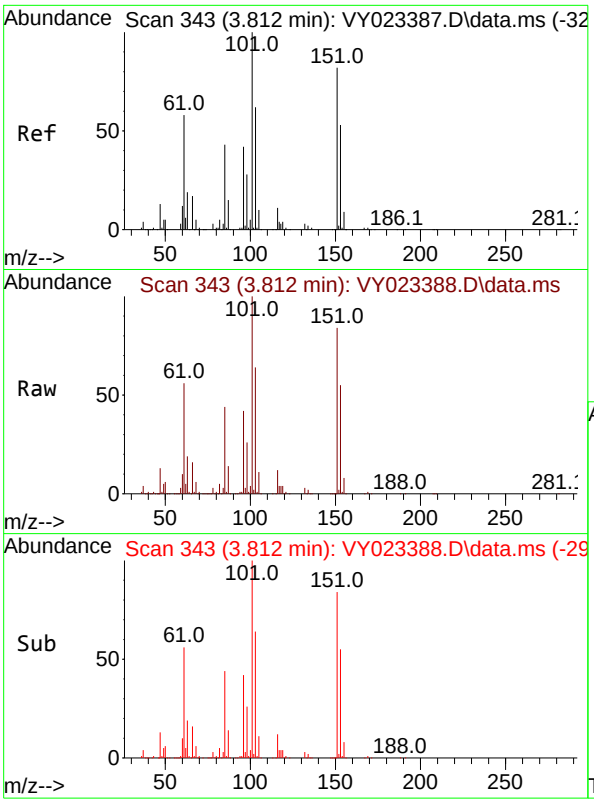


#8
Diethyl Ether
Concen: 94.266 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 74 Resp: 266779

Ion	Ratio	Lower	Upper
74	100		
45	79.9	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 88.441 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

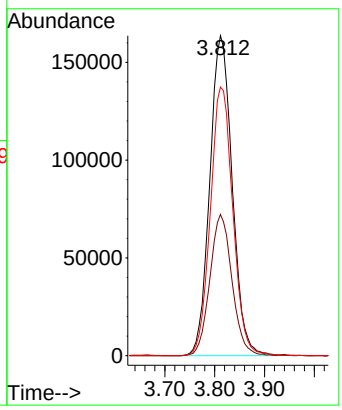
Tgt Ion:101 Resp: 51148

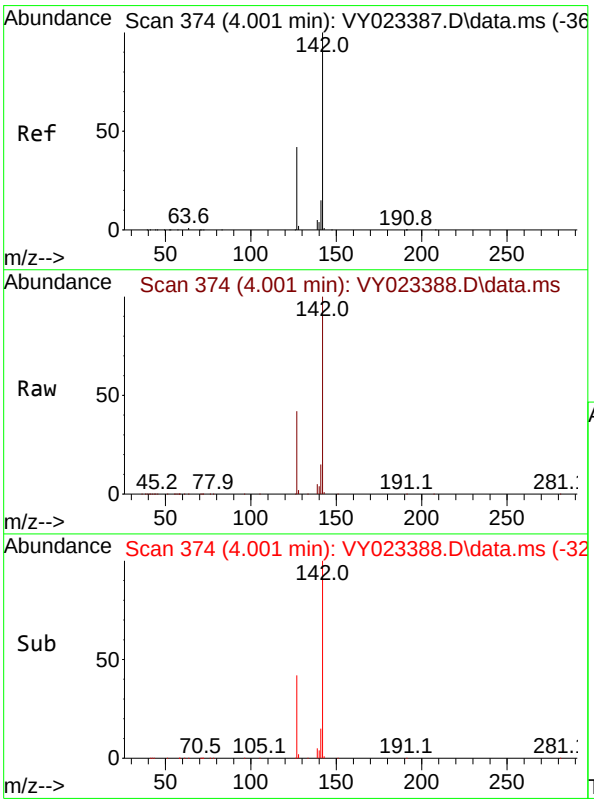
Ion	Ratio	Lower	Upper
101	100		
85	43.6	34.6	51.8
151	84.1	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
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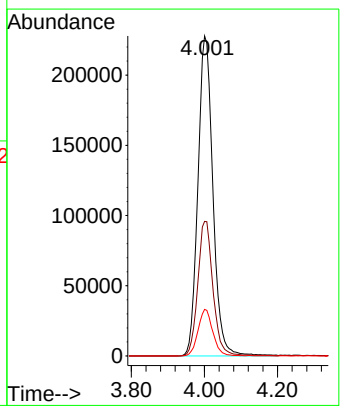


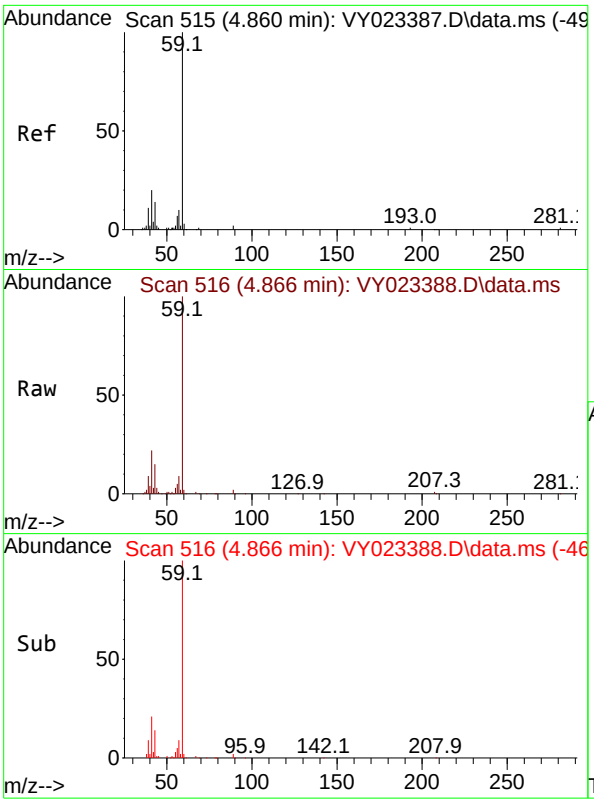


#10
Methyl Iodide
Concen: 97.495 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:142 Resp: 651575

Ion	Ratio	Lower	Upper
142	100		
127	42.7	34.8	52.2
141	14.3	11.6	17.4

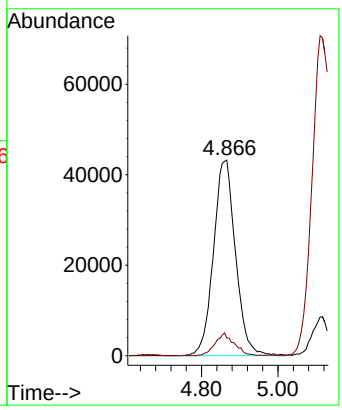




#11
Tert butyl alcohol
Concen: 568.898 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 59 Resp: 17271

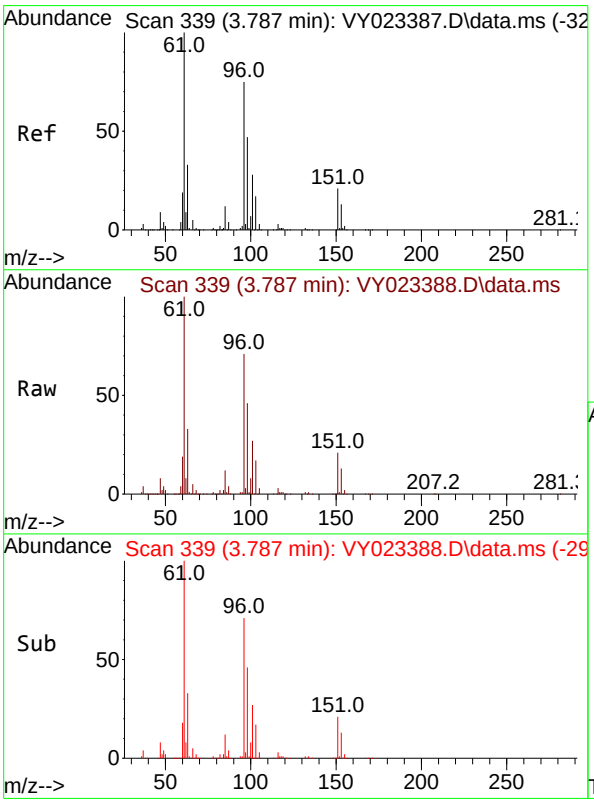
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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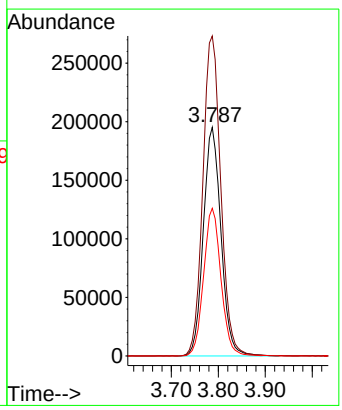
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

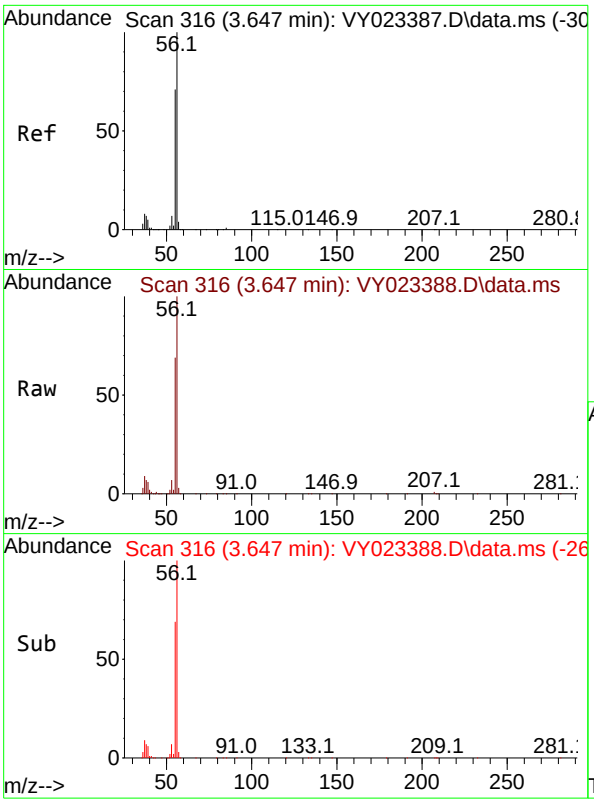


#12
1,1-Dichloroethene
Concen: 91.303 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 96 Resp: 508059

Ion	Ratio	Lower	Upper
96	100		
61	139.9	106.7	160.1
98	64.6	50.2	75.4

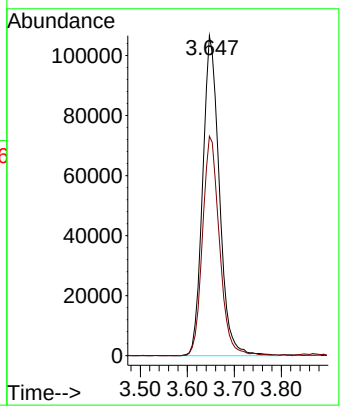




#13
Acrolein
Concen: 510.573 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 56 Resp: 26263

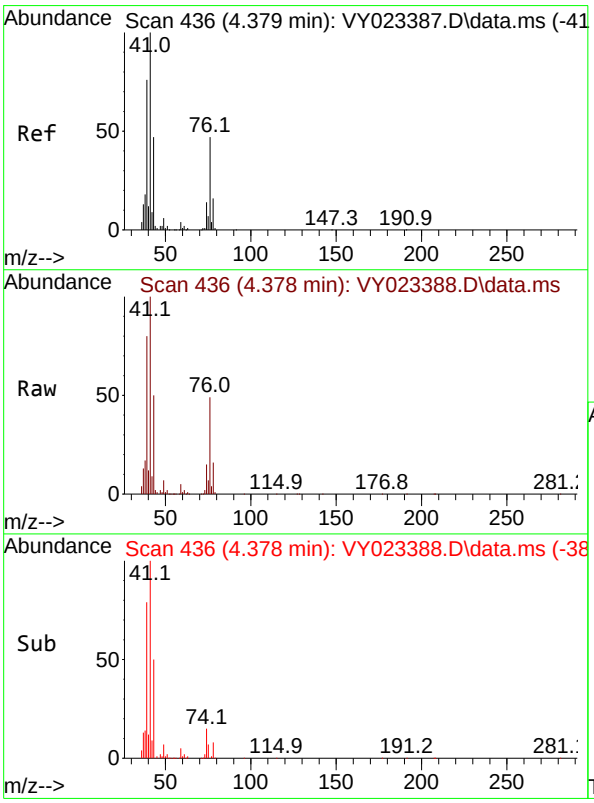
Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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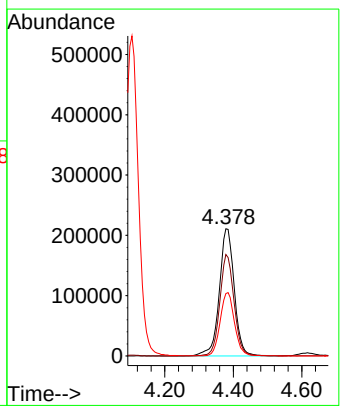
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

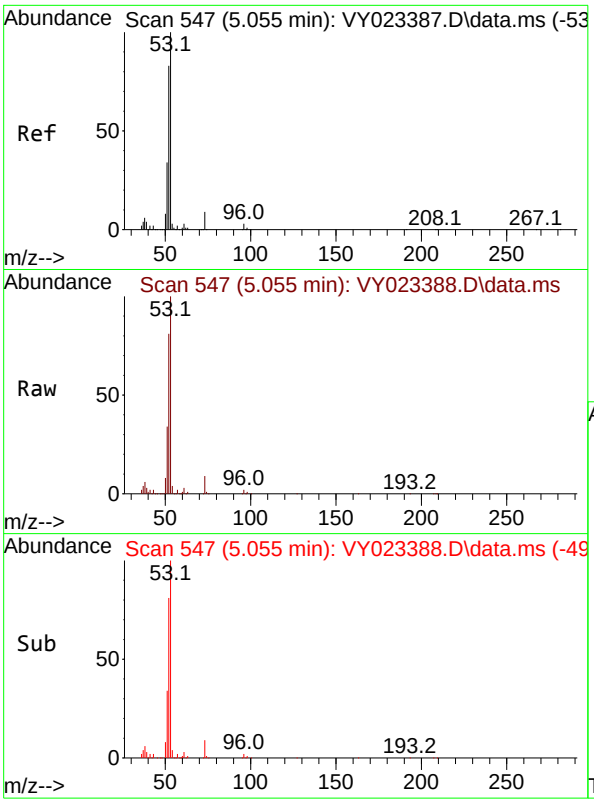


#14
Allyl chloride
Concen: 91.446 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 41 Resp: 637073

Ion	Ratio	Lower	Upper
41	100		
39	75.8	59.9	89.9
76	47.5	38.0	57.0

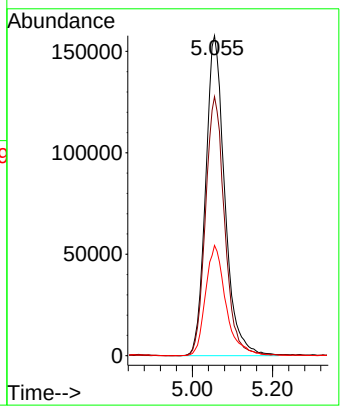




#15
Acrylonitrile
Concen: 471.296 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 53 Resp: 52251

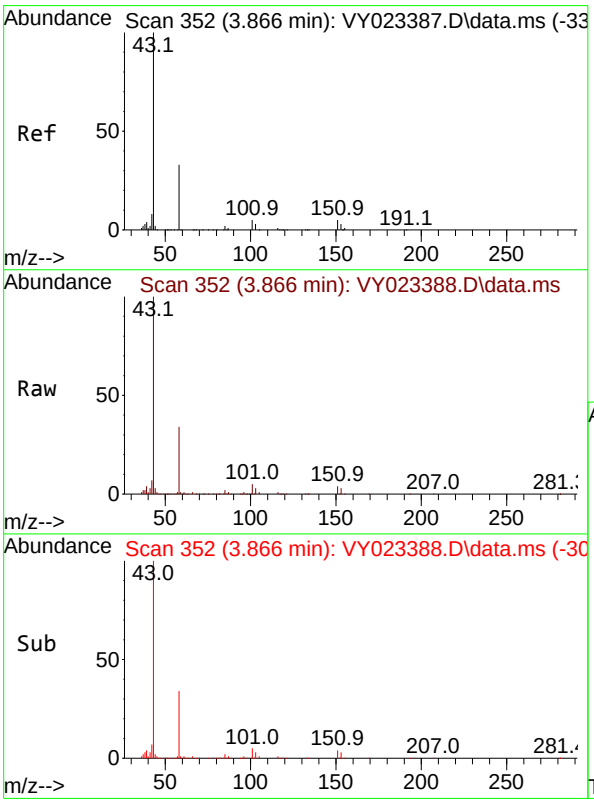
Ion	Ratio	Lower	Upper
53	100		
52	81.2	64.6	97.0
51	36.7	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

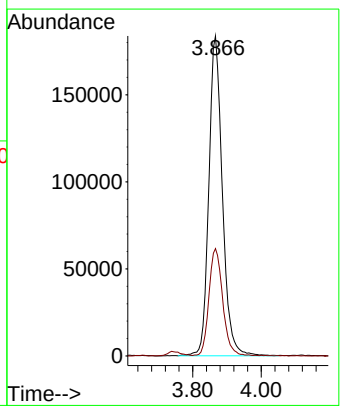
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

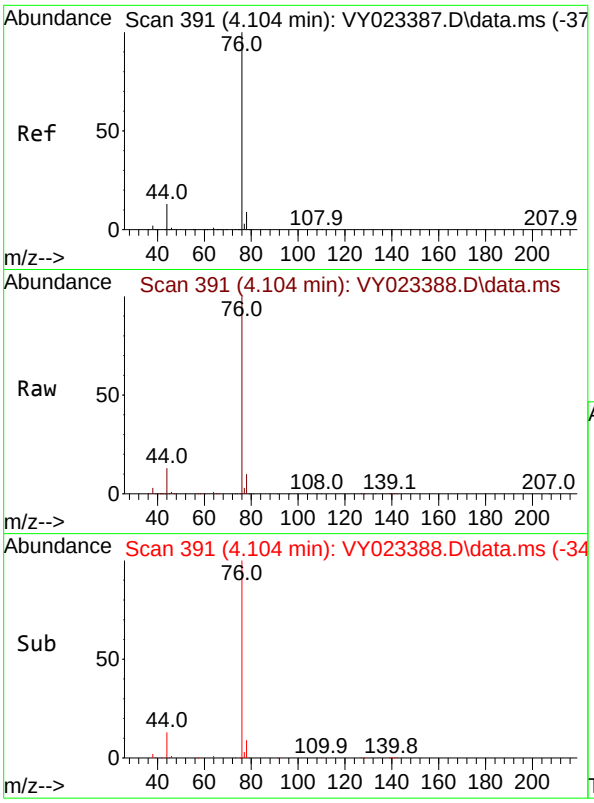


#16
Acetone
Concen: 435.004 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 504700

Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.7	41.5

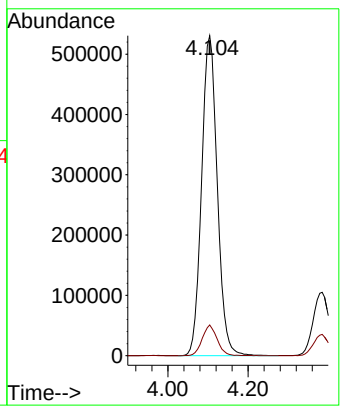




#17
Carbon Disulfide
Concen: 83.061 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 76 Resp: 144200

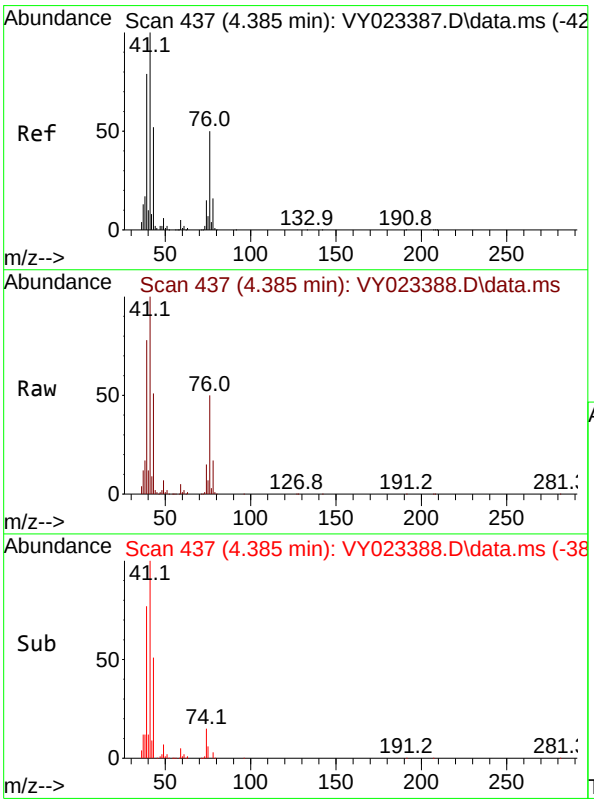
Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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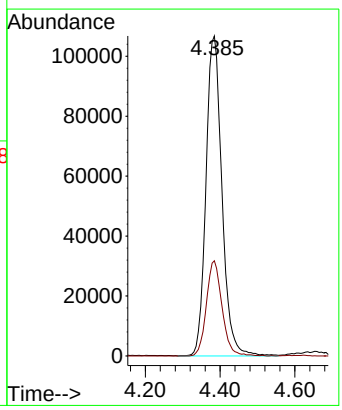
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

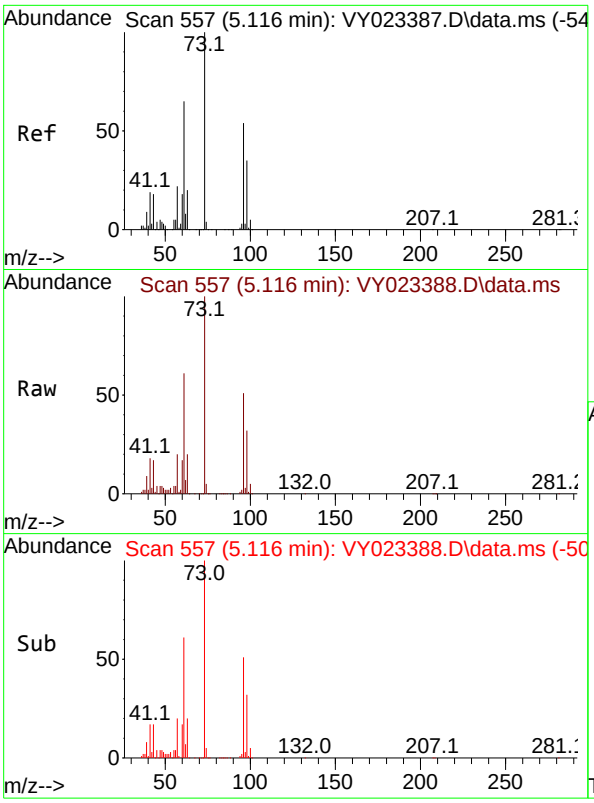


#18
Methyl Acetate
Concen: 107.474 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 316911

Ion	Ratio	Lower	Upper
43	100		
74	29.1	24.2	36.4

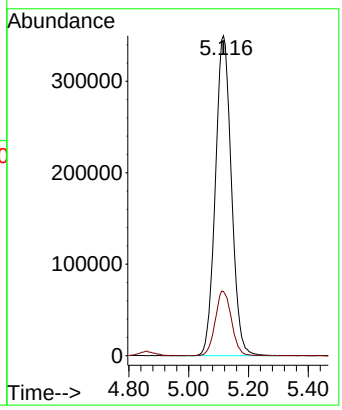




#19
Methyl tert-butyl Ether
Concen: 99.797 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 73 Resp: 130020

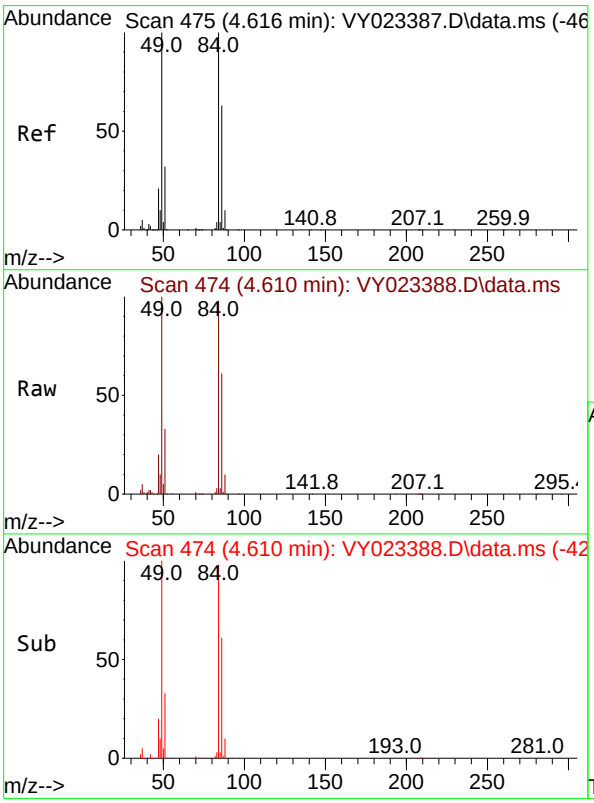
Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

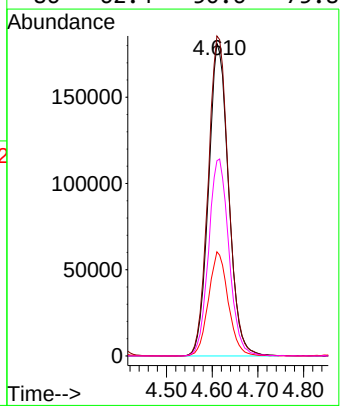
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

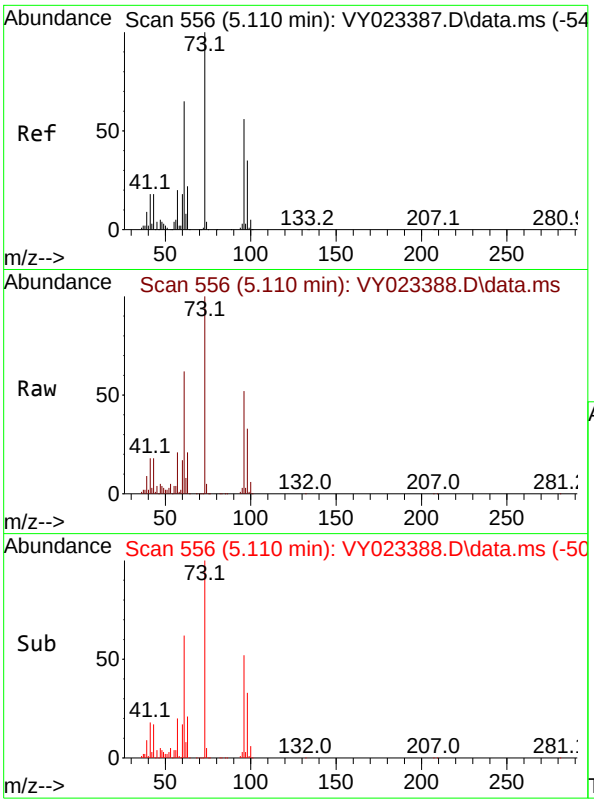


#20
Methylene Chloride
Concen: 87.742 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 84 Resp: 552018

Ion	Ratio	Lower	Upper
84	100		
49	102.4	80.2	120.4
51	33.3	25.9	38.9
86	62.4	50.6	75.8

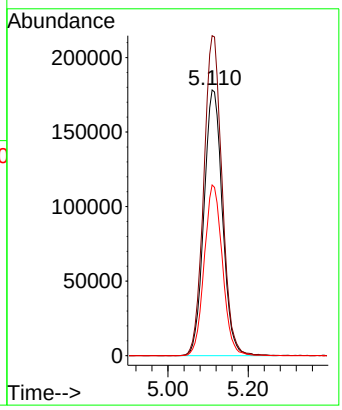




#21
trans-1,2-Dichloroethene
Concen: 91.999 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 96 Resp: 56933

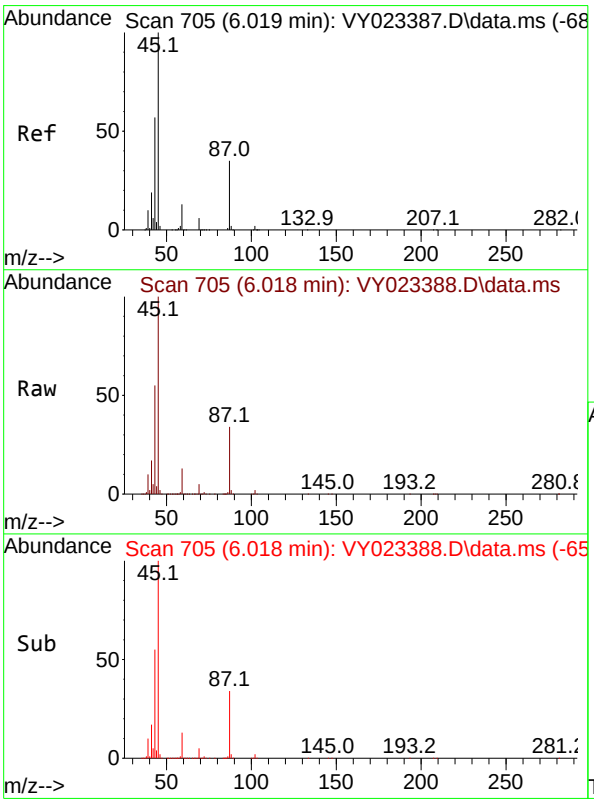
Ion	Ratio	Lower	Upper
96	100		
61	120.4	92.7	139.1
98	64.2	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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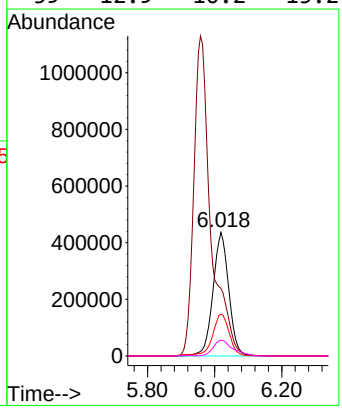
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

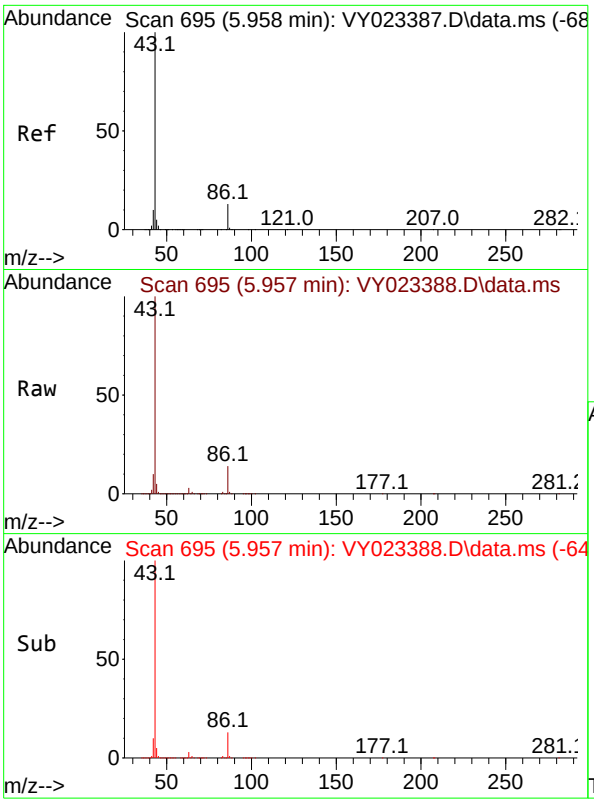


#22
Diisopropyl ether
Concen: 92.133 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 45 Resp: 1423347

Ion	Ratio	Lower	Upper
45	100		
43	54.4	45.6	68.4
87	33.8	28.1	42.1
59	12.9	10.2	15.2

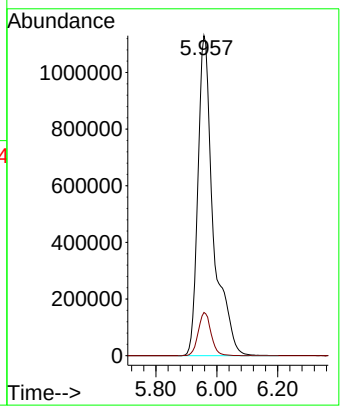




#23
Vinyl Acetate
Concen: 468.098 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 397505

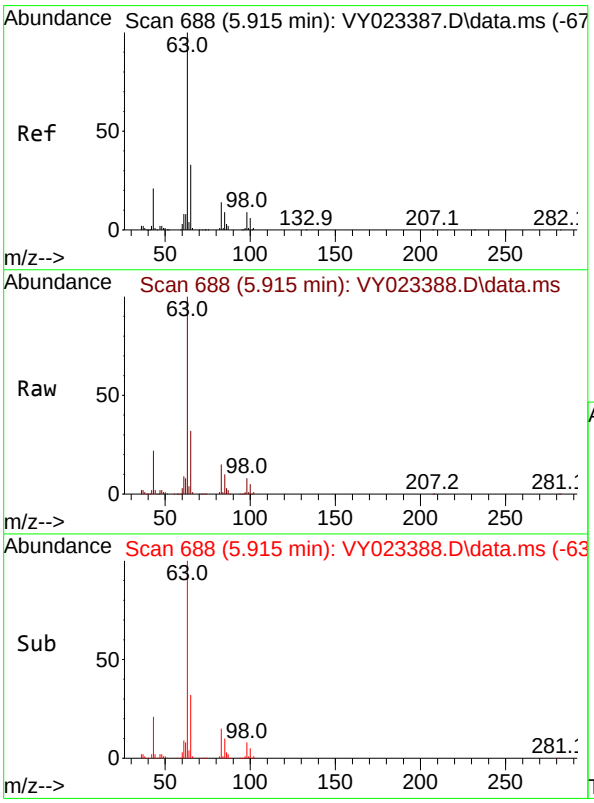
Ion	Ratio	Lower	Upper
43	100		
86	13.5	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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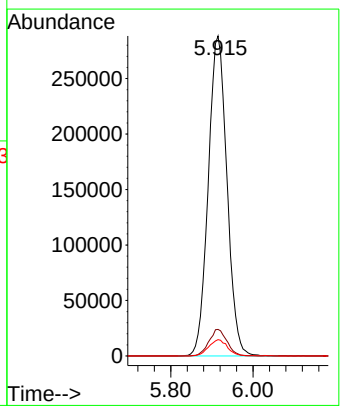
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

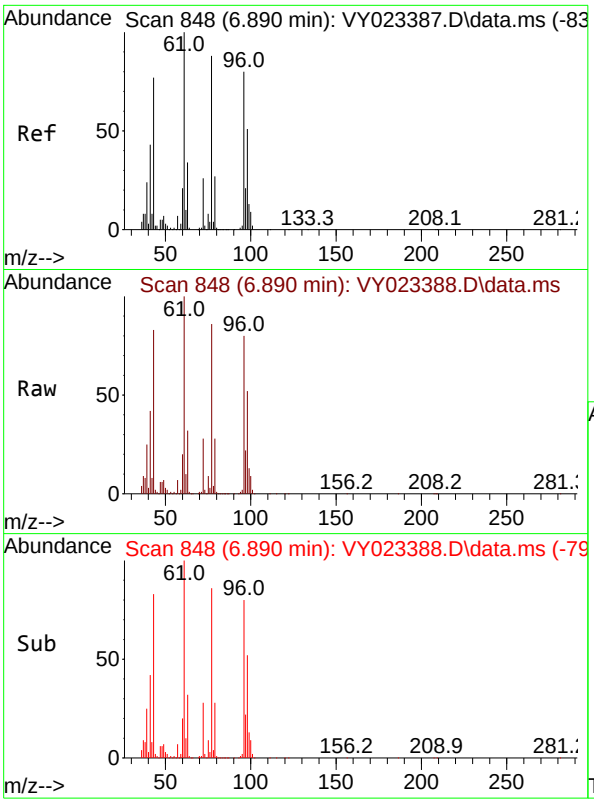


#24
1,1-Dichloroethane
Concen: 89.517 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 63 Resp: 911619

Ion	Ratio	Lower	Upper
63	100		
98	8.3	4.3	13.1
100	5.1	2.8	8.4





#25
2-Butanone
Concen: 478.154 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

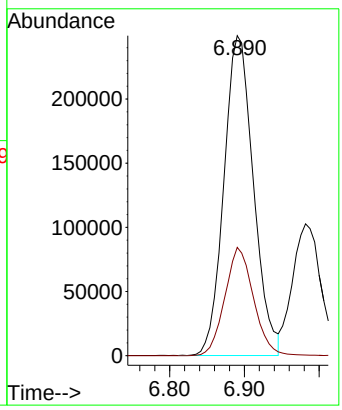
Tgt Ion: 43 Resp: 68569

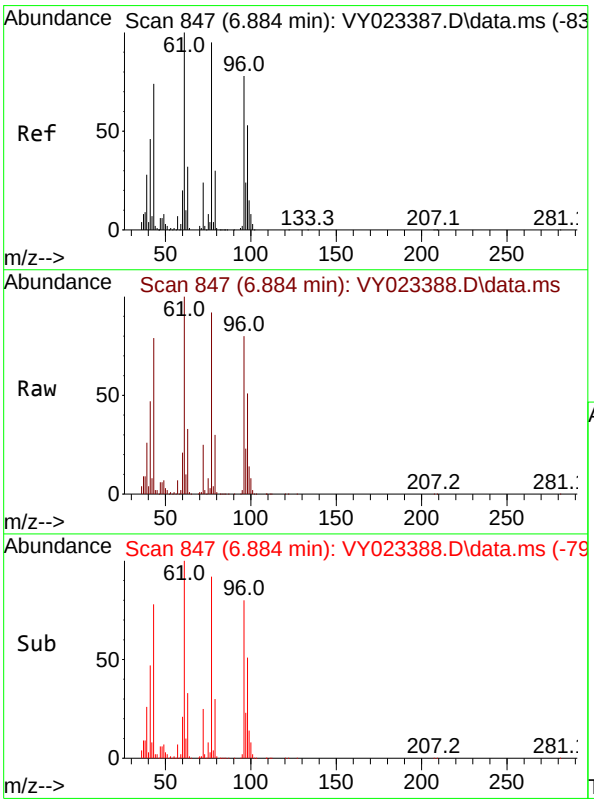
Ion	Ratio	Lower	Upper
43	100		
72	33.9	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

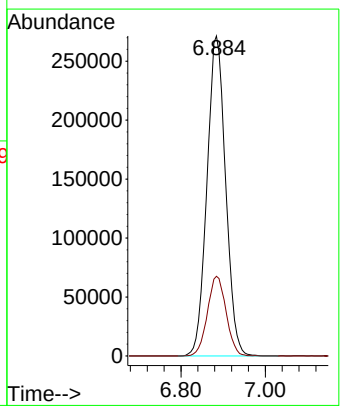


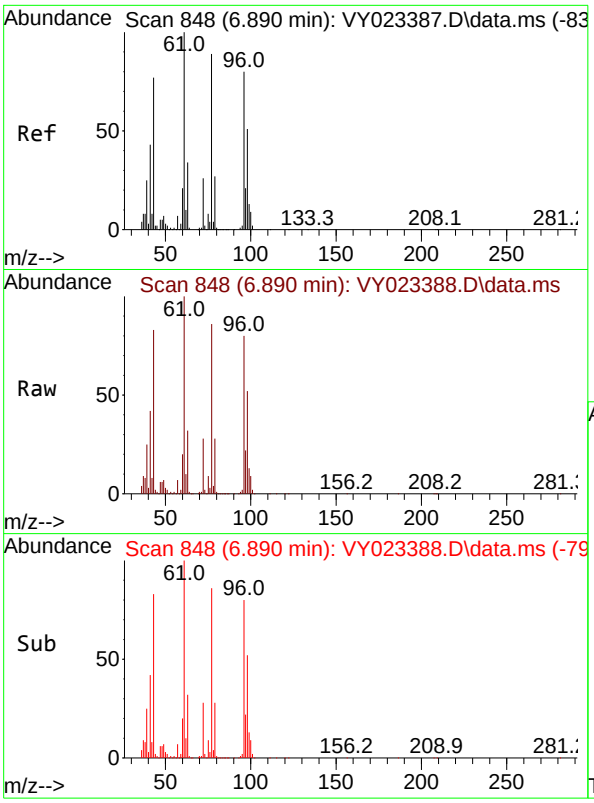


#26
2,2-Dichloropropane
Concen: 92.108 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 77 Resp: 833452

Ion	Ratio	Lower	Upper
77	100		
97	25.0	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 95.557 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

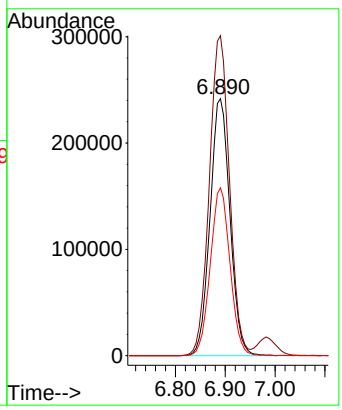
Tgt Ion: 96 Resp: 67077

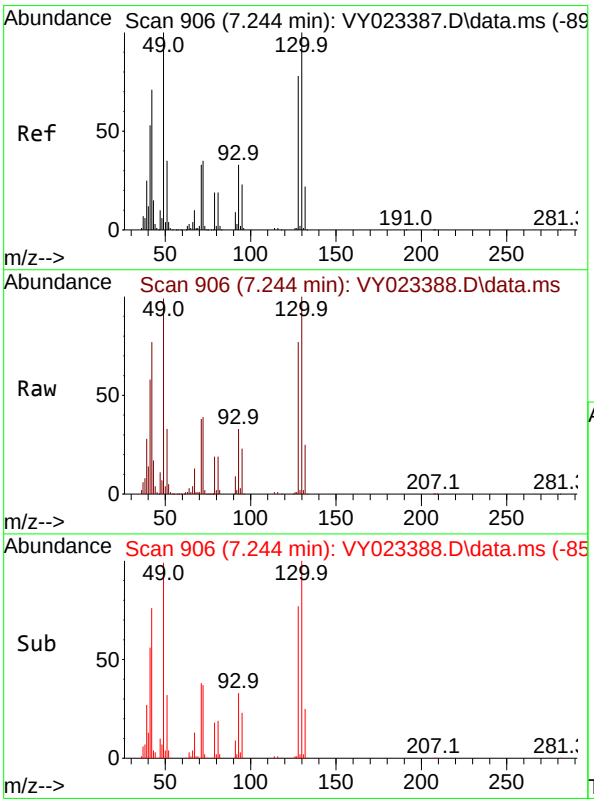
Ion	Ratio	Lower	Upper
96	100		
61	125.9	0.0	258.2
98	64.7	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

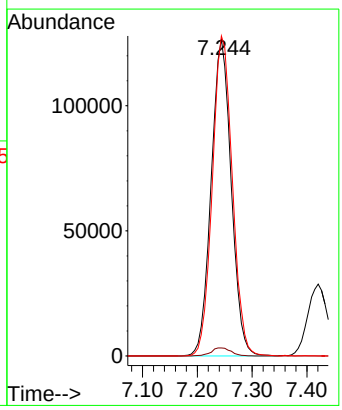


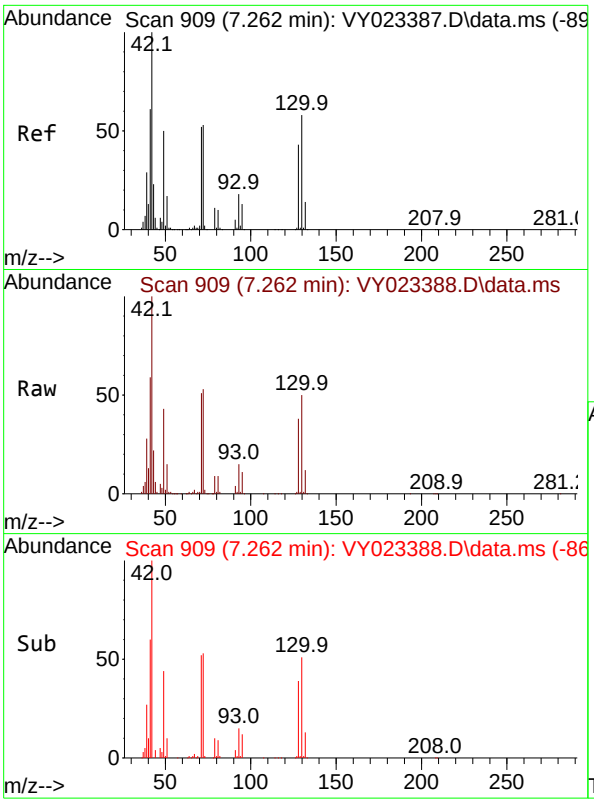


#28
Bromochloromethane
Concen: 81.418 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 49 Resp: 321657

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.6
130	100.9	81.9	122.9

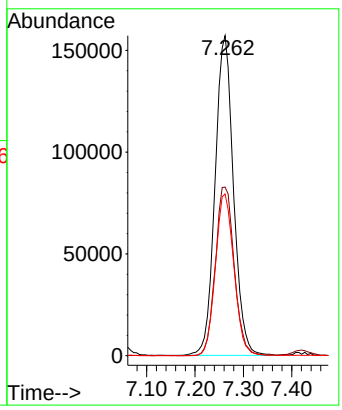




#29
Tetrahydrofuran
Concen: 488.587 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 42 Resp: 41586

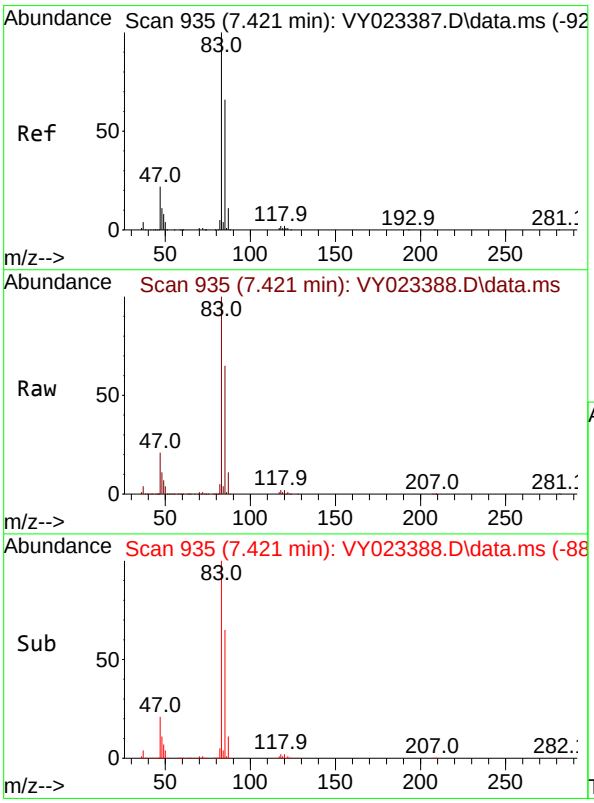
Ion	Ratio	Lower	Upper
42	100		
72	54.1	43.0	64.6
71	50.9	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

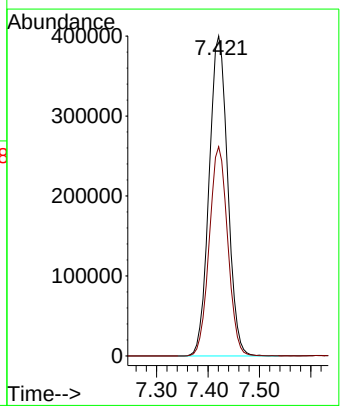
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

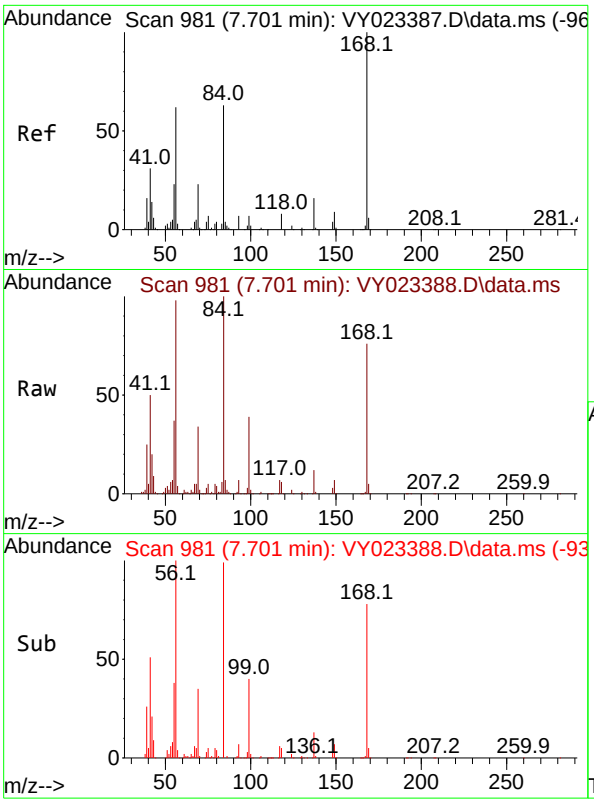


#30
Chloroform
Concen: 91.401 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 83 Resp: 1003722

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.5	78.7





#31
Cyclohexane
Concen: 85.293 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

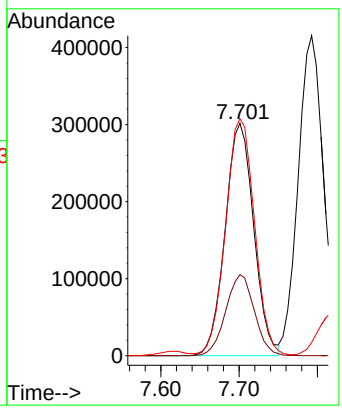
Tgt Ion: 56 Resp: 76708

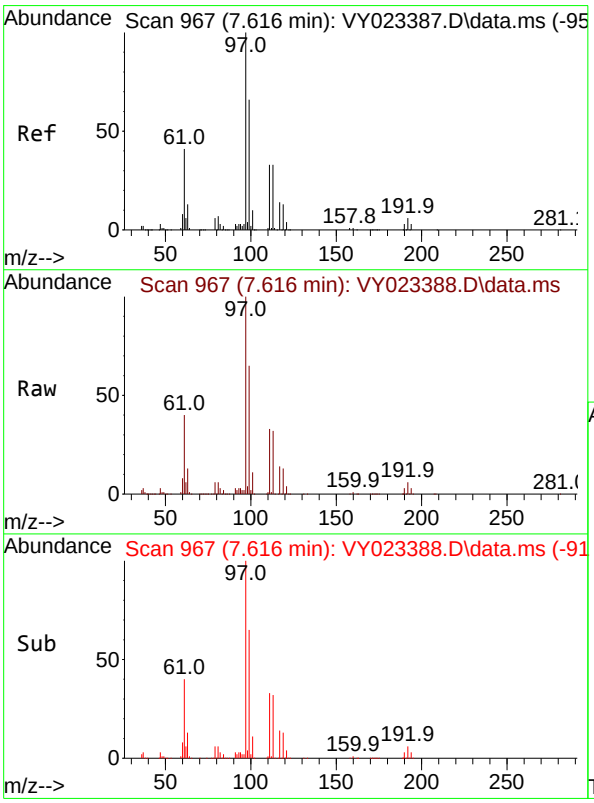
Ion	Ratio	Lower	Upper
56	100		
69	34.9	30.0	45.0
84	100.2	81.2	121.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

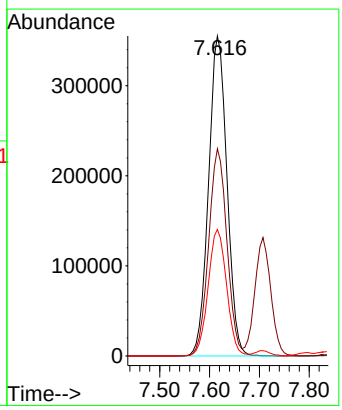


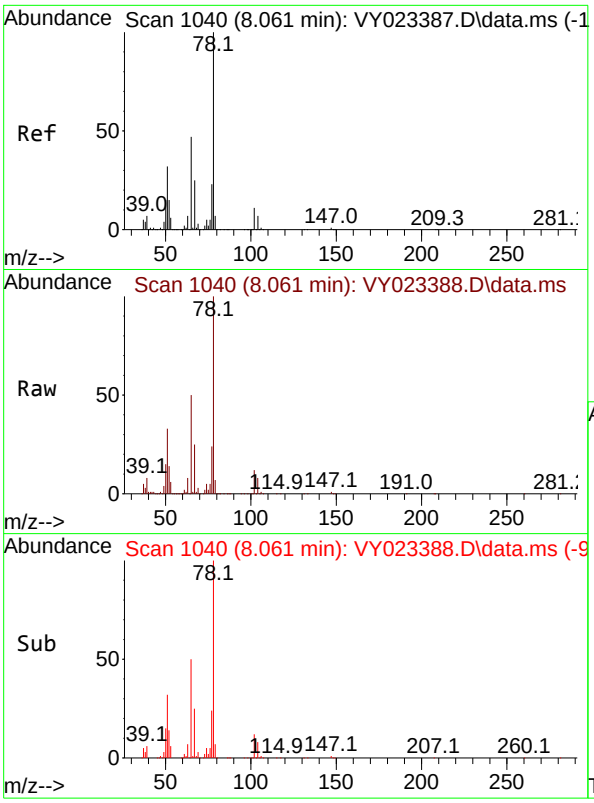


#32
1,1,1-Trichloroethane
Concen: 92.399 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 97 Resp: 910837

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	39.7	31.9	47.9





#33
1,2-Dichloroethane-d4
Concen: 90.510 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

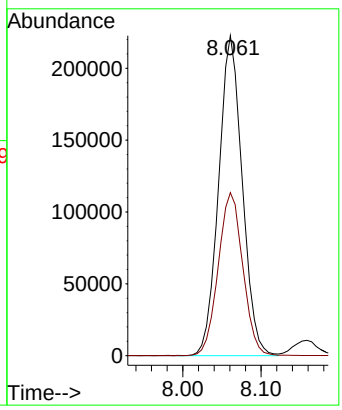
Tgt Ion: 65 Resp: 46700

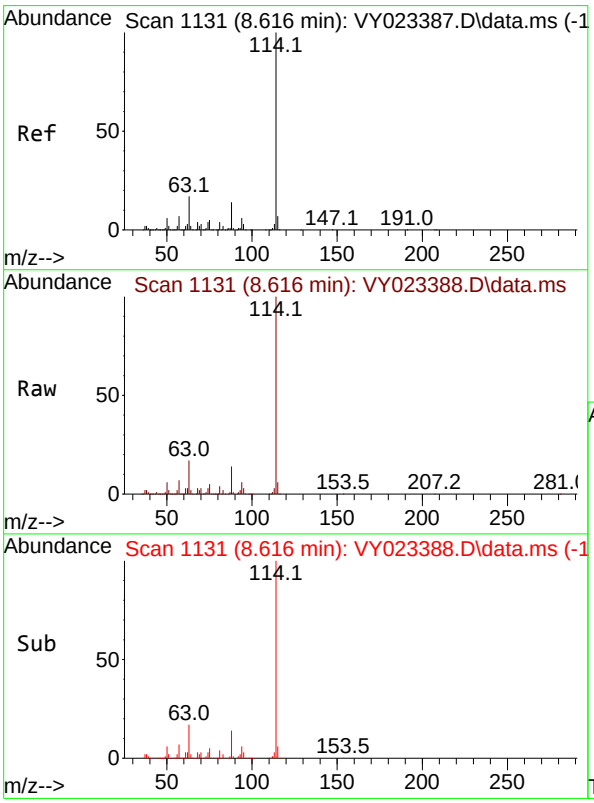
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

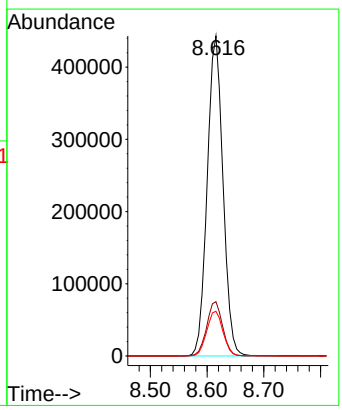


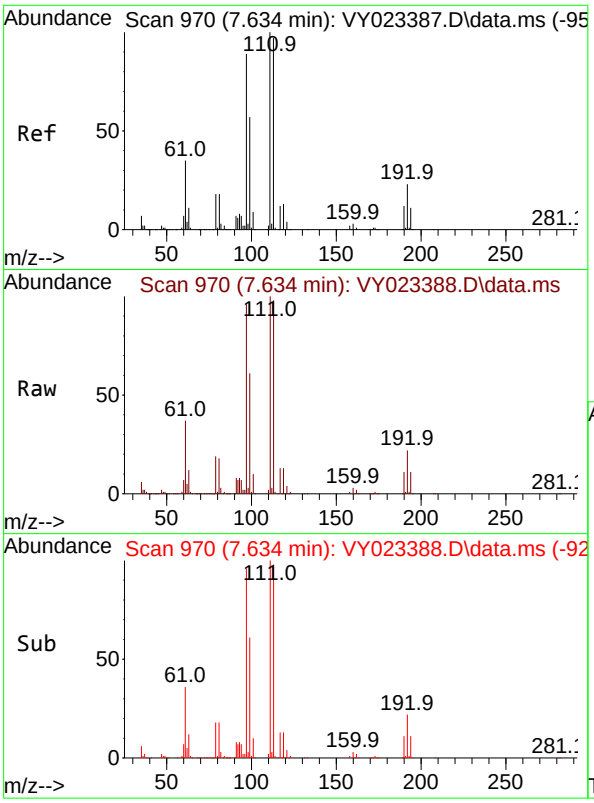


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:114 Resp: 855682

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	34.2
88	13.9	0.0	28.4





#35
Dibromofluoromethane
Concen: 98.497 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

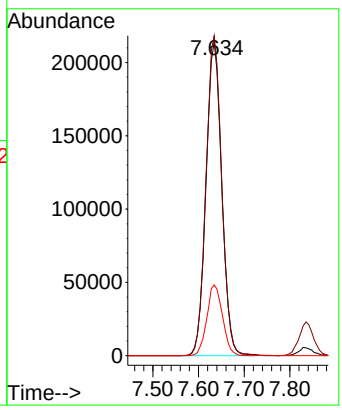
Tgt Ion:113 Resp: 51147

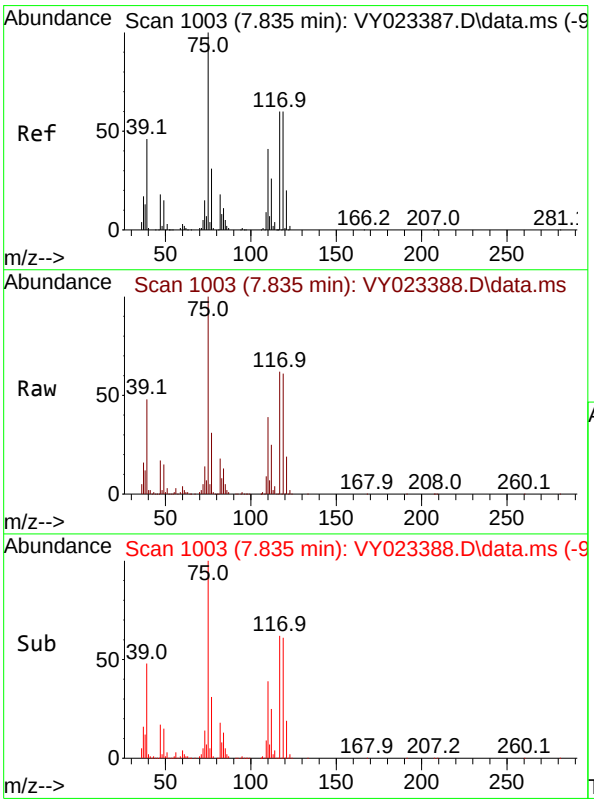
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	22.5	18.0	27.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

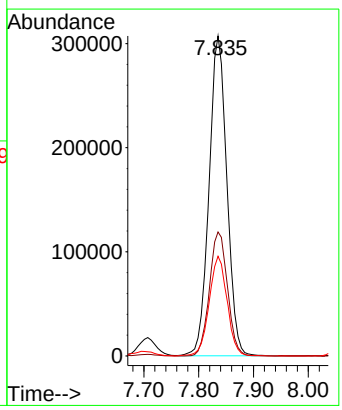


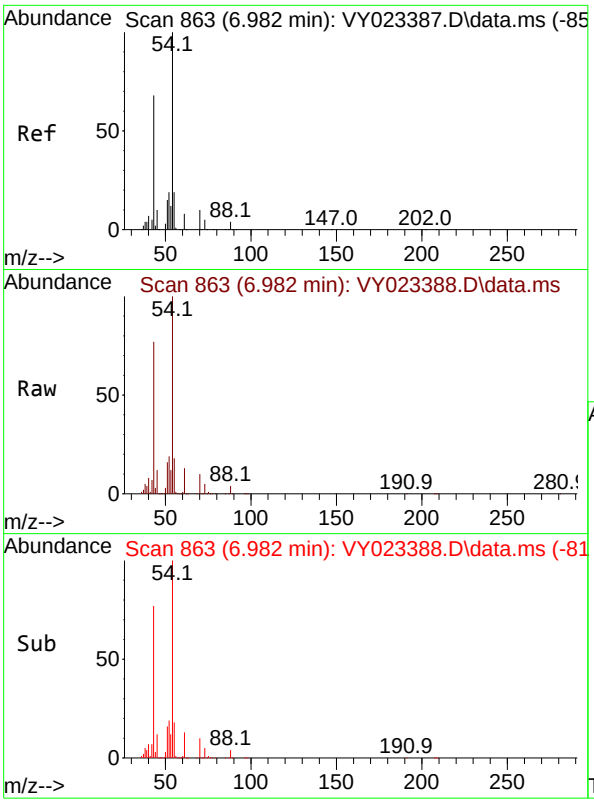


#36
1,1-Dichloropropene
Concen: 94.516 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 692477

Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.9	59.7
77	31.4	25.0	37.6





#37
Ethyl Acetate
Concen: 96.859 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

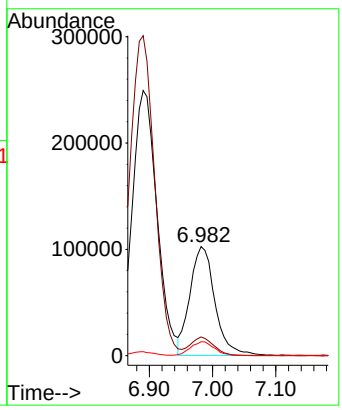
Tgt Ion: 43 Resp: 28056

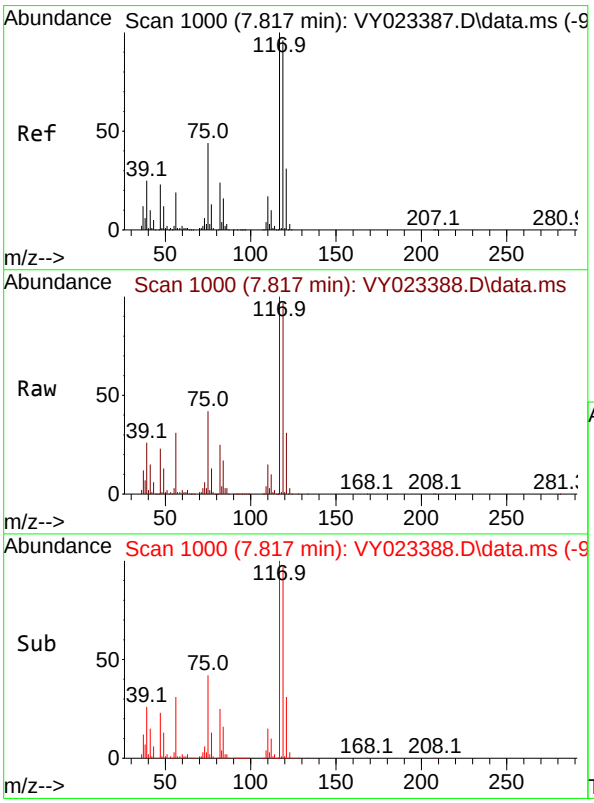
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.8
70	12.4	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

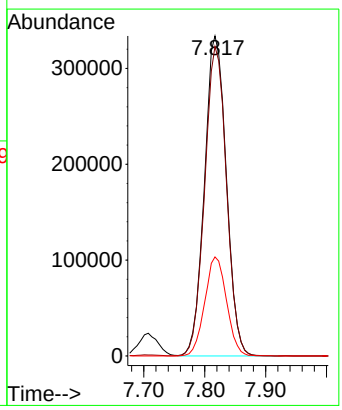


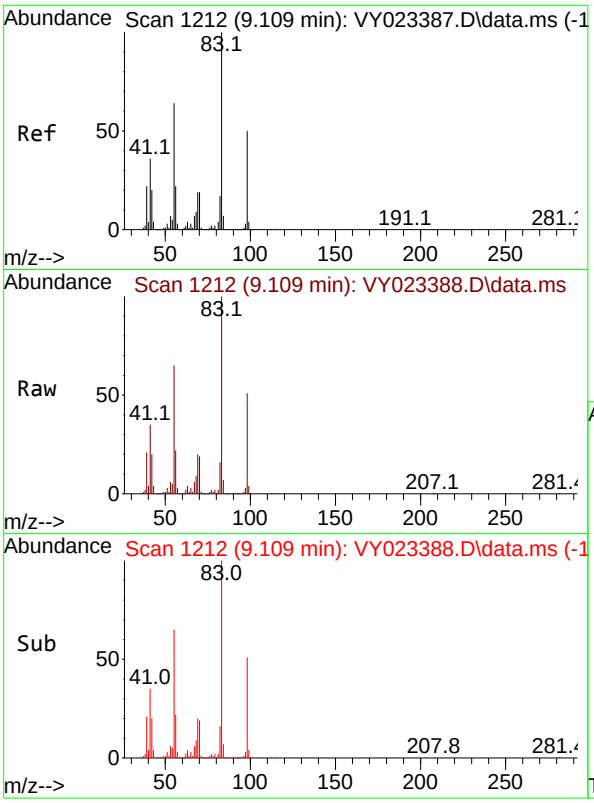


#38
Carbon Tetrachloride
Concen: 97.894 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:117 Resp: 833170

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.8	115.2
121	30.9	24.5	36.7





#39
Methylcyclohexane
Concen: 101.024 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

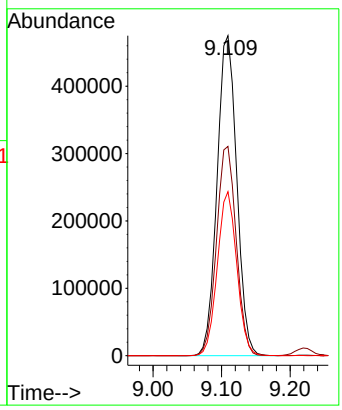
Tgt Ion: 83 Resp: 94766

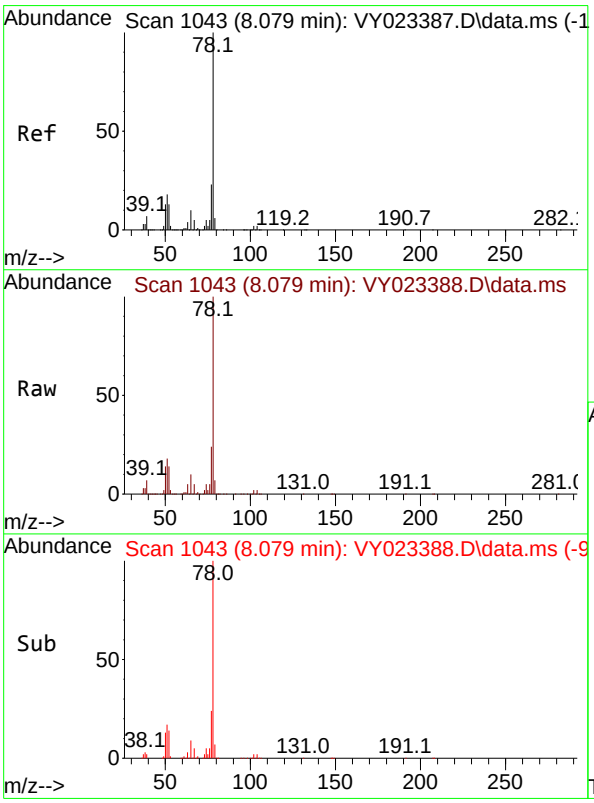
Ion	Ratio	Lower	Upper
83	100		
55	65.4	51.4	77.2
98	51.3	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

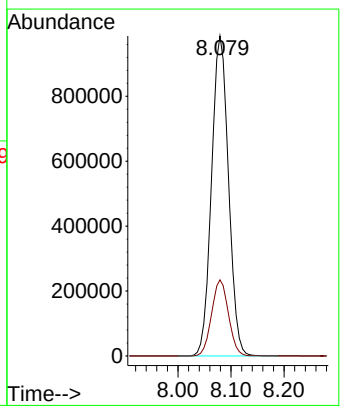


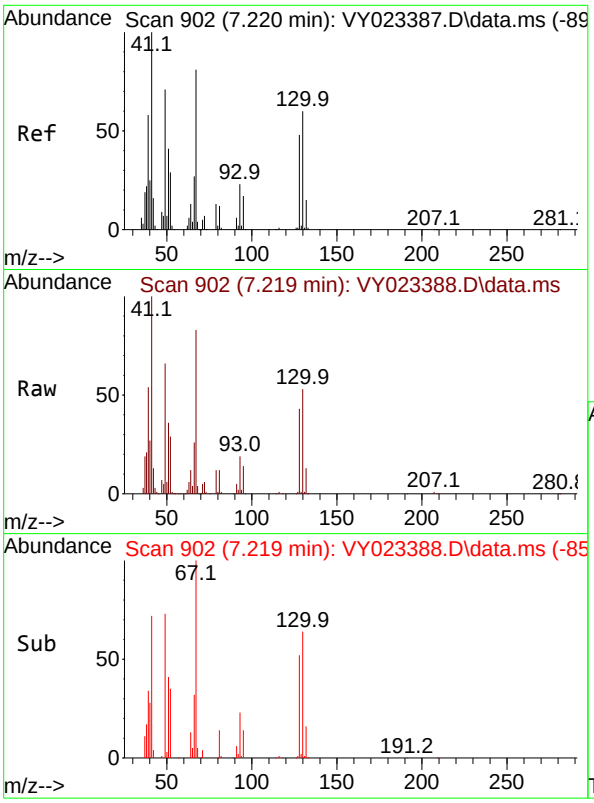


#40
Benzene
Concen: 96.000 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 78 Resp: 2192645

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.3	27.5

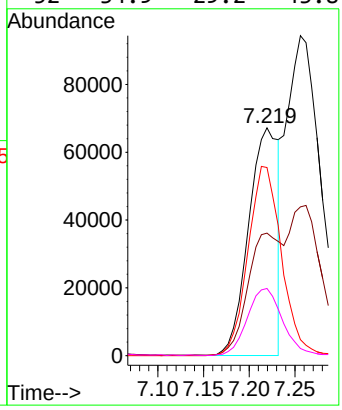




#41
Methacrylonitrile
Concen: 101.200 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 41 Resp: 15223

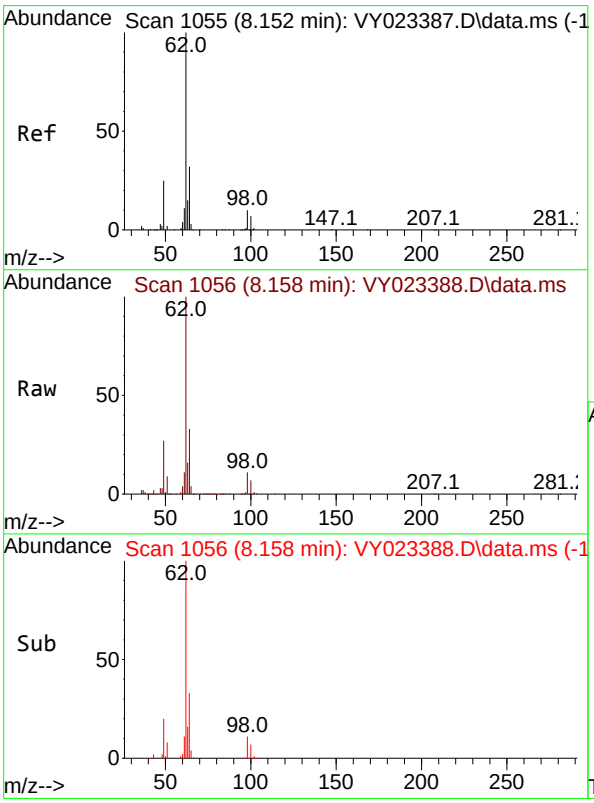
Ion	Ratio	Lower	Upper
41	100		
39	62.6	52.2	78.4
67	93.9	74.9	112.3
52	34.9	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

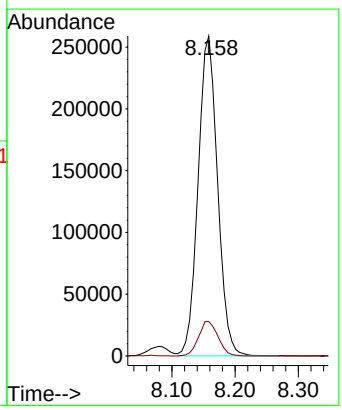
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

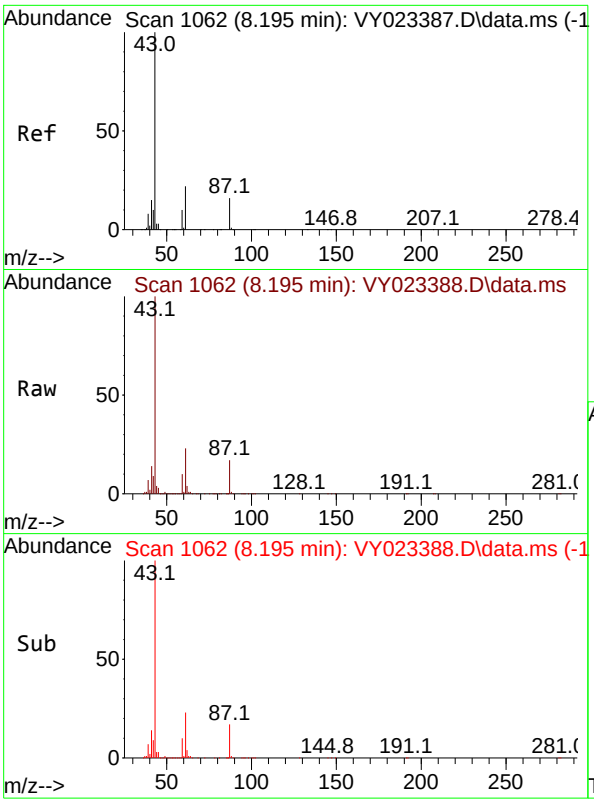


#42
1,2-Dichloroethane
Concen: 95.449 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 62 Resp: 554810

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.6

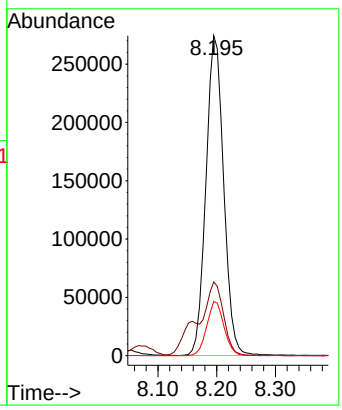




#43
Isopropyl Acetate
Concen: 101.815 ug/l
RT: 8.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 57365

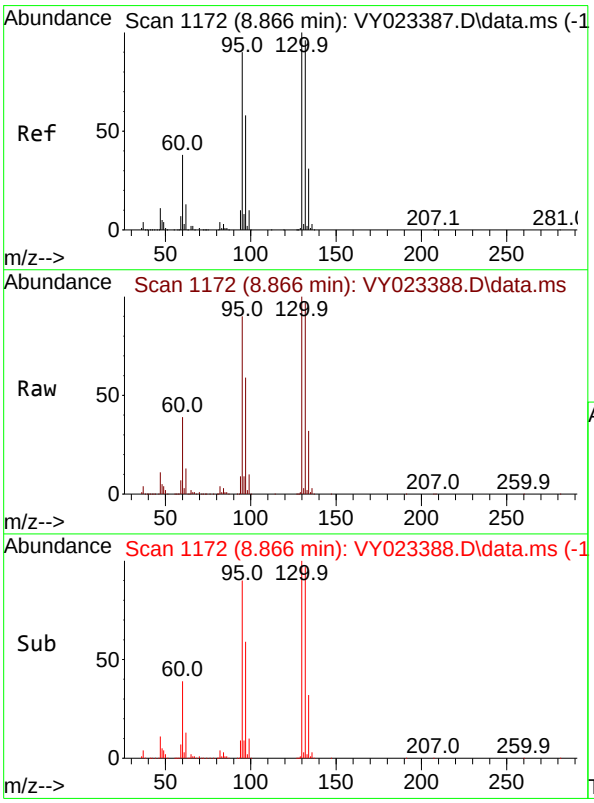
Ion	Ratio	Lower	Upper
43	100		
61	23.0	18.1	27.1
87	16.6	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

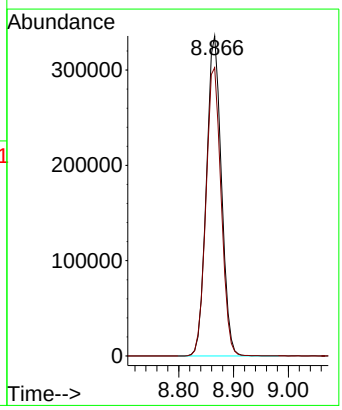
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

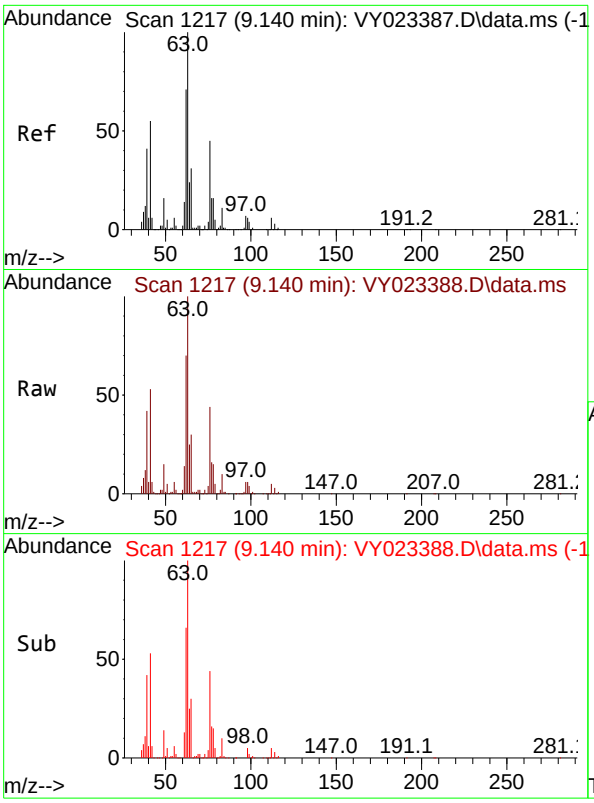


#44
Trichloroethene
Concen: 99.245 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:130 Resp: 636149

Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	180.6

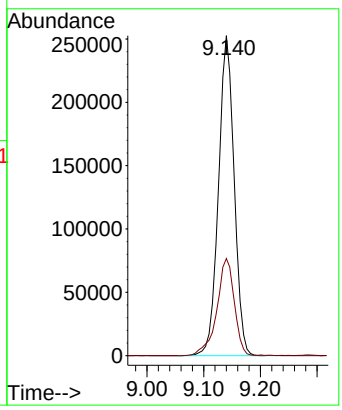




#45
1,2-Dichloropropane
Concen: 94.381 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 63 Resp: 48508

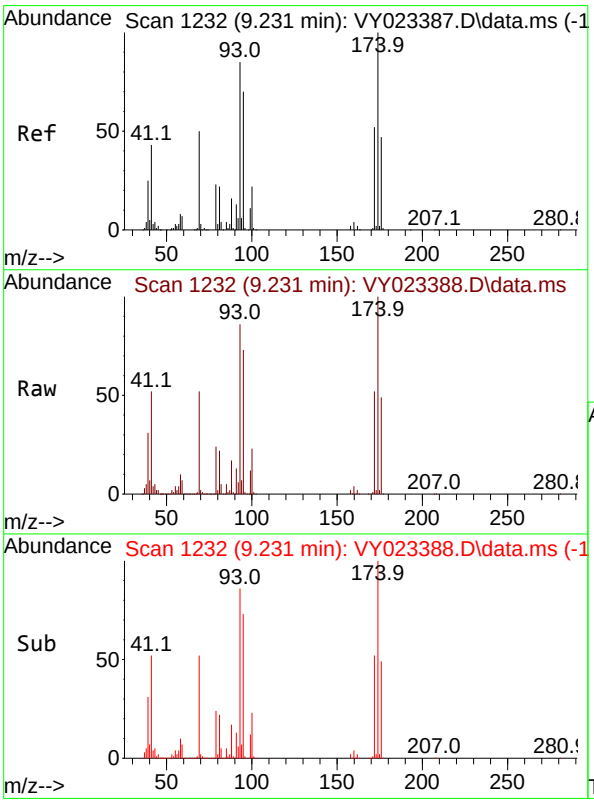
Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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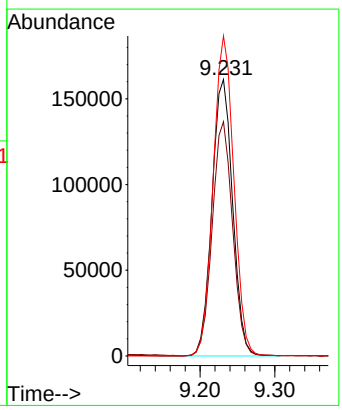
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

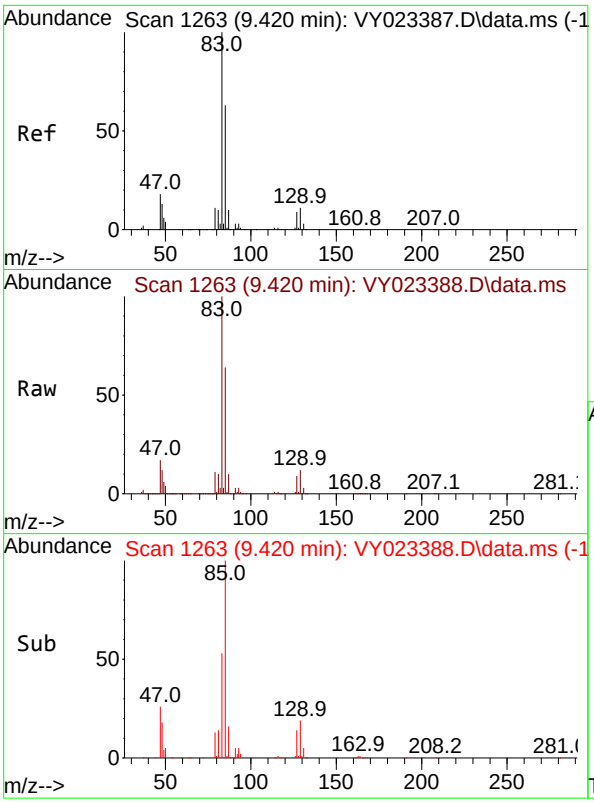


#46
Dibromomethane
Concen: 98.596 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 93 Resp: 309964

Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.4	98.0
174	115.6	92.9	139.3

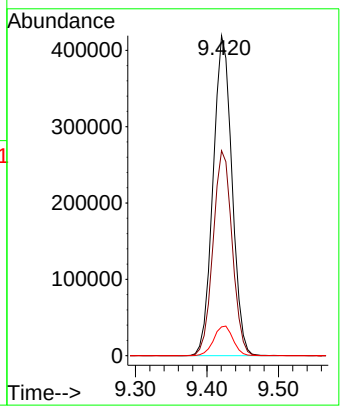




#47
Bromodichloromethane
Concen: 97.210 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 83 Resp: 76923

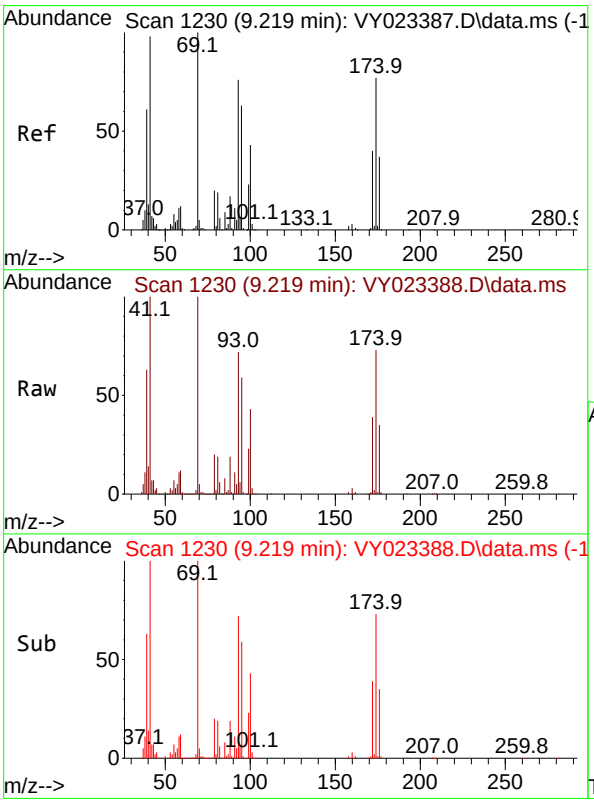
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.8	76.2
127	9.0	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

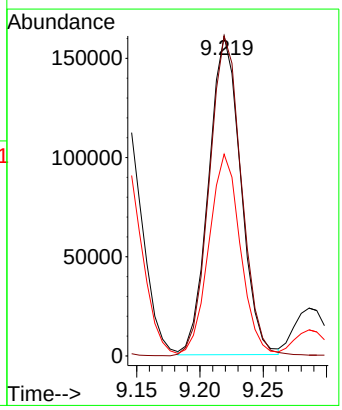
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

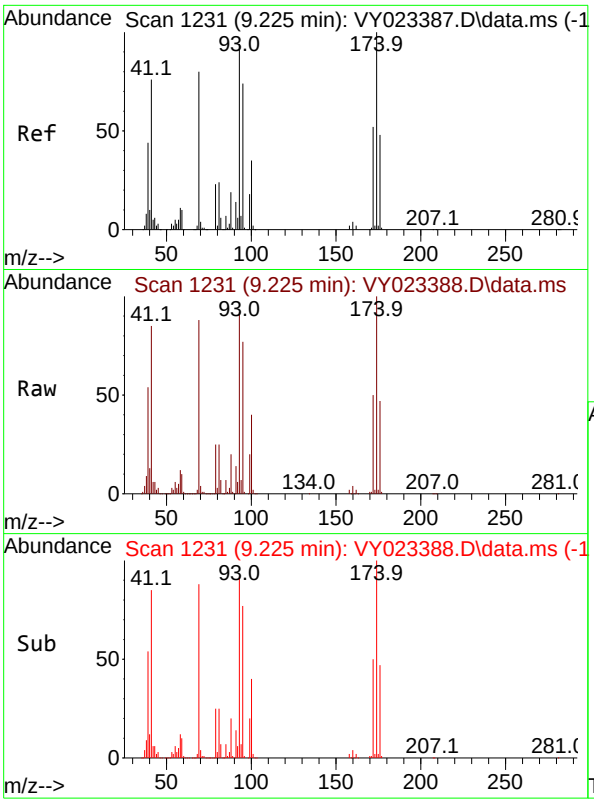


#48
Methyl methacrylate
Concen: 107.476 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 41 Resp: 282582

Ion	Ratio	Lower	Upper
41	100		
69	100.8	81.0	121.4
39	60.9	48.2	72.4





#49
1,4-Dioxane
Concen: 2374.722 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

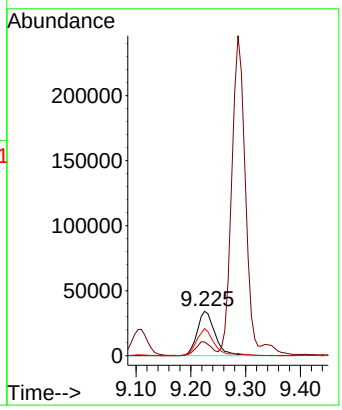
Tgt Ion: 88 Resp: 7730

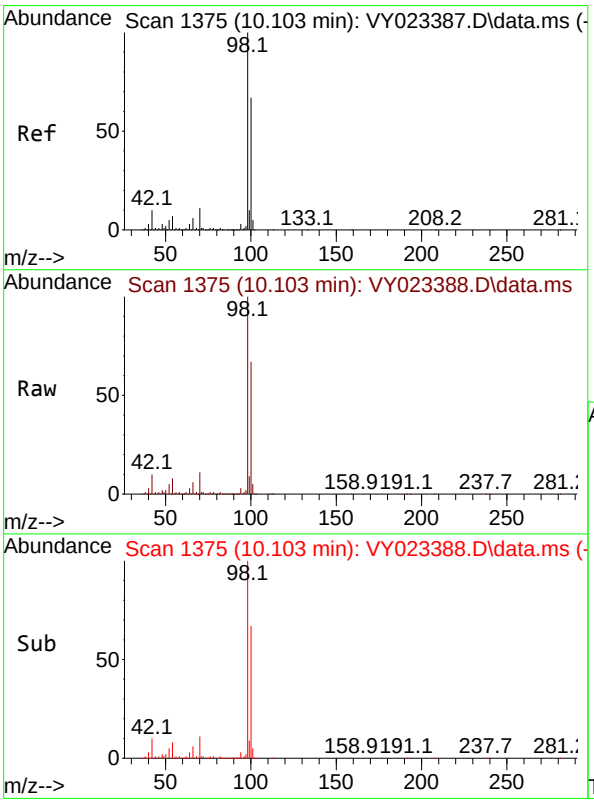
Ion	Ratio	Lower	Upper
88	100		
43	27.5	21.8	32.8
58	58.0	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

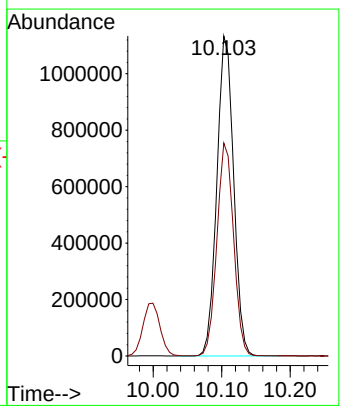


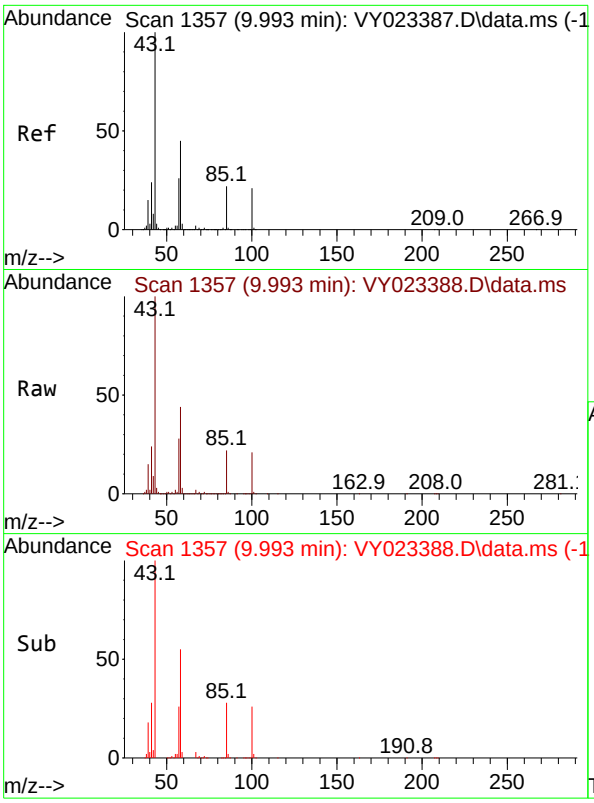


#50
Toluene-d8
Concen: 98.031 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 98 Resp: 1919872

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 533.386 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

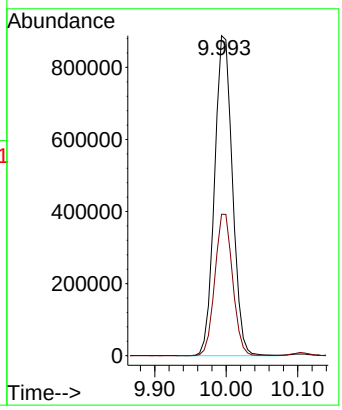
Tgt Ion: 43 Resp: 153932

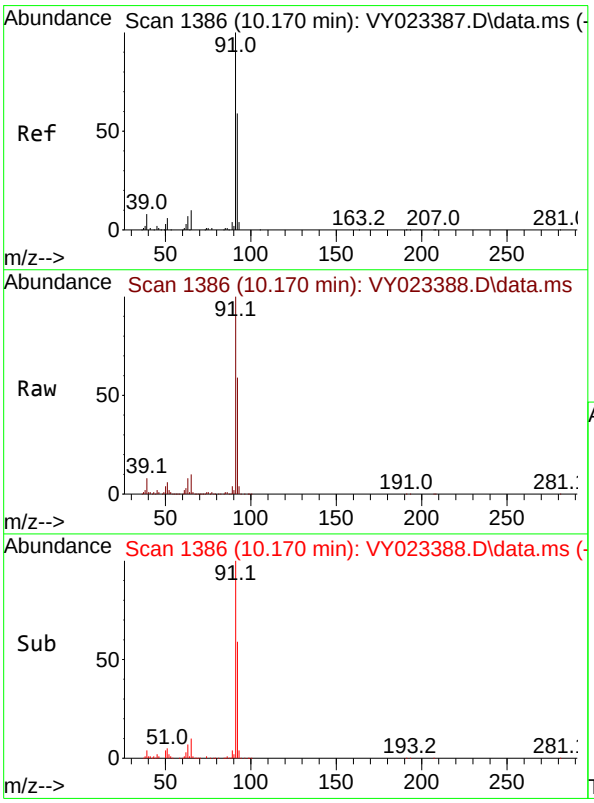
Ion	Ratio	Lower	Upper
43	100		
58	44.0	35.3	52.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

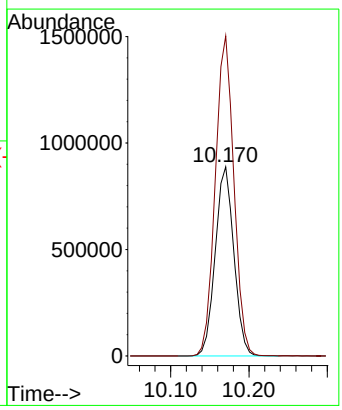


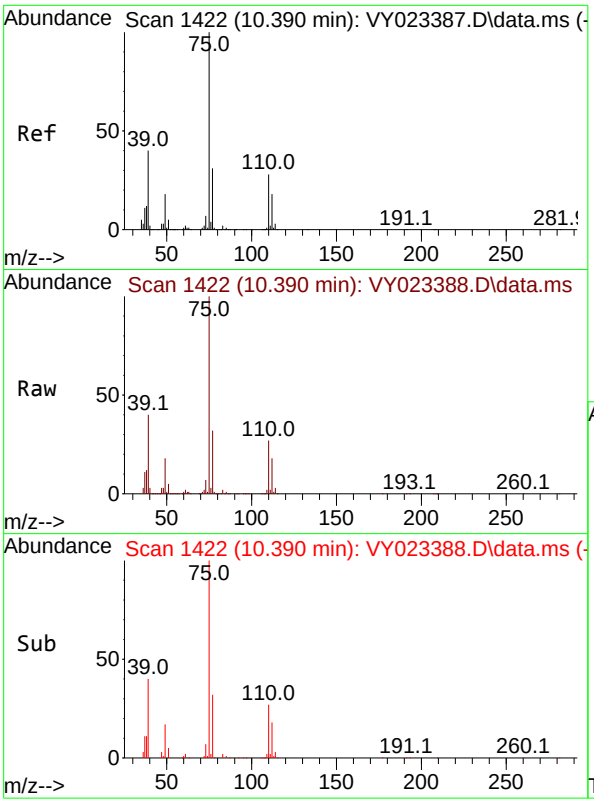


#52
Toluene
Concen: 100.905 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 92 Resp: 1462927

Ion	Ratio	Lower	Upper
92	100		
91	169.6	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 104.537 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

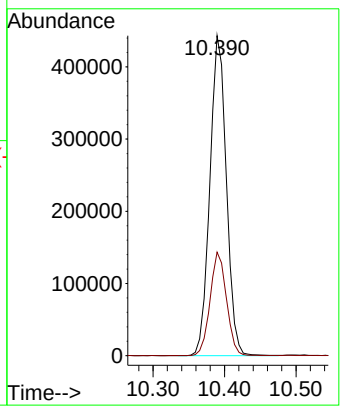
Tgt Ion: 75 Resp: 71047

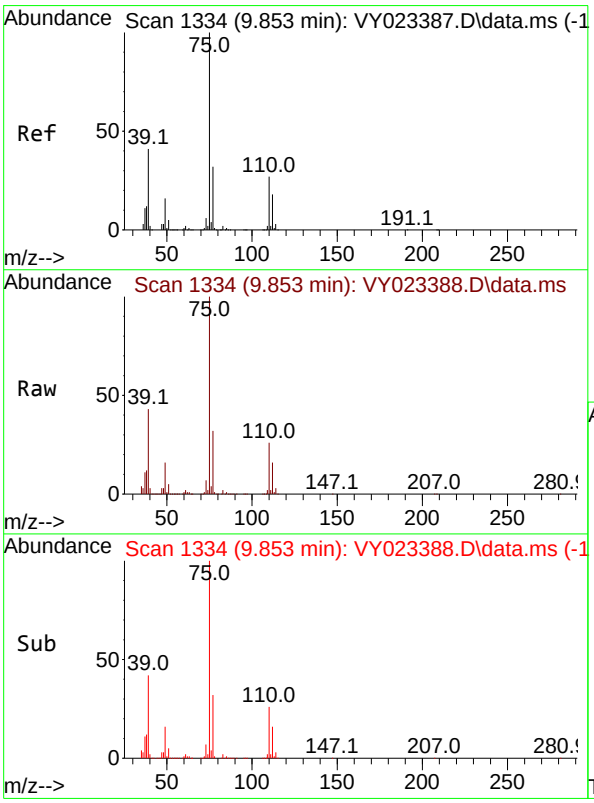
Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

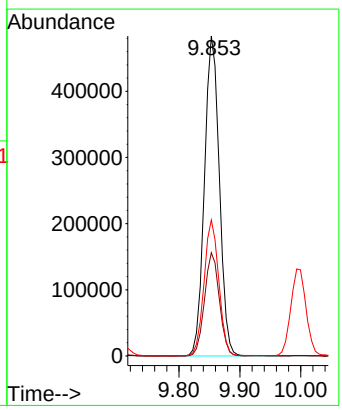


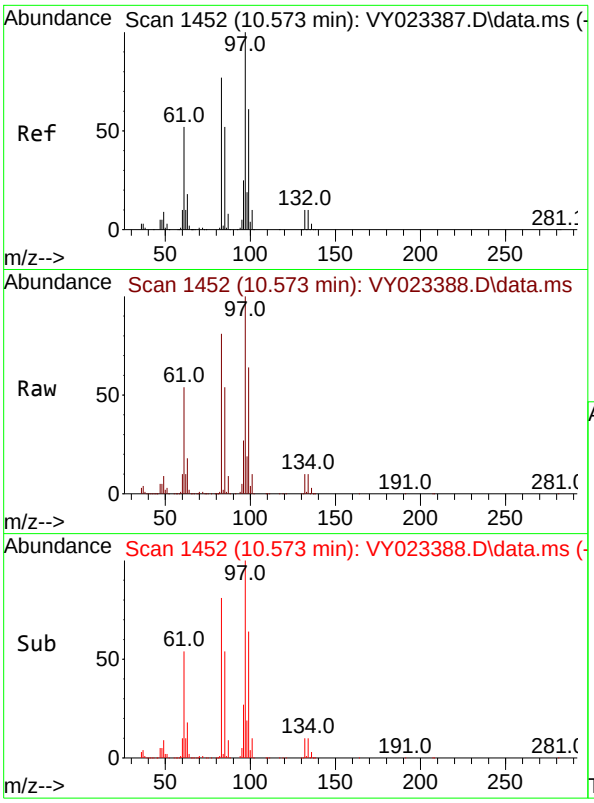


#54
cis-1,3-Dichloropropene
Concen: 101.302 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 822967

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	42.5	32.8	49.2

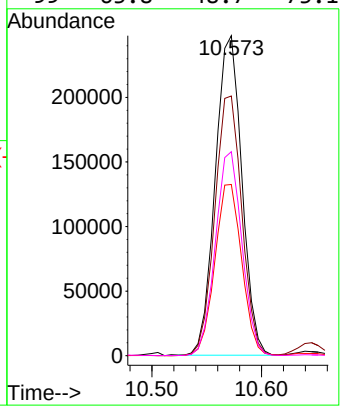




#55
1,1,2-Trichloroethane
Concen: 99.875 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 97 Resp: 41762

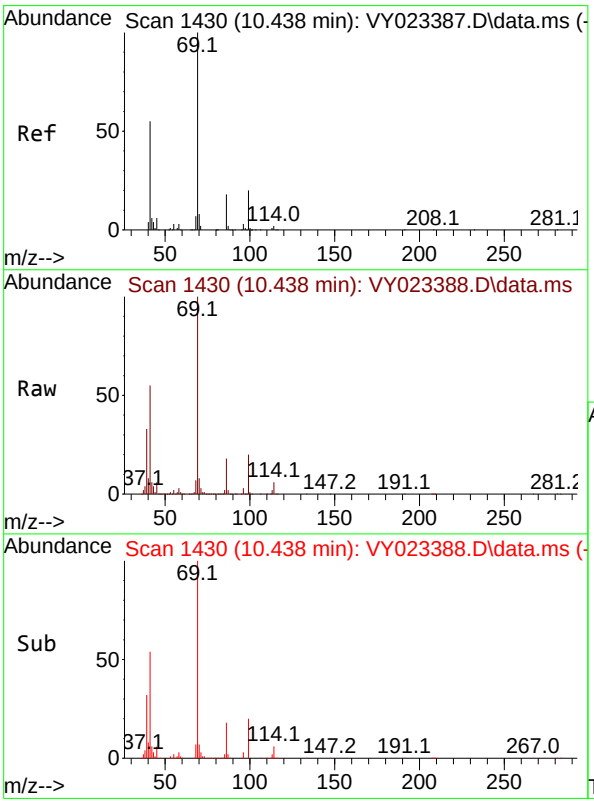
Ion	Ratio	Lower	Upper
97	100		
83	81.3	61.8	92.6
85	53.6	41.3	61.9
99	63.8	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

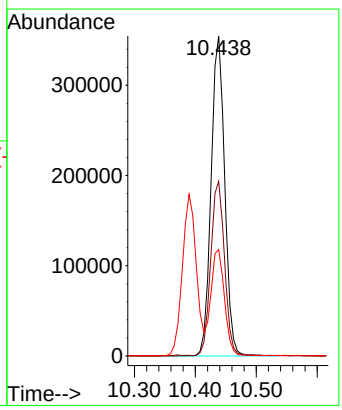
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

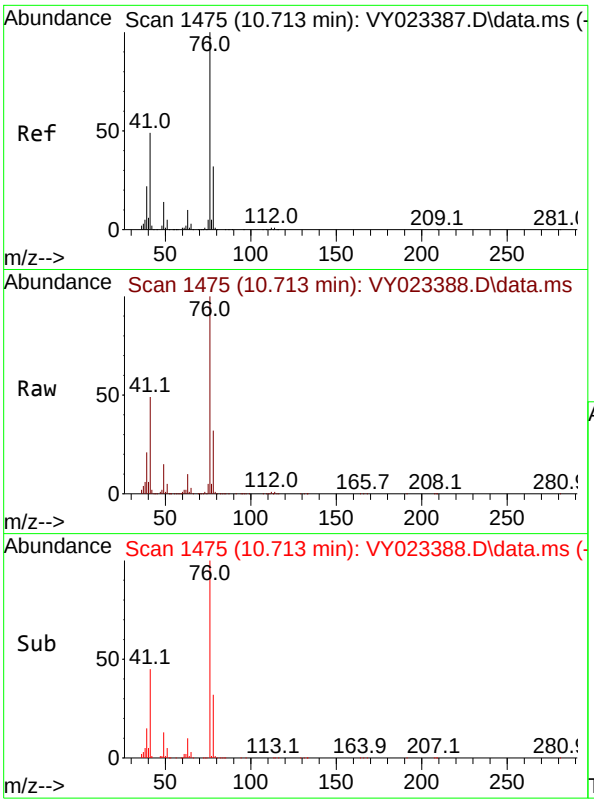


#56
Ethyl methacrylate
Concen: 114.077 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 69 Resp: 549366

Ion	Ratio	Lower	Upper
69	100		
41	55.1	44.6	67.0
39	33.3	27.0	40.4

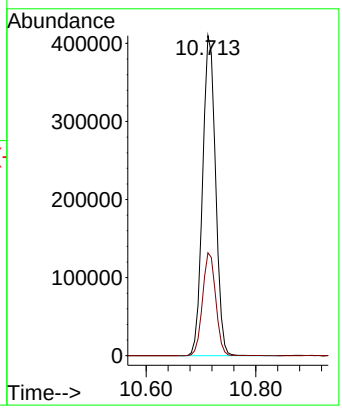




#57
1,3-Dichloropropane
Concen: 99.140 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 76 Resp: 67096

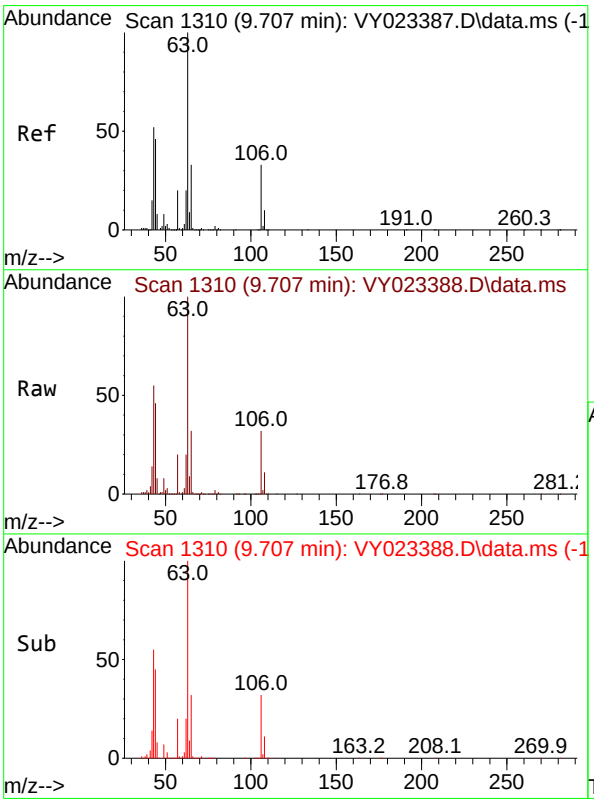
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

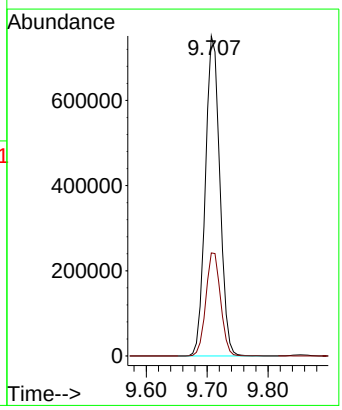
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

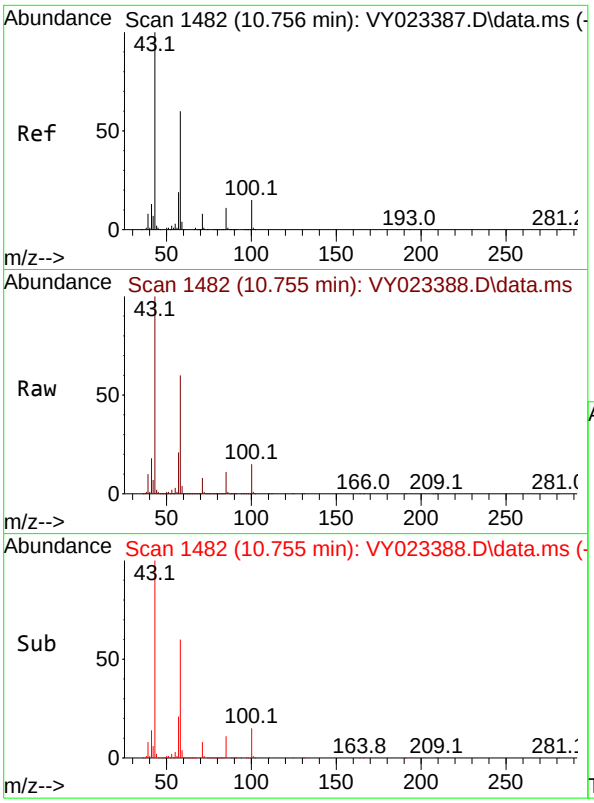


#58
2-Chloroethyl Vinyl ether
Concen: 588.731 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 63 Resp: 1240361

Ion	Ratio	Lower	Upper
63	100		
106	32.8	26.6	39.8

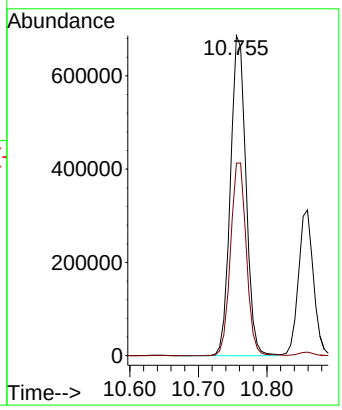




#59
2-Hexanone
Concen: 541.284 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 108156

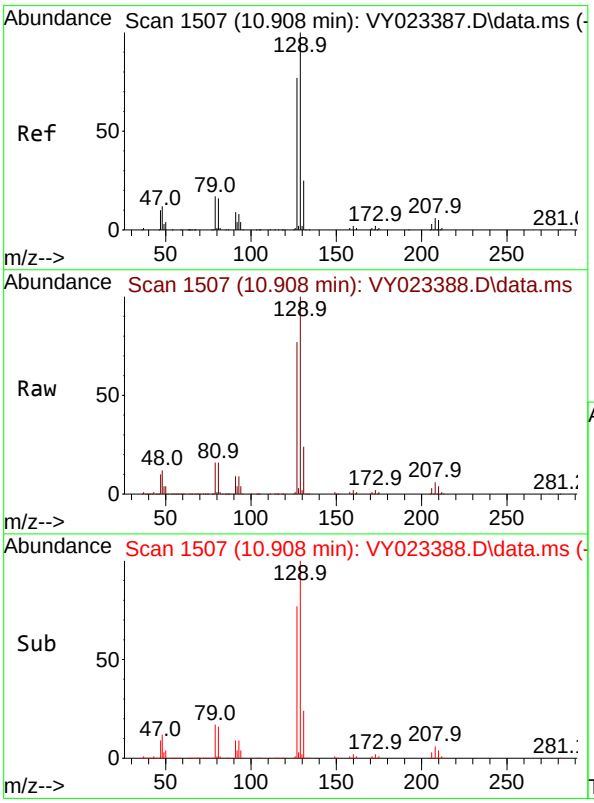
Ion	Ratio	Lower	Upper
43	100		
58	61.5	30.5	91.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

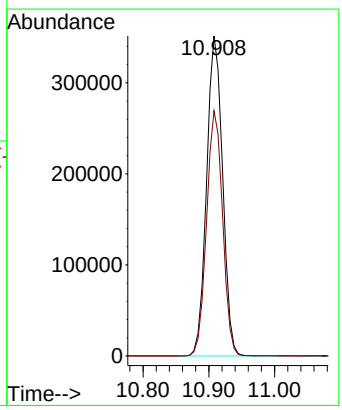
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

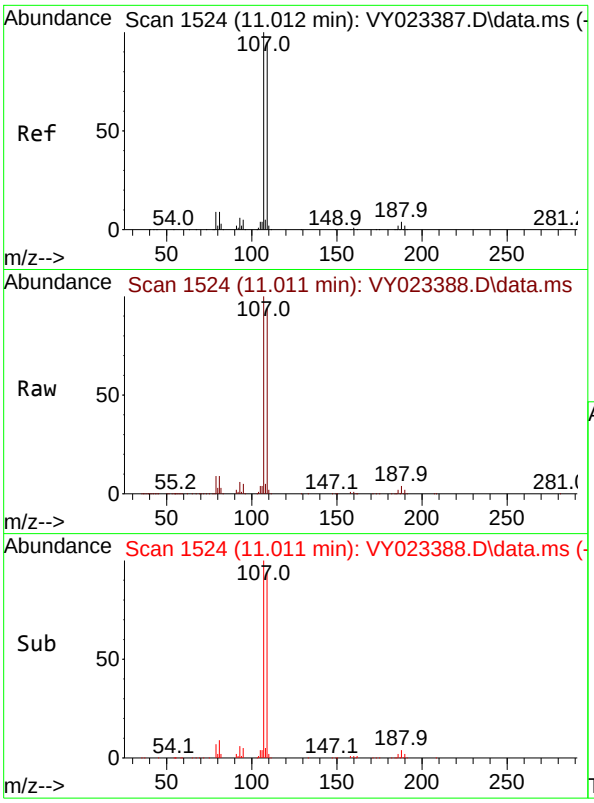


#60
Dibromochloromethane
Concen: 104.133 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:129 Resp: 593878

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.7

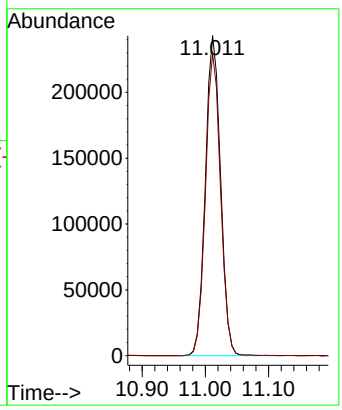




#61
1,2-Dibromoethane
Concen: 103.280 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:107 Resp: 40629

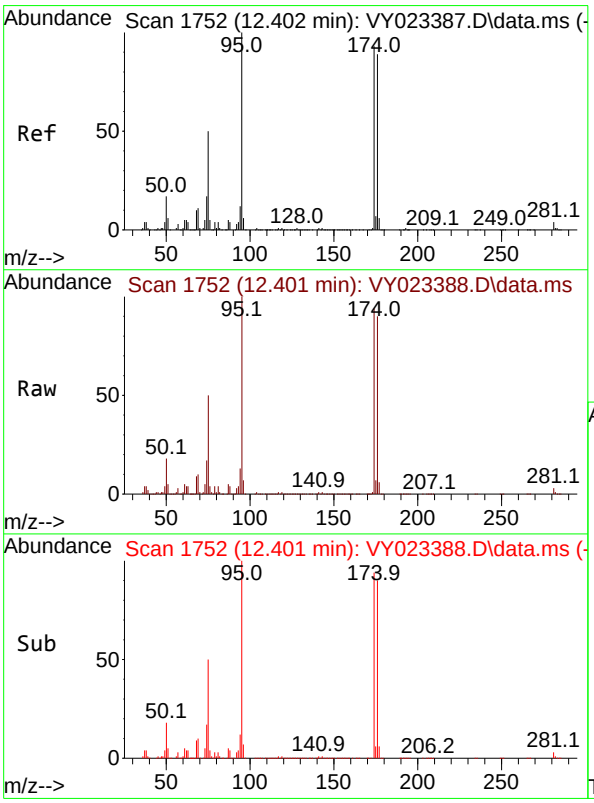
Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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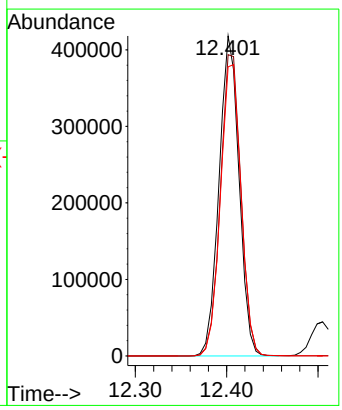
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

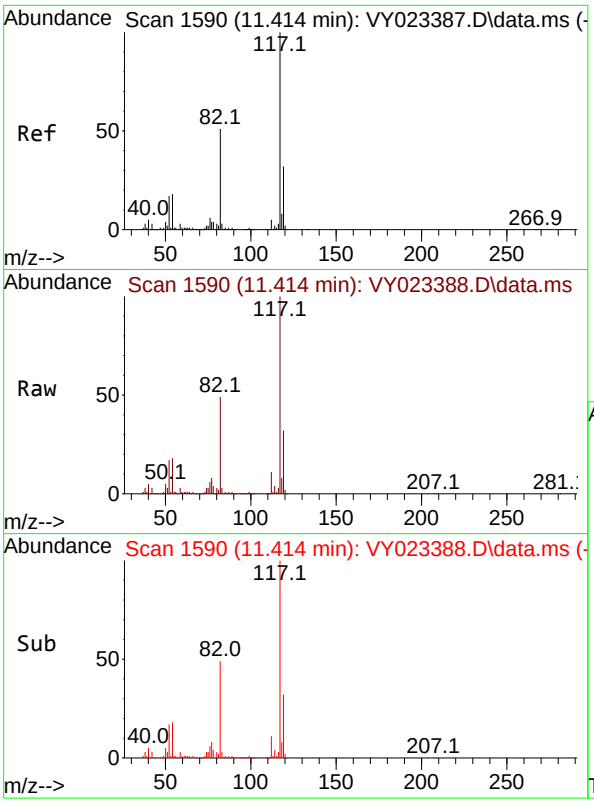


#62
4-Bromofluorobenzene
Concen: 103.007 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 95 Resp: 636435

Ion	Ratio	Lower	Upper
95	100		
174	96.7	0.0	192.8
176	94.1	0.0	187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

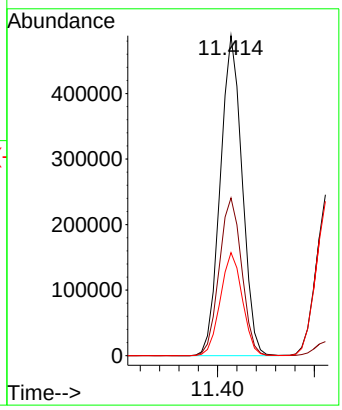
Tgt Ion:117 Resp: 76436

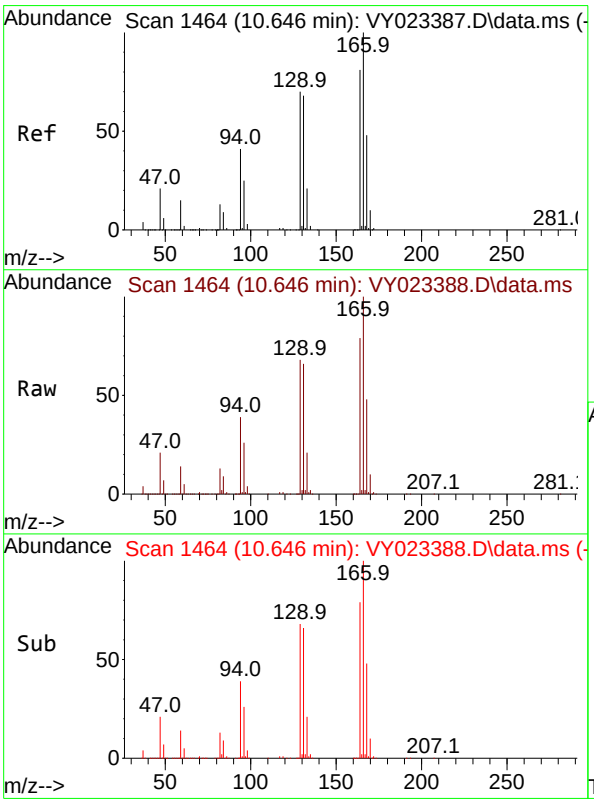
Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.0	61.4
119	32.2	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

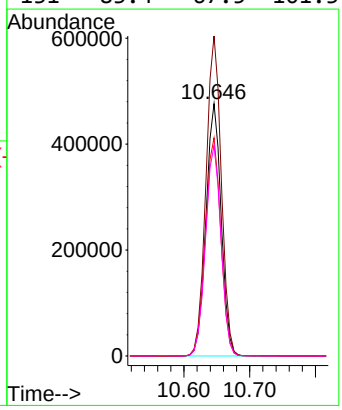


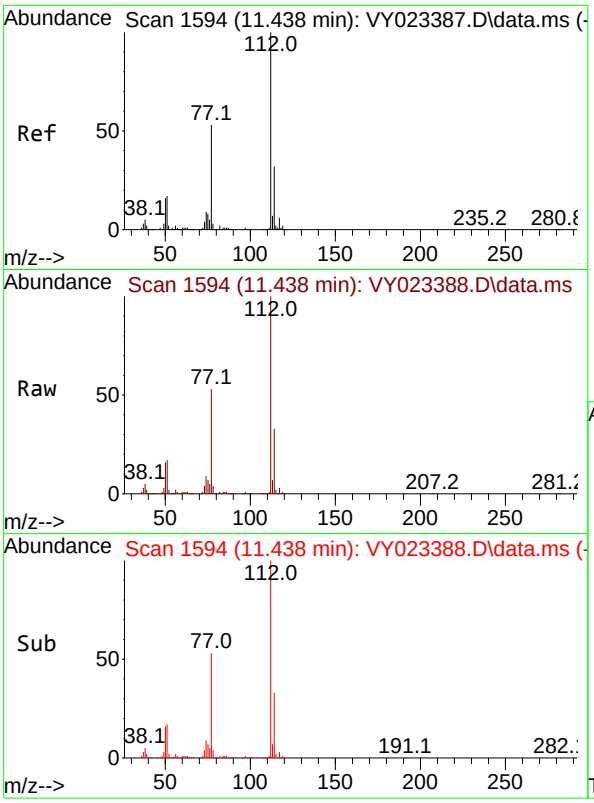


#64
Tetrachloroethene
Concen: 100.406 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:164 Resp: 767753

Ion	Ratio	Lower	Upper
164	100		
166	126.9	99.4	149.0
129	86.5	69.4	104.2
131	83.4	67.5	101.3

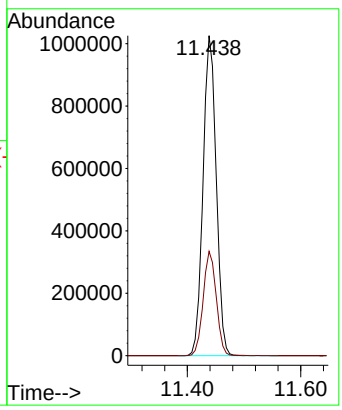




#65
Chlorobenzene
Concen: 99.649 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:112 Resp: 165514

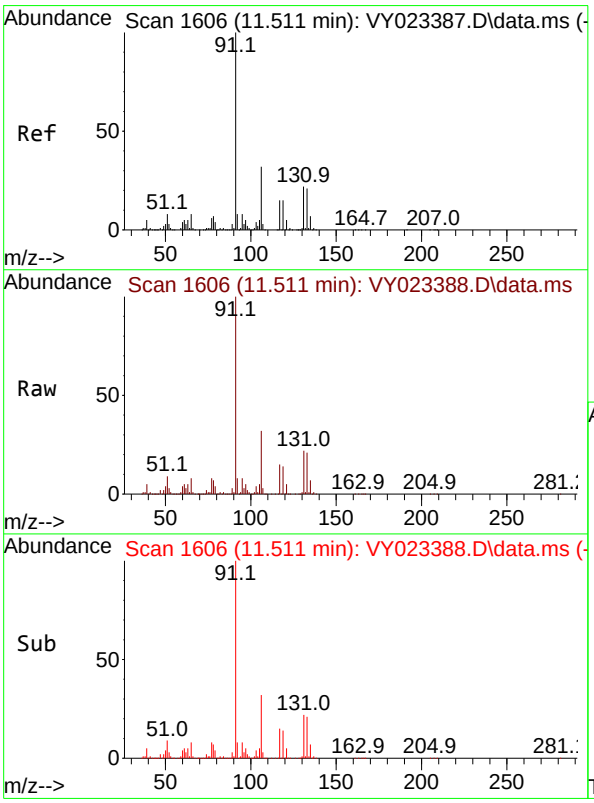
Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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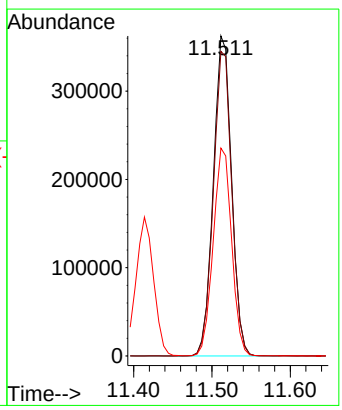
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

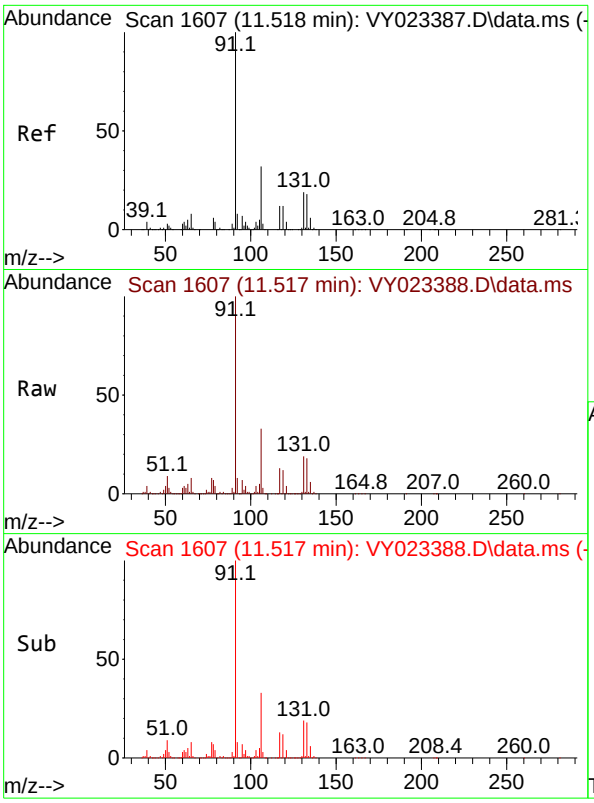


#66
1,1,1,2-Tetrachloroethane
Concen: 100.470 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:131 Resp: 586878

Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.4	145.2
119	65.7	32.4	97.2





#67
Ethyl Benzene
Concen: 102.856 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

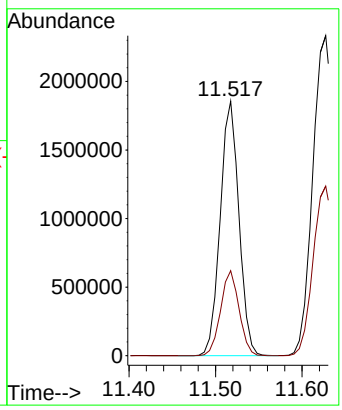
Tgt Ion: 91 Resp: 278825

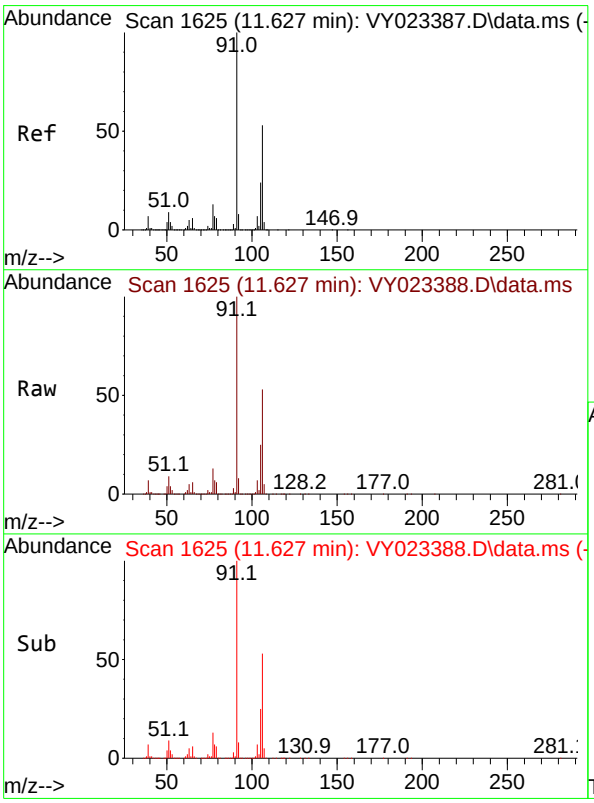
Ion	Ratio	Lower	Upper
91	100		
106	33.4	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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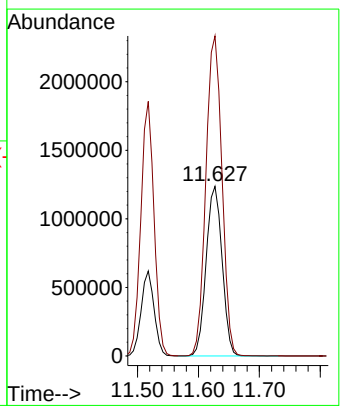


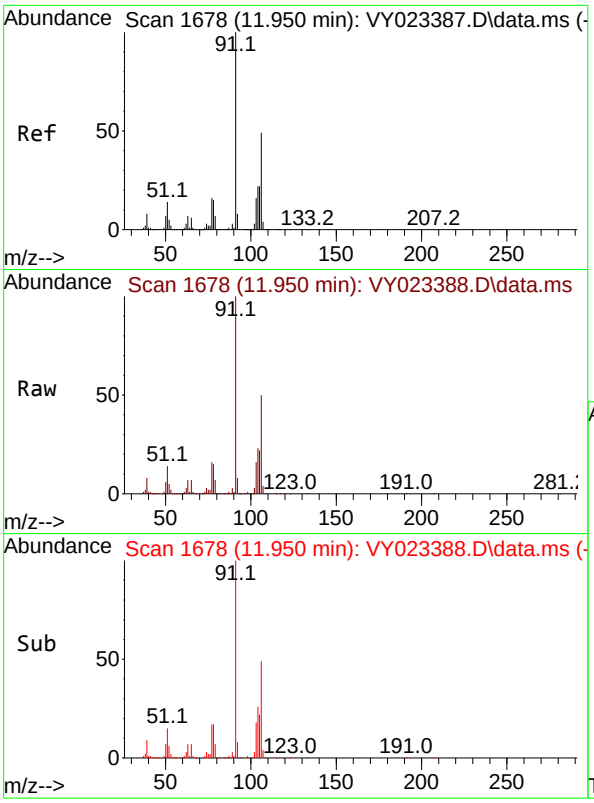


#68
m/p-Xylenes
Concen: 206.437 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:106 Resp: 2243033

Ion	Ratio	Lower	Upper
106	100		
91	190.5	152.6	229.0

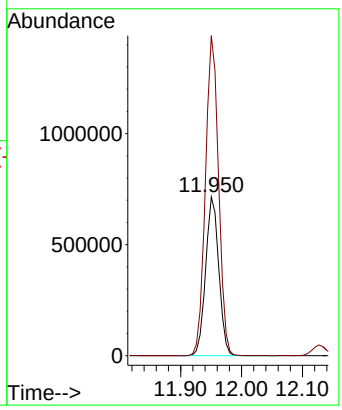




#69
o-Xylene
Concen: 106.611 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:106 Resp: 107233

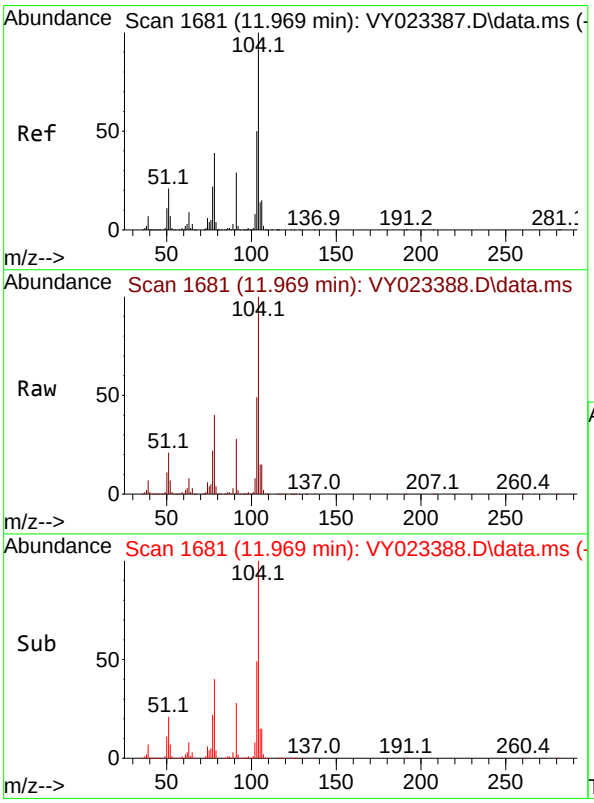
Ion	Ratio	Lower	Upper
106	100		
91	201.8	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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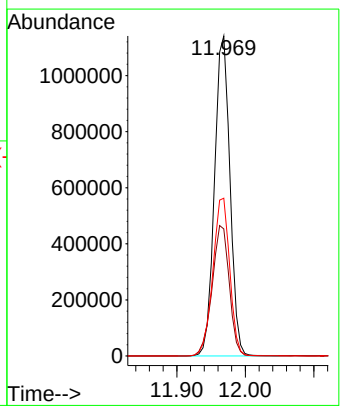
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

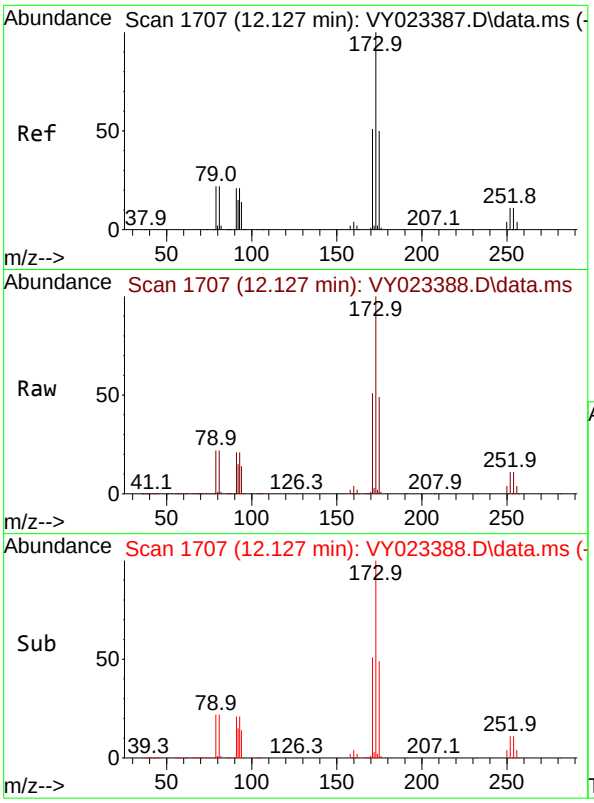


#70
Styrene
Concen: 107.344 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:104 Resp: 1782757

Ion	Ratio	Lower	Upper
104	100		
78	45.3	36.1	54.1
103	53.9	43.2	64.8

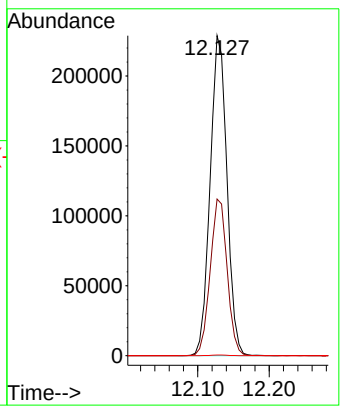




#71
Bromoform
Concen: 106.727 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:173 Resp: 37320

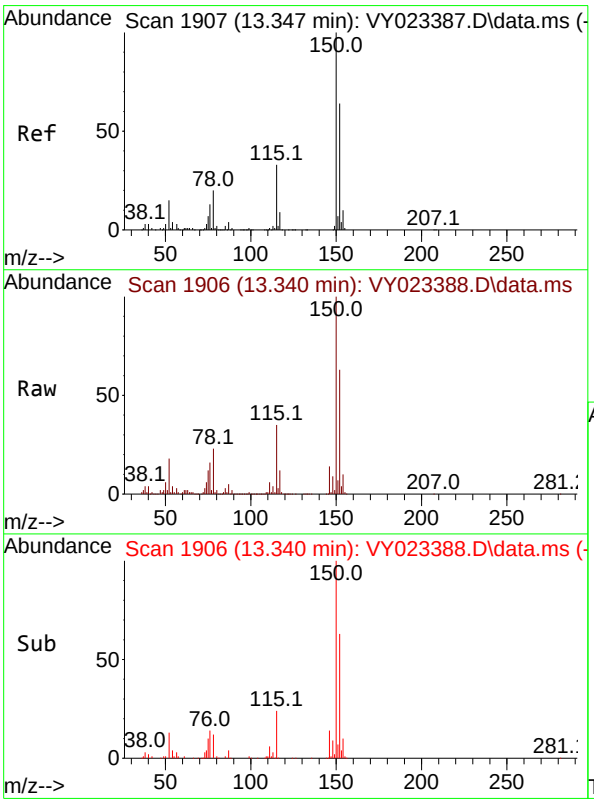
Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.8	74.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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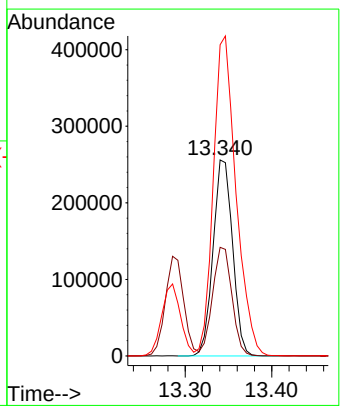
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

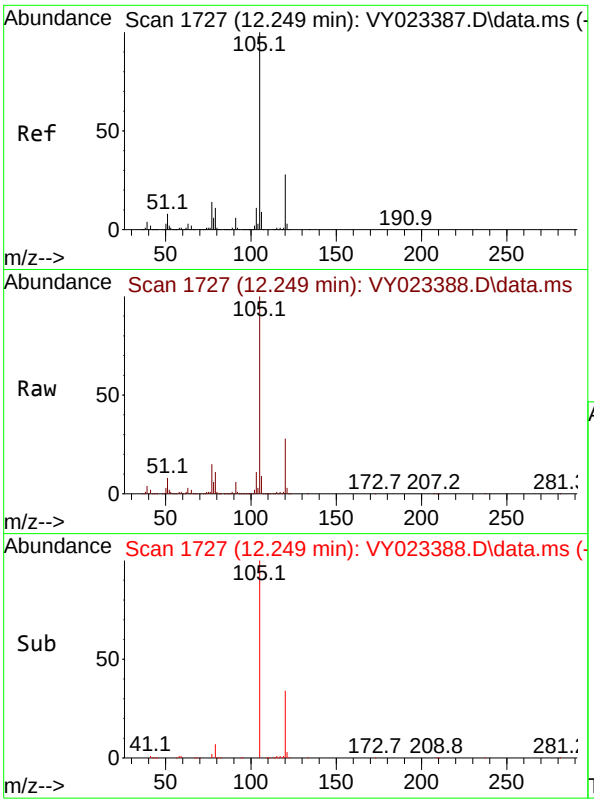


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:152 Resp: 400285

Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.1	81.2
150	190.0	0.0	347.4





#73
Isopropylbenzene
Concen: 102.825 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

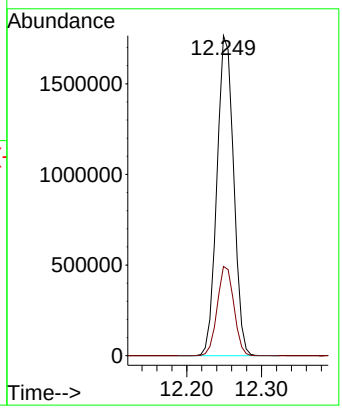
Tgt Ion:105 Resp: 274169

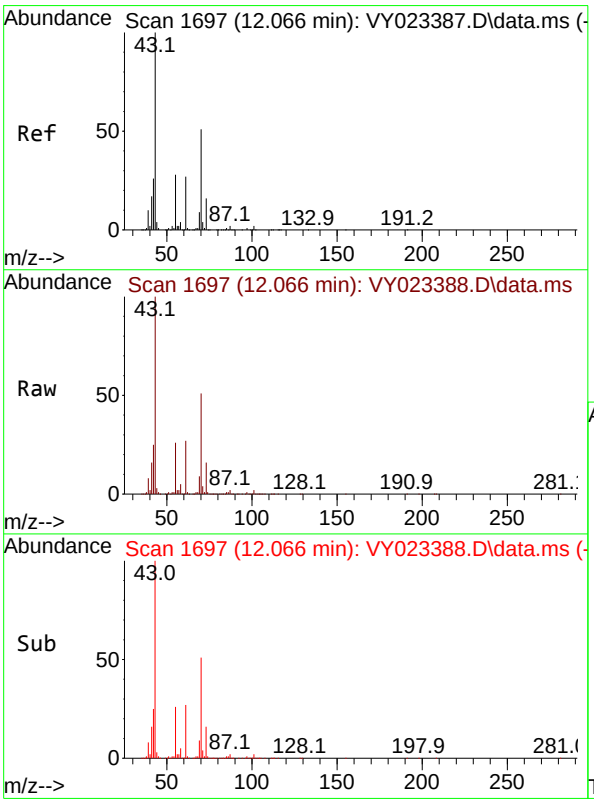
Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.9	41.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

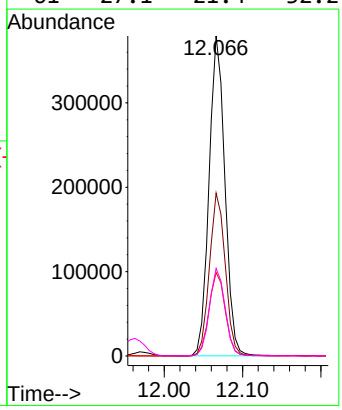


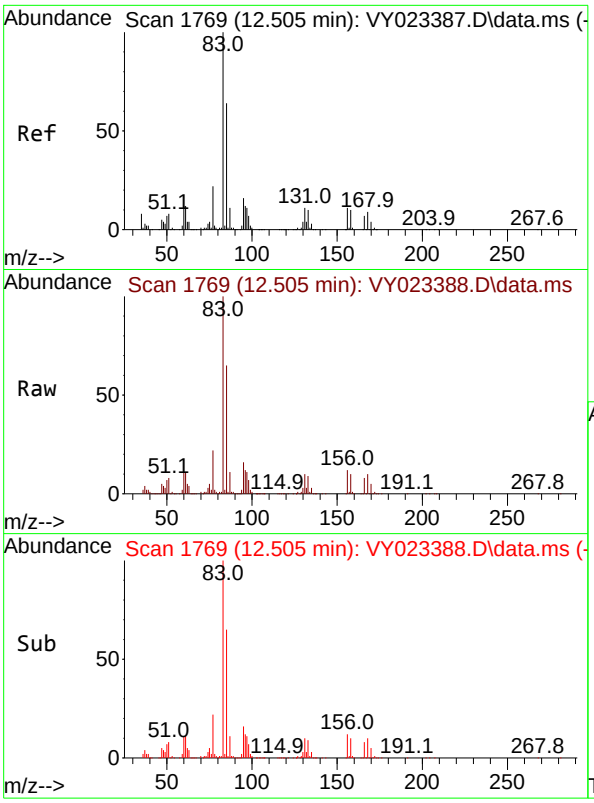


#74
N-amyl acetate
Concen: 106.818 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 532255

Ion	Ratio	Lower	Upper
43	100		
70	51.0	41.1	61.7
55	26.8	23.0	34.6
61	27.1	21.4	32.2





#75
1,1,2,2-Tetrachloroethane
Concen: 97.735 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

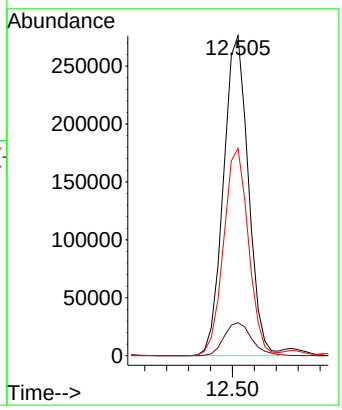
Tgt Ion: 83 Resp: 43472

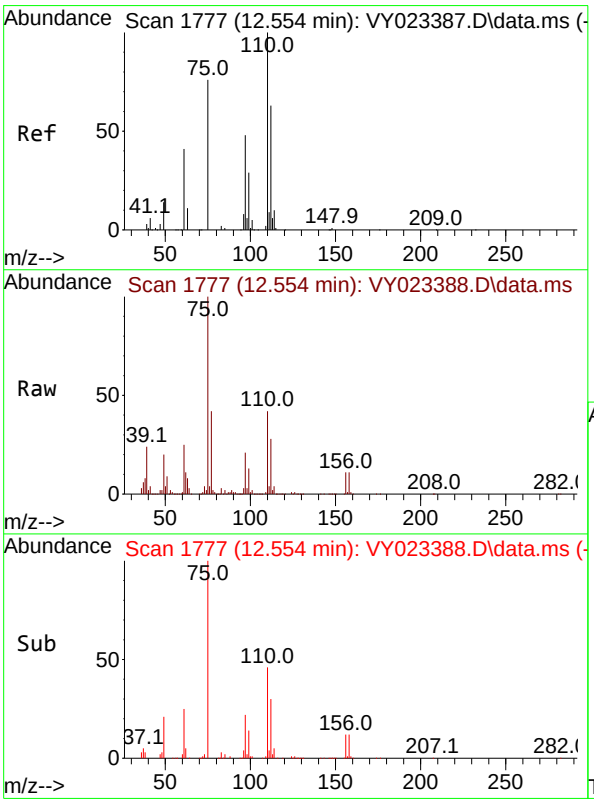
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.9	17.6
85	64.9	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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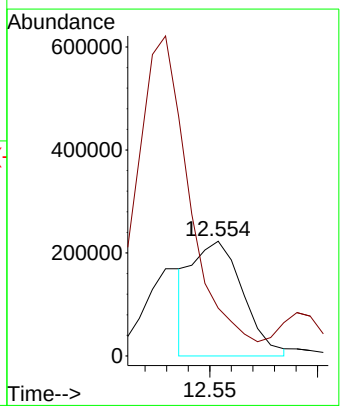


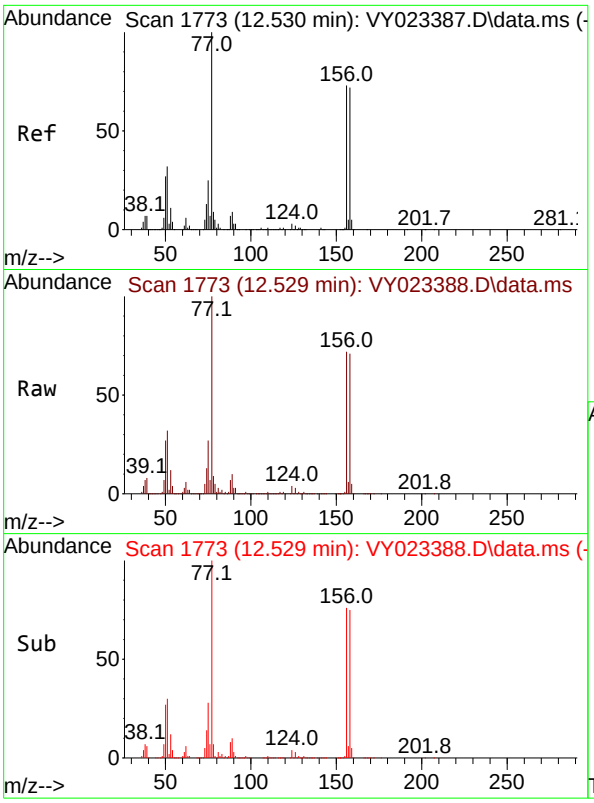


#76
1,2,3-Trichloropropane
Concen: 92.345 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 364622

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

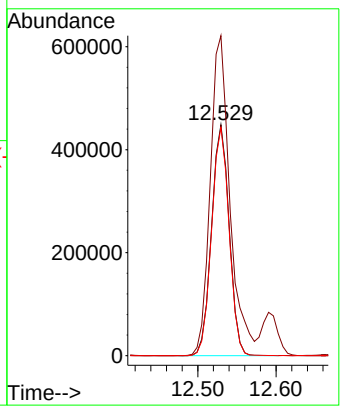




#77
Bromobenzene
Concen: 102.545 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:156 Resp: 70174

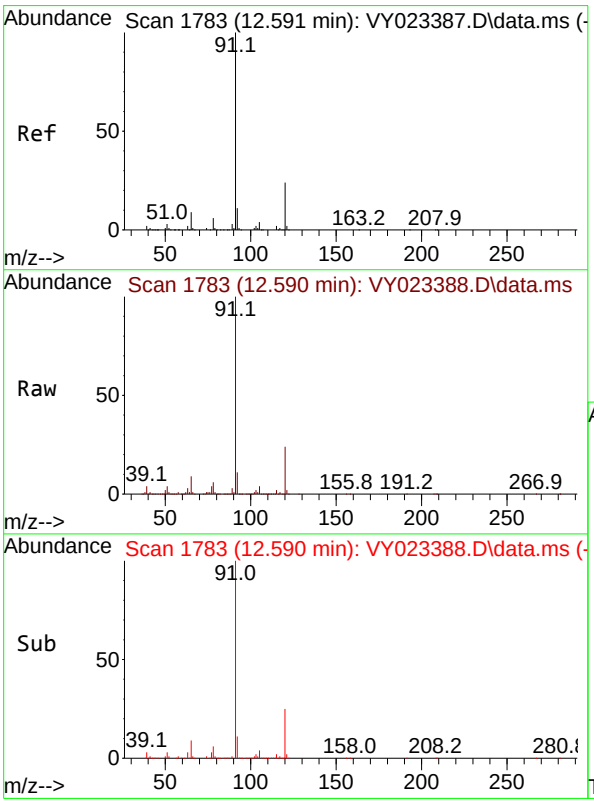
Ion	Ratio	Lower	Upper
156	100		
77	154.5	76.8	230.5
158	98.1	49.0	147.2



Instrument :
MSVOA_Y
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VSTDICC100

Manual Integrations
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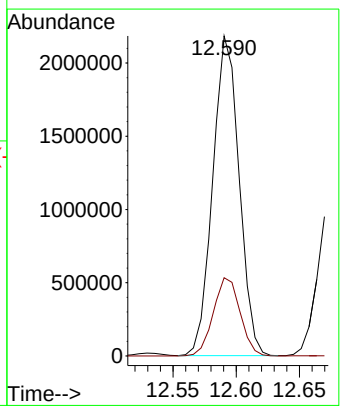
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

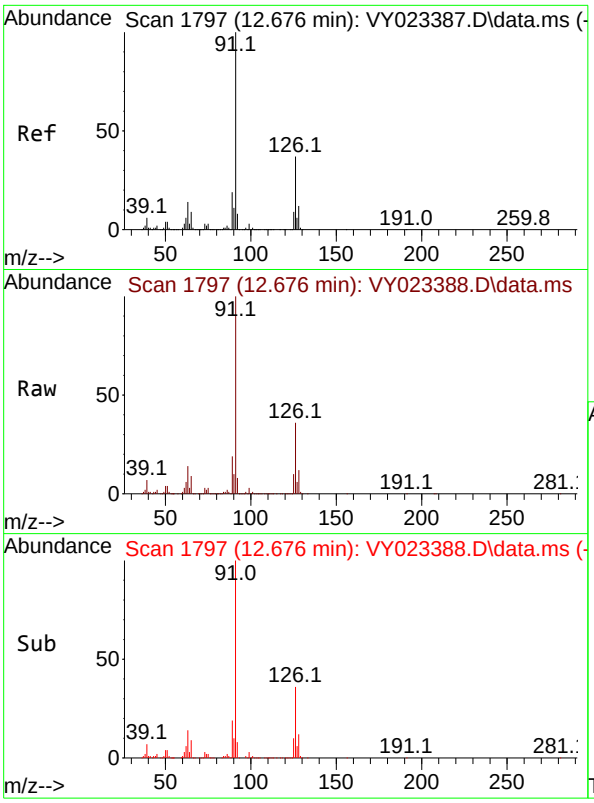


#78
n-propylbenzene
Concen: 100.958 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 3165894

Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.3	36.8





#79
2-Chlorotoluene
Concen: 99.426 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

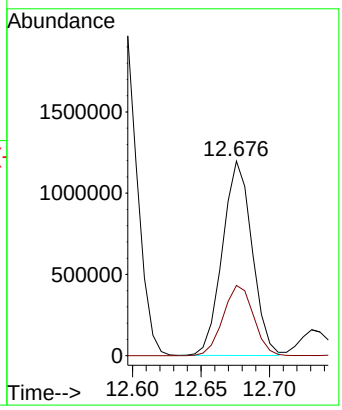
Tgt Ion: 91 Resp: 180012

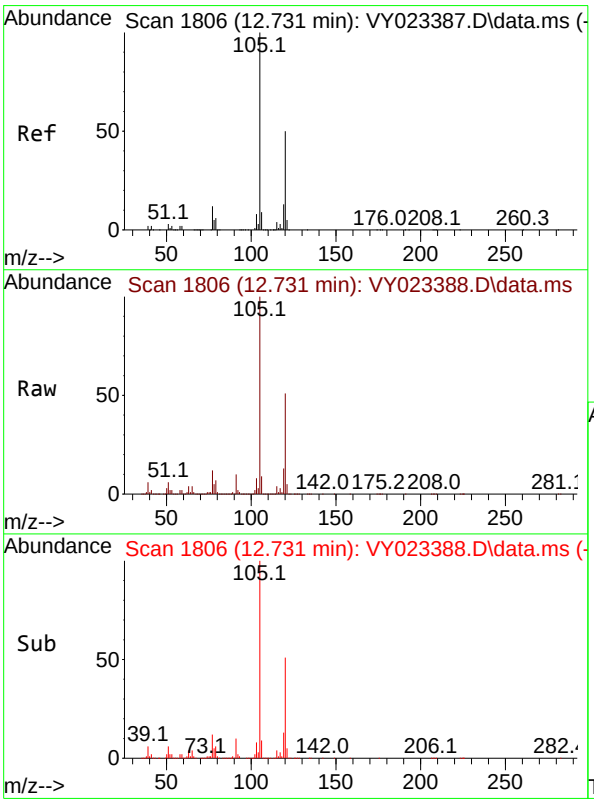
Ion	Ratio	Lower	Upper
91	100		
126	37.2	18.5	55.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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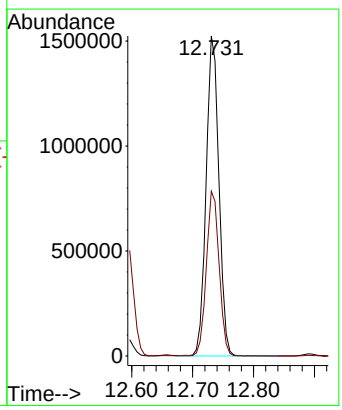


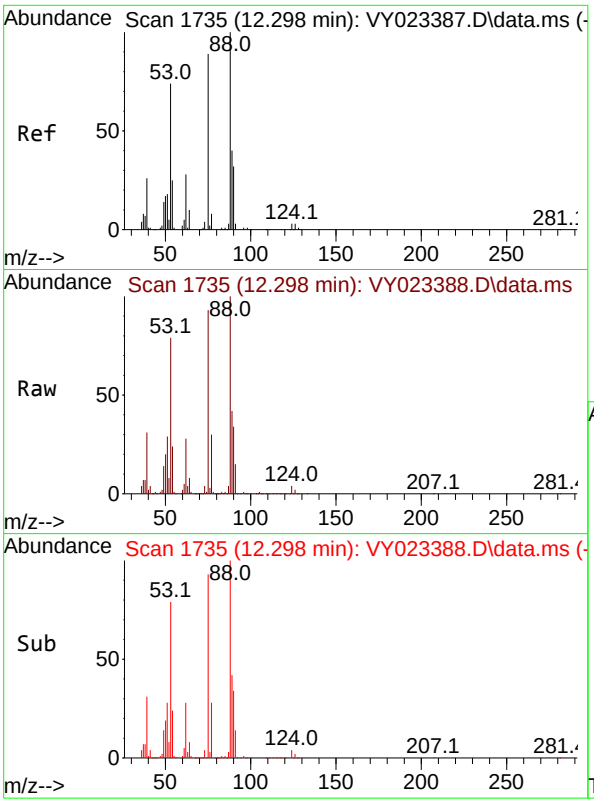


#80
1,3,5-Trimethylbenzene
Concen: 102.374 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:105 Resp: 2219080

Ion	Ratio	Lower	Upper
105	100		
120	51.6	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 101.273 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

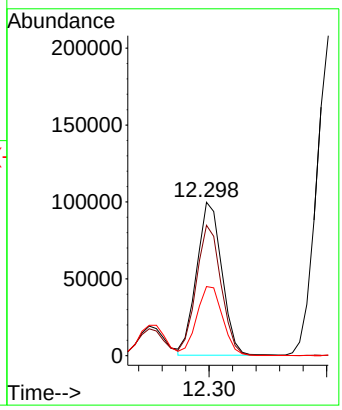
Tgt Ion: 75 Resp: 14830

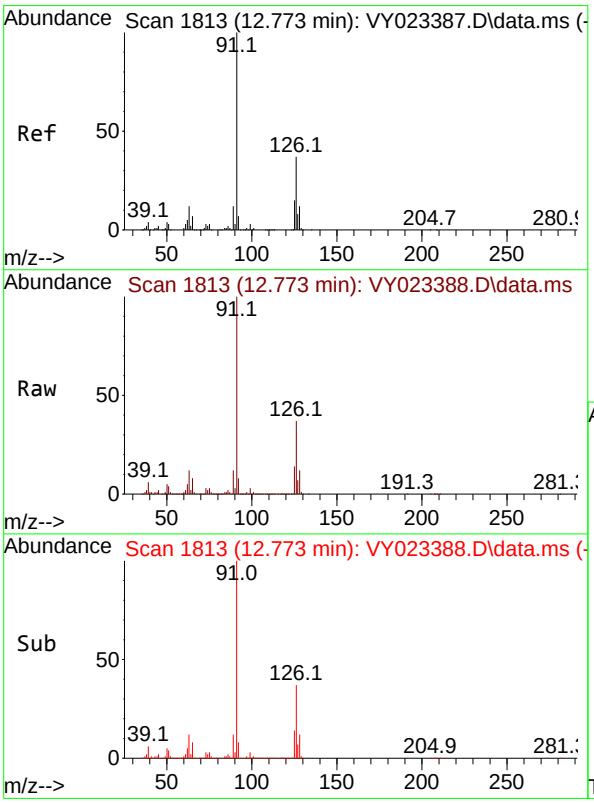
Ion	Ratio	Lower	Upper
75	100		
53	84.5	68.6	102.8
89	46.6	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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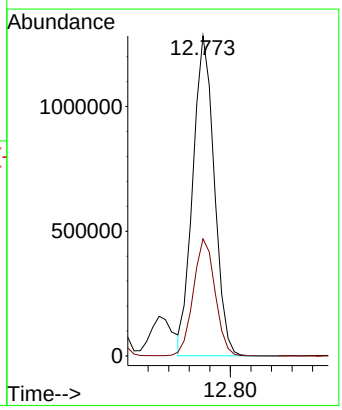


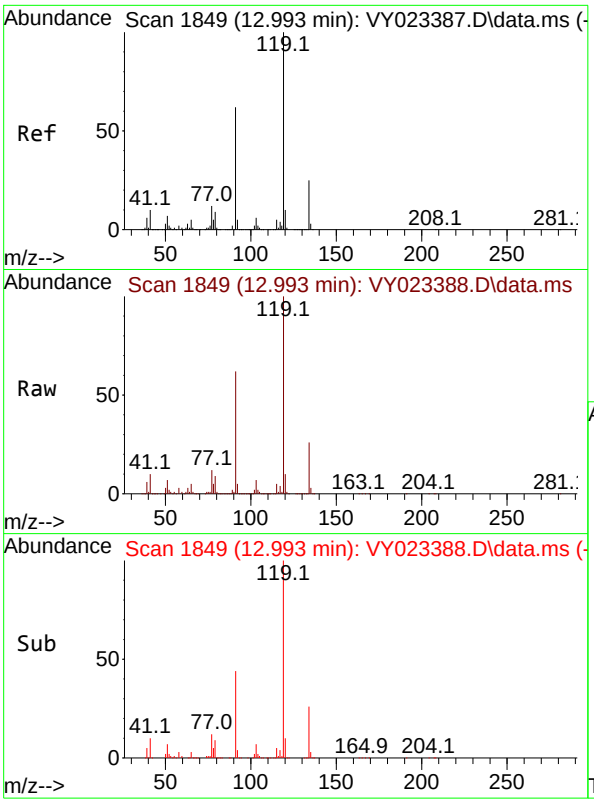


#82
4-Chlorotoluene
Concen: 98.060 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 1854165

Ion	Ratio	Lower	Upper
91	100		
126	37.4	18.4	55.4

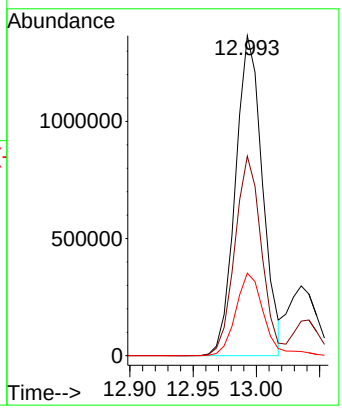




#83
tert-Butylbenzene
Concen: 102.684 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:119 Resp: 202819

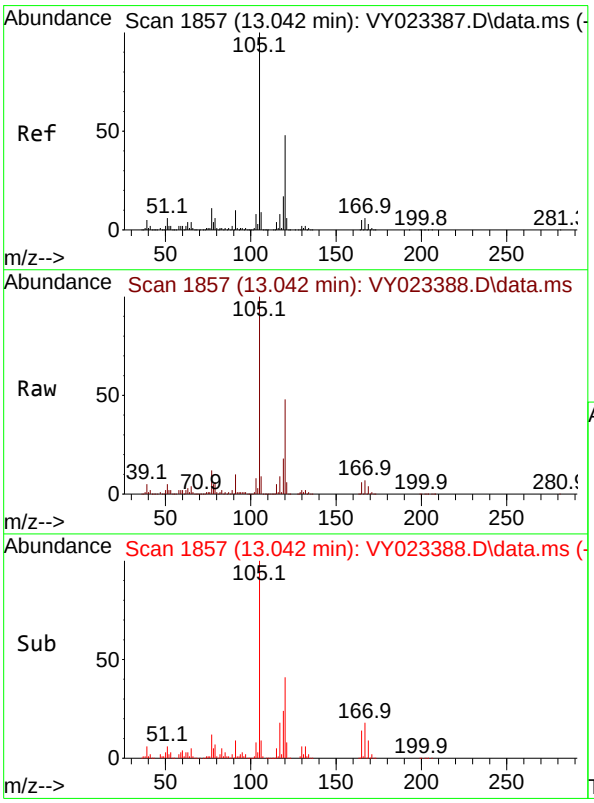
Ion	Ratio	Lower	Upper
119	100		
91	61.9	29.9	89.8
134	26.9	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

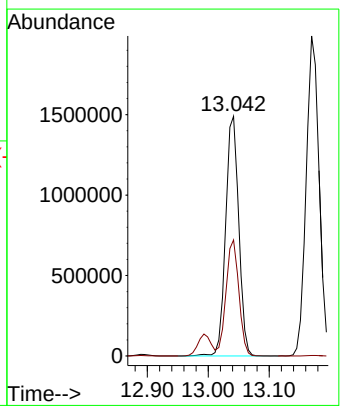
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

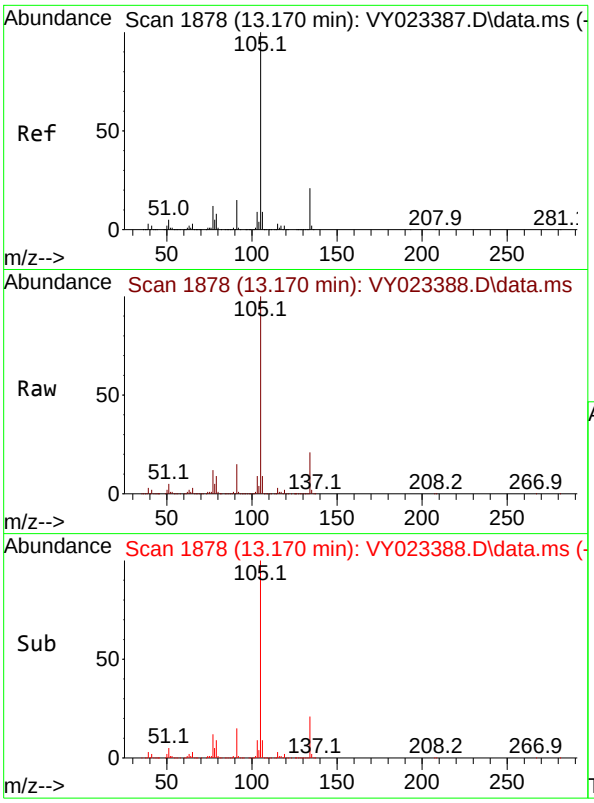


#84
1,2,4-Trimethylbenzene
Concen: 103.853 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:105 Resp: 2227197

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.2





#85
sec-Butylbenzene
Concen: 102.530 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

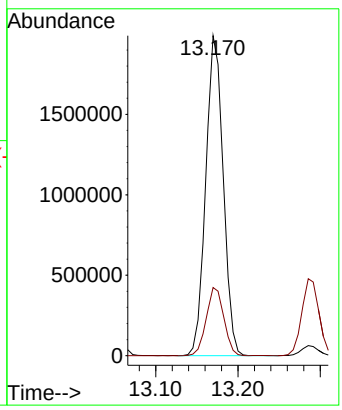
Tgt Ion:105 Resp: 293294

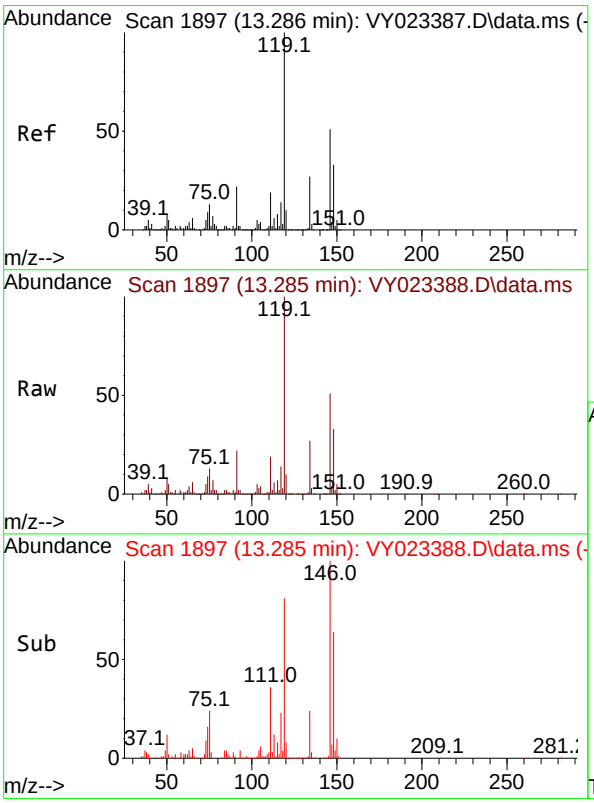
Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.7	32.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

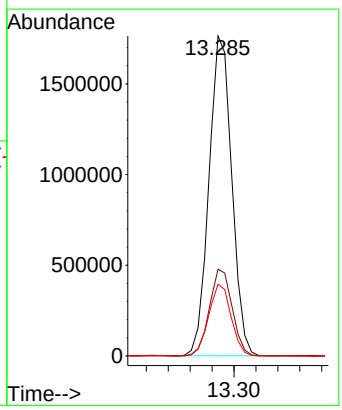


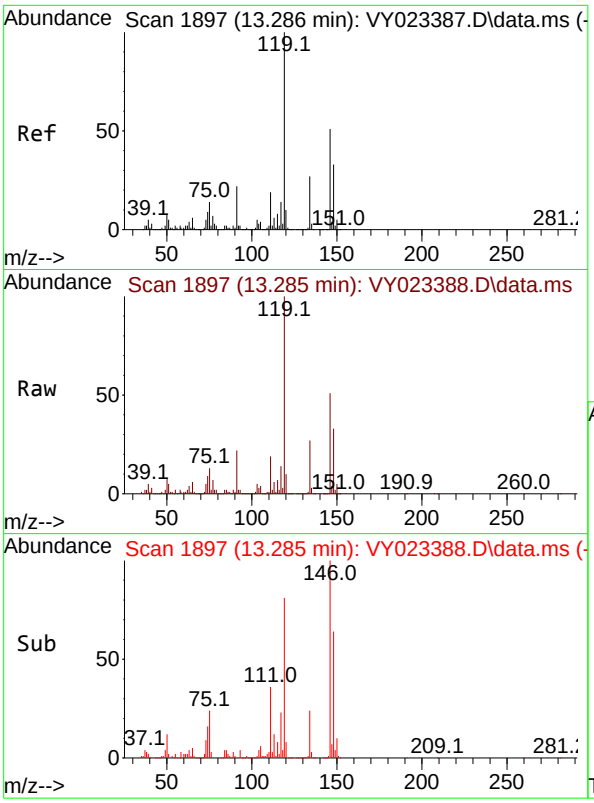


#86
p-Isopropyltoluene
Concen: 105.408 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:119 Resp: 2548220

Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.7
91	22.1	10.9	32.9





#87
1,3-Dichlorobenzene
Concen: 100.735 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

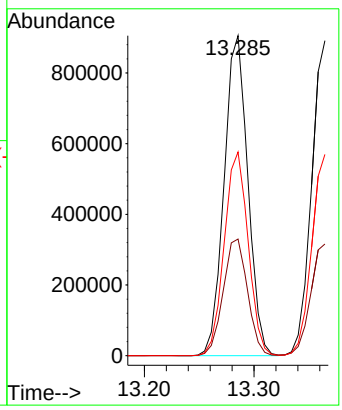
Tgt Ion:146 Resp: 136171

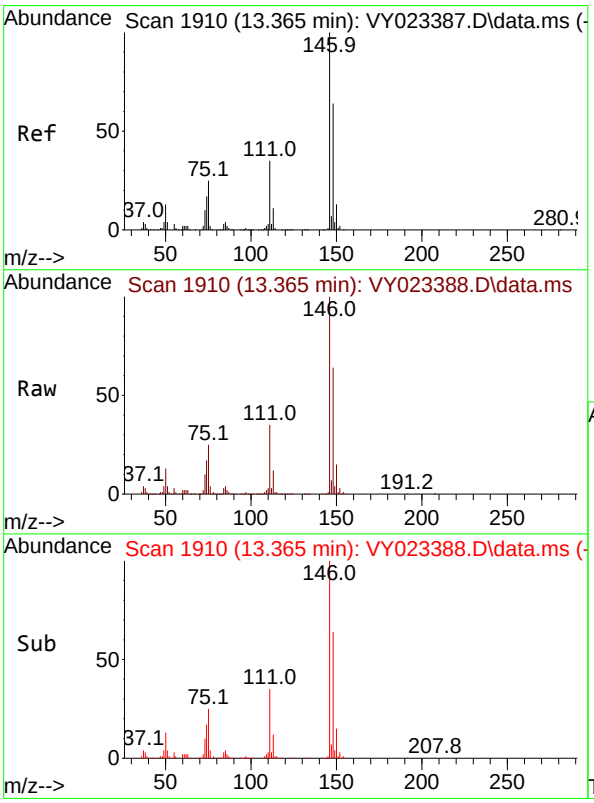
Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.1	31.9	95.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

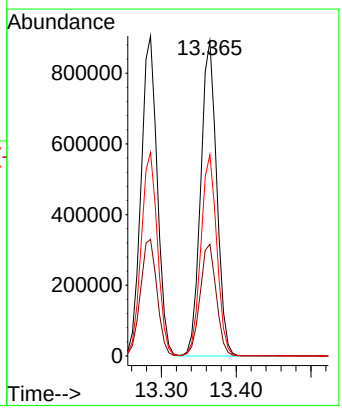


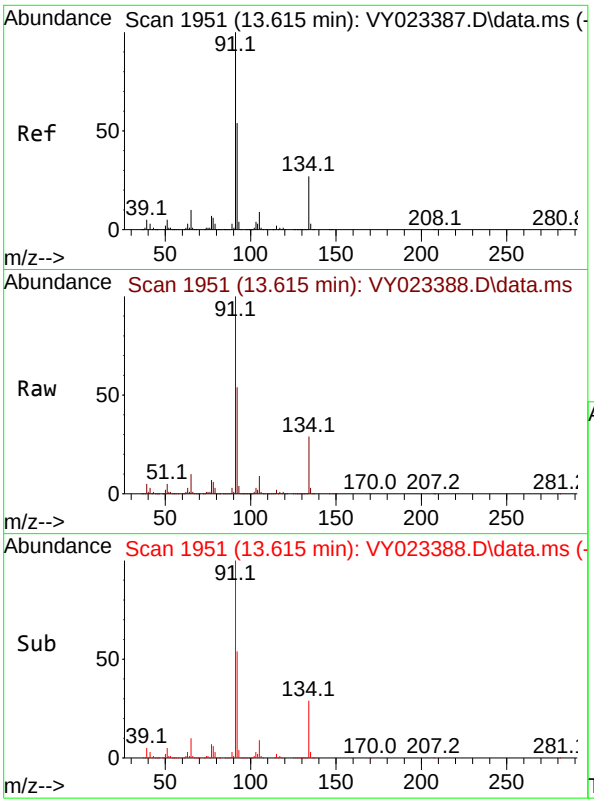


#88
1,4-Dichlorobenzene
Concen: 98.734 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:146 Resp: 1323618

Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.0	54.0
148	63.8	31.9	95.7

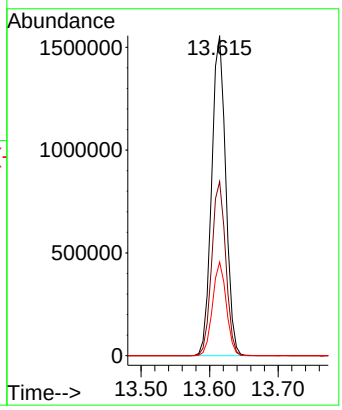




#89
n-Butylbenzene
Concen: 104.174 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 222374

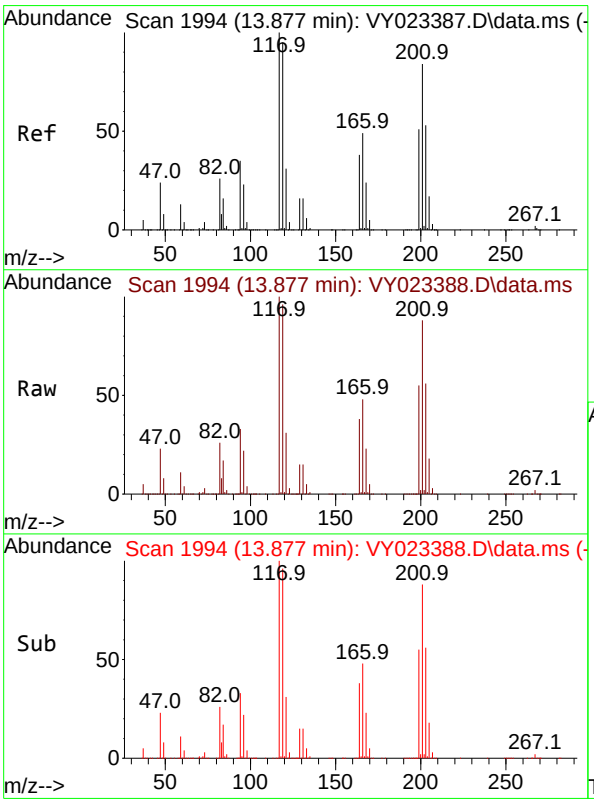
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.0	80.8
134	28.6	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

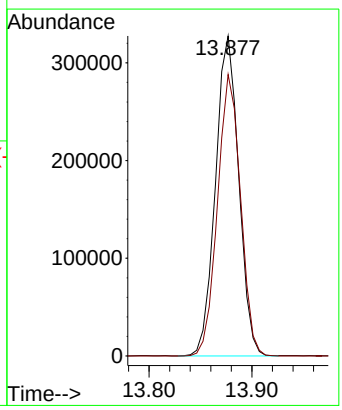
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

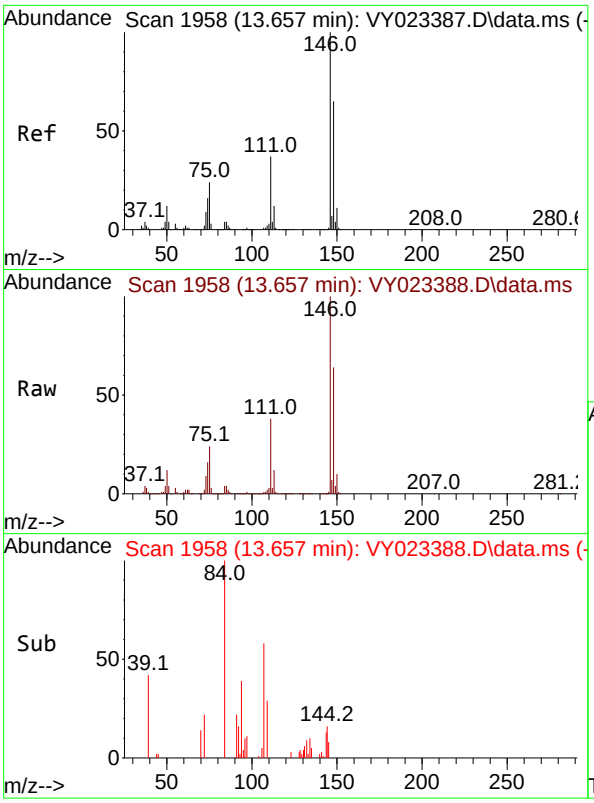


#90
Hexachloroethane
Concen: 98.069 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:117 Resp: 514746

Ion	Ratio	Lower	Upper
117	100		
201	86.8	43.8	131.4

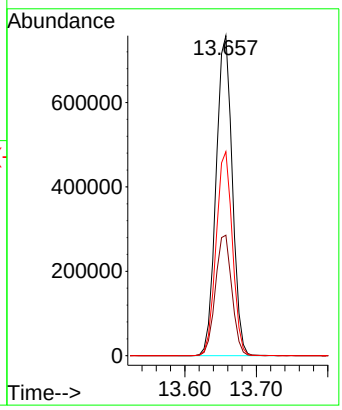




#91
1,2-Dichlorobenzene
Concen: 101.146 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:146 Resp: 119304

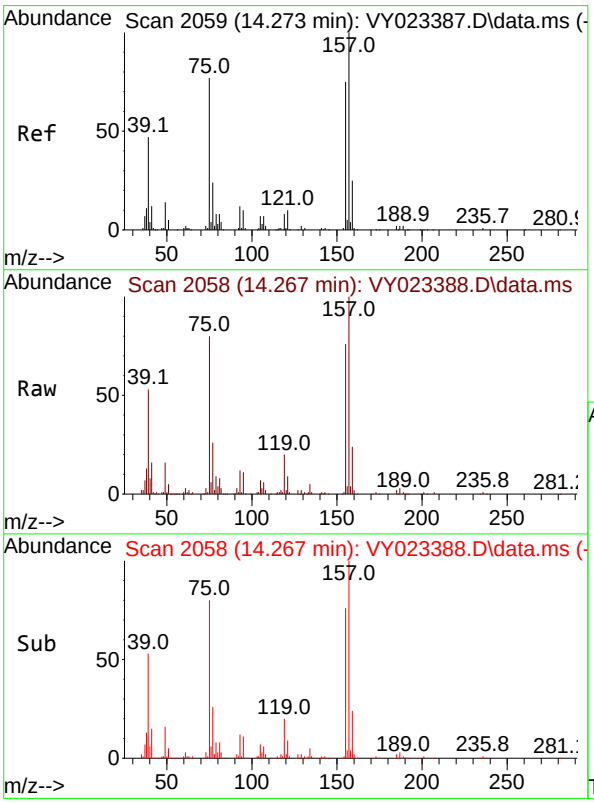
Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.0	57.0
148	64.1	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

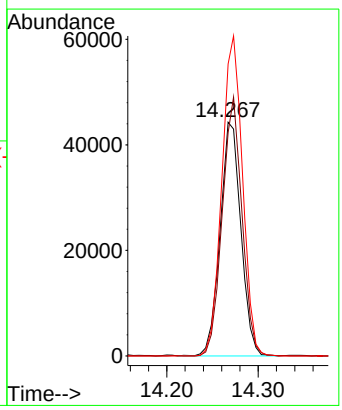
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

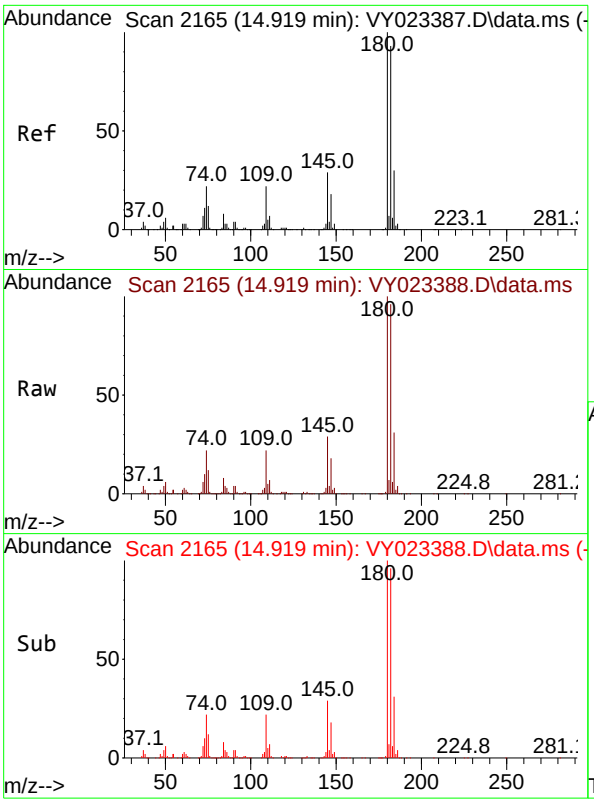


#92
1,2-Dibromo-3-Chloropropane
Concen: 99.458 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 70107

Ion	Ratio	Lower	Upper
75	100		
155	105.2	50.0	150.0
157	135.9	63.8	191.5

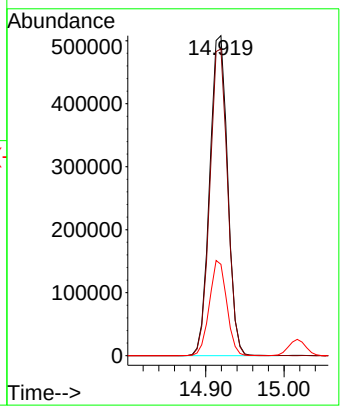




#93
1,2,4-Trichlorobenzene
Concen: 116.031 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:180 Resp: 80632

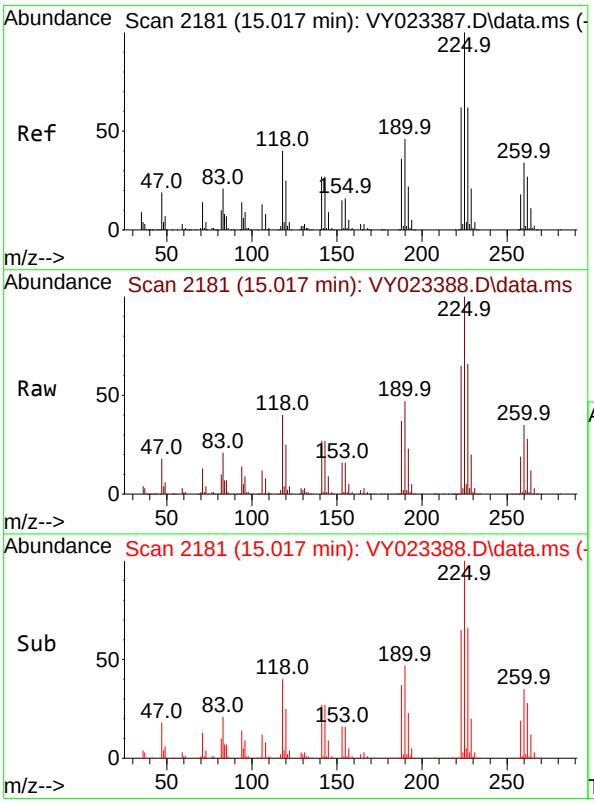
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	28.7	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

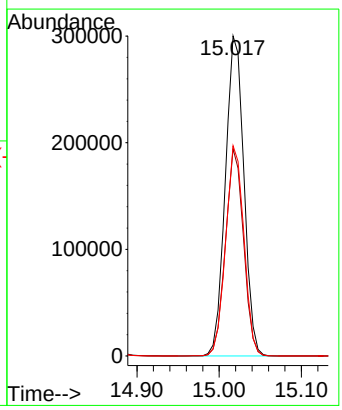
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

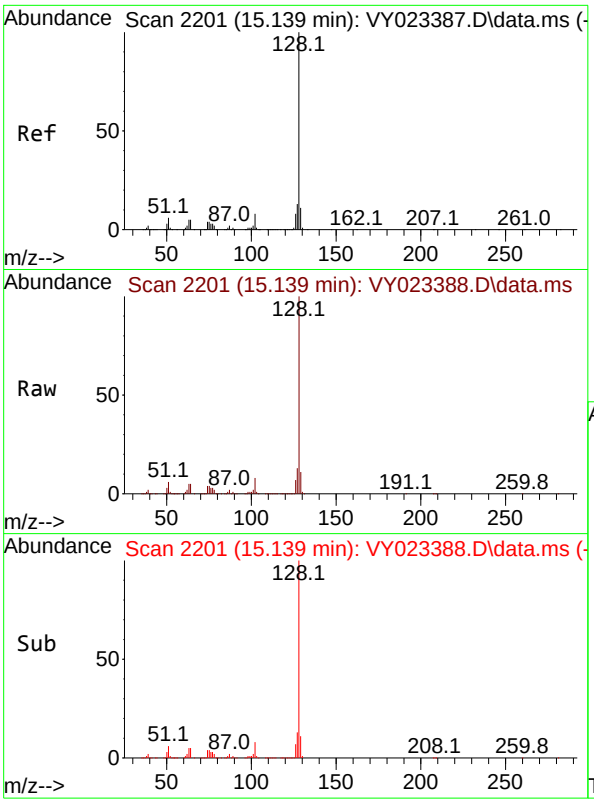


#94
Hexachlorobutadiene
Concen: 108.557 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:225 Resp: 470072

Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.8	92.3
227	64.6	31.9	95.7

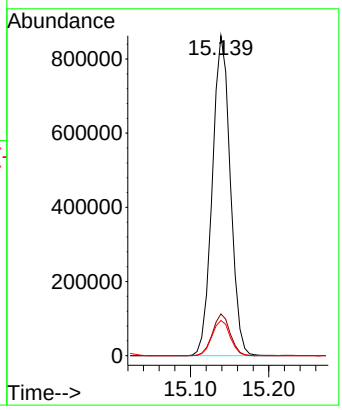




#95
Naphthalene
Concen: 124.485 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:128 Resp: 137829

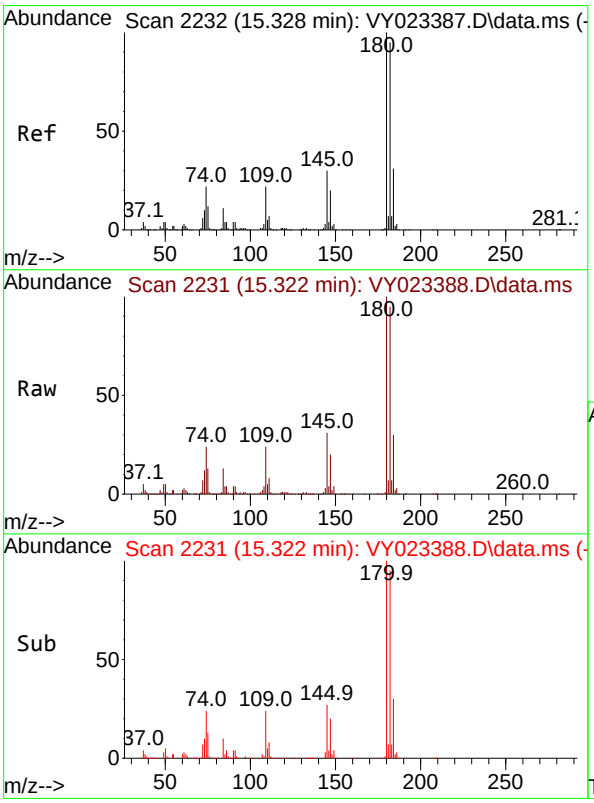
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

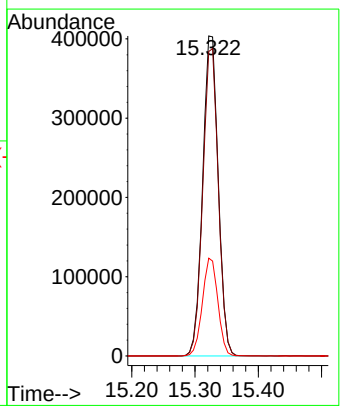
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 115.034 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:180 Resp: 693477

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	30.3	15.3	45.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:45:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	588489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	855488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	765357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	402368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	714730	140.236	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 280.480%#			
35) Dibromofluoromethane	7.634	113	778632	149.977	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 299.960%#			
50) Toluene-d8	10.103	98	2912319	148.741	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 297.480%#			
62) 4-Bromofluorobenzene	12.402	95	990964	160.423	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 320.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	587619	126.766	ug/l	97
3) Chloromethane	2.068	50	825167	125.233	ug/l	100
4) Vinyl Chloride	2.208	62	1118134	134.387	ug/l	100
5) Bromomethane	2.580	94	915389	134.118	ug/l	98
6) Chloroethane	2.726	64	756912	133.994	ug/l	99
7) Trichlorofluoromethane	3.050	101	1549160	144.948	ug/l	100
8) Diethyl Ether	3.452	74	418615	149.747	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	786278	137.639	ug/l	99
10) Methyl Iodide	4.007	142	992925	150.409	ug/l	99
11) Tert butyl alcohol	4.866	59	288878	963.279	ug/l	99
12) 1,1-Dichloroethene	3.787	96	781235	142.133	ug/l	97
13) Acrolein	3.653	56	423418	833.323	ug/l	100
14) Allyl chloride	4.385	41	988378	143.628	ug/l	99
15) Acrylonitrile	5.055	53	841857	768.735	ug/l	99
16) Acetone	3.866	43	789668	689.040	ug/l	99
17) Carbon Disulfide	4.104	76	2199339	128.252	ug/l	100
18) Methyl Acetate	4.385	43	505344	173.497	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	2056533	159.802	ug/l	97
20) Methylene Chloride	4.616	84	835005	134.365	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	871380	142.549	ug/l	98
22) Diisopropyl ether	6.019	45	2218430	145.375	ug/l	99
23) Vinyl Acetate	5.958	43	6377047	760.246	ug/l	99
24) 1,1-Dichloroethane	5.915	63	1398477	139.024	ug/l	98
25) 2-Butanone	6.890	43	1116343	788.091	ug/l	97
26) 2,2-Dichloropropane	6.884	77	1281633	143.391	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	1043574	150.505	ug/l	98
28) Bromochloromethane	7.244	49	482210	123.567	ug/l	99
29) Tetrahydrofuran	7.262	42	687719	817.972	ug/l	100
30) Chloroform	7.421	83	1542715	142.221	ug/l	99
31) Cyclohexane	7.701	56	1192778	134.268	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	1405131	144.305	ug/l	100
36) 1,1-Dichloropropene	7.835	75	1069665	146.031	ug/l	100
37) Ethyl Acetate	6.982	43	460027	158.853	ug/l	98
38) Carbon Tetrachloride	7.817	117	1290353	151.646	ug/l	99
39) Methylcyclohexane	9.109	83	1496612	159.580	ug/l	99
40) Benzene	8.079	78	3366812	147.442	ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 04:45:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	246974	164.212	ug/l		98
42) 1,2-Dichloroethane	8.158	62	866250	149.063	ug/l		100
43) Isopropyl Acetate	8.195	43	946087	167.955	ug/l		100
44) Trichloroethene	8.866	130	966011	150.740	ug/l		99
45) 1,2-Dichloropropane	9.140	63	752286	146.403	ug/l		99
46) Dibromomethane	9.231	93	483702	153.895	ug/l		99
47) Bromodichloromethane	9.420	83	1202247	151.965	ug/l		98
48) Methyl methacrylate	9.219	41	463614	176.368	ug/l		100
49) 1,4-Dioxane	9.225	88	123991	3809.726	ug/l		97
51) 4-Methyl-2-Pentanone	9.993	43	2516107	872.045	ug/l		100
52) Toluene	10.170	92	2272574	156.786	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	1123644	165.367	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	1296713	159.654	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	652242	156.020	ug/l		96
56) Ethyl methacrylate	10.438	69	886127	184.048	ug/l		100
57) 1,3-Dichloropropane	10.713	76	1049593	155.122	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	2040136	968.559	ug/l		100
59) 2-Hexanone	10.755	43	1776032	889.038	ug/l		99
60) Dibromochloromethane	10.908	129	935577	164.084	ug/l		99
61) 1,2-Dibromoethane	11.012	107	639895	162.699	ug/l		99
64) Tetrachloroethene	10.646	164	1046931	136.739	ug/l		98
65) Chlorobenzene	11.438	112	2563176	154.117	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	923367	157.870	ug/l		99
67) Ethyl Benzene	11.518	91	4341801	159.957	ug/l		97
68) m/p-Xylenes	11.627	106	3502137	321.899	ug/l		99
69) o-Xylene	11.950	106	1694987	168.295	ug/l		98
70) Styrene	11.969	104	2830398	170.203	ug/l		99
71) Bromoform	12.127	173	602644	172.115	ug/l	#	99
73) Isopropylbenzene	12.249	105	4290662	160.084	ug/l		100
74) N-amyl acetate	12.066	43	890882	177.866	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	737773	165.010	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	565754m	142.542	ug/l		
77) Bromobenzene	12.530	156	1111318	161.555	ug/l		100
78) n-propylbenzene	12.591	91	4932015	156.465	ug/l		99
79) 2-Chlorotoluene	12.676	91	2822049	155.063	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	3496249	160.460	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	245190	166.570	ug/l		98
82) 4-Chlorotoluene	12.773	91	2902371	152.701	ug/l		99
83) tert-Butylbenzene	12.993	119	3220384	162.197	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	3503639	162.527	ug/l		99
85) sec-Butylbenzene	13.170	105	4560715	158.609	ug/l		99
86) p-Isopropyltoluene	13.286	119	4024712	165.622	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	2165278	159.350	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	2090133	155.104	ug/l		100
89) n-Butylbenzene	13.615	91	3505715	163.379	ug/l		99
90) Hexachloroethane	13.877	117	799264	151.487	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	1862691	157.101	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	116273	164.099	ug/l		96
93) 1,2,4-Trichlorobenzene	14.913	180	1272621	182.183	ug/l		100
94) Hexachlorobutadiene	15.017	225	711748	163.518	ug/l		98
95) Naphthalene	15.139	128	2277549	204.639	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	1110193	183.206	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:45:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

ICAL Form

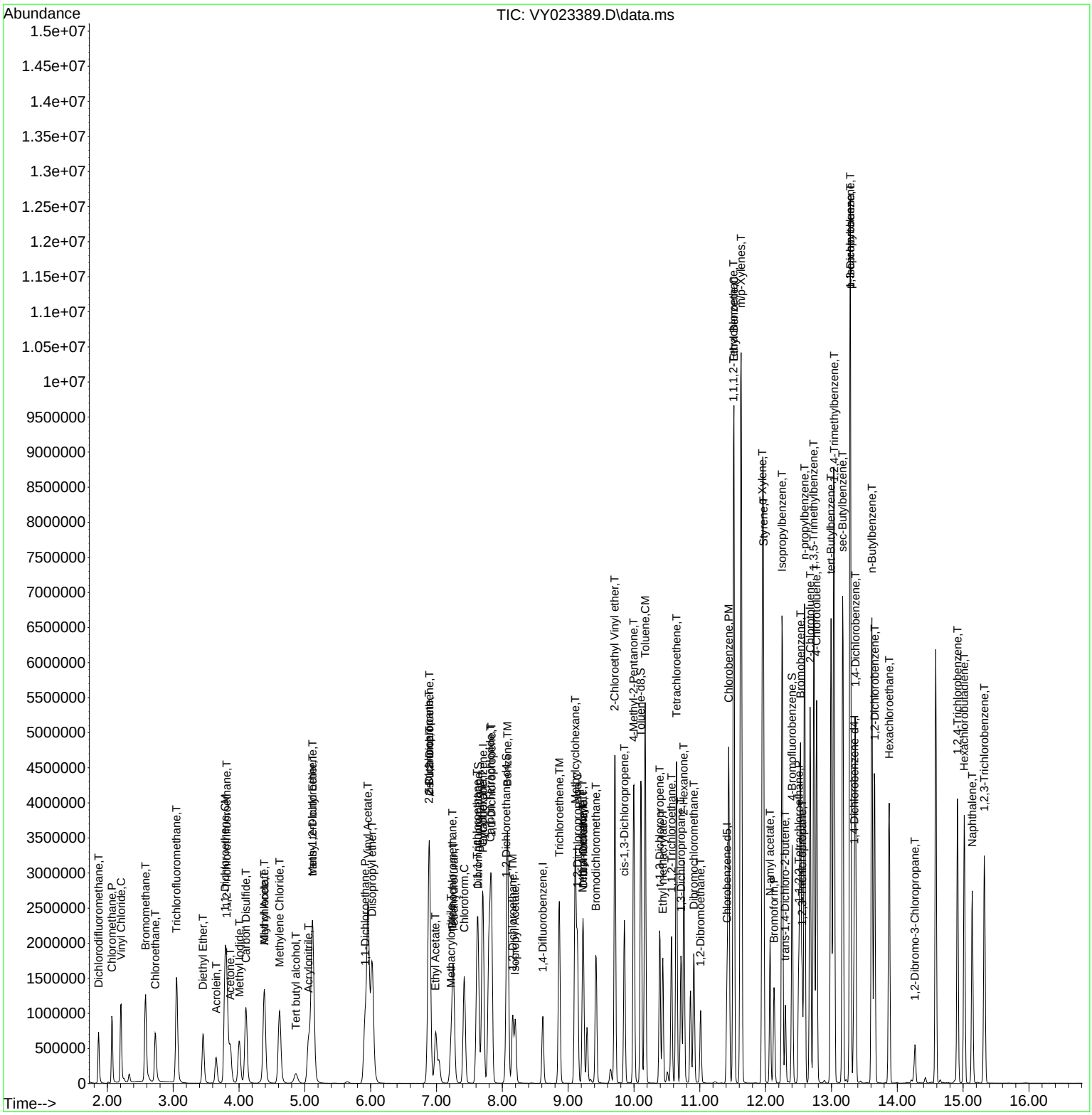
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

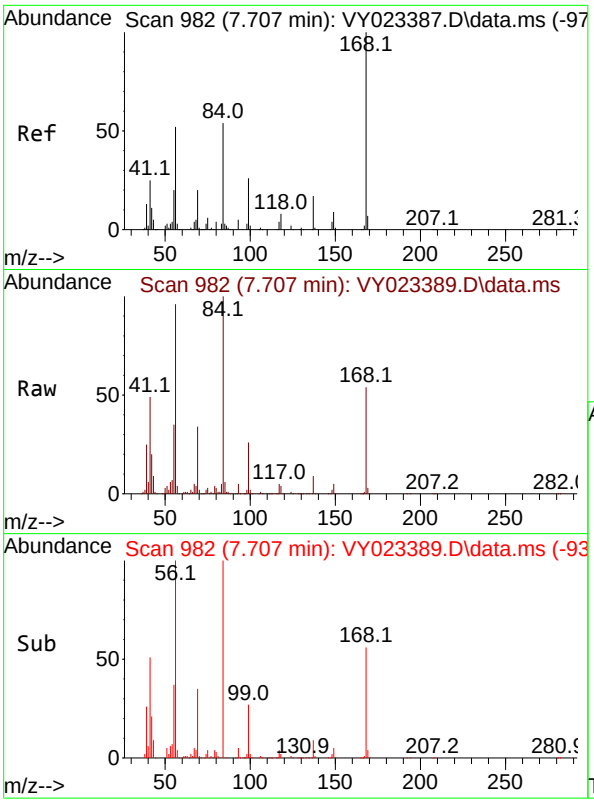
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Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

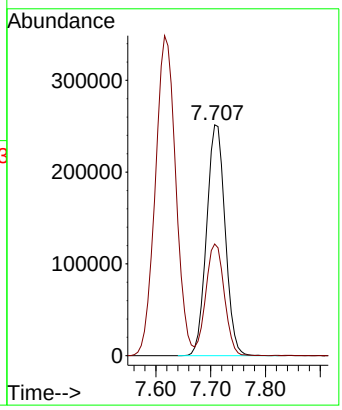




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:168 Resp: 58848

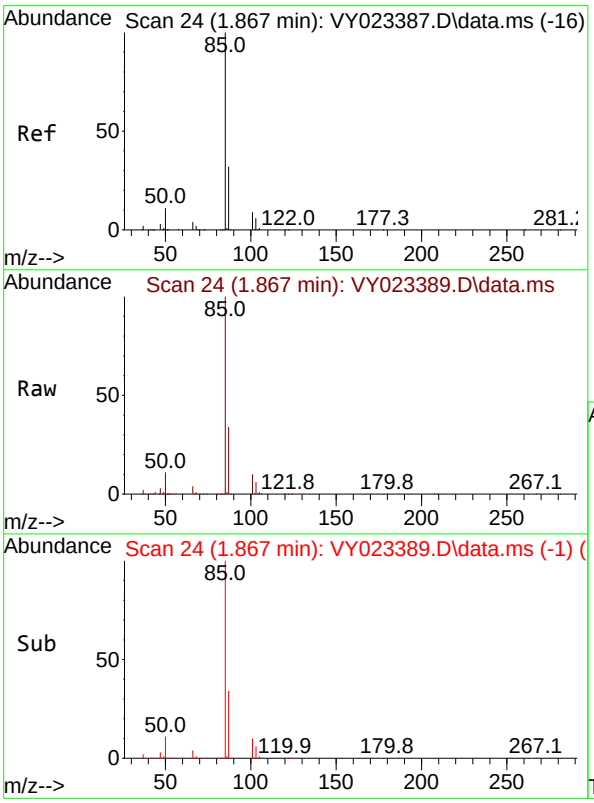
Ion	Ratio	Lower	Upper
168	100		
99	48.3	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

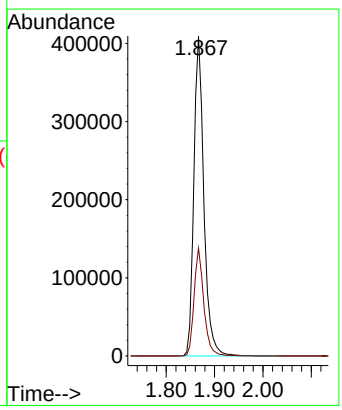
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

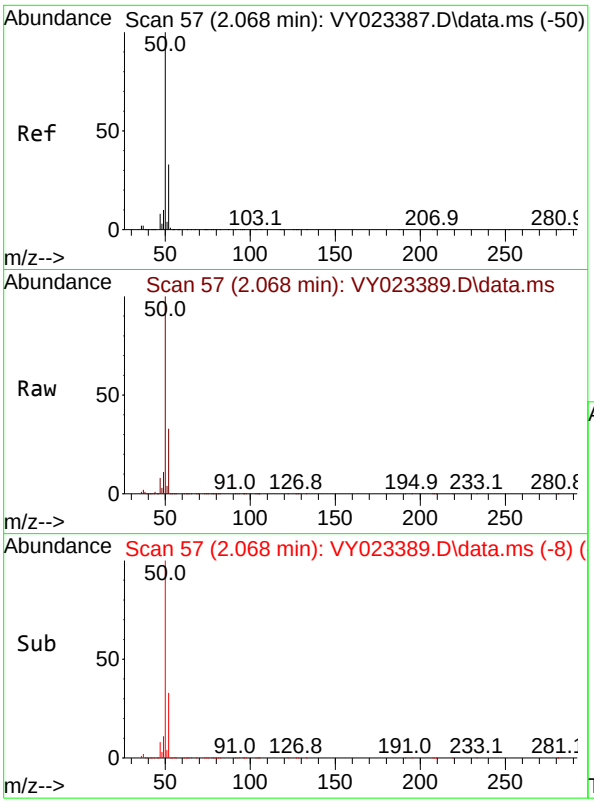


#2
Dichlorodifluoromethane
Concen: 126.766 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 85 Resp: 587619

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.0	47.9

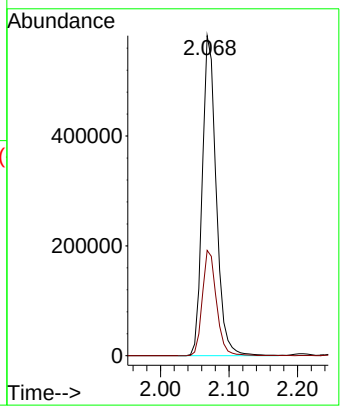




#3
Chloromethane
Concen: 125.233 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 50 Resp: 82516

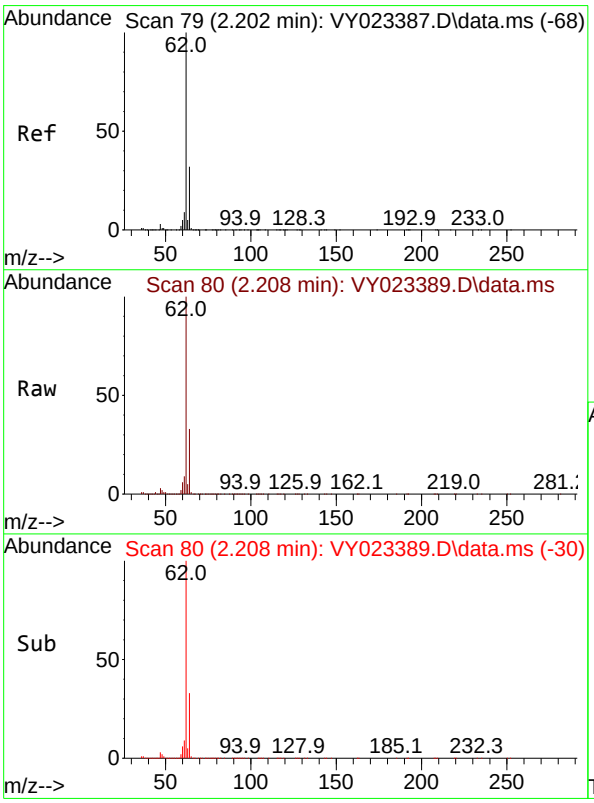
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

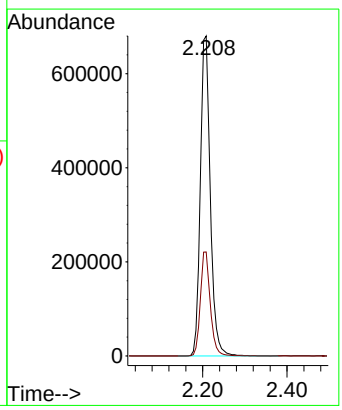
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

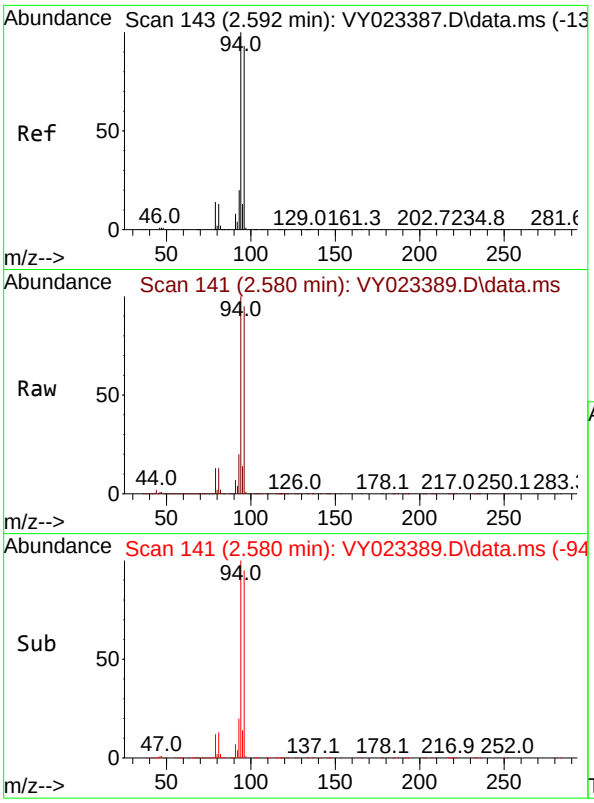


#4
Vinyl Chloride
Concen: 134.387 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 62 Resp: 1118134

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.8	38.8

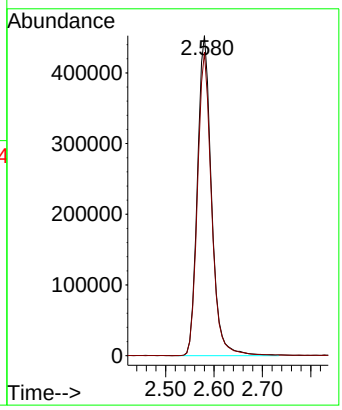




#5
Bromomethane
Concen: 134.118 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 94 Resp: 91538

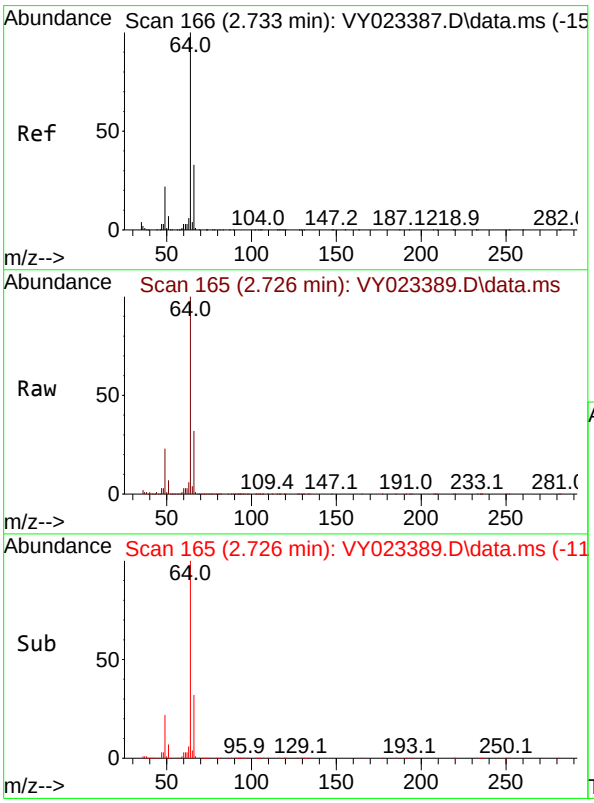
Ion	Ratio	Lower	Upper
94	100		
96	94.8	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

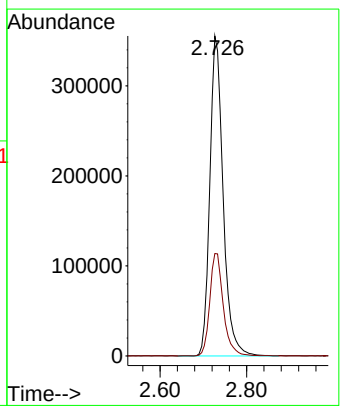
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

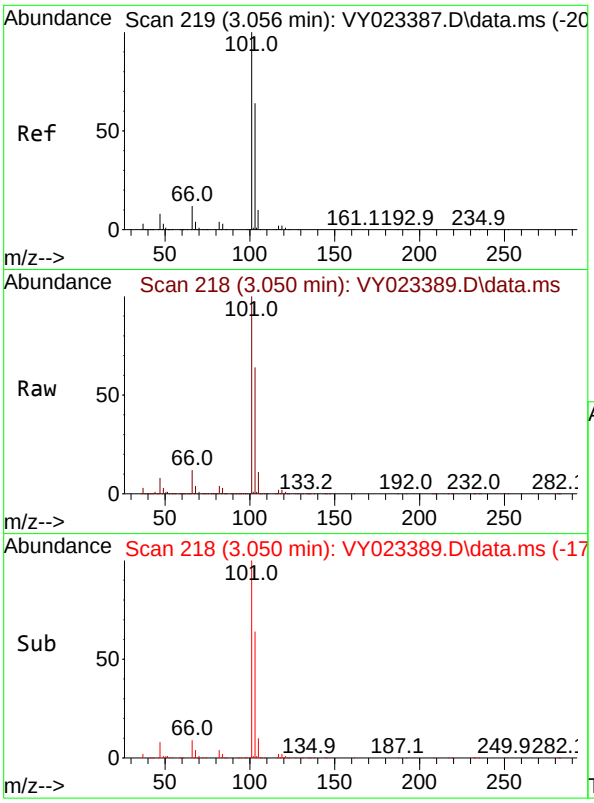


#6
Chloroethane
Concen: 133.994 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 64 Resp: 756912

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.2	39.4





#7
Trichlorofluoromethane
Concen: 144.948 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

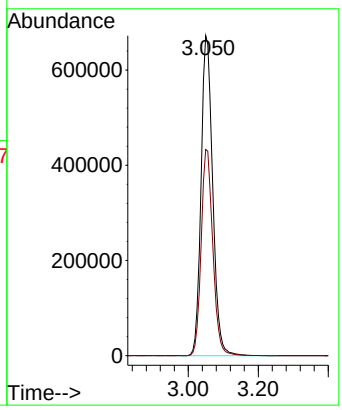
Tgt Ion:101 Resp: 154916

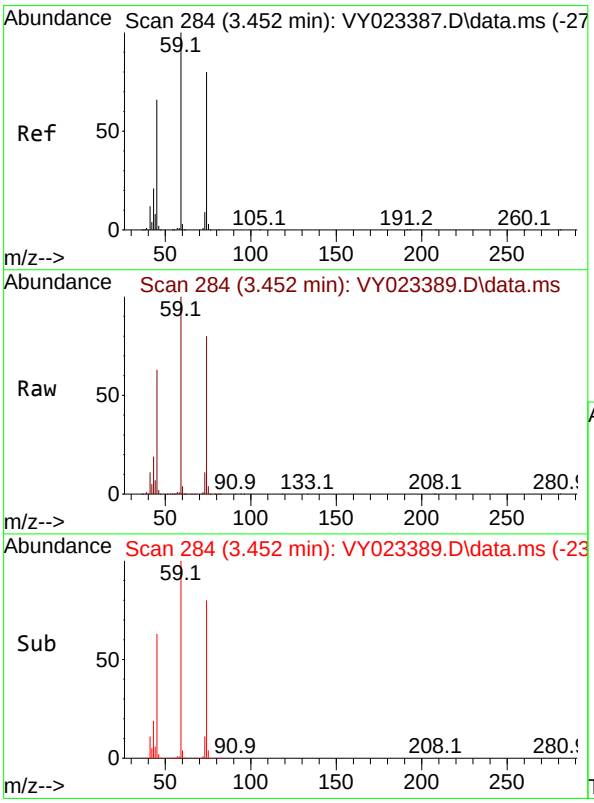
Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.3	76.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

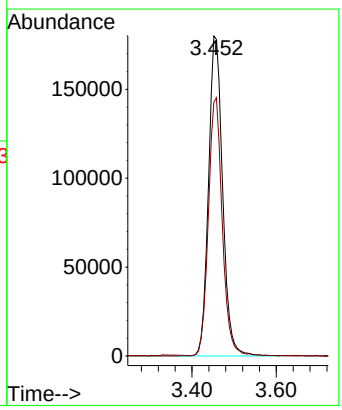


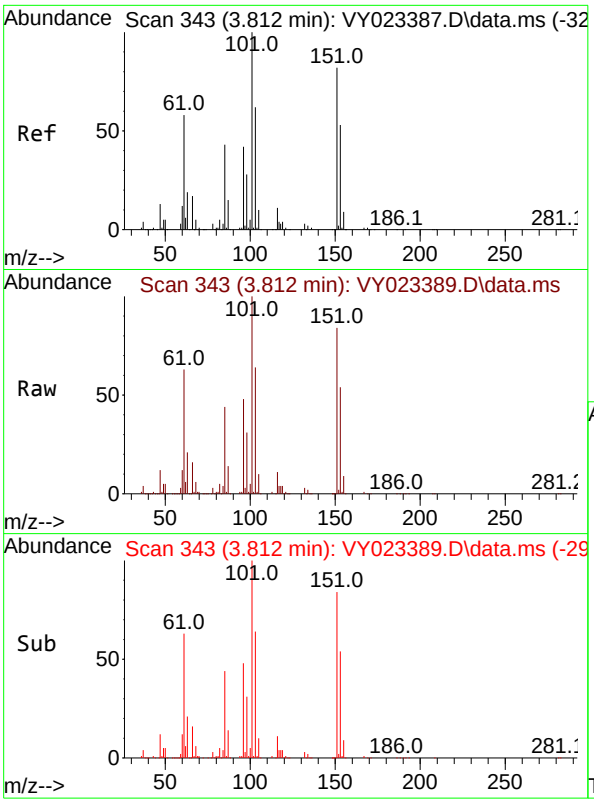


#8
Diethyl Ether
Concen: 149.747 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 74 Resp: 418615

Ion	Ratio	Lower	Upper
74	100		
45	79.7	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 137.639 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

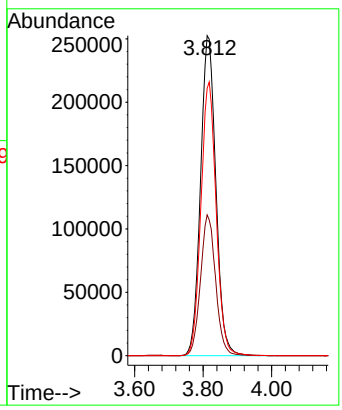
Tgt Ion:101 Resp: 78627

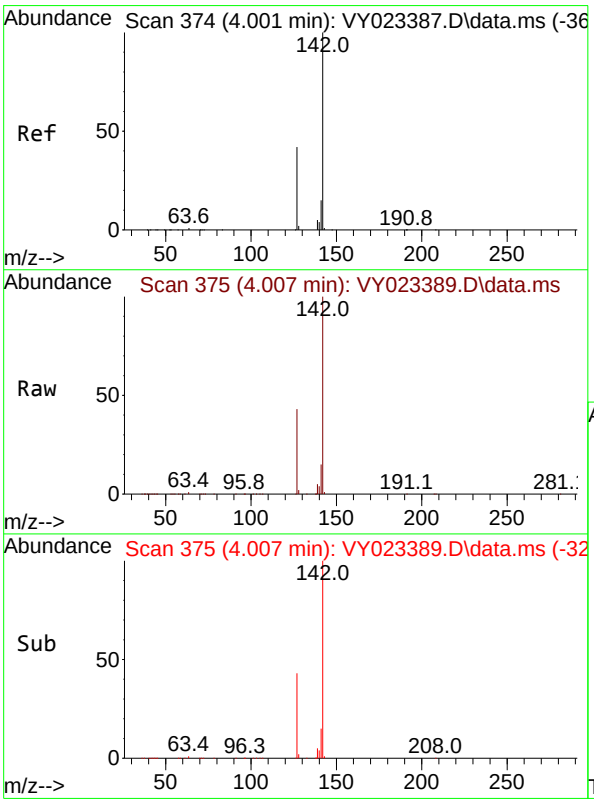
Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.6	51.8
151	85.2	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

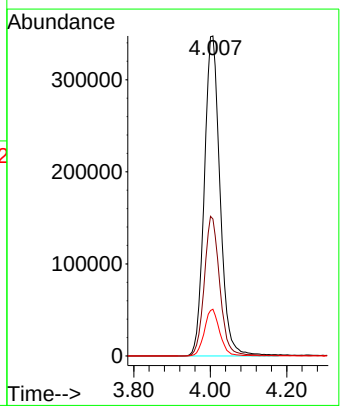


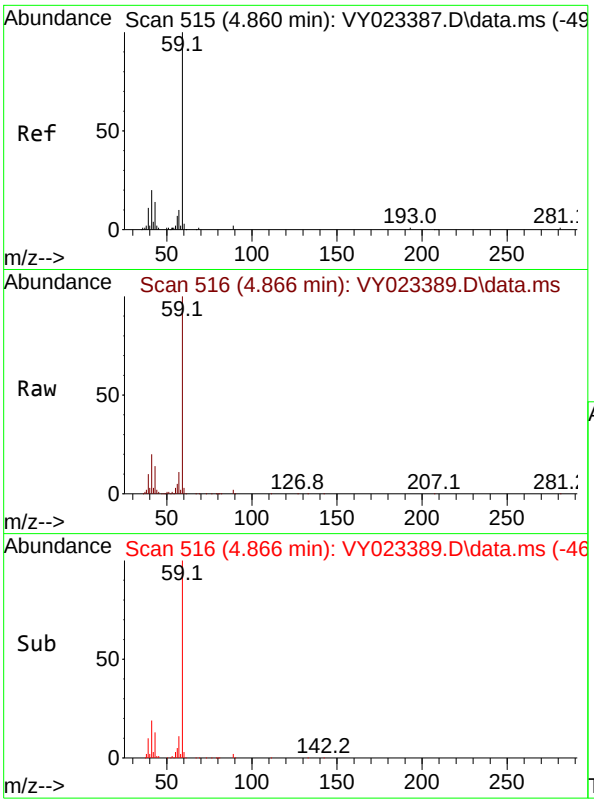


#10
Methyl Iodide
Concen: 150.409 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:142 Resp: 992925

Ion	Ratio	Lower	Upper
142	100		
127	42.8	34.8	52.2
141	14.1	11.6	17.4

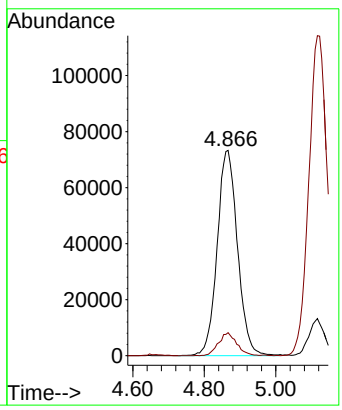




#11
Tert butyl alcohol
Concen: 963.279 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 59 Resp: 28887

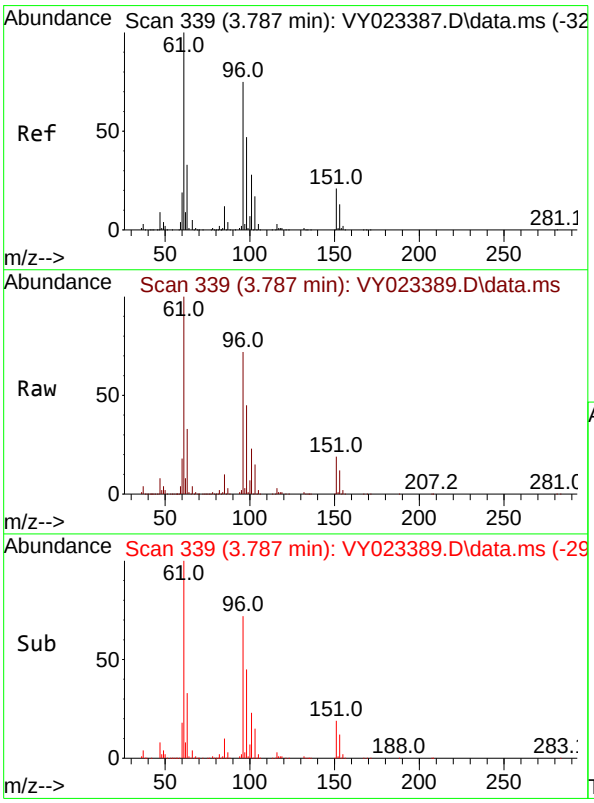
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

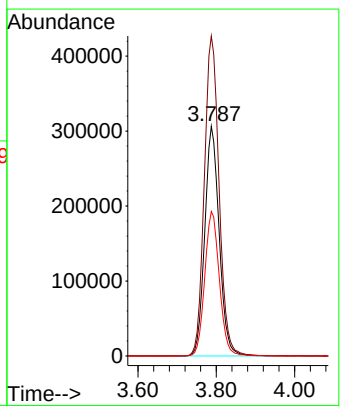
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

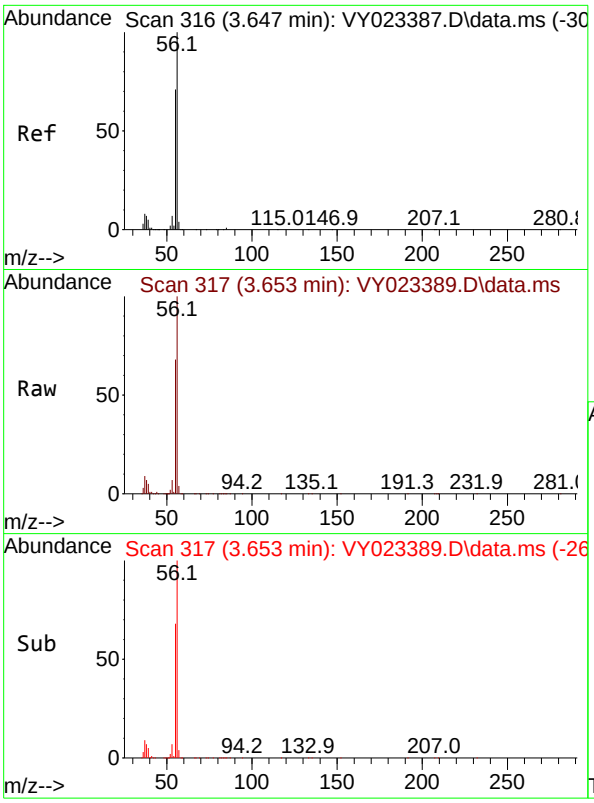


#12
1,1-Dichloroethene
Concen: 142.133 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 96 Resp: 781235

Ion	Ratio	Lower	Upper
96	100		
61	139.3	106.7	160.1
98	62.9	50.2	75.4

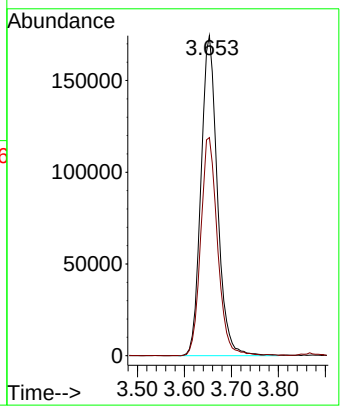




#13
Acrolein
Concen: 833.323 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 56 Resp: 42341

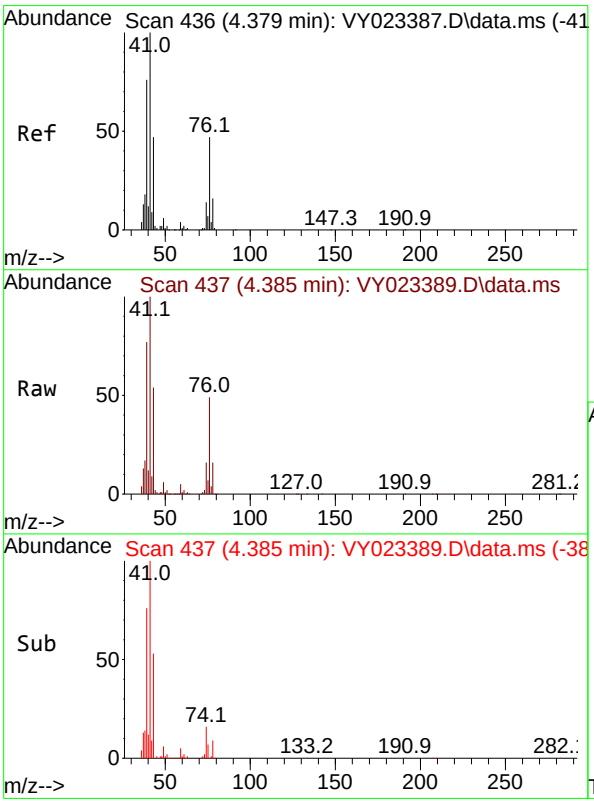
Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

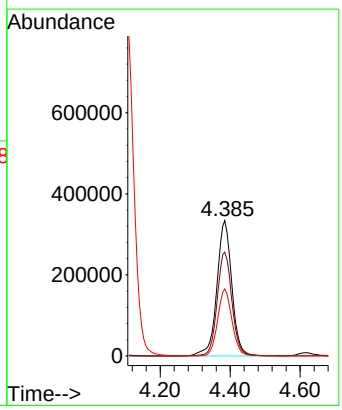
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

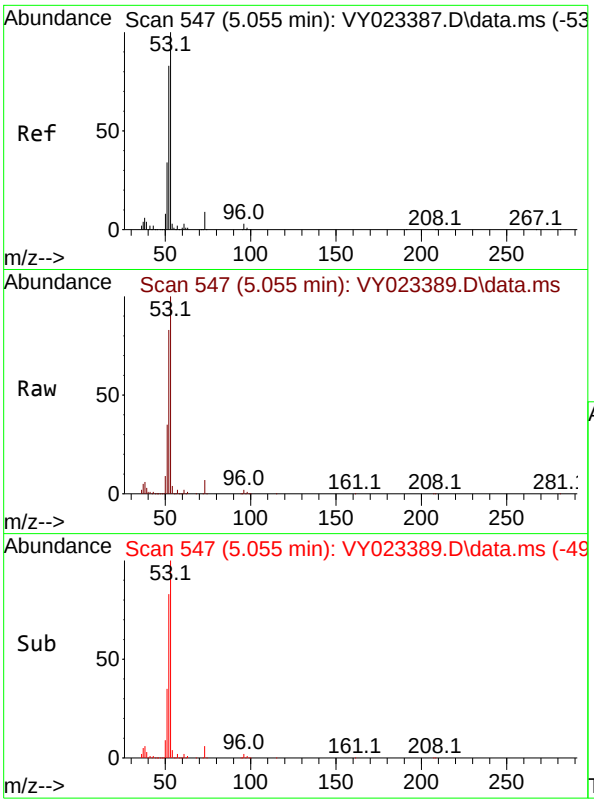


#14
Allyl chloride
Concen: 143.628 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 41 Resp: 988378

Ion	Ratio	Lower	Upper
41	100		
39	75.6	59.9	89.9
76	47.2	38.0	57.0

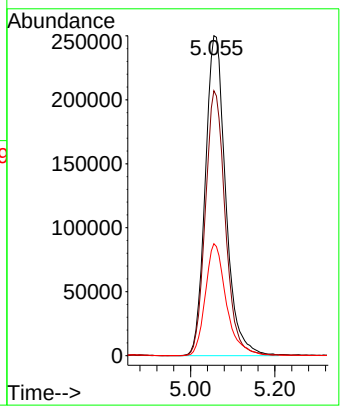




#15
Acrylonitrile
Concen: 768.735 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 53 Resp: 84185

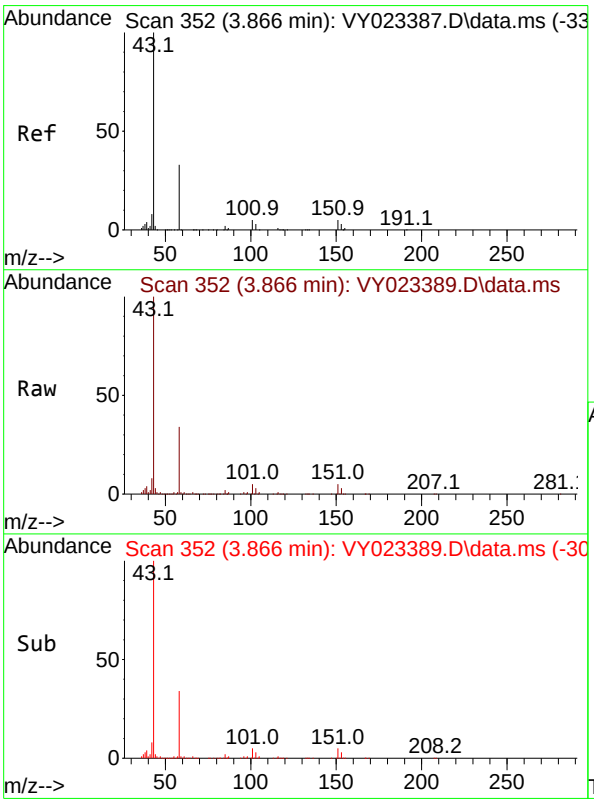
Ion	Ratio	Lower	Upper
53	100		
52	80.9	64.6	97.0
51	36.0	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

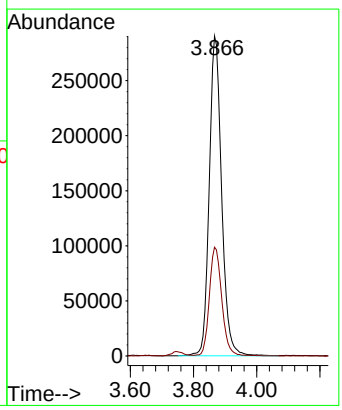
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

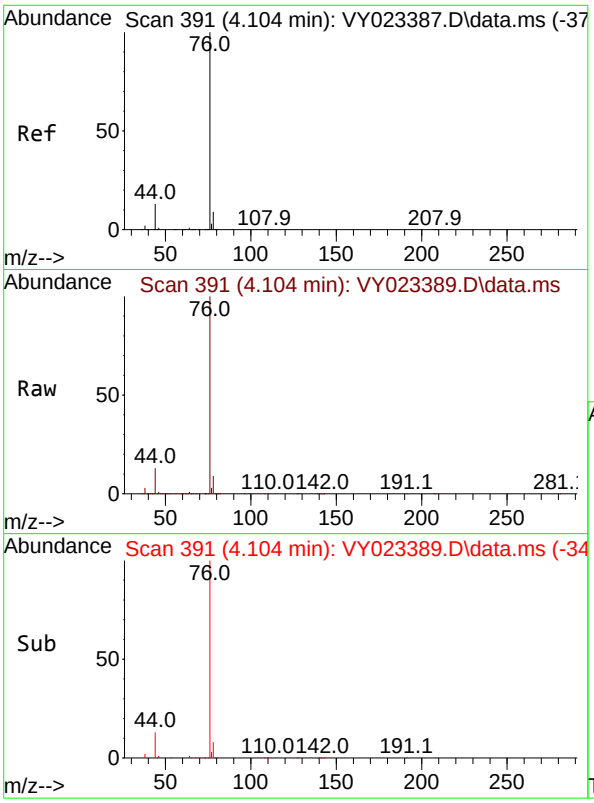


#16
Acetone
Concen: 689.040 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 789668

Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.7	41.5

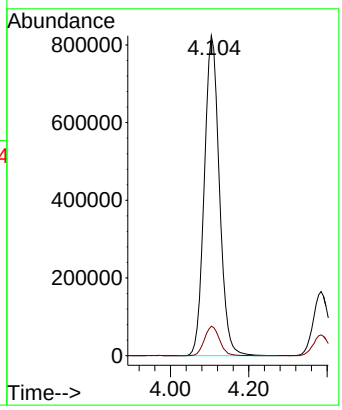




#17
Carbon Disulfide
Concen: 128.252 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 76 Resp: 219933

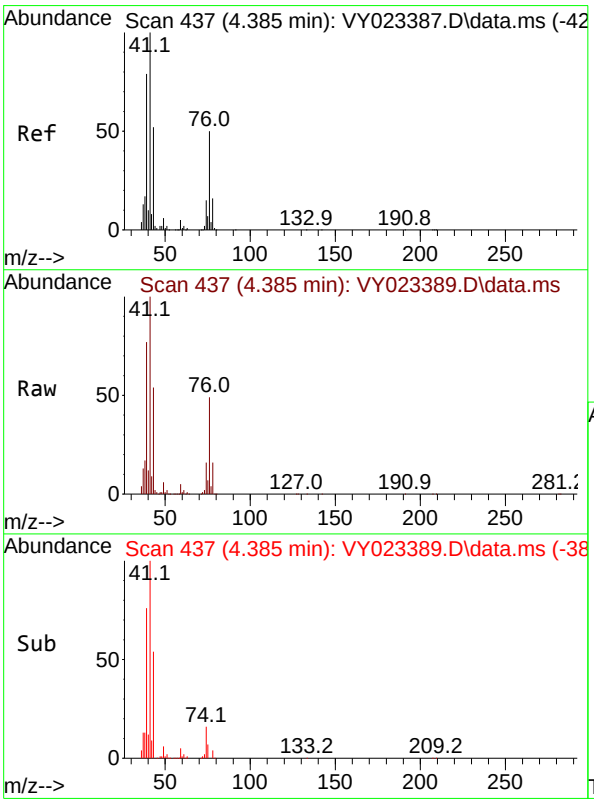
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

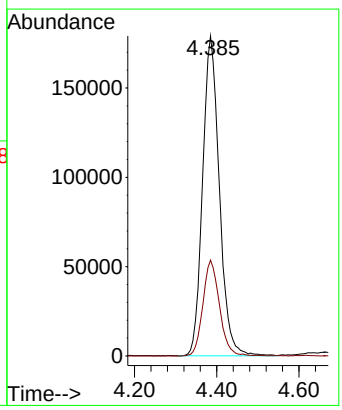
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

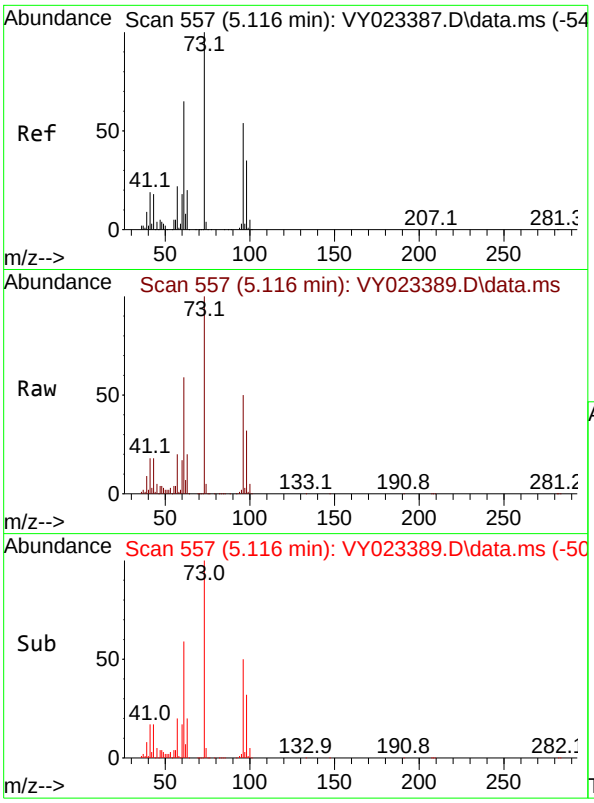


#18
Methyl Acetate
Concen: 173.497 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 505344

Ion	Ratio	Lower	Upper
43	100		
74	29.7	24.2	36.4

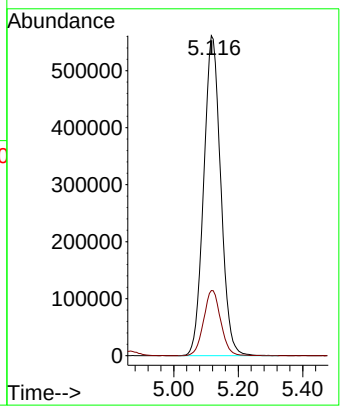




#19
Methyl tert-butyl Ether
Concen: 159.802 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 73 Resp: 205653

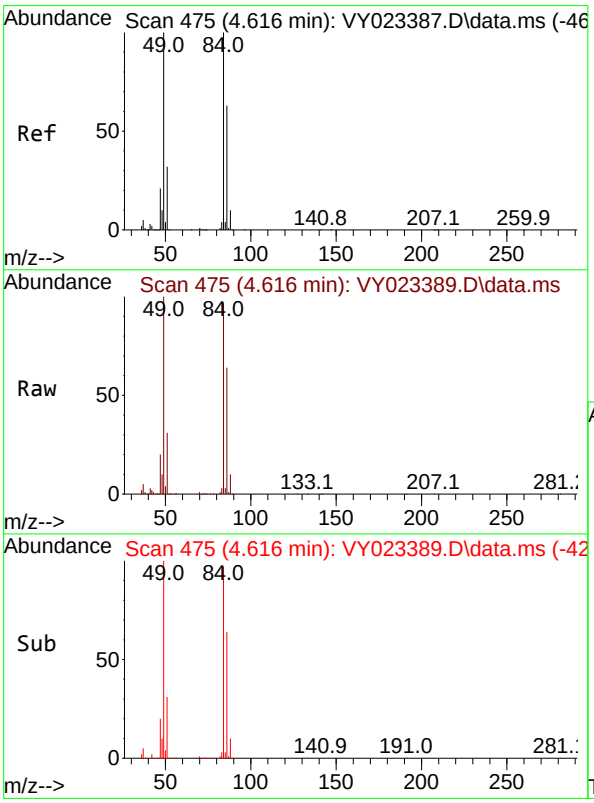
Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

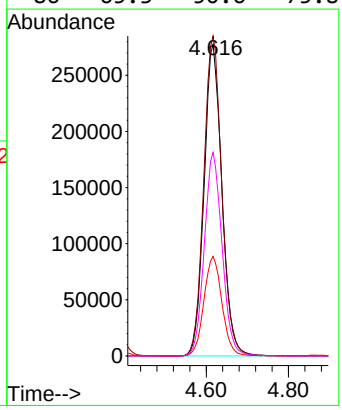
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

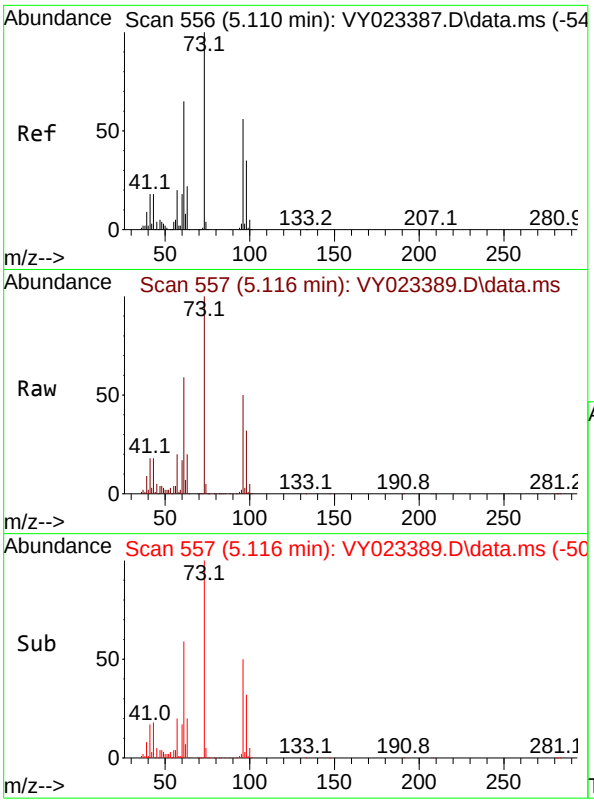


#20
Methylene Chloride
Concen: 134.365 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 84 Resp: 835005

Ion	Ratio	Lower	Upper
84	100		
49	102.7	80.2	120.4
51	31.9	25.9	38.9
86	65.3	50.6	75.8

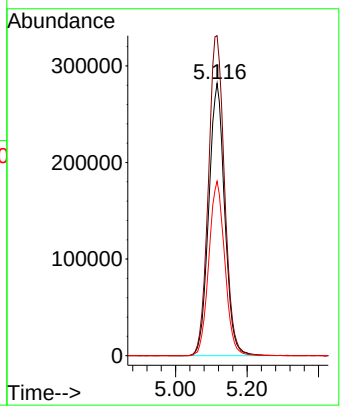




#21
trans-1,2-Dichloroethene
Concen: 142.549 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 96 Resp: 87138

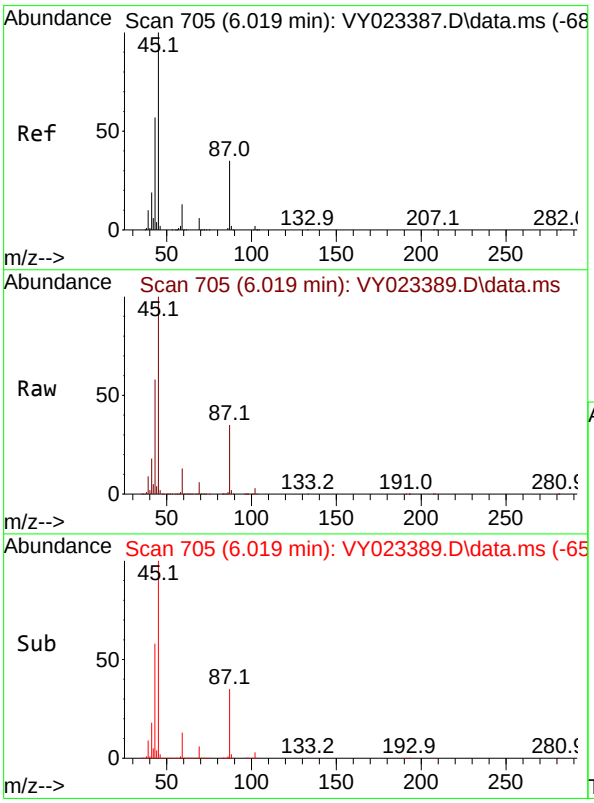
Ion	Ratio	Lower	Upper
96	100		
61	117.5	92.7	139.1
98	64.1	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

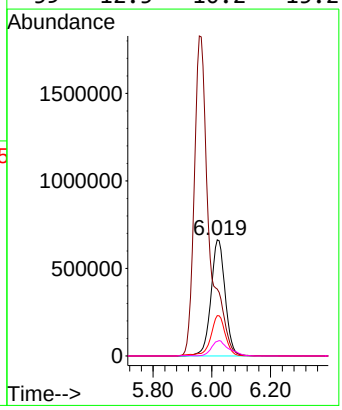
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

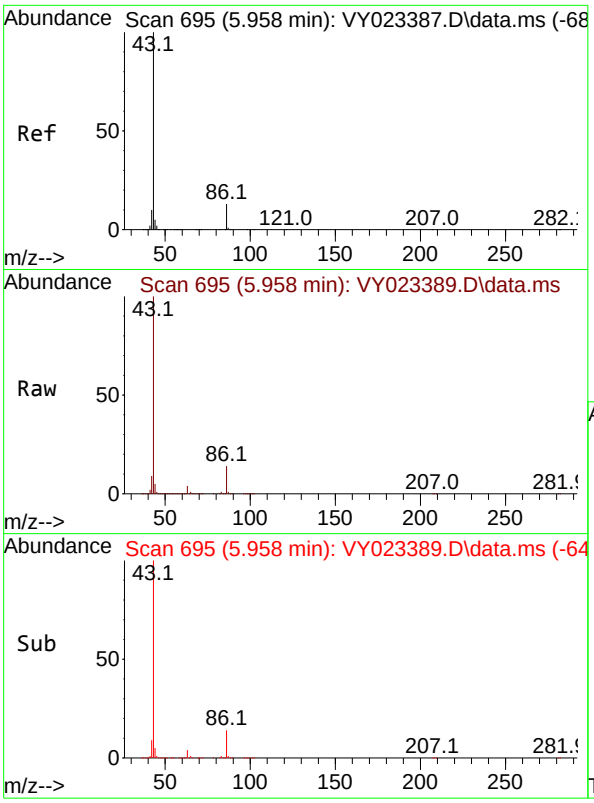


#22
Diisopropyl ether
Concen: 145.375 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 45 Resp: 2218430

Ion	Ratio	Lower	Upper
45	100		
43	57.6	45.6	68.4
87	34.7	28.1	42.1
59	12.5	10.2	15.2





#23
Vinyl Acetate
Concen: 760.246 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

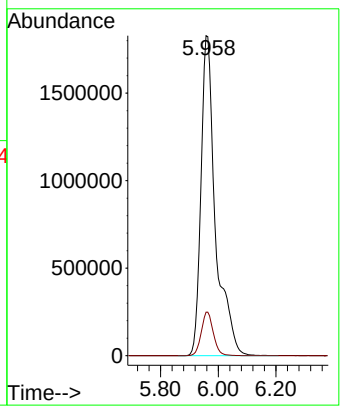
Tgt Ion: 43 Resp: 637704

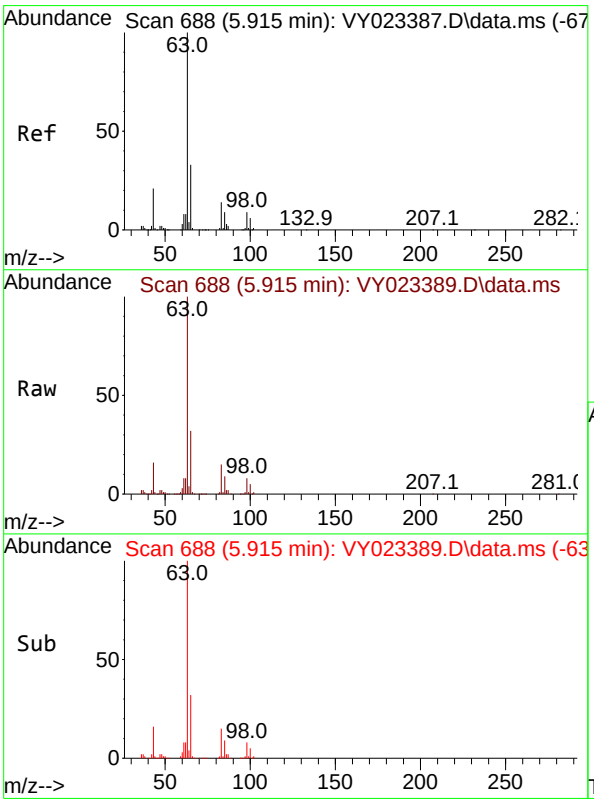
Ion	Ratio	Lower	Upper
43	100		
86	13.6	10.6	15.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

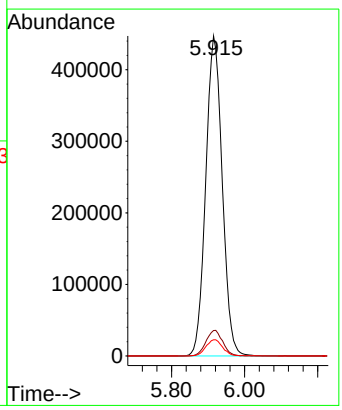


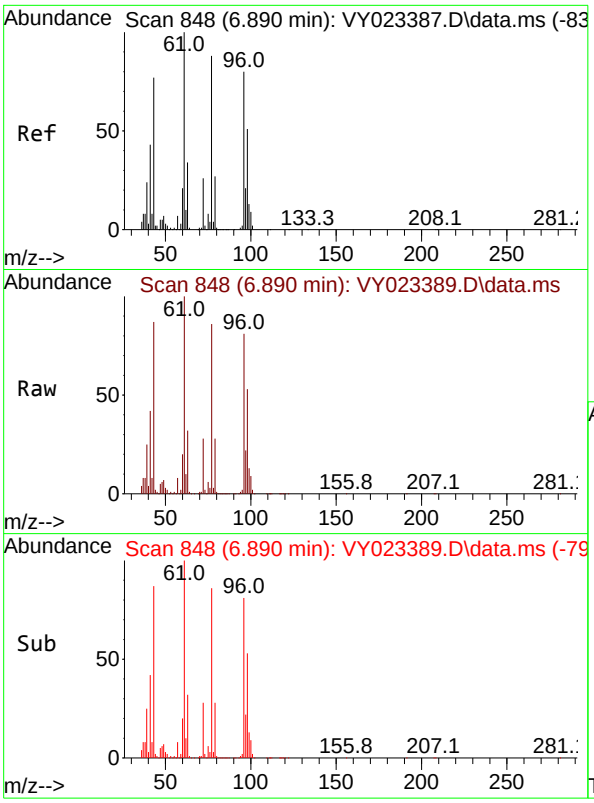


#24
1,1-Dichloroethane
Concen: 139.024 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 63 Resp: 1398477

Ion	Ratio	Lower	Upper
63	100		
98	8.0	4.3	13.1
100	5.0	2.8	8.4





#25
2-Butanone
Concen: 788.091 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

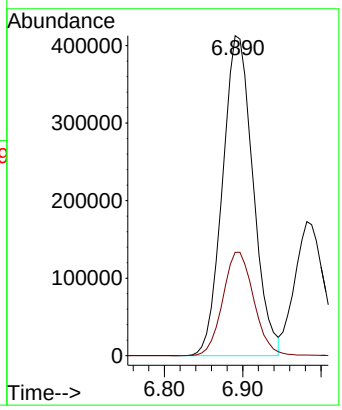
Tgt Ion: 43 Resp: 111634

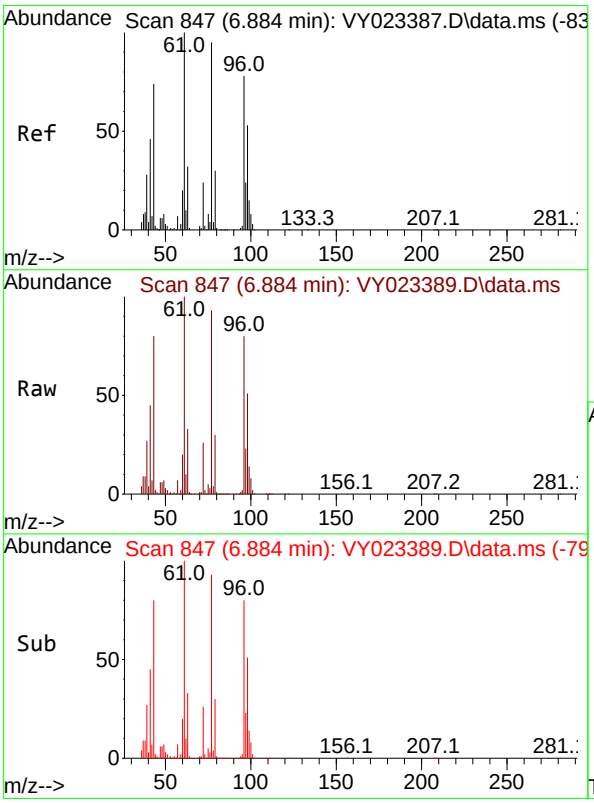
Ion	Ratio	Lower	Upper
43	100		
72	32.3	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

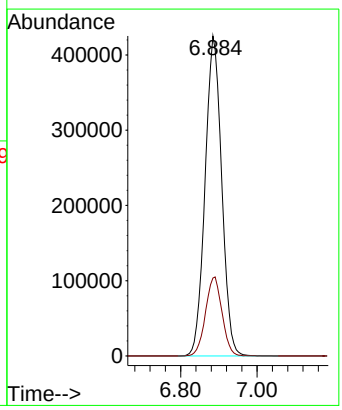


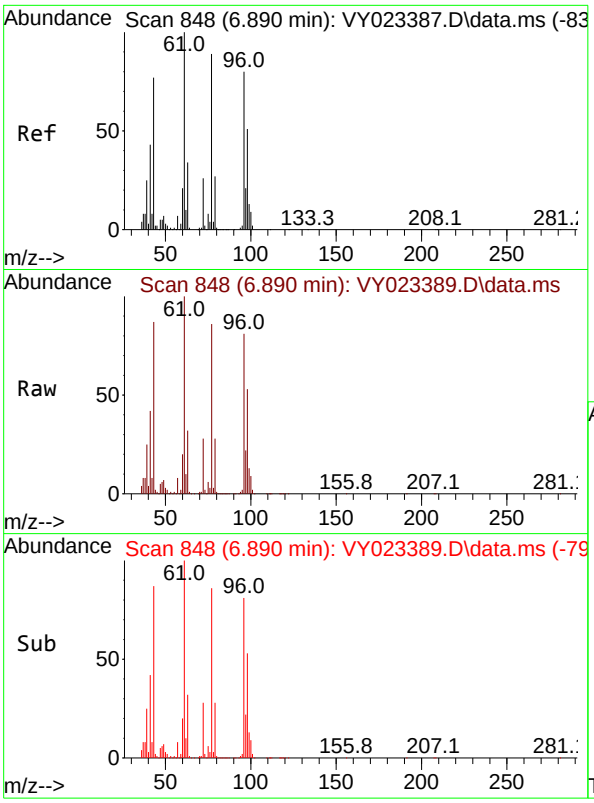


#26
2,2-Dichloropropane
Concen: 143.391 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 77 Resp: 1281633

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 150.505 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

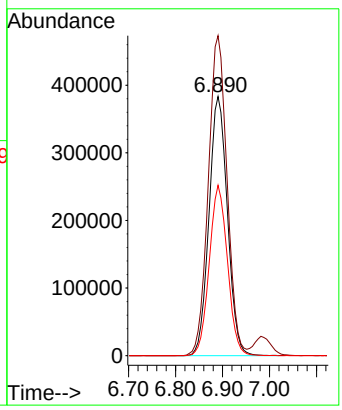
Tgt Ion: 96 Resp: 104357

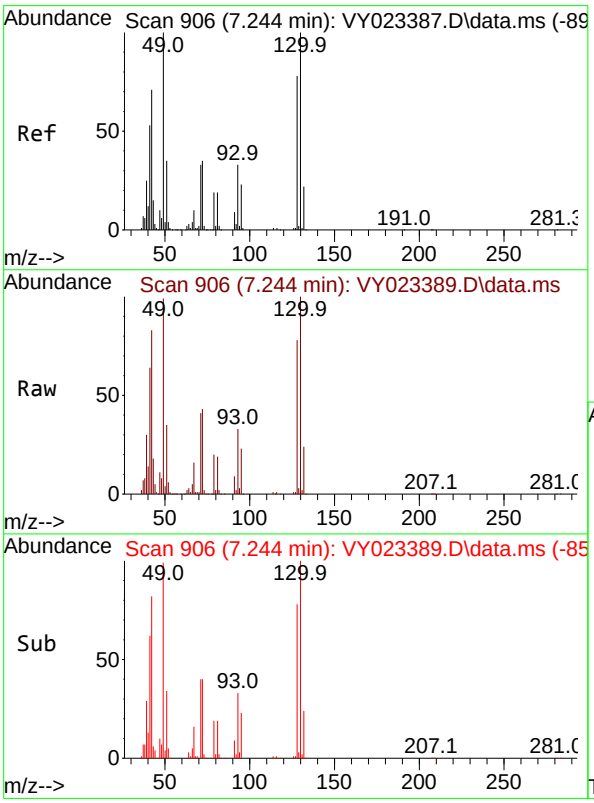
Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	258.2
98	65.0	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

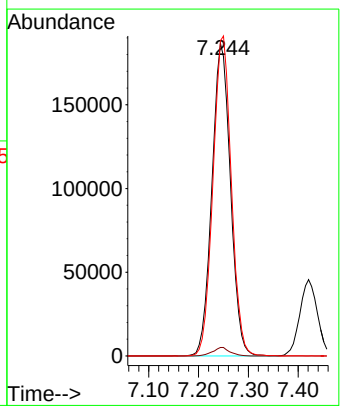


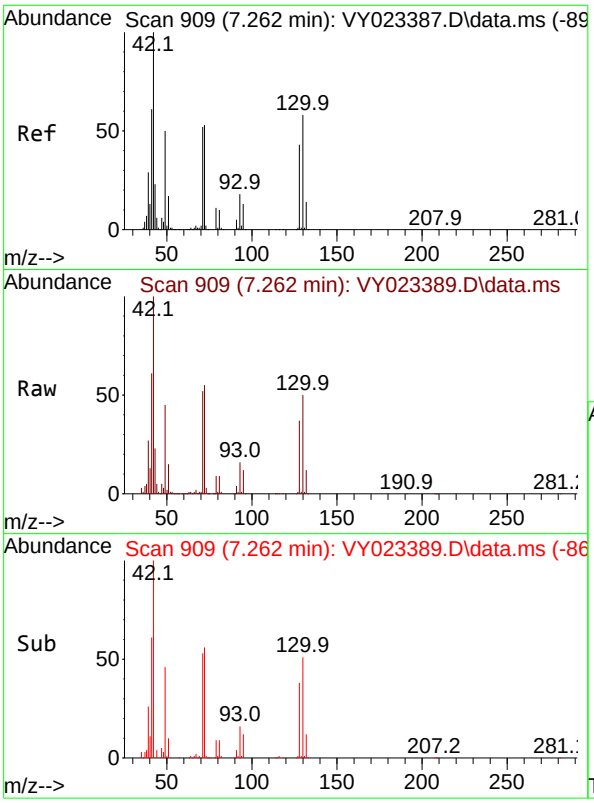


#28
Bromochloromethane
Concen: 123.567 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 49 Resp: 482210

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.6
130	101.2	81.9	122.9

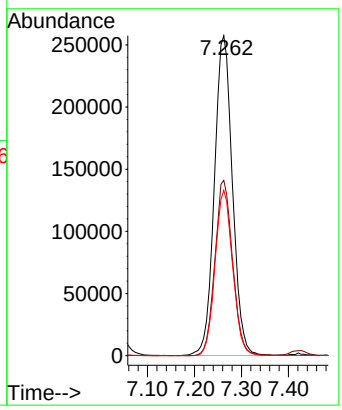




#29
Tetrahydrofuran
Concen: 817.972 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 42 Resp: 68771(

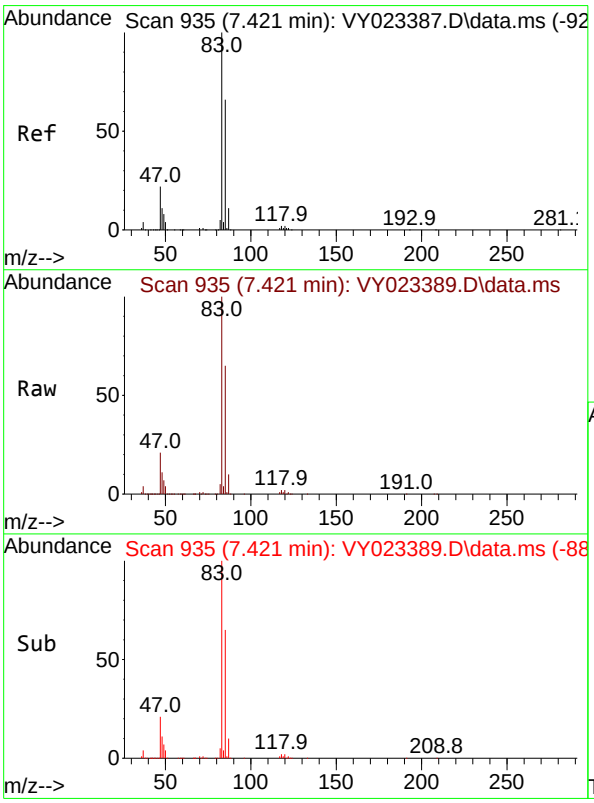
Ion	Ratio	Lower	Upper
42	100		
72	53.9	43.0	64.6
71	50.4	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

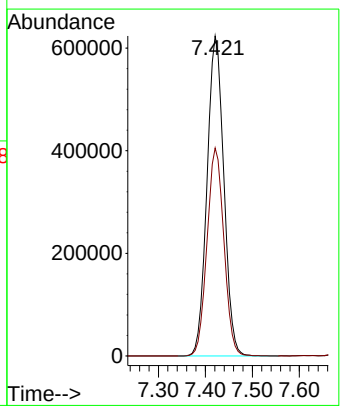
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

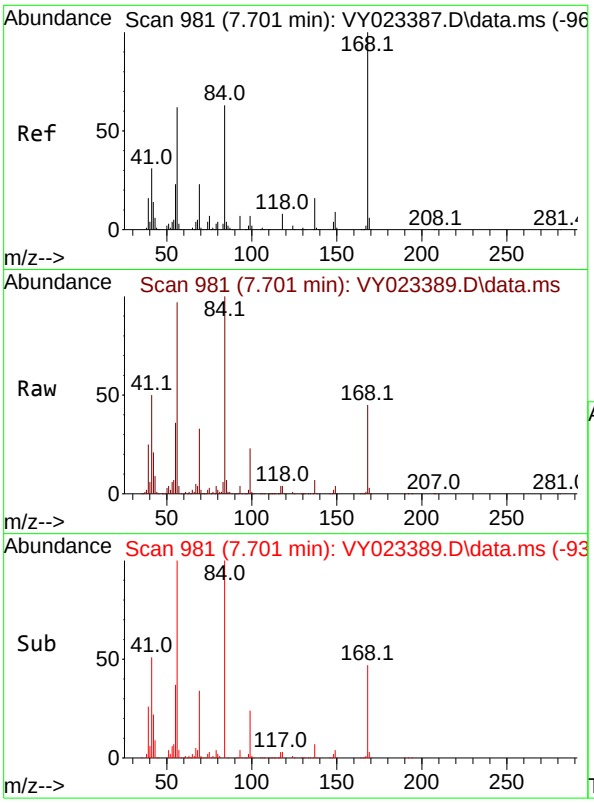


#30
Chloroform
Concen: 142.221 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 83 Resp: 1542715

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.5	78.7

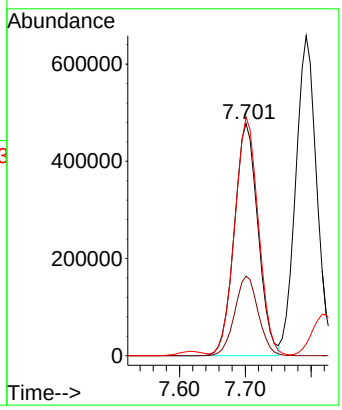




#31
Cyclohexane
Concen: 134.268 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 56 Resp: 119277

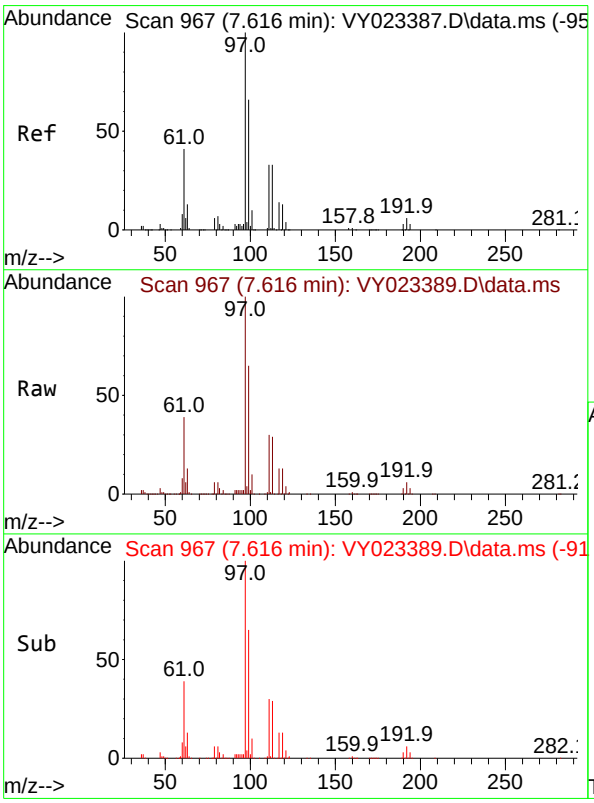
Ion	Ratio	Lower	Upper
56	100		
69	34.2	30.0	45.0
84	101.7	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

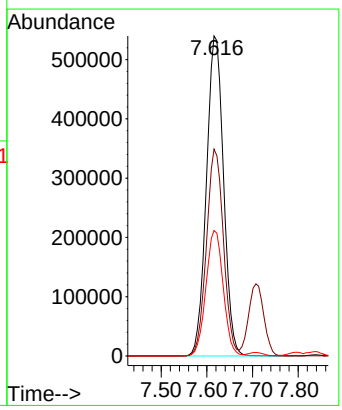
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

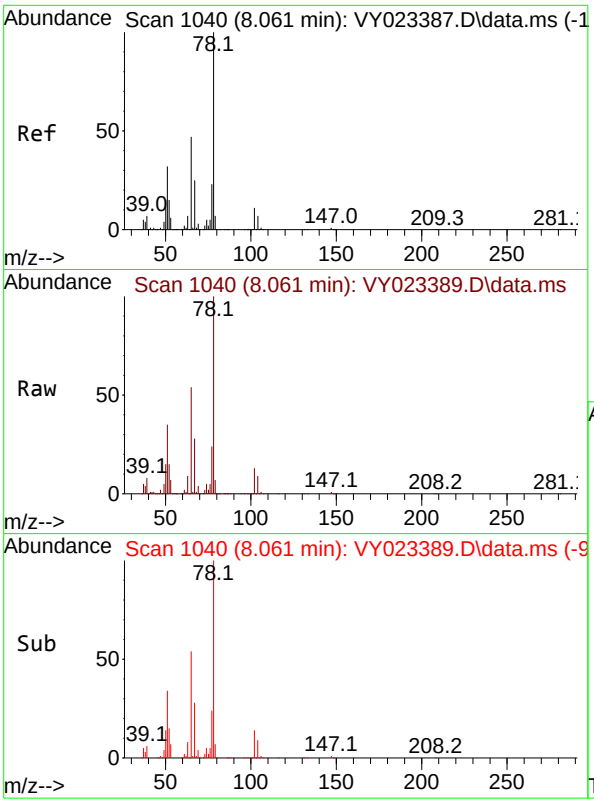


#32
1,1,1-Trichloroethane
Concen: 144.305 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 97 Resp: 1405131

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	39.5	31.9	47.9





#33
1,2-Dichloroethane-d4
Concen: 140.236 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

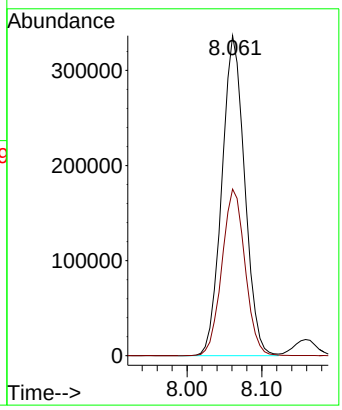
Tgt Ion: 65 Resp: 71473

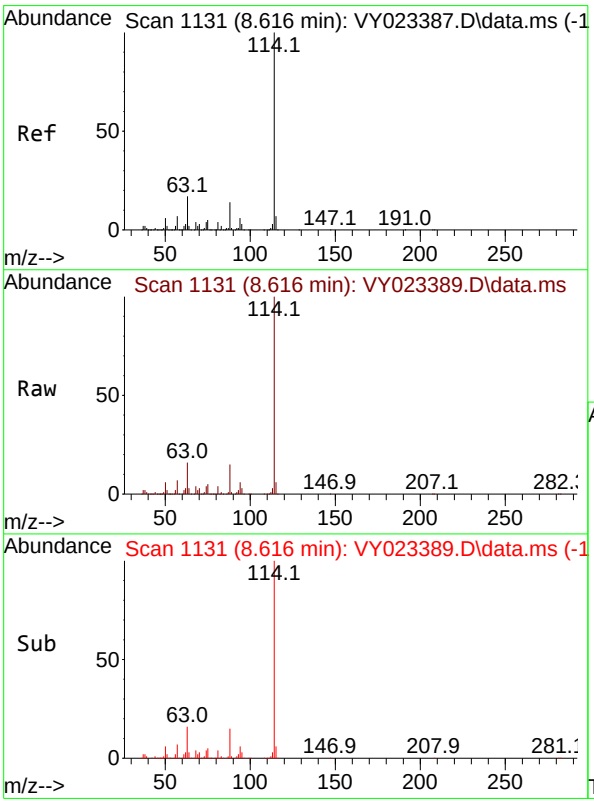
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

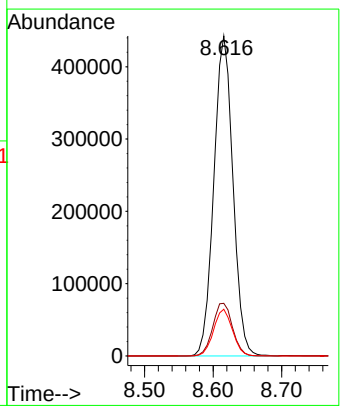


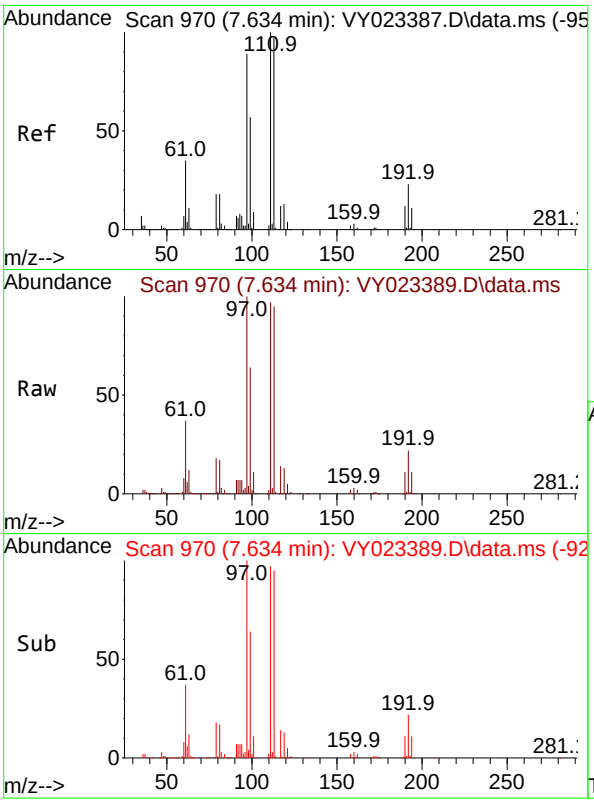


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:114 Resp: 855488

Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	34.2
88	14.6	0.0	28.4

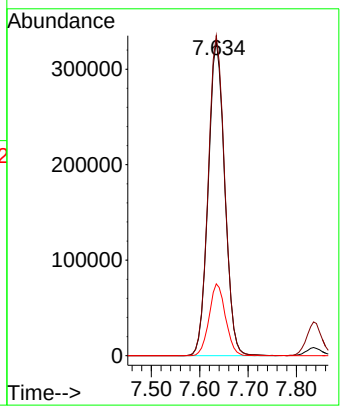




#35
Dibromofluoromethane
Concen: 149.977 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:113 Resp: 77863

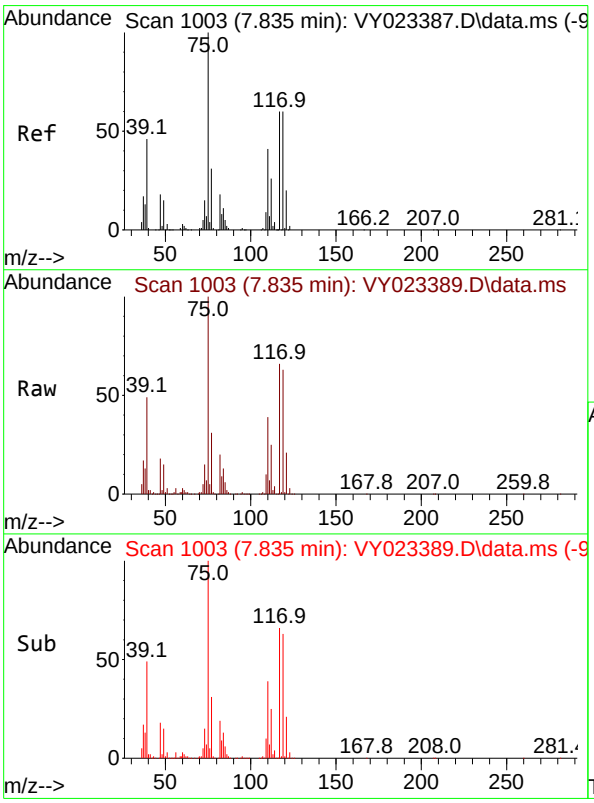
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	22.7	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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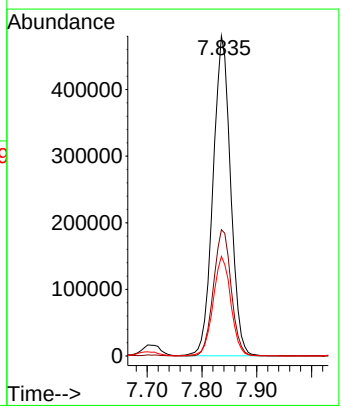
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

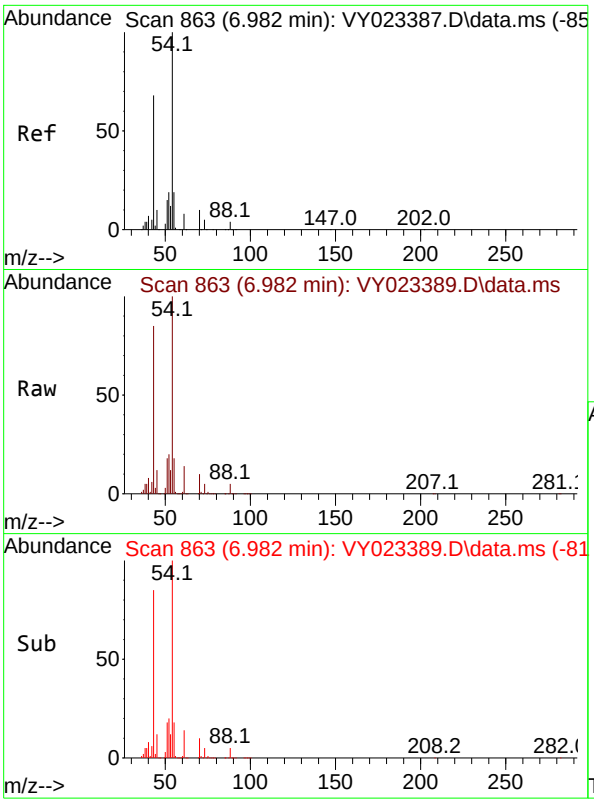


#36
1,1-Dichloropropene
Concen: 146.031 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 1069665

Ion	Ratio	Lower	Upper
75	100		
110	39.9	19.9	59.7
77	31.4	25.0	37.6





#37
Ethyl Acetate
Concen: 158.853 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

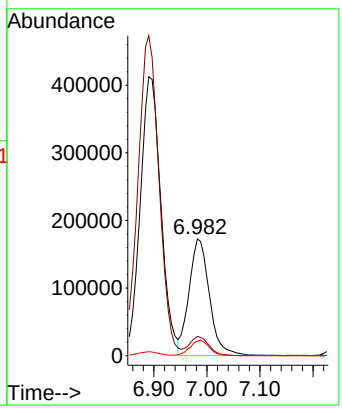
Tgt Ion: 43 Resp: 46002

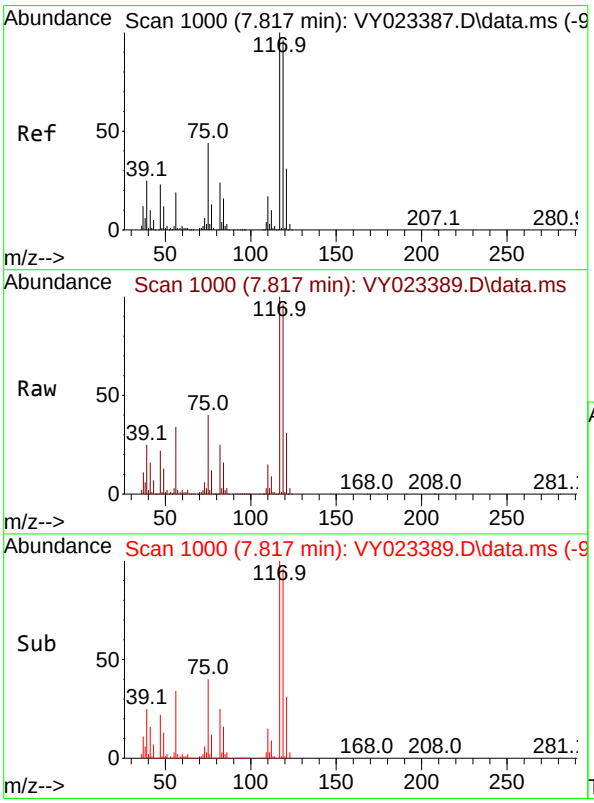
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.8
70	12.7	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

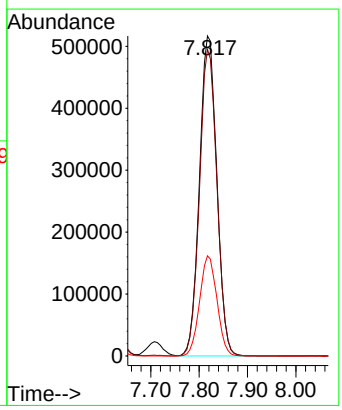


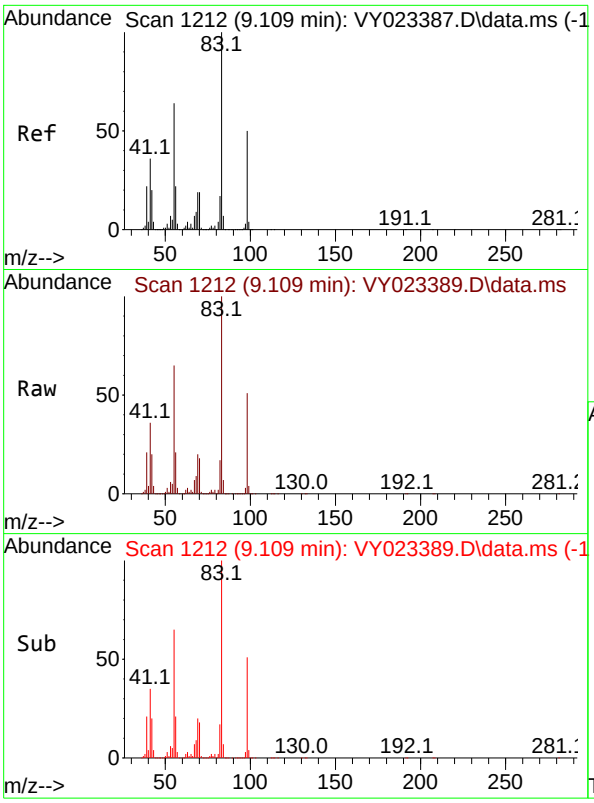


#38
Carbon Tetrachloride
Concen: 151.646 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:117 Resp: 1290353

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.8	115.2
121	31.3	24.5	36.7





#39
Methylcyclohexane
Concen: 159.580 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

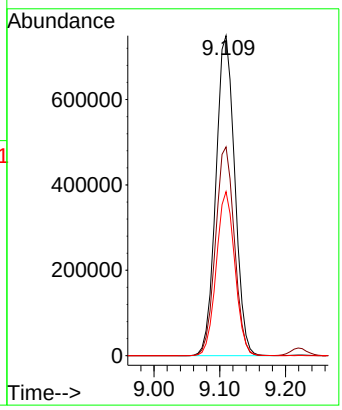
Tgt Ion: 83 Resp: 149661

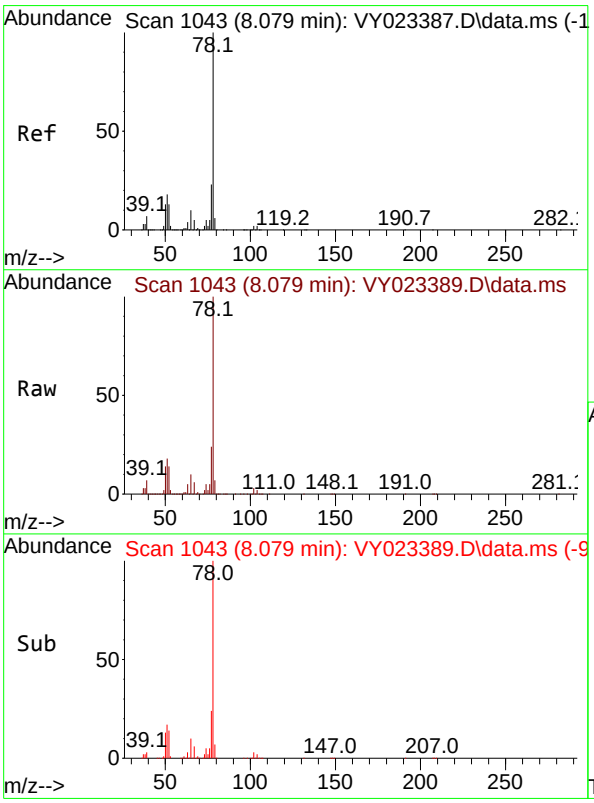
Ion	Ratio	Lower	Upper
83	100		
55	65.2	51.4	77.2
98	51.2	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

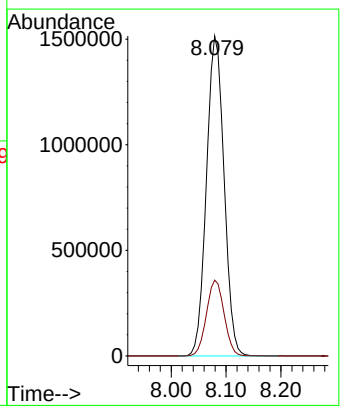


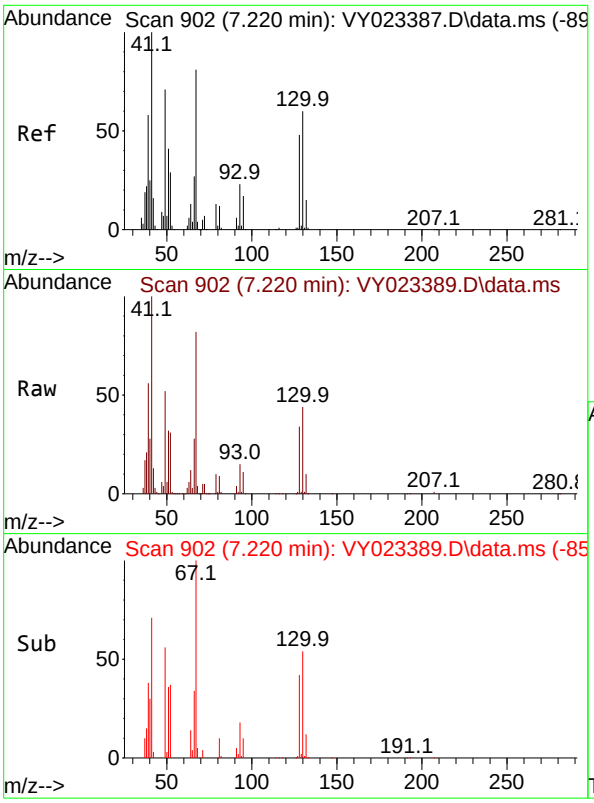


#40
Benzene
Concen: 147.442 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 78 Resp: 3366812

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5

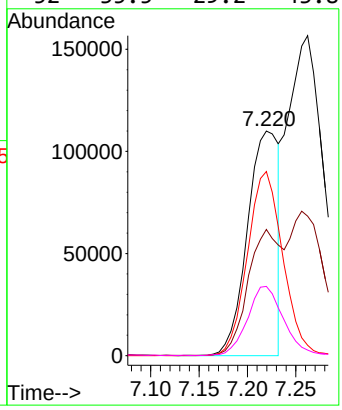




#41
Methacrylonitrile
Concen: 164.212 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 41 Resp: 24697

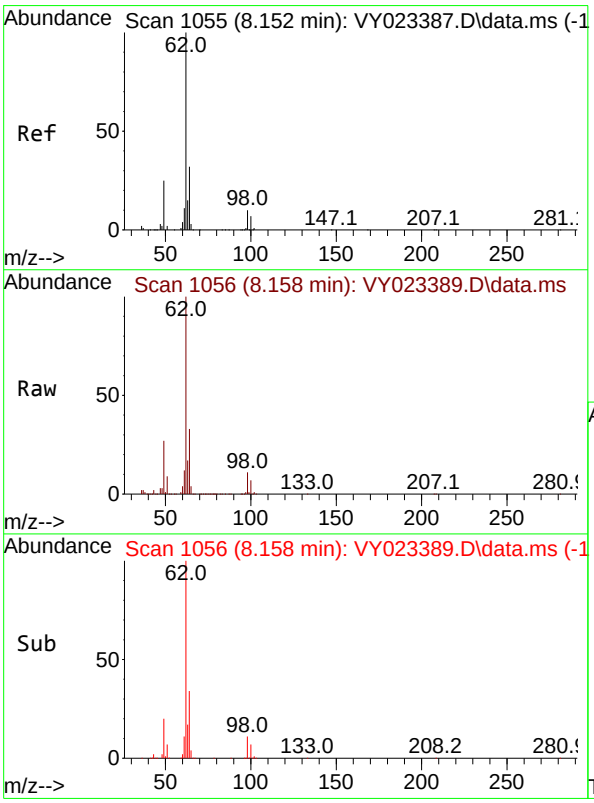
Ion	Ratio	Lower	Upper
41	100		
39	61.7	52.2	78.4
67	93.3	74.9	112.3
52	35.5	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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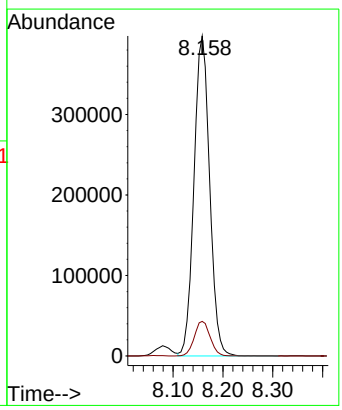
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

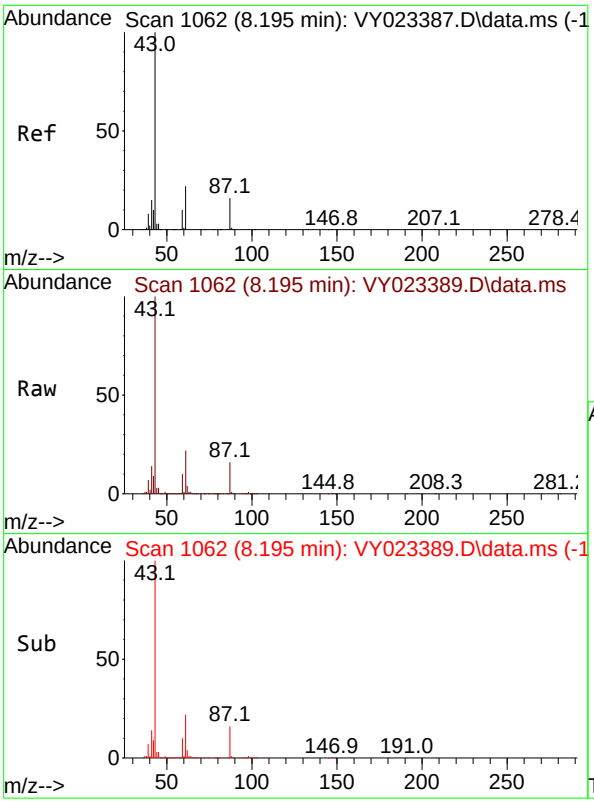


#42
1,2-Dichloroethane
Concen: 149.063 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 62 Resp: 866250

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.6





#43
Isopropyl Acetate
Concen: 167.955 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

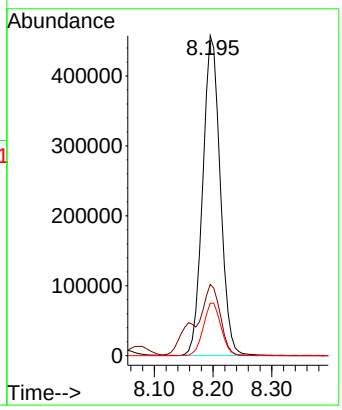
Tgt Ion: 43 Resp: 94608

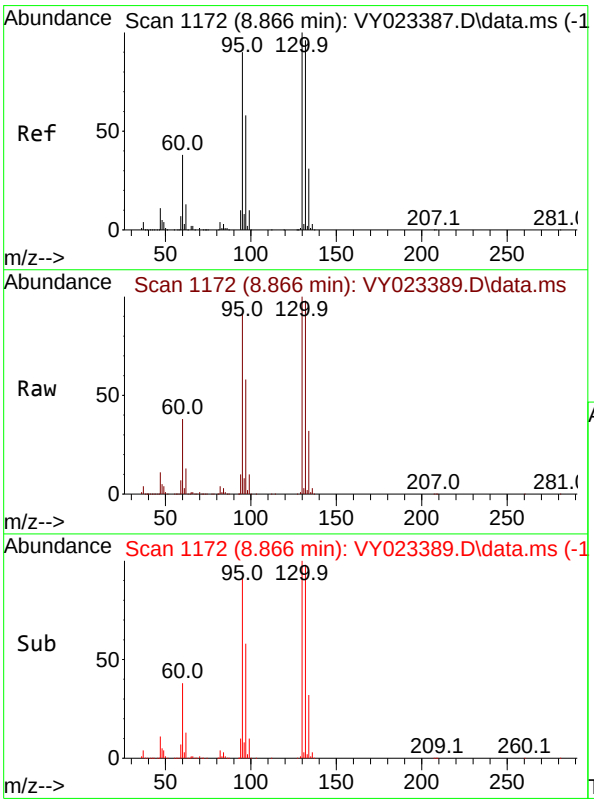
Ion	Ratio	Lower	Upper
43	100		
61	22.6	18.1	27.1
87	16.7	13.5	20.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

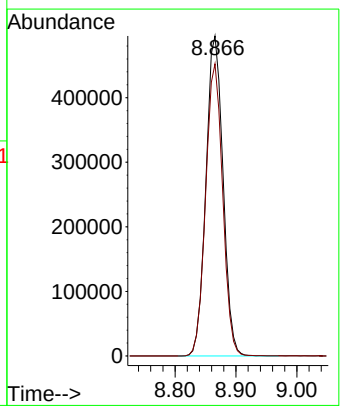


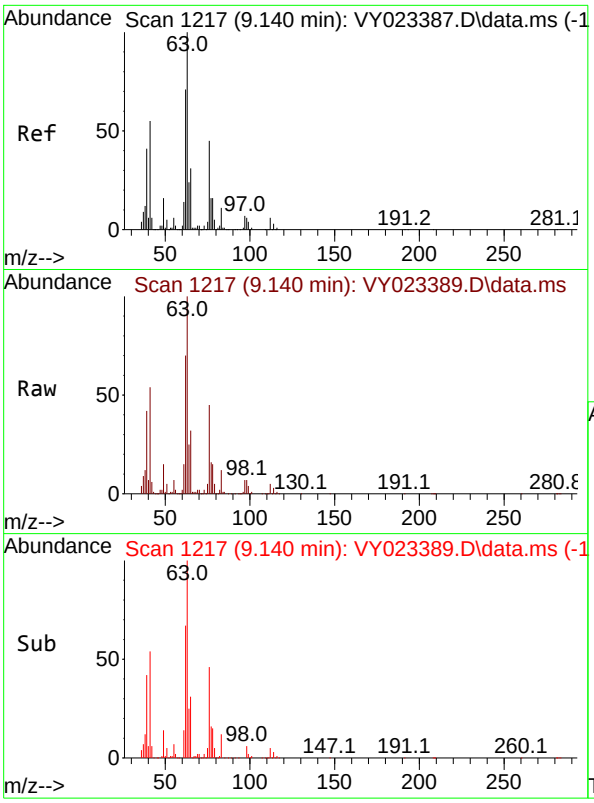


#44
Trichloroethene
Concen: 150.740 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:130 Resp: 966011

Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	180.6

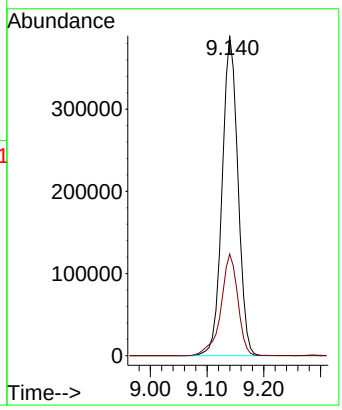




#45
1,2-Dichloropropane
Concen: 146.403 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 63 Resp: 75228

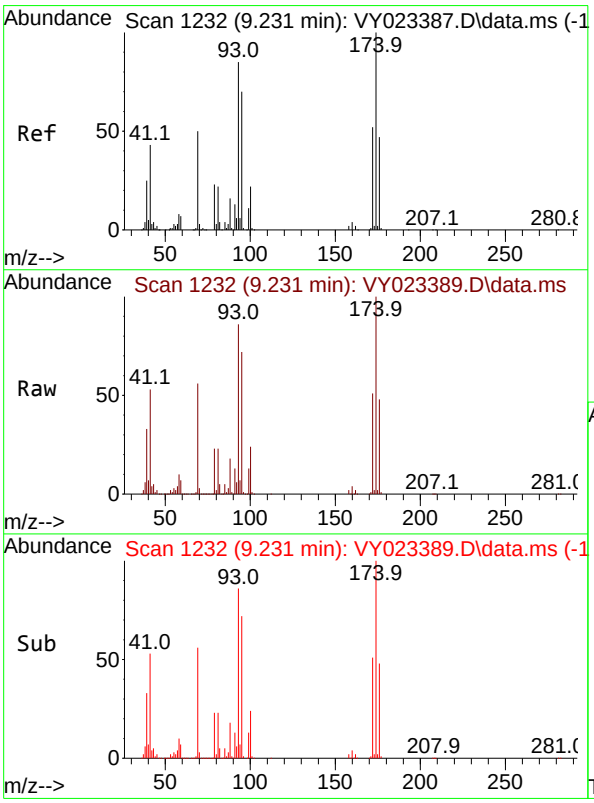
Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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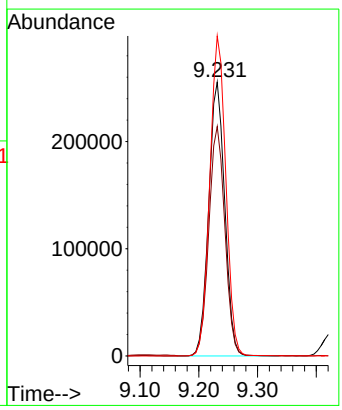
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

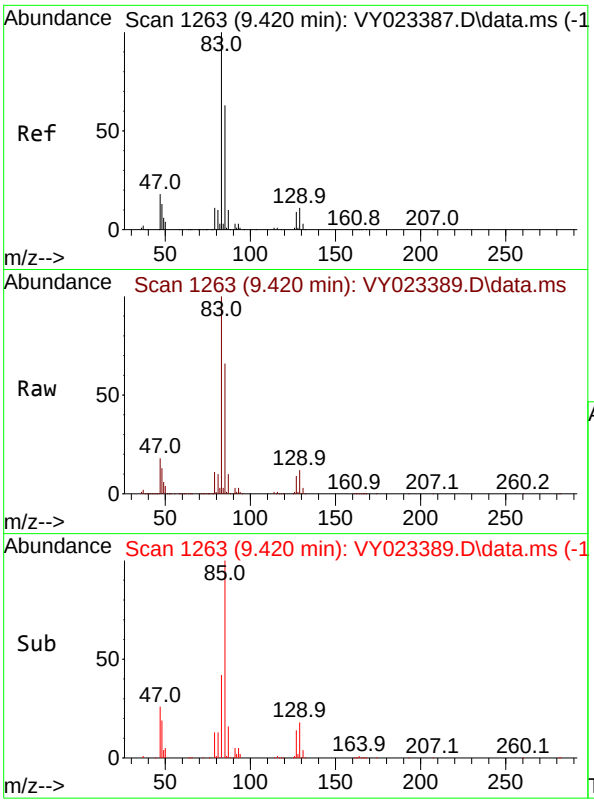


#46
Dibromomethane
Concen: 153.895 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 93 Resp: 483702

Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.4	98.0
174	116.7	92.9	139.3

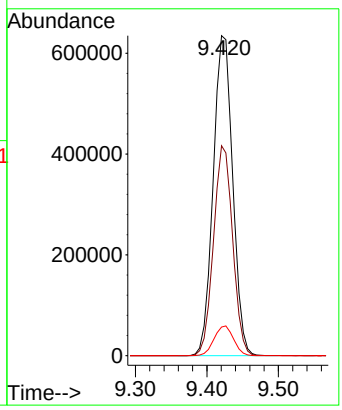




#47
Bromodichloromethane
Concen: 151.965 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 83 Resp: 120224

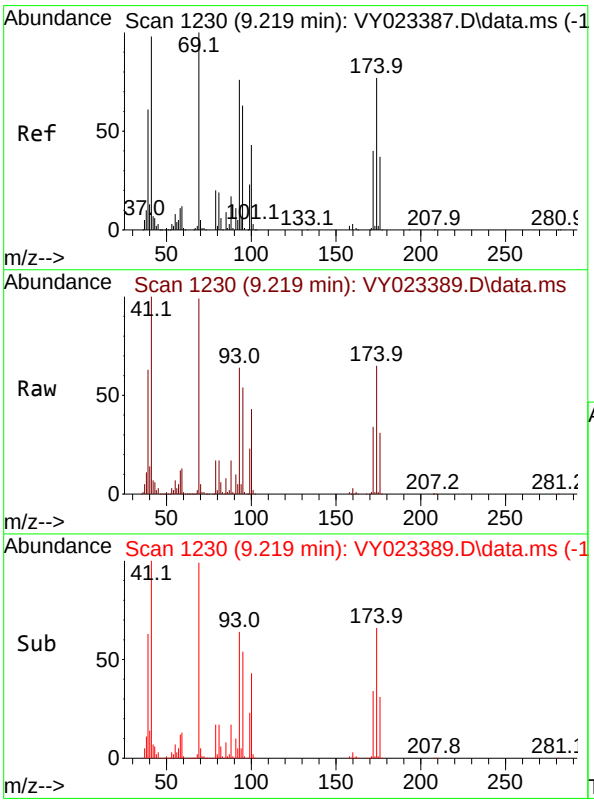
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.8	76.2
127	9.0	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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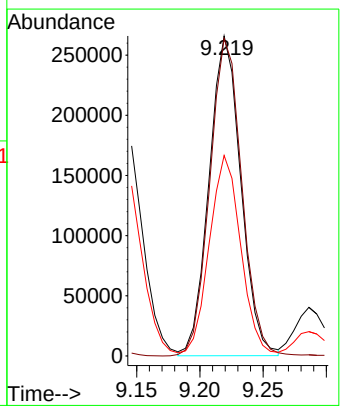
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

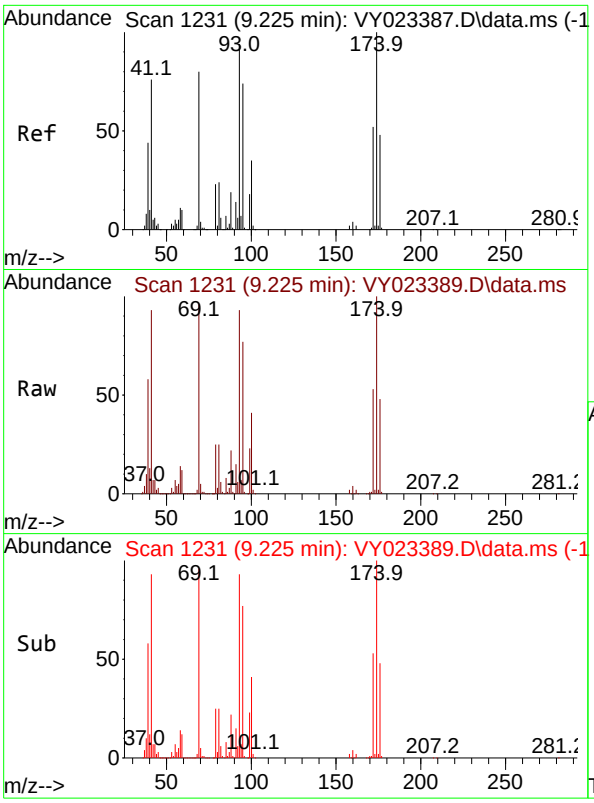


#48
Methyl methacrylate
Concen: 176.368 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 41 Resp: 463614

Ion	Ratio	Lower	Upper
41	100		
69	100.4	81.0	121.4
39	60.3	48.2	72.4





#49
1,4-Dioxane
Concen: 3809.726 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

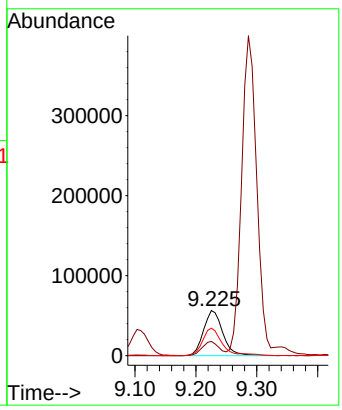
Tgt Ion: 88 Resp: 12399

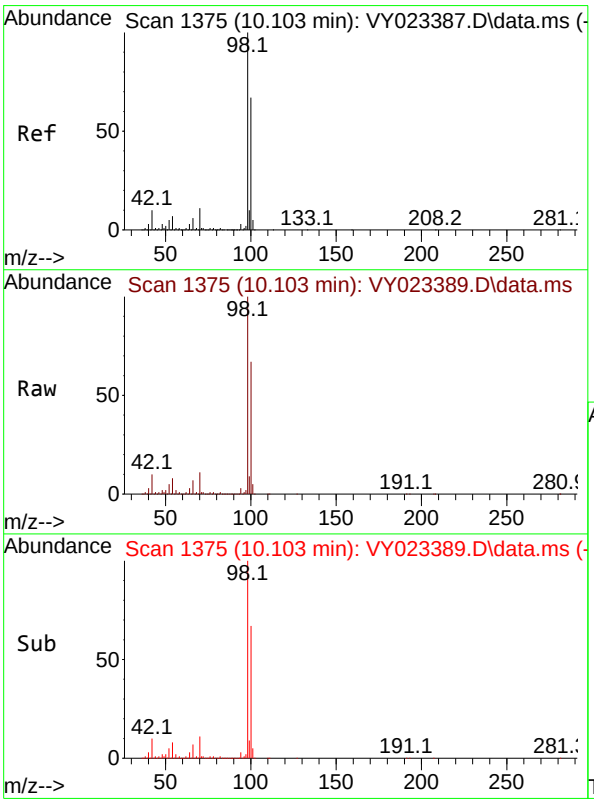
Ion	Ratio	Lower	Upper
88	100		
43	27.5	21.8	32.8
58	62.1	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

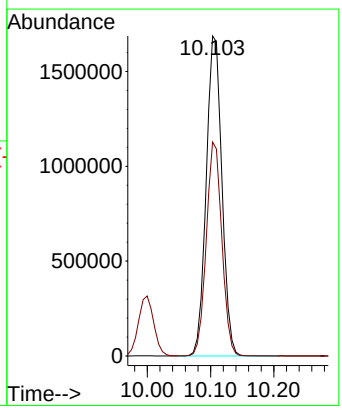


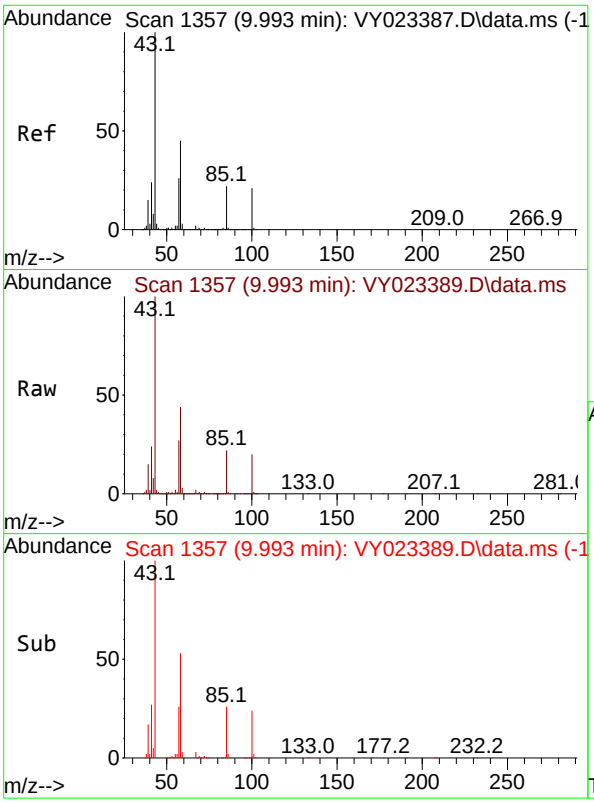


#50
Toluene-d8
Concen: 148.741 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 98 Resp: 2912319

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 872.045 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

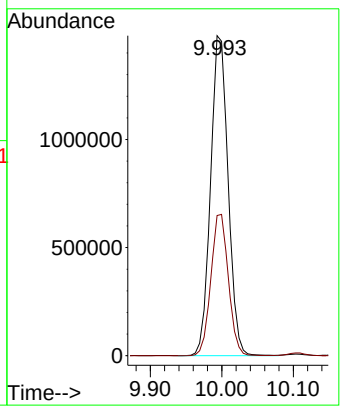
Tgt Ion: 43 Resp: 251610

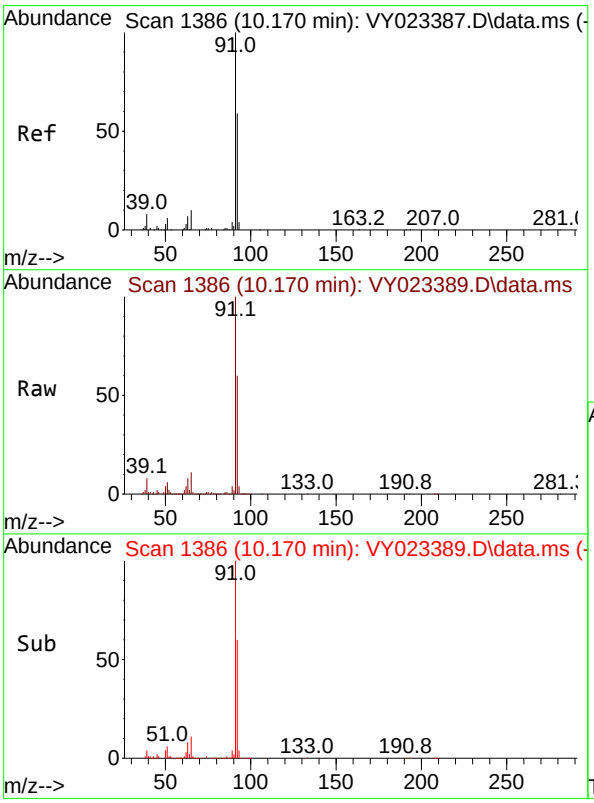
Ion	Ratio	Lower	Upper
43	100		
58	44.1	35.3	52.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

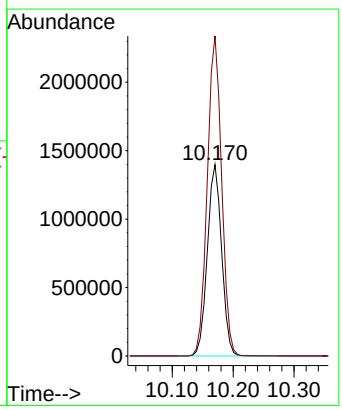


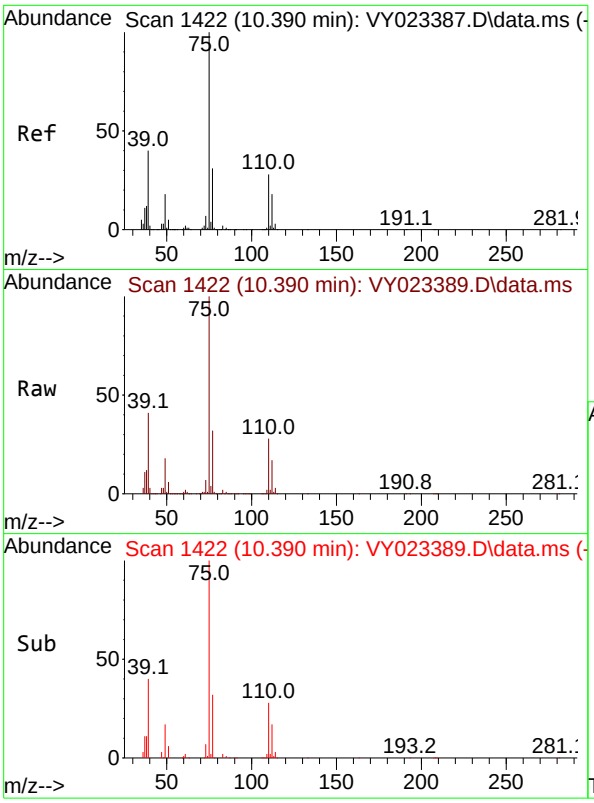


#52
Toluene
Concen: 156.786 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 92 Resp: 2272574

Ion	Ratio	Lower	Upper
92	100		
91	168.3	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 165.367 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

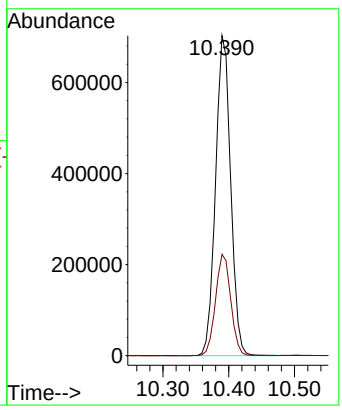
Tgt Ion: 75 Resp: 112364

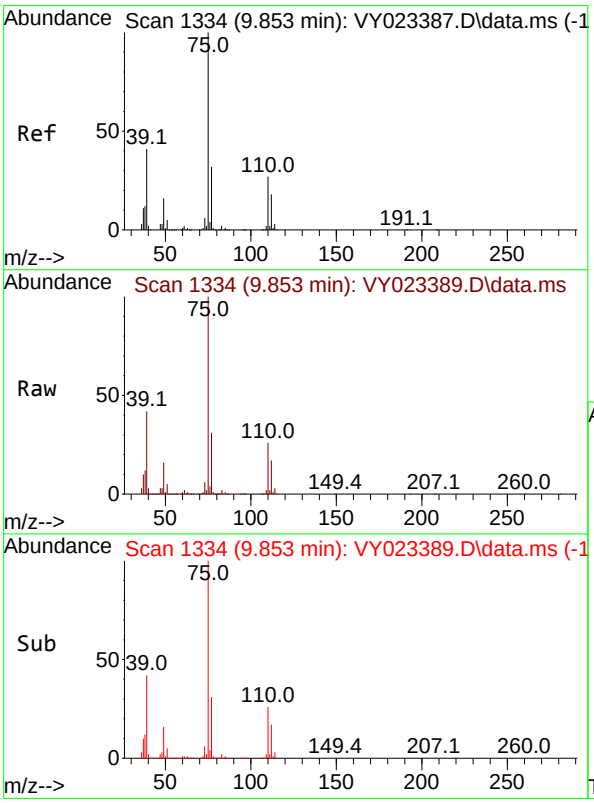
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

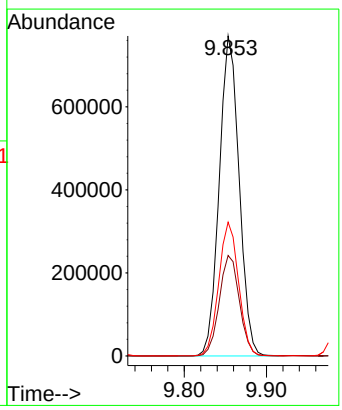


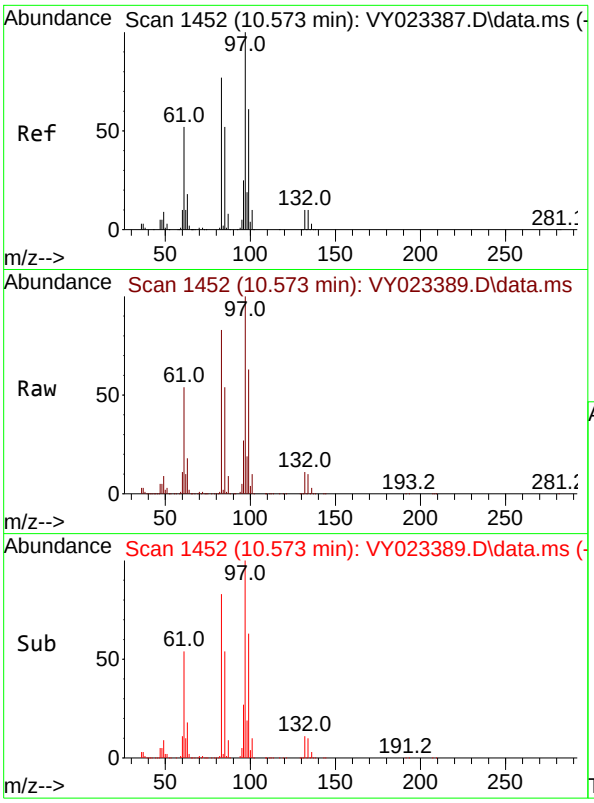


#54
cis-1,3-Dichloropropene
Concen: 159.654 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 1296713

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	41.7	32.8	49.2

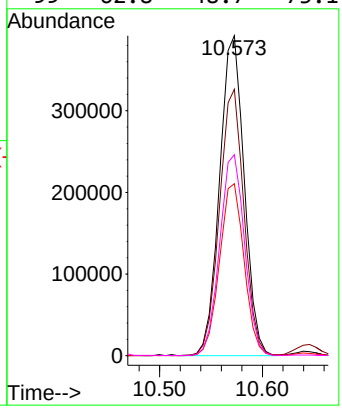




#55
1,1,2-Trichloroethane
Concen: 156.020 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 97 Resp: 65224

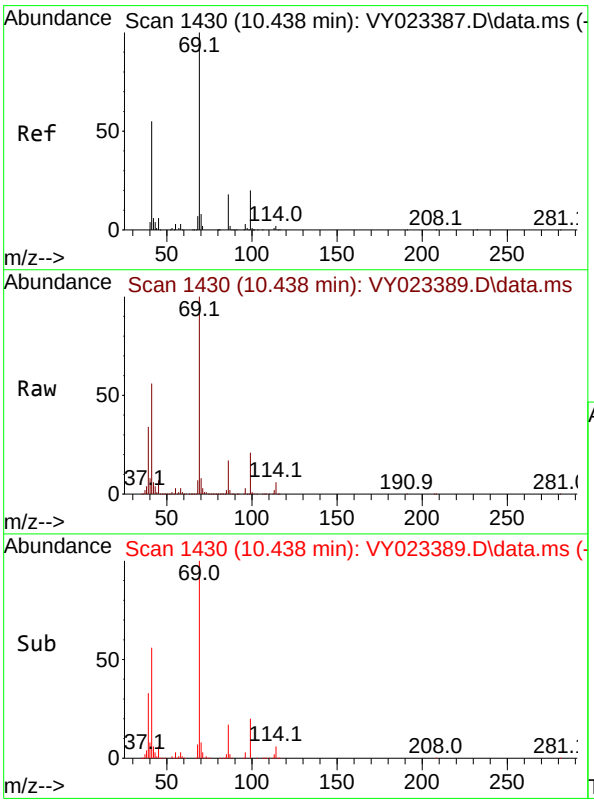
Ion	Ratio	Lower	Upper
97	100		
83	83.2	61.8	92.6
85	53.7	41.3	61.9
99	62.8	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

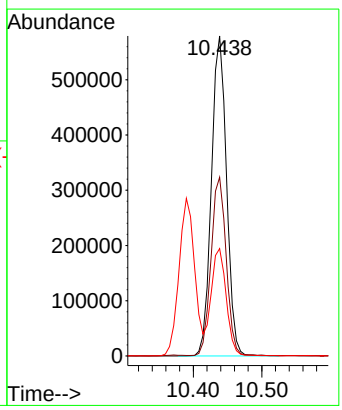
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

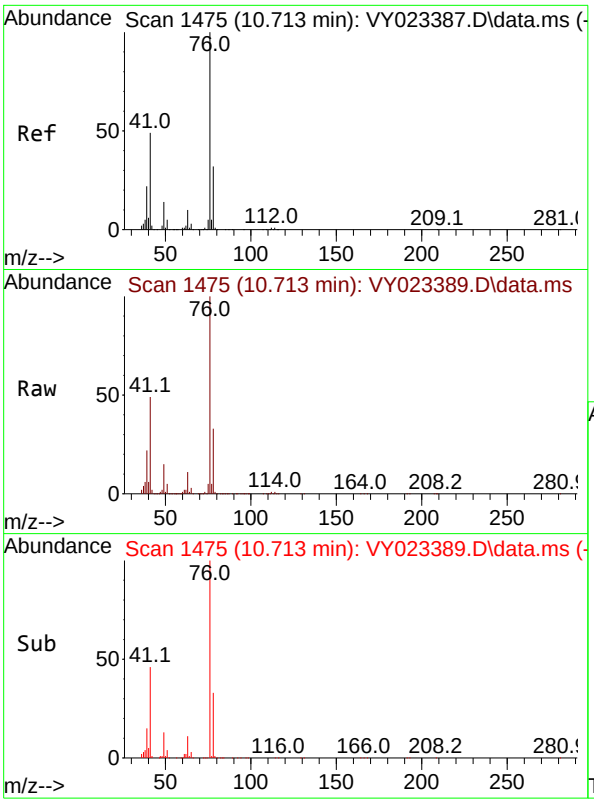


#56
Ethyl methacrylate
Concen: 184.048 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 69 Resp: 886127

Ion	Ratio	Lower	Upper
69	100		
41	56.0	44.6	67.0
39	33.6	27.0	40.4

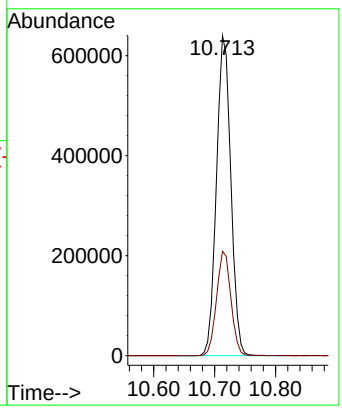




#57
1,3-Dichloropropane
Concen: 155.122 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 76 Resp: 104959

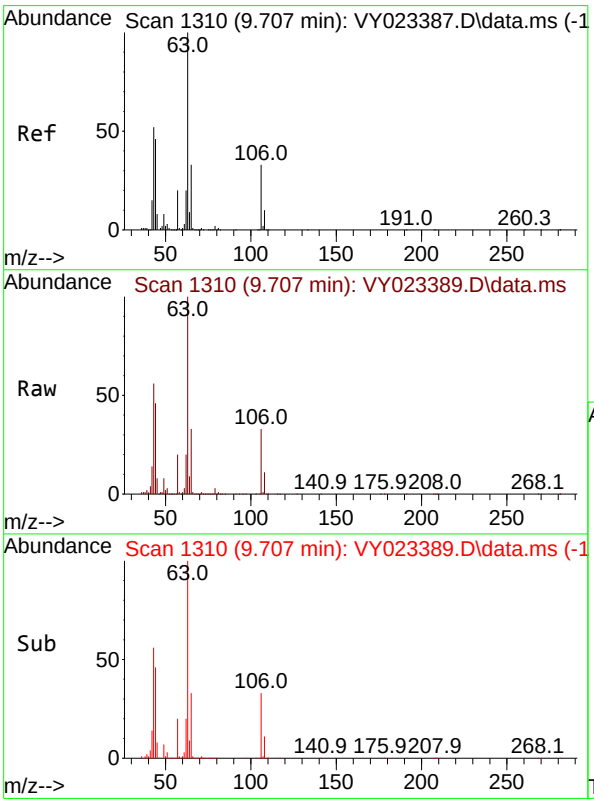
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

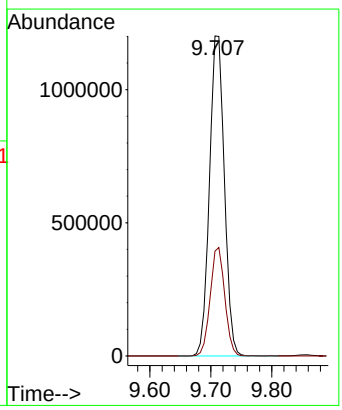
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

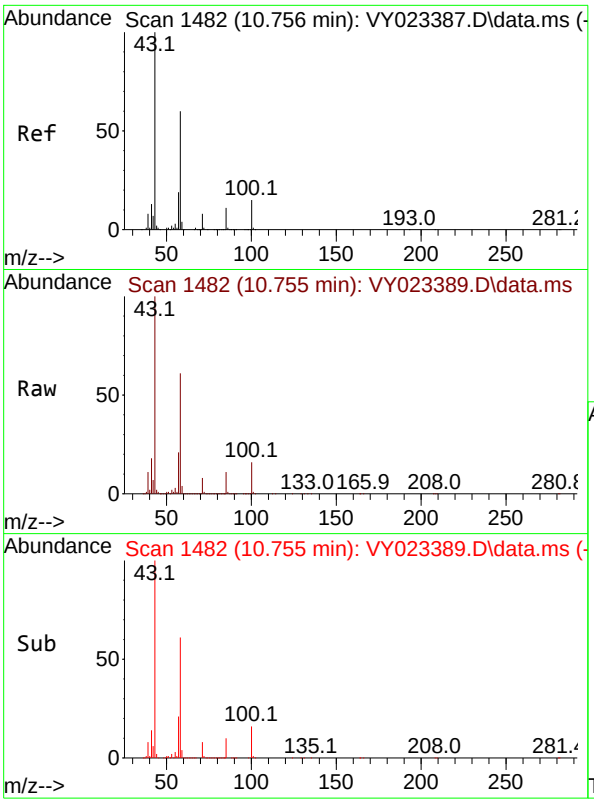


#58
2-Chloroethyl Vinyl ether
Concen: 968.559 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 63 Resp: 2040136

Ion	Ratio	Lower	Upper
63	100		
106	33.2	26.6	39.8





#59
2-Hexanone
Concen: 889.038 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

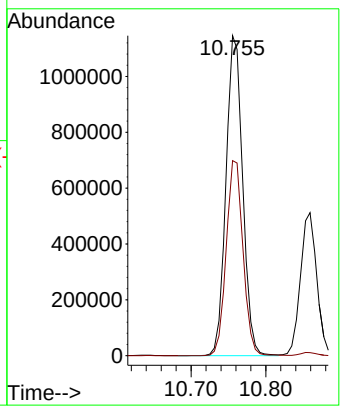
Tgt Ion: 43 Resp: 177603

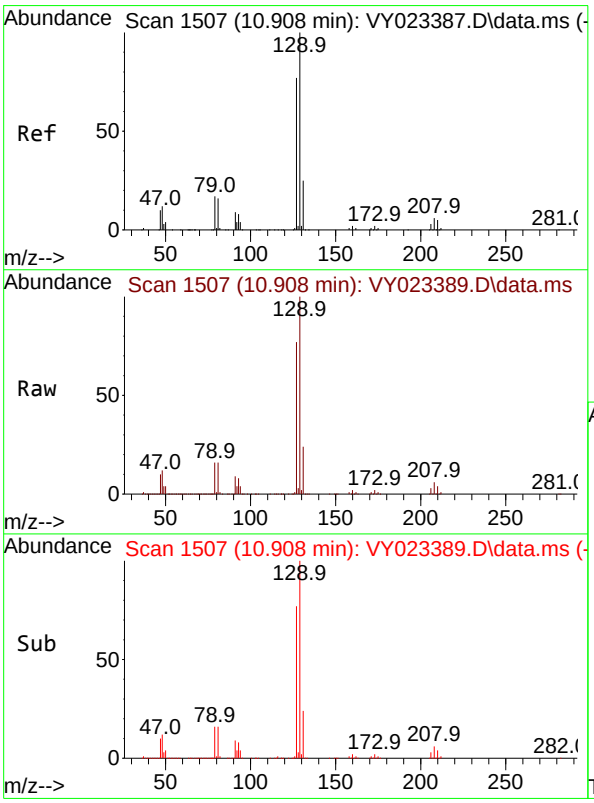
Ion	Ratio	Lower	Upper
43	100		
58	61.4	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

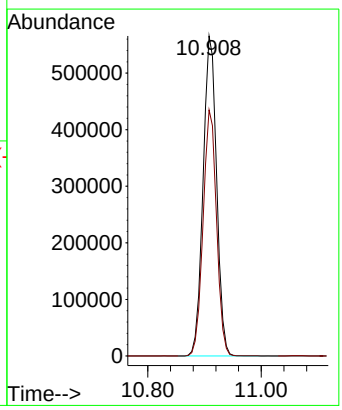


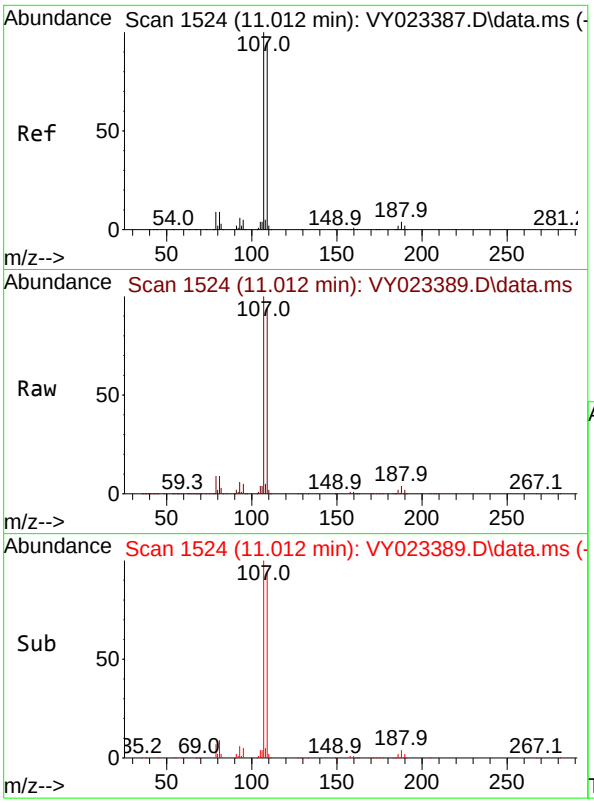


#60
Dibromochloromethane
Concen: 164.084 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:129 Resp: 935577

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	115.7

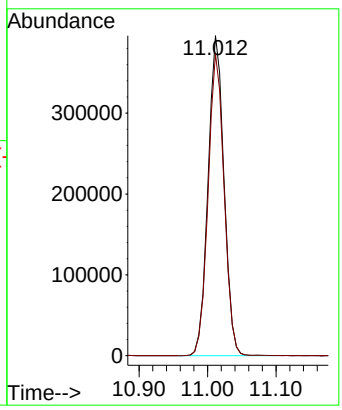




#61
1,2-Dibromoethane
Concen: 162.699 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:107 Resp: 63989

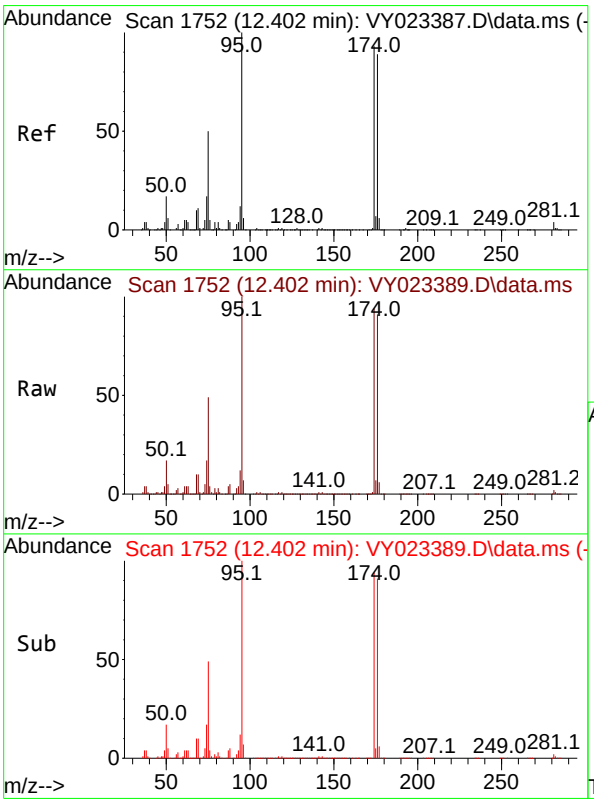
Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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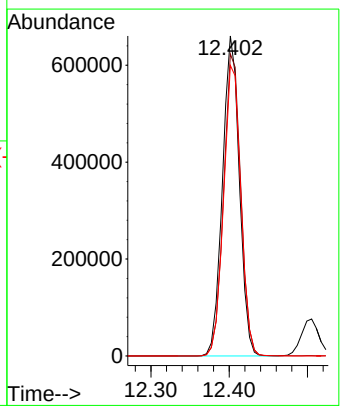
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

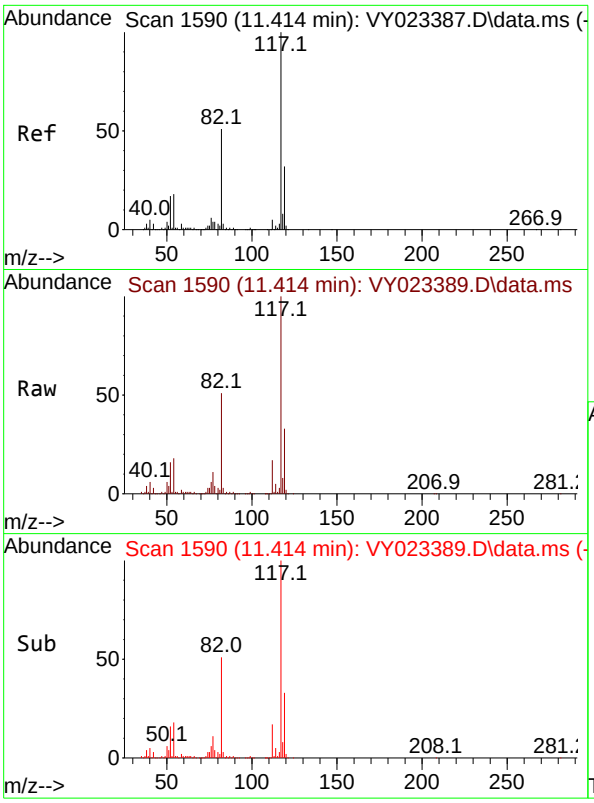


#62
4-Bromofluorobenzene
Concen: 160.423 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 95 Resp: 990964

Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	192.8
176	92.8	0.0	187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

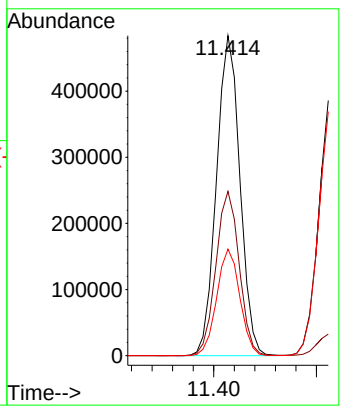
Tgt Ion:117 Resp: 765351

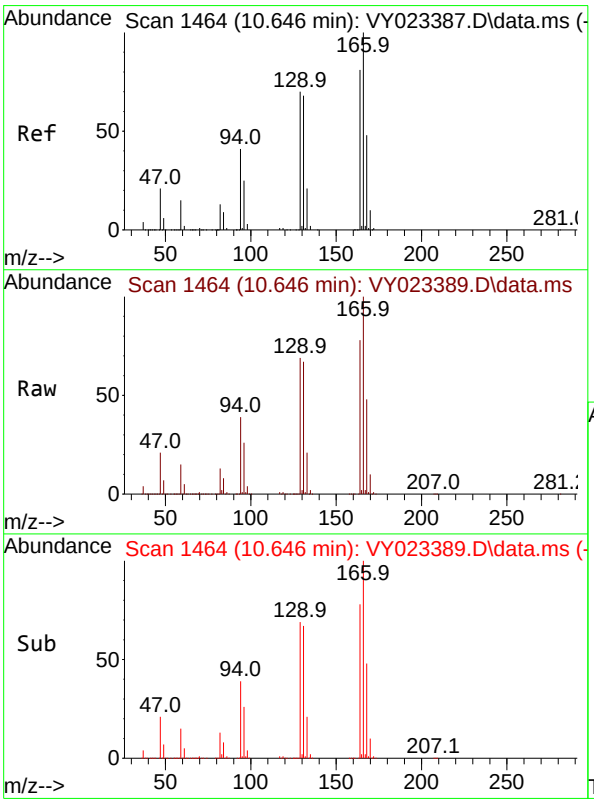
Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.0	61.4
119	33.3	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

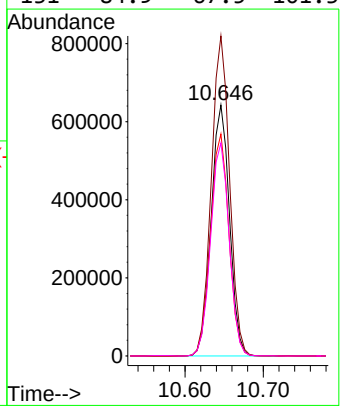


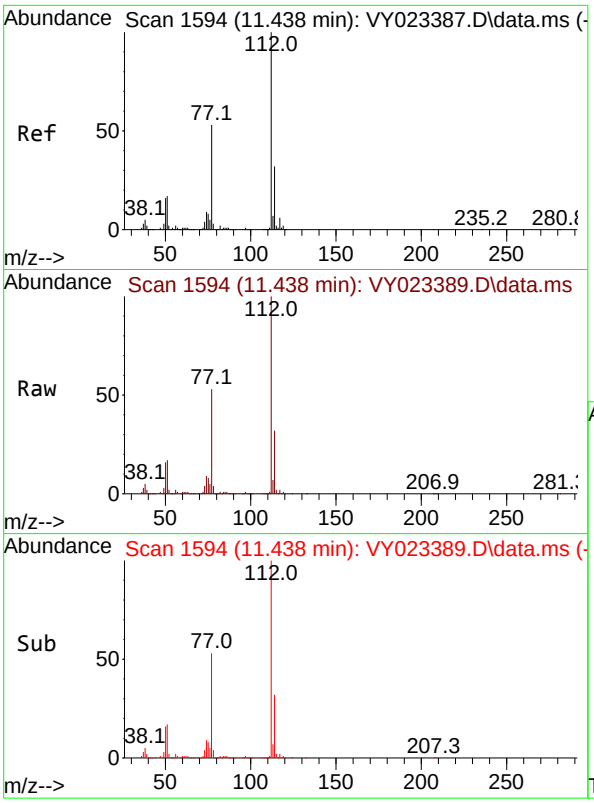


#64
Tetrachloroethene
Concen: 136.739 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:164 Resp: 1046931

Ion	Ratio	Lower	Upper
164	100		
166	127.5	99.4	149.0
129	88.4	69.4	104.2
131	84.9	67.5	101.3

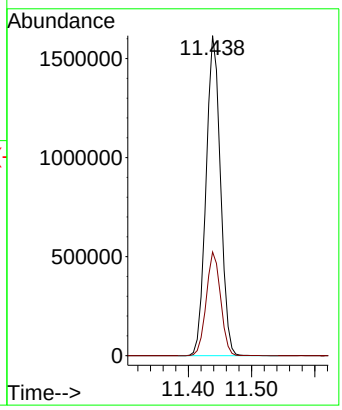




#65
Chlorobenzene
Concen: 154.117 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:112 Resp: 256317

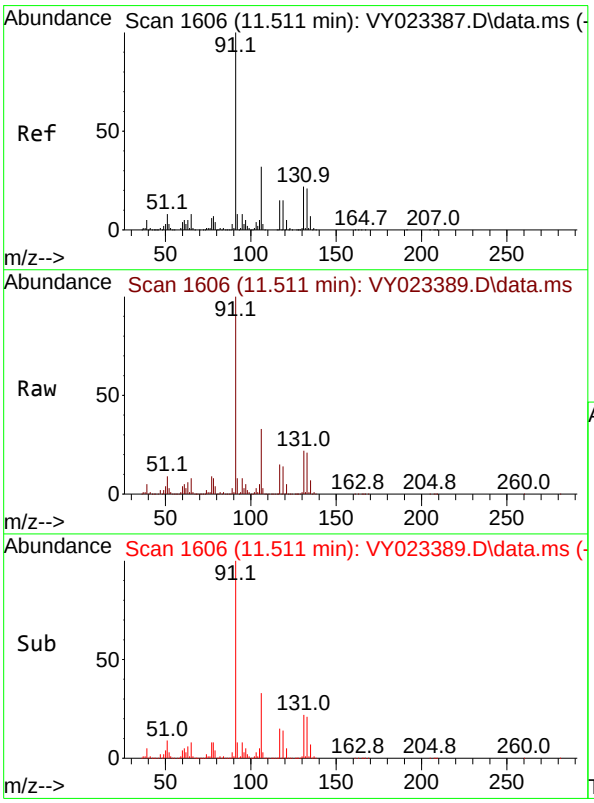
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

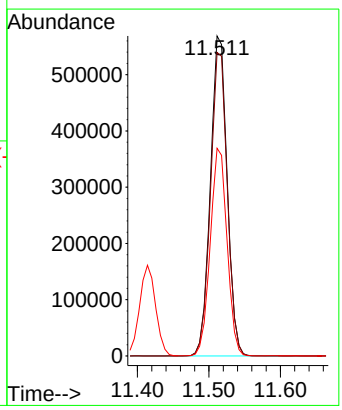
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

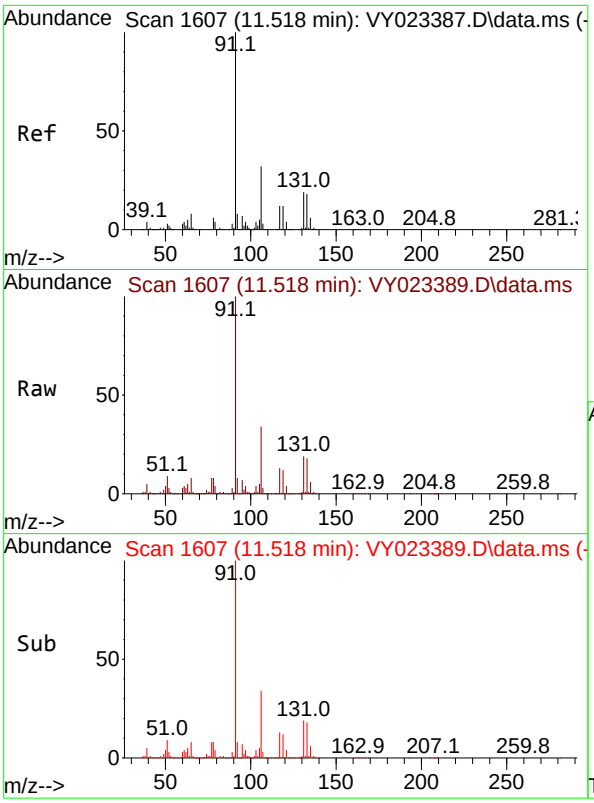


#66
1,1,1,2-Tetrachloroethane
Concen: 157.870 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:131 Resp: 923367

Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.4	145.2
119	65.2	32.4	97.2





#67
Ethyl Benzene
Concen: 159.957 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

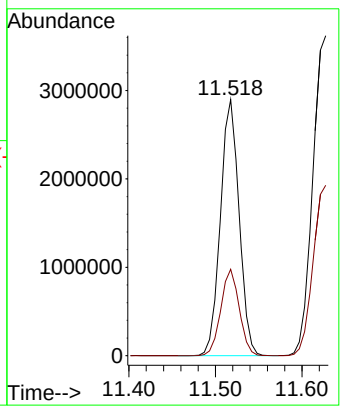
Tgt Ion: 91 Resp: 434180

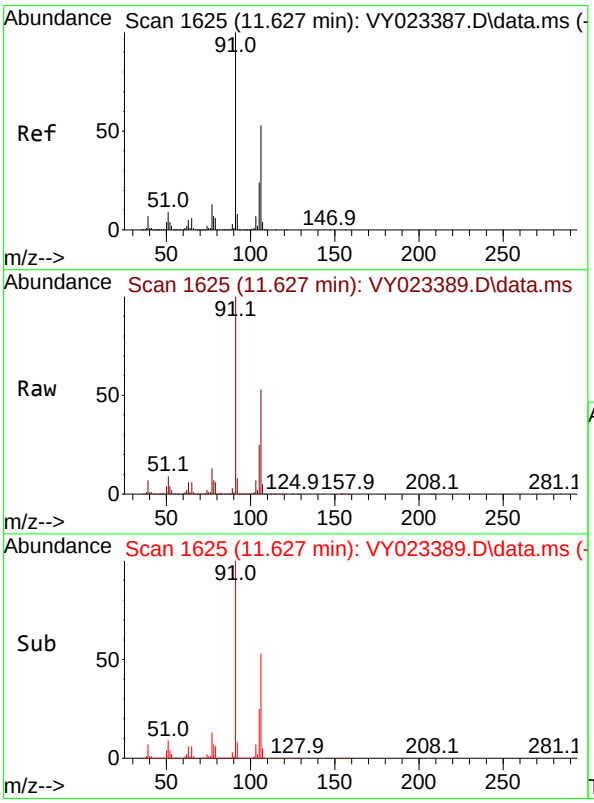
Ion	Ratio	Lower	Upper
91	100		
106	33.8	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

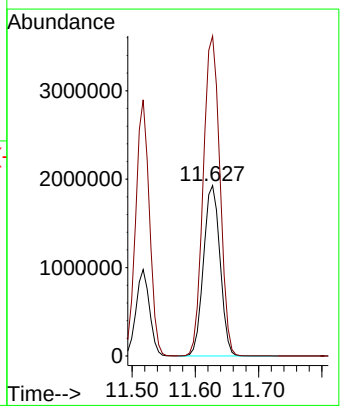


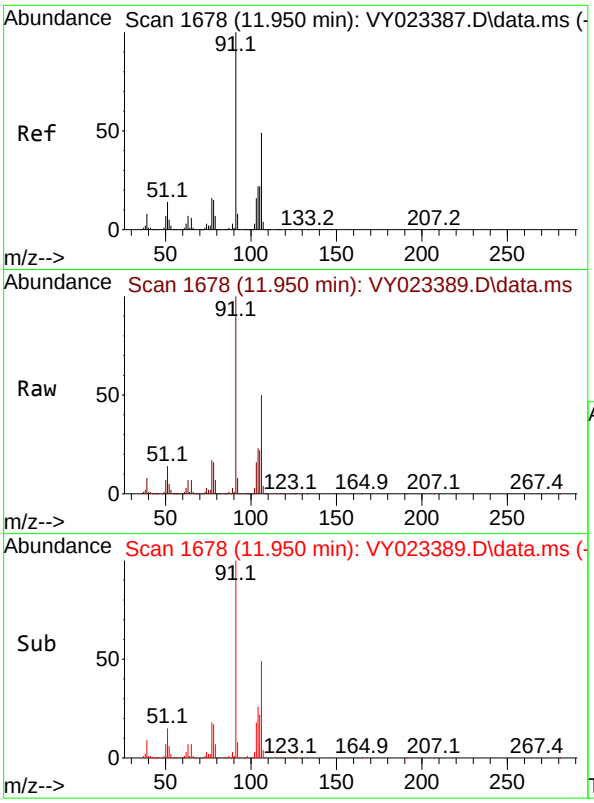


#68
m/p-Xylenes
Concen: 321.899 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:106 Resp: 3502137

Ion	Ratio	Lower	Upper
106	100		
91	189.2	152.6	229.0

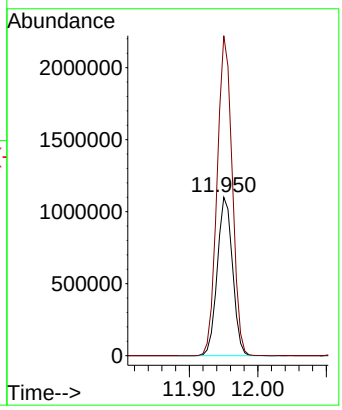




#69
o-Xylene
Concen: 168.295 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:106 Resp: 169498

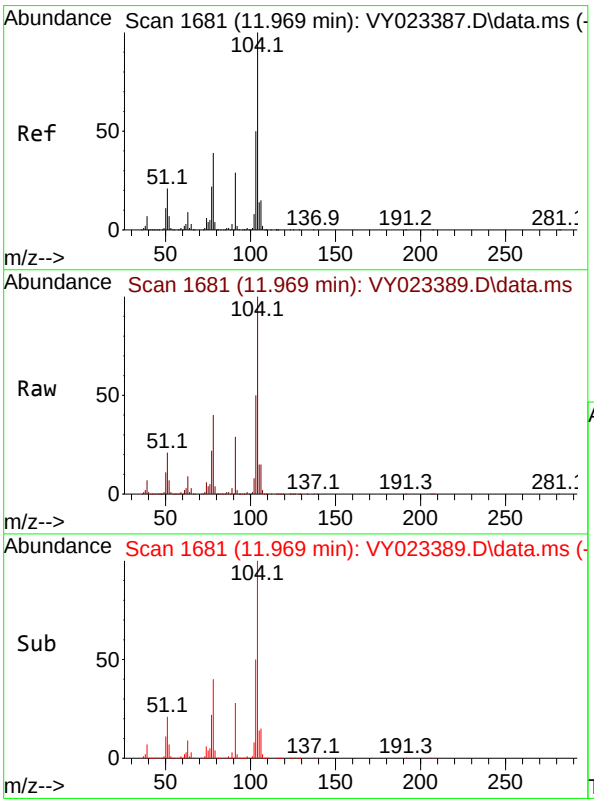
Ion	Ratio	Lower	Upper
106	100		
91	200.0	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

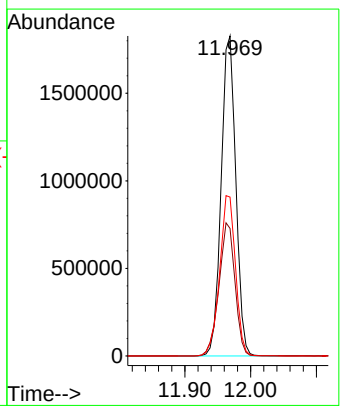
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

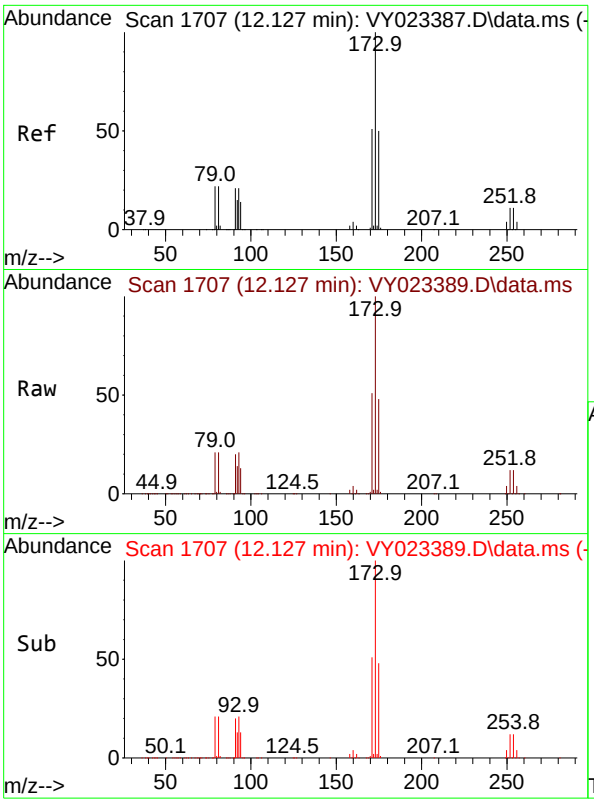


#70
Styrene
Concen: 170.203 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:104 Resp: 2830398

Ion	Ratio	Lower	Upper
104	100		
78	45.5	36.1	54.1
103	54.3	43.2	64.8

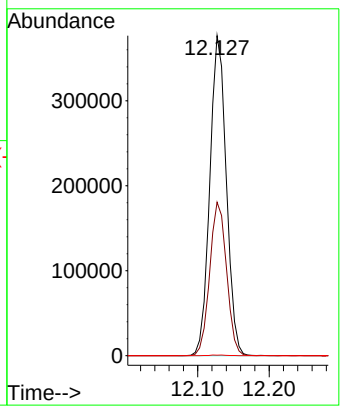




#71
Bromoform
Concen: 172.115 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:173 Resp: 60264

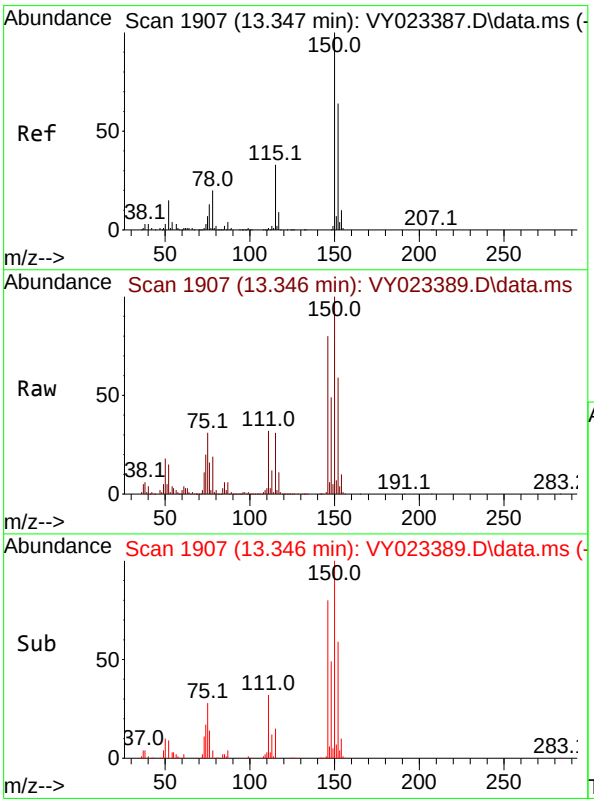
Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.8	74.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

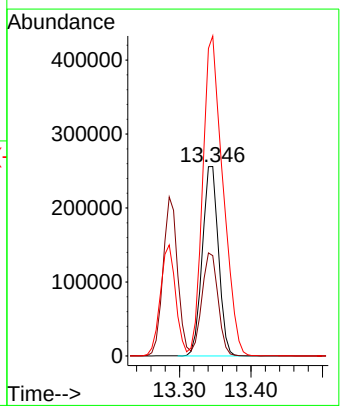
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

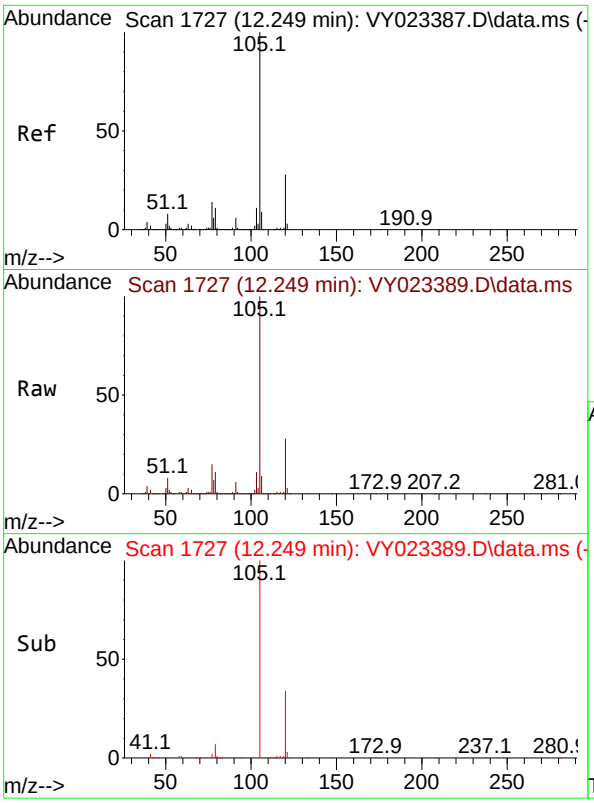


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:152 Resp: 402368

Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.1	81.2
150	210.4	0.0	347.4

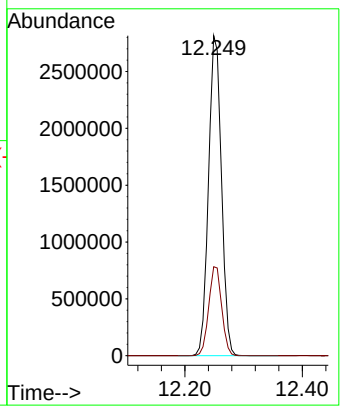




#73
Isopropylbenzene
Concen: 160.084 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:105 Resp: 429066

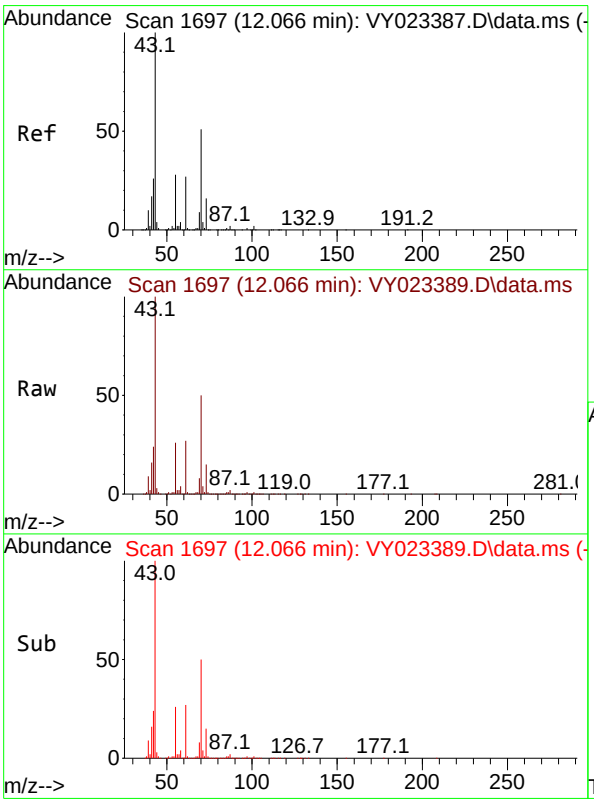
Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

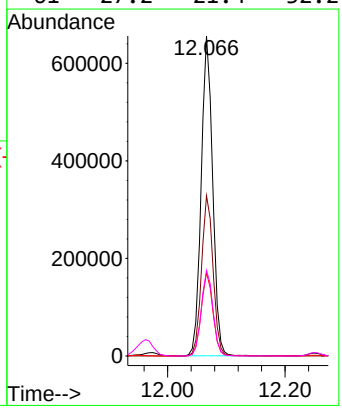
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

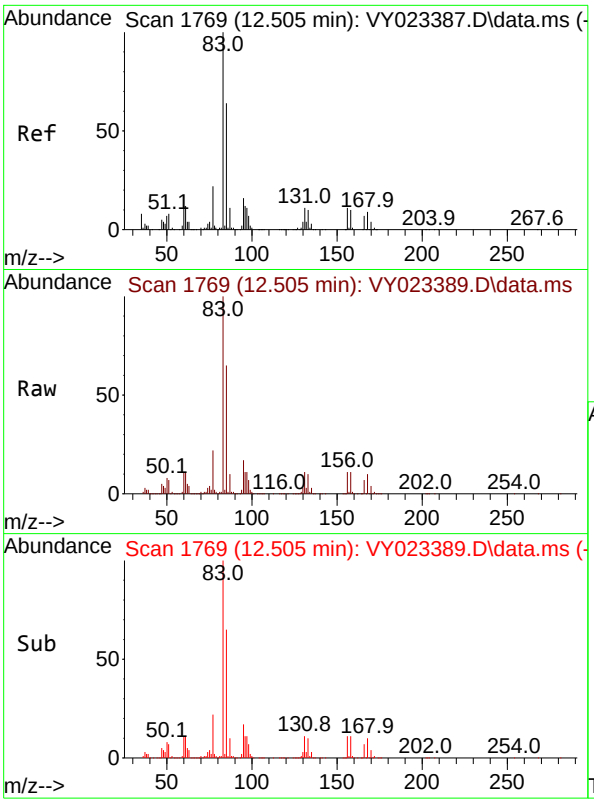


#74
N-amyl acetate
Concen: 177.866 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 890882

Ion	Ratio	Lower	Upper
43	100		
70	50.6	41.1	61.7
55	26.4	23.0	34.6
61	27.2	21.4	32.2

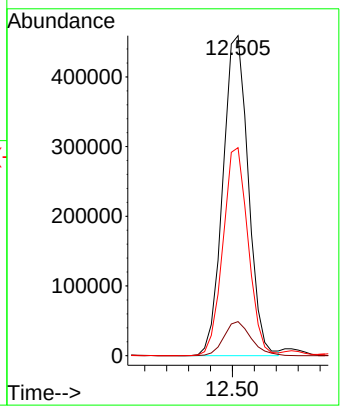




#75
1,1,2,2-Tetrachloroethane
Concen: 165.010 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 83 Resp: 73777

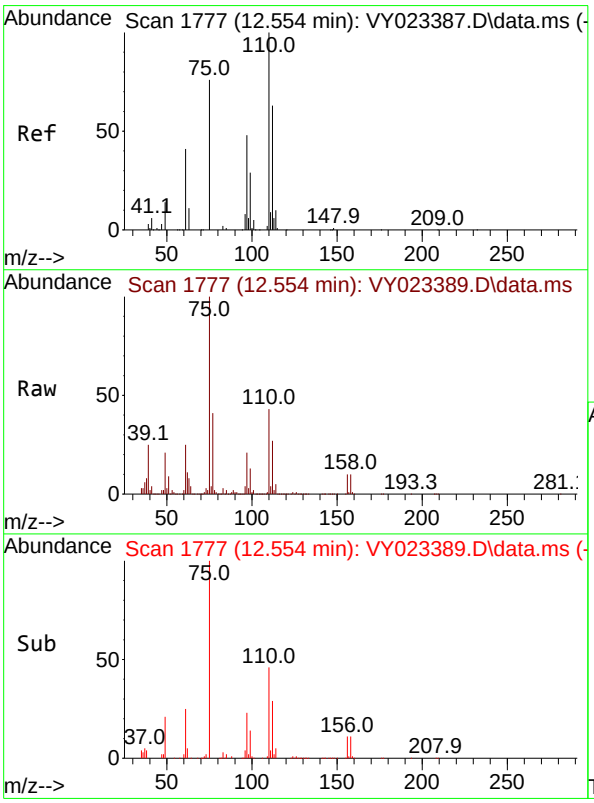
Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.9	17.6
85	64.4	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

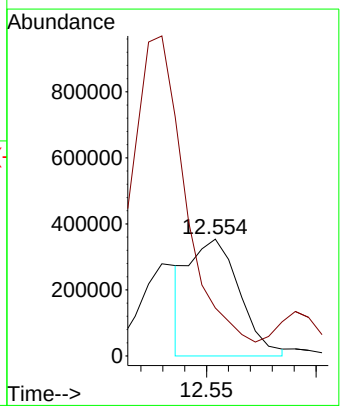
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

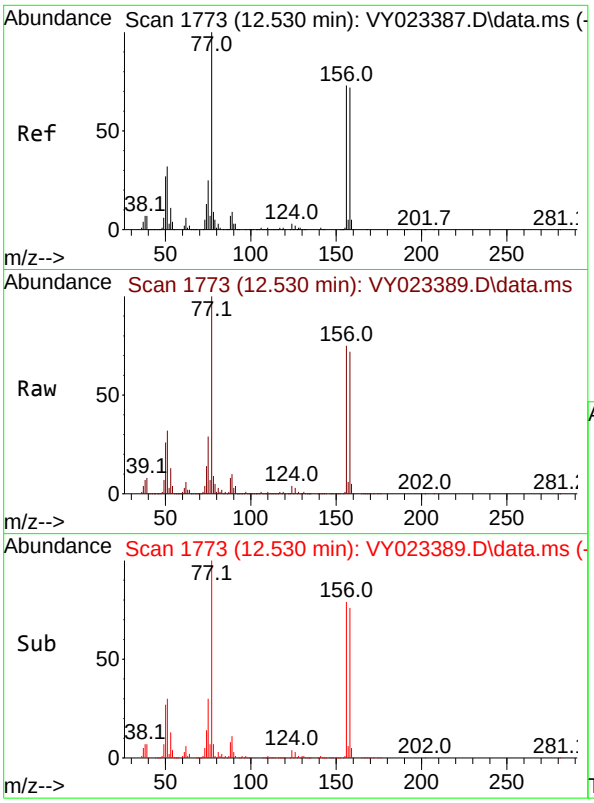


#76
1,2,3-Trichloropropane
Concen: 142.542 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 565754

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

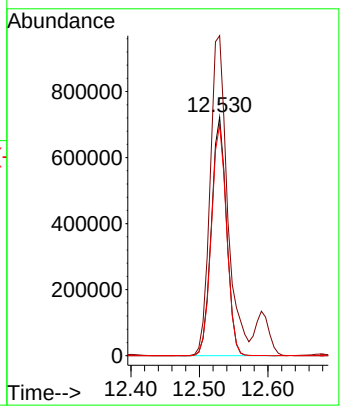




#77
Bromobenzene
Concen: 161.555 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:156 Resp: 111131

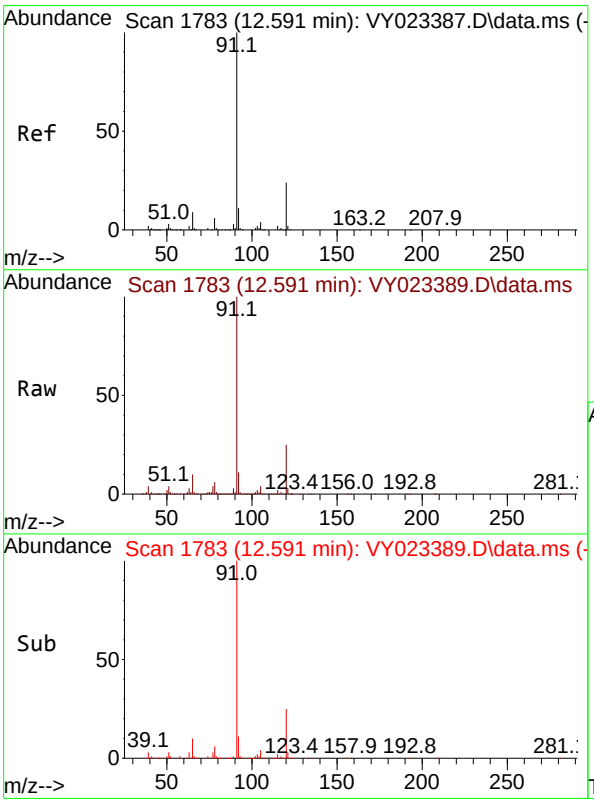
Ion	Ratio	Lower	Upper
156	100		
77	153.9	76.8	230.5
158	97.4	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

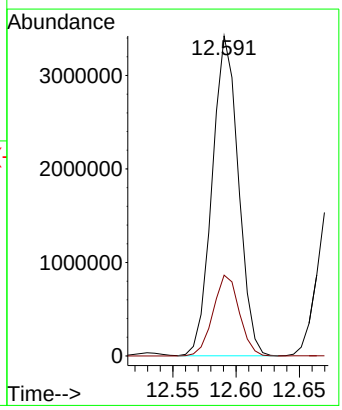
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

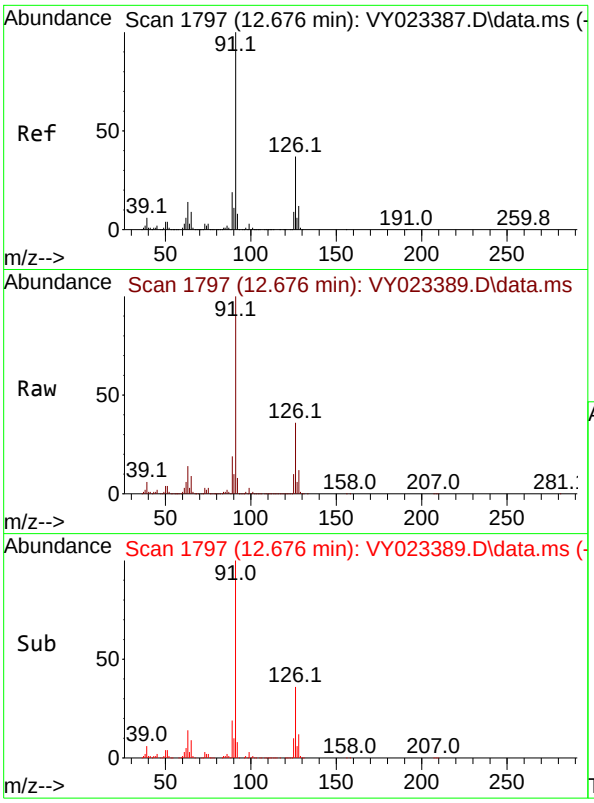


#78
n-propylbenzene
Concen: 156.465 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 91 Resp: 4932015

Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.3	36.8

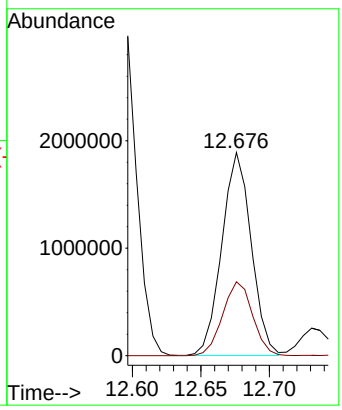




#79
2-Chlorotoluene
Concen: 155.063 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 91 Resp: 282204

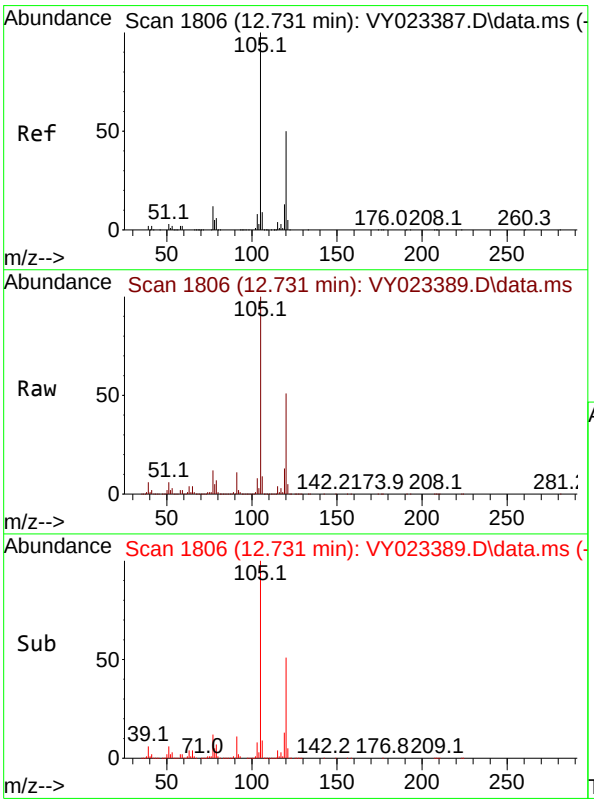
Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

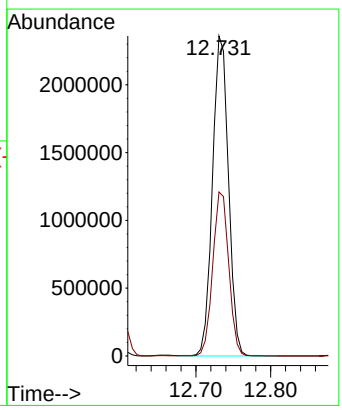
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

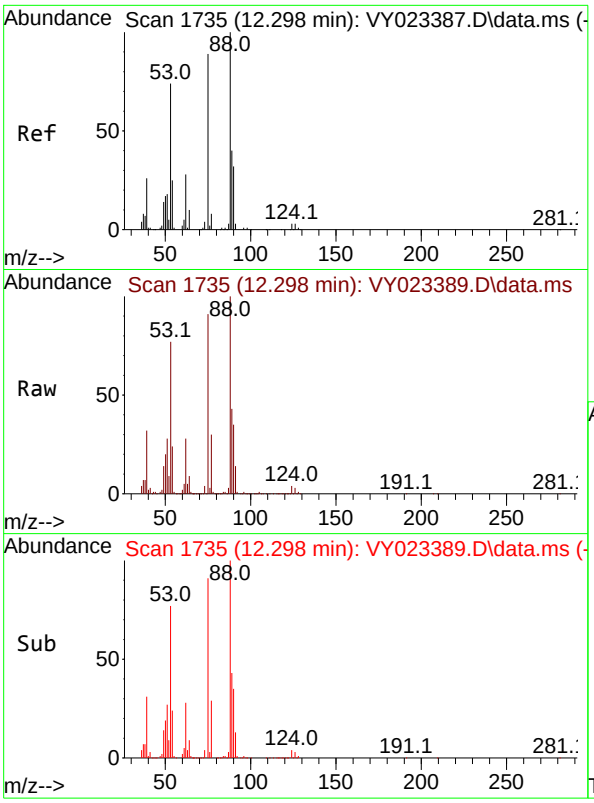


#80
1,3,5-Trimethylbenzene
Concen: 160.460 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:105 Resp: 3496249

Ion	Ratio	Lower	Upper
105	100		
120	51.4	25.4	76.4

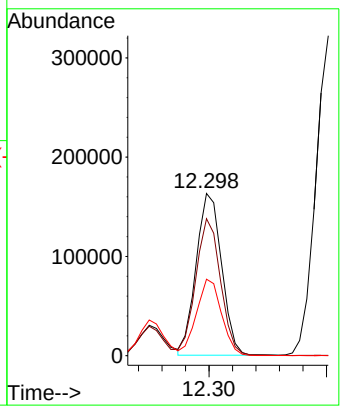




#81
trans-1,4-Dichloro-2-butene
Concen: 166.570 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 24519

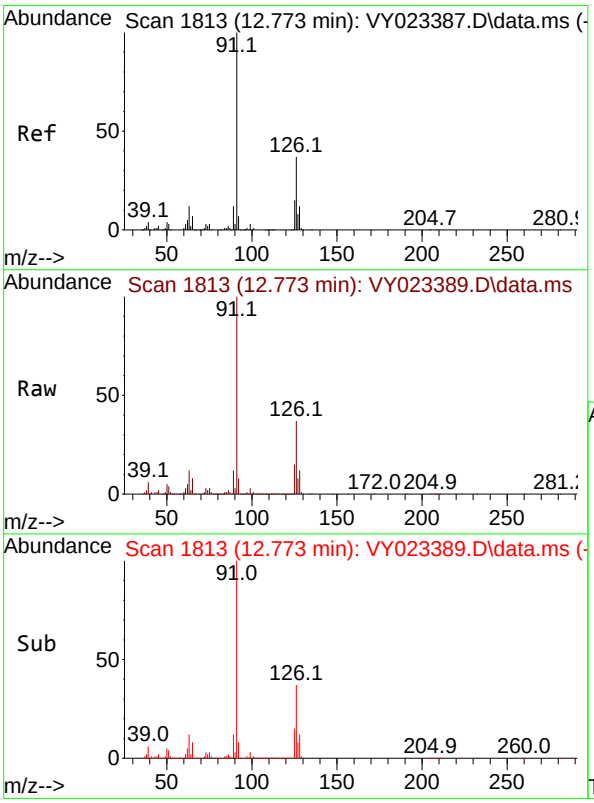
Ion	Ratio	Lower	Upper
75	100		
53	83.6	68.6	102.8
89	46.8	39.0	58.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

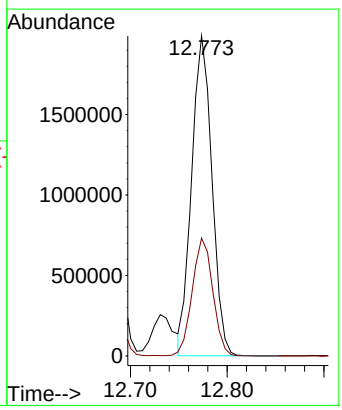
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

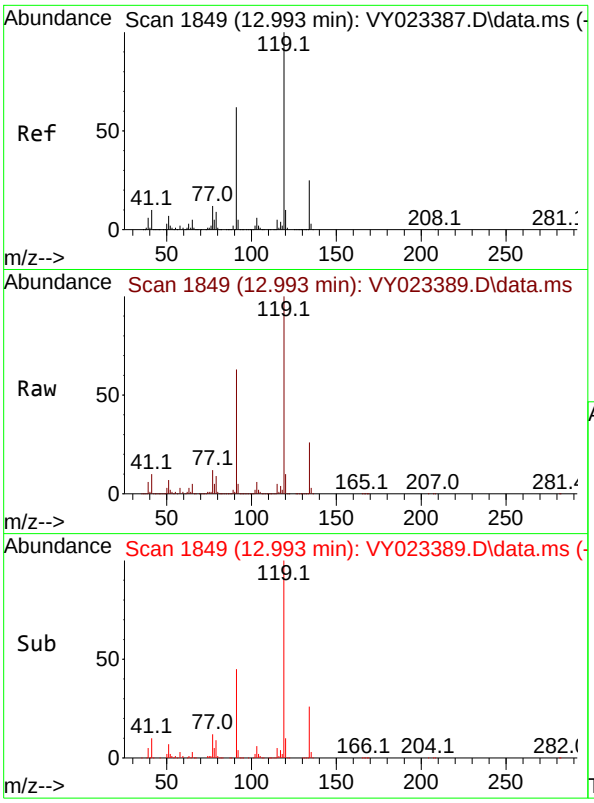


#82
4-Chlorotoluene
Concen: 152.701 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 91 Resp: 2902371

Ion	Ratio	Lower	Upper
91	100		
126	37.3	18.4	55.4

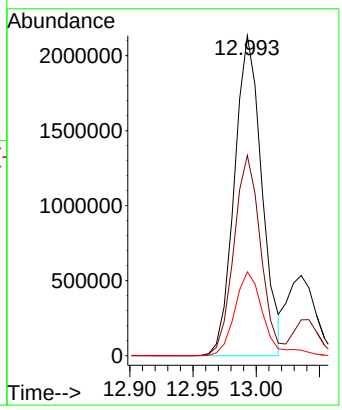




#83
tert-Butylbenzene
Concen: 162.197 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:119 Resp: 322038

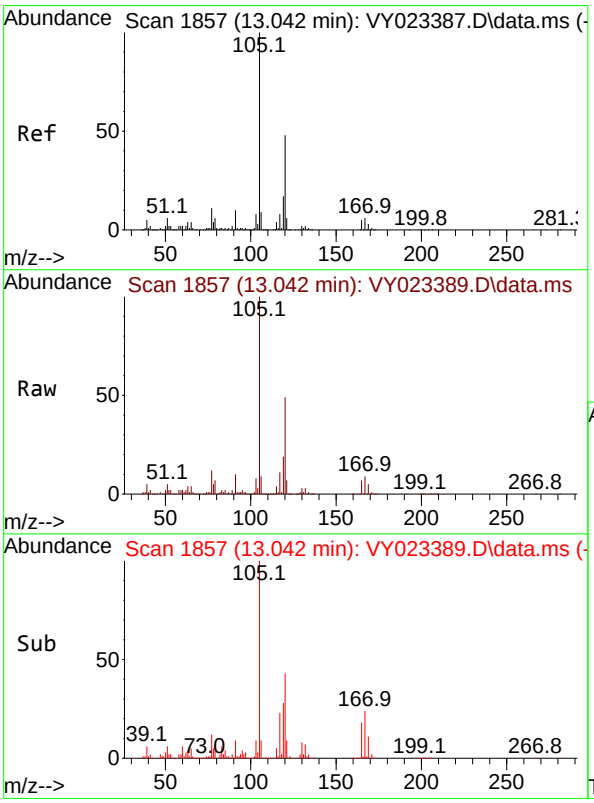
Ion	Ratio	Lower	Upper
119	100		
91	61.6	29.9	89.8
134	27.4	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

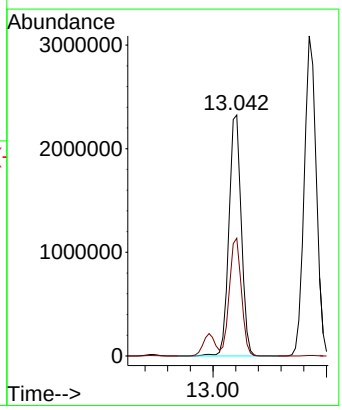
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

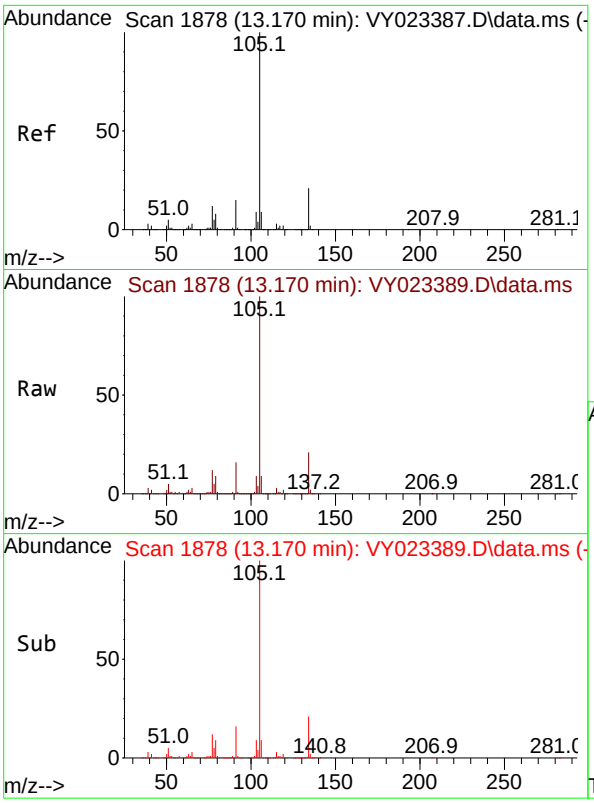


#84
1,2,4-Trimethylbenzene
Concen: 162.527 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:105 Resp: 3503639

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.8	71.2

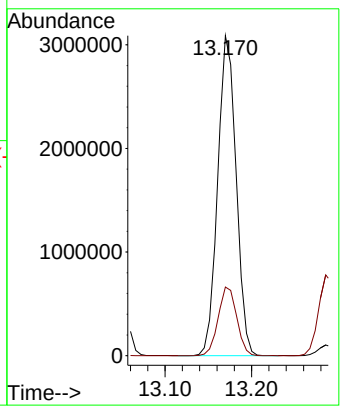




#85
sec-Butylbenzene
Concen: 158.609 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:105 Resp: 456071

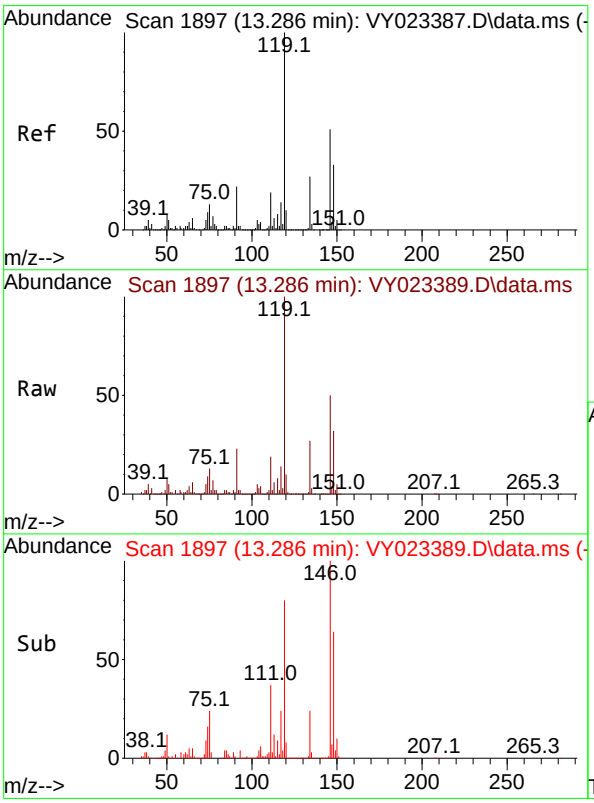
Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

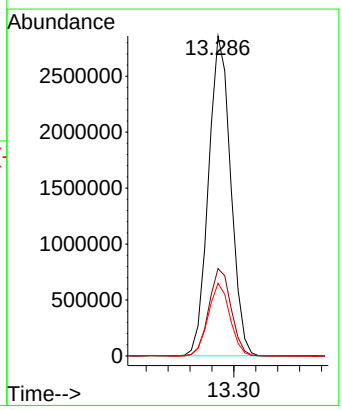
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

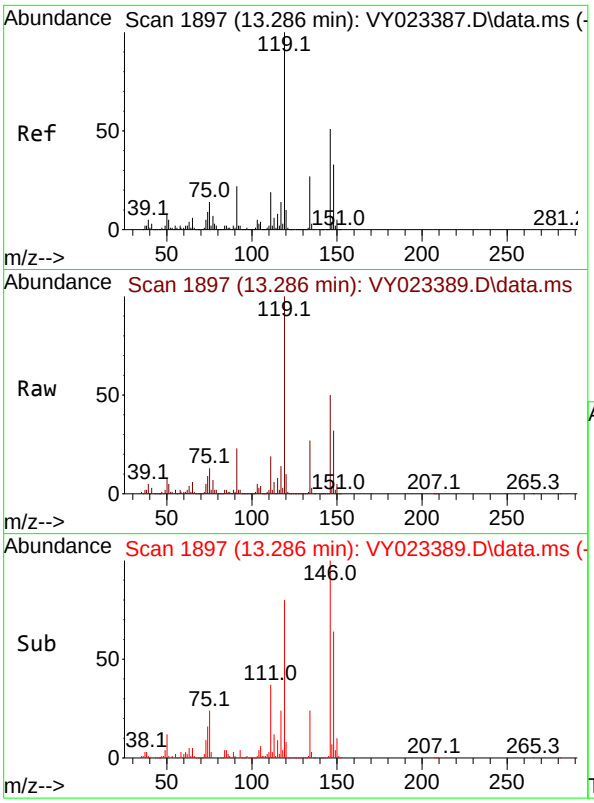


#86
p-Isopropyltoluene
Concen: 165.622 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:119 Resp: 4024712

Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.6	40.7
91	22.1	10.9	32.9





#87
1,3-Dichlorobenzene
Concen: 159.350 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

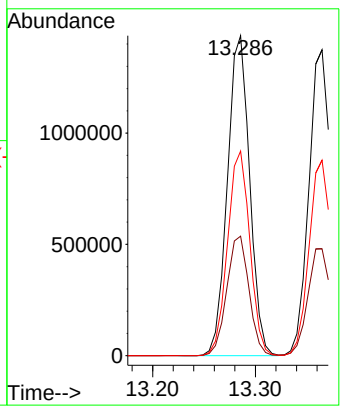
Tgt Ion:146 Resp: 216527

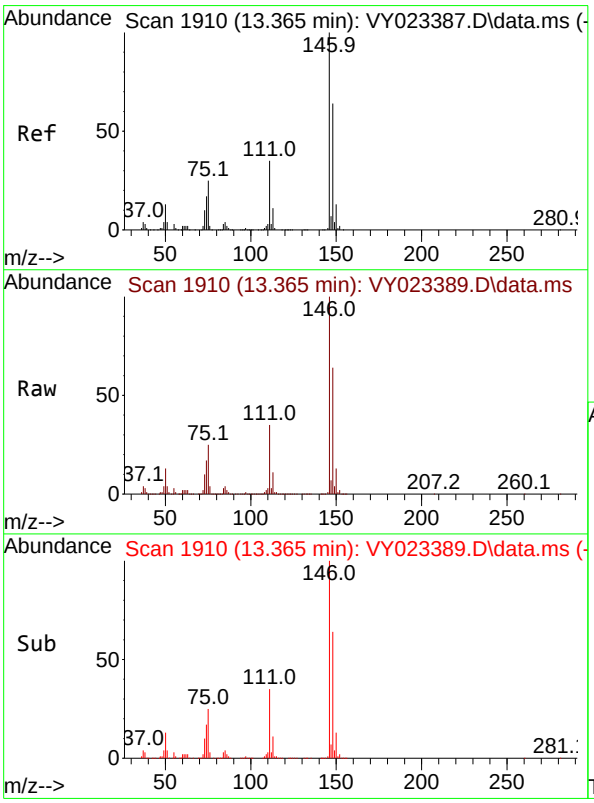
Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.0	31.9	95.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

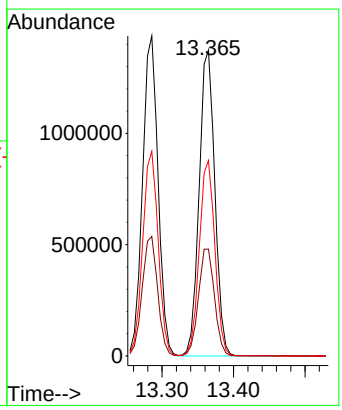


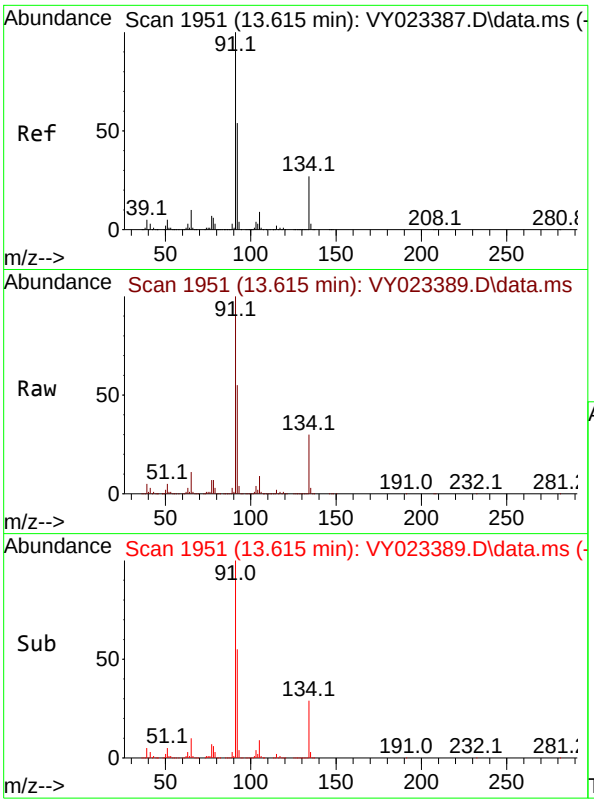


#88
1,4-Dichlorobenzene
Concen: 155.104 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:146 Resp: 2090133

Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.0	54.0
148	63.6	31.9	95.7





#89
n-Butylbenzene
Concen: 163.379 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

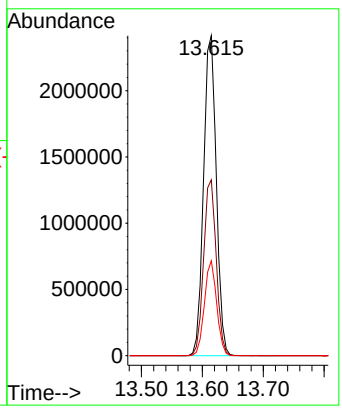
Tgt Ion: 91 Resp: 350571

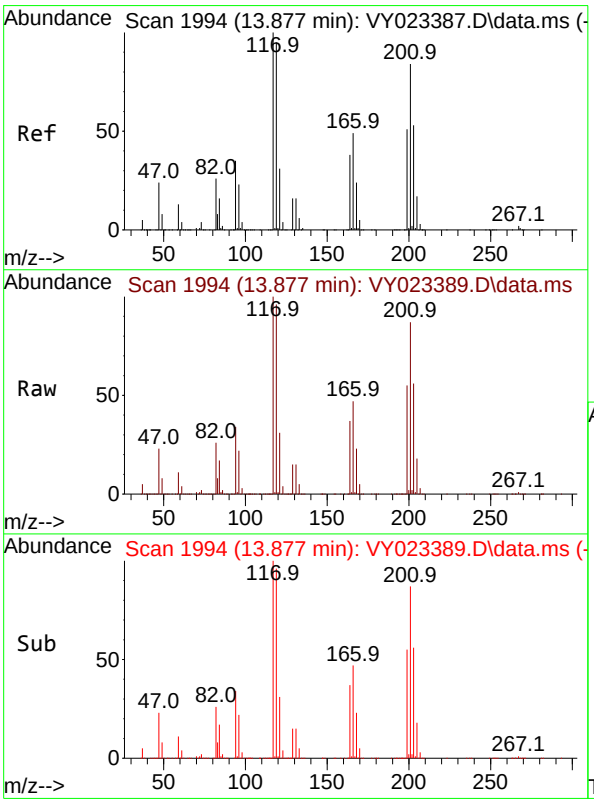
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.0	80.8
134	28.6	14.1	42.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

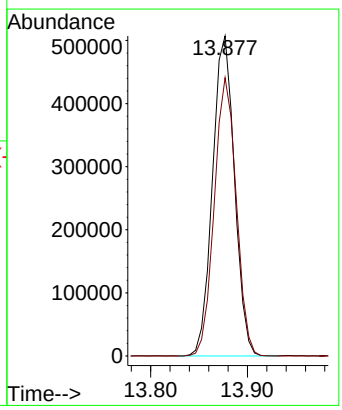


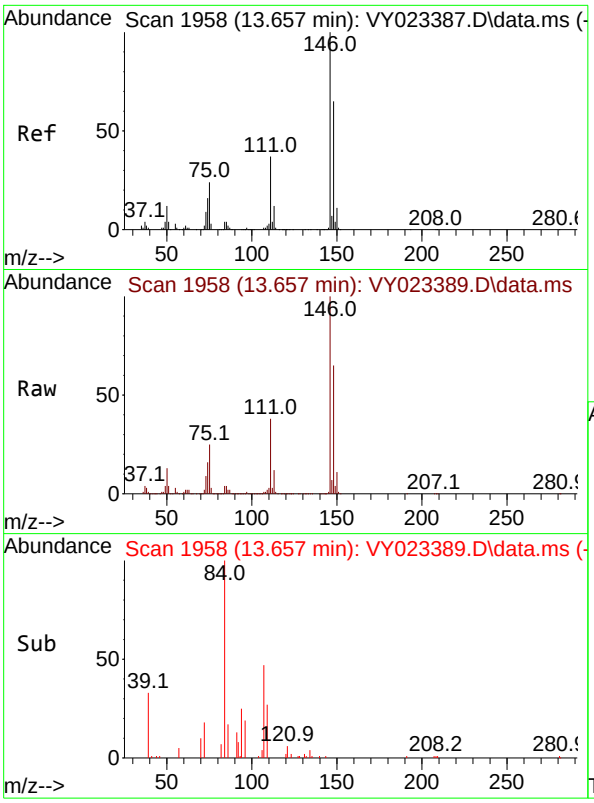


#90
Hexachloroethane
Concen: 151.487 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:117 Resp: 799264

Ion	Ratio	Lower	Upper
117	100		
201	86.8	43.8	131.4

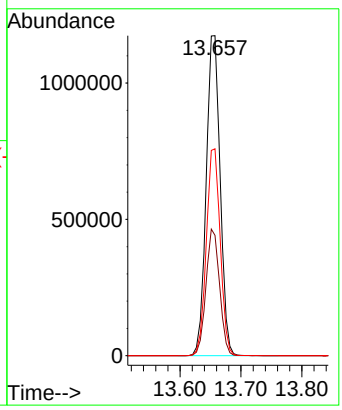




#91
1,2-Dichlorobenzene
Concen: 157.101 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:146 Resp: 186269

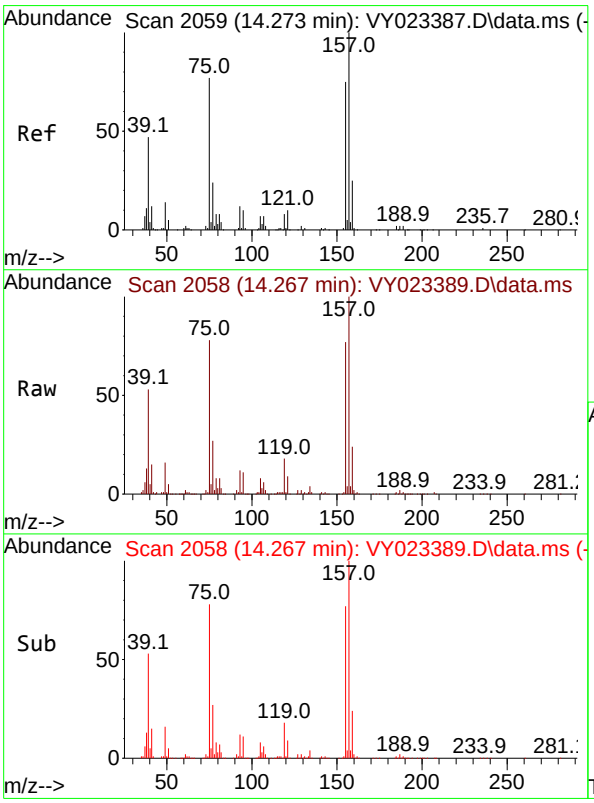
Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.0	57.0
148	64.5	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

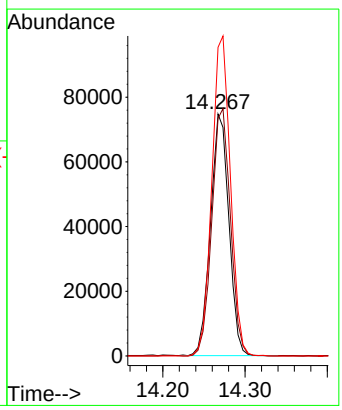
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

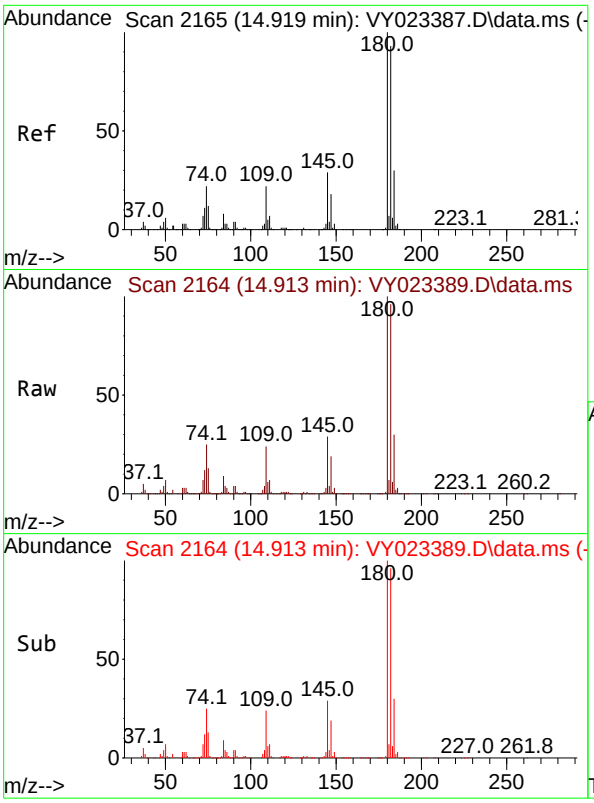


#92
1,2-Dibromo-3-Chloropropane
Concen: 164.099 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 116273

Ion	Ratio	Lower	Upper
75	100		
155	103.6	50.0	150.0
157	133.4	63.8	191.5

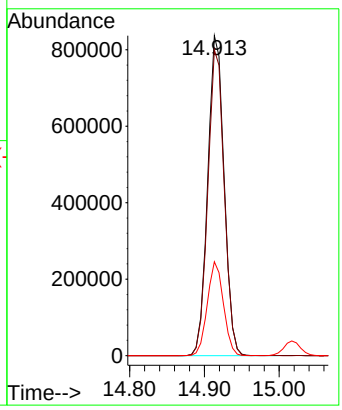




#93
1,2,4-Trichlorobenzene
Concen: 182.183 ug/l
RT: 14.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:180 Resp: 127262

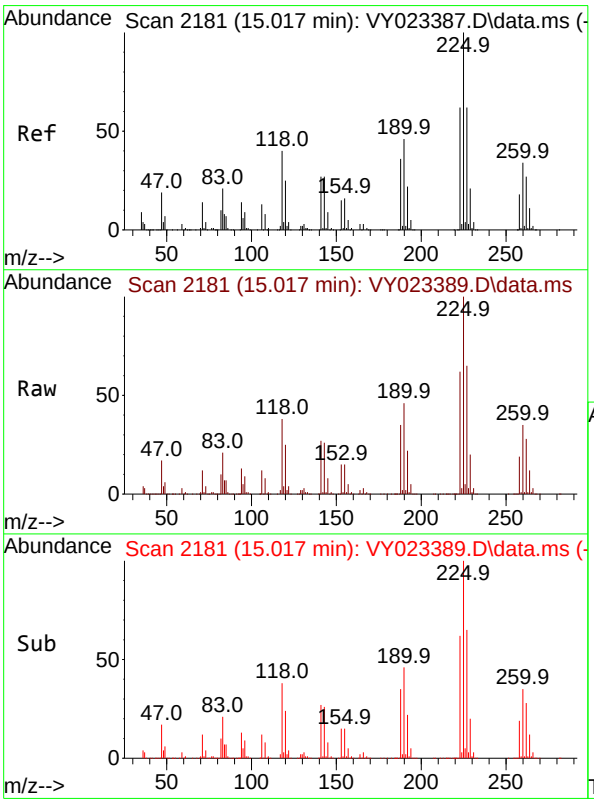
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.6
145	28.9	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

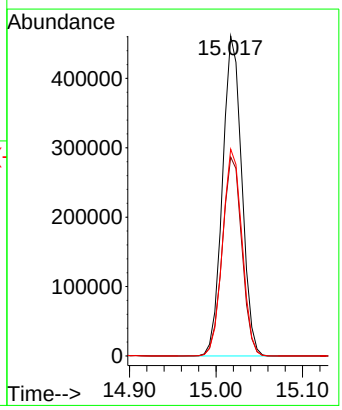
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

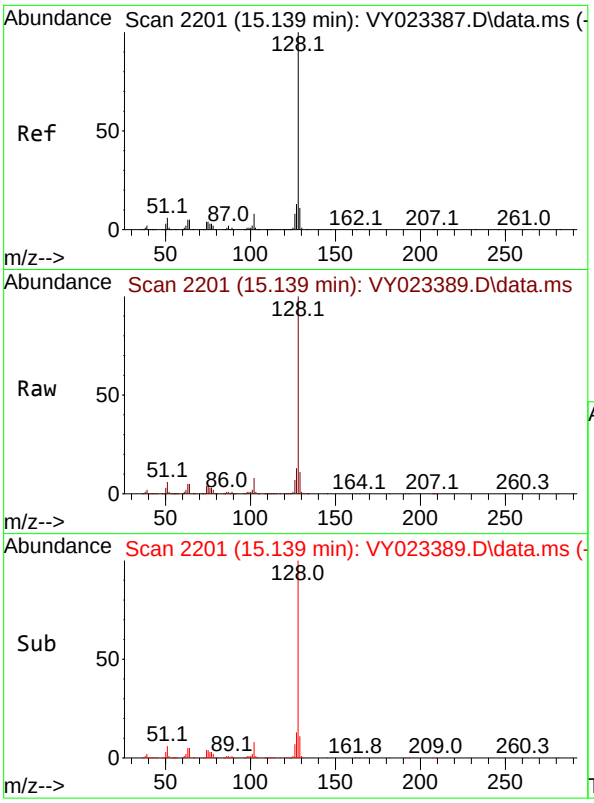


#94
Hexachlorobutadiene
Concen: 163.518 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:225 Resp: 711748

Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.8	92.3
227	65.0	31.9	95.7

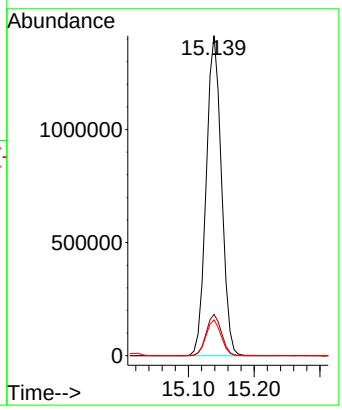




#95
Naphthalene
Concen: 204.639 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:128 Resp: 227754

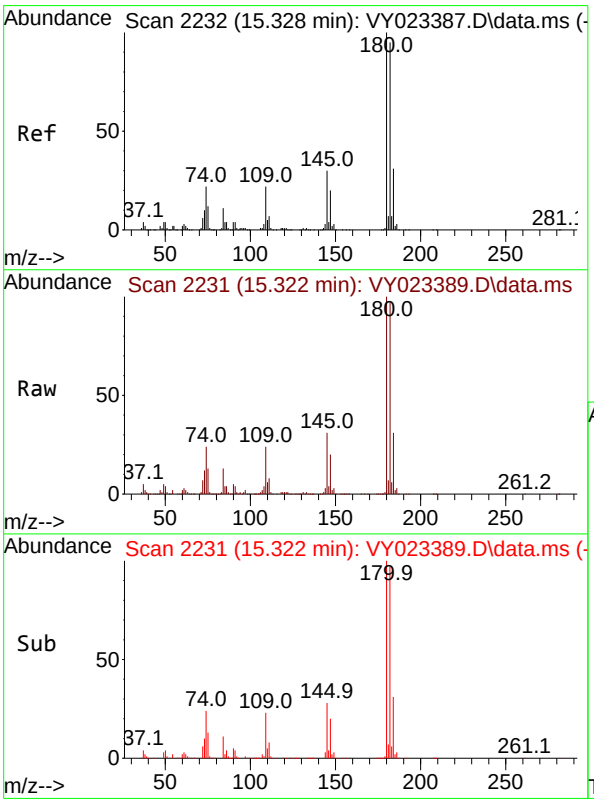
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

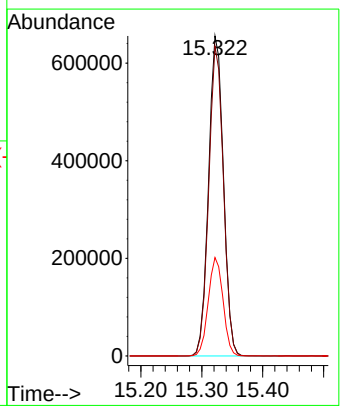
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 183.206 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:180 Resp: 1110193

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	30.5	15.3	45.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	574332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	861639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	771372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	405636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	237493	49.450	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.900%			
35) Dibromofluoromethane	7.634	113	260038	49.116	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.240%			
50) Toluene-d8	10.103	98	970614	49.228	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.460%			
62) 4-Bromofluorobenzene	12.402	95	324700	49.881	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	185683	44.916	ug/l	99
3) Chloromethane	2.068	50	295766	52.519	ug/l	98
4) Vinyl Chloride	2.208	62	362714	49.449	ug/l	100
5) Bromomethane	2.598	94	300735	48.856	ug/l	98
6) Chloroethane	2.739	64	256831	51.367	ug/l	99
7) Trichlorofluoromethane	3.056	101	494789	48.582	ug/l	99
8) Diethyl Ether	3.458	74	135857	51.050	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	257524	48.728	ug/l	100
10) Methyl Iodide	4.007	142	305209	51.875	ug/l	98
11) Tert butyl alcohol	4.860	59	82562	231.079	ug/l	100
12) 1,1-Dichloroethene	3.787	96	254382	49.653	ug/l	97
13) Acrolein	3.653	56	124288	246.184	ug/l	99
14) Allyl chloride	4.385	41	316213	50.645	ug/l	99
15) Acrylonitrile	5.055	53	256219	251.575	ug/l	99
16) Acetone	3.866	43	243433	212.910	ug/l	98
17) Carbon Disulfide	4.104	76	733457	50.021	ug/l	100
18) Methyl Acetate	4.385	43	151281	50.439	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	643111	52.230	ug/l	97
20) Methylene Chloride	4.616	84	324604	52.503	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	290384	51.482	ug/l	98
22) Diisopropyl ether	6.019	45	709381	51.364	ug/l	99
23) Vinyl Acetate	5.958	43	1950969	260.981	ug/l	99
24) 1,1-Dichloroethane	5.915	63	464207	50.742	ug/l	98
25) 2-Butanone	6.890	43	325351	233.083	ug/l	99
26) 2,2-Dichloropropane	6.884	77	416585	49.626	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	341964	52.485	ug/l	97
28) Bromochloromethane	7.244	49	155146	45.427	ug/l	100
29) Tetrahydrofuran	7.262	42	200513	253.317	ug/l	99
30) Chloroform	7.421	83	513997	51.137	ug/l	98
31) Cyclohexane	7.701	56	378819	47.416	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	456112	49.934	ug/l	100
36) 1,1-Dichloropropene	7.835	75	348786	49.761	ug/l	99
37) Ethyl Acetate	6.982	43	138119	49.740	ug/l	98
38) Carbon Tetrachloride	7.817	117	413653	48.671	ug/l	99
39) Methylcyclohexane	9.109	83	456031	49.970	ug/l	99
40) Benzene	8.079	78	1107790	49.906	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.220	41	72100	48.008	ug/l		96
42)	1,2-Dichloroethane	8.158	62	282332	49.318	ug/l		99
43)	Isopropyl Acetate	8.195	43	279887	50.548	ug/l		100
44)	Trichloroethene	8.866	130	319131	49.120	ug/l		98
45)	1,2-Dichloropropane	9.140	63	246887	50.355	ug/l		100
46)	Dibromomethane	9.231	93	157758	50.885	ug/l		98
47)	Bromodichloromethane	9.420	83	393918	50.450	ug/l		99
48)	Methyl methacrylate	9.219	41	128606	49.440	ug/l		95
49)	1,4-Dioxane	9.231	88	37356	1039.252	ug/l		97
51)	4-Methyl-2-Pentanone	10.000	43	724992	253.421	ug/l		100
52)	Toluene	10.170	92	743055	51.556	ug/l		99
53)	t-1,3-Dichloropropene	10.390	75	347336	51.160	ug/l		99
54)	cis-1,3-Dichloropropene	9.853	75	413860	51.649	ug/l		99
55)	1,1,2-Trichloroethane	10.573	97	210245	50.430	ug/l		97
56)	Ethyl methacrylate	10.438	69	256731	53.385	ug/l		99
57)	1,3-Dichloropropane	10.713	76	337673	51.113	ug/l		99
58)	2-Chloroethyl Vinyl ether	9.713	63	586266	272.133	ug/l		100
59)	2-Hexanone	10.762	43	501877	245.480	ug/l		99
60)	Dibromochloromethane	10.908	129	297946	50.974	ug/l		99
61)	1,2-Dibromoethane	11.018	107	201415	50.658	ug/l		100
64)	Tetrachloroethene	10.646	164	382998	48.087	ug/l		99
65)	Chlorobenzene	11.438	112	828466	49.381	ug/l		100
66)	1,1,1,2-Tetrachloroethane	11.518	131	296157	49.537	ug/l		99
67)	Ethyl Benzene	11.518	91	1380691	50.841	ug/l		100
68)	m/p-Xylenes	11.627	106	1108386	101.757	ug/l		100
69)	o-Xylene	11.950	106	526954	51.577	ug/l		100
70)	Styrene	11.969	104	875709	52.122	ug/l		100
71)	Bromoform	12.133	173	185682	50.070	ug/l	#	98
73)	Isopropylbenzene	12.255	105	1345109	50.318	ug/l		100
74)	N-amyl acetate	12.066	43	245291	51.087	ug/l		99
75)	1,1,2,2-Tetrachloroethane	12.505	83	217245	49.688	ug/l		99
76)	1,2,3-Trichloropropane	12.554	75	153438m	42.874	ug/l		
77)	Bromobenzene	12.530	156	352420	49.590	ug/l		99
78)	n-propylbenzene	12.591	91	1568180	50.694	ug/l		100
79)	2-Chlorotoluene	12.676	91	906610	50.047	ug/l		100
80)	1,3,5-Trimethylbenzene	12.737	105	1106664	51.231	ug/l		99
81)	trans-1,4-Dichloro-2-b...	12.304	75	67959	46.566	ug/l		97
82)	4-Chlorotoluene	12.773	91	941314	50.455	ug/l		100
83)	tert-Butylbenzene	12.993	119	1037510	52.019	ug/l		99
84)	1,2,4-Trimethylbenzene	13.042	105	1110672	51.520	ug/l		99
85)	sec-Butylbenzene	13.176	105	1454774	50.848	ug/l		100
86)	p-Isopropyltoluene	13.292	119	1263377	51.864	ug/l		99
87)	1,3-Dichlorobenzene	13.286	146	686854	49.632	ug/l		99
88)	1,4-Dichlorobenzene	13.365	146	671644	49.140	ug/l		100
89)	n-Butylbenzene	13.615	91	1100086	51.829	ug/l		99
90)	Hexachloroethane	13.877	117	257335	49.116	ug/l		98
91)	1,2-Dichlorobenzene	13.657	146	602989	49.698	ug/l		99
92)	1,2-Dibromo-3-Chloropr...	14.273	75	34928	48.687	ug/l		99
93)	1,2,4-Trichlorobenzene	14.919	180	386806	51.138	ug/l		100
94)	Hexachlorobutadiene	15.023	225	236040	50.061	ug/l		99
95)	Naphthalene	15.139	128	628190	52.154	ug/l		100
96)	1,2,3-Trichlorobenzene	15.328	180	335267	51.172	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

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

ICAL Form

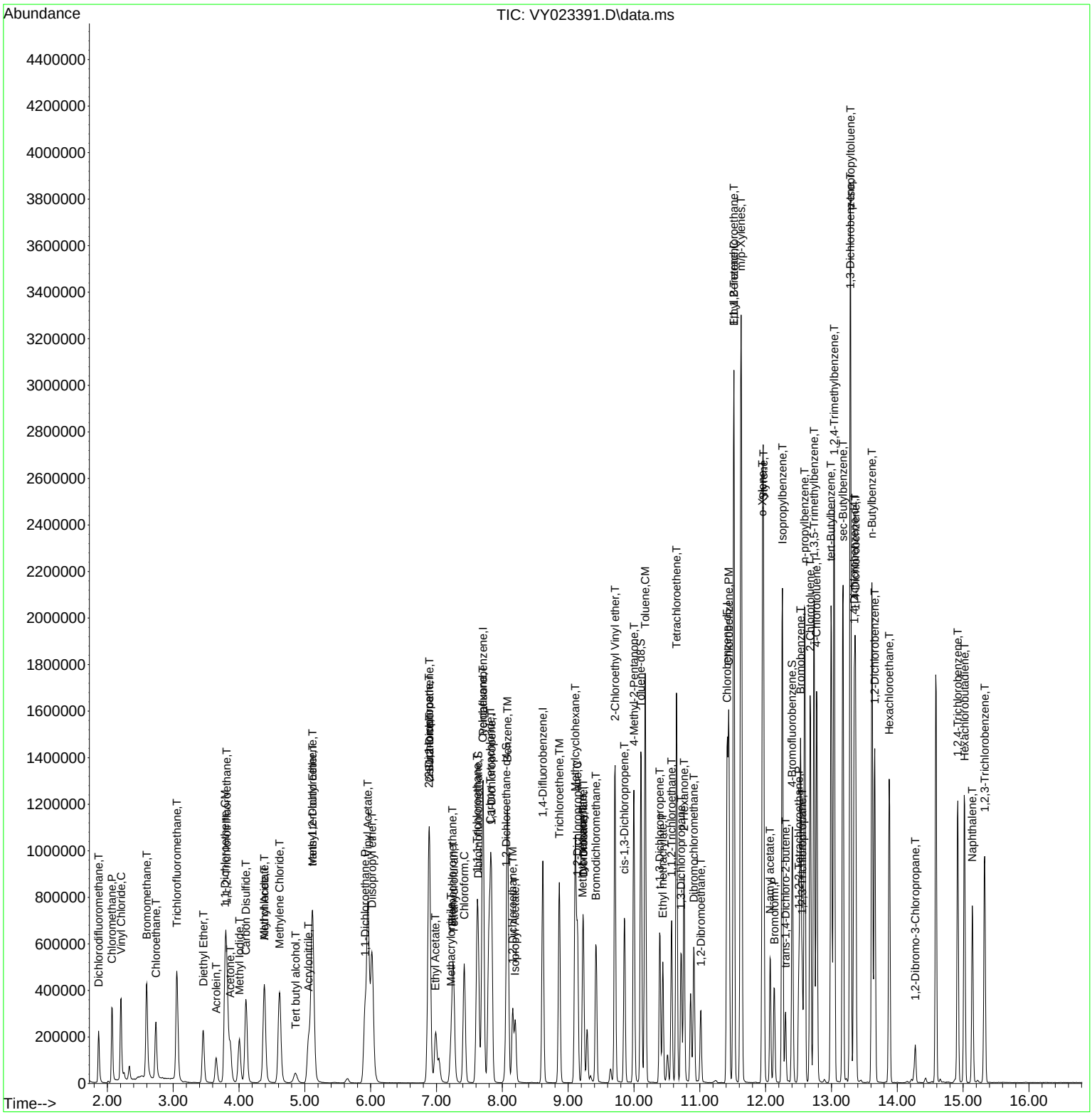
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

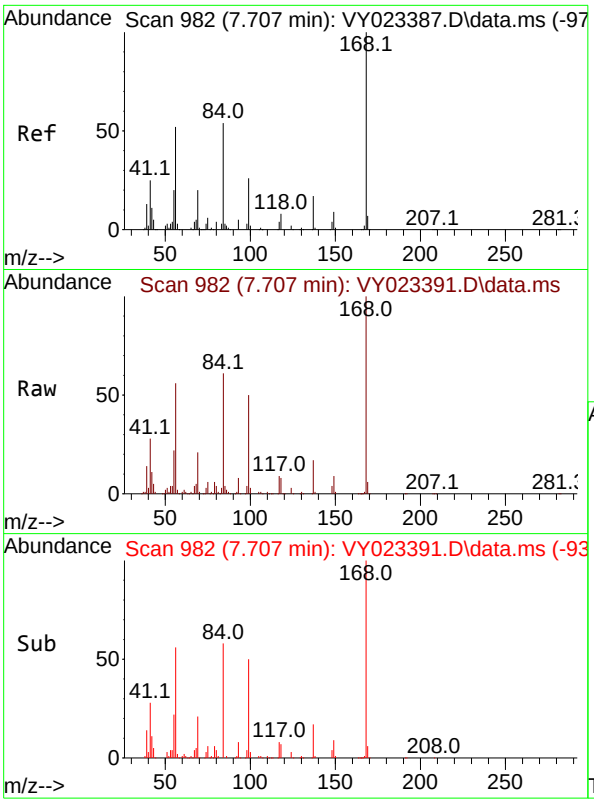
Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

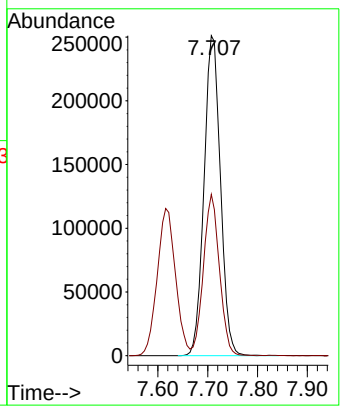
Tgt Ion:168 Resp: 57433

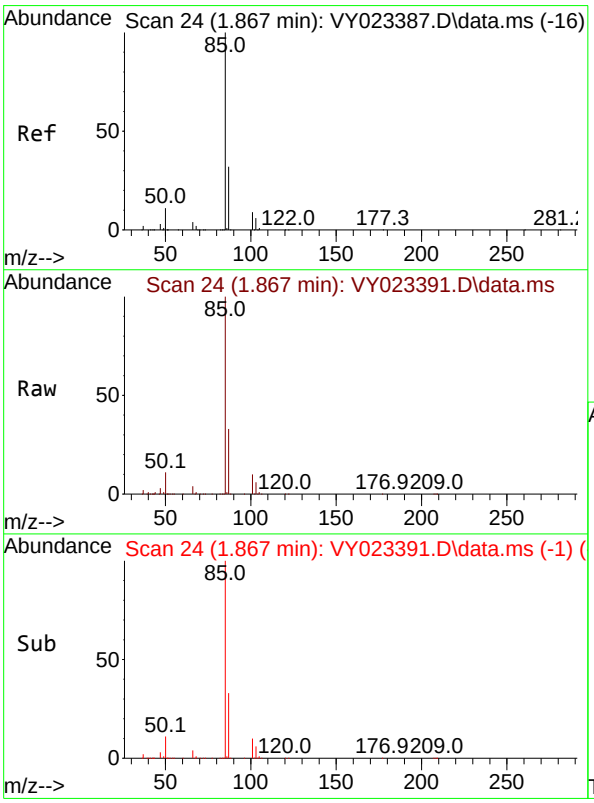
Ion	Ratio	Lower	Upper
168	100		
99	50.4	39.7	59.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

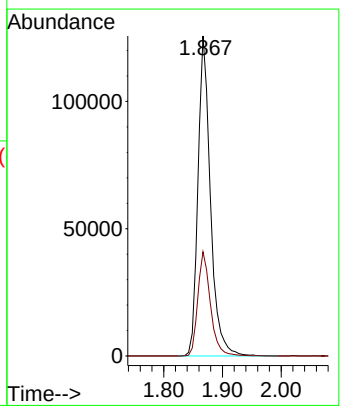


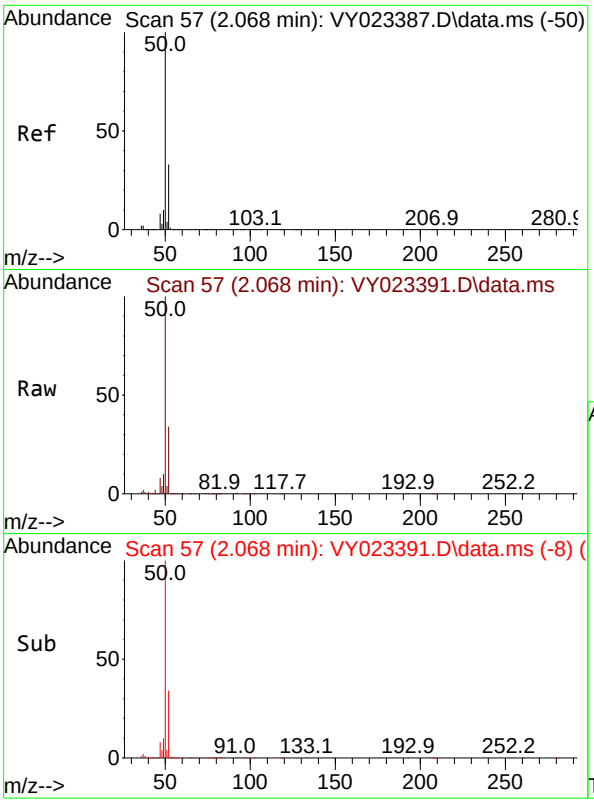


#2
Dichlorodifluoromethane
Concen: 44.916 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 85 Resp: 185683

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.0	47.9

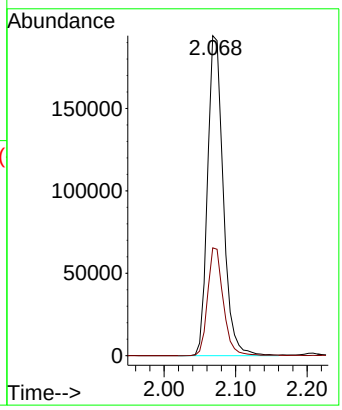




#3
Chloromethane
Concen: 52.519 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 50 Resp: 29576

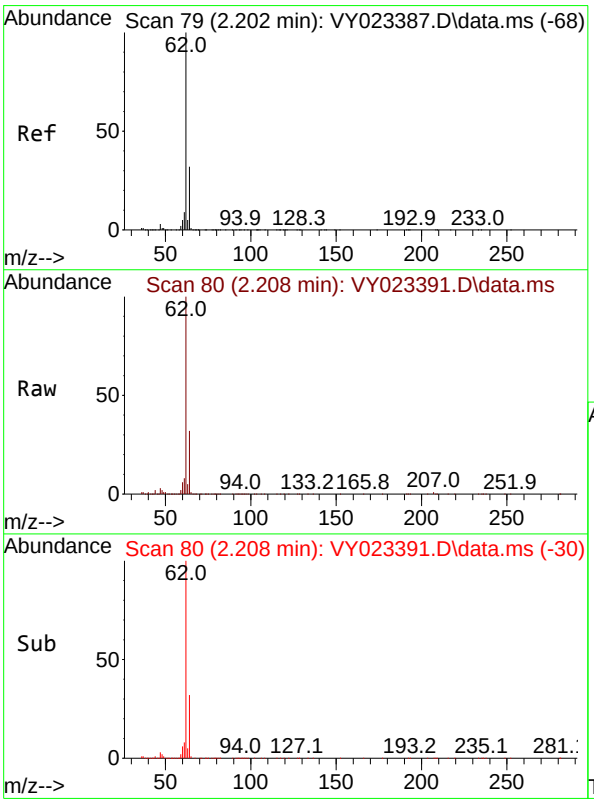
Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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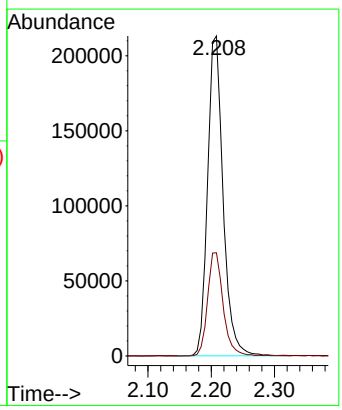
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

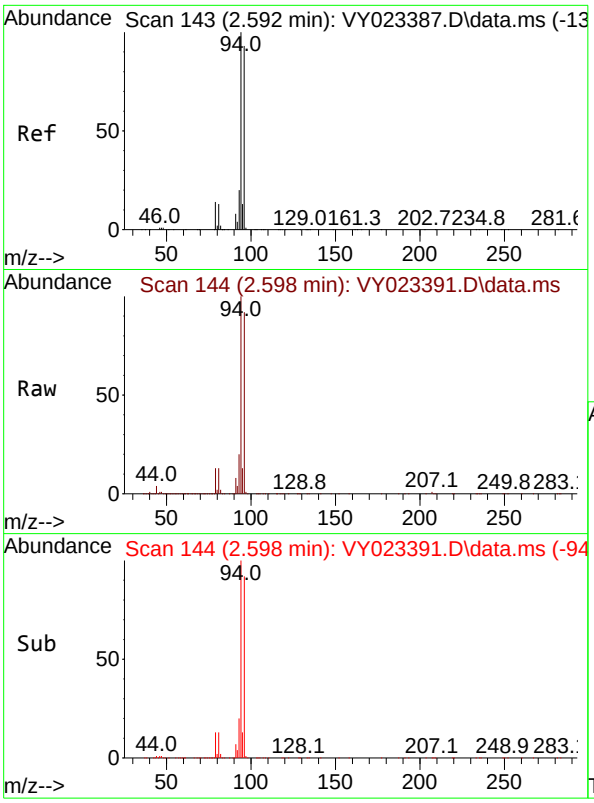


#4
Vinyl Chloride
Concen: 49.449 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 62 Resp: 362714

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.8	38.8

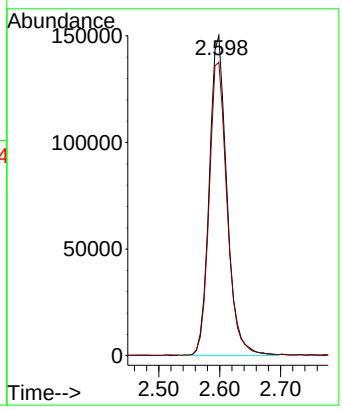




#5
Bromomethane
Concen: 48.856 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 94 Resp: 30073

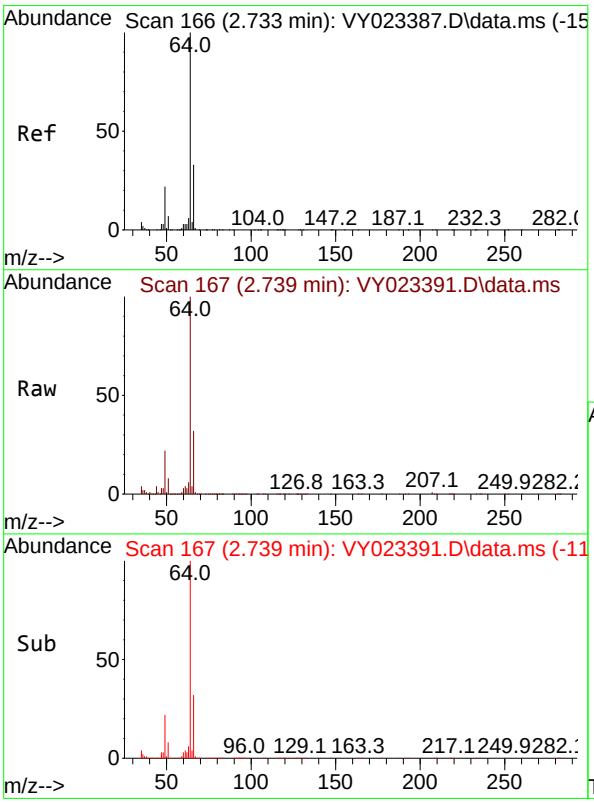
Ion	Ratio	Lower	Upper
94	100		
96	91.5	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

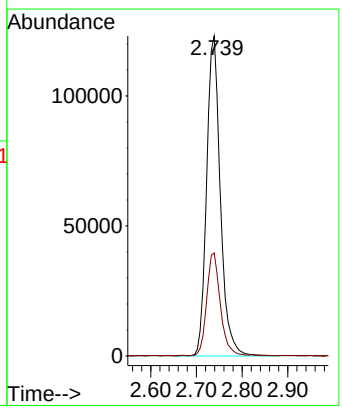
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

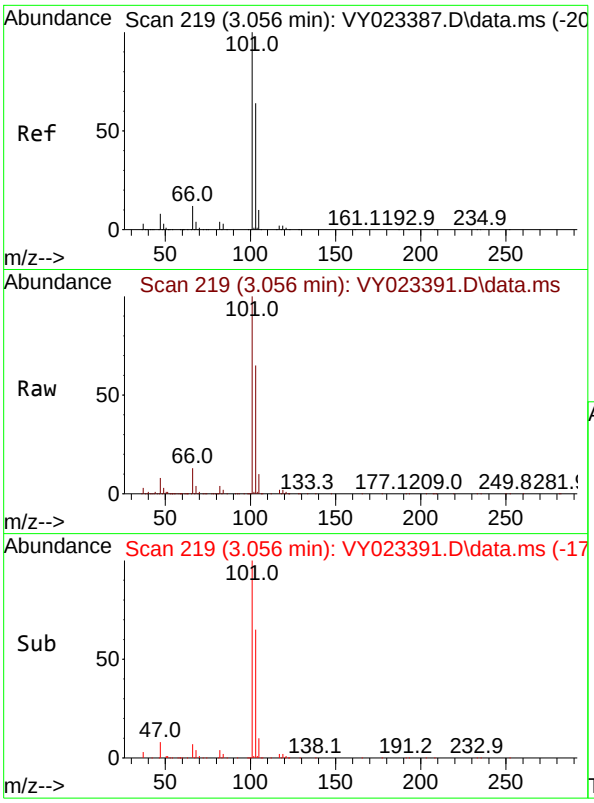


#6
Chloroethane
Concen: 51.367 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 64 Resp: 256831

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.2	39.4

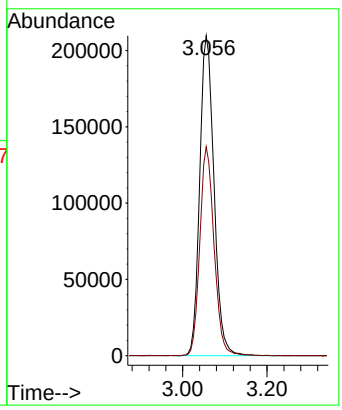




#7
Trichlorofluoromethane
Concen: 48.582 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:101 Resp: 49478

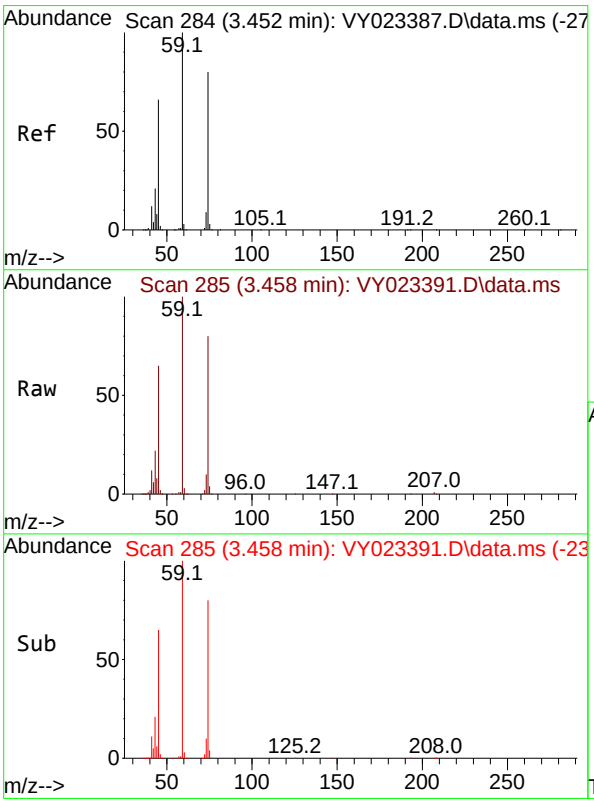
Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

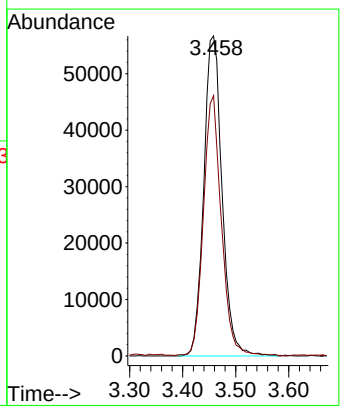
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

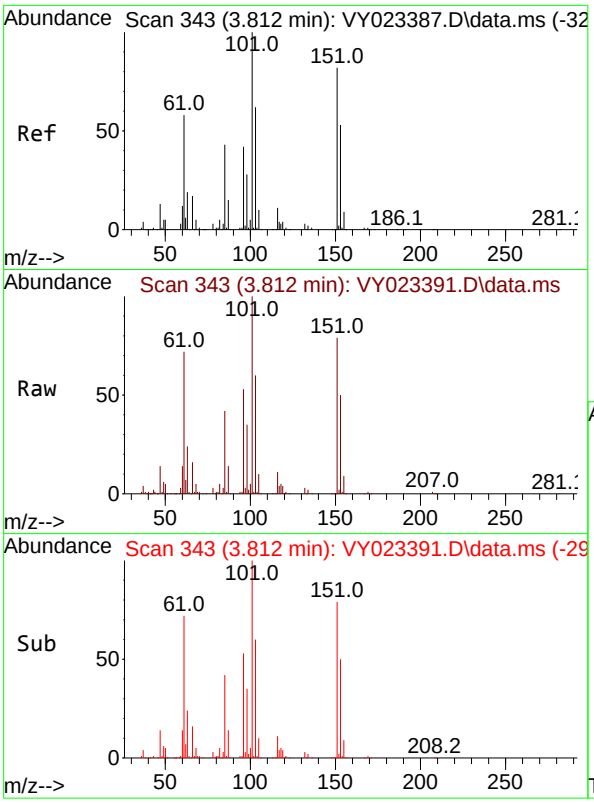


#8
Diethyl Ether
Concen: 51.050 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 74 Resp: 135857

Ion	Ratio	Lower	Upper
74	100		
45	80.1	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.728 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

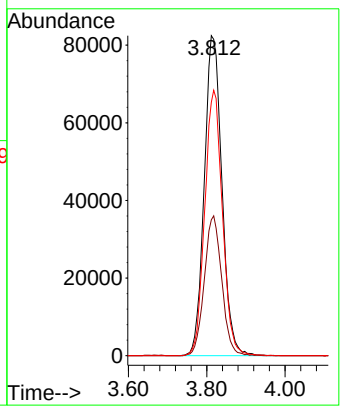
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

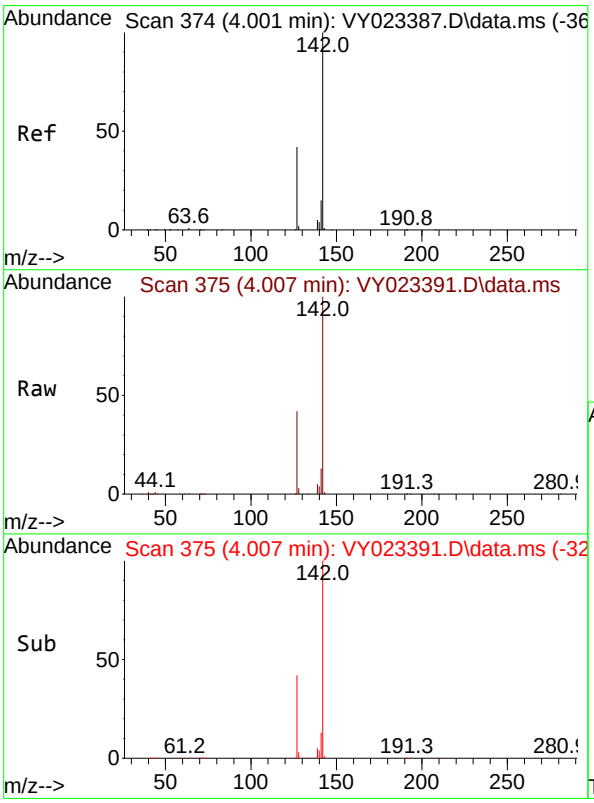
Tgt Ion:101 Resp: 25752

Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	83.2	67.0	100.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

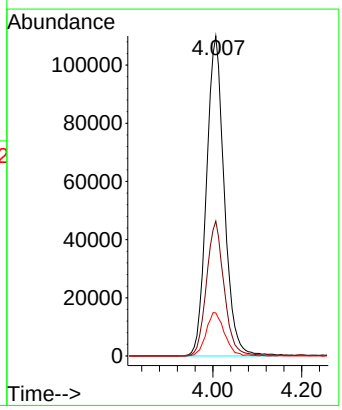


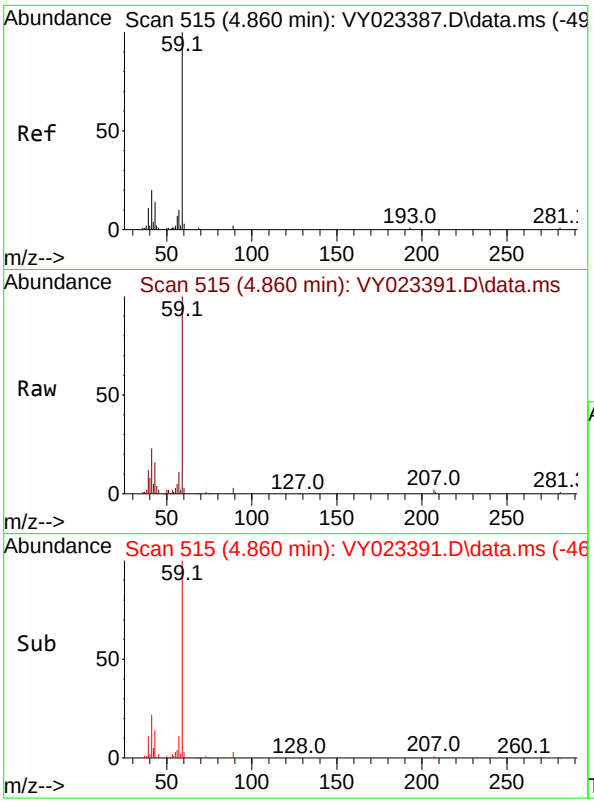


#10
Methyl Iodide
Concen: 51.875 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:142 Resp: 305209

Ion	Ratio	Lower	Upper
142	100		
127	41.8	34.8	52.2
141	14.1	11.6	17.4

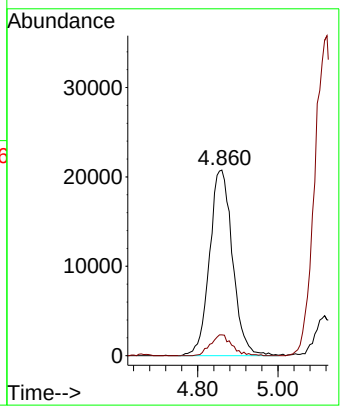




#11
Tert butyl alcohol
Concen: 231.079 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 59 Resp: 8256

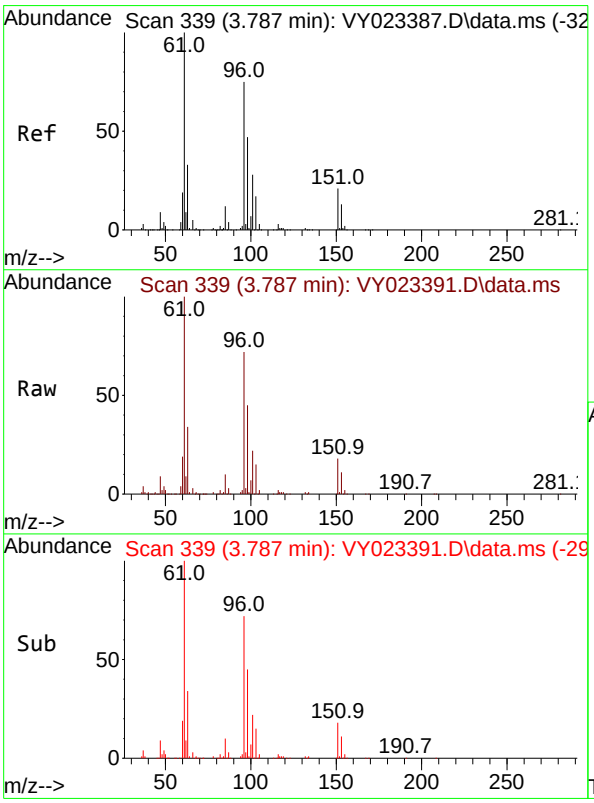
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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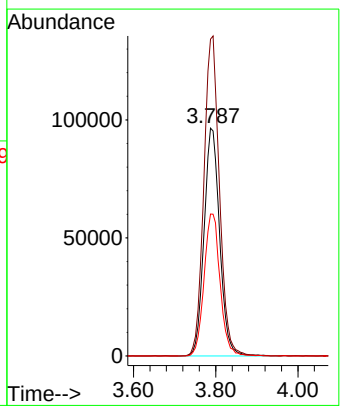
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

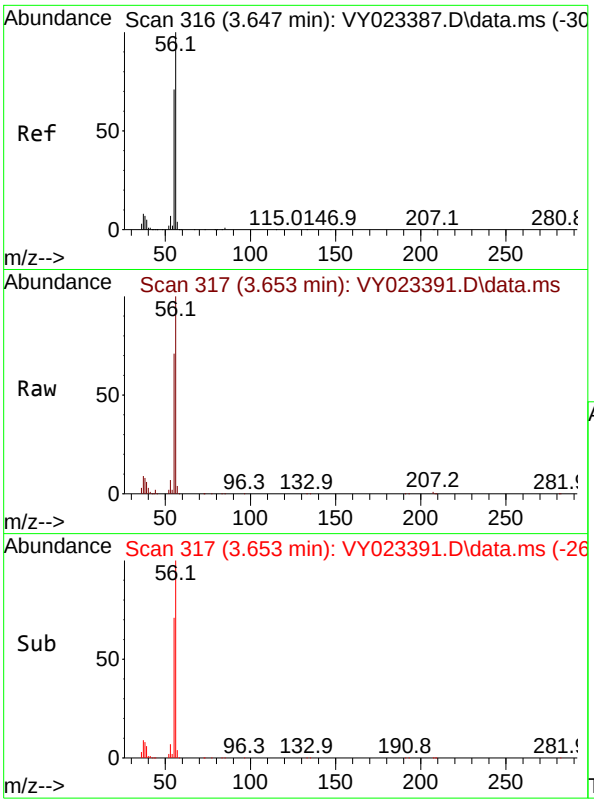


#12
1,1-Dichloroethene
Concen: 49.653 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 96 Resp: 254382

Ion	Ratio	Lower	Upper
96	100		
61	139.1	106.7	160.1
98	62.3	50.2	75.4

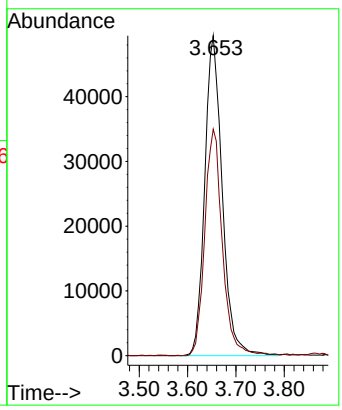




#13
Acrolein
Concen: 246.184 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 56 Resp: 12428

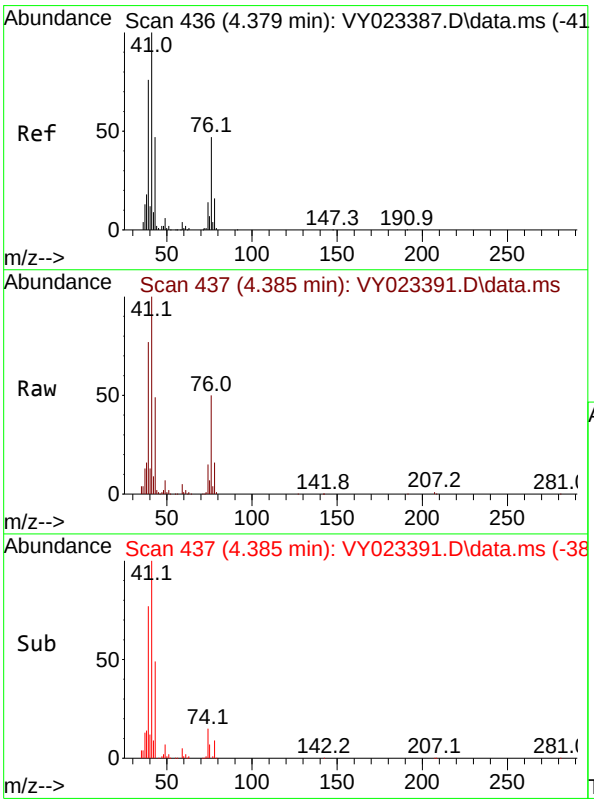
Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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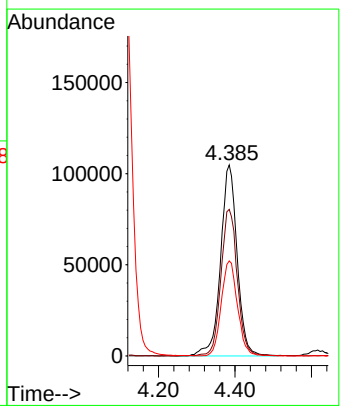
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

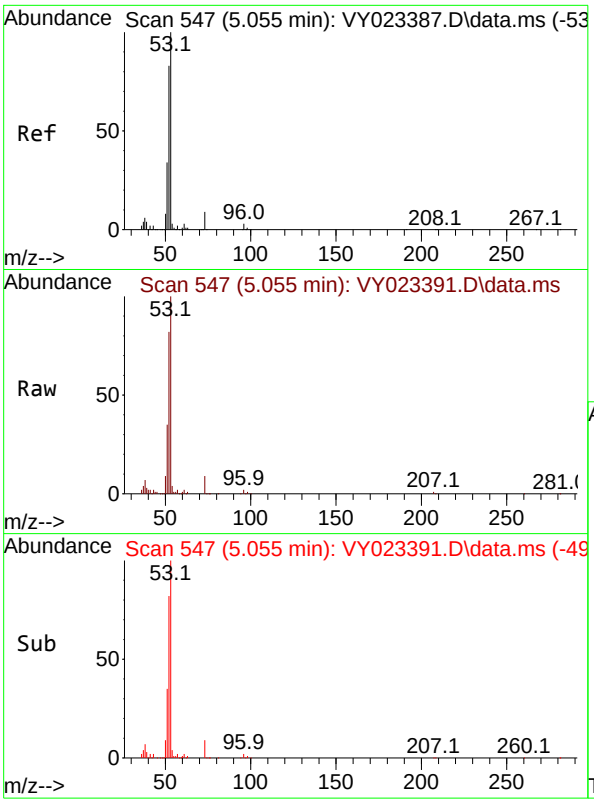


#14
Allyl chloride
Concen: 50.645 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 41 Resp: 316213

Ion	Ratio	Lower	Upper
41	100		
39	76.2	59.9	89.9
76	48.1	38.0	57.0

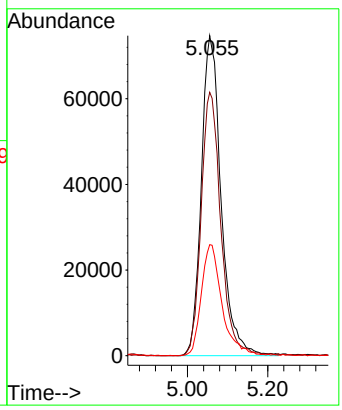




#15
Acrylonitrile
Concen: 251.575 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 53 Resp: 25621

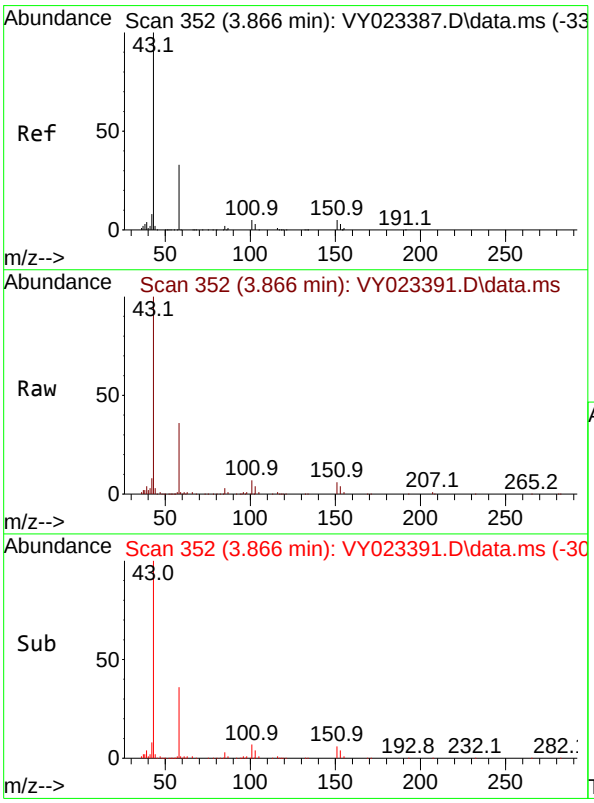
Ion	Ratio	Lower	Upper
53	100		
52	81.7	64.6	97.0
51	36.4	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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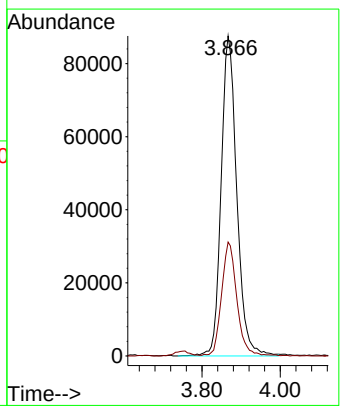
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

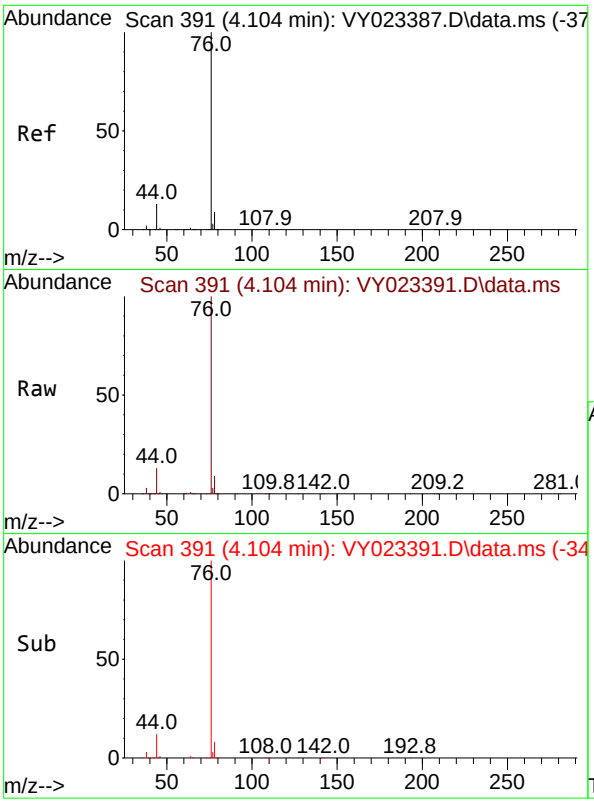


#16
Acetone
Concen: 212.910 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 243433

Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.7	41.5

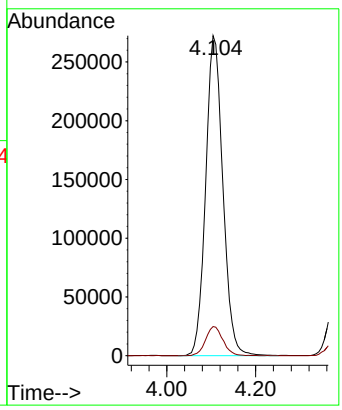




#17
Carbon Disulfide
Concen: 50.021 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 76 Resp: 73345

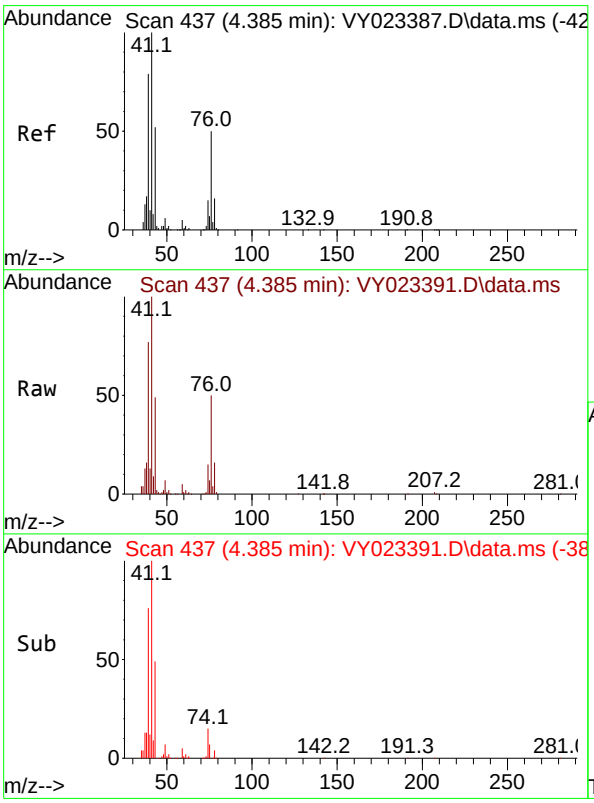
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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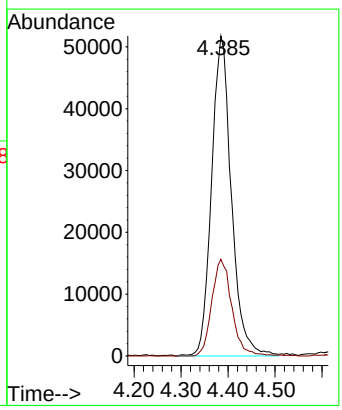
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

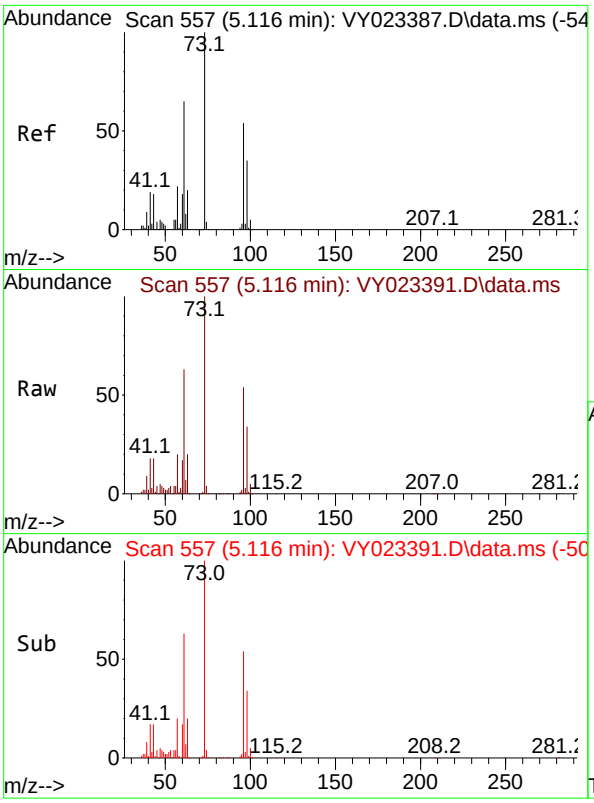


#18
Methyl Acetate
Concen: 50.439 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 151281

Ion	Ratio	Lower	Upper
43	100		
74	30.5	24.2	36.4

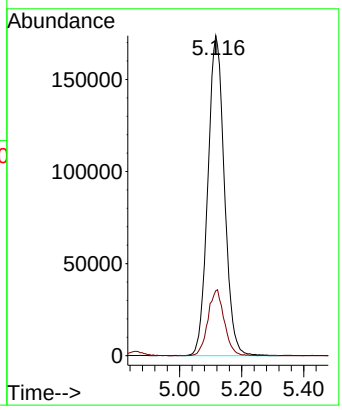




#19
Methyl tert-butyl Ether
Concen: 52.230 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 73 Resp: 64311

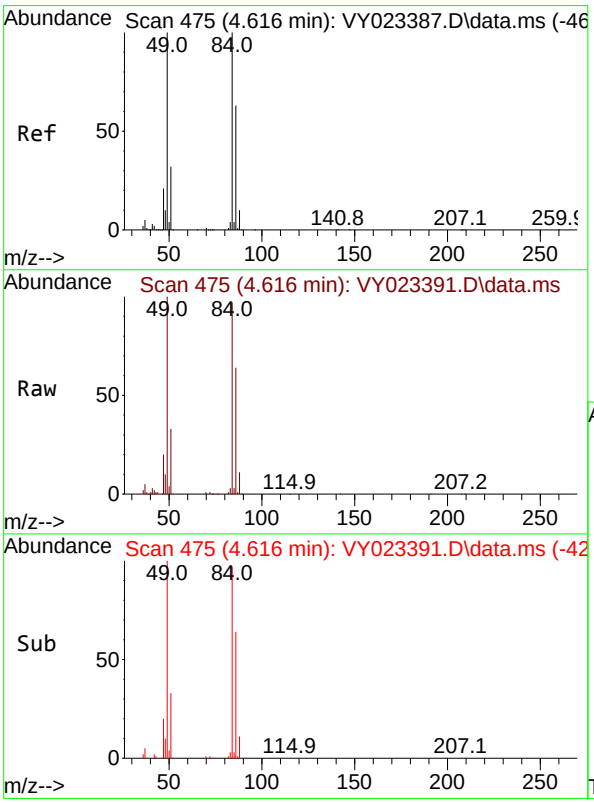
Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

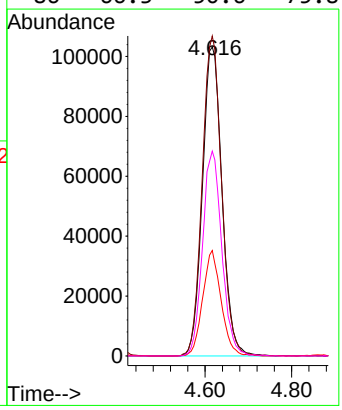
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

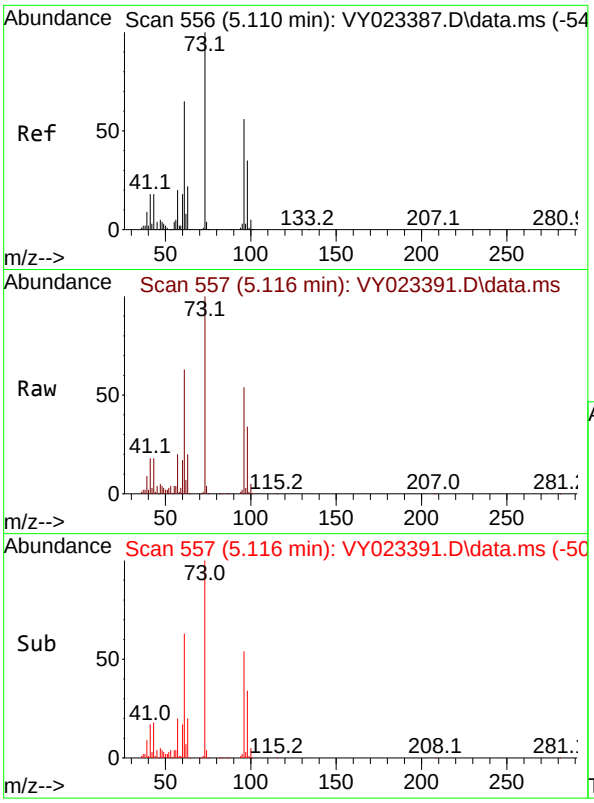


#20
Methylene Chloride
Concen: 52.503 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 84 Resp: 324604

Ion	Ratio	Lower	Upper
84	100		
49	103.5	80.2	120.4
51	34.1	25.9	38.9
86	66.3	50.6	75.8

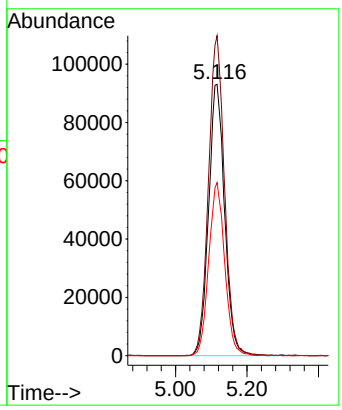




#21
trans-1,2-Dichloroethene
Concen: 51.482 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 96 Resp: 29038

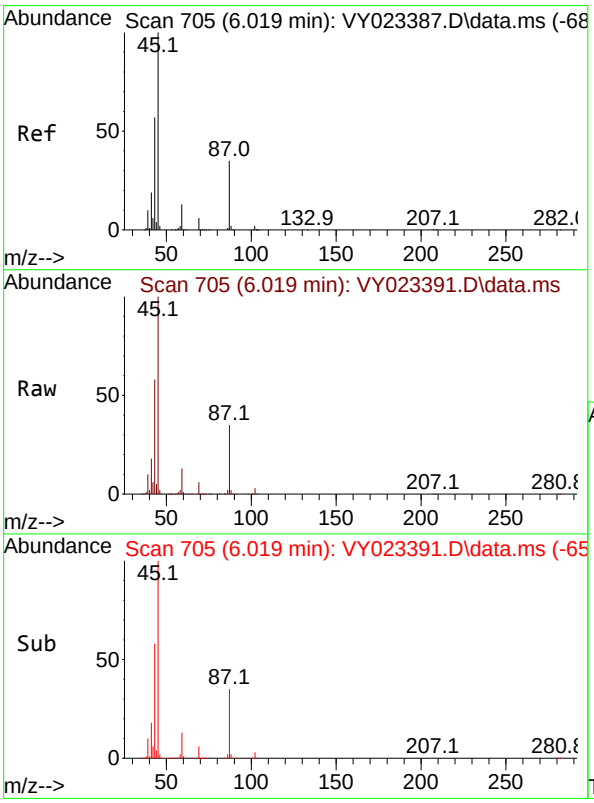
Ion	Ratio	Lower	Upper
96	100		
61	117.9	92.7	139.1
98	63.8	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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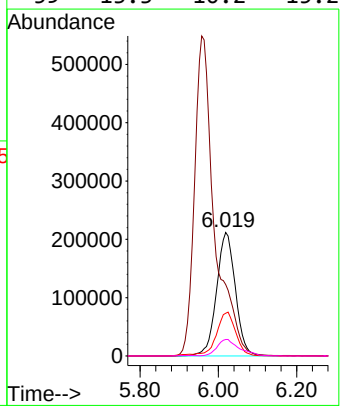
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

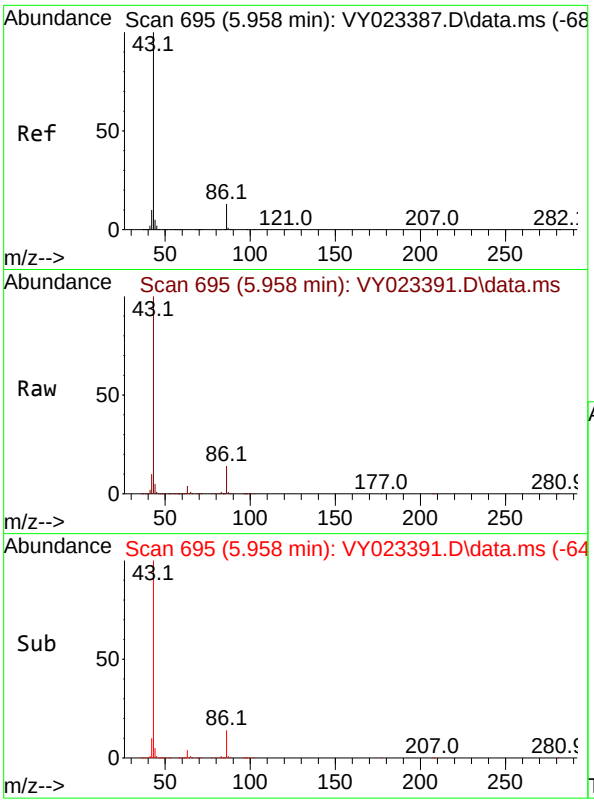


#22
Diisopropyl ether
Concen: 51.364 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 45 Resp: 709381

Ion	Ratio	Lower	Upper
45	100		
43	57.4	45.6	68.4
87	34.6	28.1	42.1
59	13.3	10.2	15.2

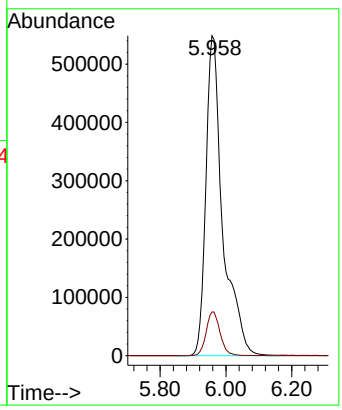




#23
Vinyl Acetate
Concen: 260.981 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 195096

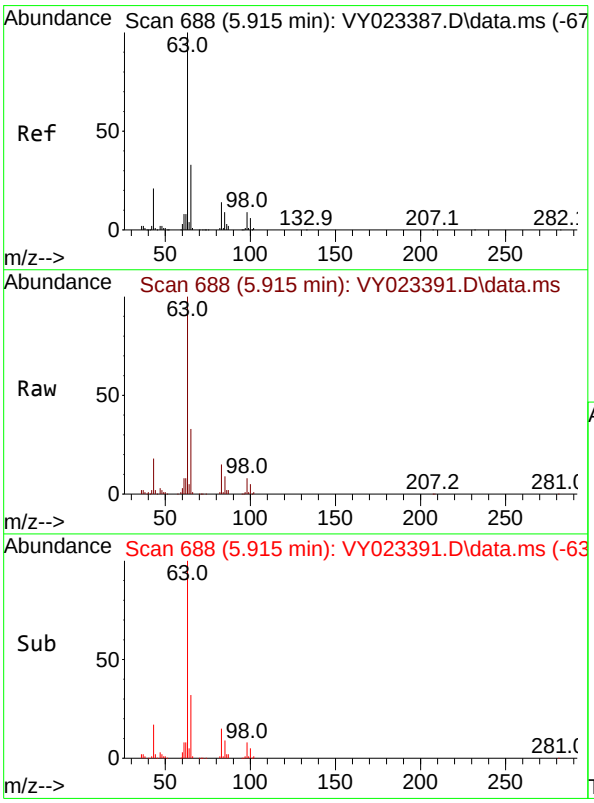
Ion	Ratio	Lower	Upper
43	100		
86	13.7	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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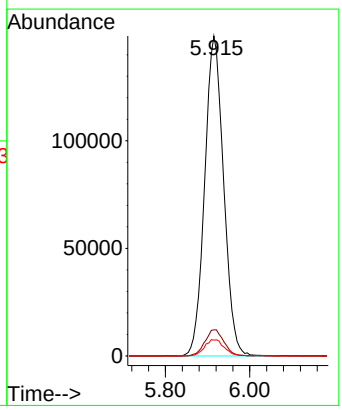
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

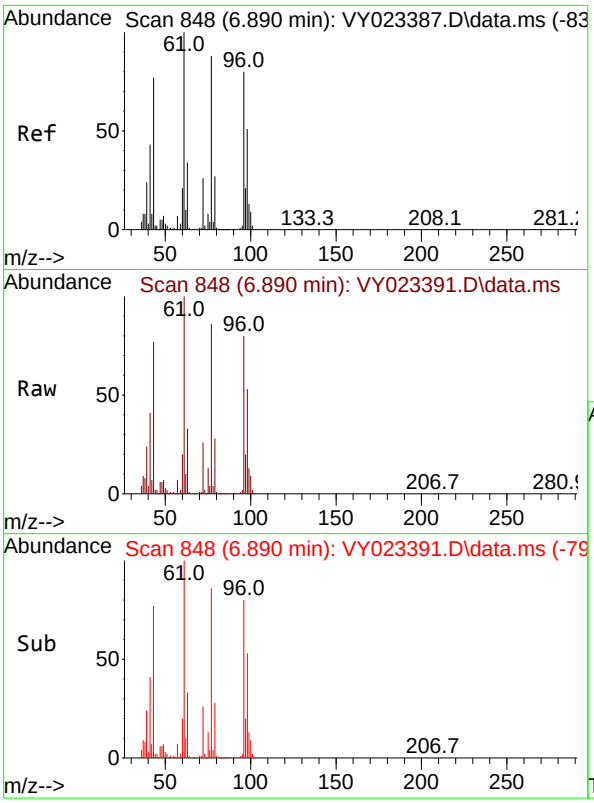


#24
1,1-Dichloroethane
Concen: 50.742 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 63 Resp: 464207

Ion	Ratio	Lower	Upper
63	100		
98	8.1	4.3	13.1
100	5.0	2.8	8.4





#25
2-Butanone
Concen: 233.083 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

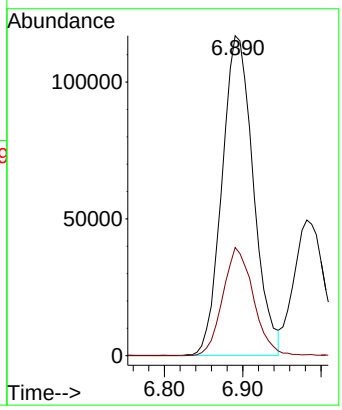
Tgt Ion: 43 Resp: 32535

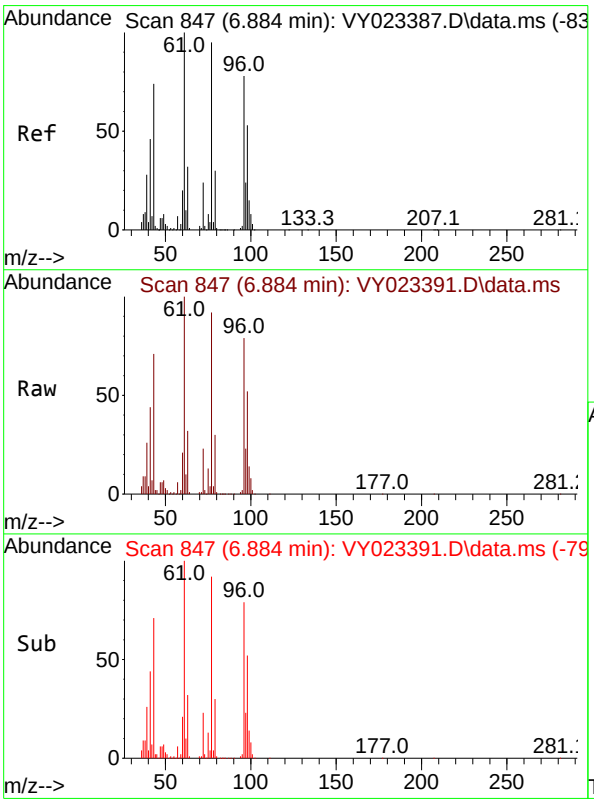
Ion	Ratio	Lower	Upper
43	100		
72	33.8	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

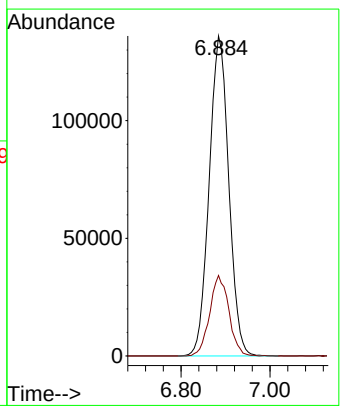


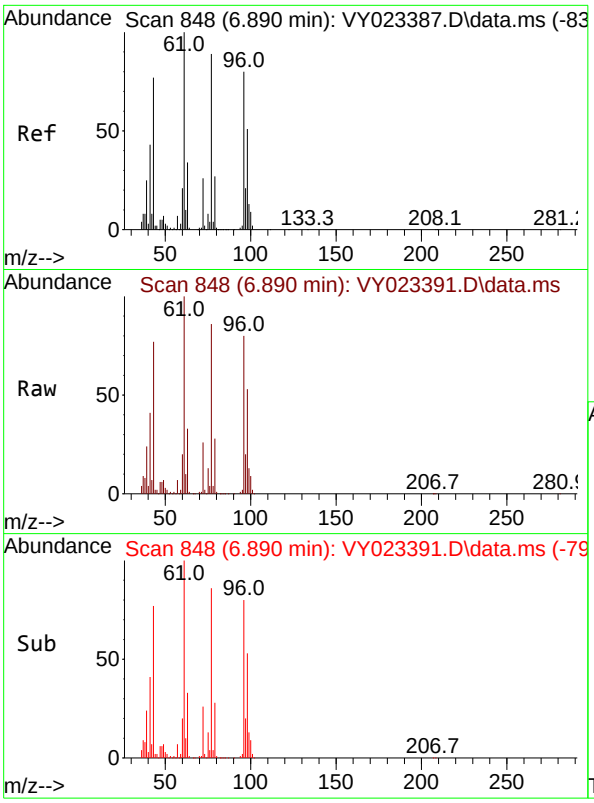


#26
2,2-Dichloropropane
Concen: 49.626 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 77 Resp: 416585

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.1	36.3

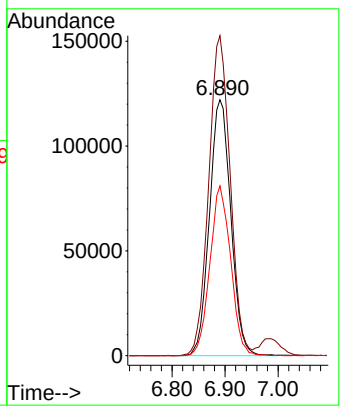




#27
cis-1,2-Dichloroethene
Concen: 52.485 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 96 Resp: 34196

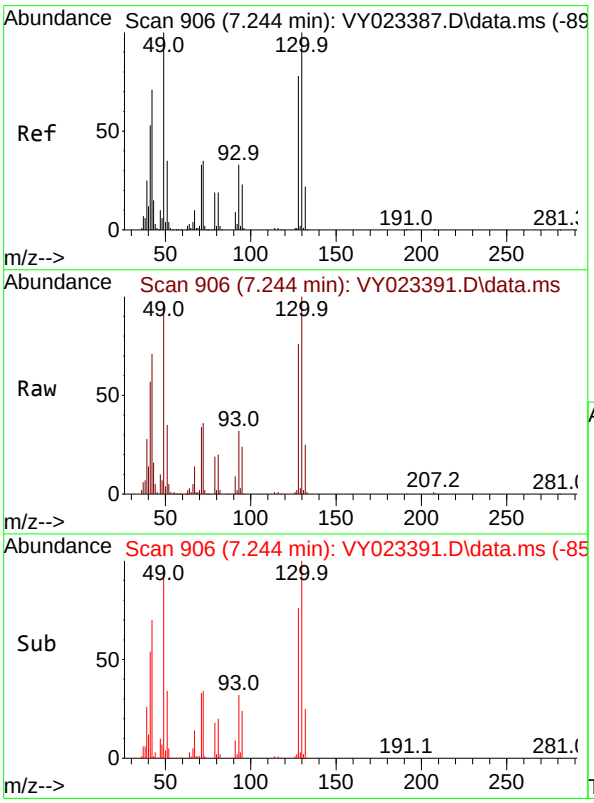
Ion	Ratio	Lower	Upper
96	100		
61	125.5	0.0	258.2
98	64.3	0.0	132.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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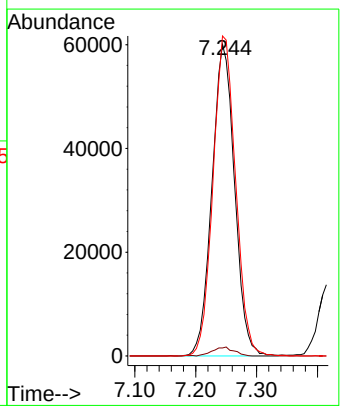
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

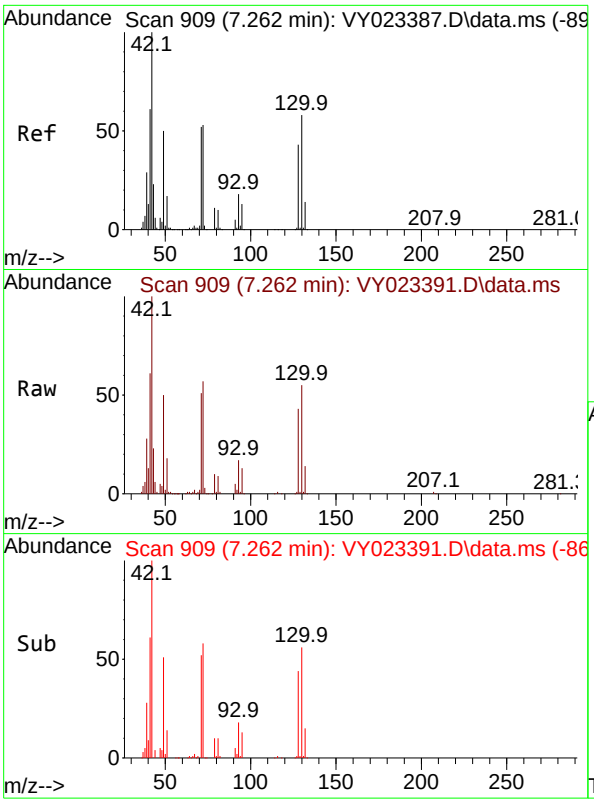


#28
Bromochloromethane
Concen: 45.427 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 49 Resp: 155146

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	102.6	81.9	122.9

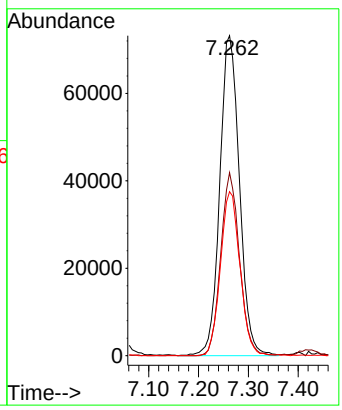




#29
Tetrahydrofuran
Concen: 253.317 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 42 Resp: 20051

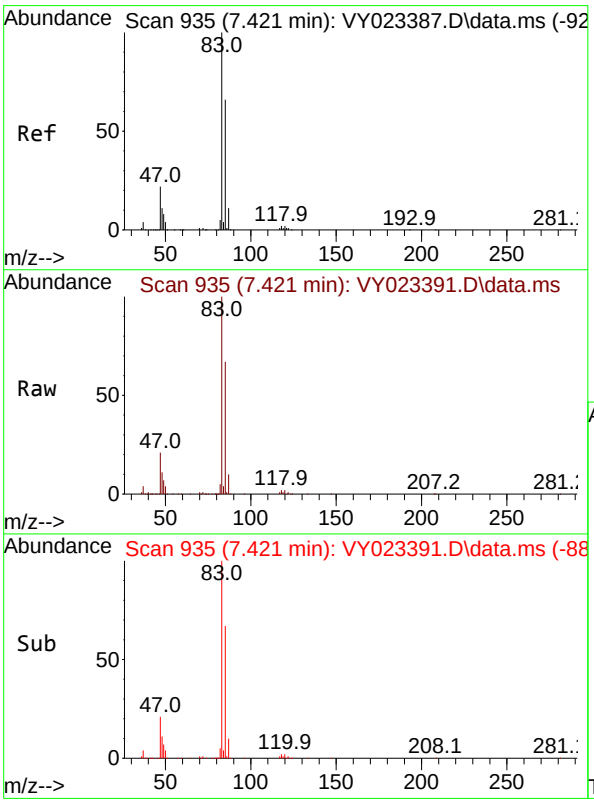
Ion	Ratio	Lower	Upper
42	100		
72	54.6	43.0	64.6
71	51.1	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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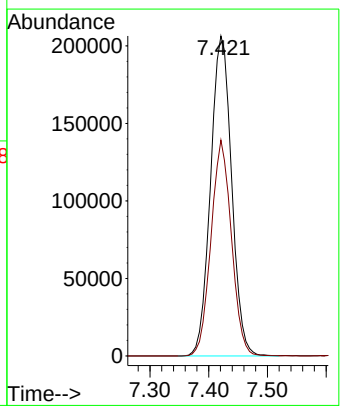
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

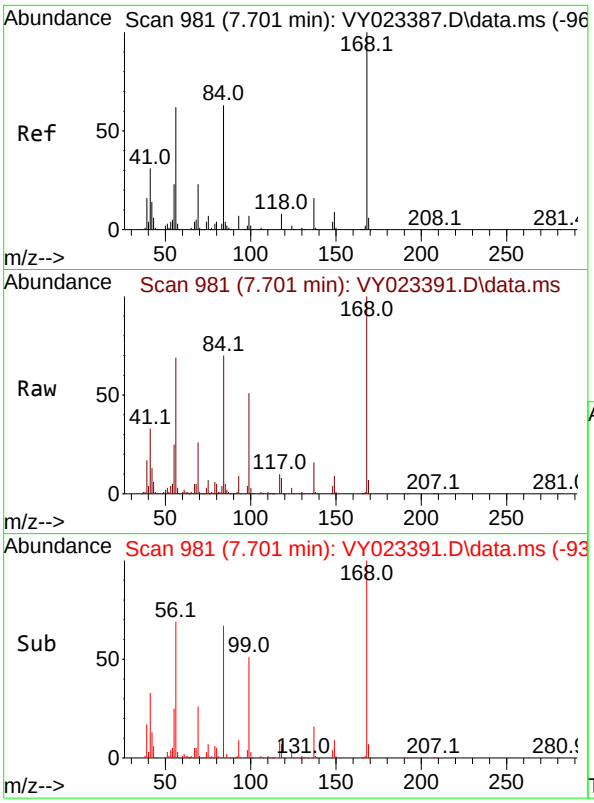


#30
Chloroform
Concen: 51.137 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 83 Resp: 513997

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.5	78.7





#31
Cyclohexane
Concen: 47.416 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

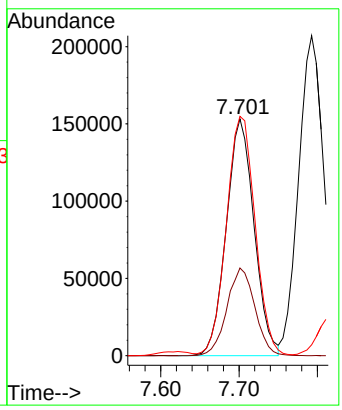
Tgt Ion: 56 Resp: 37881

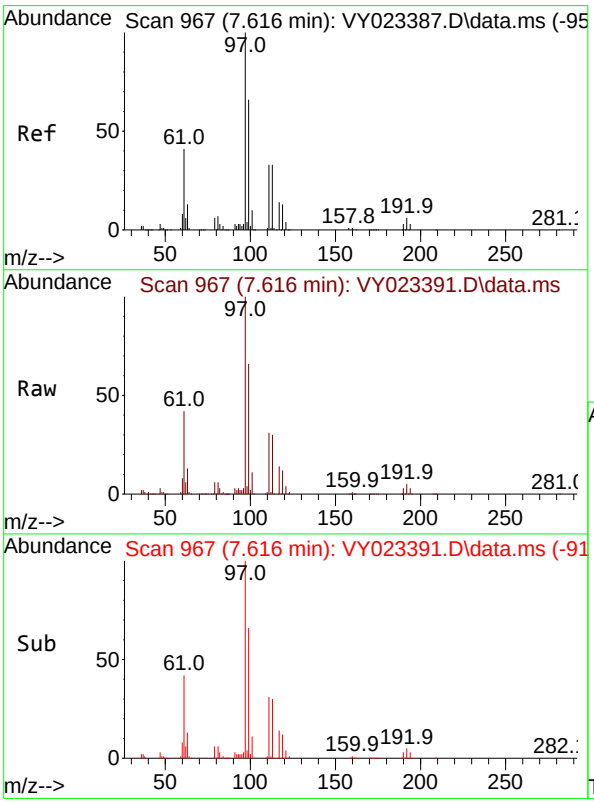
Ion	Ratio	Lower	Upper
56	100		
69	37.1	30.0	45.0
84	99.4	81.2	121.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

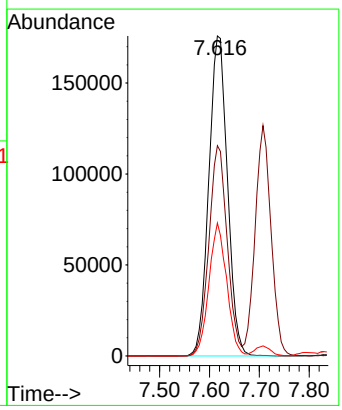


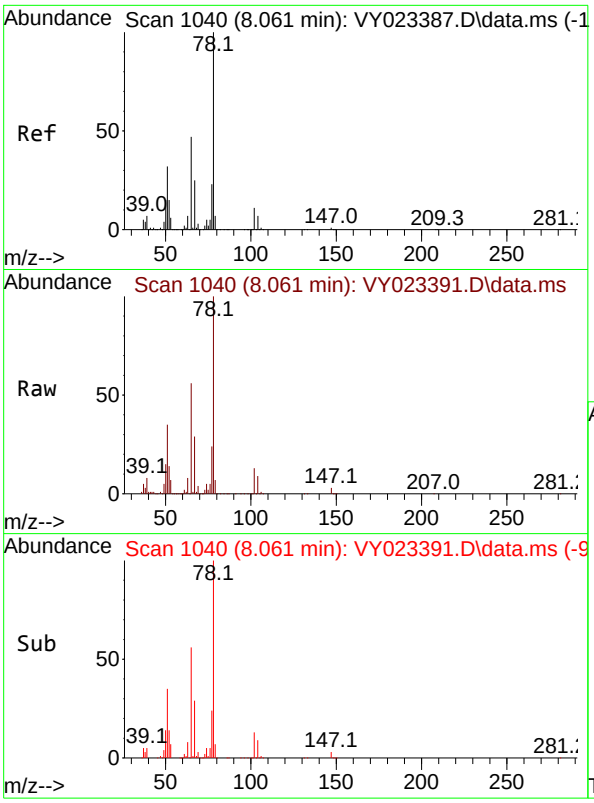


#32
1,1,1-Trichloroethane
Concen: 49.934 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 97 Resp: 456112

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	39.8	31.9	47.9





#33
1,2-Dichloroethane-d4
Concen: 49.450 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

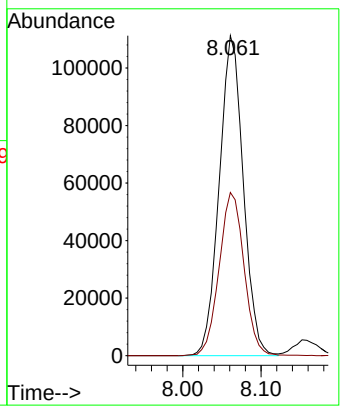
Tgt Ion: 65 Resp: 23749

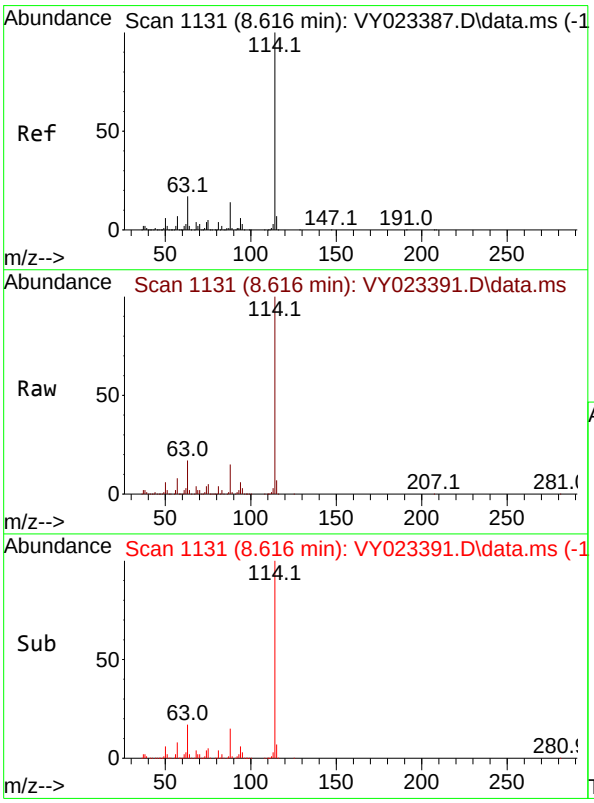
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

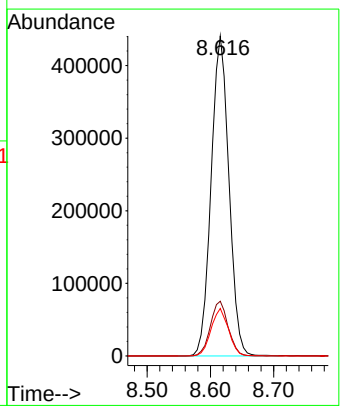


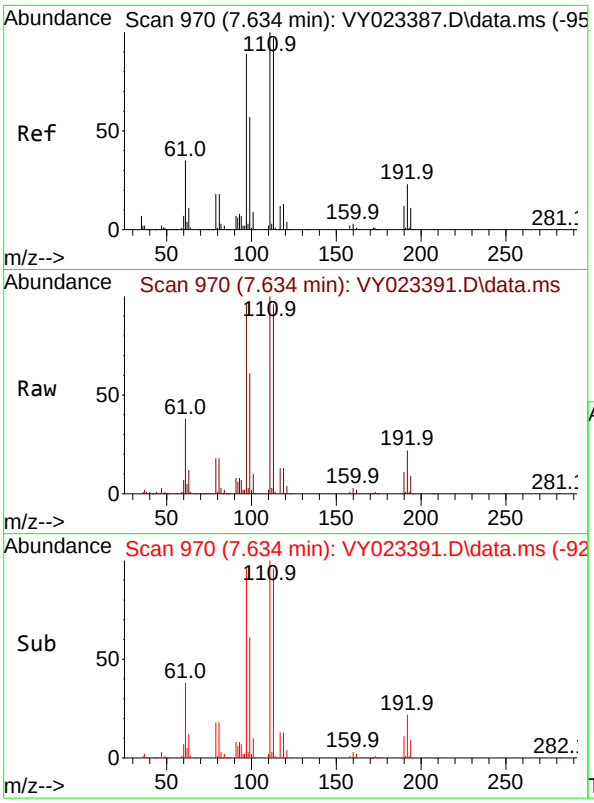


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:114 Resp: 861639

Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	34.2
88	14.9	0.0	28.4





#35
Dibromofluoromethane
Concen: 49.116 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

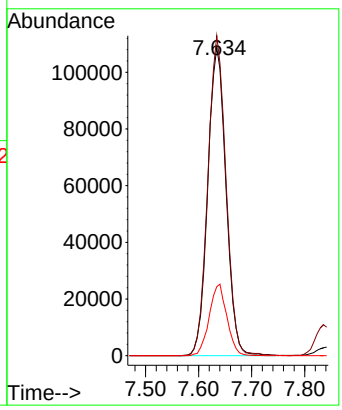
Tgt Ion:113 Resp: 26003

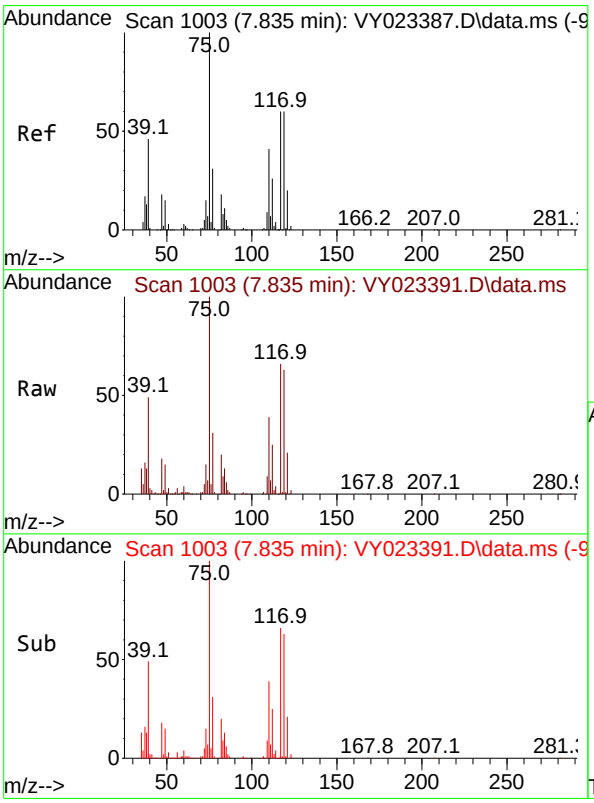
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	22.5	18.0	27.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

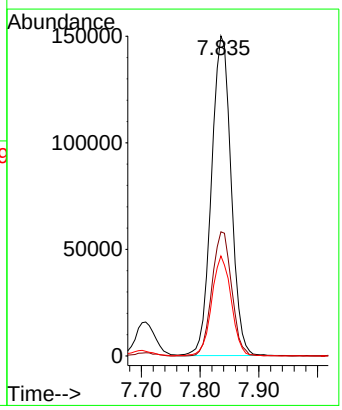


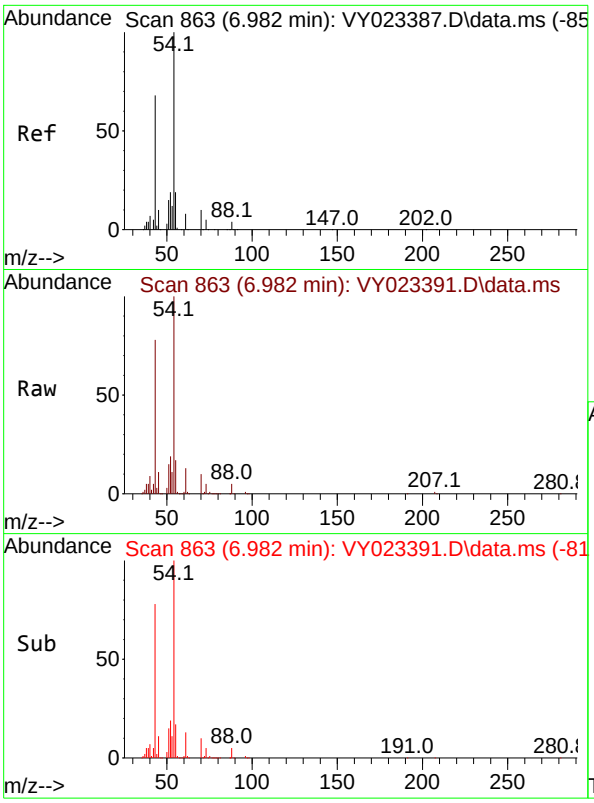


#36
1,1-Dichloropropene
Concen: 49.761 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 348786

Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.9	59.7
77	31.0	25.0	37.6





#37
Ethyl Acetate
Concen: 49.740 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

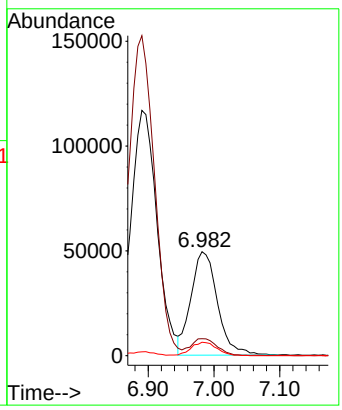
Tgt Ion: 43 Resp: 13811

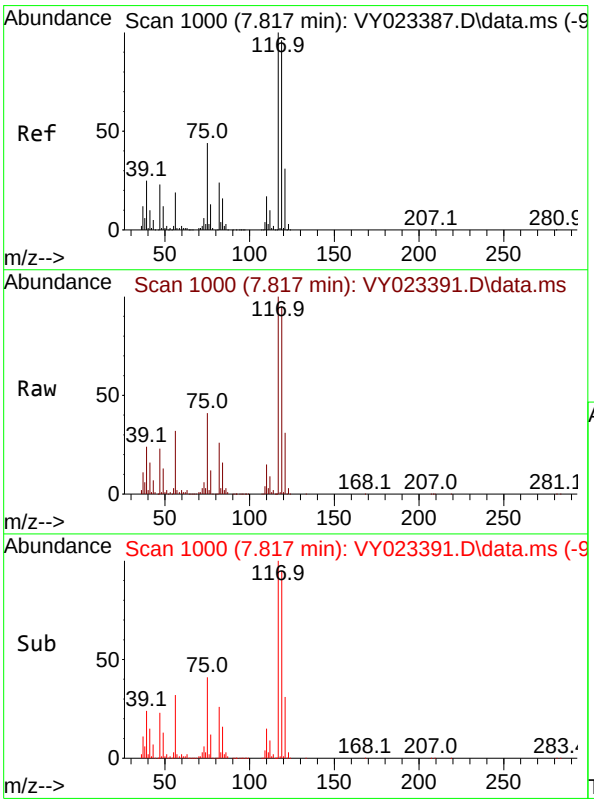
Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.8	17.8
70	12.7	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

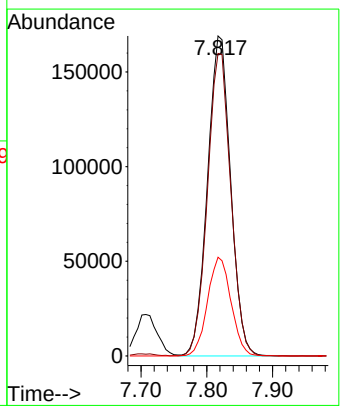


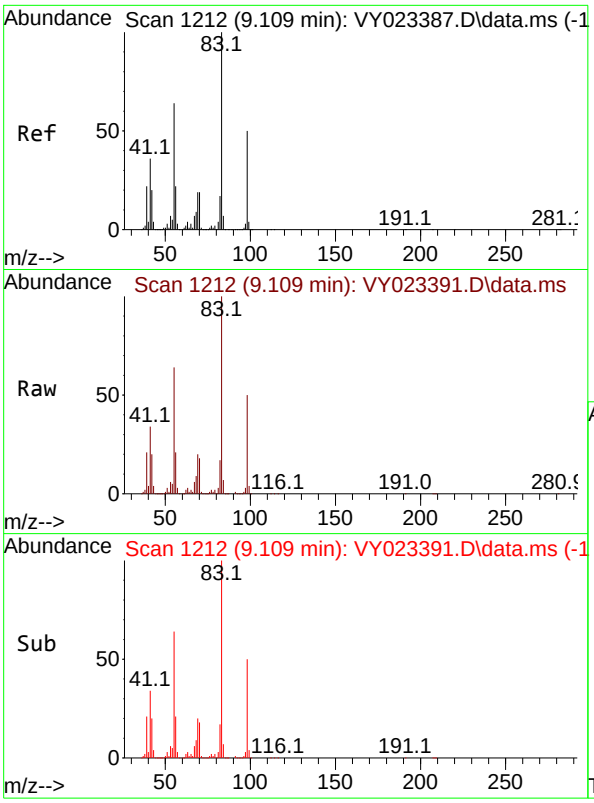


#38
Carbon Tetrachloride
Concen: 48.671 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:117 Resp: 413653

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.8	115.2
121	30.8	24.5	36.7

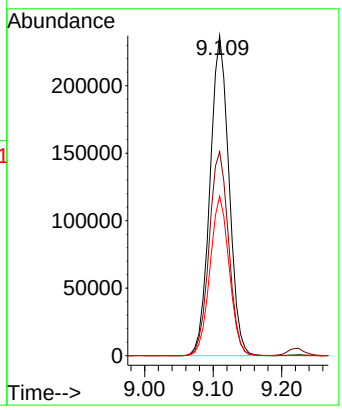




#39
Methylcyclohexane
Concen: 49.970 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 83 Resp: 45603

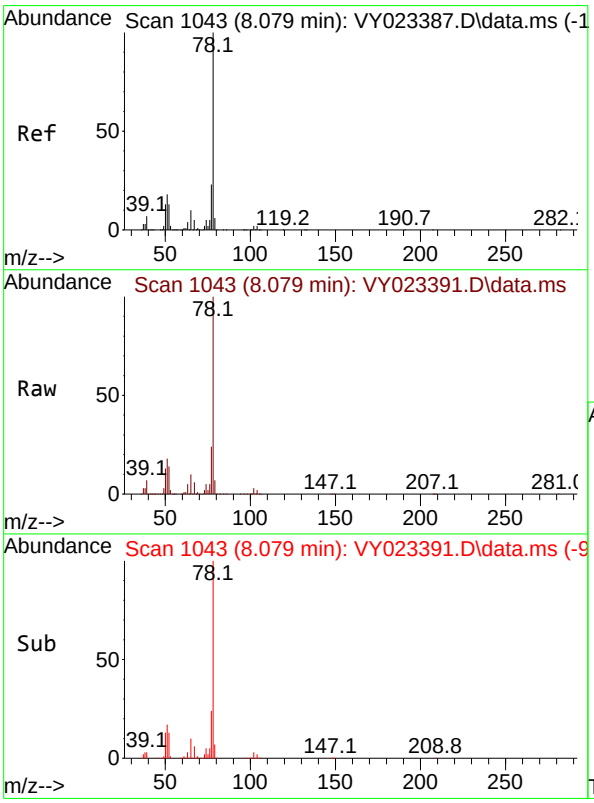
Ion	Ratio	Lower	Upper
83	100		
55	63.8	51.4	77.2
98	49.9	40.4	60.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

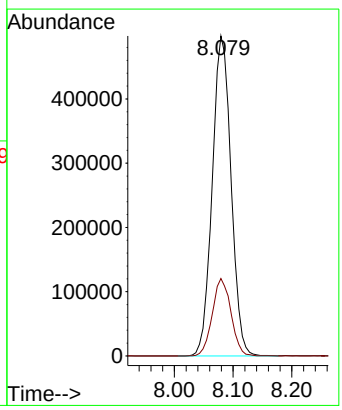
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

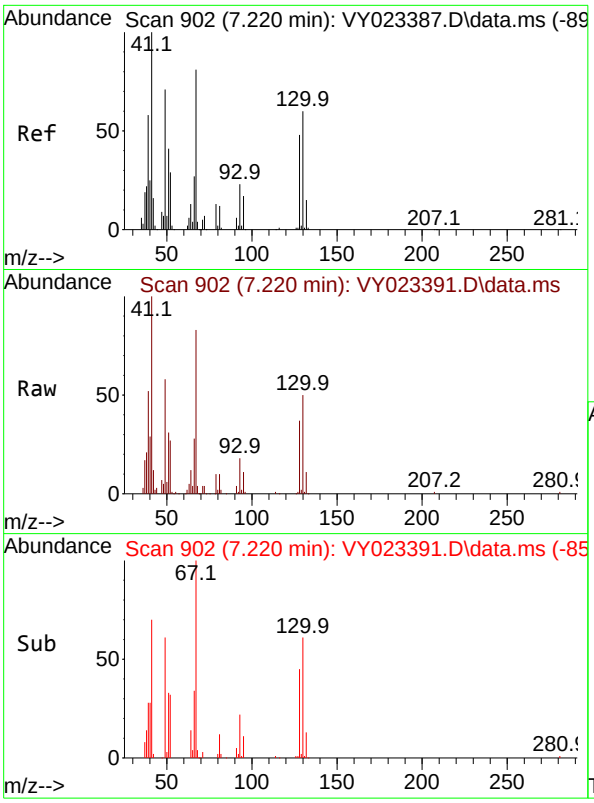


#40
Benzene
Concen: 49.906 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 78 Resp: 1107790

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.3	27.5

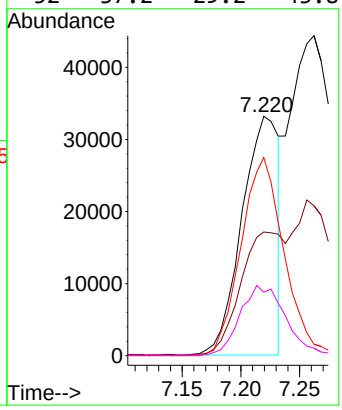




#41
Methacrylonitrile
Concen: 48.008 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 41 Resp: 7210

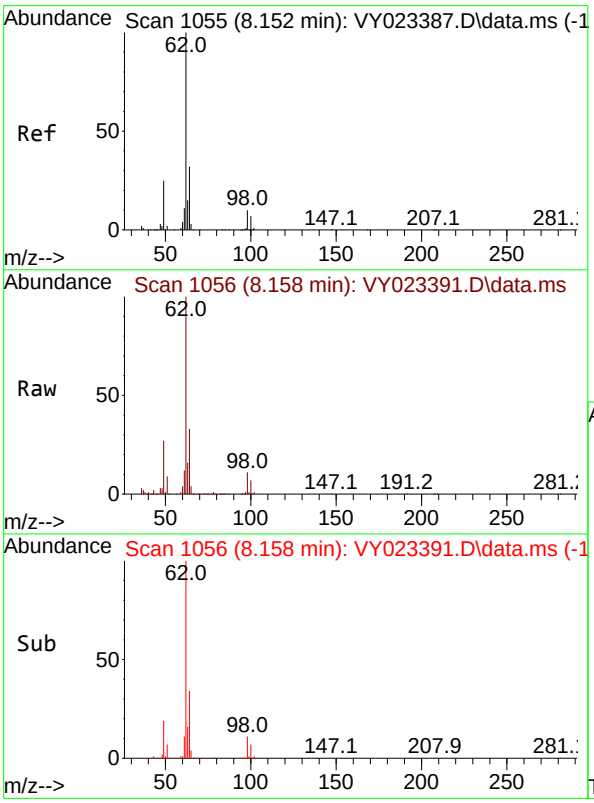
Ion	Ratio	Lower	Upper
41	100		
39	62.2	52.2	78.4
67	97.9	74.9	112.3
52	37.2	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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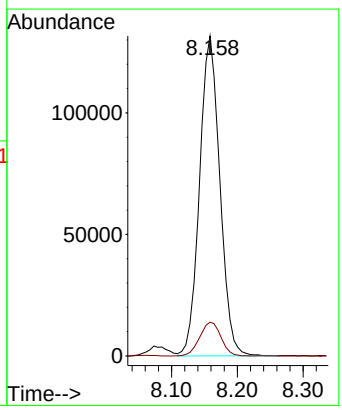
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

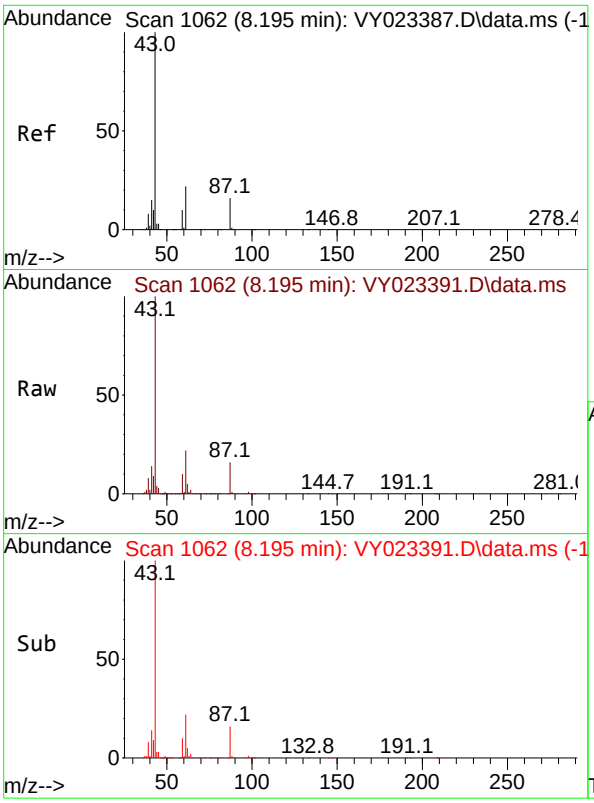


#42
1,2-Dichloroethane
Concen: 49.318 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 62 Resp: 282332

Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.6

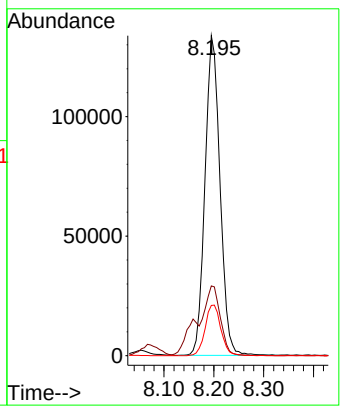




#43
Isopropyl Acetate
Concen: 50.548 ug/l
RT: 8.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 27988

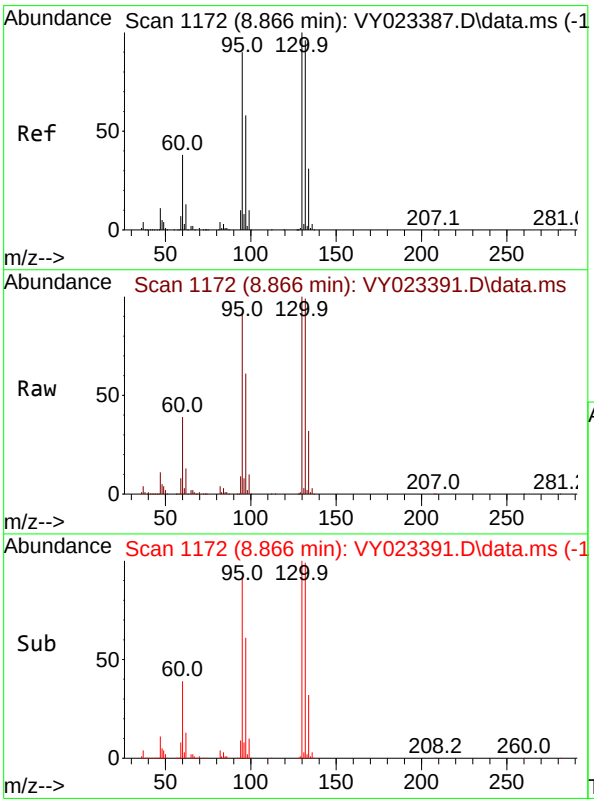
Ion	Ratio	Lower	Upper
43	100		
61	22.8	18.1	27.1
87	16.7	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

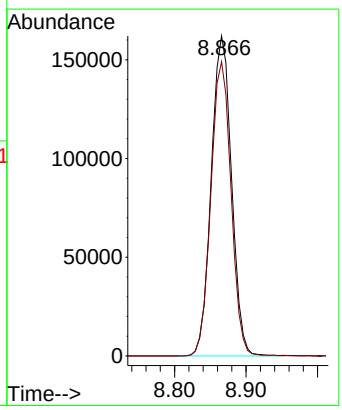
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

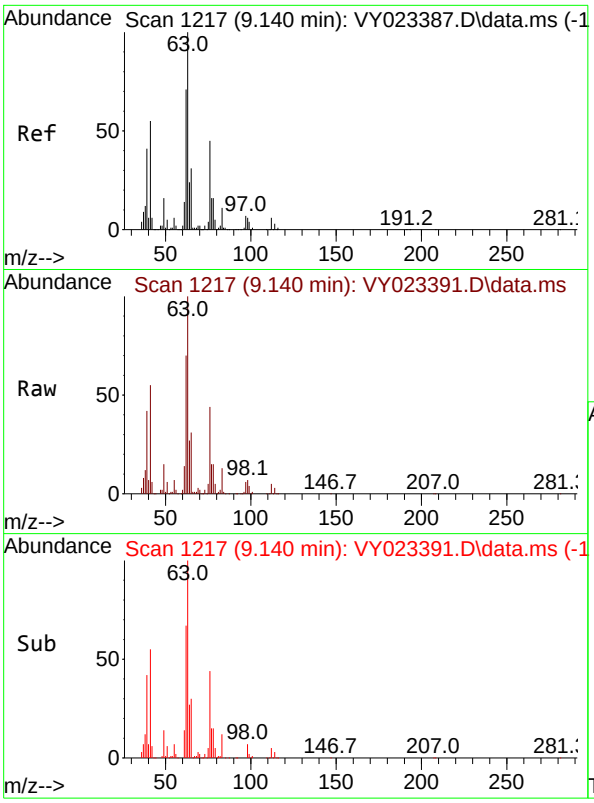


#44
Trichloroethene
Concen: 49.120 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:130 Resp: 319131

Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	180.6





#45
1,2-Dichloropropane
Concen: 50.355 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

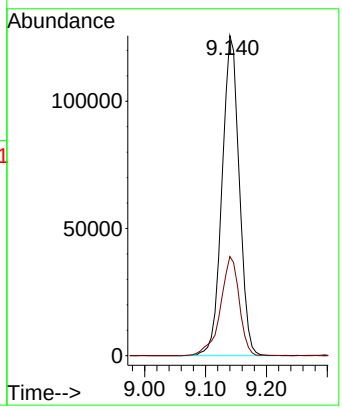
Tgt Ion: 63 Resp: 24688

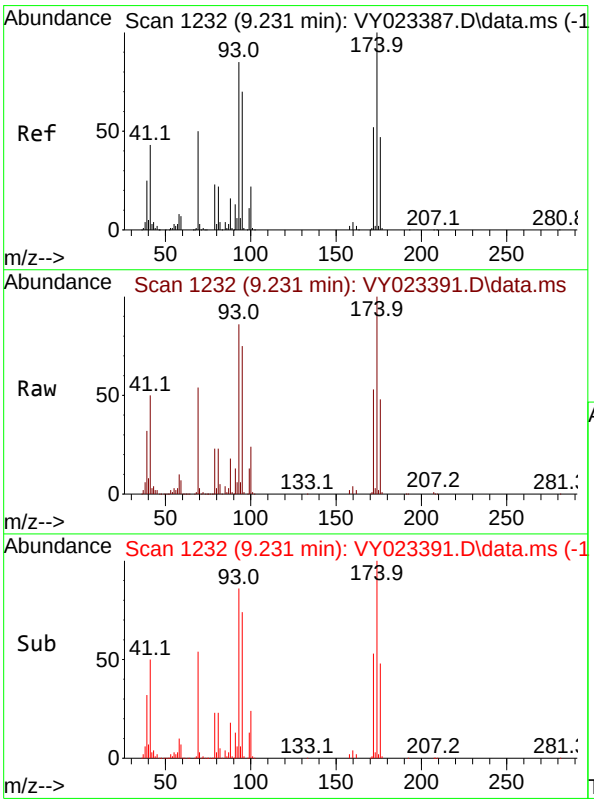
Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.9	37.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

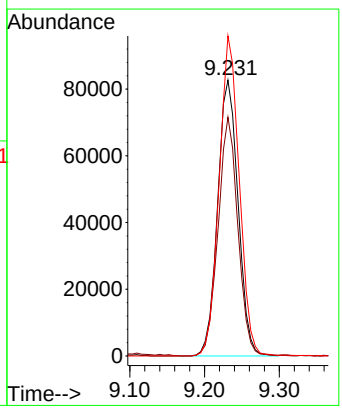


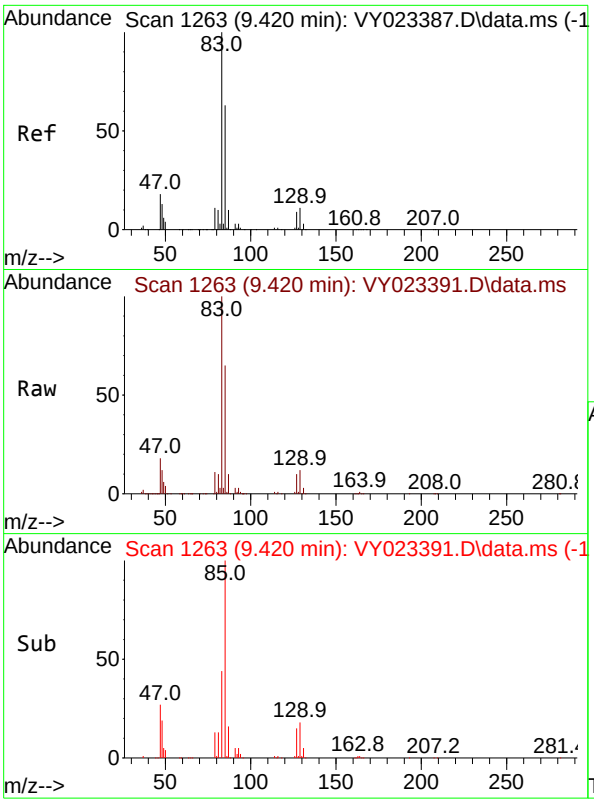


#46
Dibromomethane
Concen: 50.885 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 93 Resp: 157758

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.4	98.0
174	113.9	92.9	139.3

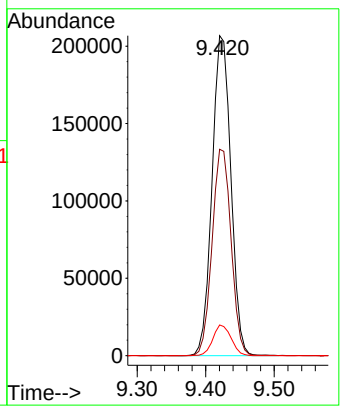




#47
Bromodichloromethane
Concen: 50.450 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 83 Resp: 39391

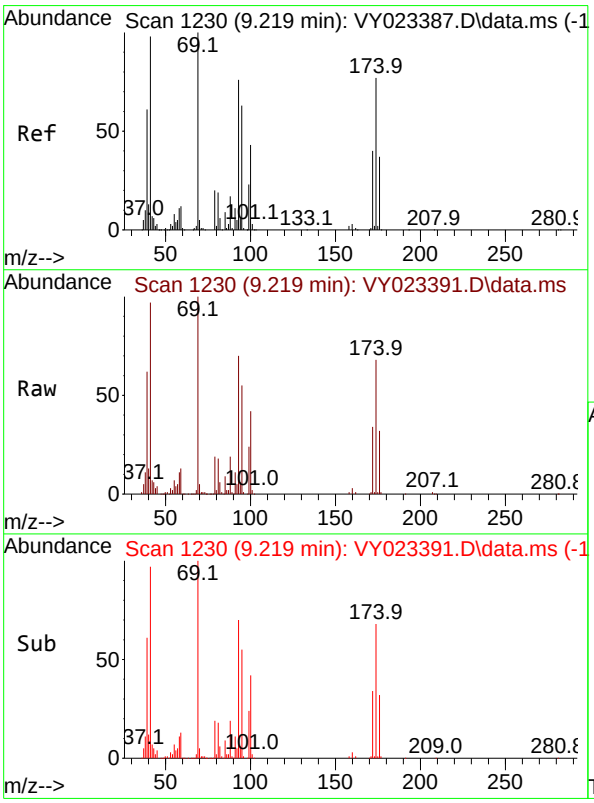
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.8	76.2
127	9.6	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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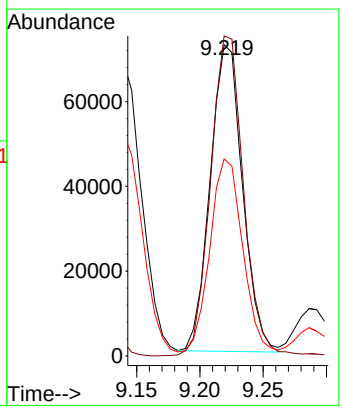
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

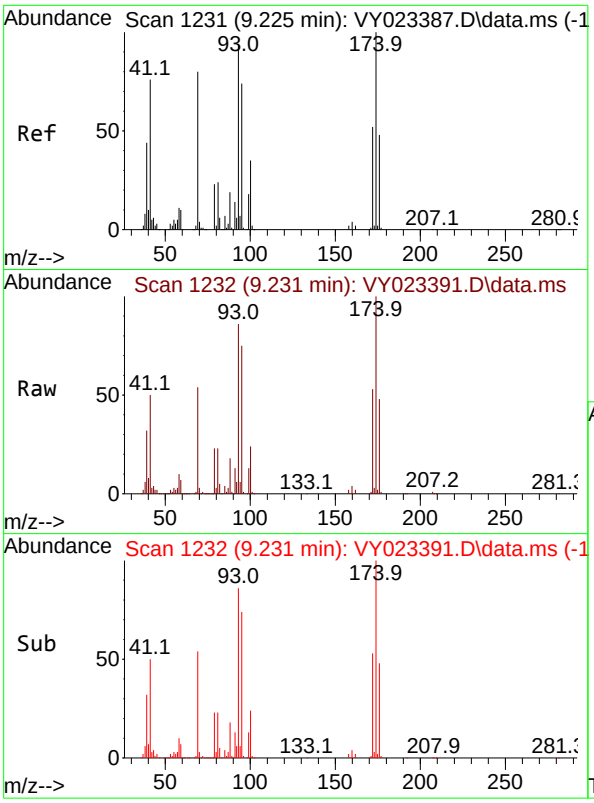


#48
Methyl methacrylate
Concen: 49.440 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 41 Resp: 128606

Ion	Ratio	Lower	Upper
41	100		
69	106.6	81.0	121.4
39	63.5	48.2	72.4

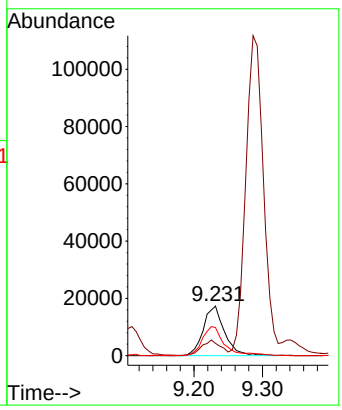




#49
1,4-Dioxane
Concen: 1039.252 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 88 Resp: 3735

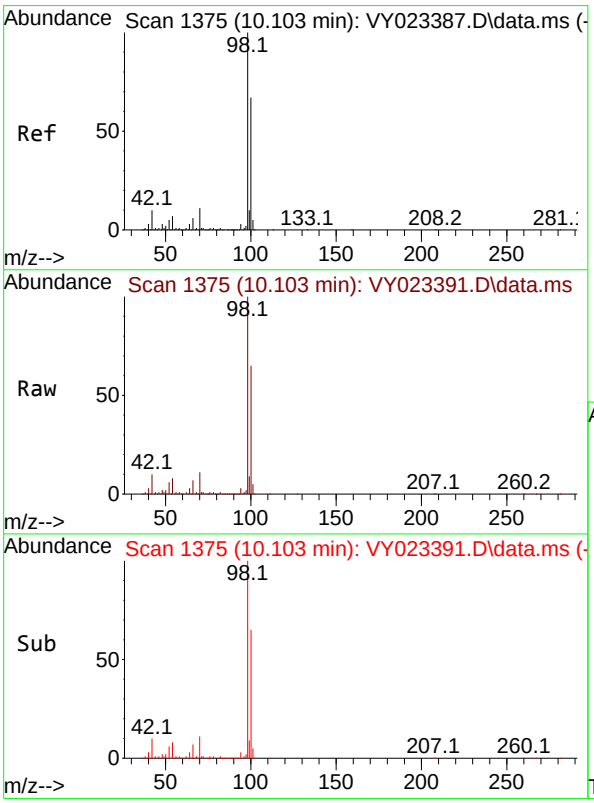
Ion	Ratio	Lower	Upper
88	100		
43	27.4	21.8	32.8
58	61.4	46.8	70.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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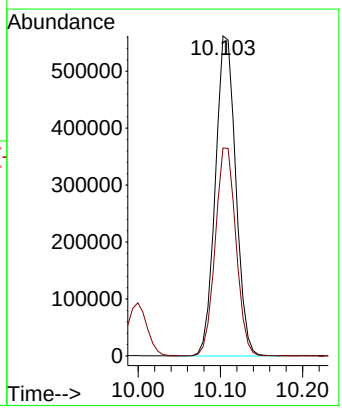
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

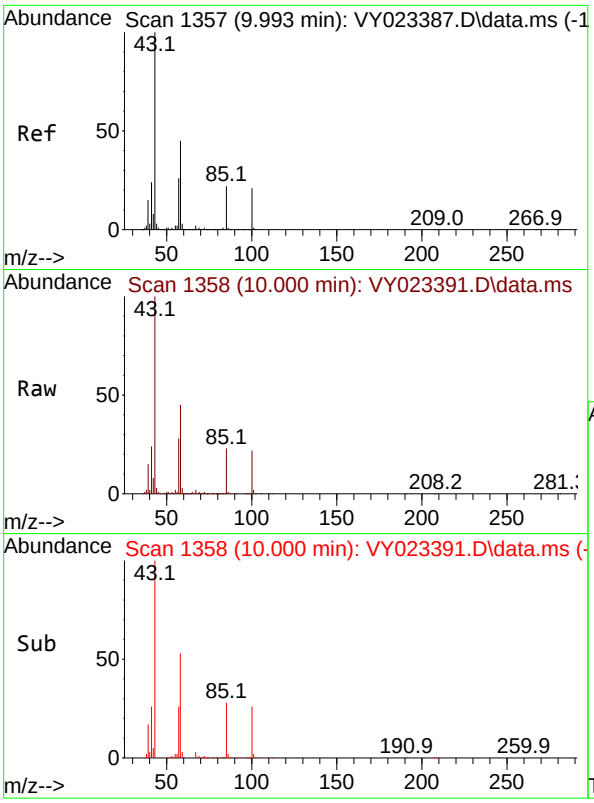


#50
Toluene-d8
Concen: 49.228 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 98 Resp: 970614

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4

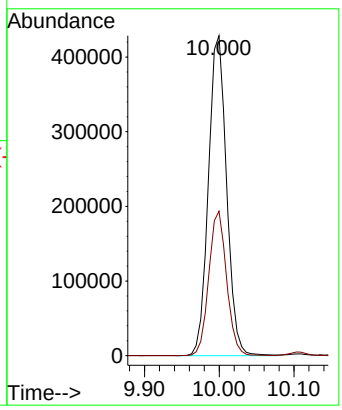




#51
4-Methyl-2-Pentanone
Concen: 253.421 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 72499

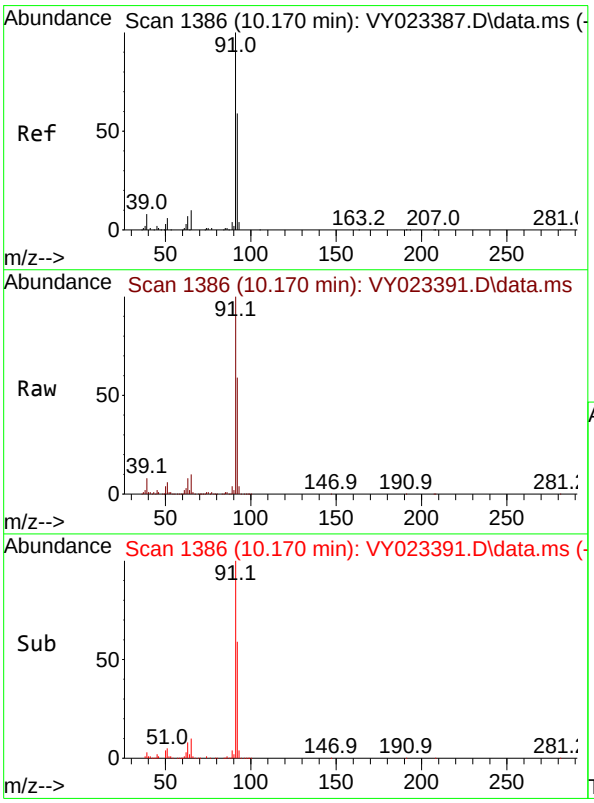
Ion	Ratio	Lower	Upper
43	100		
58	44.4	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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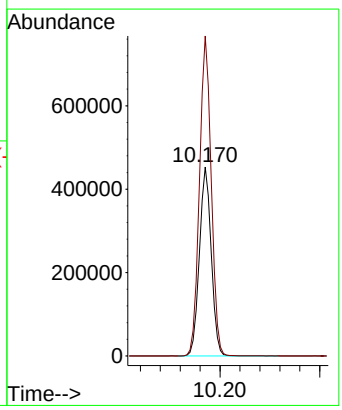
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

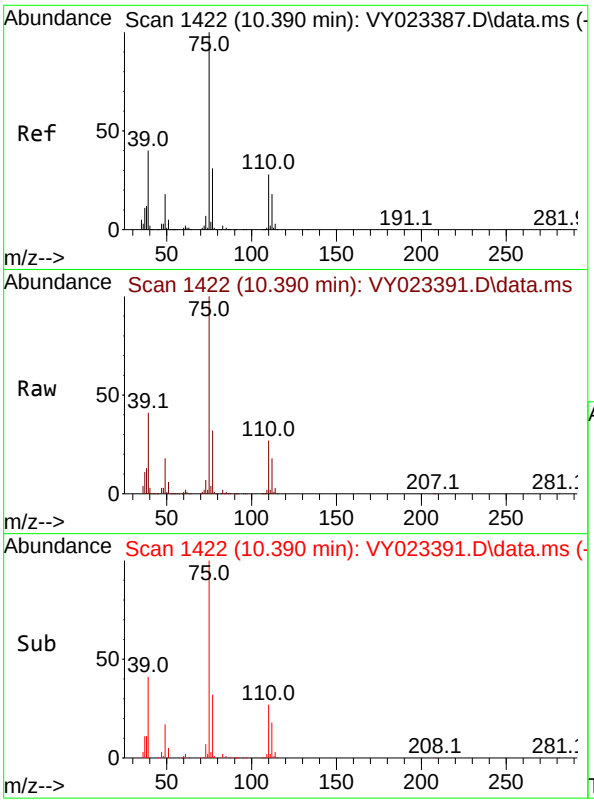


#52
Toluene
Concen: 51.556 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 92 Resp: 743055

Ion	Ratio	Lower	Upper
92	100		
91	168.9	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 51.160 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

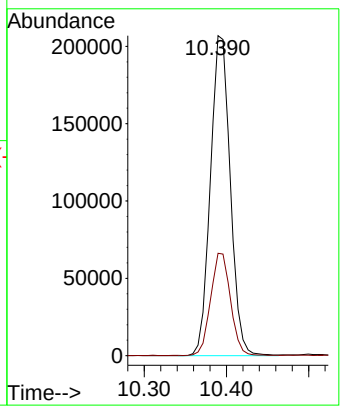
Tgt Ion: 75 Resp: 34733

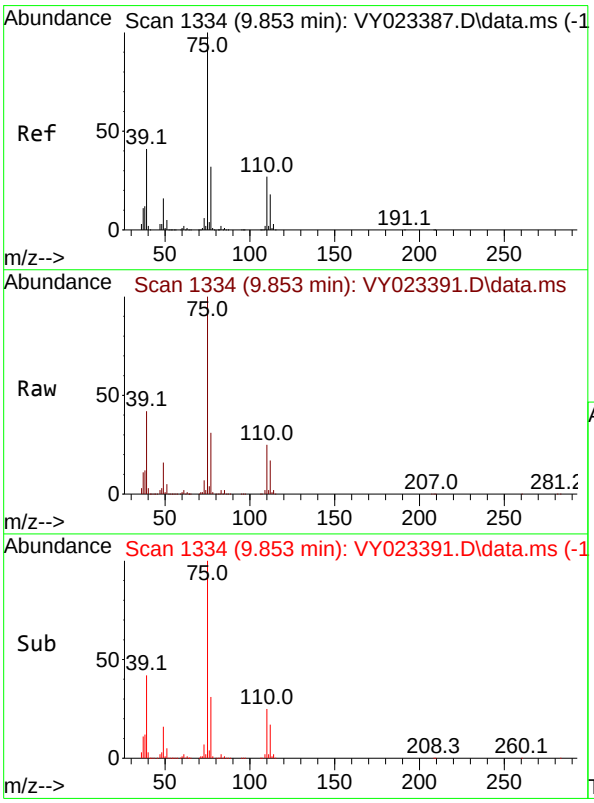
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

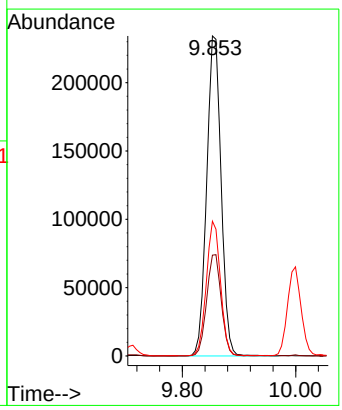


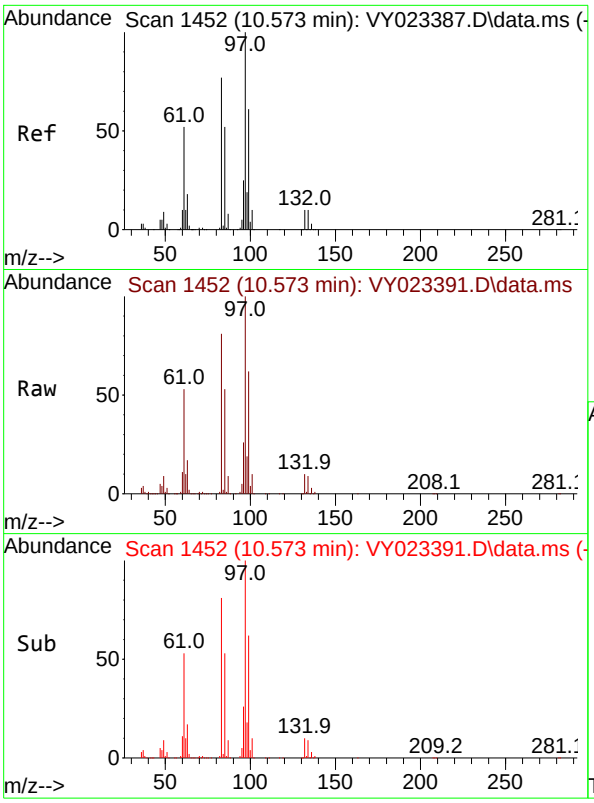


#54
cis-1,3-Dichloropropene
Concen: 51.649 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 413860

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	42.1	32.8	49.2

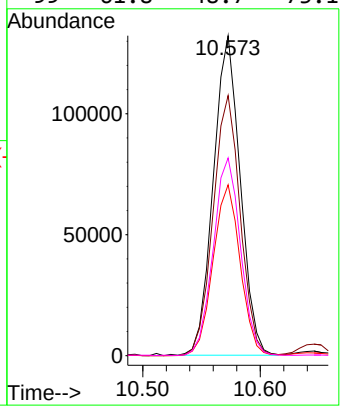




#55
1,1,2-Trichloroethane
Concen: 50.430 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 97 Resp: 21024

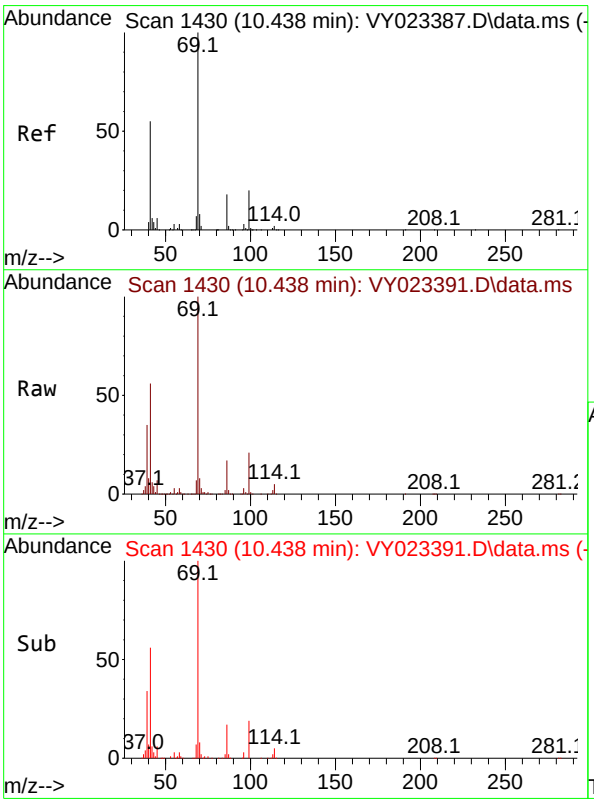
Ion	Ratio	Lower	Upper
97	100		
83	81.4	61.8	92.6
85	53.5	41.3	61.9
99	61.8	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

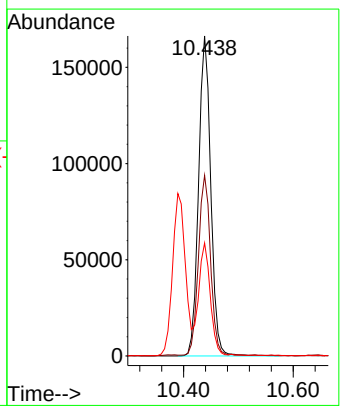
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

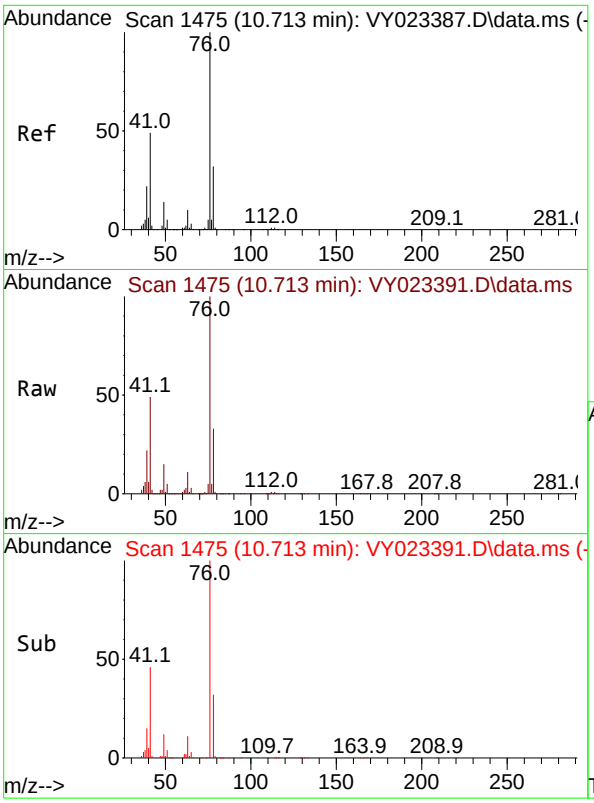


#56
Ethyl methacrylate
Concen: 53.385 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 69 Resp: 256731

Ion	Ratio	Lower	Upper
69	100		
41	56.1	44.6	67.0
39	34.2	27.0	40.4

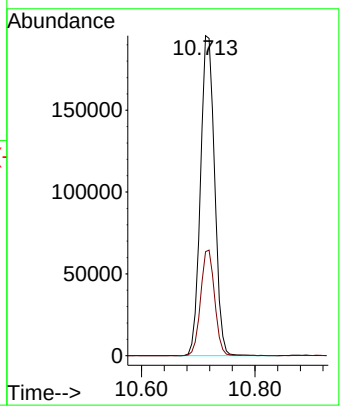




#57
1,3-Dichloropropane
Concen: 51.113 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 76 Resp: 33767

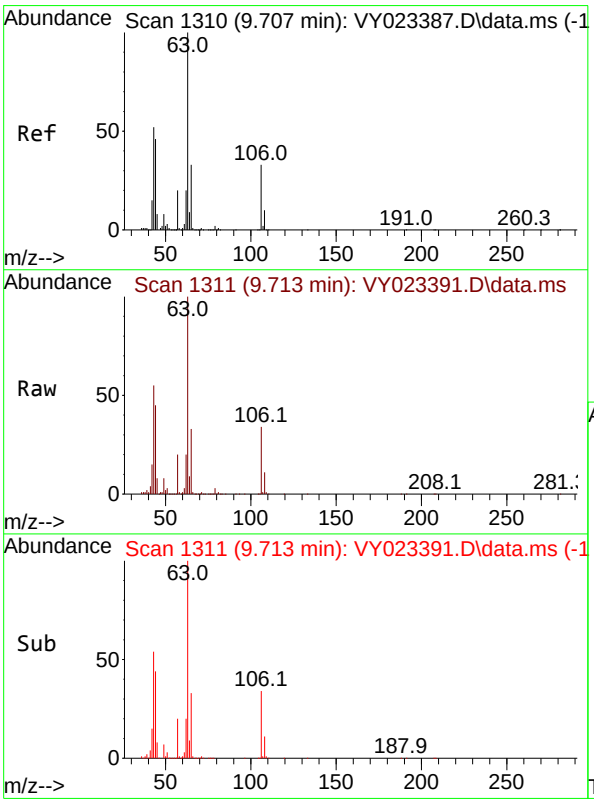
Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

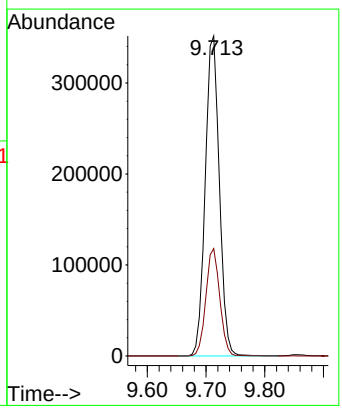
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

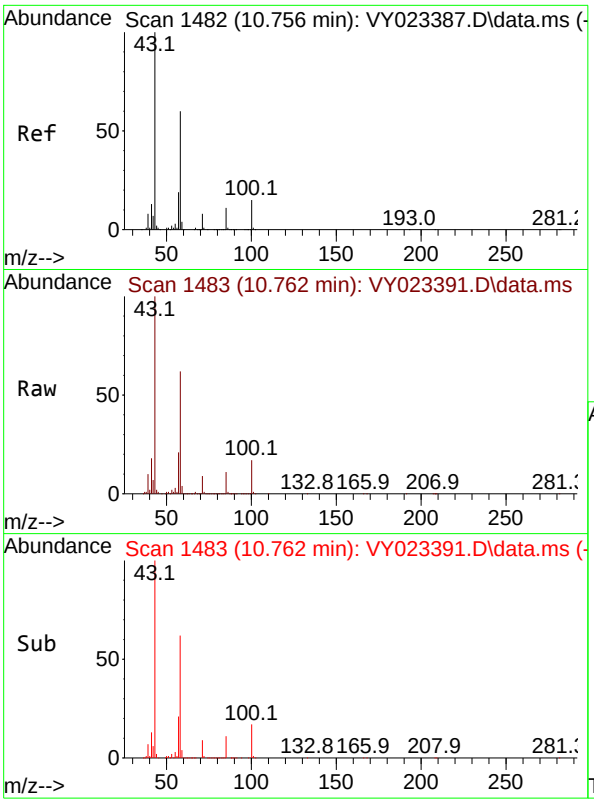


#58
2-Chloroethyl Vinyl ether
Concen: 272.133 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 63 Resp: 586266

Ion	Ratio	Lower	Upper
63	100		
106	33.2	26.6	39.8

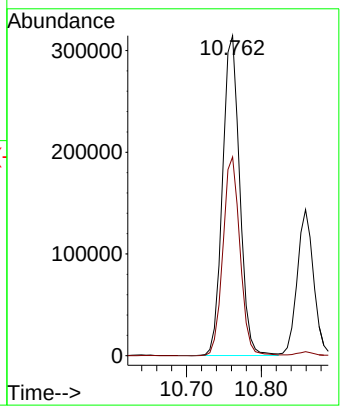




#59
2-Hexanone
Concen: 245.480 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 50187

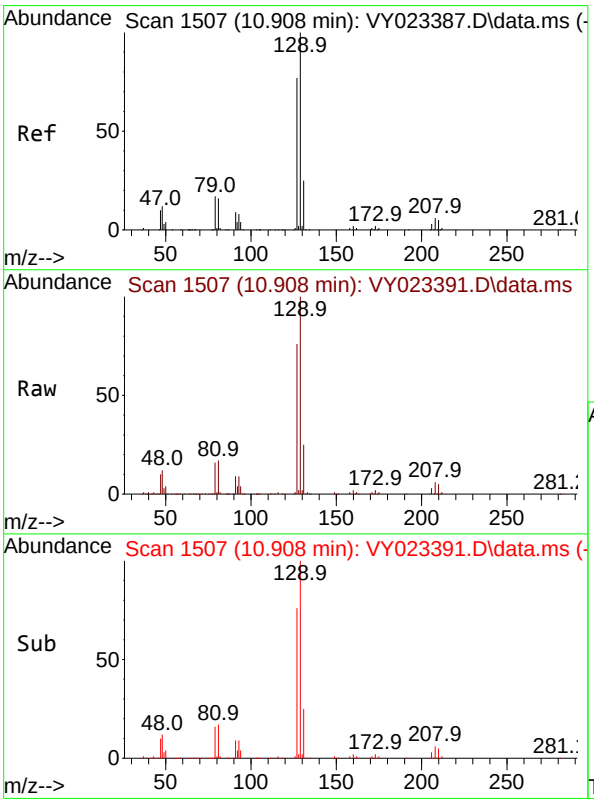
Ion	Ratio	Lower	Upper
43	100		
58	61.7	30.5	91.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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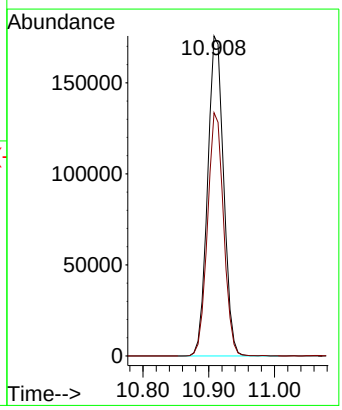
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

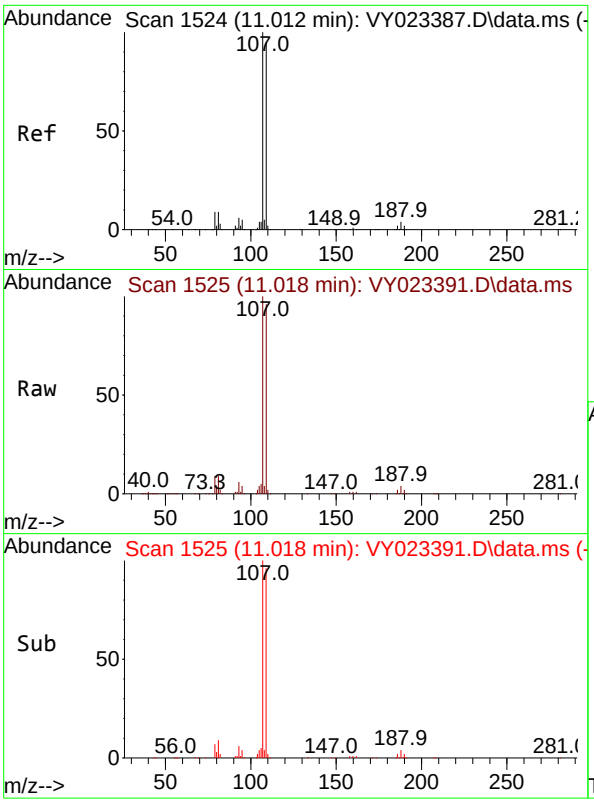


#60
Dibromochloromethane
Concen: 50.974 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:129 Resp: 297946

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.6	115.7





#61
1,2-Dibromoethane
Concen: 50.658 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

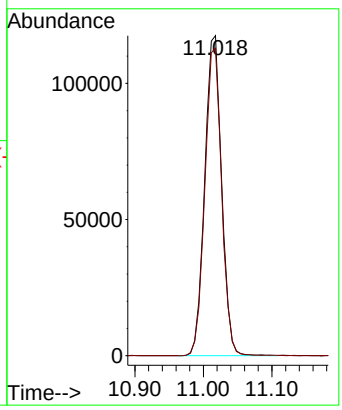
Tgt Ion:107 Resp: 20141

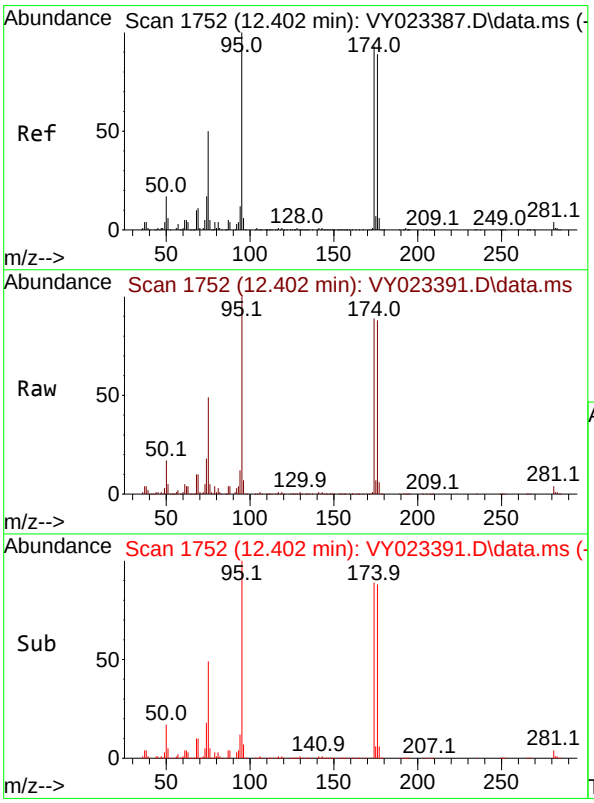
Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.1	114.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

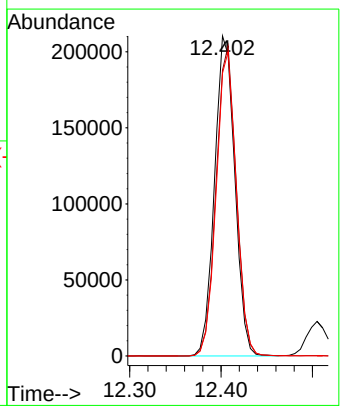


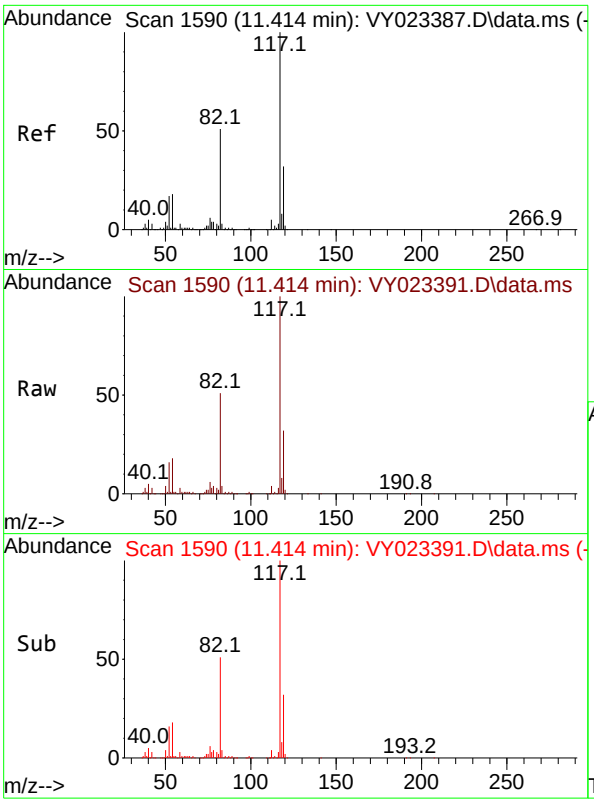


#62
4-Bromofluorobenzene
Concen: 49.881 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 95 Resp: 324700

Ion	Ratio	Lower	Upper
95	100		
174	96.3	0.0	192.8
176	93.9	0.0	187.6

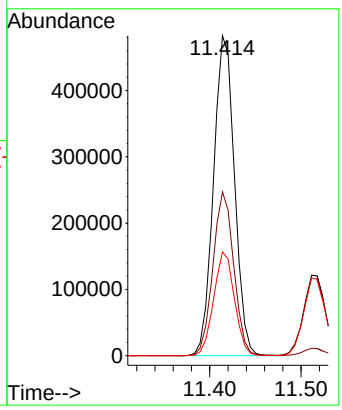




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:117 Resp: 77137

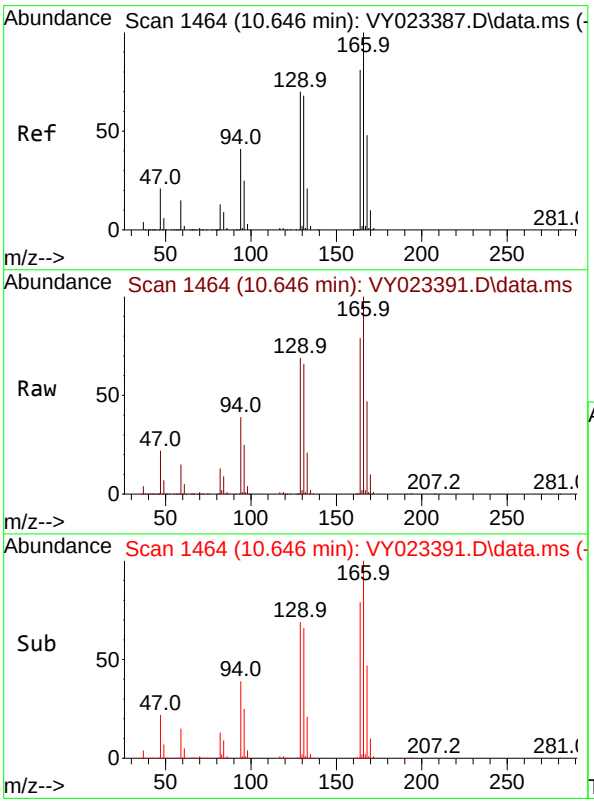
Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.0	61.4
119	32.5	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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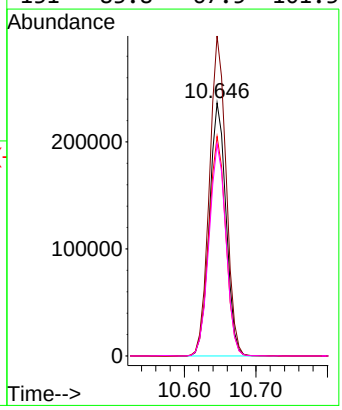
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

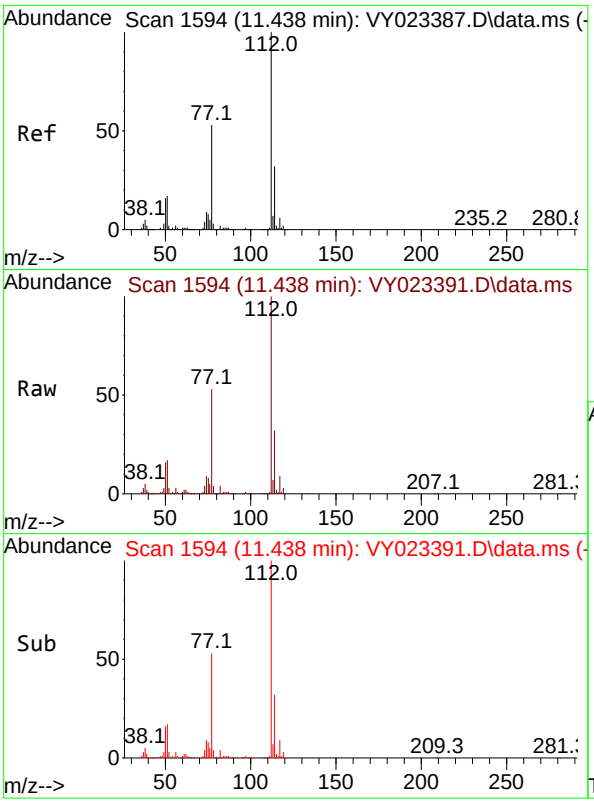


#64
Tetrachloroethene
Concen: 48.087 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:164 Resp: 382998

Ion	Ratio	Lower	Upper
164	100		
166	126.4	99.4	149.0
129	86.7	69.4	104.2
131	83.8	67.5	101.3

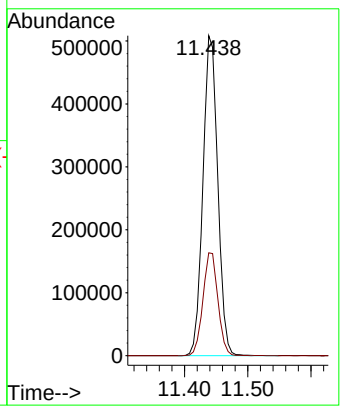




#65
Chlorobenzene
Concen: 49.381 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:112 Resp: 82846

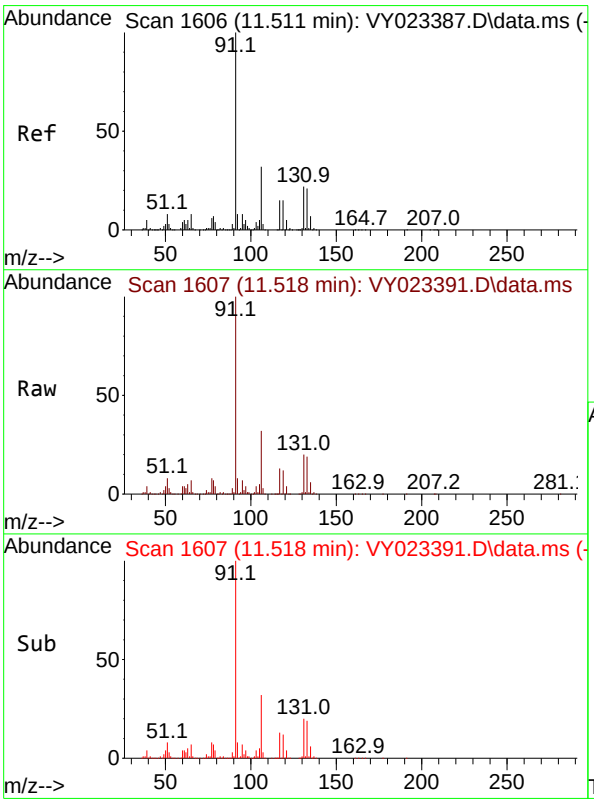
Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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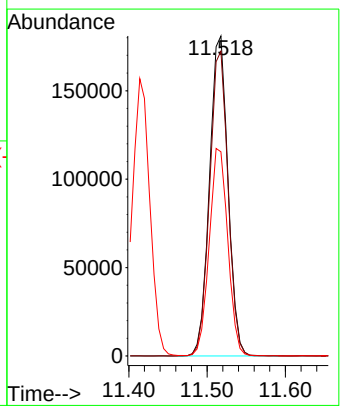
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

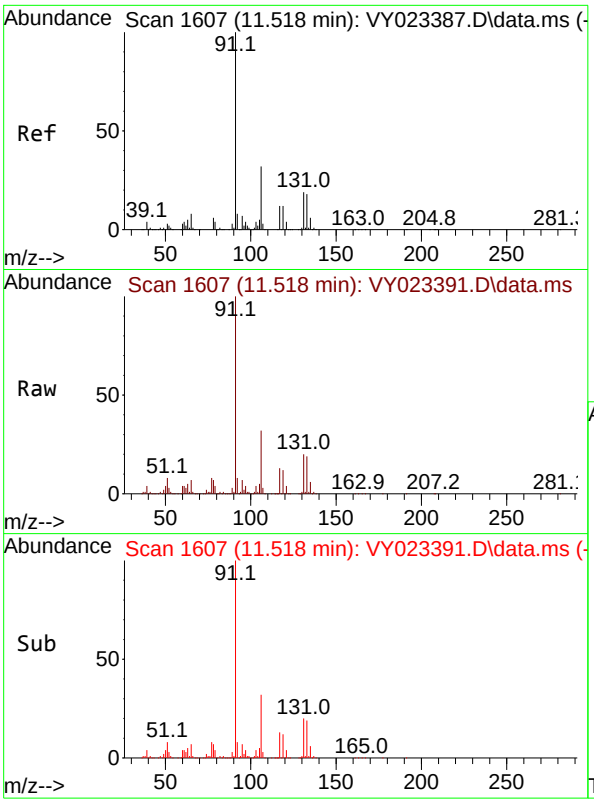


#66
1,1,1,2-Tetrachloroethane
Concen: 49.537 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:131 Resp: 296157

Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.4	145.2
119	65.2	32.4	97.2





#67
Ethyl Benzene
Concen: 50.841 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

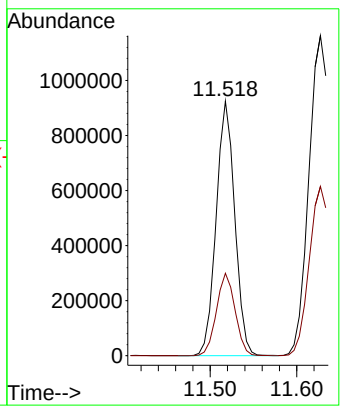
Tgt Ion: 91 Resp: 138069

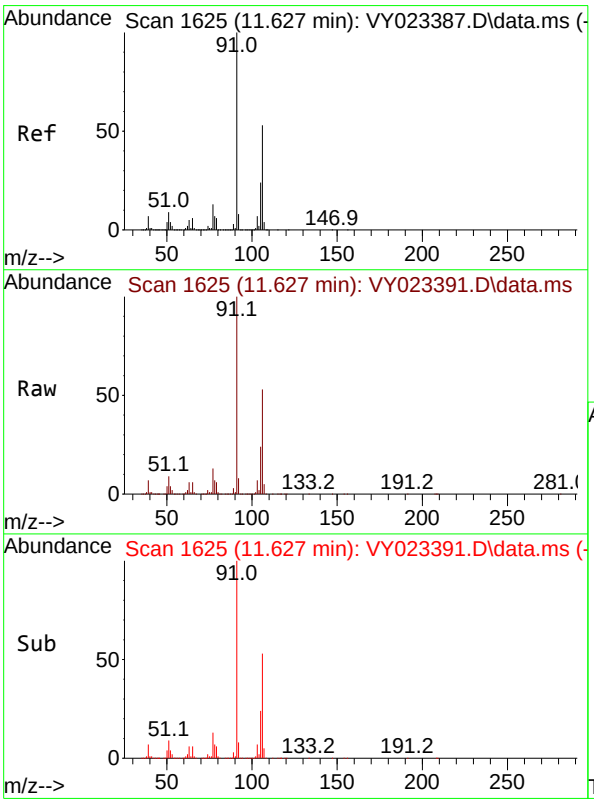
Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

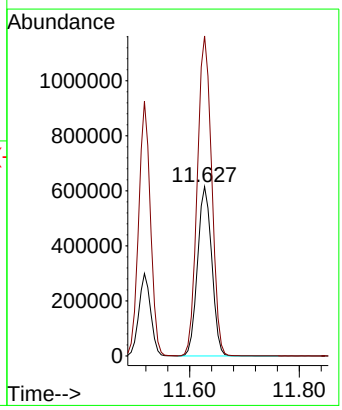


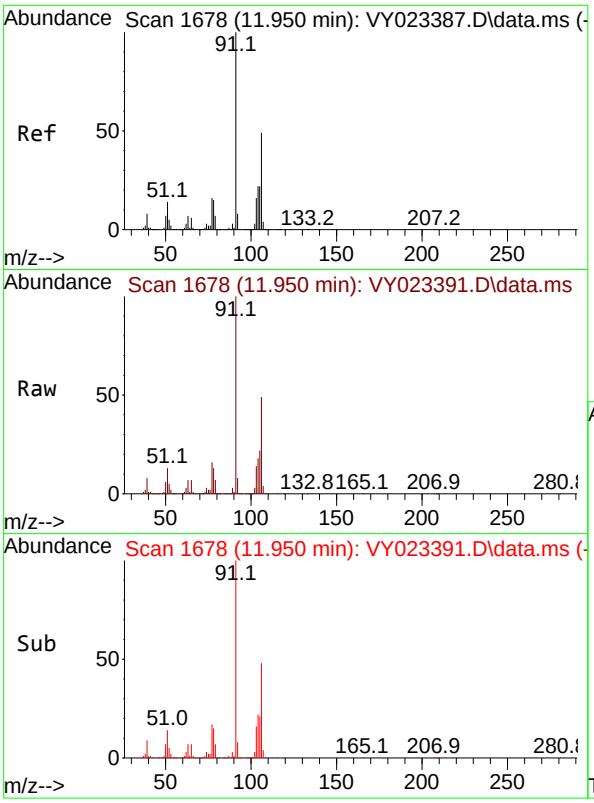


#68
m/p-Xylenes
Concen: 101.757 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:106 Resp: 1108386

Ion	Ratio	Lower	Upper
106	100		
91	190.7	152.6	229.0

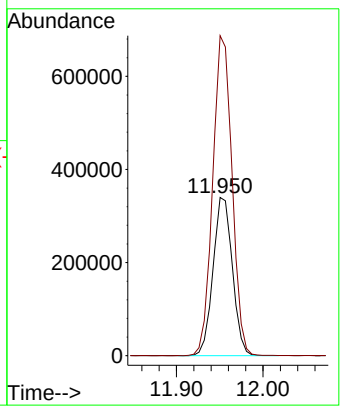




#69
o-Xylene
Concen: 51.577 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:106 Resp: 52695

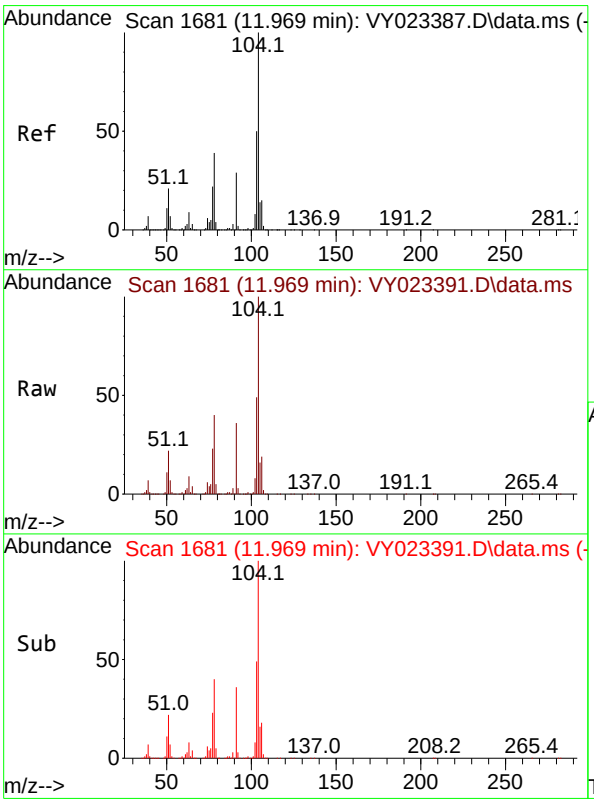
Ion	Ratio	Lower	Upper
106	100		
91	202.1	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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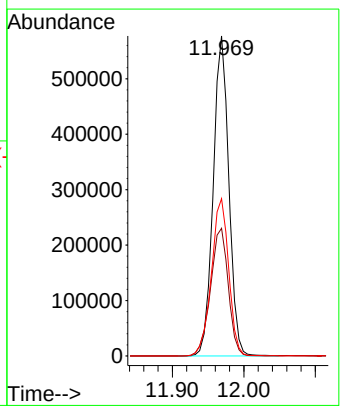
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

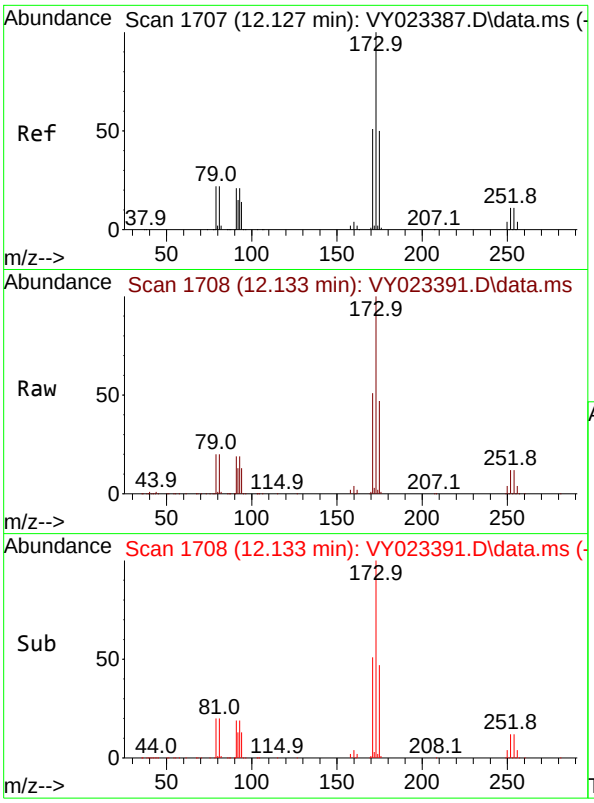


#70
Styrene
Concen: 52.122 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:104 Resp: 875709

Ion	Ratio	Lower	Upper
104	100		
78	45.3	36.1	54.1
103	54.2	43.2	64.8

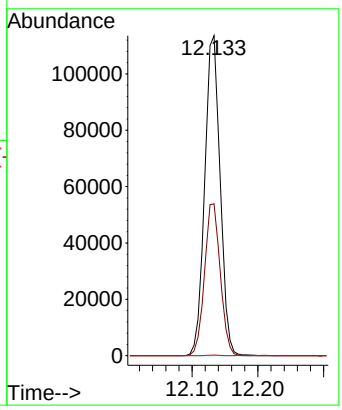




#71
Bromoform
Concen: 50.070 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:173 Resp: 18568

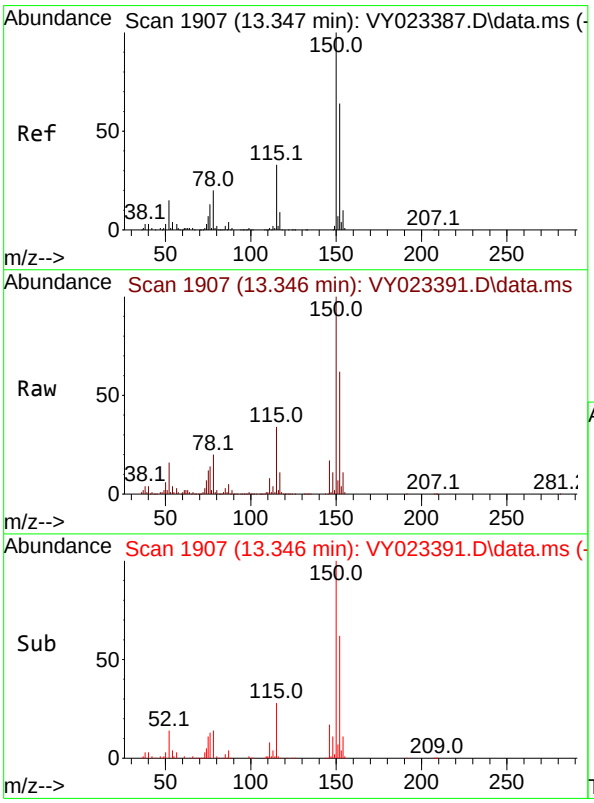
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.8	74.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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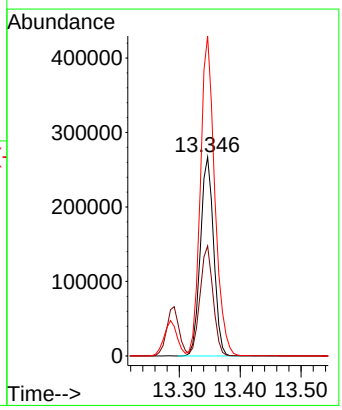
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

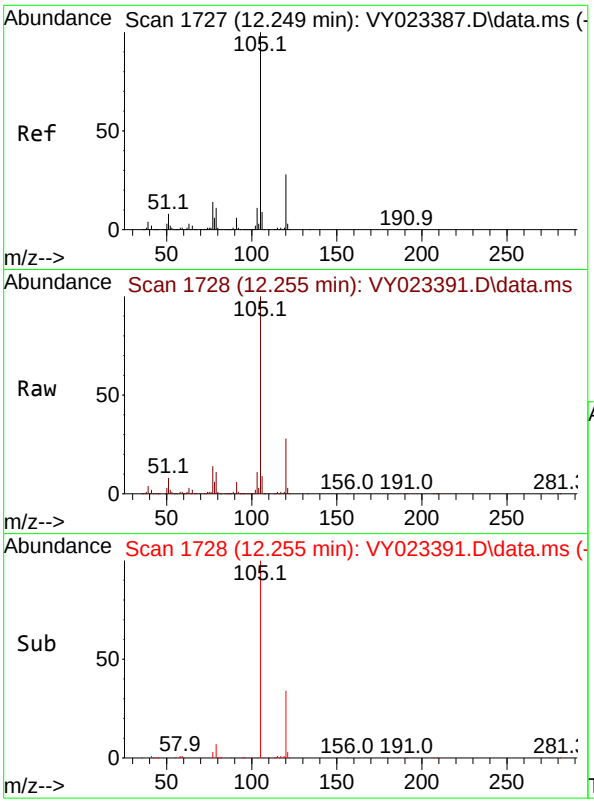


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:152 Resp: 405636

Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.1	81.2
150	173.7	0.0	347.4

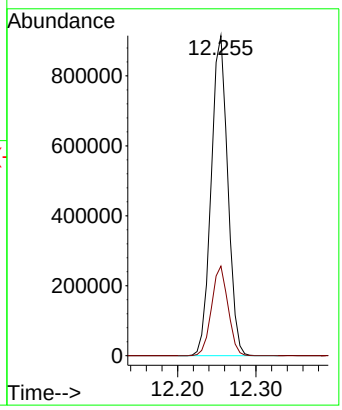




#73
Isopropylbenzene
Concen: 50.318 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:105 Resp: 134510

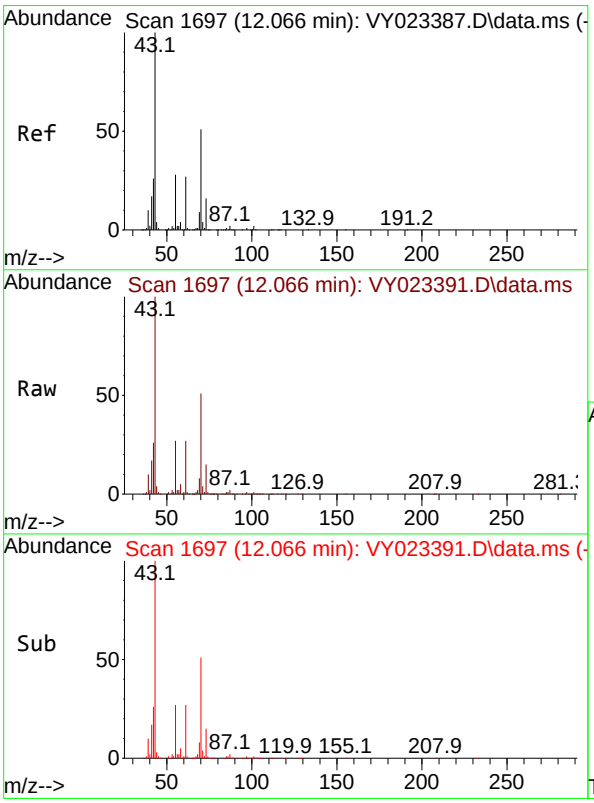
Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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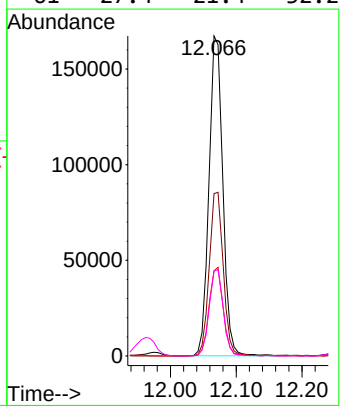
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

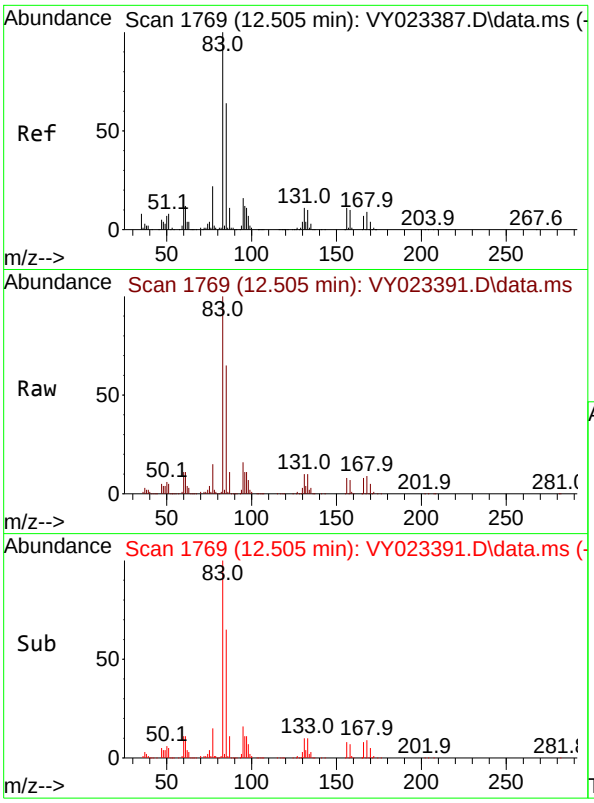


#74
N-amyl acetate
Concen: 51.087 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 245291

Ion	Ratio	Lower	Upper
43	100		
70	51.8	41.1	61.7
55	28.3	23.0	34.6
61	27.4	21.4	32.2

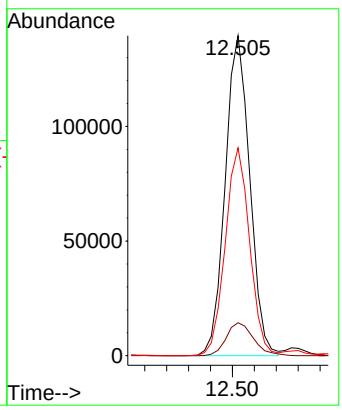




#75
1,1,2,2-Tetrachloroethane
Concen: 49.688 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 83 Resp: 21724

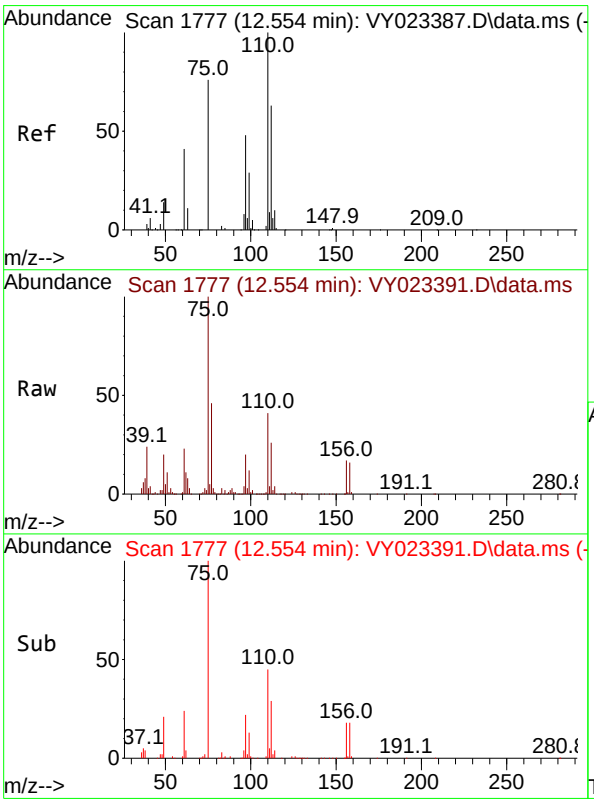
Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.9	17.6
85	64.4	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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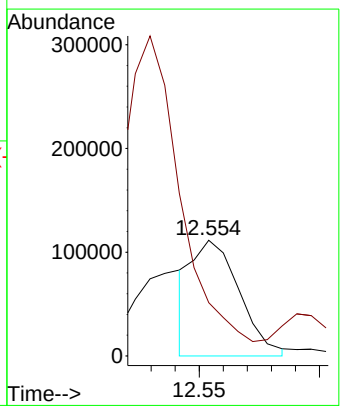
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

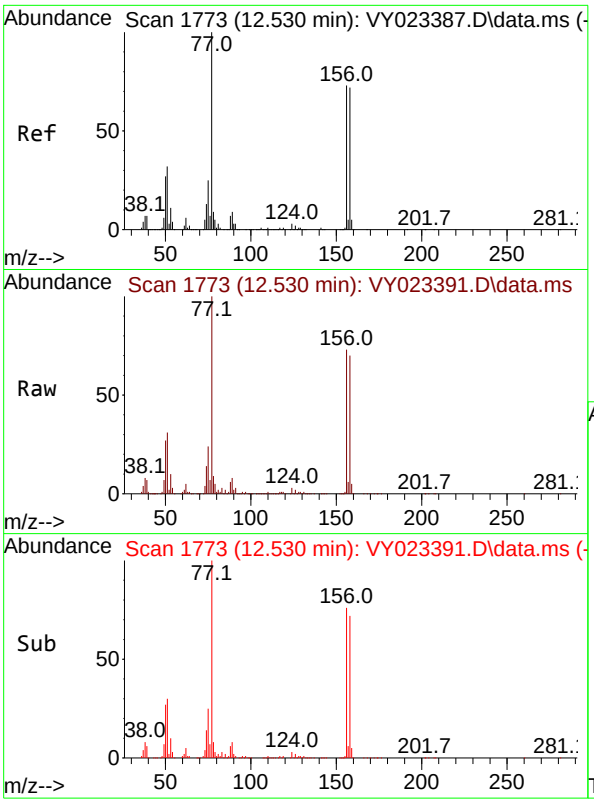


#76
1,2,3-Trichloropropane
Concen: 42.874 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 153438

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

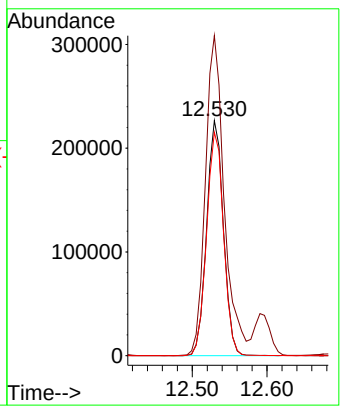




#77
Bromobenzene
Concen: 49.590 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:156 Resp: 35242

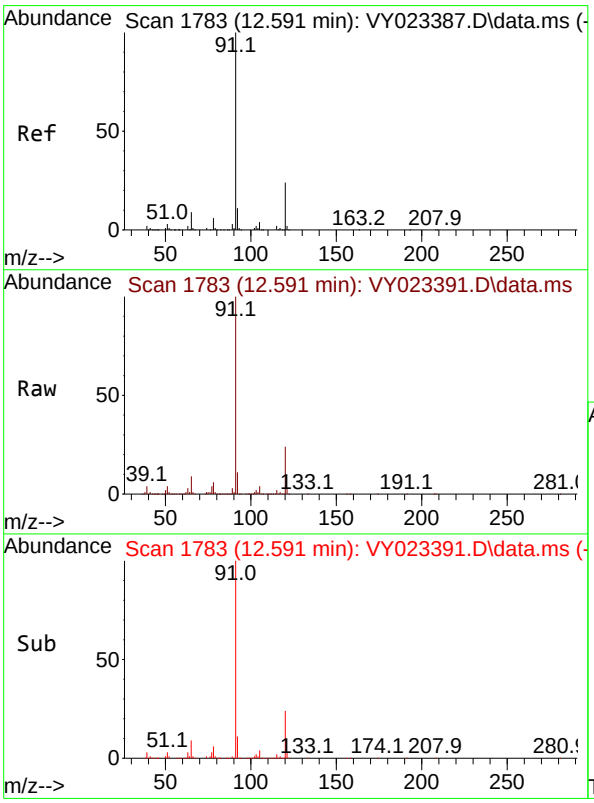
Ion	Ratio	Lower	Upper
156	100		
77	152.8	76.8	230.5
158	96.5	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

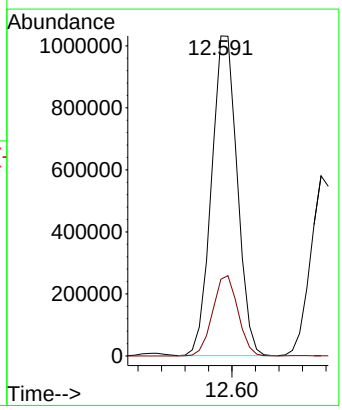
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

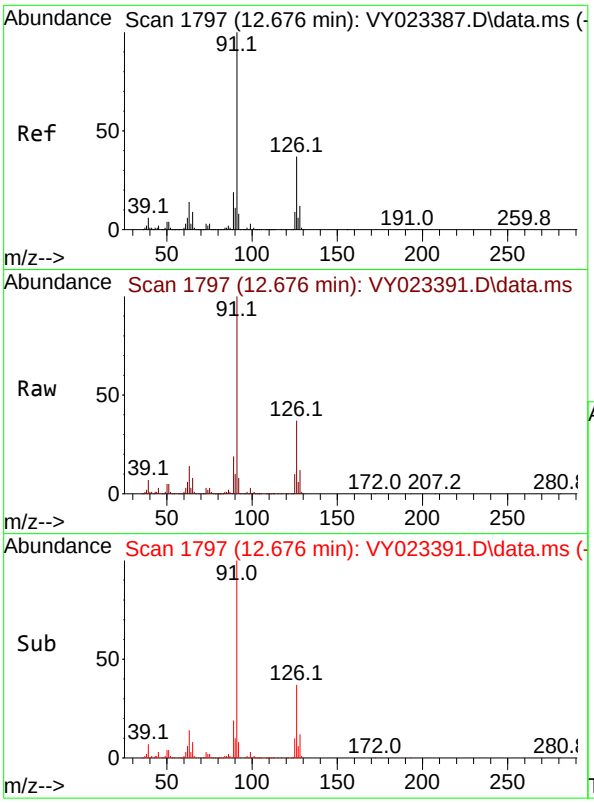


#78
n-propylbenzene
Concen: 50.694 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 1568180

Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.8

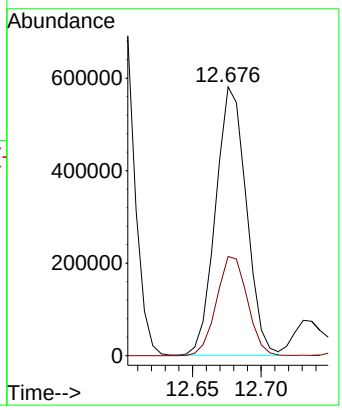




#79
2-Chlorotoluene
Concen: 50.047 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 90661

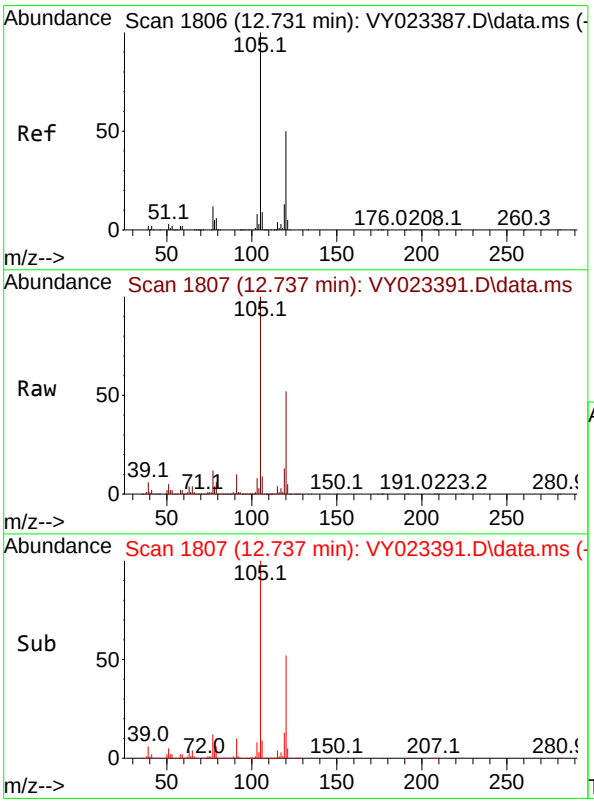
Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

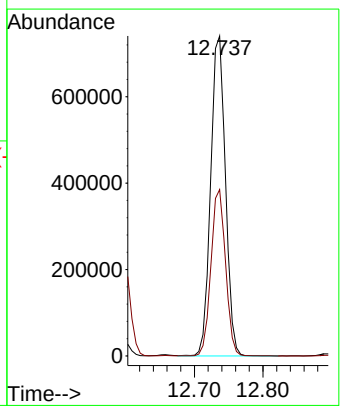
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

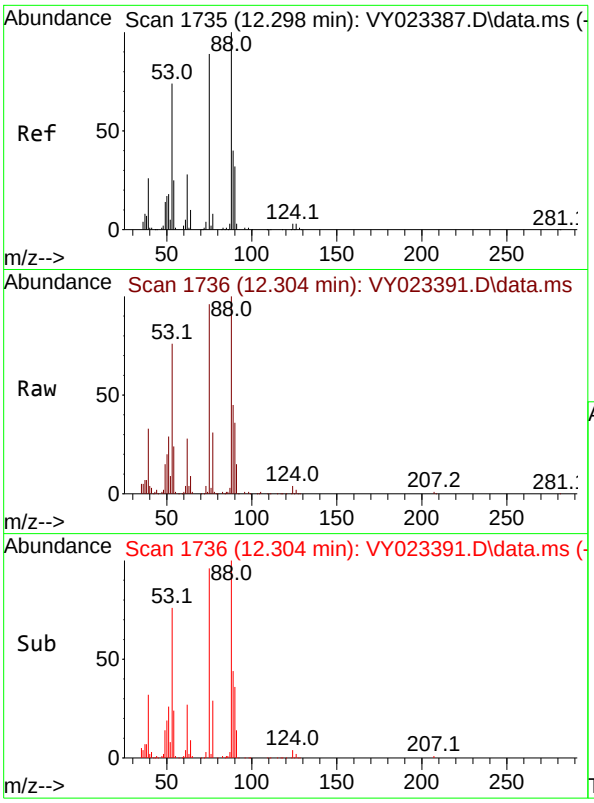


#80
1,3,5-Trimethylbenzene
Concen: 51.231 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:105 Resp: 1106664

Ion	Ratio	Lower	Upper
105	100		
120	51.4	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 46.566 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

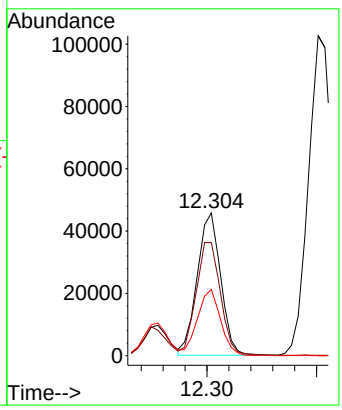
Tgt Ion: 75 Resp: 6795

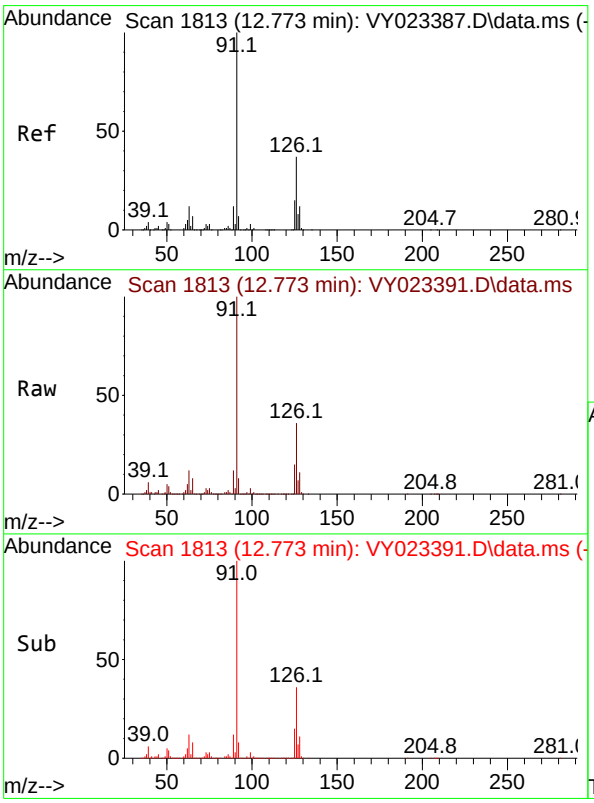
Ion	Ratio	Lower	Upper
75	100		
53	82.6	68.6	102.8
89	46.5	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

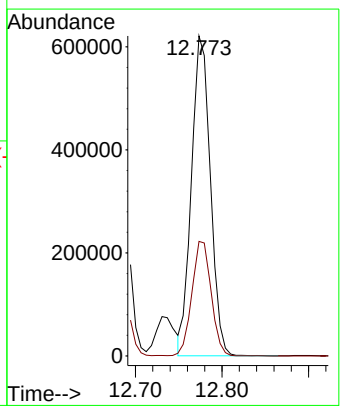


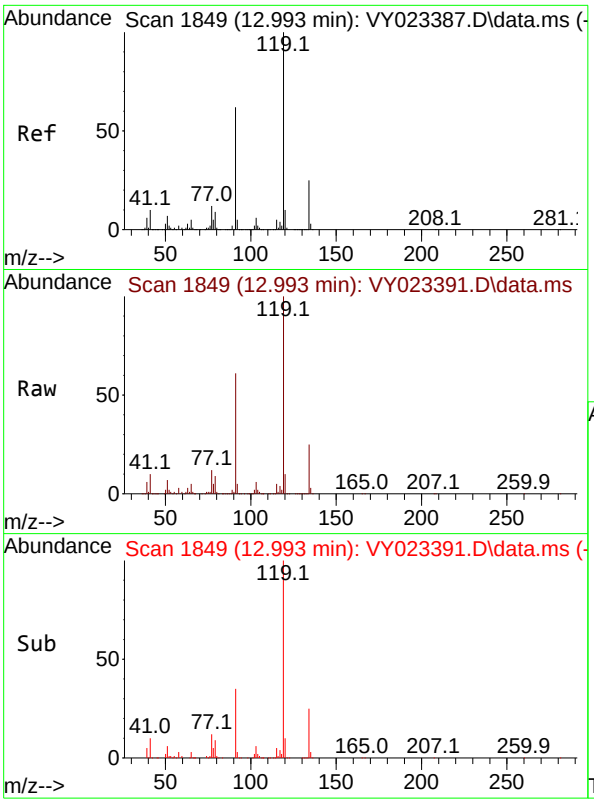


#82
4-Chlorotoluene
Concen: 50.455 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 941314

Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.4	55.4

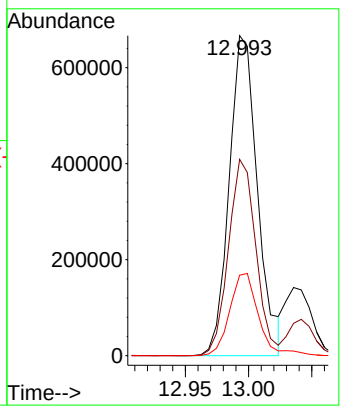




#83
tert-Butylbenzene
Concen: 52.019 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:119 Resp: 103751

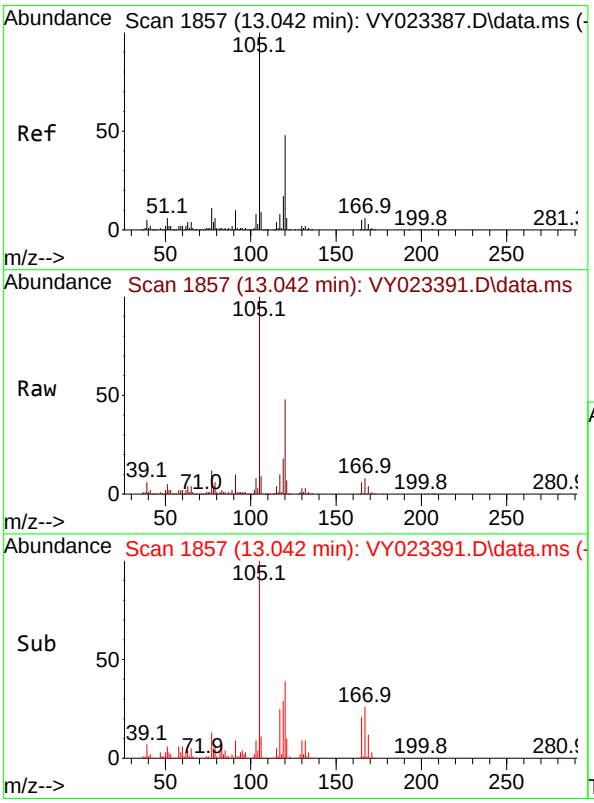
Ion	Ratio	Lower	Upper
119	100		
91	59.5	29.9	89.8
134	26.3	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

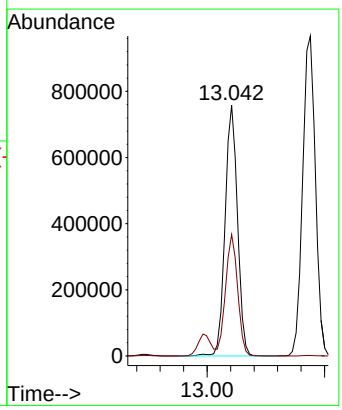
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

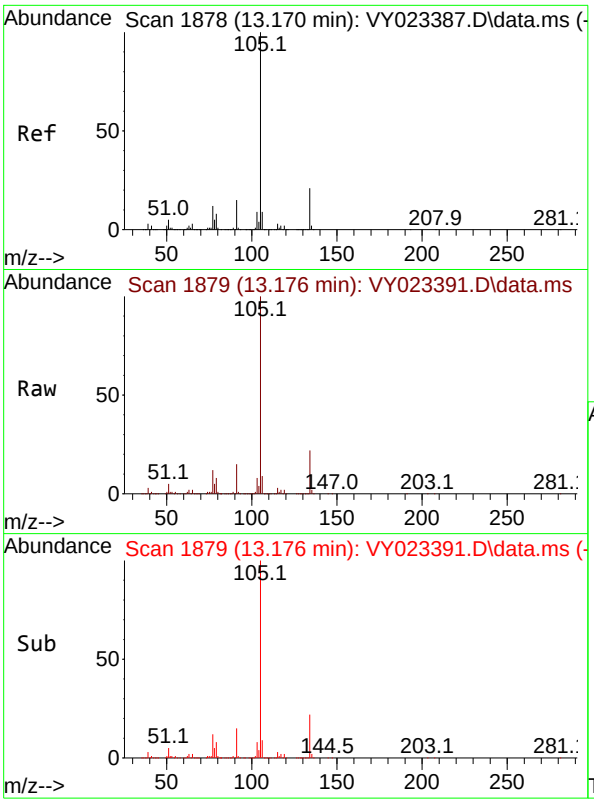


#84
1,2,4-Trimethylbenzene
Concen: 51.520 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:105 Resp: 1110672

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.8	71.2

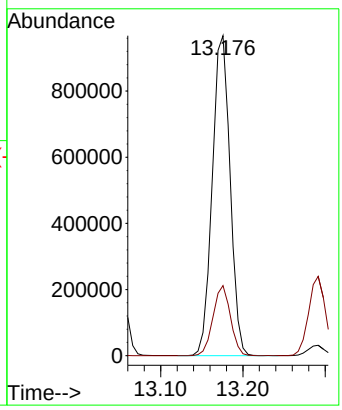




#85
sec-Butylbenzene
Concen: 50.848 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:105 Resp: 145477

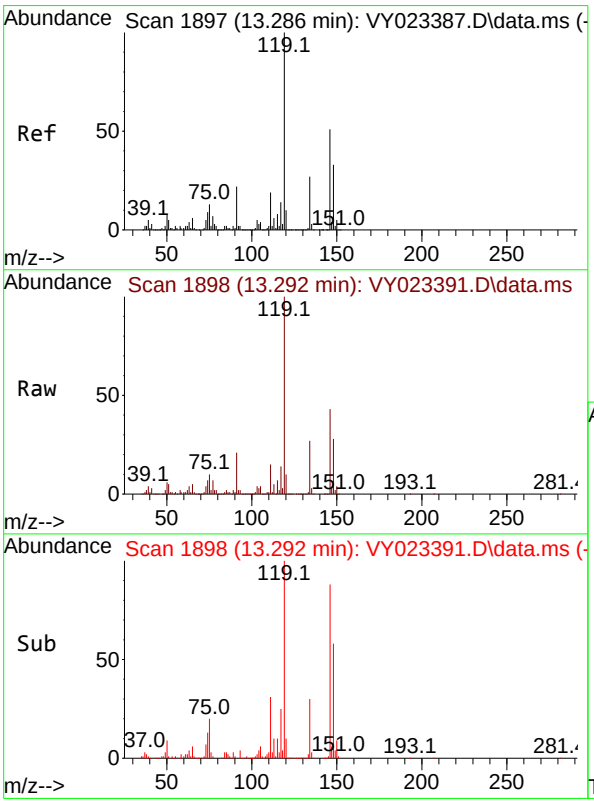
Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

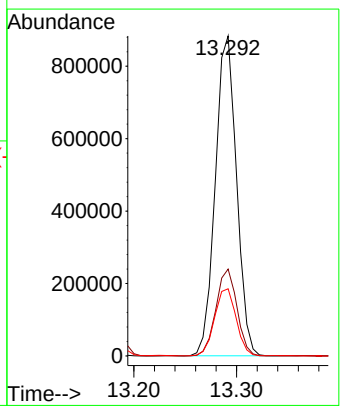
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

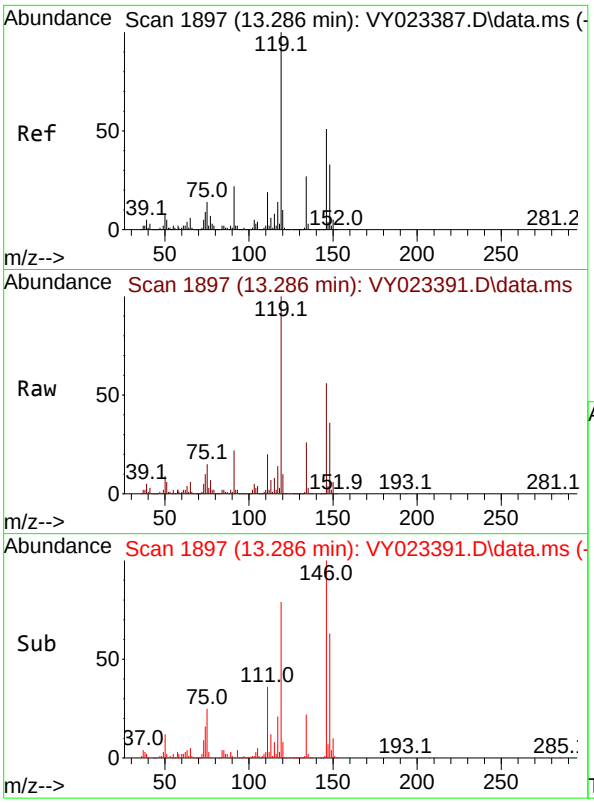


#86
p-Isopropyltoluene
Concen: 51.864 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:119 Resp: 1263377

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	21.3	10.9	32.9

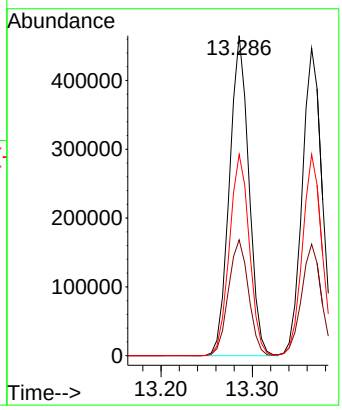




#87
1,3-Dichlorobenzene
Concen: 49.632 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:146 Resp: 68685

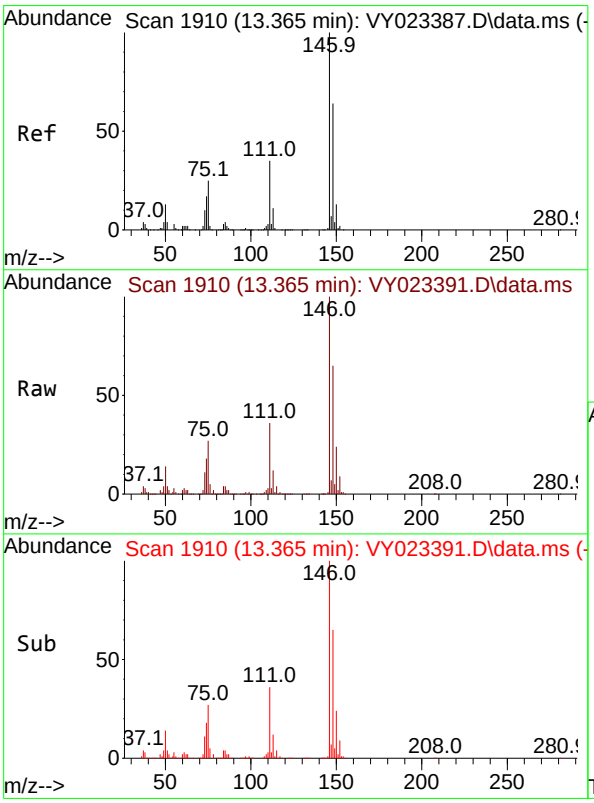
Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.5	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

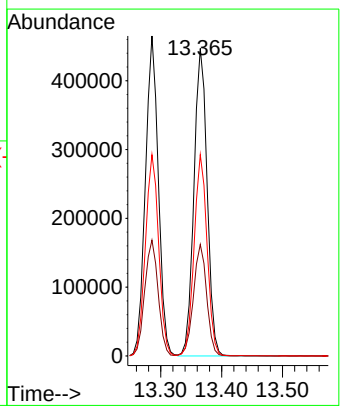
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

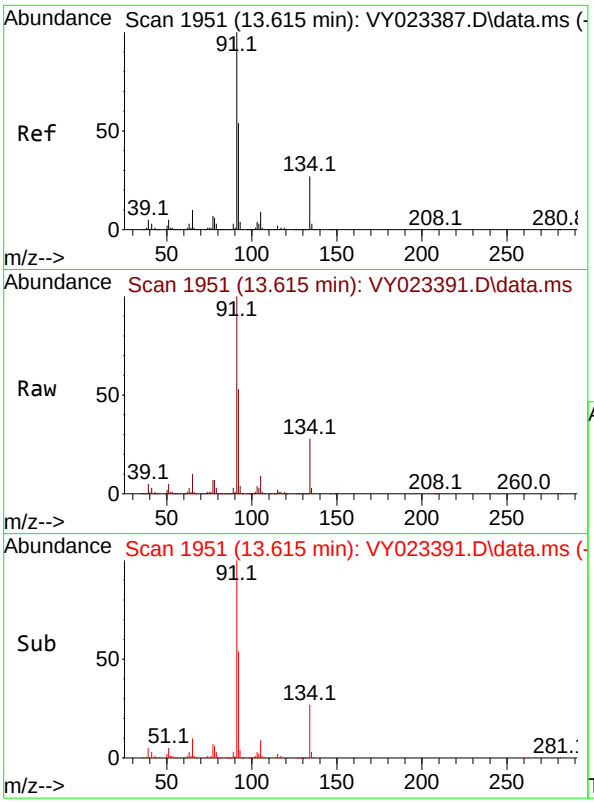


#88
1,4-Dichlorobenzene
Concen: 49.140 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:146 Resp: 671644

Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.0	54.0
148	64.2	31.9	95.7

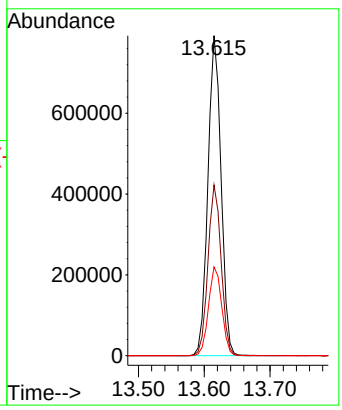




#89
n-Butylbenzene
Concen: 51.829 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 110008

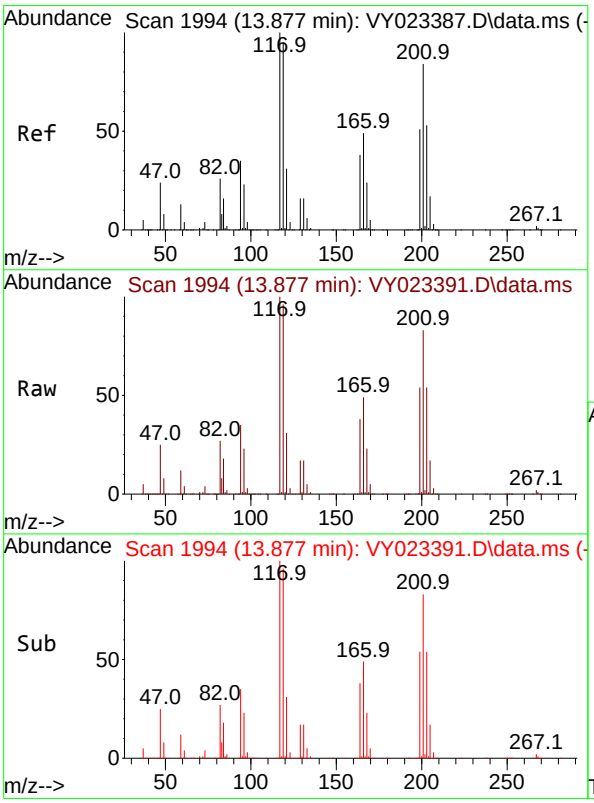
Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.0	80.8
134	28.1	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

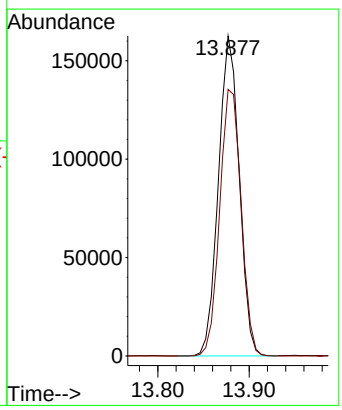
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

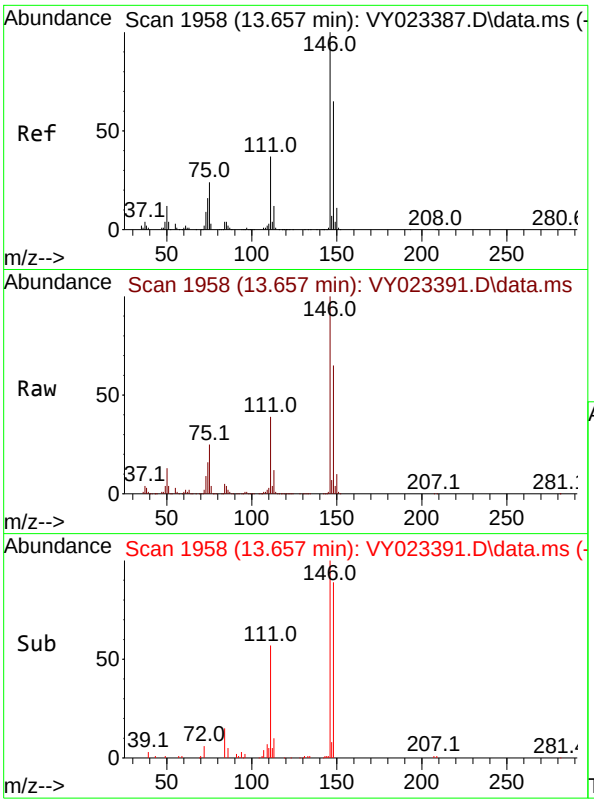


#90
Hexachloroethane
Concen: 49.116 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:117 Resp: 257335

Ion	Ratio	Lower	Upper
117	100		
201	85.7	43.8	131.4

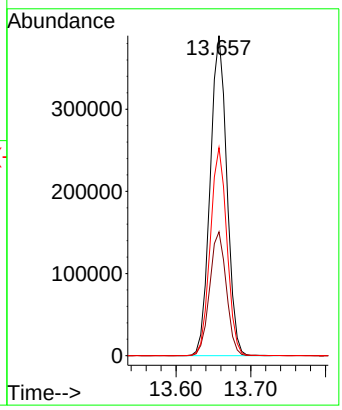




#91
1,2-Dichlorobenzene
Concen: 49.698 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:146 Resp: 60298

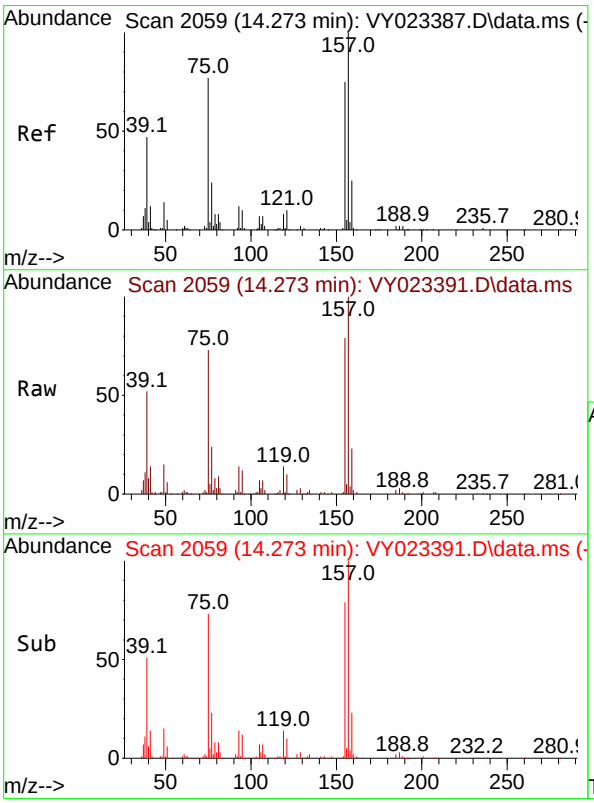
Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.0	57.0
148	64.8	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

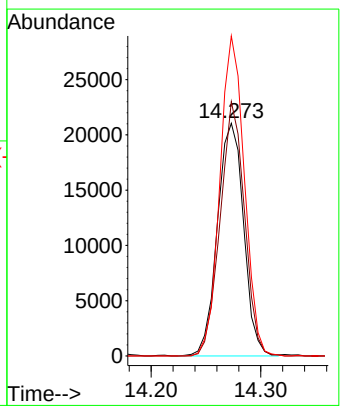
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

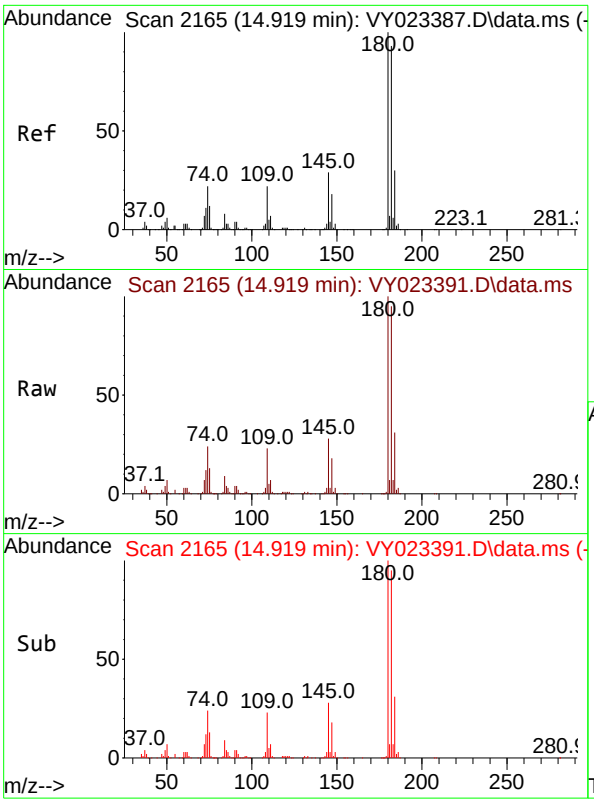


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.687 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 34928

Ion	Ratio	Lower	Upper
75	100		
155	101.5	50.0	150.0
157	128.5	63.8	191.5

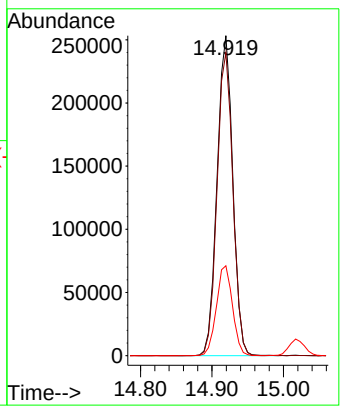




#93
1,2,4-Trichlorobenzene
Concen: 51.138 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:180 Resp: 38680

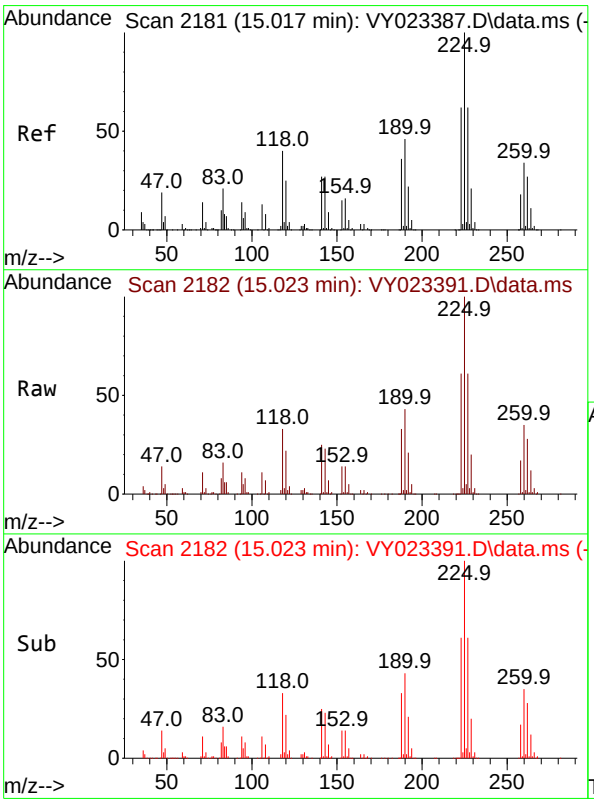
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.6
145	28.8	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

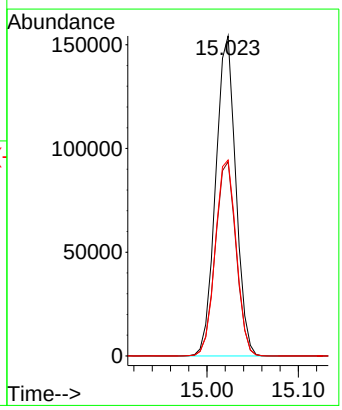
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

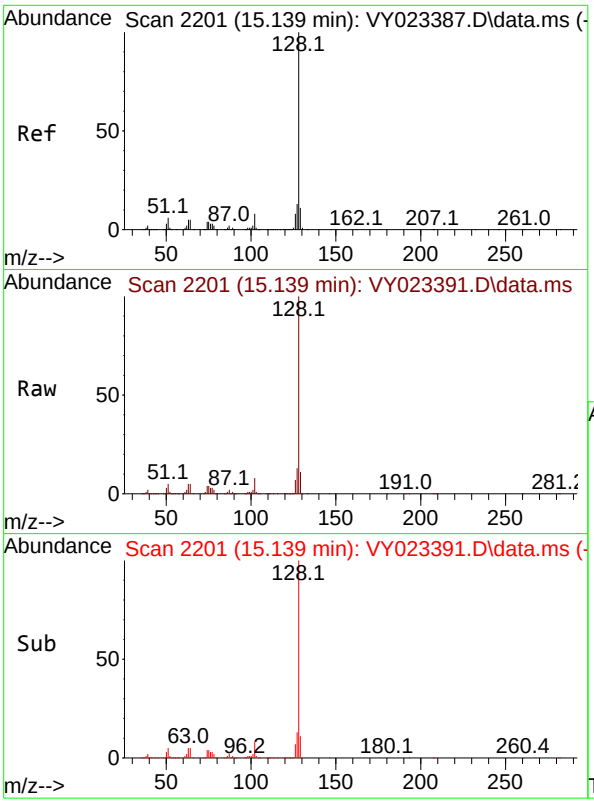


#94
Hexachlorobutadiene
Concen: 50.061 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:225 Resp: 236040

Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.8	92.3
227	63.6	31.9	95.7

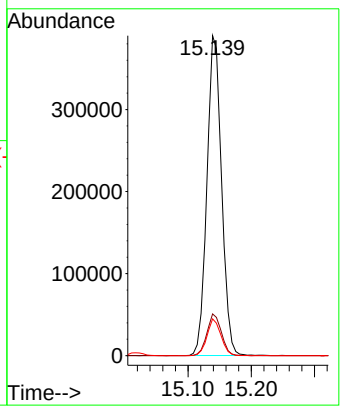




#95
Naphthalene
Concen: 52.154 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:128 Resp: 62819

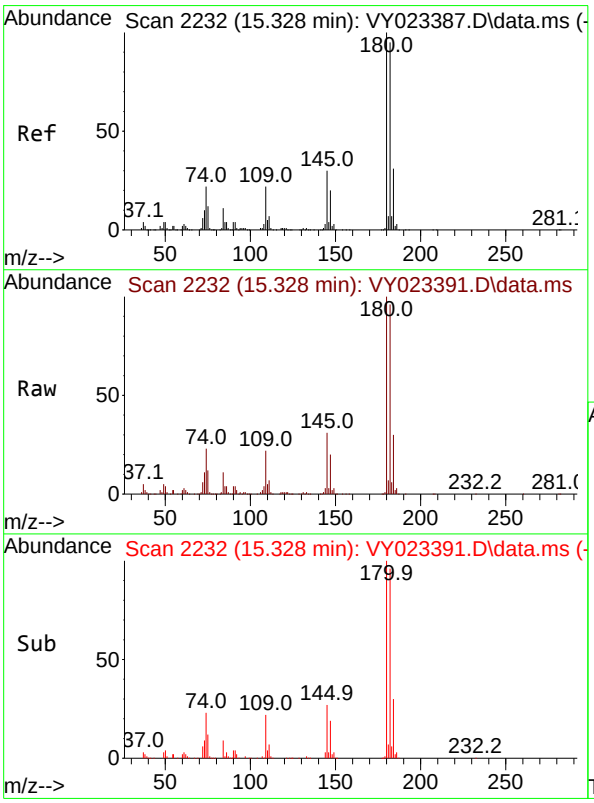
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

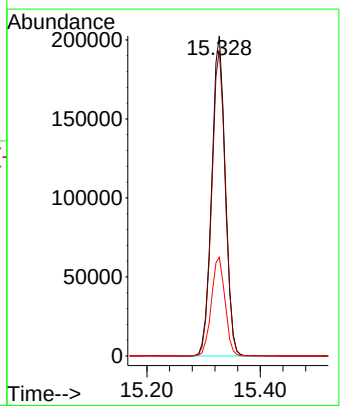
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.172 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:180 Resp: 335267

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.8
145	31.1	15.3	45.9



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	44.916	10.2	98	0.00
3	P	Chloromethane	50.000	52.519	-5.0	112	0.00
4	C	Vinyl Chloride	50.000	49.449	1.1#	103	0.00
5	T	Bromomethane	50.000	48.856	2.3	109	0.00
6	T	Chloroethane	50.000	51.367	-2.7	105	0.00
7	T	Trichlorofluoromethane	50.000	48.582	2.8	100	0.00
8	T	Diethyl Ether	50.000	51.050	-2.1	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.728	2.5	100	0.00
10	T	Methyl Iodide	50.000	51.875	-3.8	96	0.00
11	T	Tert butyl alcohol	250.000	231.079	7.6	112	0.00
12	CM	1,1-Dichloroethene	50.000	49.653	0.7#	101	0.00
13	T	Acrolein	250.000	246.184	1.5	101	0.00
14	T	Allyl chloride	50.000	50.645	-1.3	102	0.00
15	T	Acrylonitrile	250.000	251.575	-0.6	106	0.00
16	T	Acetone	250.000	212.910	14.8	99	0.00
17	T	Carbon Disulfide	50.000	50.021	-0.0	101	0.00
18	T	Methyl Acetate	50.000	50.439	-0.9	104	0.00
19	T	Methyl tert-butyl Ether	50.000	52.230	-4.5	107	0.00
20	T	Methylene Chloride	50.000	52.503	-5.0	120	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.482	-3.0	105	0.00
22	T	Diisopropyl ether	50.000	51.364	-2.7	103	0.00
23	T	Vinyl Acetate	250.000	260.981	-4.4	106	0.00
24	P	1,1-Dichloroethane	50.000	50.742	-1.5	104	0.00
25	T	2-Butanone	250.000	233.083	6.8	105	0.00
26	T	2,2-Dichloropropane	50.000	49.626	0.7	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.485	-5.0	107	0.00
28	T	Bromochloromethane	50.000	45.427	9.1	99	0.00
29	T	Tetrahydrofuran	250.000	253.317	-1.3	107	0.00
30	C	Chloroform	50.000	51.137	-2.3#	104	0.00
31	T	Cyclohexane	50.000	47.416	5.2	100	0.00
32	T	1,1,1-Trichloroethane	50.000	49.934	0.1	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.450	1.1	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35	S	Dibromofluoromethane	50.000	49.116	1.8	101	0.00
36	T	1,1-Dichloropropene	50.000	49.761	0.5	102	0.00
37	T	Ethyl Acetate	50.000	49.740	0.5	107	0.00
38	T	Carbon Tetrachloride	50.000	48.671	2.7	100	0.00
39	T	Methylcyclohexane	50.000	49.970	0.1	101	0.00
40	TM	Benzene	50.000	49.906	0.2	102	0.00
41	T	Methacrylonitrile	50.000	48.008	4.0	105	0.00
42	TM	1,2-Dichloroethane	50.000	49.318	1.4	104	0.00
43	T	Isopropyl Acetate	50.000	50.548	-1.1	108	0.00
44	TM	Trichloroethene	50.000	49.120	1.8	101	0.00
45	C	1,2-Dichloropropane	50.000	50.355	-0.7#	105	0.00
46	T	Dibromomethane	50.000	50.885	-1.8	106	0.00
47	T	Bromodichloromethane	50.000	50.450	-0.9	104	0.00
48	T	Methyl methacrylate	50.000	49.440	1.1	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	1039.252	-3.9	110	0.00
50	S	Toluene-d8	50.000	49.228	1.5	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	253.421	-1.4	106	0.00
52	CM	Toluene	50.000	51.556	-3.1#	105	0.00
53	T	t-1,3-Dichloropropene	50.000	51.160	-2.3	105	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.649	-3.3	106	0.00
55	T	1,1,2-Trichloroethane	50.000	50.430	-0.9	106	0.00
56	T	Ethyl methacrylate	50.000	53.385	-6.8	107	0.00
57	T	1,3-Dichloropropane	50.000	51.113	-2.2	105	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	272.133	-8.9	106	0.00
59	T	2-Hexanone	250.000	245.480	1.8	105	0.00
60	T	Dibromochloromethane	50.000	50.974	-1.9	106	0.00
61	T	1,2-Dibromoethane	50.000	50.658	-1.3	105	0.00
62	S	4-Bromofluorobenzene	50.000	49.881	0.2	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64	T	Tetrachloroethene	50.000	48.087	3.8	98	0.00
65	PM	Chlorobenzene	50.000	49.381	1.2	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.537	0.9	106	0.00
67	C	Ethyl Benzene	50.000	50.841	-1.7#	104	0.00
68	T	m/p-Xylenes	100.000	101.757	-1.8	103	0.00
69	T	o-Xylene	50.000	51.577	-3.2	105	0.00
70	T	Styrene	50.000	52.122	-4.2	105	0.00
71	P	Bromoform	50.000	50.070	-0.1	108	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	50.318	-0.6	103	0.00
74	T	N-amyl acetate	50.000	51.087	-2.2	108	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.688	0.6	111	0.00
76	T	1,2,3-Trichloropropane	50.000	42.874	14.3	90	0.00
77	T	Bromobenzene	50.000	49.590	0.8	106	0.00
78	T	n-propylbenzene	50.000	50.694	-1.4	103	0.00
79	T	2-Chlorotoluene	50.000	50.047	-0.1	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.231	-2.5	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.566	6.9	103	0.00
82	T	4-Chlorotoluene	50.000	50.455	-0.9	105	0.00
83	T	tert-Butylbenzene	50.000	52.019	-4.0	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.520	-3.0	105	0.00
85	T	sec-Butylbenzene	50.000	50.848	-1.7	104	0.00
86	T	p-Isopropyltoluene	50.000	51.864	-3.7	104	0.00
87	T	1,3-Dichlorobenzene	50.000	49.632	0.7	106	0.00
88	T	1,4-Dichlorobenzene	50.000	49.140	1.7	105	0.00
89	T	n-Butylbenzene	50.000	51.829	-3.7	105	0.00
90	T	Hexachloroethane	50.000	49.116	1.8	105	0.00
91	T	1,2-Dichlorobenzene	50.000	49.698	0.6	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.687	2.6	107	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.138	-2.3	107	0.00
94	T	Hexachlorobutadiene	50.000	50.061	-0.1	104	0.00
95	T	Naphthalene	50.000	52.154	-4.3	109	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	51.172	-2.3	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.360	0.323	10.3	98	0.00
3	P	Chloromethane	0.490	0.515	-5.1	112	0.00
4	C	Vinyl Chloride	0.639	0.632	1.1#	103	0.00
5	T	Bromomethane	0.536	0.524	2.2	109	0.00
6	T	Chloroethane	0.435	0.447	-2.8	105	0.00
7	T	Trichlorofluoromethane	0.887	0.862	2.8	100	0.00
8	T	Diethyl Ether	0.232	0.237	-2.2	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.460	0.448	2.6	100	0.00
10	T	Methyl Iodide	0.512	0.531	-3.7	96	0.00
11	T	Tert butyl alcohol	0.031	0.029	6.5	112	0.00
12	CM	1,1-Dichloroethene	0.446	0.443	0.7#	101	0.00
13	T	Acrolein	0.044	0.043	2.3	101	0.00
14	T	Allyl chloride	0.544	0.551	-1.3	102	0.00
15	T	Acrylonitrile	0.089	0.089	0.0	106	0.00
16	T	Acetone	0.100	0.085	15.0	99	0.00
17	T	Carbon Disulfide	1.277	1.277	0.0	101	0.00
18	T	Methyl Acetate	0.261	0.263	-0.8	104	0.00
19	T	Methyl tert-butyl Ether	1.072	1.120	-4.5	107	0.00
20	T	Methylene Chloride	0.538	0.565	-5.0	120	0.00
21	T	trans-1,2-Dichloroethene	0.491	0.506	-3.1	105	0.00
22	T	Diisopropyl ether	1.202	1.235	-2.7	103	0.00
23	T	Vinyl Acetate	0.651	0.679	-4.3	106	0.00
24	P	1,1-Dichloroethane	0.796	0.808	-1.5	104	0.00
25	T	2-Butanone	0.122	0.113	7.4	105	0.00
26	T	2,2-Dichloropropane	0.731	0.725	0.8	100	0.00
27	T	cis-1,2-Dichloroethene	0.567	0.595	-4.9	107	0.00
28	T	Bromochloromethane	0.297	0.270	9.1	99	0.00
29	T	Tetrahydrofuran	0.069	0.070	-1.4	107	0.00
30	C	Chloroform	0.875	0.895	-2.3#	104	0.00
31	T	Cyclohexane	0.696	0.660	5.2	100	0.00
32	T	1,1,1-Trichloroethane	0.795	0.794	0.1	101	0.00
33	S	1,2-Dichloroethane-d4	0.418	0.414	1.0	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35	S	Dibromofluoromethane	0.307	0.302	1.6	101	0.00
36	T	1,1-Dichloropropene	0.407	0.405	0.5	102	0.00
37	T	Ethyl Acetate	0.161	0.160	0.6	107	0.00
38	T	Carbon Tetrachloride	0.493	0.480	2.6	100	0.00
39	T	Methylcyclohexane	0.530	0.529	0.2	101	0.00
40	TM	Benzene	1.288	1.286	0.2	102	0.00
41	T	Methacrylonitrile	0.087	0.084	3.4	105	0.00
42	TM	1,2-Dichloroethane	0.332	0.328	1.2	104	0.00
43	T	Isopropyl Acetate	0.321	0.325	-1.2	108	0.00
44	TM	Trichloroethene	0.377	0.370	1.9	101	0.00
45	C	1,2-Dichloropropane	0.285	0.287	-0.7#	105	0.00
46	T	Dibromomethane	0.180	0.183	-1.7	106	0.00
47	T	Bromodichloromethane	0.453	0.457	-0.9	104	0.00
48	T	Methyl methacrylate	0.151	0.149	1.3	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	110	0.00
50	S	Toluene-d8	1.144	1.126	1.6	100	0.00
51	T	4-Methyl-2-Pentanone	0.166	0.168	-1.2	106	0.00
52	CM	Toluene	0.836	0.862	-3.1#	105	0.00
53	T	t-1,3-Dichloropropene	0.394	0.403	-2.3	105	0.00
54	T	cis-1,3-Dichloropropene	0.465	0.480	-3.2	106	0.00
55	T	1,1,2-Trichloroethane	0.242	0.244	-0.8	106	0.00
56	T	Ethyl methacrylate	0.279	0.298	-6.8	107	0.00
57	T	1,3-Dichloropropane	0.383	0.392	-2.3	105	0.00
58	T	2-Chloroethyl Vinyl ether	0.125	0.136	-8.8	106	0.00
59	T	2-Hexanone	0.119	0.116	2.5	105	0.00
60	T	Dibromochloromethane	0.339	0.346	-2.1	106	0.00
61	T	1,2-Dibromoethane	0.231	0.234	-1.3	105	0.00
62	S	4-Bromofluorobenzene	0.378	0.377	0.3	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64	T	Tetrachloroethene	0.516	0.497	3.7	98	0.00
65	PM	Chlorobenzene	1.087	1.074	1.2	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.384	1.0	106	0.00
67	C	Ethyl Benzene	1.760	1.790	-1.7#	104	0.00
68	T	m/p-Xylenes	0.706	0.718	-1.7	103	0.00
69	T	o-Xylene	0.662	0.683	-3.2	105	0.00
70	T	Styrene	1.089	1.135	-4.2	105	0.00
71	P	Bromoform	0.240	0.241	-0.4	108	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.295	3.316	-0.6	103	0.00
74	T	N-amyl acetate	0.592	0.605	-2.2	108	0.00
75	P	1,1,2,2-Tetrachloroethane	0.539	0.536	0.6	111	0.00
76	T	1,2,3-Trichloropropane	0.441	0.378	14.3	90	0.00
77	T	Bromobenzene	0.876	0.869	0.8	106	0.00
78	T	n-propylbenzene	3.813	3.866	-1.4	103	0.00
79	T	2-Chlorotoluene	2.233	2.235	-0.1	104	0.00
80	T	1,3,5-Trimethylbenzene	2.663	2.728	-2.4	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.180	0.168	6.7	103	0.00
82	T	4-Chlorotoluene	2.300	2.321	-0.9	105	0.00
83	T	tert-Butylbenzene	2.458	2.558	-4.1	105	0.00
84	T	1,2,4-Trimethylbenzene	2.657	2.738	-3.0	105	0.00
85	T	sec-Butylbenzene	3.527	3.586	-1.7	104	0.00
86	T	p-Isopropyltoluene	3.003	3.115	-3.7	104	0.00
87	T	1,3-Dichlorobenzene	1.706	1.693	0.8	106	0.00
88	T	1,4-Dichlorobenzene	1.685	1.656	1.7	105	0.00
89	T	n-Butylbenzene	2.616	2.712	-3.7	105	0.00
90	T	Hexachloroethane	0.646	0.634	1.9	105	0.00
91	T	1,2-Dichlorobenzene	1.496	1.487	0.6	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.088	0.086	2.3	107	0.00
93	T	1,2,4-Trichlorobenzene	0.932	0.954	-2.4	107	0.00
94	T	Hexachlorobutadiene	0.581	0.582	-0.2	104	0.00
95	T	Naphthalene	1.485	1.549	-4.3	109	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	0.808	0.827	-2.4	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VW032378.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: MSVOA_W
Calibration Date/Time: 10/20/2025 10:20
Lab File ID: VW032378.D
Init. Calib. Date(s): 10/01/2025 10/01/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 13:12 15:20
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.314	0.311		-0.95	20
Chloromethane	0.484	0.459	0.1	-5.16	20
Vinyl Chloride	0.578	0.608		5.19	20
Bromomethane	0.425	0.444		4.47	20
Chloroethane	0.382	0.416		8.9	20
Trichlorofluoromethane	0.433	0.501		15.7	20
1,1,2-Trichlorotrifluoroethane	0.519	0.563		8.48	20
1,1-Dichloroethene	0.564	0.625		10.82	20
Acetone	0.202	0.196		-2.97	20
Carbon Disulfide	1.538	1.711		11.25	20
Methyl tert-butyl Ether	1.110	1.198		7.93	20
Methyl Acetate	0.578	0.649		12.28	20
Methylene Chloride	0.838	0.723		-13.72	20
trans-1,2-Dichloroethene	0.624	0.698		11.86	20
1,1-Dichloroethane	1.203	1.322	0.1	9.89	20
Cyclohexane	1.027	1.031		0.39	20
2-Butanone	0.275	0.276		0.36	20
Carbon Tetrachloride	0.430	0.504		17.21	20
cis-1,2-Dichloroethene	0.749	0.820		9.48	20
Bromochloromethane	0.566	0.610		7.77	20
Chloroform	1.220	1.377		12.87	20
1,1,1-Trichloroethane	0.864	0.981		13.54	20
Methylcyclohexane	0.551	0.593		7.62	20
Benzene	1.432	1.599		11.66	20
1,2-Dichloroethane	0.469	0.515		9.81	20
Trichloroethene	0.335	0.366		9.25	20
1,2-Dichloropropane	0.358	0.402		12.29	20
Bromodichloromethane	0.503	0.597		18.69	20
4-Methyl-2-Pentanone	0.313	0.344		9.9	20
Toluene	0.892	1.027		15.14	20
t-1,3-Dichloropropene	0.488	0.563		15.37	20
cis-1,3-Dichloropropene	0.562	0.643		14.41	20
1,1,2-Trichloroethane	0.294	0.336		14.29	20
2-Hexanone	0.220	0.244		10.91	20
Dibromochloromethane	0.334	0.413		23.65	20
1,2-Dibromoethane	0.287	0.319		11.15	20
Tetrachloroethene	0.299	0.315		5.35	20
Chlorobenzene	1.100	1.171	0.3	6.45	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VW032378.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO02
Lab Code:	ACE	SDG No.:	Q3376
Instrument ID:	MSVOA_W	Calibration Date/Time:	10/20/2025 10:20
Lab File ID:	VW032378.D	Init. Calib. Date(s):	10/01/2025 10/01/2025
Heated Purge: (Y/N)	Y	Init. Calib. Time(s):	13:12 15:20

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.834	2.060		12.32	20
m/p-Xylenes	0.707	0.797		12.73	20
o-Xylene	0.661	0.740		11.95	20
Styrene	1.155	1.345		16.45	20
Bromoform	0.196	0.242	0.1	23.47	20
Isopropylbenzene	3.421	3.733		9.12	20
1,1,2,2-Tetrachloroethane	0.849	0.868	0.3	2.24	20
1,3-Dichlorobenzene	1.670	1.766		5.75	20
1,4-Dichlorobenzene	1.670	1.805		8.08	20
1,2-Dichlorobenzene	1.509	1.604		6.3	20
1,2-Dibromo-3-Chloropropane	0.149	0.158		6.04	20
1,2,4-Trichlorobenzene	0.905	0.957		5.75	20
1,2,3-Trichlorobenzene	0.853	0.902		5.74	20
1,2-Dichloroethane-d4	0.729	0.743		1.92	20
Dibromofluoromethane	0.324	0.347		7.1	20
Toluene-d8	1.195	1.278		6.95	20
4-Bromofluorobenzene	0.452	0.470		3.98	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VW032378.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032378.D
Acq On : 20 Oct 2025 10:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Oct 21 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	276051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	500417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	466876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	234766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	205038	50.924	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 101.840%			
35) Dibromofluoromethane	7.904	113	173699	53.598	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 107.200%			
50) Toluene-d8	10.325	98	639666	53.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 106.960%			
62) 4-Bromofluorobenzene	12.617	95	235180	52.021	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	85790	49.525	ug/l	94
3) Chloromethane	2.259	50	126734	47.414	ug/l	100
4) Vinyl Chloride	2.405	62	167782	52.579	ug/l	98
5) Bromomethane	2.826	94	122514	52.244	ug/l	99
6) Chloroethane	2.972	64	114864	54.521	ug/l	94
7) Trichlorofluoromethane	3.308	101	138344	57.903	ug/l	91
8) Diethyl Ether	3.722	74	110844	53.538	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.106	101	155412	54.231	ug/l	93
10) Methyl Iodide	4.307	142	232975	56.977	ug/l	97
11) Tert butyl alcohol	5.216	59	64740	212.423	ug/l	97
12) 1,1-Dichloroethene	4.076	96	172650	55.494	ug/l	92
13) Acrolein	3.936	56	43147	87.232	ug/l	97
14) Allyl chloride	4.704	41	281514	53.572	ug/l	90
15) Acrylonitrile	5.405	53	276868	257.055	ug/l	99
16) Acetone	4.167	43	269841	242.037	ug/l	98
17) Carbon Disulfide	4.417	76	472236	55.631	ug/l	99
18) Methyl Acetate	4.710	43	179023	56.056	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	330675	53.964	ug/l	96
20) Methylene Chloride	4.960	84	199566	54.562	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	192705	55.946	ug/l	94
22) Diisopropyl ether	6.344	45	604917	55.352	ug/l	92
23) Vinyl Acetate	6.283	43	1937061	265.367	ug/l	98
24) 1,1-Dichloroethane	6.246	63	364897	54.958	ug/l	99
25) 2-Butanone	7.197	43	380931	250.876	ug/l	98
26) 2,2-Dichloropropane	7.185	77	193268	56.907	ug/l	99
27) cis-1,2-Dichloroethene	7.197	96	226473	54.730	ug/l	93
28) Bromochloromethane	7.532	49	168276	53.869	ug/l	88
29) Tetrahydrofuran	7.551	42	247520	259.216	ug/l	95
30) Chloroform	7.691	83	380098	56.448	ug/l	100
31) Cyclohexane	7.971	56	284615	50.212	ug/l	95
32) 1,1,1-Trichloroethane	7.892	97	270780	56.749	ug/l	99
36) 1,1-Dichloropropene	8.099	75	256579	56.099	ug/l	99
37) Ethyl Acetate	7.270	43	155800	51.178	ug/l	99
38) Carbon Tetrachloride	8.081	117	252146	58.585	ug/l	98
39) Methylcyclohexane	9.343	83	296823	53.803	ug/l	95
40) Benzene	8.337	78	800201	55.818	ug/l	95

Sample Results: **VW032378.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032378.D
Acq On : 20 Oct 2025 10:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	89114	54.317	ug/l		93
42) 1,2-Dichloroethane	8.410	62	257863	54.972	ug/l		99
43) Isopropyl Acetate	8.435	43	295528	54.722	ug/l		99
44) Trichloroethene	9.099	130	182918	54.492	ug/l		92
45) 1,2-Dichloropropane	9.374	63	200994	56.170	ug/l		100
46) Dibromomethane	9.465	93	123268	56.022	ug/l		95
47) Bromodichloromethane	9.654	83	298867	59.385	ug/l		98
48) Methyl methacrylate	9.441	41	138219	52.640	ug/l		95
49) 1,4-Dioxane	9.465	88	33056	1099.123	ug/l		95
51) 4-Methyl-2-Pentanone	10.215	43	860318	275.041	ug/l		99
52) Toluene	10.392	92	513800	57.552	ug/l		98
53) t-1,3-Dichloropropene	10.611	75	281818	57.719	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	321876	57.231	ug/l		94
55) 1,1,2-Trichloroethane	10.788	97	168313	57.233	ug/l		93
56) Ethyl methacrylate	10.648	69	231959	56.352	ug/l	#	94
57) 1,3-Dichloropropane	10.934	76	289077	55.655	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	629980	287.576	ug/l		96
59) 2-Hexanone	10.971	43	610396	276.684	ug/l		99
60) Dibromochloromethane	11.129	129	206640	61.883	ug/l		97
61) 1,2-Dibromoethane	11.239	107	159483	55.617	ug/l		97
64) Tetrachloroethene	10.867	164	147123	52.663	ug/l		96
65) Chlorobenzene	11.660	112	546708	53.221	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.733	131	188463	58.904	ug/l		99
67) Ethyl Benzene	11.733	91	961868	56.174	ug/l		98
68) m/p-Xylenes	11.837	106	744366	112.736	ug/l		100
69) o-Xylene	12.166	106	345708	55.988	ug/l		98
70) Styrene	12.178	104	628107	58.262	ug/l		98
71) Bromoform	12.349	173	112897	61.560	ug/l	#	95
73) Isopropylbenzene	12.464	105	876325	54.560	ug/l		100
74) N-amyl acetate	12.269	43	262286	51.189	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	203868	51.119	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	153664m	49.739	ug/l		
77) Bromobenzene	12.745	156	208716	53.907	ug/l		91
78) n-propylbenzene	12.800	91	1092673	54.462	ug/l		98
79) 2-Chlorotoluene	12.891	91	652667	53.203	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	752875	54.209	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.513	75	70326	57.667	ug/l		92
82) 4-Chlorotoluene	12.983	91	709987	54.437	ug/l		98
83) tert-Butylbenzene	13.202	119	640849	56.237	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	771106	54.602	ug/l		99
85) sec-Butylbenzene	13.379	105	936126	53.756	ug/l		99
86) p-Isopropyltoluene	13.495	119	800220	55.381	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	414615	52.884	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	423851	54.068	ug/l		96
89) n-Butylbenzene	13.818	91	753562	53.414	ug/l		98
90) Hexachloroethane	14.086	117	154192	59.535	ug/l		95
91) 1,2-Dichlorobenzene	13.861	146	376678	53.150	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	37022	53.021	ug/l		89
93) 1,2,4-Trichlorobenzene	15.123	180	224715	52.878	ug/l		99
94) Hexachlorobutadiene	15.226	225	105887	54.498	ug/l		92
95) Naphthalene	15.360	128	542330	53.140	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	211711	52.854	ug/l		100

Sample Results: **VW032378.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032378.D
Acq On : 20 Oct 2025 10:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

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

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

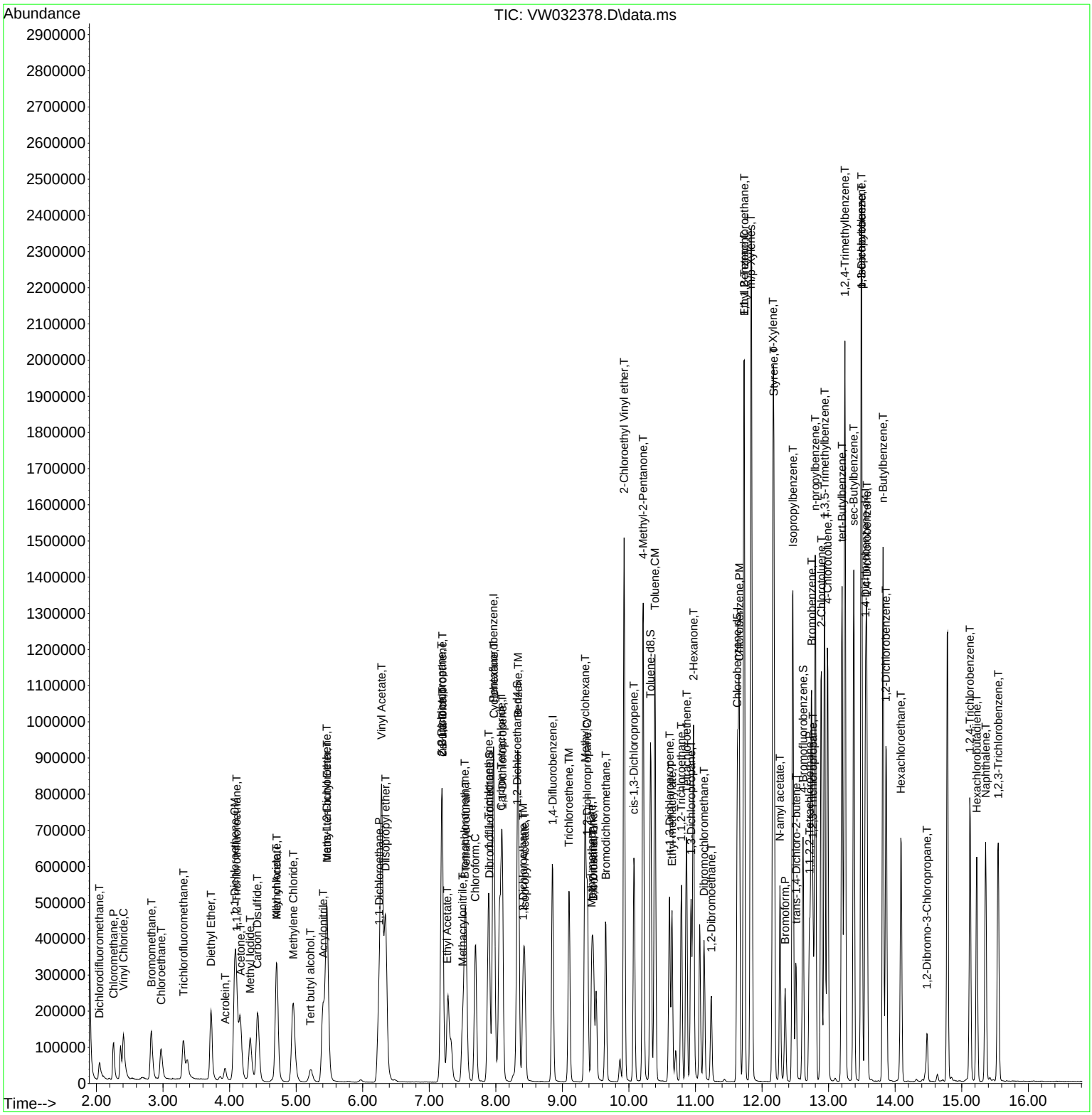
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Data File : VW032378.D
Acq On : 20 Oct 2025 10:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

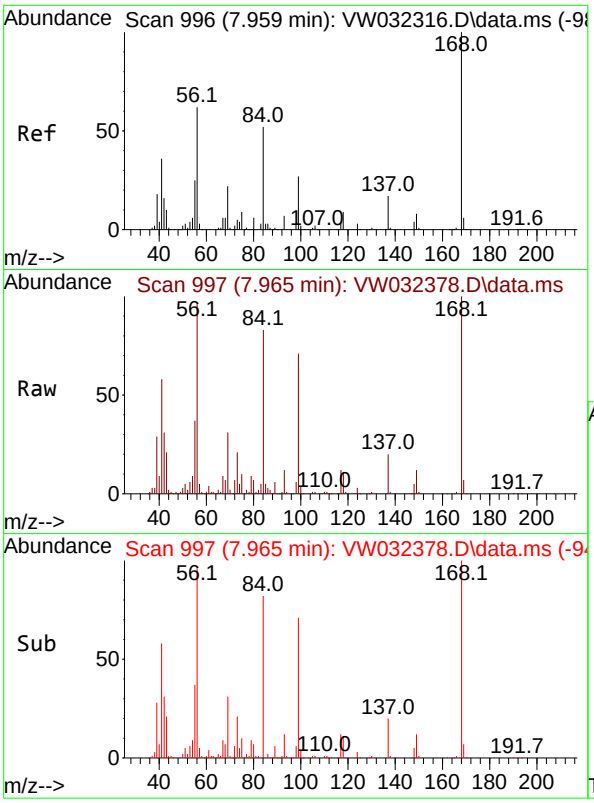
Quant Time: Oct 21 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

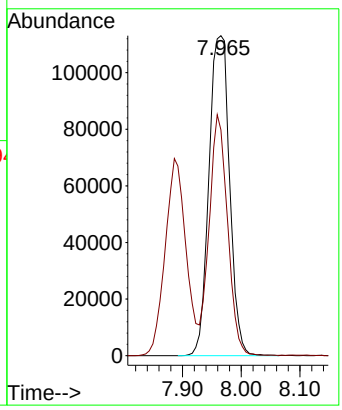
Tgt Ion:168 Resp: 27605

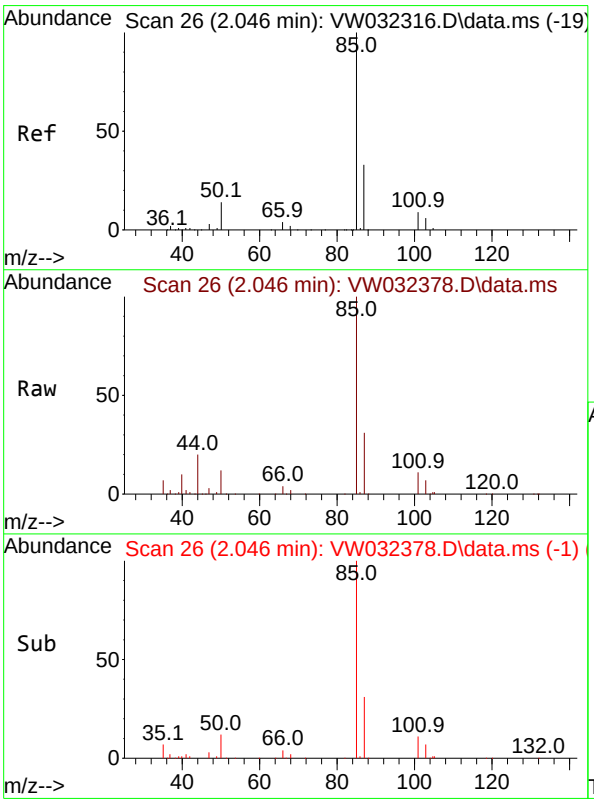
Ion	Ratio	Lower	Upper
168	100		
99	70.4	49.3	73.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

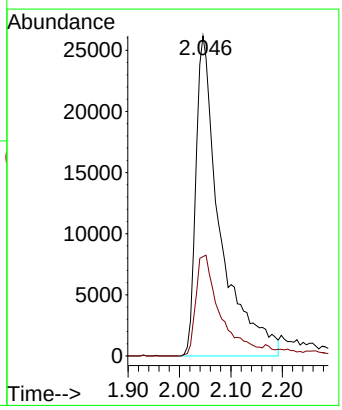


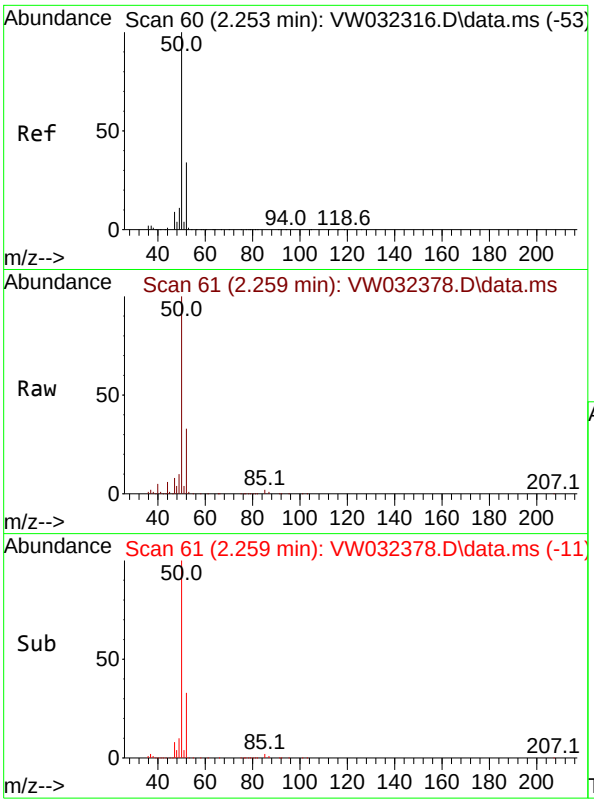


#2
Dichlorodifluoromethane
Concen: 49.525 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 85 Resp: 85790

Ion	Ratio	Lower	Upper
85	100		
87	31.0	17.2	51.6

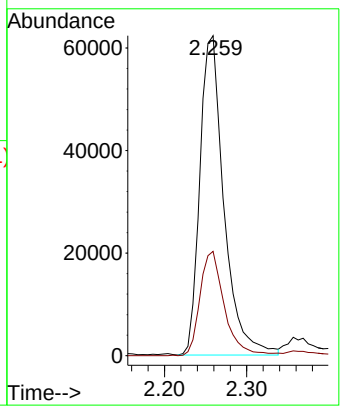




#3
Chloromethane
Concen: 47.414 ug/l
RT: 2.259 min Scan# 6
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 50 Resp: 12673

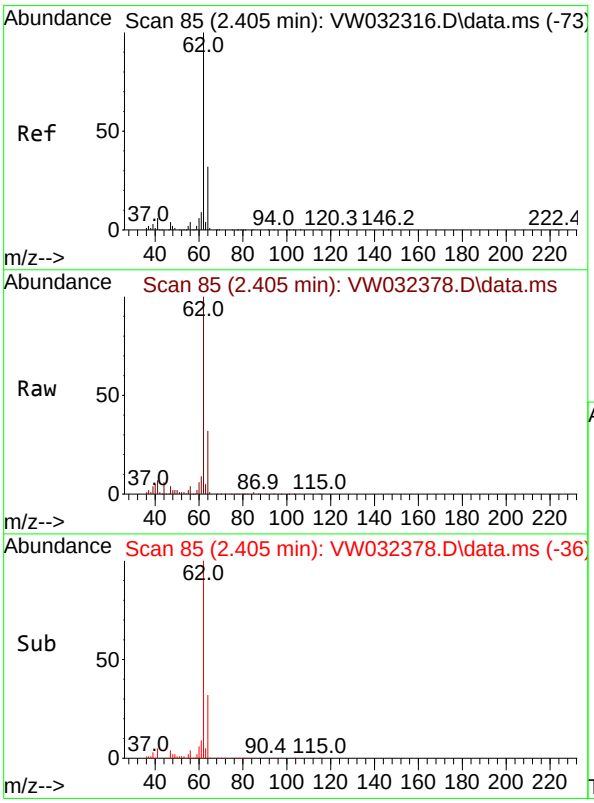
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

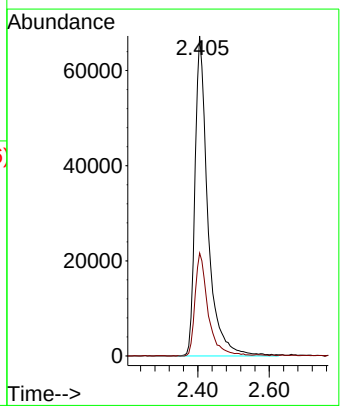
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

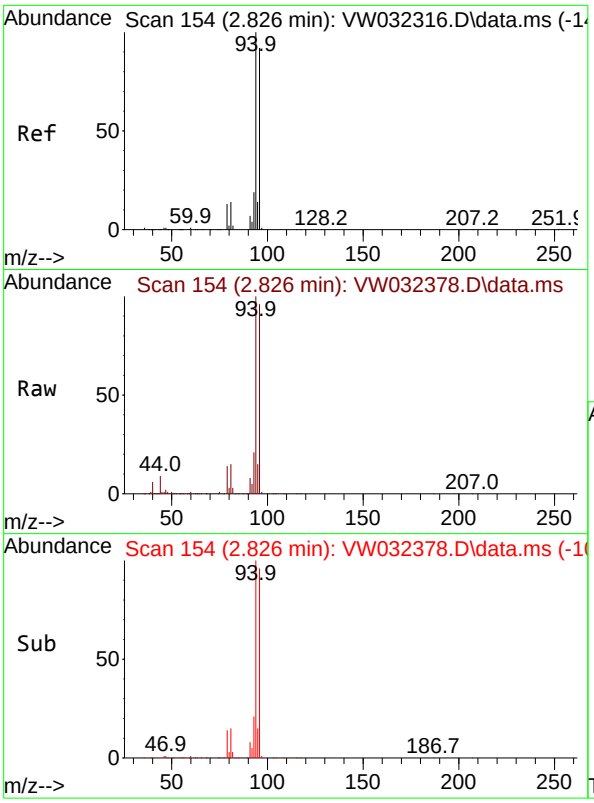


#4
Vinyl Chloride
Concen: 52.579 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 62 Resp: 167782

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.8	37.2

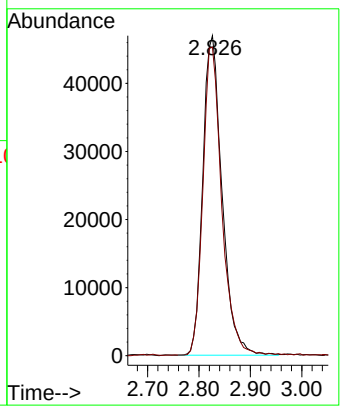




#5
Bromomethane
Concen: 52.244 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 94 Resp: 12251

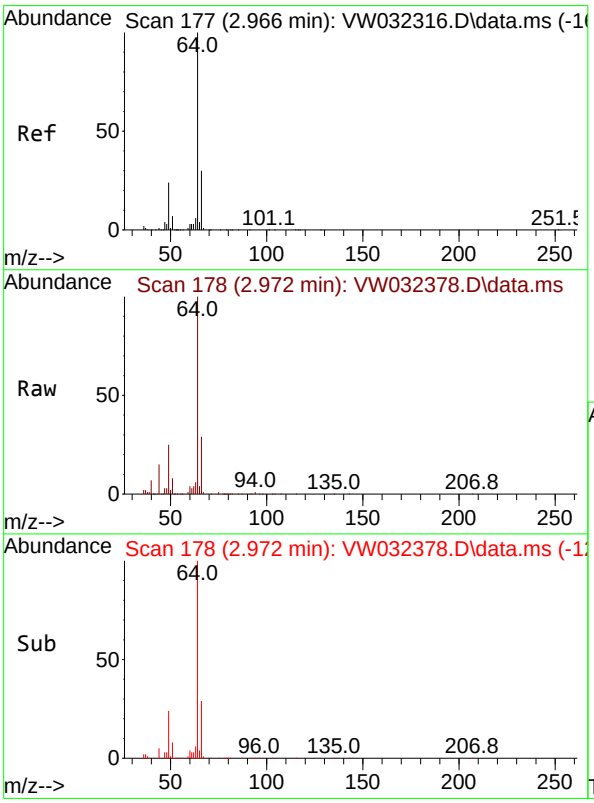
Ion	Ratio	Lower	Upper
94	100		
96	96.3	76.6	115.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

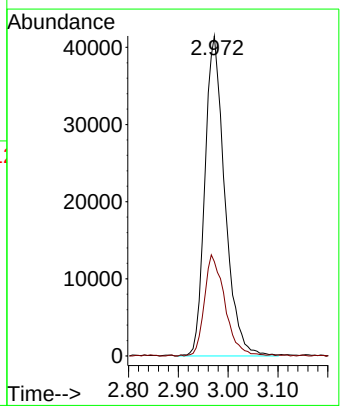
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

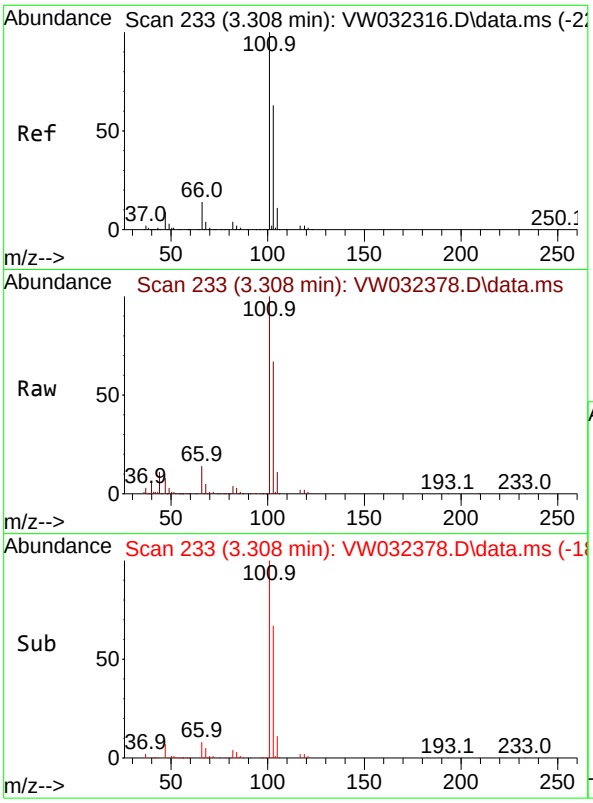


#6
Chloroethane
Concen: 54.521 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 64 Resp: 114864

Ion	Ratio	Lower	Upper
64	100		
66	29.2	26.2	39.4





#7
Trichlorofluoromethane
Concen: 57.903 ug/l
RT: 3.308 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

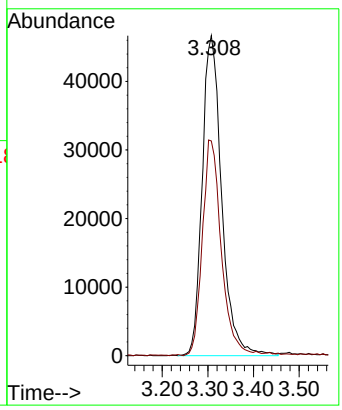
Tgt Ion:101 Resp: 13834

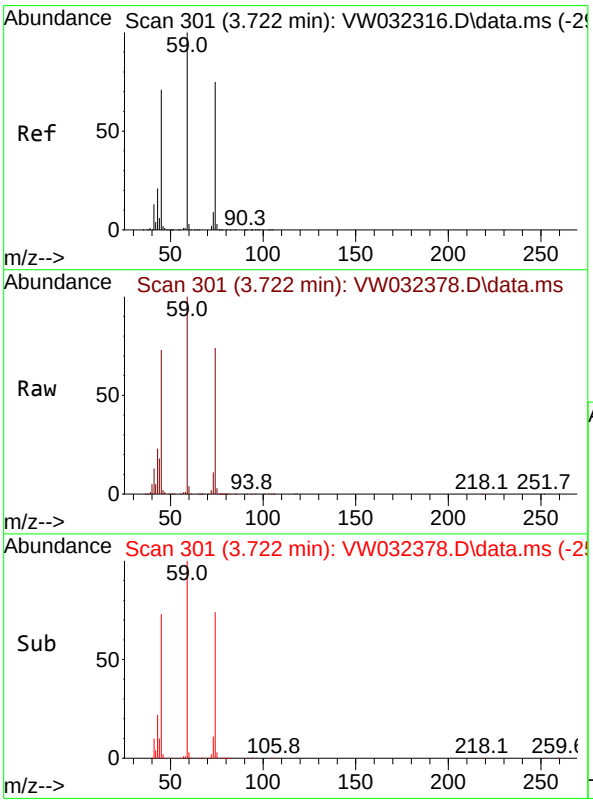
Ion	Ratio	Lower	Upper
101	100		
103	66.8	47.8	71.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

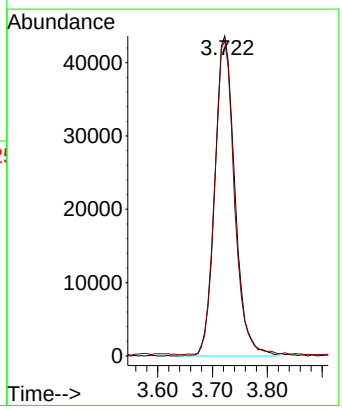


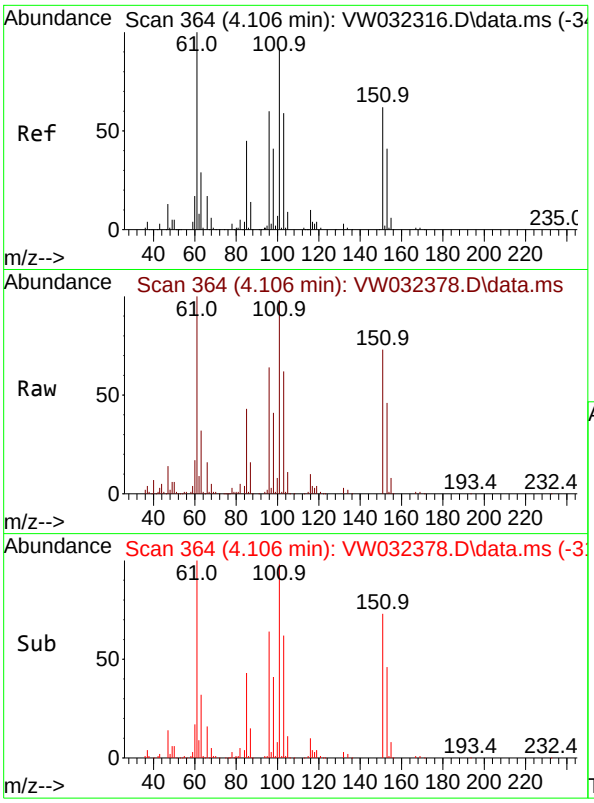


#8
Diethyl Ether
Concen: 53.538 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 74 Resp: 110844

Ion	Ratio	Lower	Upper
74	100		
45	96.3	43.1	129.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.231 ug/l
RT: 4.106 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

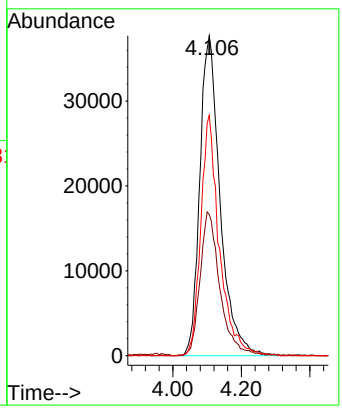
Tgt Ion:101 Resp: 15541

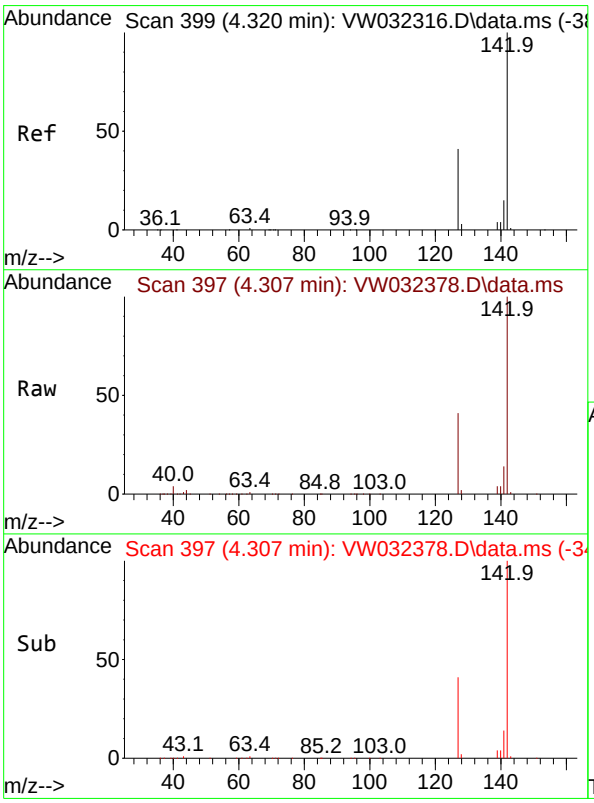
Ion	Ratio	Lower	Upper
101	100		
85	44.0	37.1	55.7
151	68.5	61.5	92.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

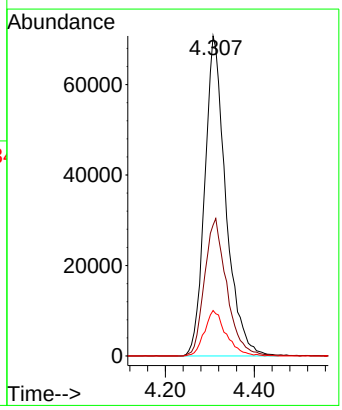


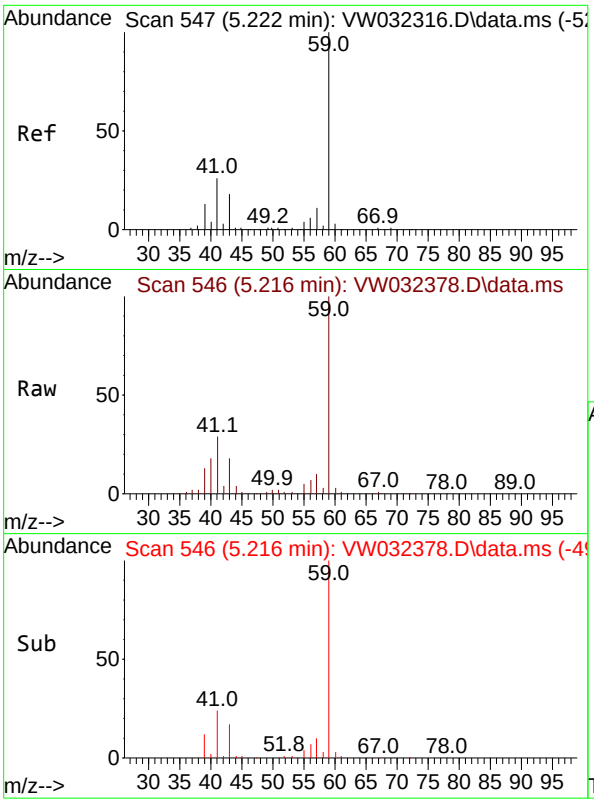


#10
Methyl Iodide
Concen: 56.977 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:142 Resp: 232975

Ion	Ratio	Lower	Upper
142	100		
127	45.4	38.2	57.2
141	14.7	12.2	18.2

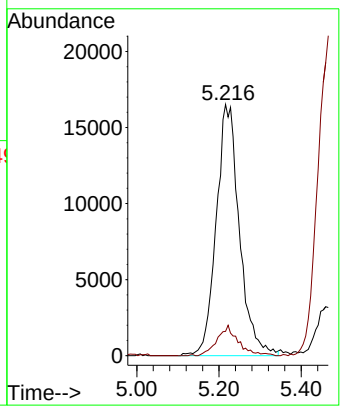




#11
Tert butyl alcohol
Concen: 212.423 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 59 Resp: 6474(

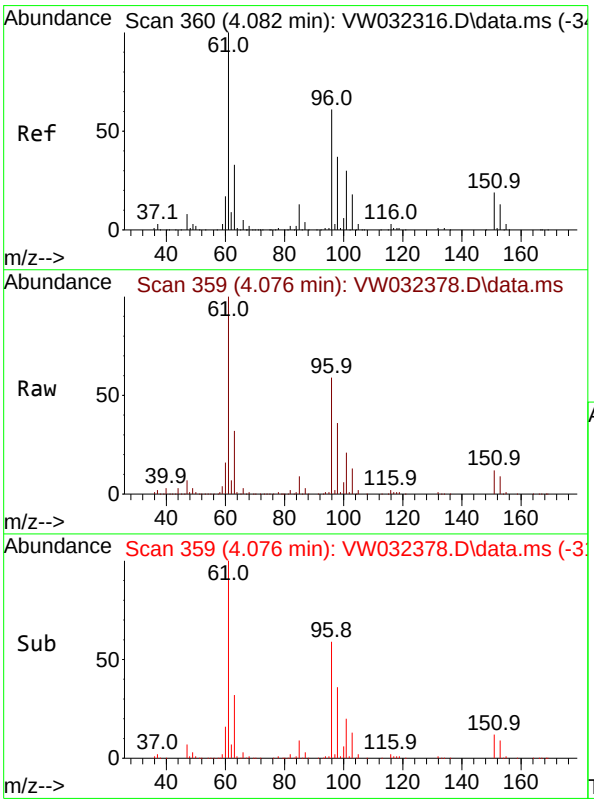
Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.8	14.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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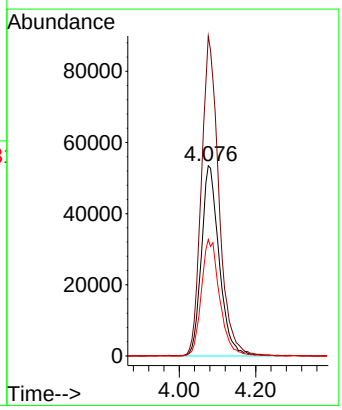
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

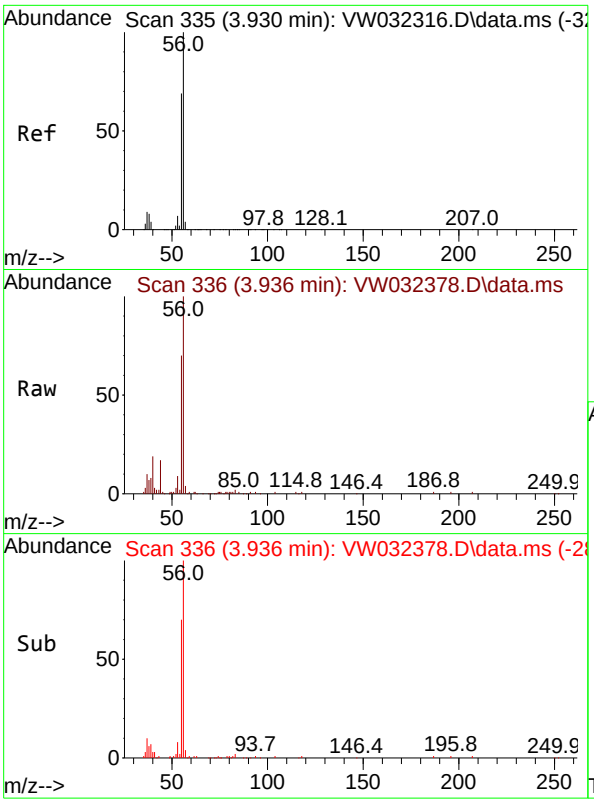


#12
1,1-Dichloroethene
Concen: 55.494 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 96 Resp: 172650

Ion	Ratio	Lower	Upper
96	100		
61	168.0	123.0	184.4
98	61.1	48.5	72.7

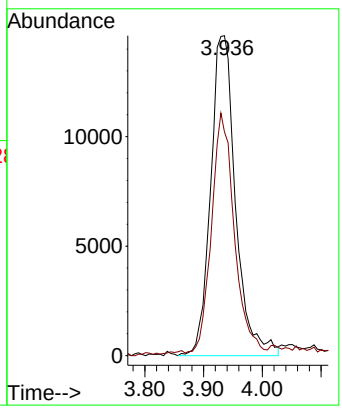




#13
Acrolein
Concen: 87.232 ug/l
RT: 3.936 min Scan# 3
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 56 Resp: 4314

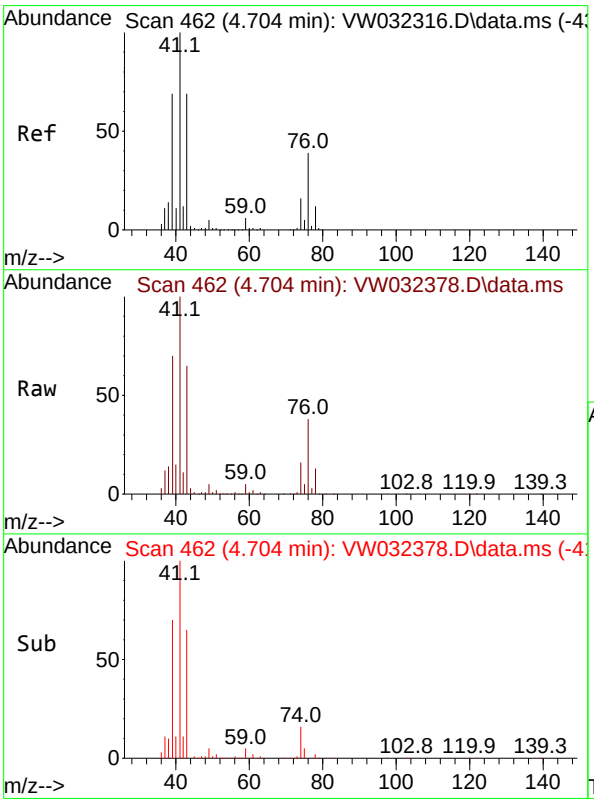
Ion	Ratio	Lower	Upper
56	100		
55	68.0	56.4	84.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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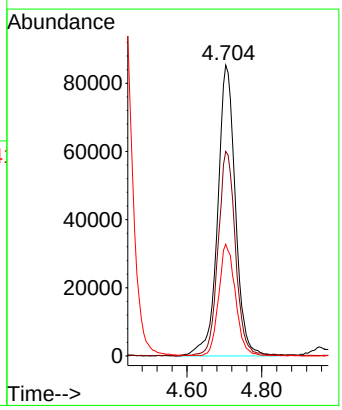
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

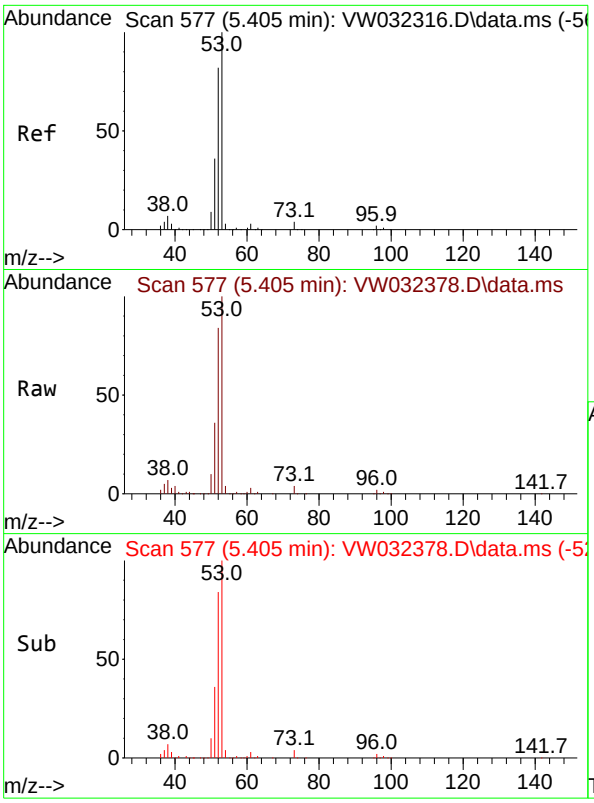


#14
Allyl chloride
Concen: 53.572 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 41 Resp: 281514

Ion	Ratio	Lower	Upper
41	100		
39	69.1	64.1	96.1
76	35.9	31.4	47.2





#15
Acrylonitrile
Concen: 257.055 ug/l
RT: 5.405 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

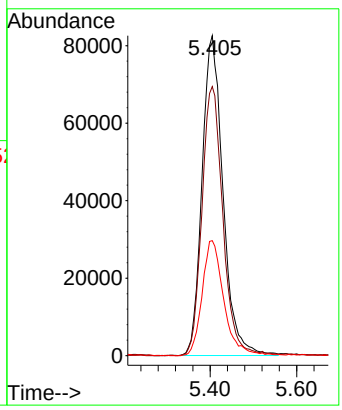
Tgt Ion: 53 Resp: 27686

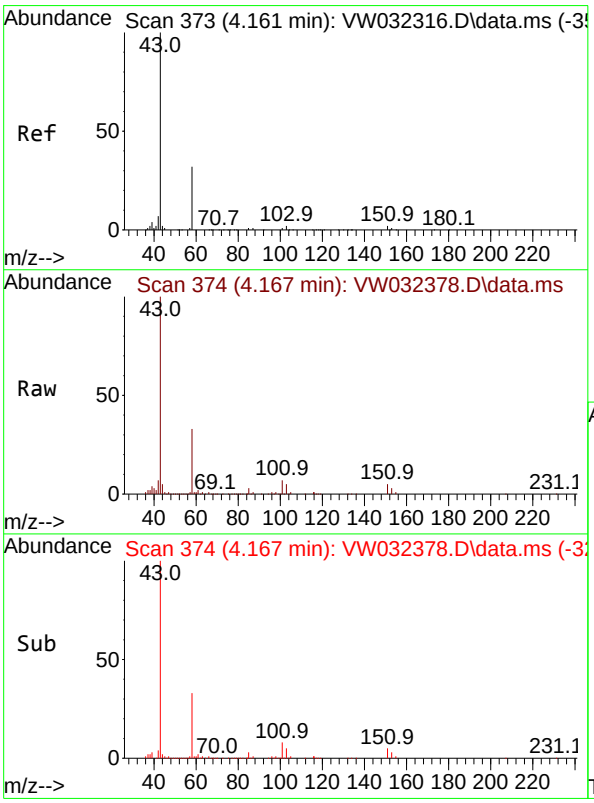
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.4	101.2
51	37.4	30.3	45.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

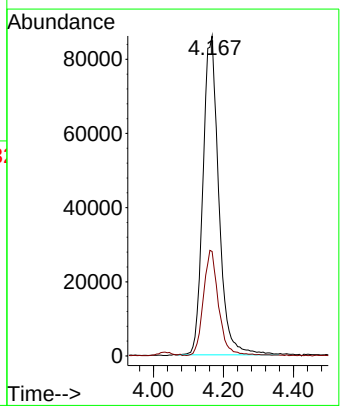


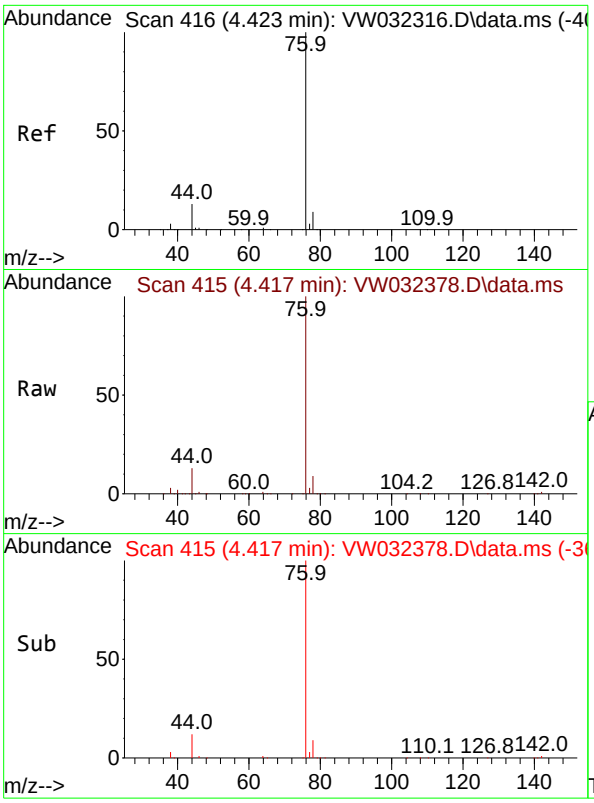


#16
Acetone
Concen: 242.037 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 43 Resp: 269841

Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.3	37.9

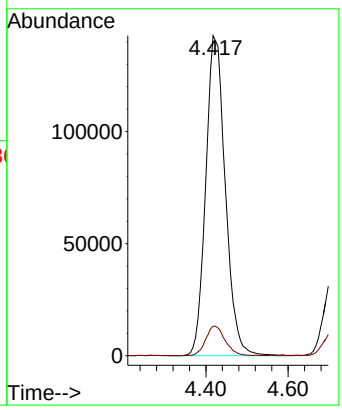




#17
Carbon Disulfide
Concen: 55.631 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 76 Resp: 47223

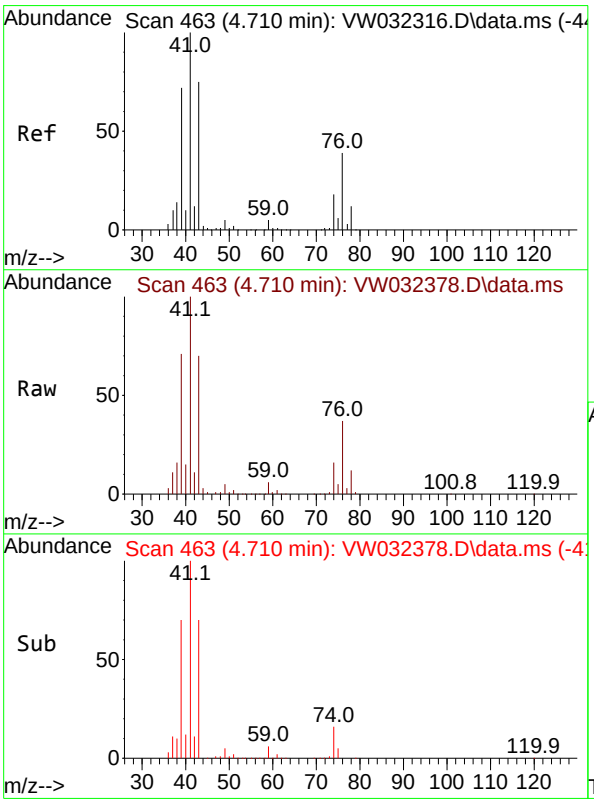
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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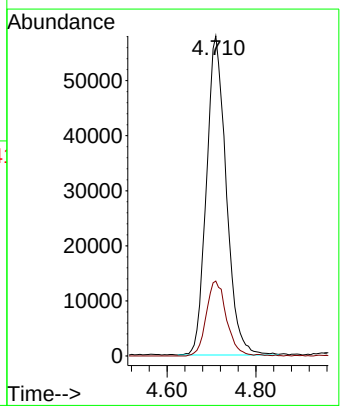
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

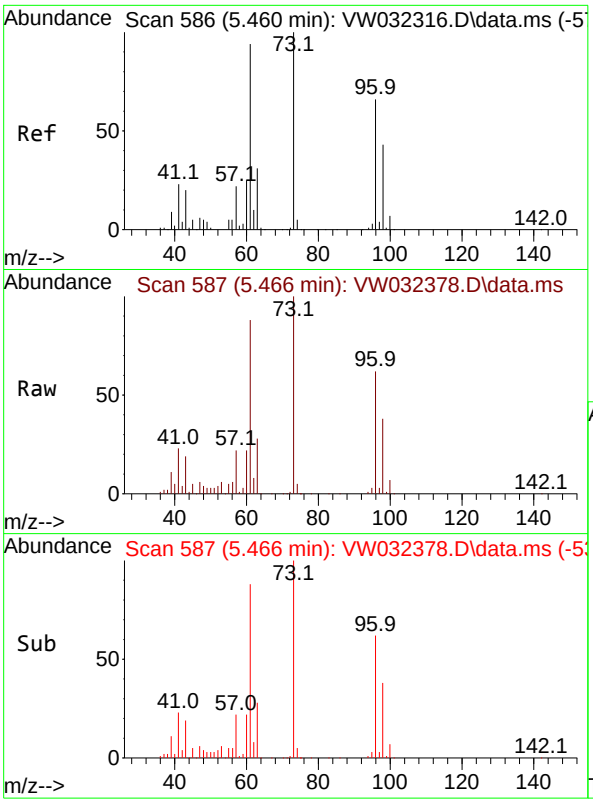


#18
Methyl Acetate
Concen: 56.056 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 43 Resp: 179023

Ion	Ratio	Lower	Upper
43	100		
74	23.9	20.2	30.4

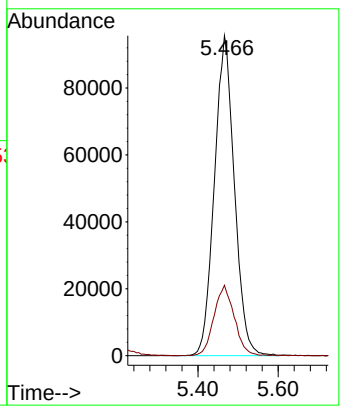




#19
Methyl tert-butyl Ether
Concen: 53.964 ug/l
RT: 5.466 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 73 Resp: 33067

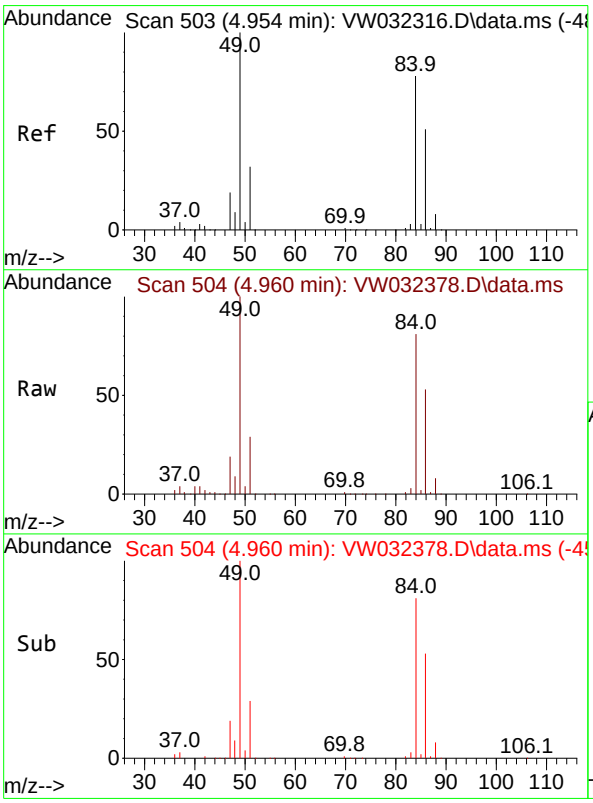
Ion	Ratio	Lower	Upper
73	100		
57	22.0	16.2	24.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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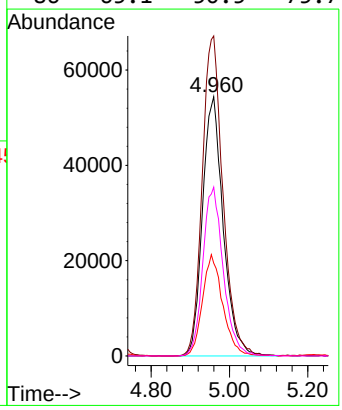
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

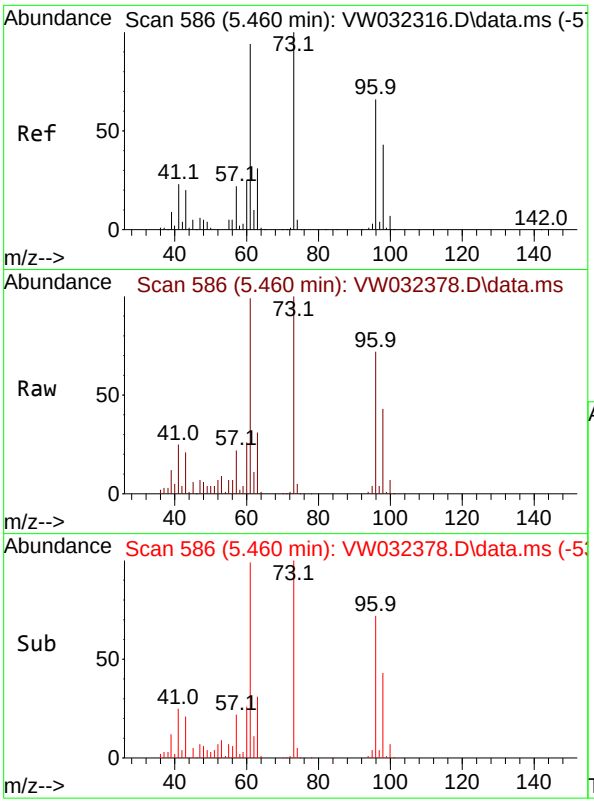


#20
Methylene Chloride
Concen: 54.562 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 84 Resp: 199566

Ion	Ratio	Lower	Upper
84	100		
49	123.4	92.2	138.4
51	35.8	31.0	46.6
86	65.1	50.5	75.7

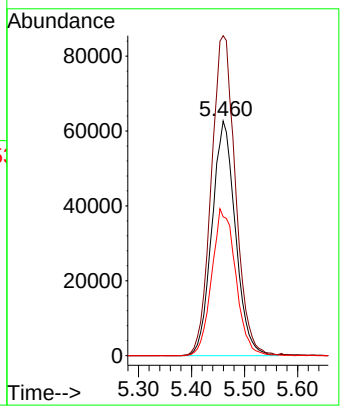




#21
trans-1,2-Dichloroethene
Concen: 55.946 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 96 Resp: 19270

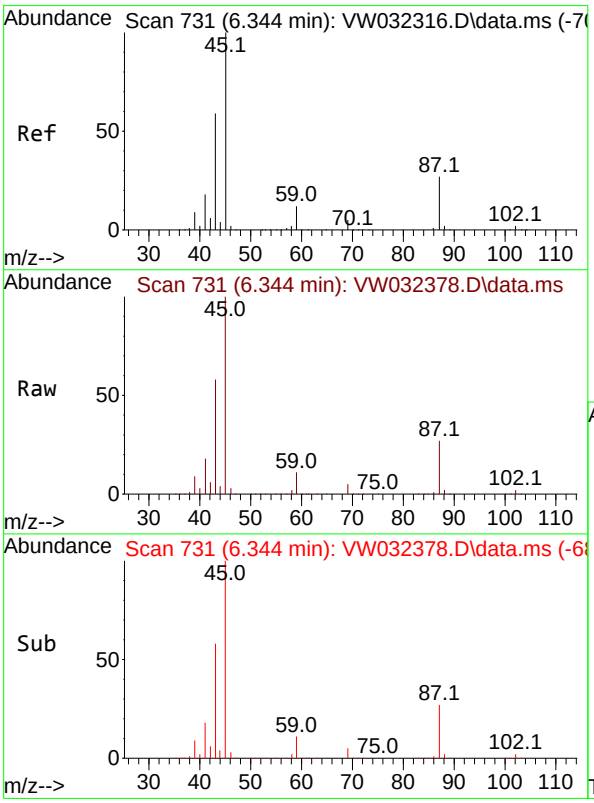
Ion	Ratio	Lower	Upper
96	100		
61	136.3	112.5	168.7
98	59.2	54.2	81.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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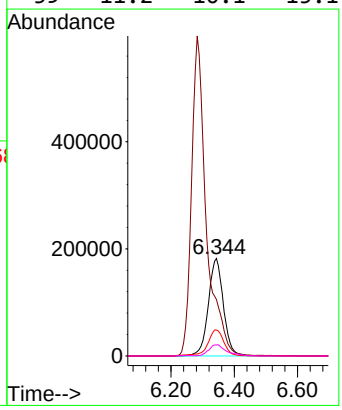
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

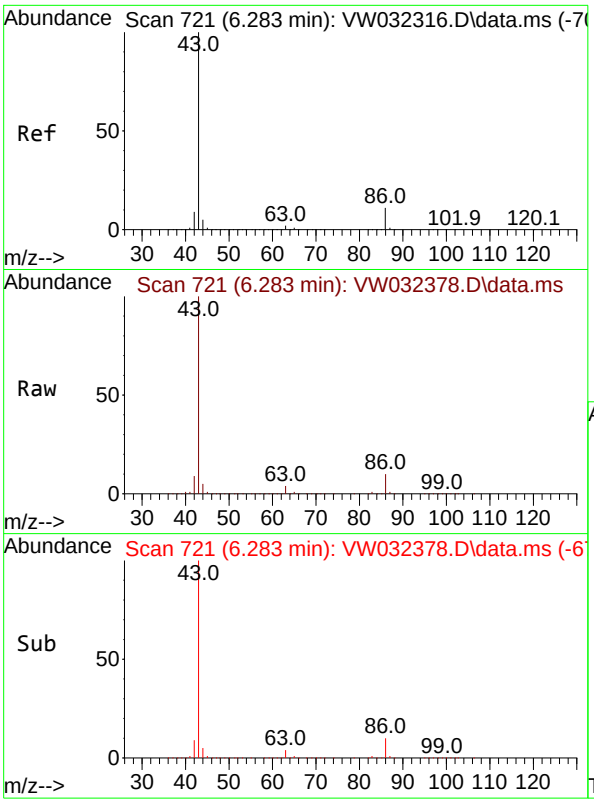


#22
Diisopropyl ether
Concen: 55.352 ug/l
RT: 6.344 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 45 Resp: 604917

Ion	Ratio	Lower	Upper
45	100		
43	57.6	51.4	77.2
87	26.6	25.9	38.9
59	11.2	10.1	15.1





#23
Vinyl Acetate
Concen: 265.367 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

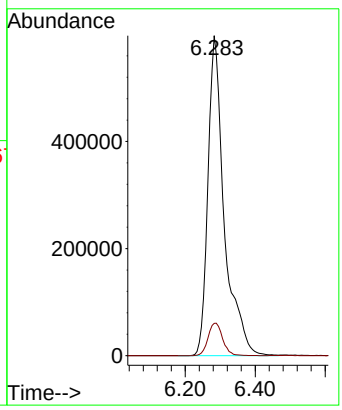
Tgt Ion: 43 Resp: 193706

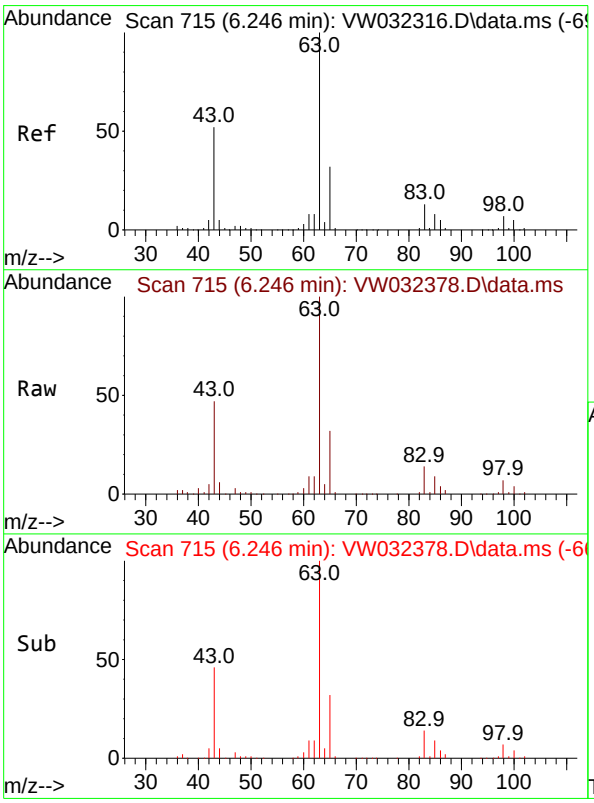
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.8	13.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

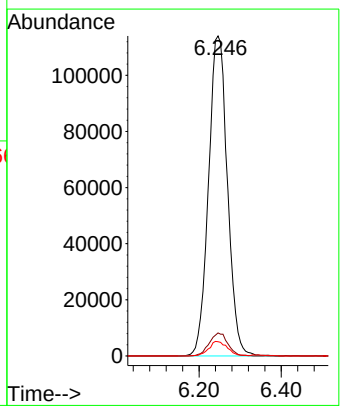


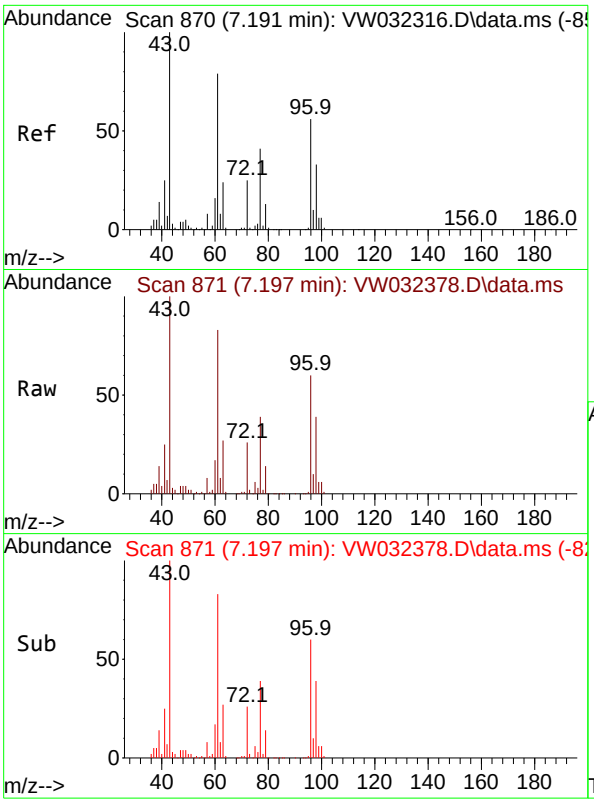


#24
1,1-Dichloroethane
Concen: 54.958 ug/l
RT: 6.246 min Scan# 715
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 63 Resp: 364897

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.8	11.2
100	4.5	2.5	7.5





#25
2-Butanone
Concen: 250.876 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

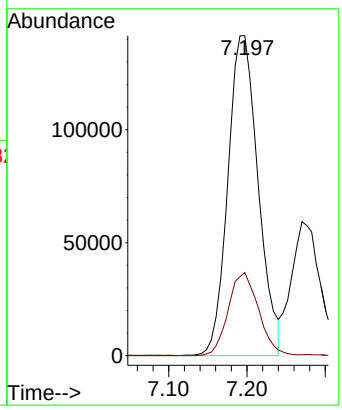
Tgt Ion: 43 Resp: 38093

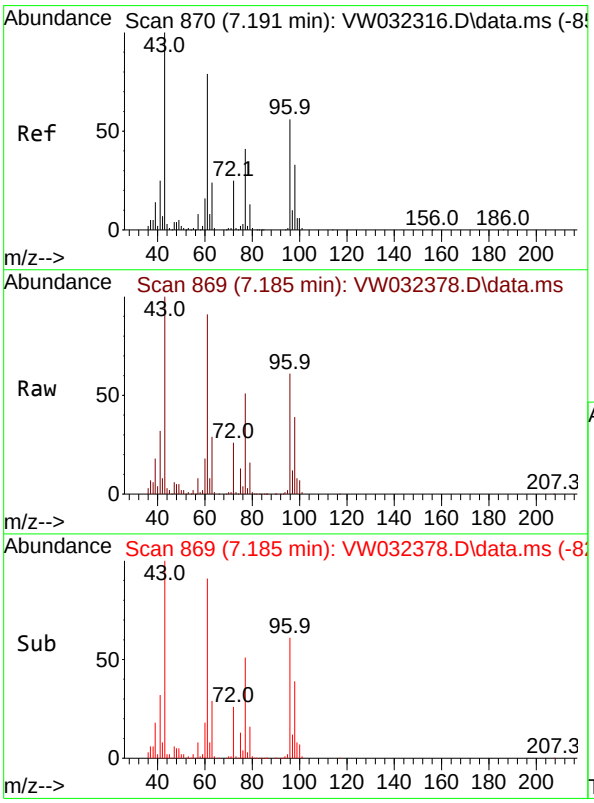
Ion	Ratio	Lower	Upper
43	100		
72	26.0	21.4	32.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

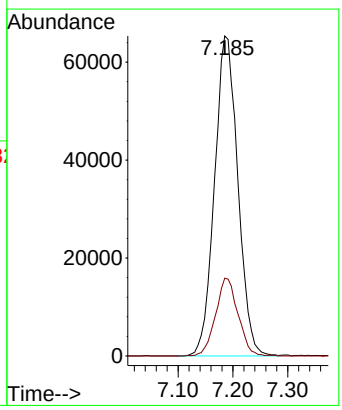


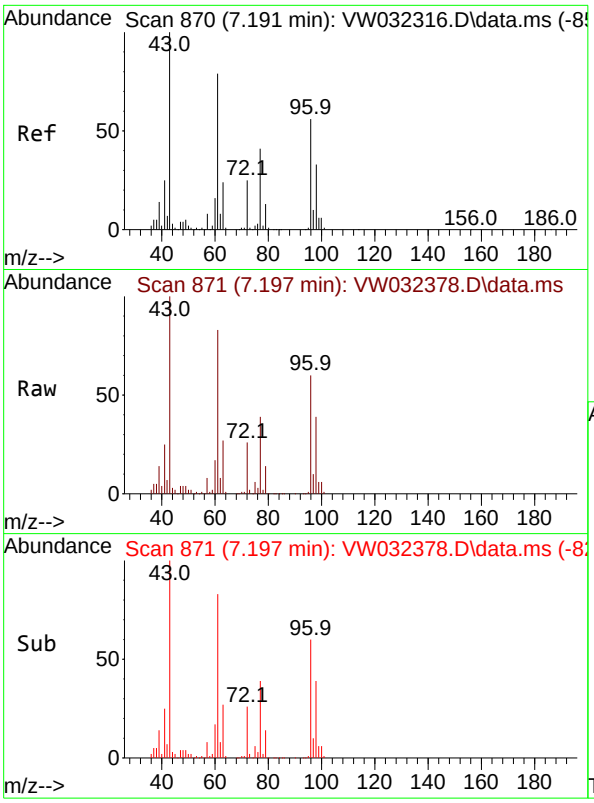


#26
2,2-Dichloropropane
Concen: 56.907 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 77 Resp: 193268

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.9	35.5





#27
cis-1,2-Dichloroethene
Concen: 54.730 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

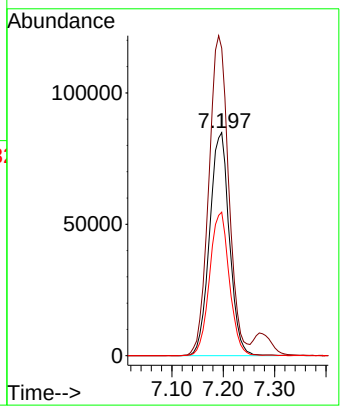
Tgt Ion: 96 Resp: 22647

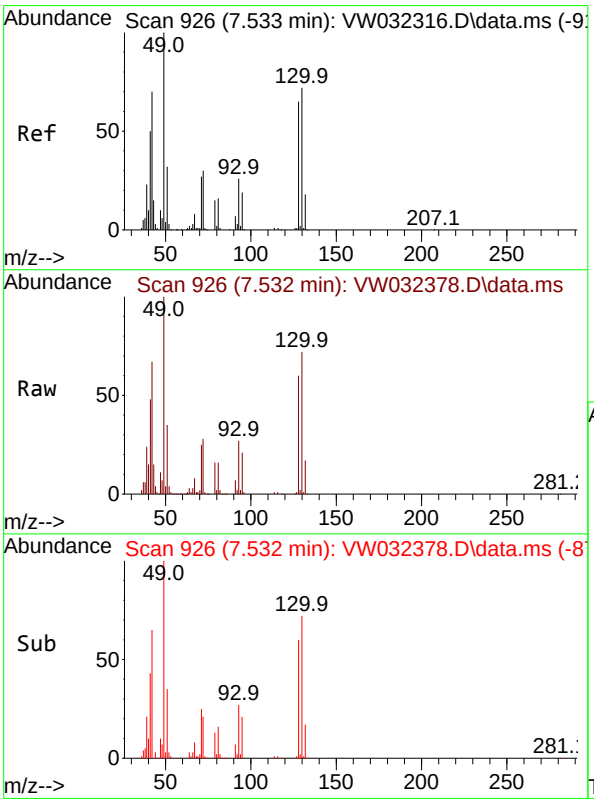
Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	268.0
98	64.3	0.0	130.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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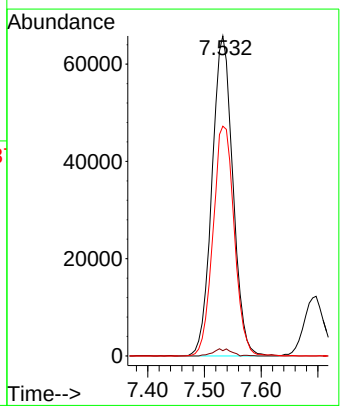


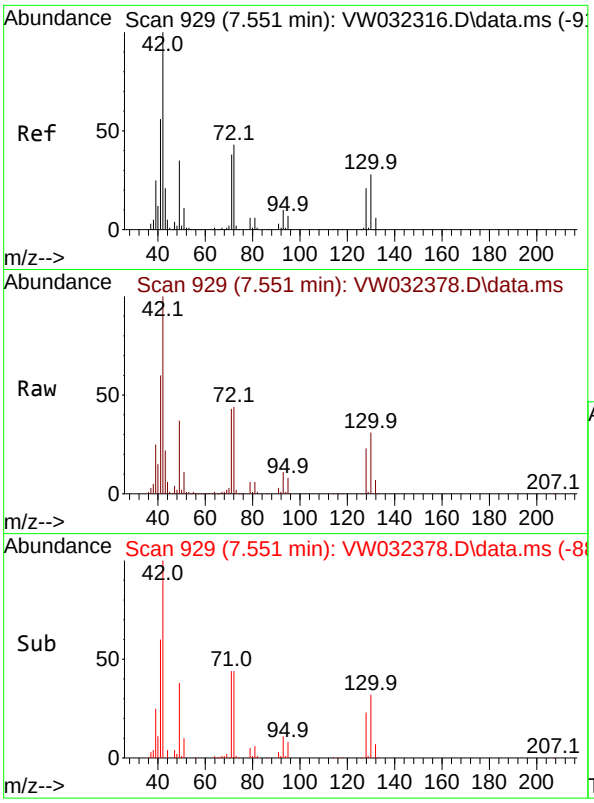


#28
Bromochloromethane
Concen: 53.869 ug/l
RT: 7.532 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 49 Resp: 168276

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	73.1	67.5	101.3

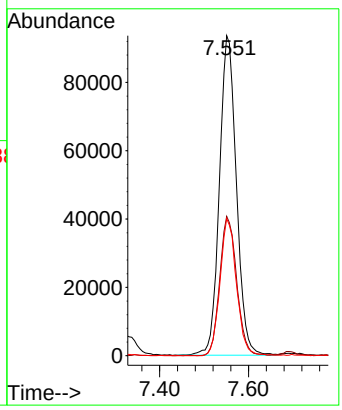




#29
Tetrahydrofuran
Concen: 259.216 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 42 Resp: 24752

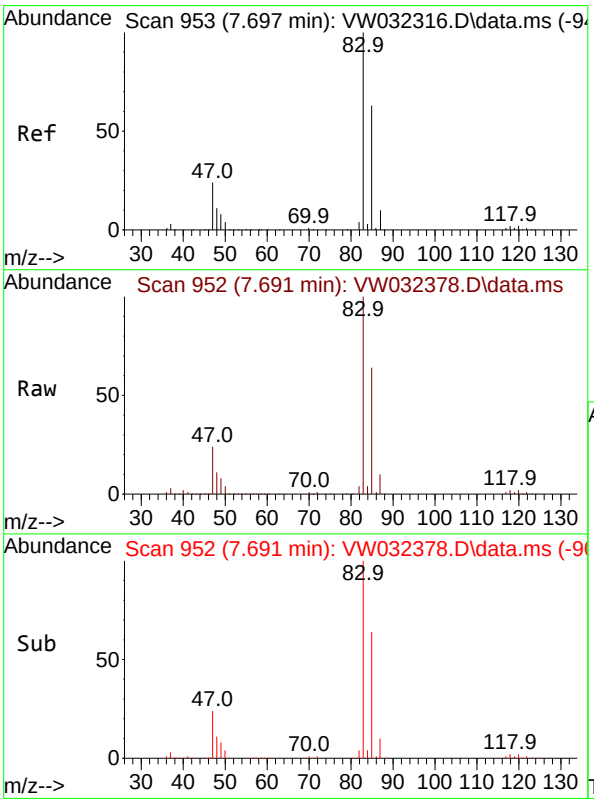
Ion	Ratio	Lower	Upper
42	100		
72	43.6	37.4	56.2
71	41.5	36.0	54.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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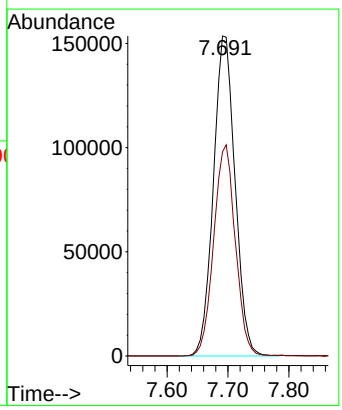
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

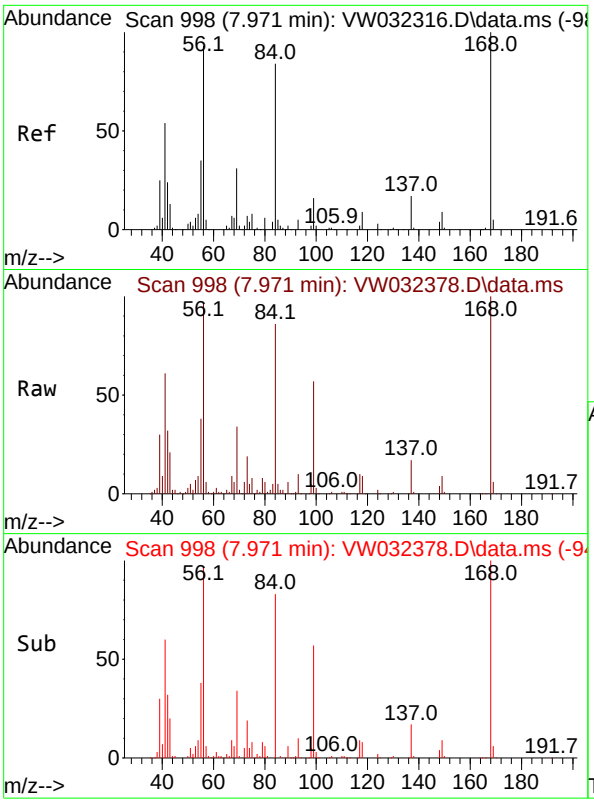


#30
Chloroform
Concen: 56.448 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 83 Resp: 380098

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.2	76.8





#31
Cyclohexane
Concen: 50.212 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

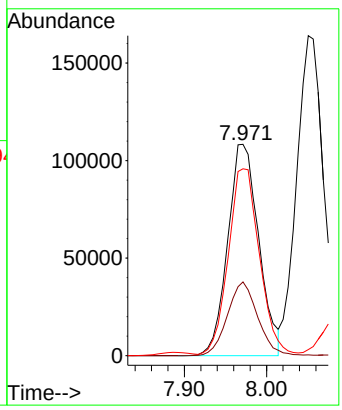
Tgt Ion: 56 Resp: 28461

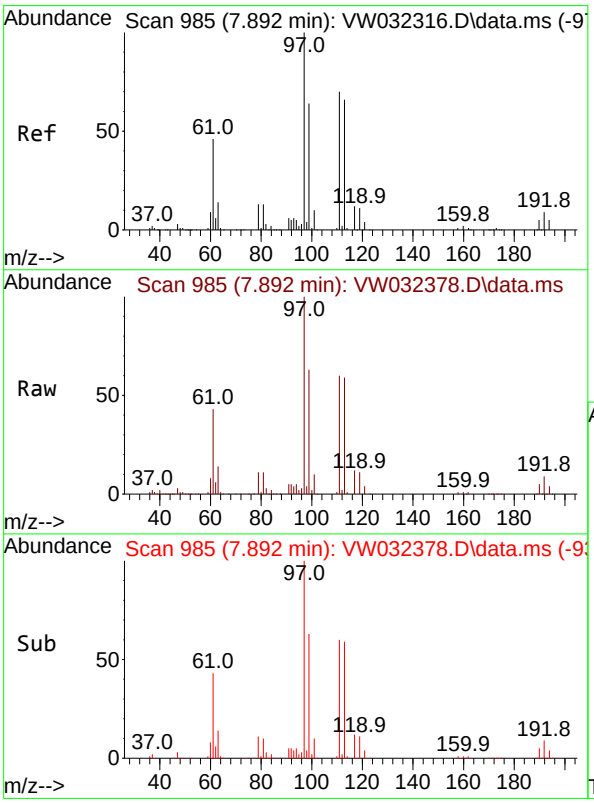
Ion	Ratio	Lower	Upper
56	100		
69	34.9	27.7	41.5
84	86.9	74.6	112.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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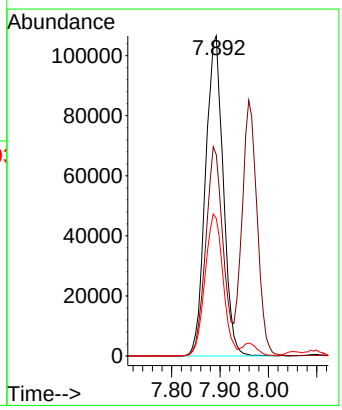


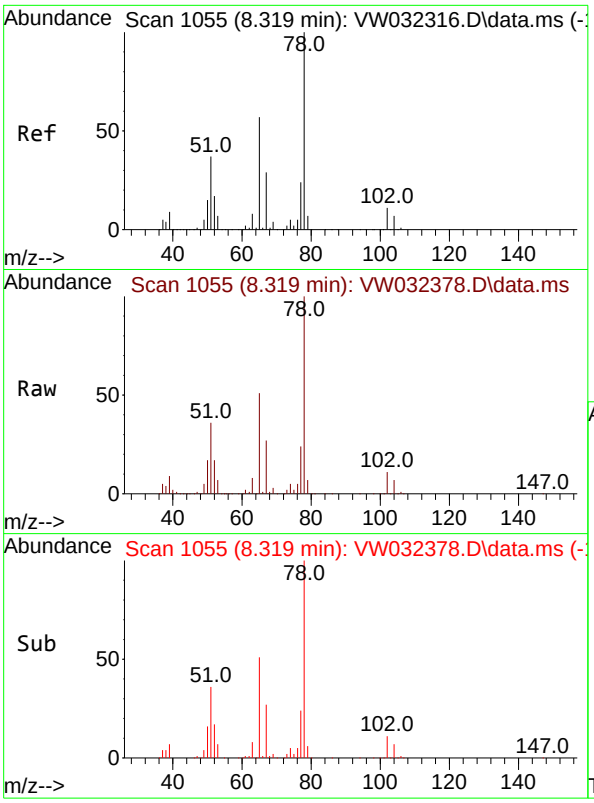


#32
1,1,1-Trichloroethane
Concen: 56.749 ug/l
RT: 7.892 min Scan# 985
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 97 Resp: 270780

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.9	76.3
61	45.2	36.2	54.4





#33
1,2-Dichloroethane-d4
Concen: 50.924 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

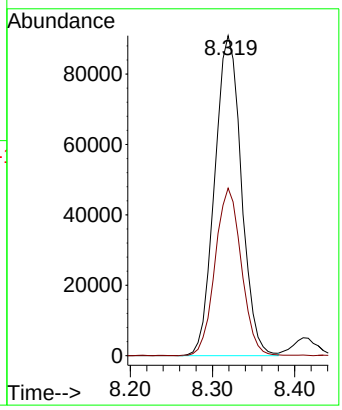
Tgt Ion: 65 Resp: 20503

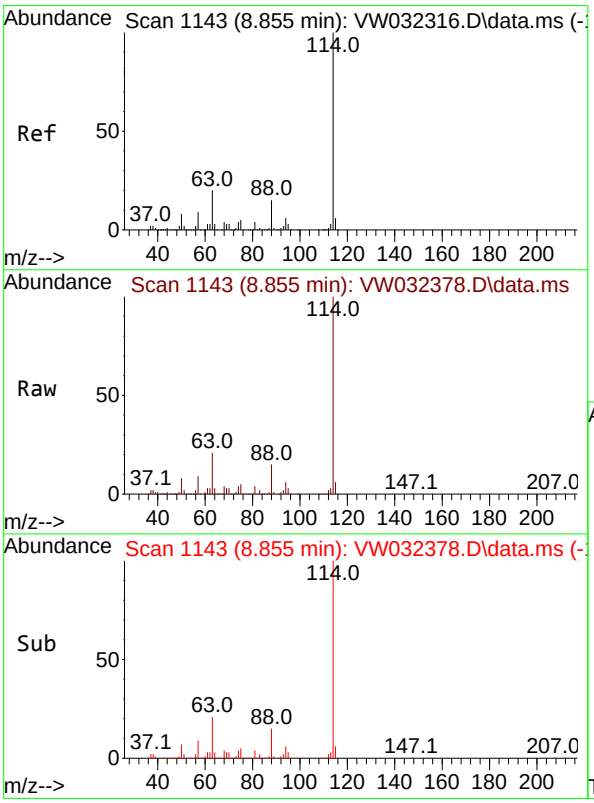
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	99.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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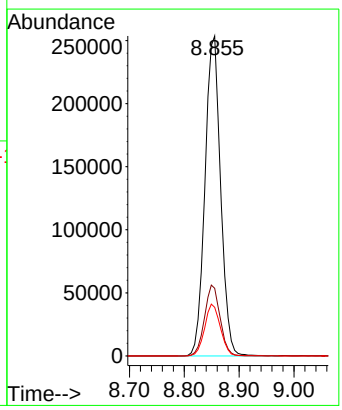


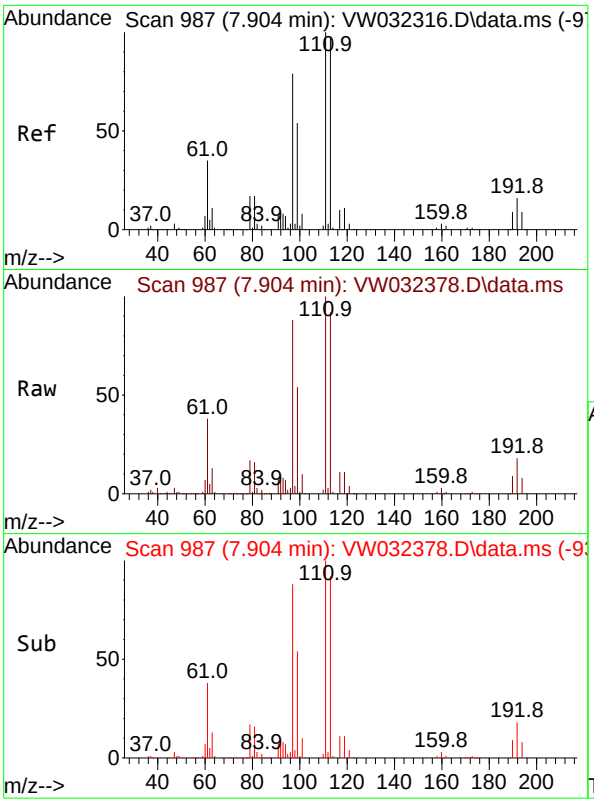


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:114 Resp: 500417

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.4
88	15.2	0.0	32.0





#35
Dibromofluoromethane
Concen: 53.598 ug/l
RT: 7.904 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

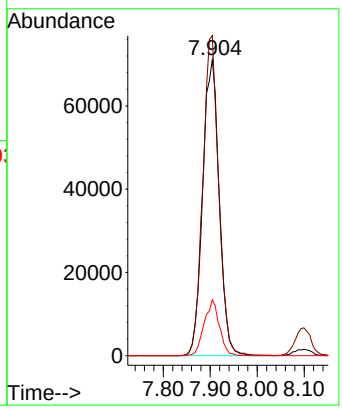
Tgt Ion:113 Resp: 17369

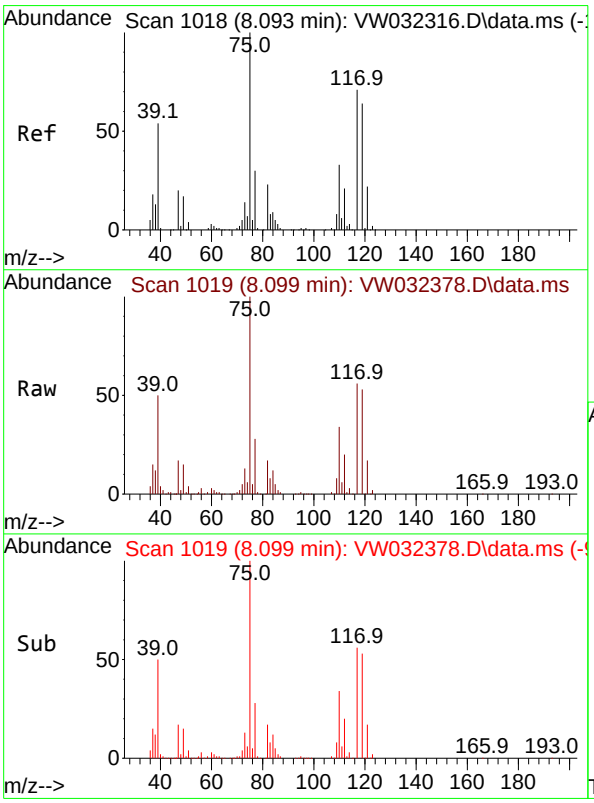
Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.9	125.9
192	17.3	14.6	21.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Supervised By :Semsettin Yesilyurt 10/21/2025

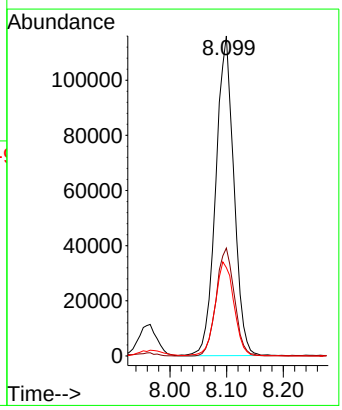


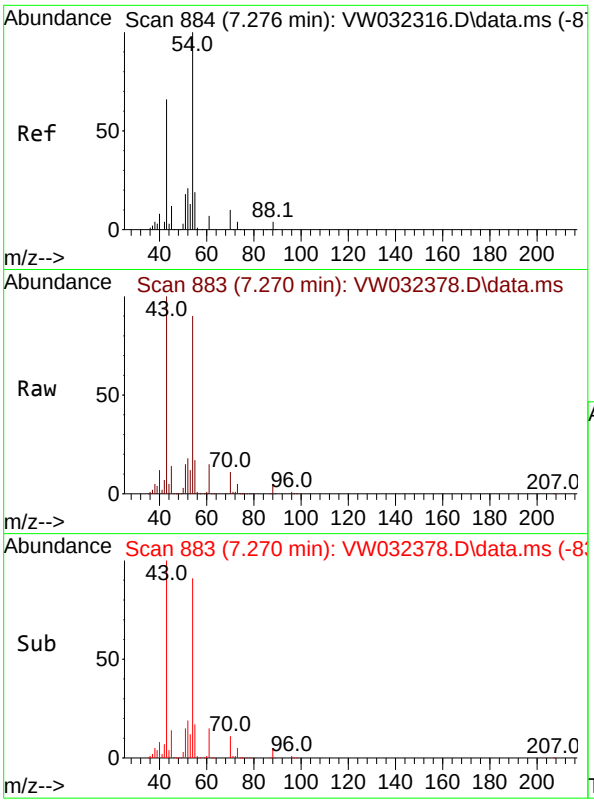


#36
1,1-Dichloropropene
Concen: 56.099 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 75 Resp: 256579

Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.5	52.5
77	30.6	24.1	36.1

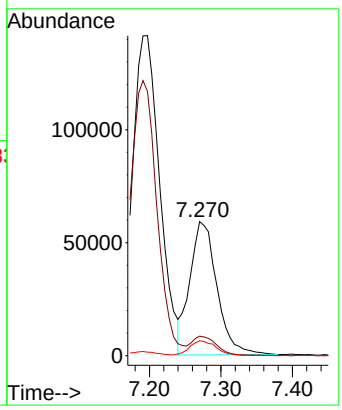




#37
Ethyl Acetate
Concen: 51.178 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 43 Resp: 15580

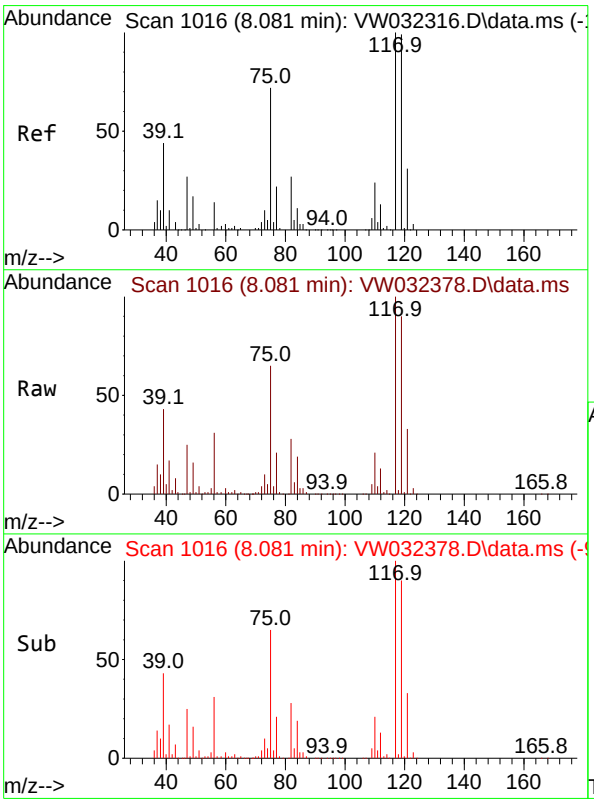
Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.3	16.9
70	10.7	8.9	13.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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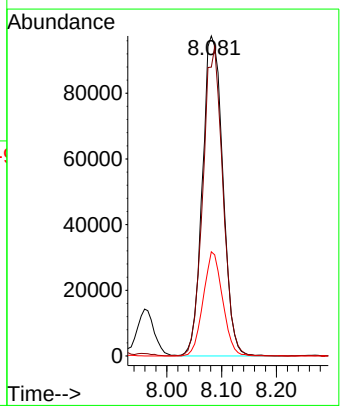
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

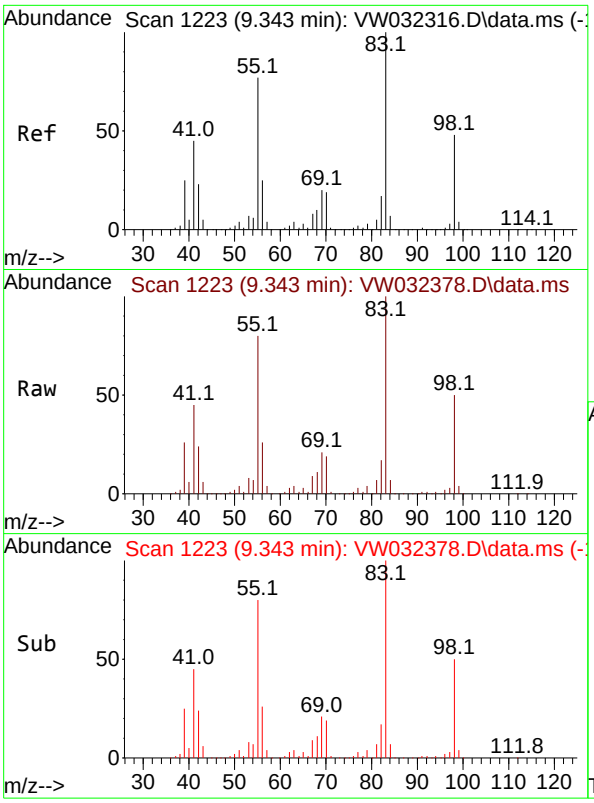


#38
Carbon Tetrachloride
Concen: 58.585 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:117 Resp: 252146

Ion	Ratio	Lower	Upper
117	100		
119	90.2	74.2	111.2
121	32.5	25.6	38.4





#39
Methylcyclohexane
Concen: 53.803 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

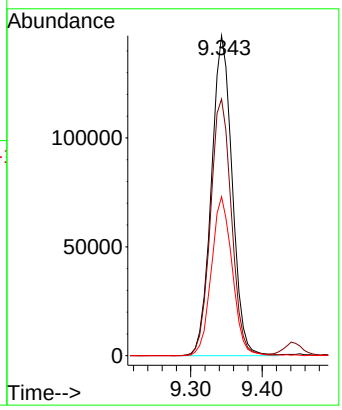
Tgt Ion: 83 Resp: 29682

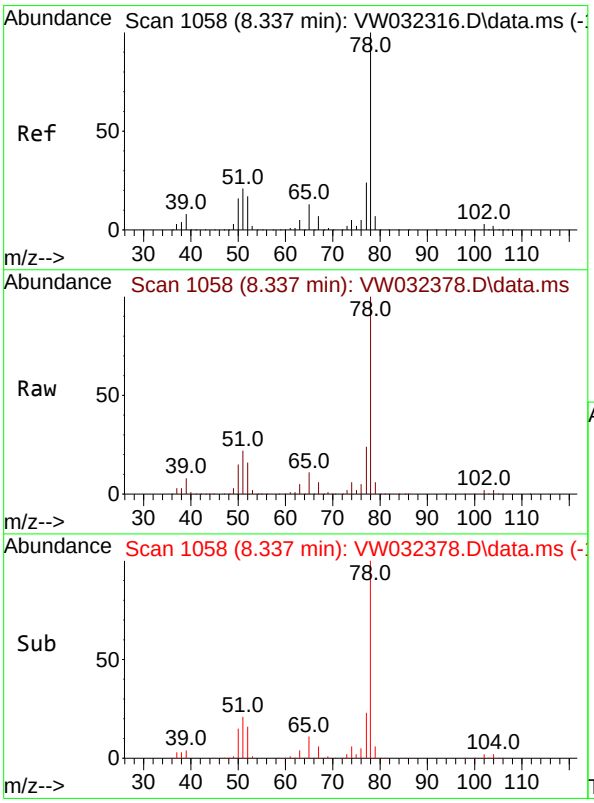
Ion	Ratio	Lower	Upper
83	100		
55	80.2	58.4	87.6
98	49.7	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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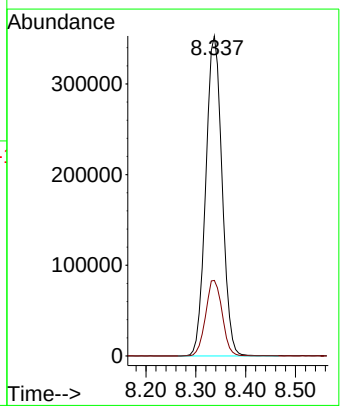


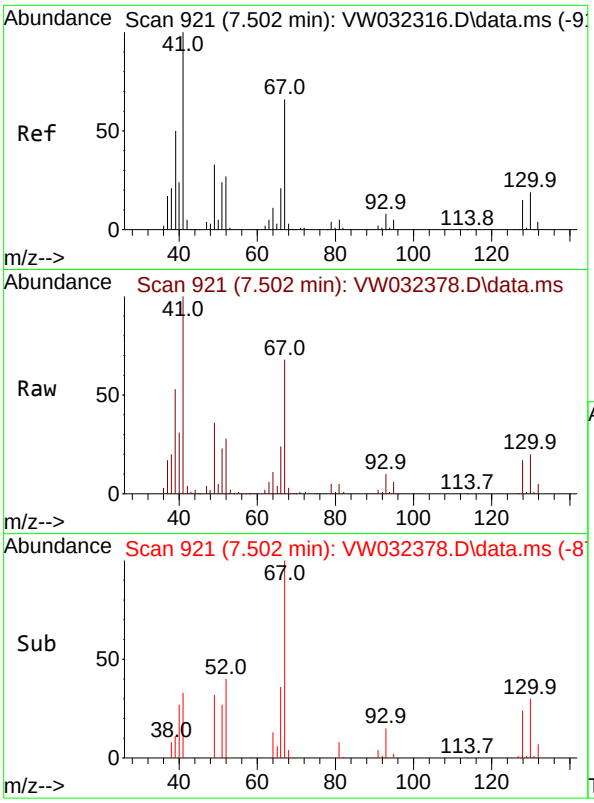


#40
Benzene
Concen: 55.818 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 78 Resp: 800201

Ion	Ratio	Lower	Upper
78	100		
77	23.6	20.7	31.1

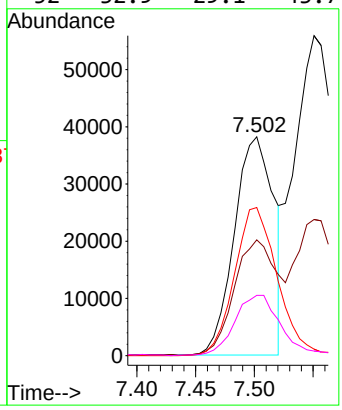




#41
Methacrylonitrile
Concen: 54.317 ug/l
RT: 7.502 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 41 Resp: 8911

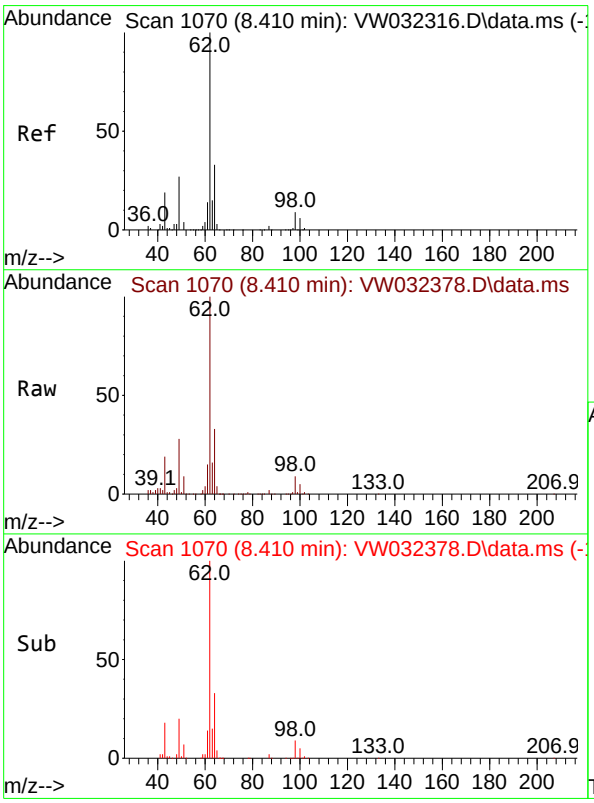
Ion	Ratio	Lower	Upper
41	100		
39	59.6	50.9	76.3
67	74.0	65.6	98.4
52	32.9	29.1	43.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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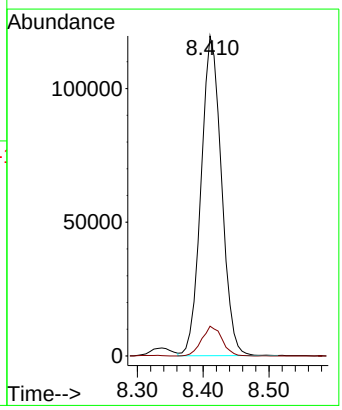
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

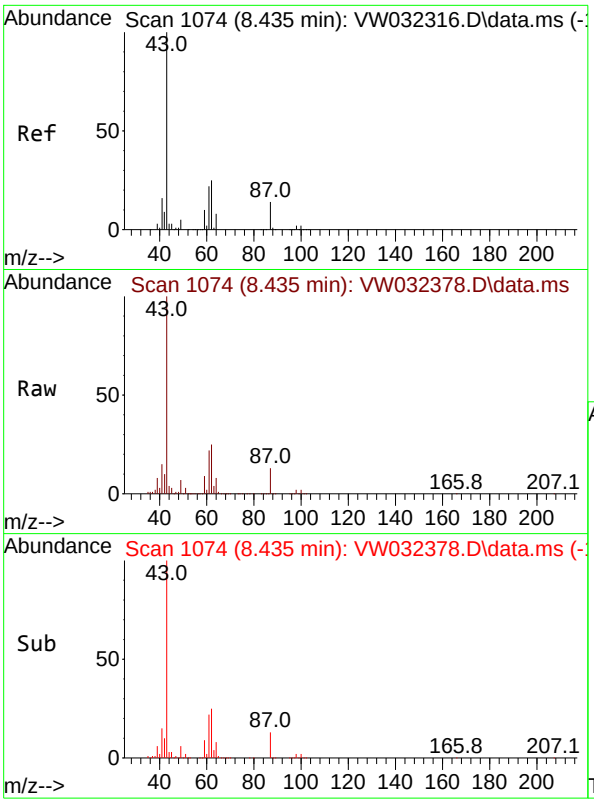


#42
1,2-Dichloroethane
Concen: 54.972 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 62 Resp: 257863

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0





#43
Isopropyl Acetate
Concen: 54.722 ug/l
RT: 8.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

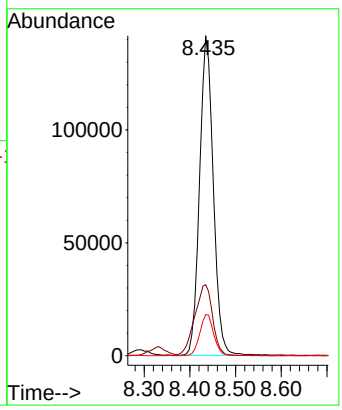
Tgt Ion: 43 Resp: 29552

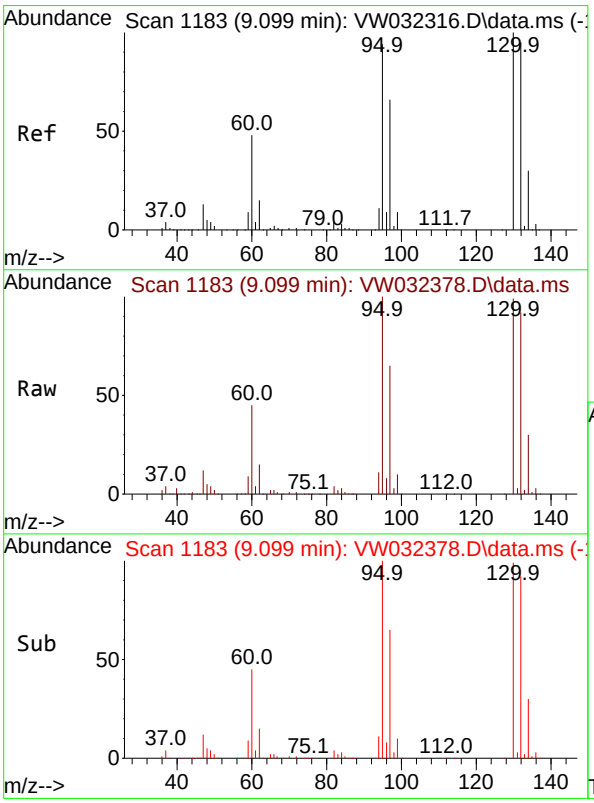
Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.3	34.9
87	13.1	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

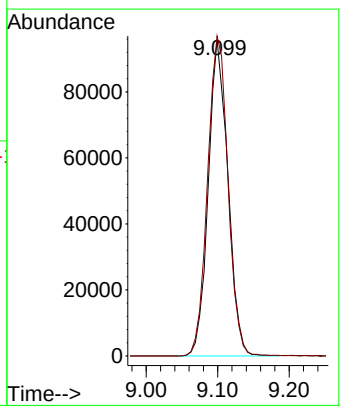


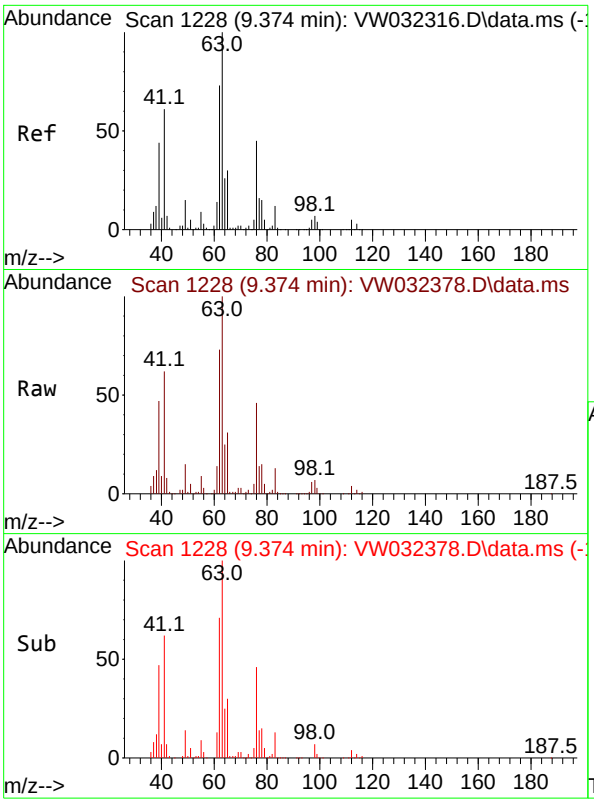


#44
Trichloroethene
Concen: 54.492 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:130 Resp: 182918

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	220.0





#45
1,2-Dichloropropane
Concen: 56.170 ug/l
RT: 9.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

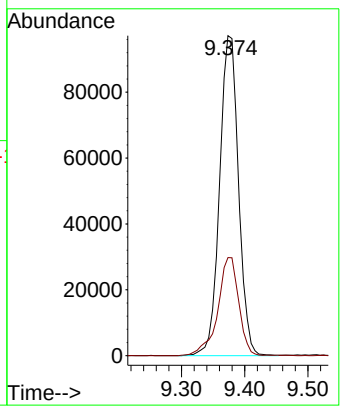
Tgt Ion: 63 Resp: 20099

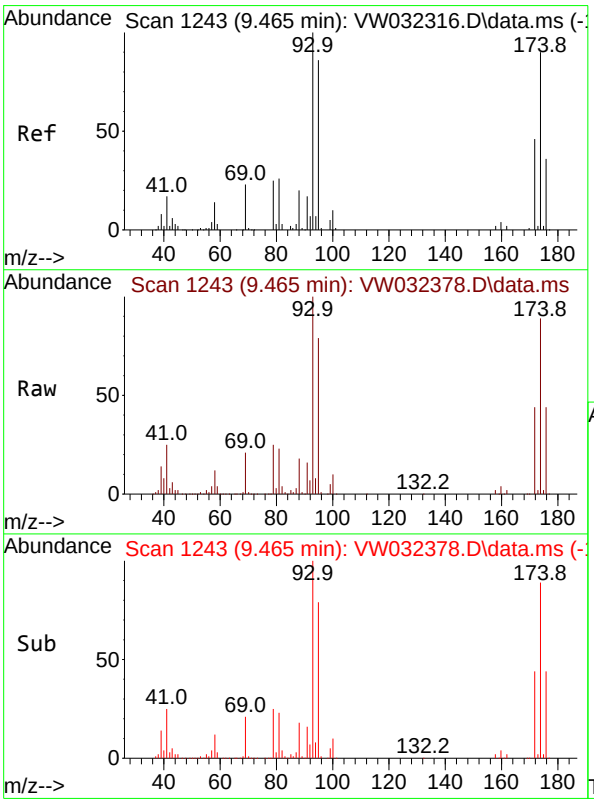
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.3	36.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

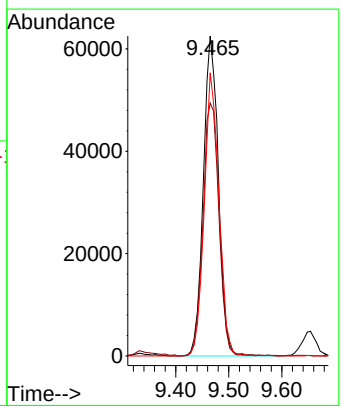


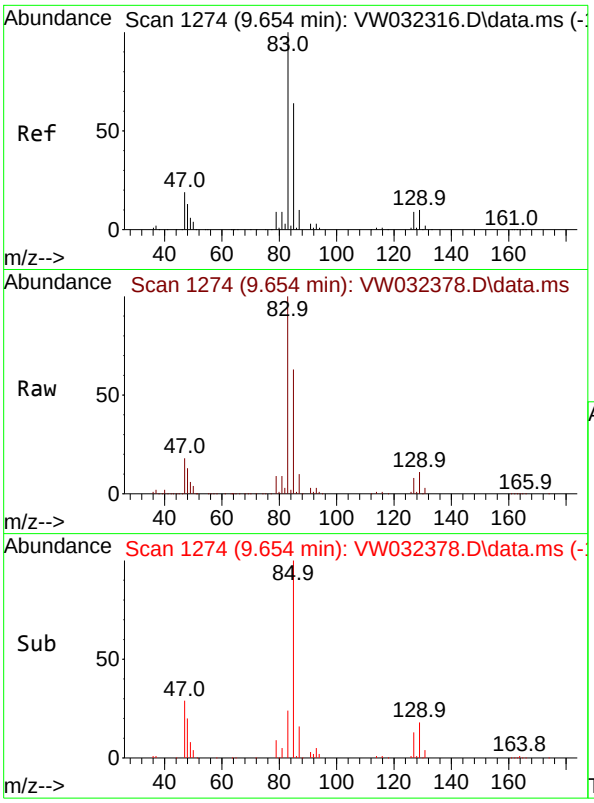


#46
Dibromomethane
Concen: 56.022 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 93 Resp: 123268

Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.4	101.2
174	86.5	75.7	113.5

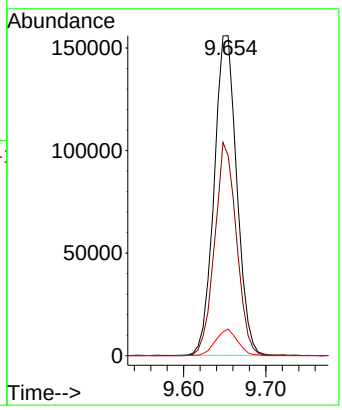




#47
Bromodichloromethane
Concen: 59.385 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 83 Resp: 29886

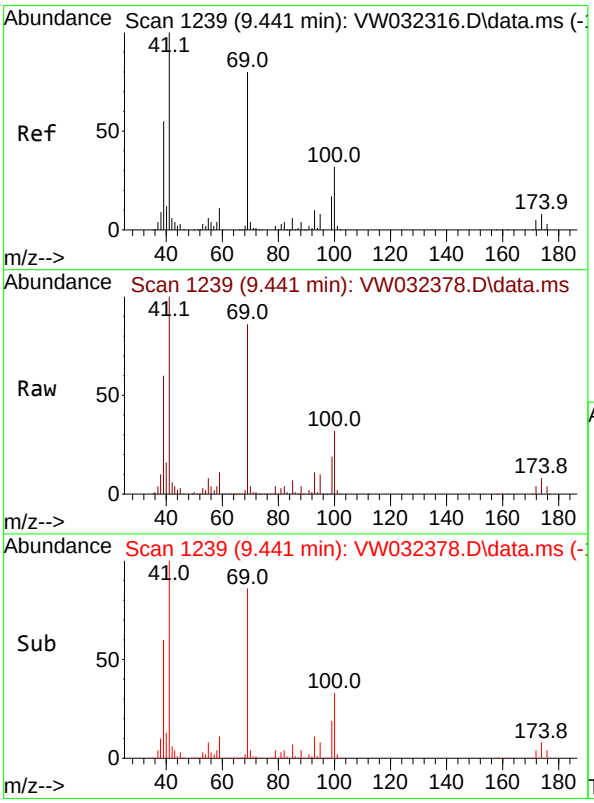
Ion	Ratio	Lower	Upper
83	100		
85	62.6	48.7	73.1
127	8.3	6.4	9.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

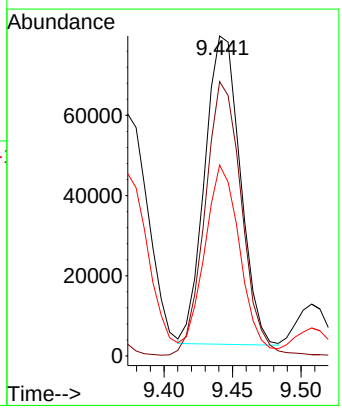
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

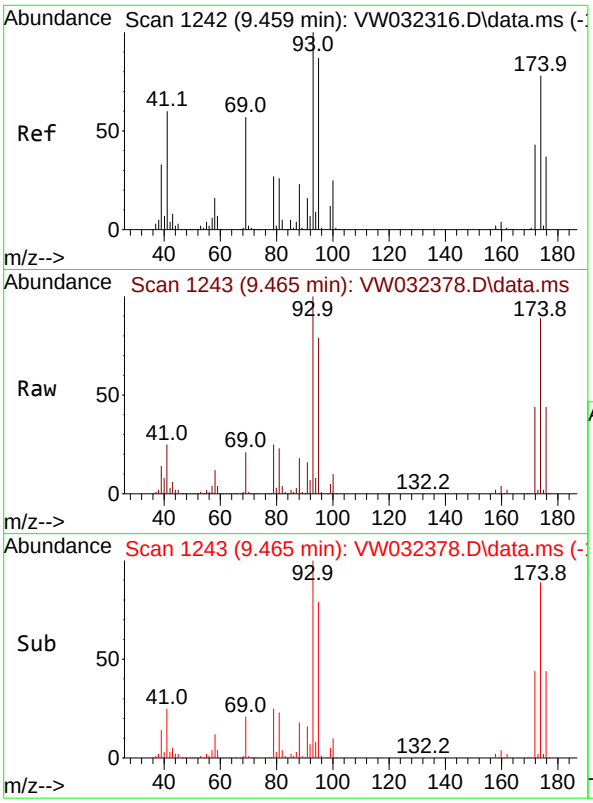


#48
Methyl methacrylate
Concen: 52.640 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 41 Resp: 138219

Ion	Ratio	Lower	Upper
41	100		
69	91.6	71.5	107.3
39	62.1	55.9	83.9

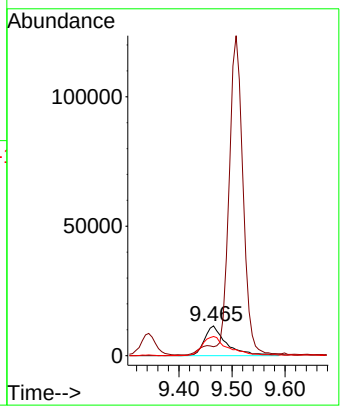




#49
1,4-Dioxane
Concen: 1099.123 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 88 Resp: 3305

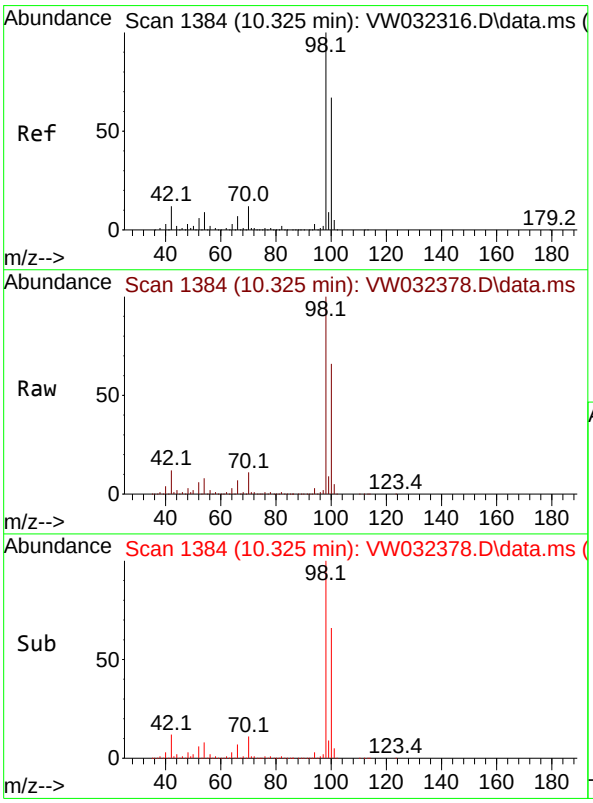
Ion	Ratio	Lower	Upper
88	100		
43	21.4	18.0	27.0
58	74.0	55.4	83.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

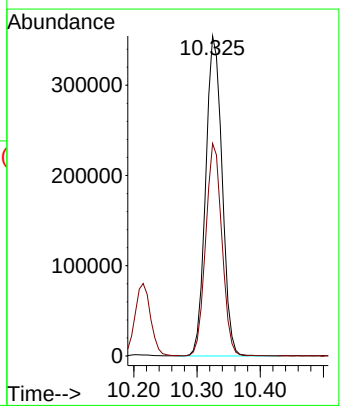
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

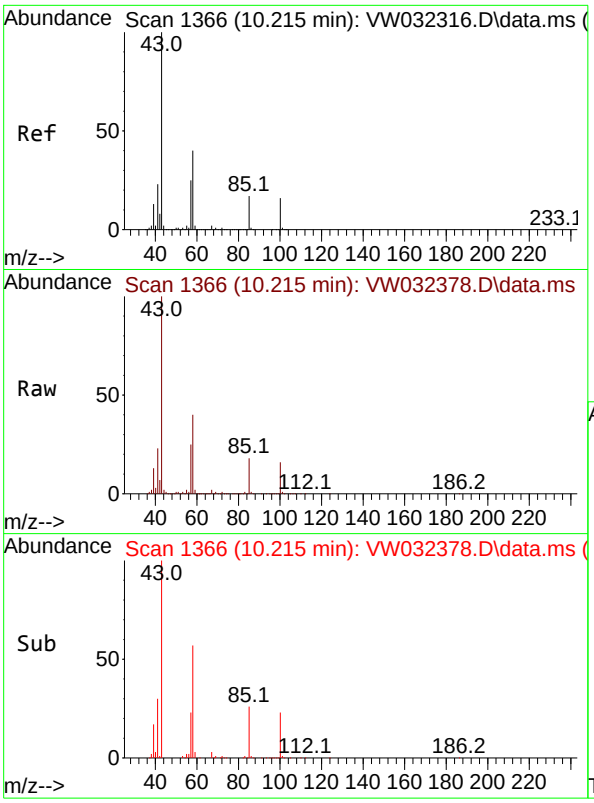


#50
Toluene-d8
Concen: 53.480 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 98 Resp: 639666

Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.4	77.2





#51
4-Methyl-2-Pentanone
Concen: 275.041 ug/l
RT: 10.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

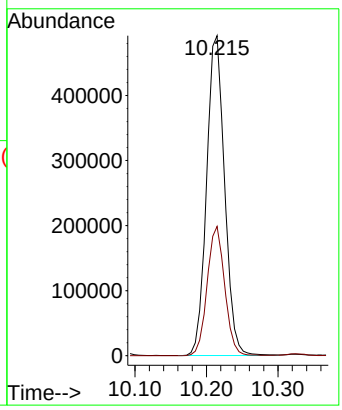
Tgt Ion: 43 Resp: 86031

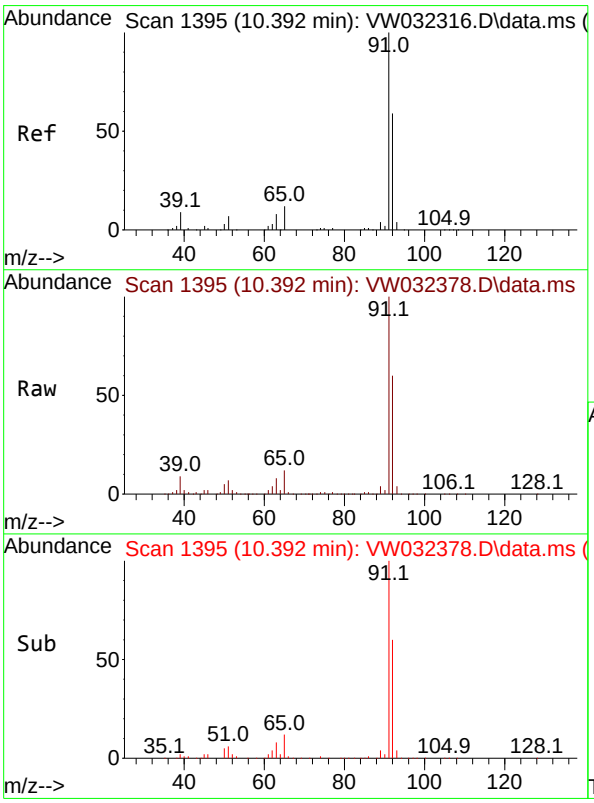
Ion	Ratio	Lower	Upper
43	100		
58	39.4	32.0	48.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

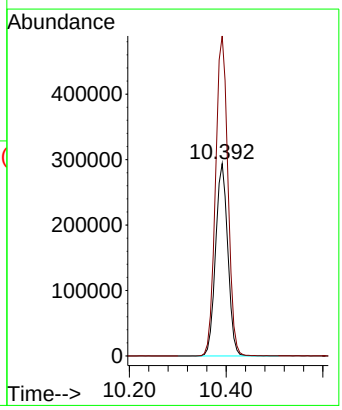


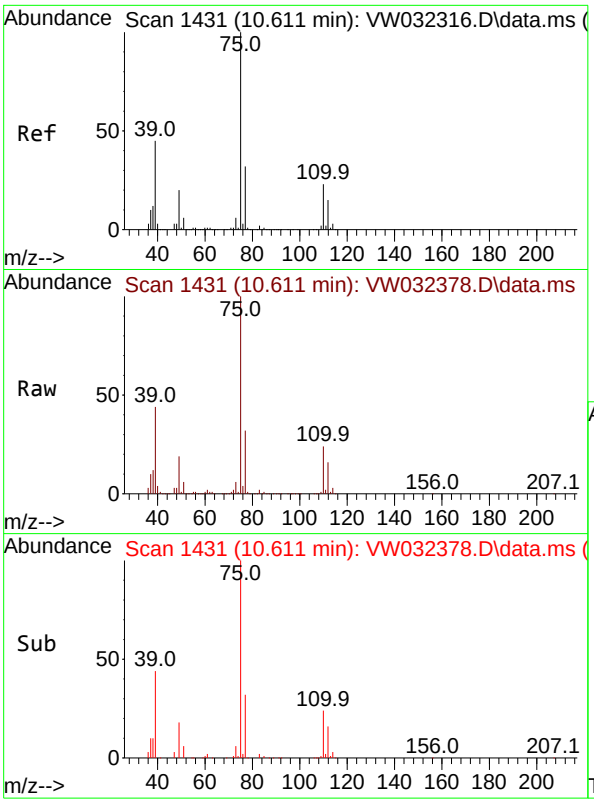


#52
Toluene
Concen: 57.552 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 92 Resp: 513800

Ion	Ratio	Lower	Upper
92	100		
91	168.7	137.5	206.3

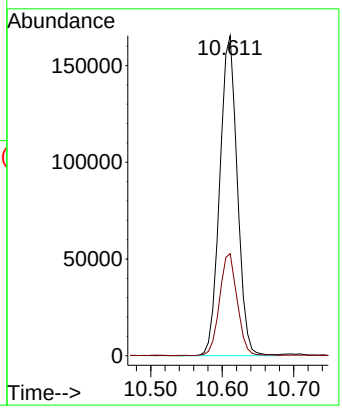




#53
t-1,3-Dichloropropene
Concen: 57.719 ug/l
RT: 10.611 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 75 Resp: 28181

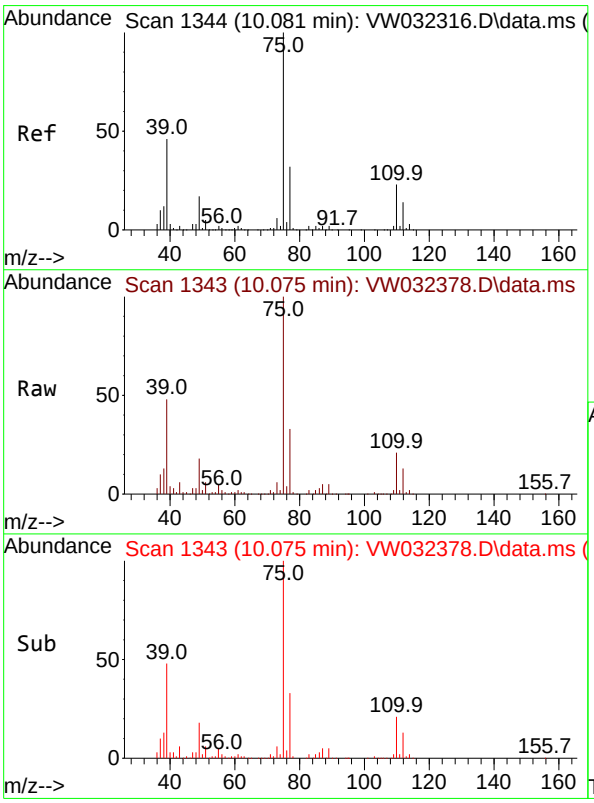
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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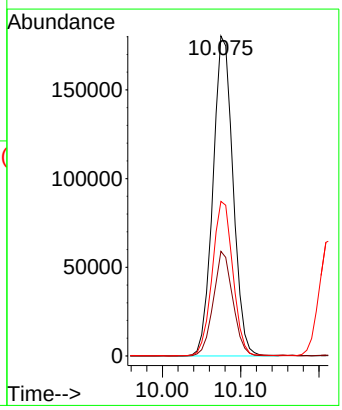
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

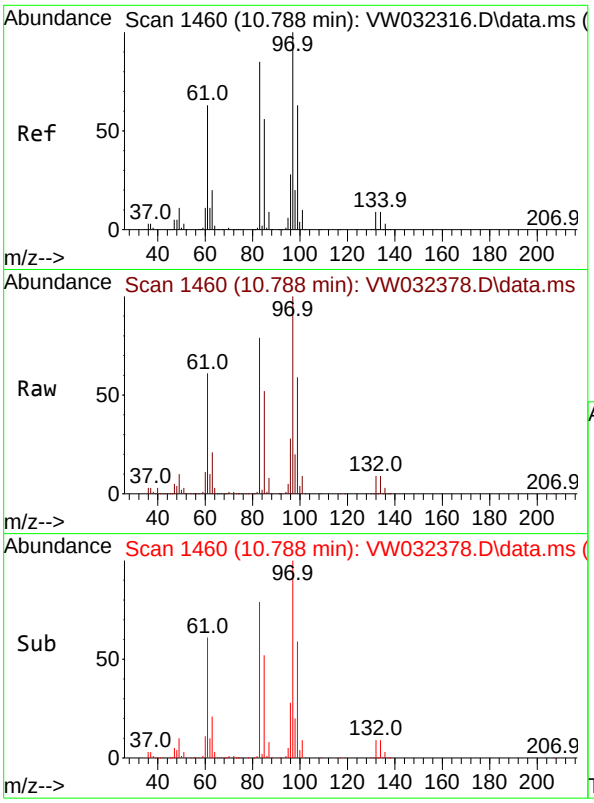


#54
cis-1,3-Dichloropropene
Concen: 57.231 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 75 Resp: 321876

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.1	37.7
39	48.2	43.2	64.8

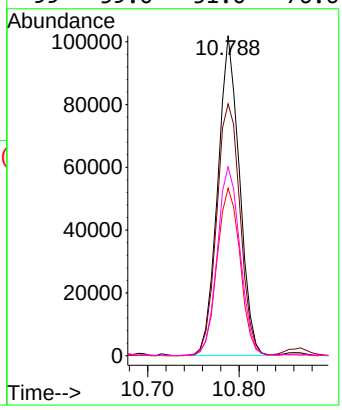




#55
1,1,2-Trichloroethane
Concen: 57.233 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 97 Resp: 16831

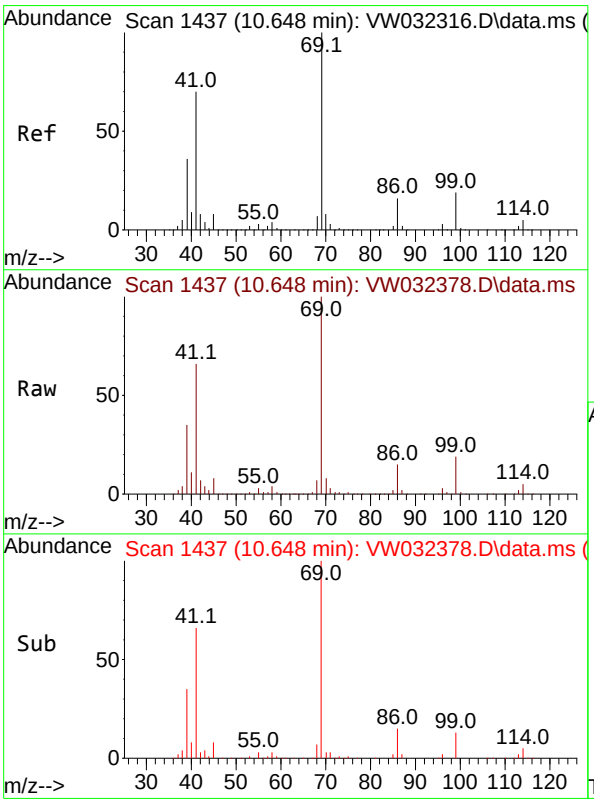
Ion	Ratio	Lower	Upper
97	100		
83	78.8	71.0	106.6
85	52.4	42.8	64.2
99	59.0	51.0	76.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

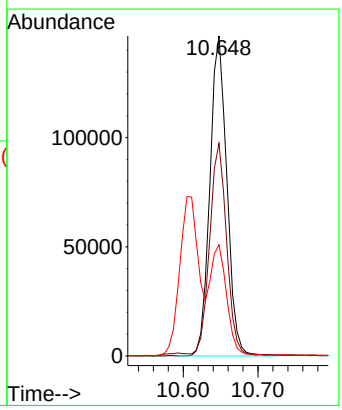
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

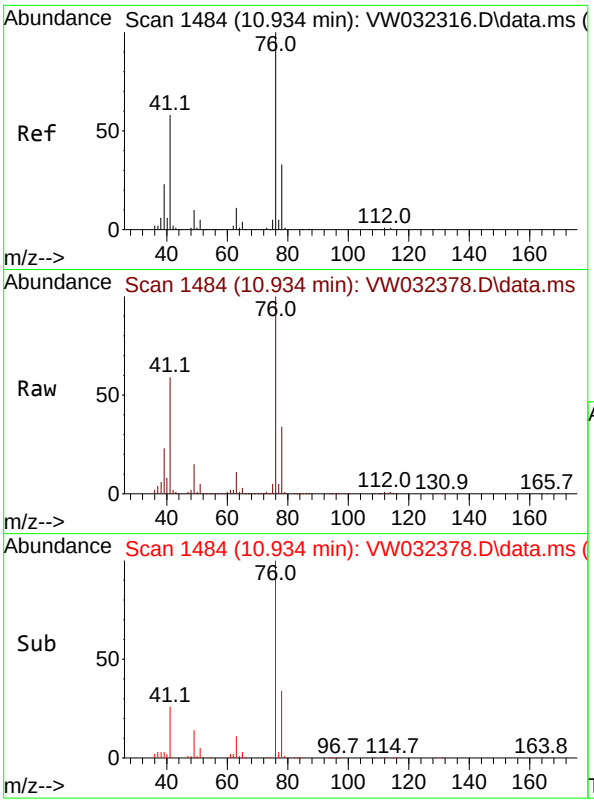


#56
Ethyl methacrylate
Concen: 56.352 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 69 Resp: 231959

Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.2	79.8
39	32.8	32.9	49.3#





#57
1,3-Dichloropropane
Concen: 55.655 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

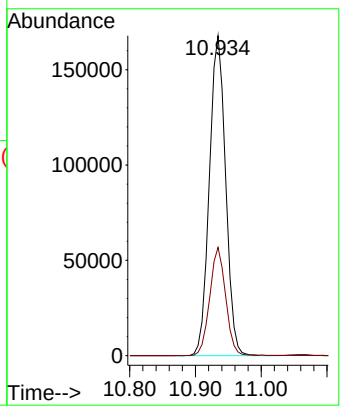
Tgt Ion: 76 Resp: 28907

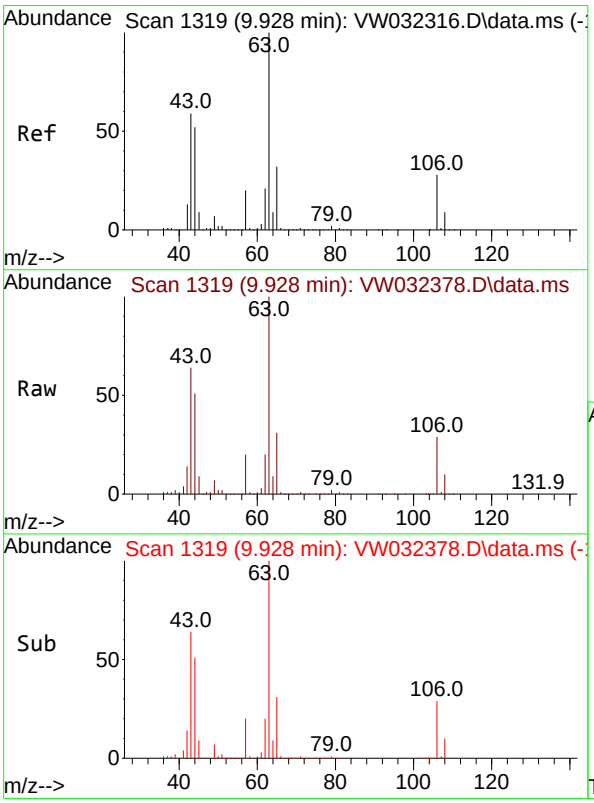
Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.2	39.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
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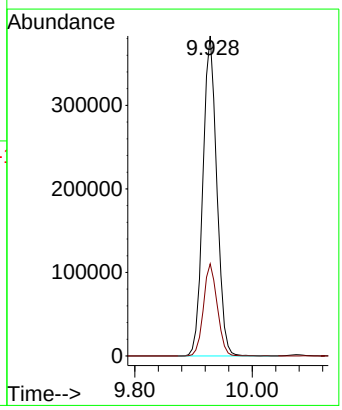


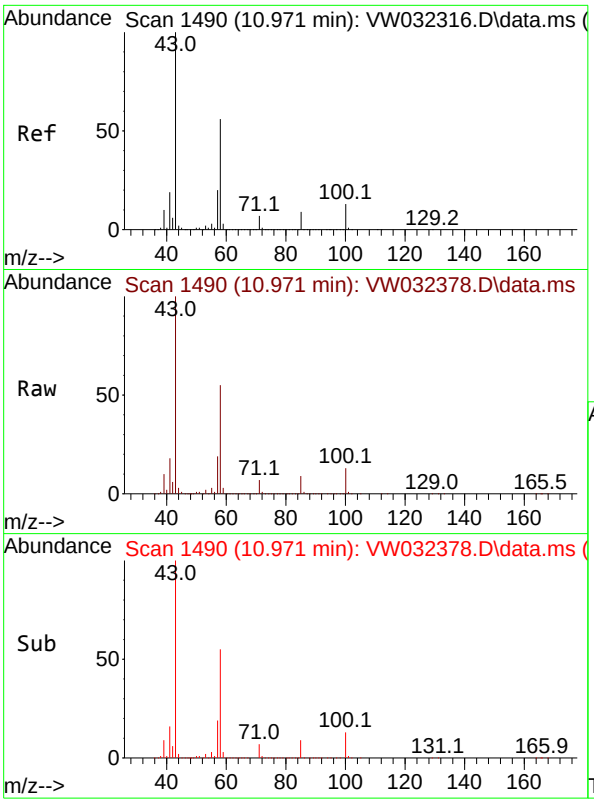


#58
2-Chloroethyl Vinyl ether
Concen: 287.576 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 63 Resp: 629980

Ion	Ratio	Lower	Upper
63	100		
106	28.5	24.3	36.5





#59
2-Hexanone
Concen: 276.684 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

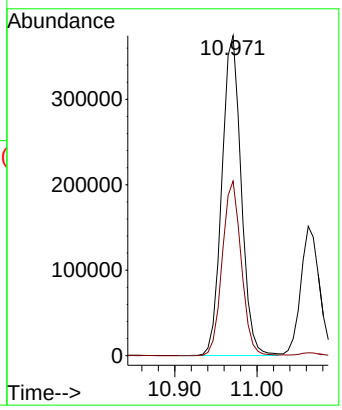
Tgt Ion: 43 Resp: 61039

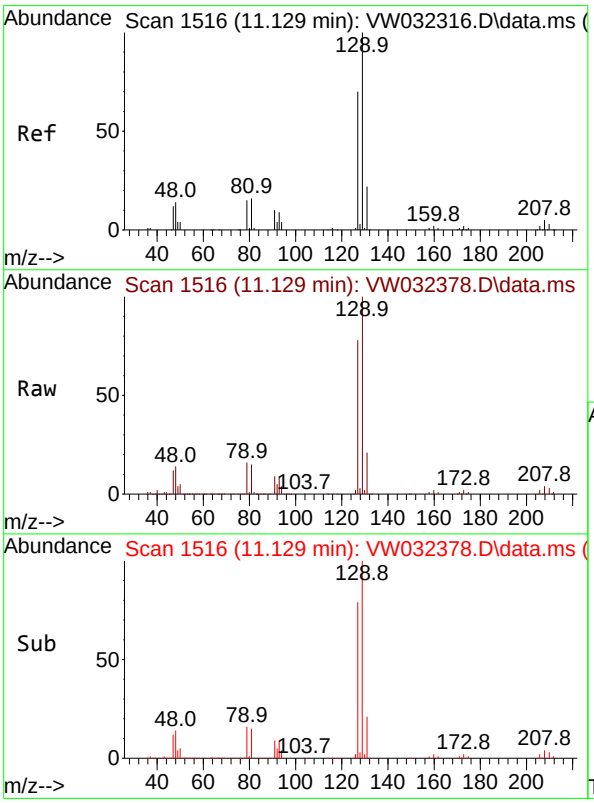
Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.5	82.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

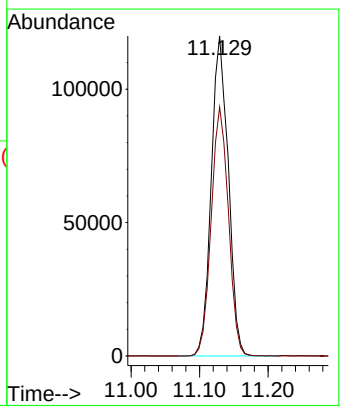


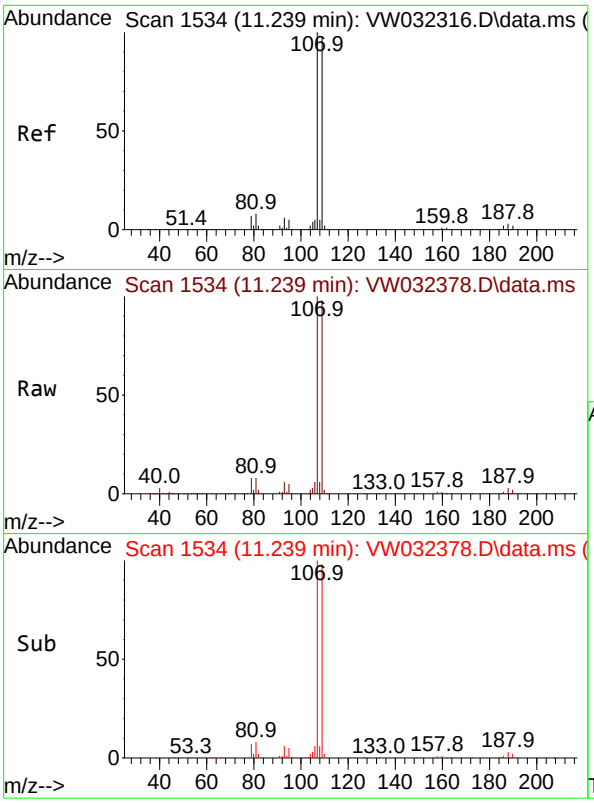


#60
Dibromochloromethane
Concen: 61.883 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:129 Resp: 206640

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.1	114.5





#61
1,2-Dibromoethane
Concen: 55.617 ug/l
RT: 11.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

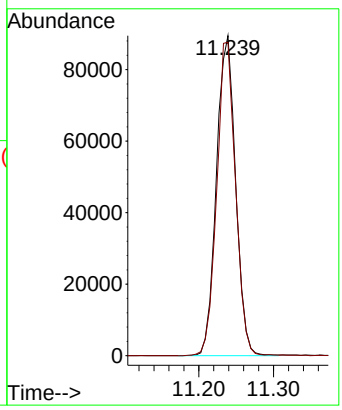
Tgt Ion:107 Resp: 15948

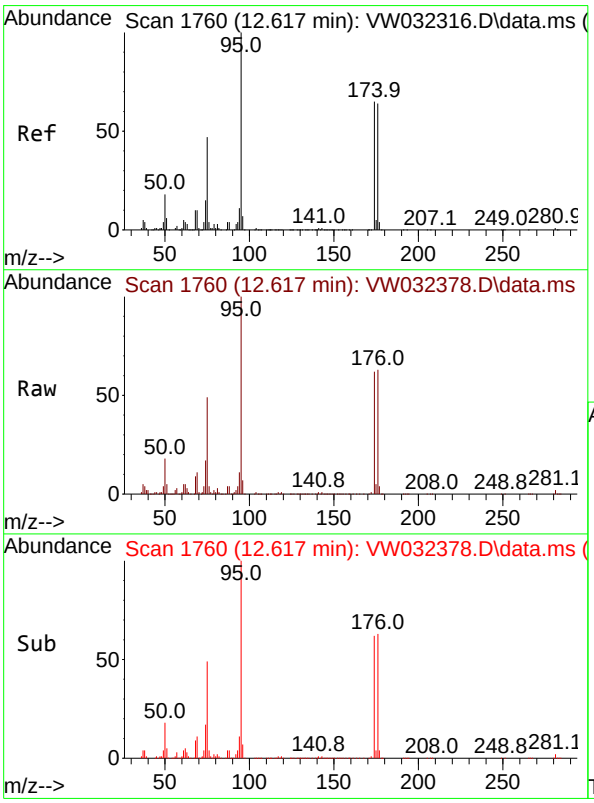
Ion	Ratio	Lower	Upper
107	100		
109	96.3	74.5	111.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

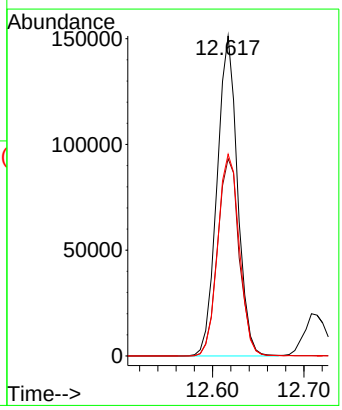


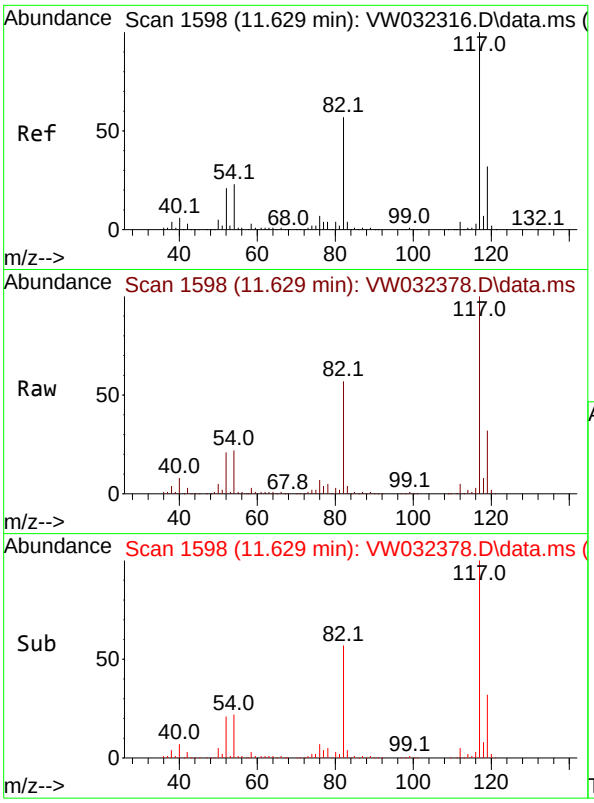


#62
4-Bromofluorobenzene
Concen: 52.021 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 95 Resp: 235180

Ion	Ratio	Lower	Upper
95	100		
174	65.3	0.0	145.6
176	66.5	0.0	140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

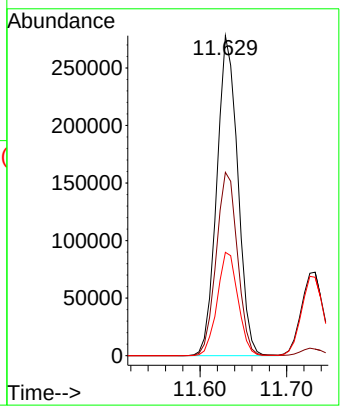
Tgt Ion:117 Resp: 46687

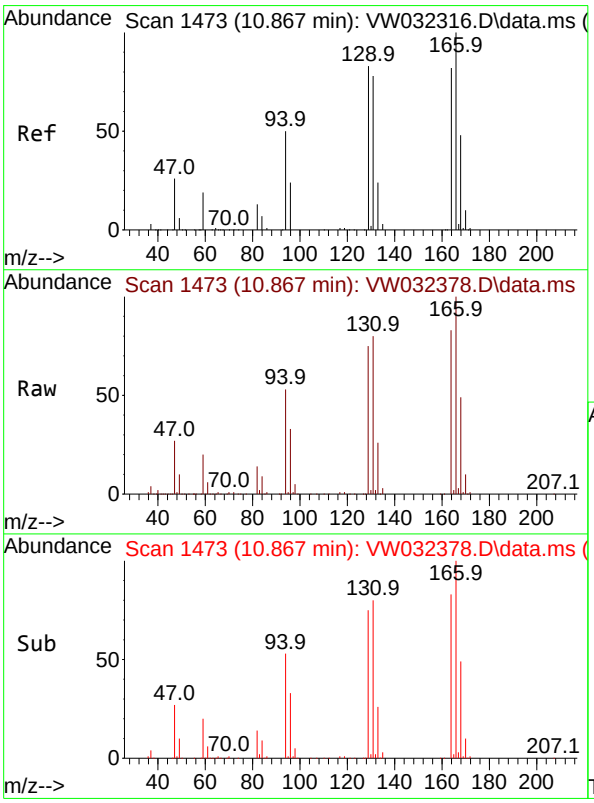
Ion	Ratio	Lower	Upper
117	100		
82	57.3	42.7	64.1
119	32.3	25.2	37.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

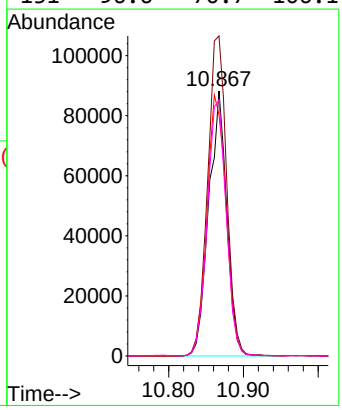


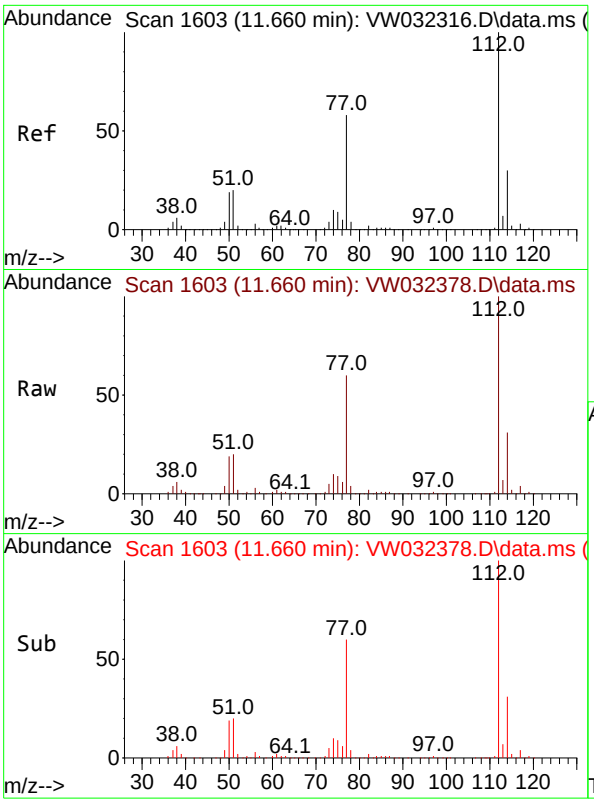


#64
Tetrachloroethene
Concen: 52.663 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:164 Resp: 147123

Ion	Ratio	Lower	Upper
164	100		
166	120.8	97.5	146.3
129	91.0	71.2	106.8
131	96.6	70.7	106.1





#65
Chlorobenzene
Concen: 53.221 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

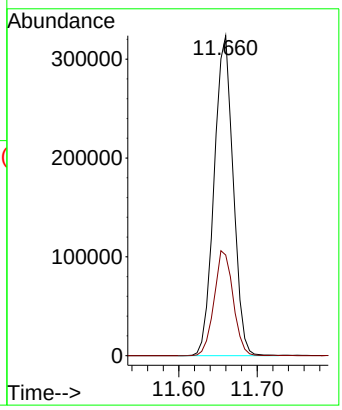
Tgt Ion:112 Resp: 54670

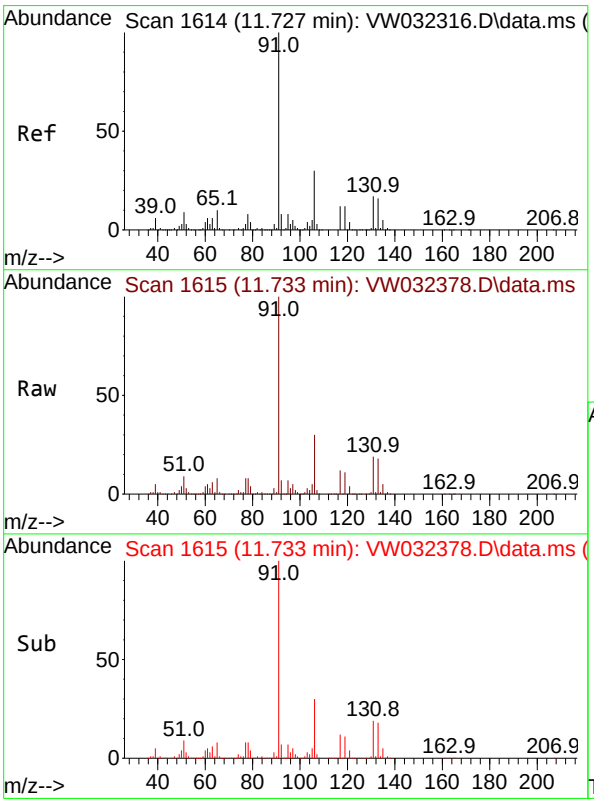
Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.0	39.0

Instrument :
MSVOA_W
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VSTDCCC050

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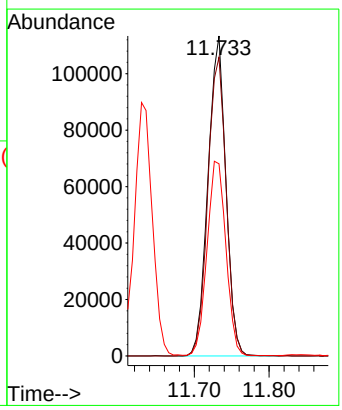


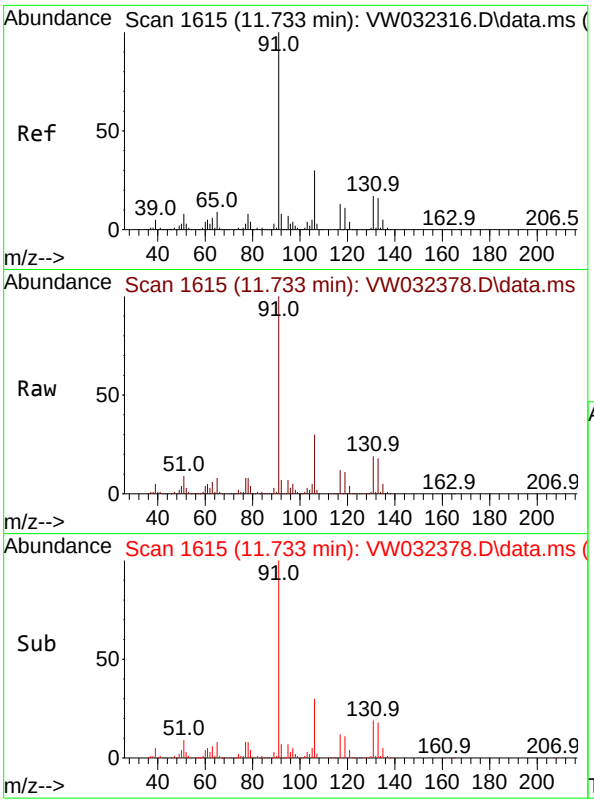


#66
1,1,1,2-Tetrachloroethane
Concen: 58.904 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:131 Resp: 188463

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.7	143.1
119	64.2	32.8	98.3

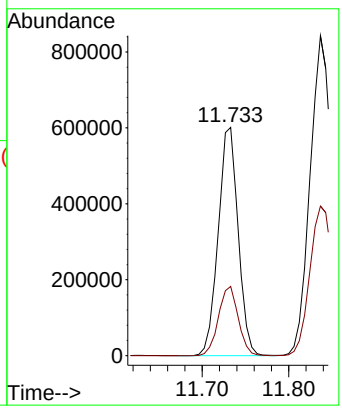




#67
Ethyl Benzene
Concen: 56.174 ug/l
RT: 11.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 91 Resp: 96186

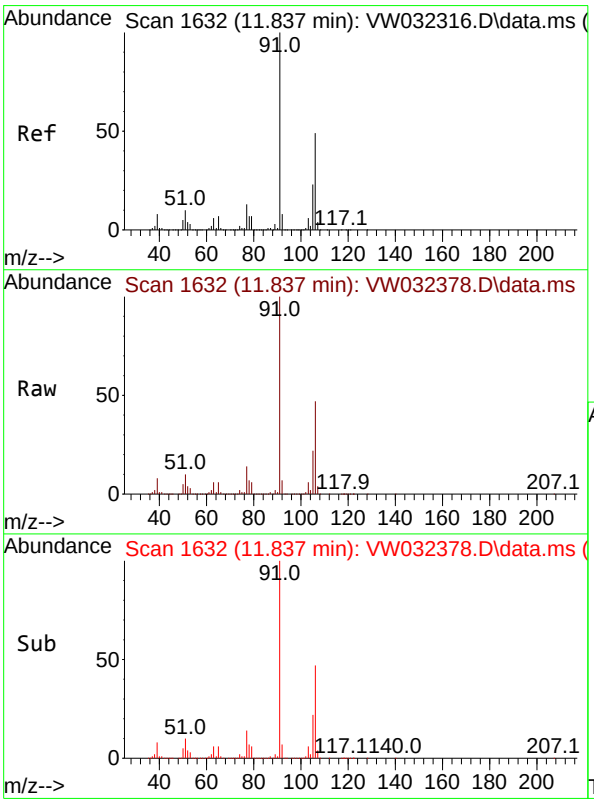
Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.3	37.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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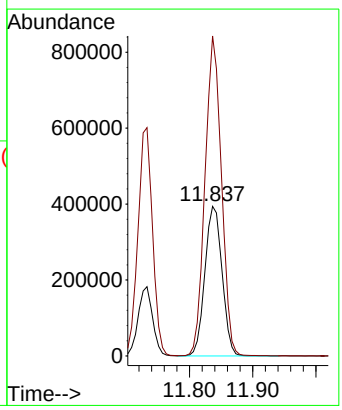
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

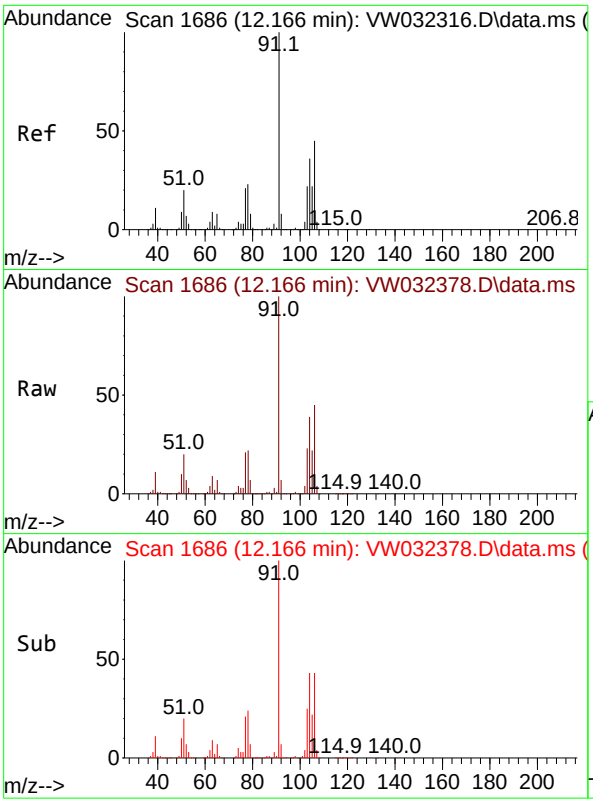


#68
m/p-Xylenes
Concen: 112.736 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:106 Resp: 744366

Ion	Ratio	Lower	Upper
106	100		
91	204.6	164.2	246.2





#69
o-Xylene
Concen: 55.988 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

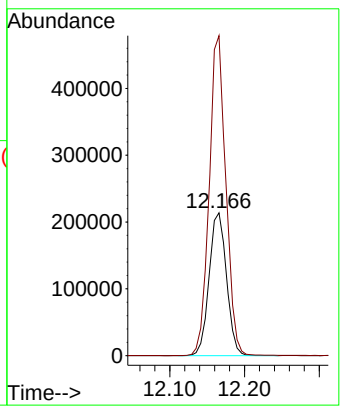
Tgt Ion:106 Resp: 34570

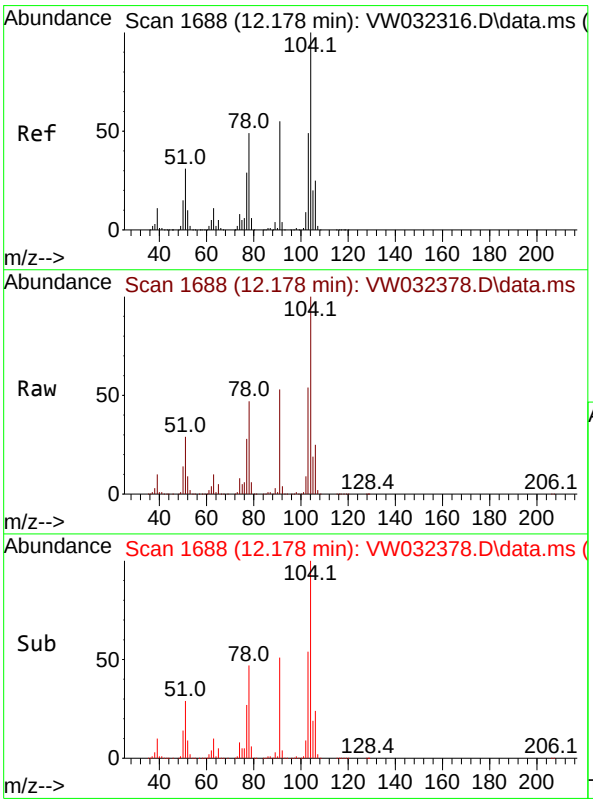
Ion	Ratio	Lower	Upper
106	100		
91	214.9	108.7	326.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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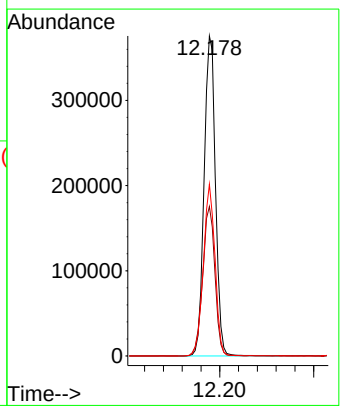


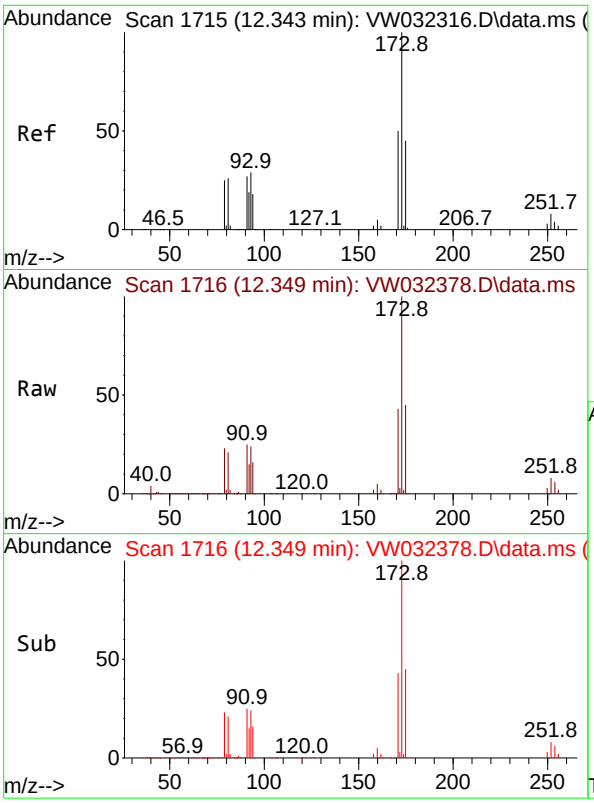


#70
Styrene
Concen: 58.262 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:104 Resp: 628107

Ion	Ratio	Lower	Upper
104	100		
78	50.1	41.6	62.4
103	55.1	44.8	67.2

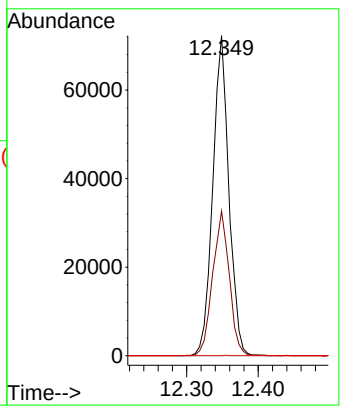




#71
Bromoform
Concen: 61.560 ug/l
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:173 Resp: 11289

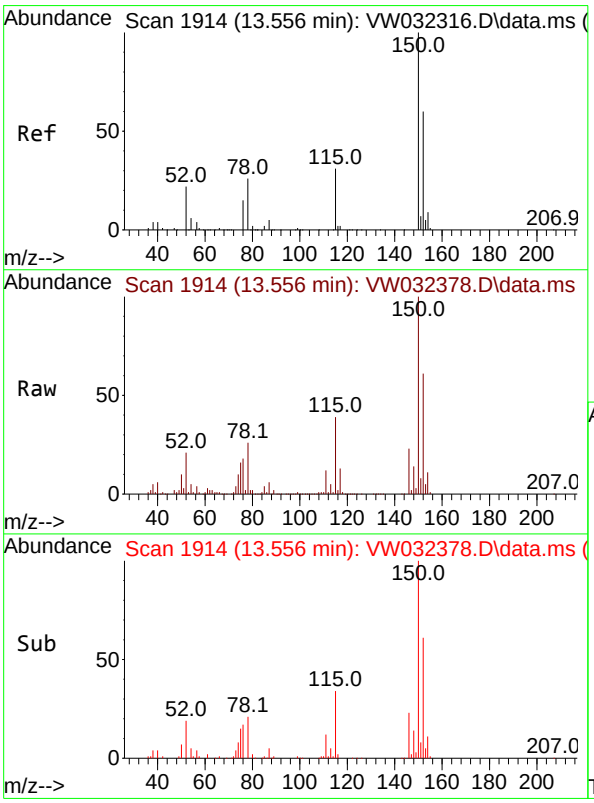
Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.9	74.7
254	0.0	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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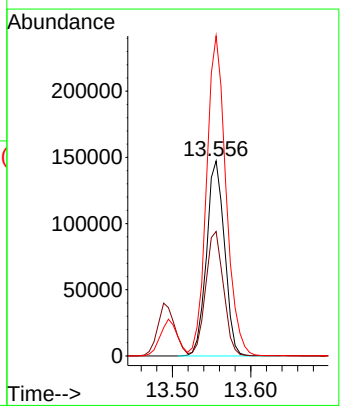
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

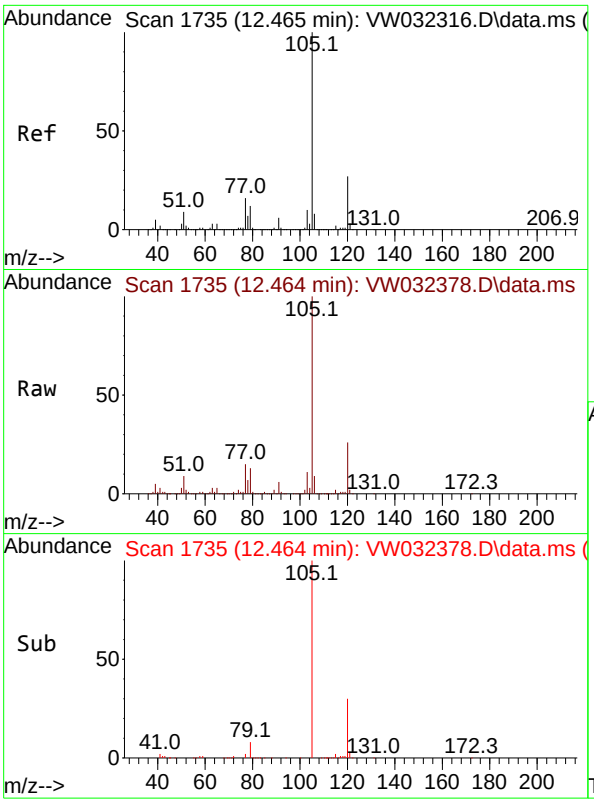


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:152 Resp: 234766

Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.8	95.4
150	177.2	0.0	343.0





#73
Isopropylbenzene
Concen: 54.560 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

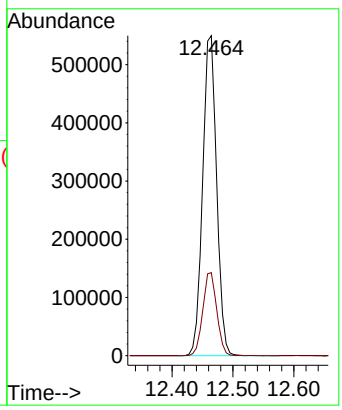
Tgt Ion:105 Resp: 87632

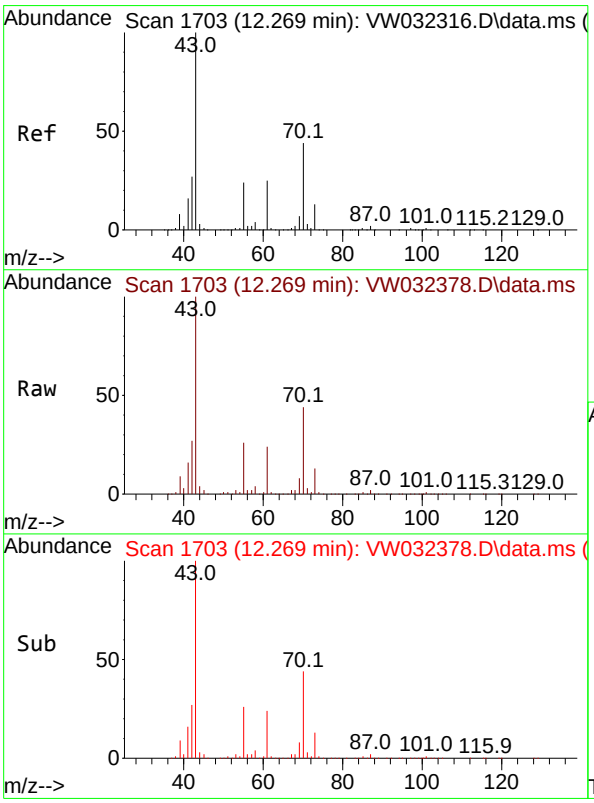
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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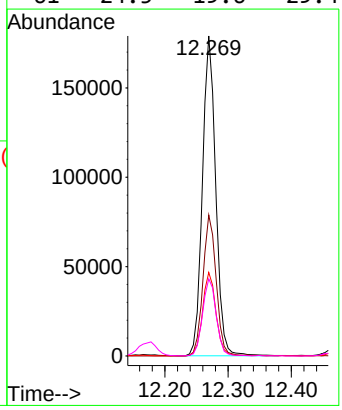


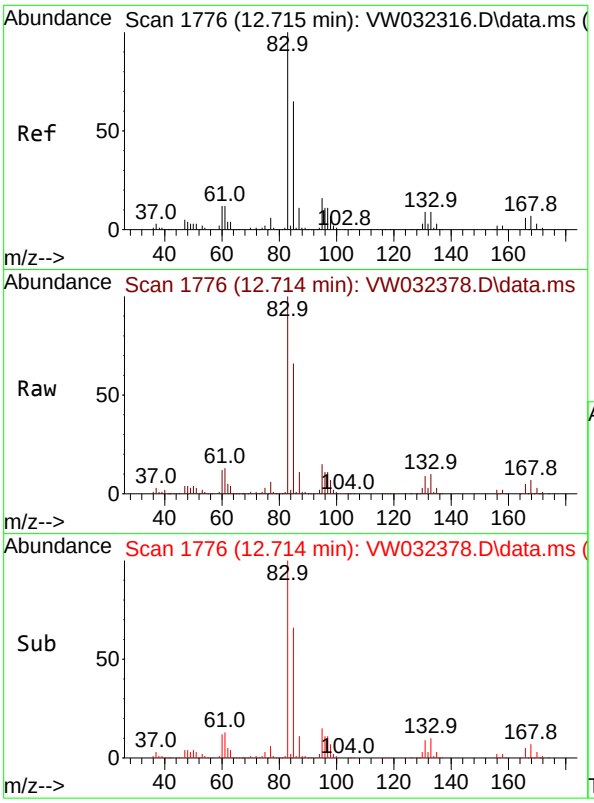


#74
N-amyl acetate
Concen: 51.189 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 43 Resp: 262286

Ion	Ratio	Lower	Upper
43	100		
70	44.1	35.3	52.9
55	26.7	19.9	29.9
61	24.5	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 51.119 ug/l
RT: 12.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

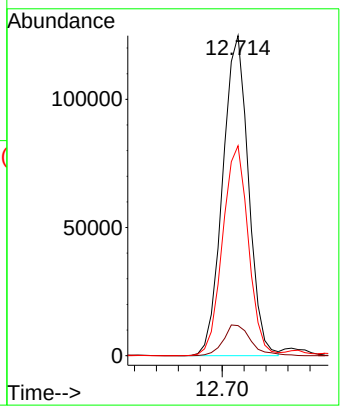
Tgt Ion: 83 Resp: 20386

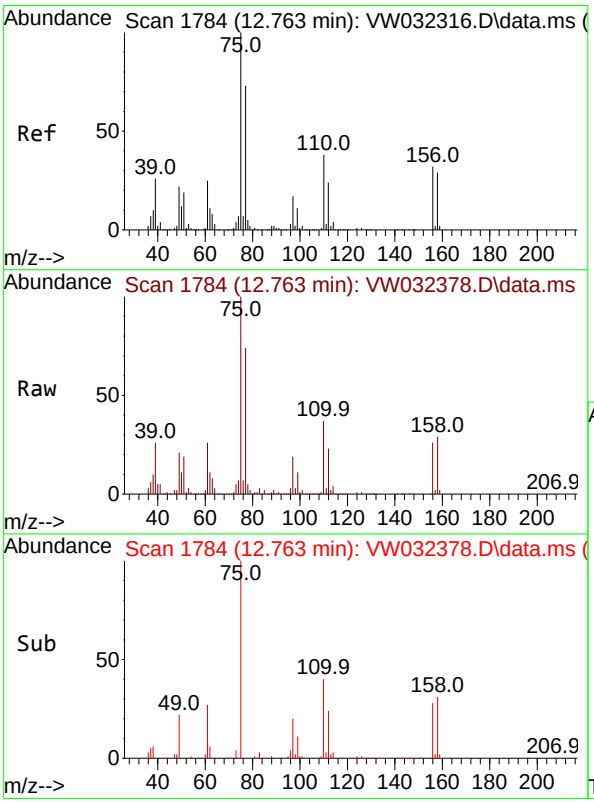
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	65.6	32.2	96.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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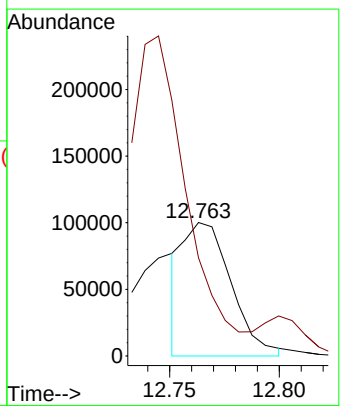


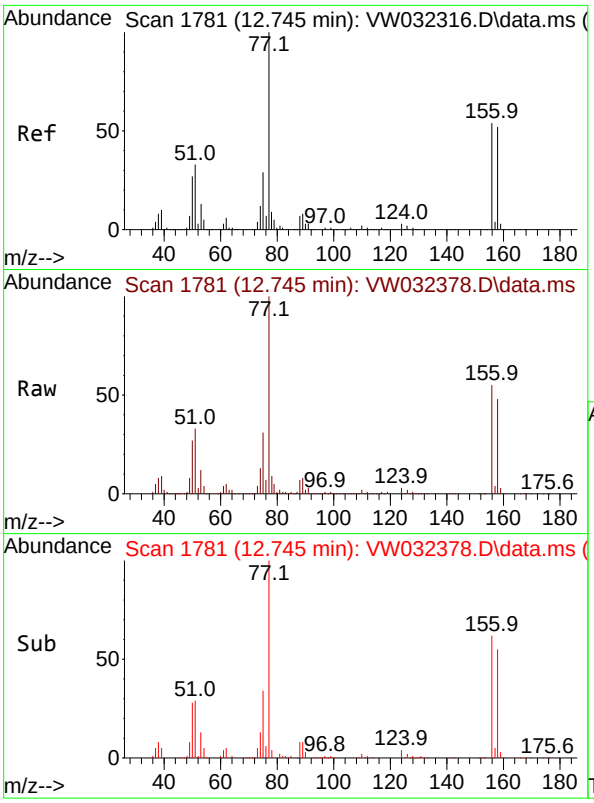


#76
1,2,3-Trichloropropane
Concen: 49.739 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 75 Resp: 153664

Ion	Ratio	Lower	Upper
75	100		
77	293.9	141.7	425.1

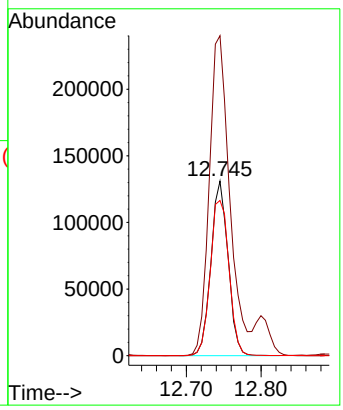




#77
Bromobenzene
Concen: 53.907 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:156 Resp: 20871

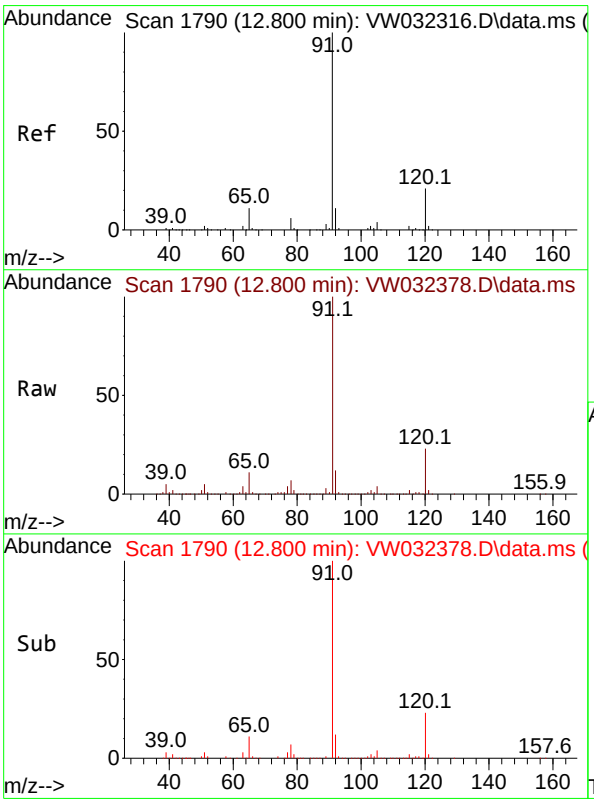
Ion	Ratio	Lower	Upper
156	100		
77	216.4	98.6	295.7
158	97.8	48.4	145.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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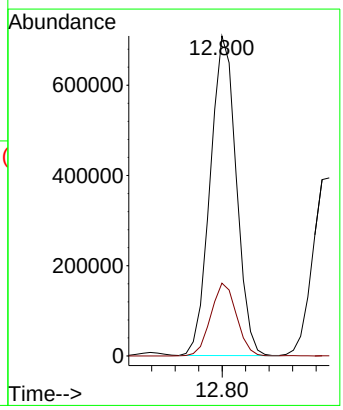
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

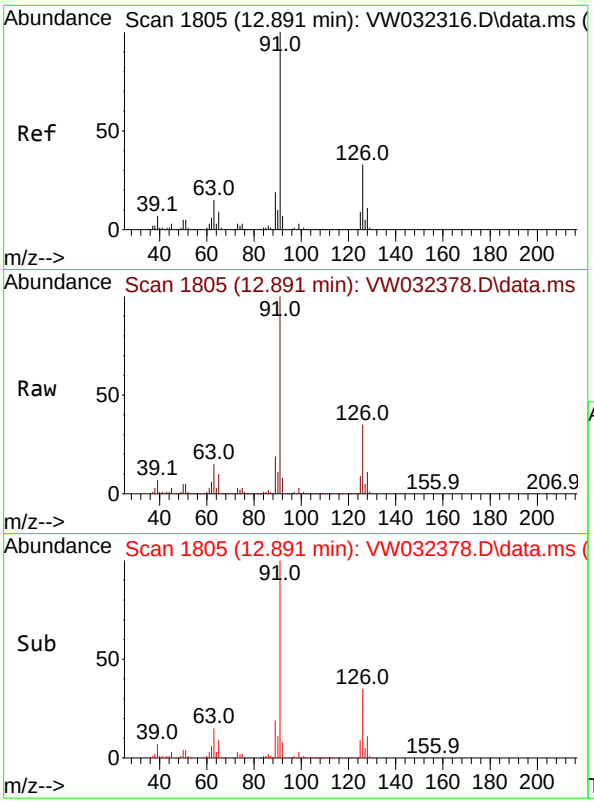


#78
n-propylbenzene
Concen: 54.462 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 91 Resp: 1092673

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.8	35.4





#79
2-Chlorotoluene
Concen: 53.203 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

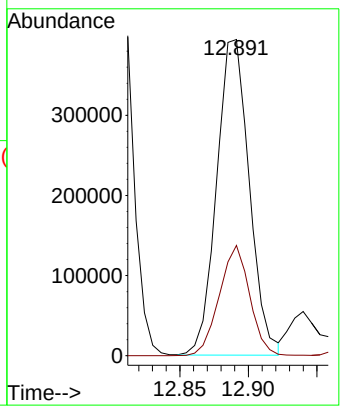
Tgt Ion: 91 Resp: 65266

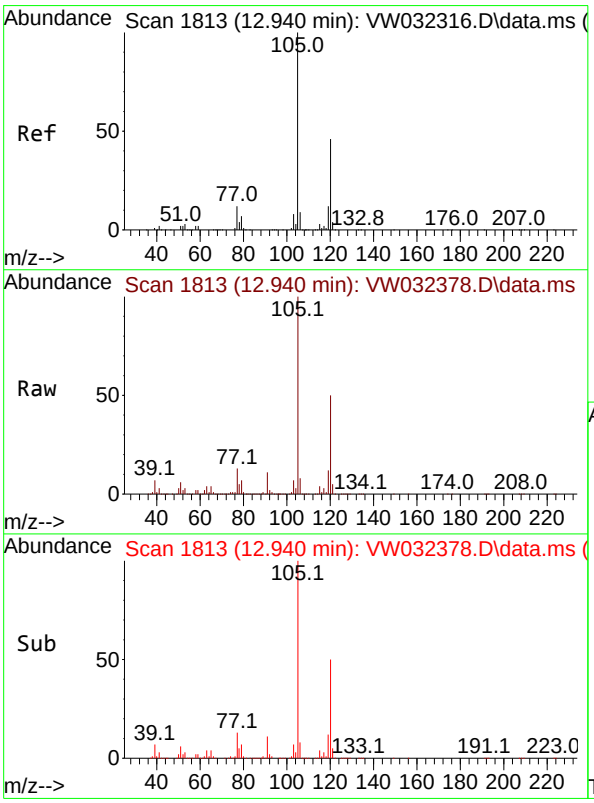
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.6	49.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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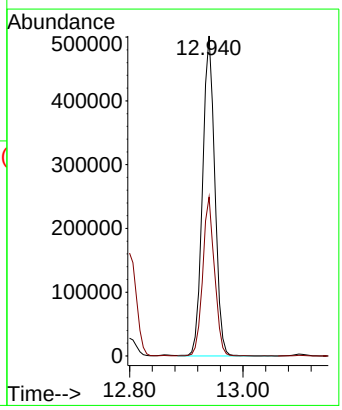


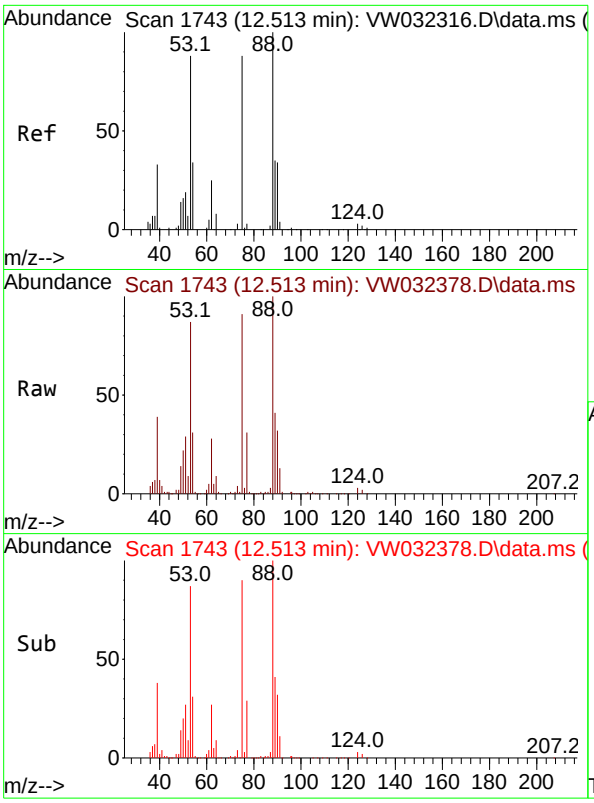


#80
1,3,5-Trimethylbenzene
Concen: 54.209 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:105 Resp: 752875

Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 57.667 ug/l
RT: 12.513 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

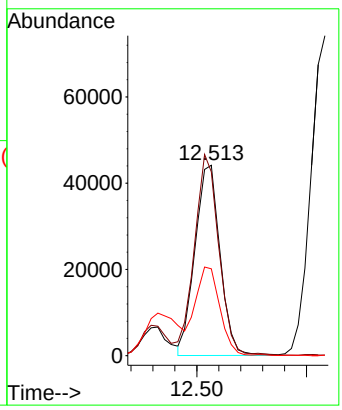
Tgt Ion: 75 Resp: 7032

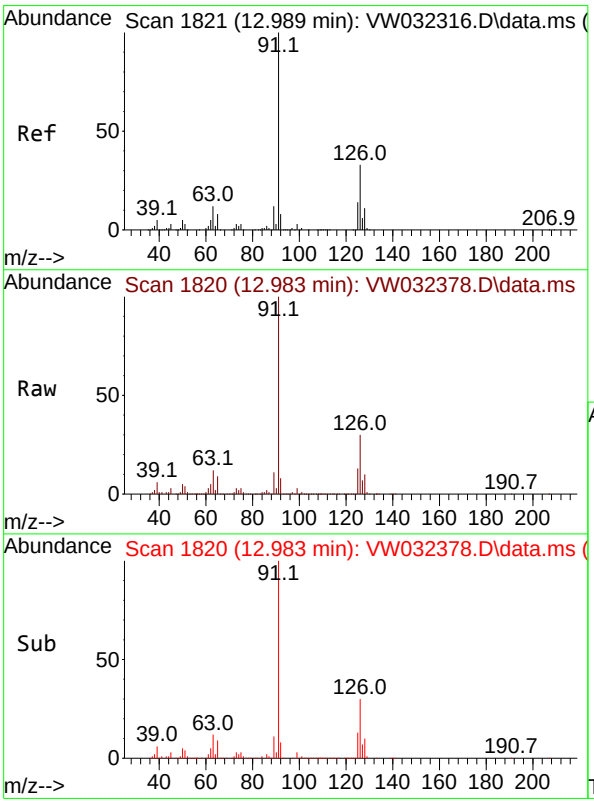
Ion	Ratio	Lower	Upper
75	100		
53	103.7	91.0	136.6
89	45.6	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

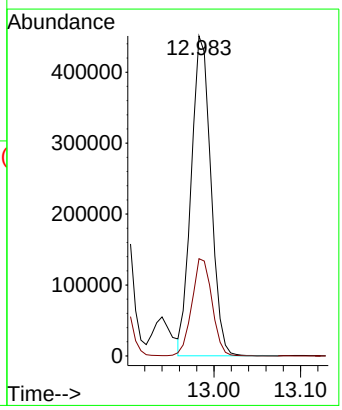


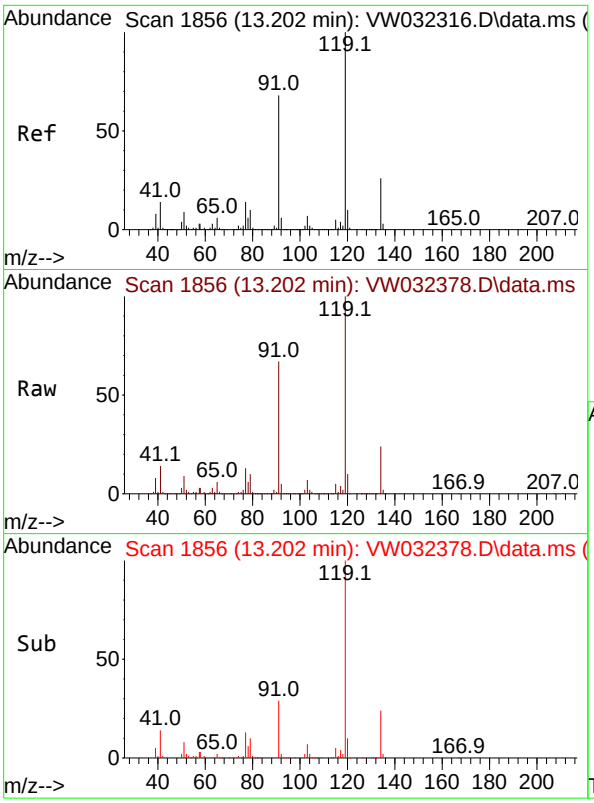


#82
4-Chlorotoluene
Concen: 54.437 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 91 Resp: 709987

Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.1	48.2





#83
tert-Butylbenzene
Concen: 56.237 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

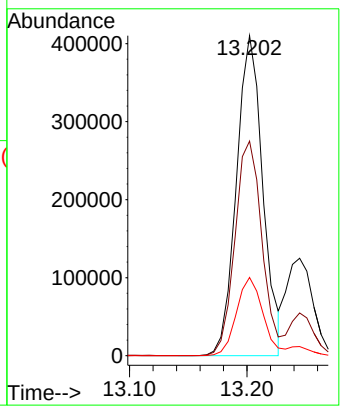
Tgt Ion:119 Resp: 64084

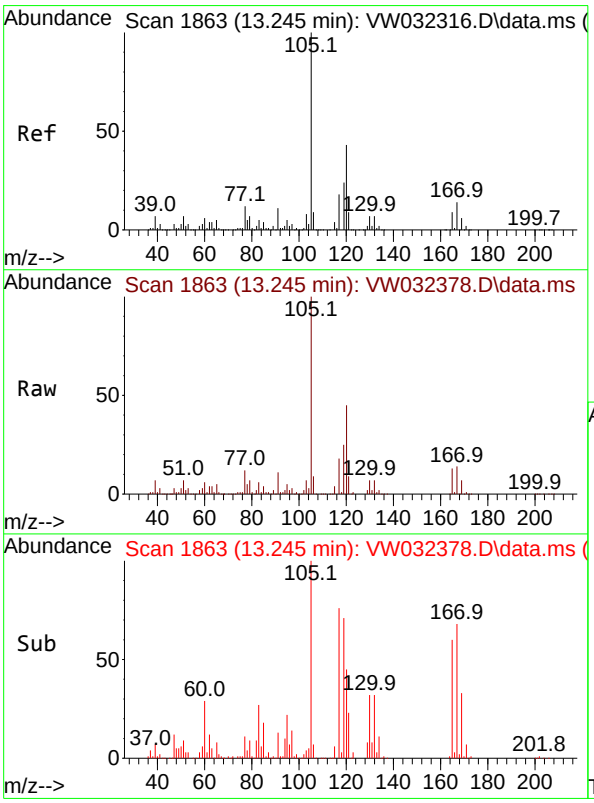
Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.8	101.3
134	24.6	12.5	37.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

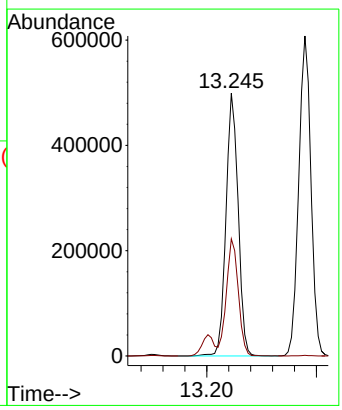


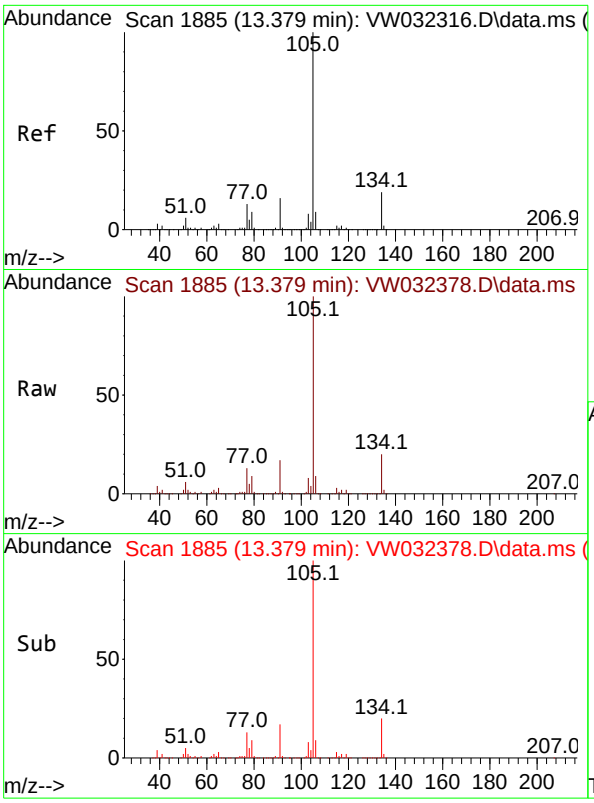


#84
1,2,4-Trimethylbenzene
Concen: 54.602 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:105 Resp: 771106

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.3





#85
sec-Butylbenzene
Concen: 53.756 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

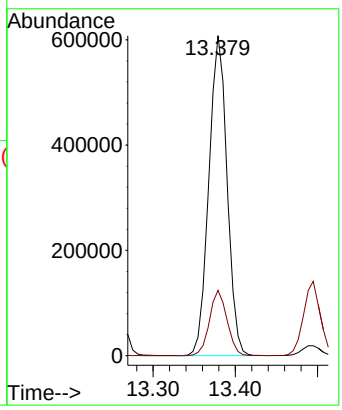
Tgt Ion:105 Resp: 93612

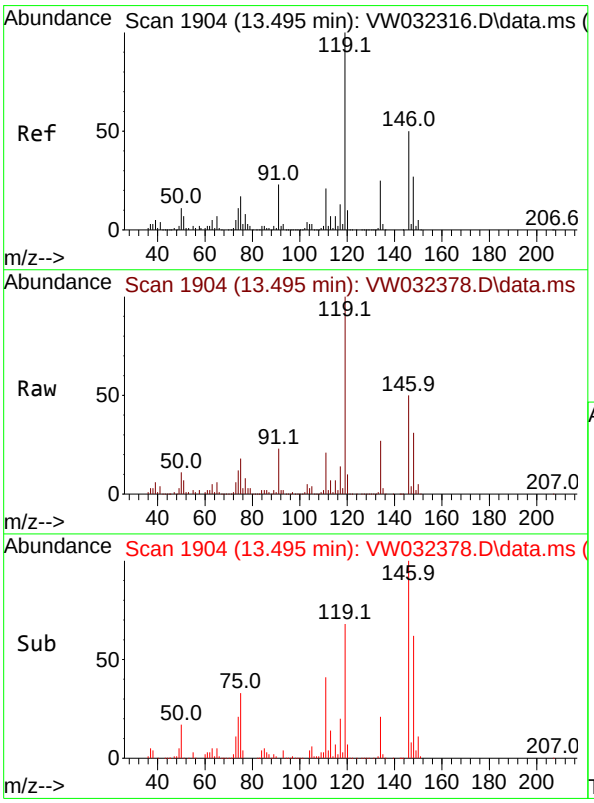
Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.1	30.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

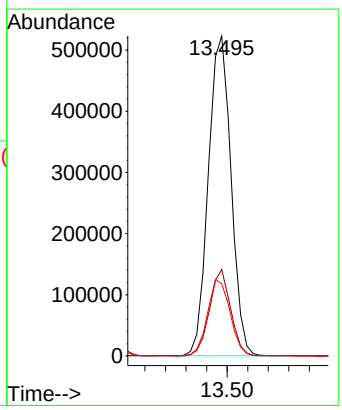


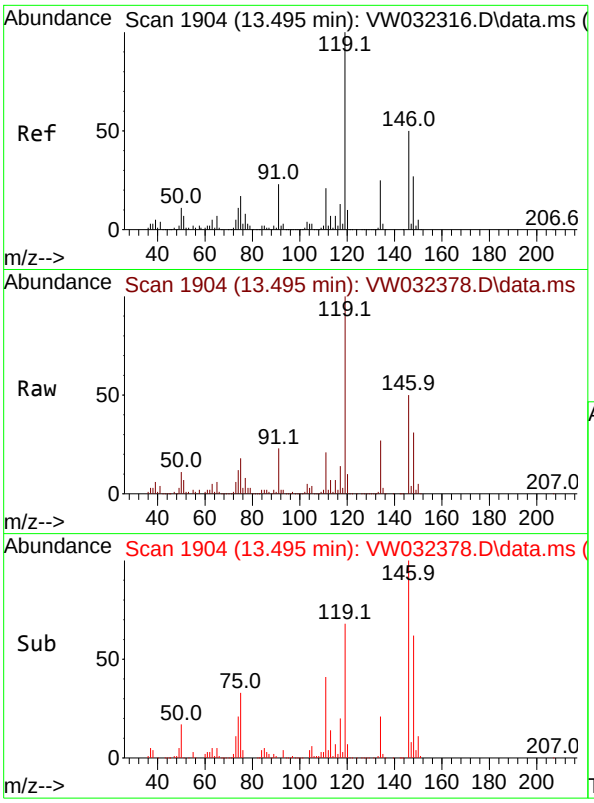


#86
p-Isopropyltoluene
Concen: 55.381 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:119 Resp: 800220

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.6
91	23.8	12.4	37.0

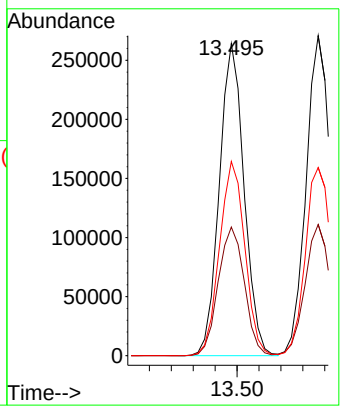




#87
1,3-Dichlorobenzene
Concen: 52.884 ug/l
RT: 13.495 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:146 Resp: 41461

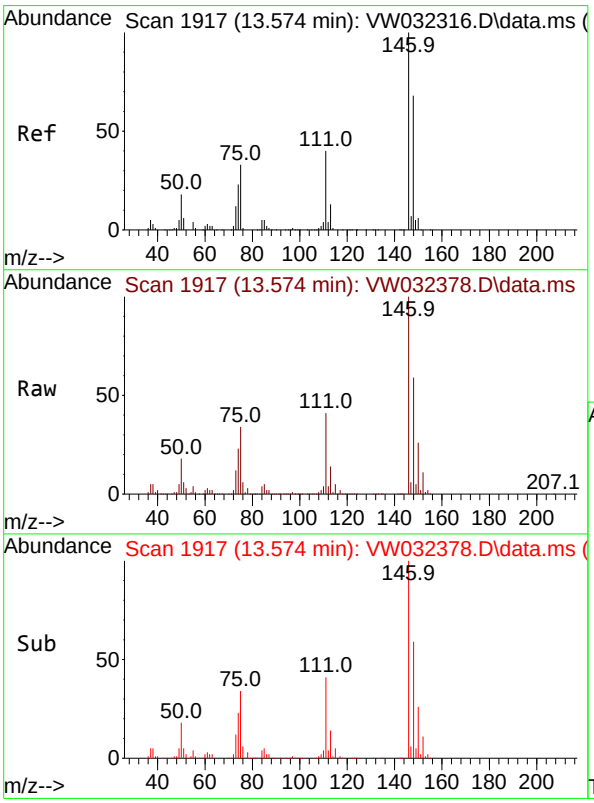
Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.6	61.9
148	63.7	30.6	92.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

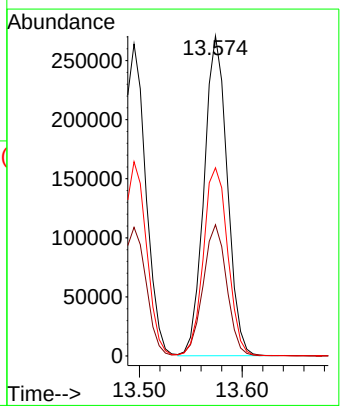
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

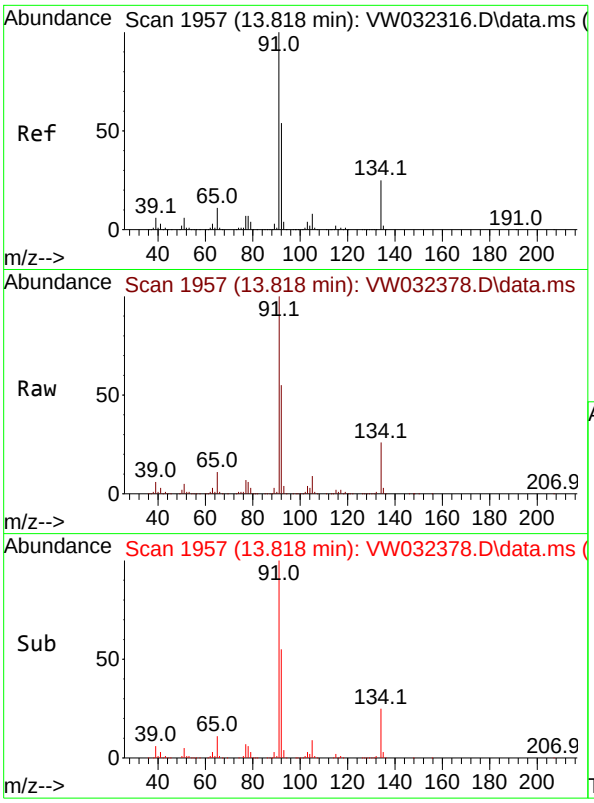


#88
1,4-Dichlorobenzene
Concen: 54.068 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:146 Resp: 423851

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.3	63.7
148	62.0	33.4	100.1

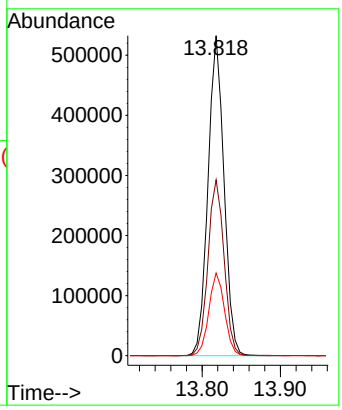




#89
n-Butylbenzene
Concen: 53.414 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 91 Resp: 75356

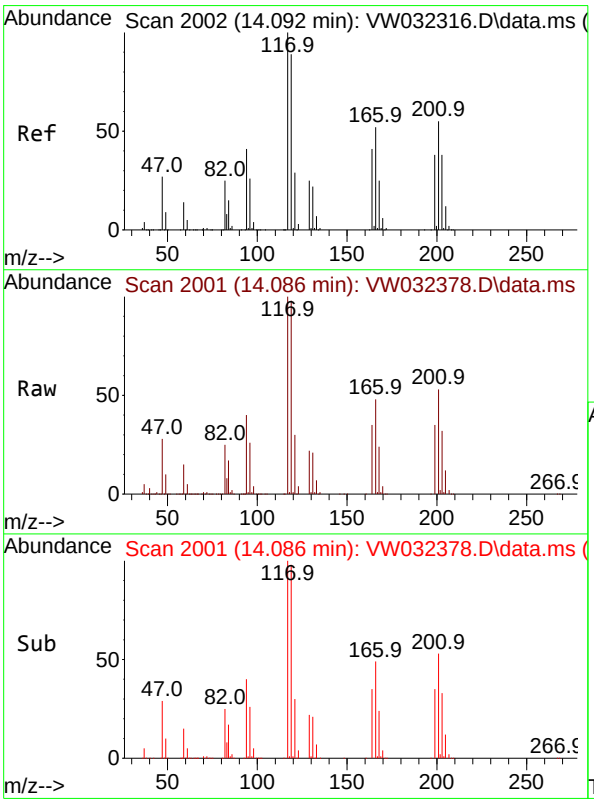
Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.0	81.0
134	25.4	13.1	39.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

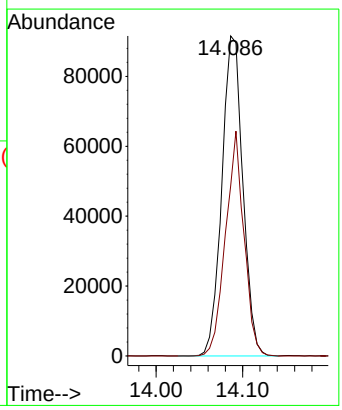
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

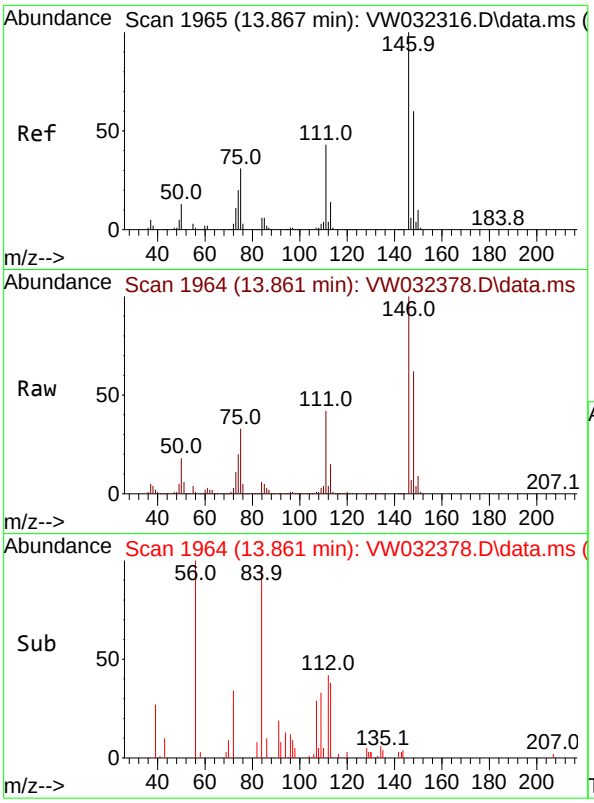


#90
Hexachloroethane
Concen: 59.535 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:117 Resp: 154192

Ion	Ratio	Lower	Upper
117	100		
201	61.8	32.8	98.4

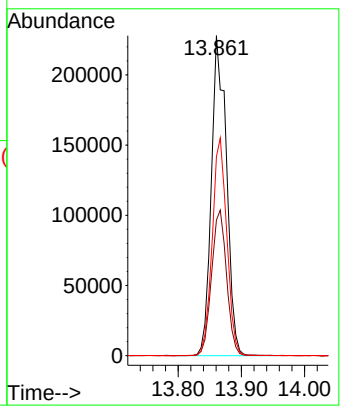




#91
1,2-Dichlorobenzene
Concen: 53.150 ug/l
RT: 13.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:146 Resp: 37667

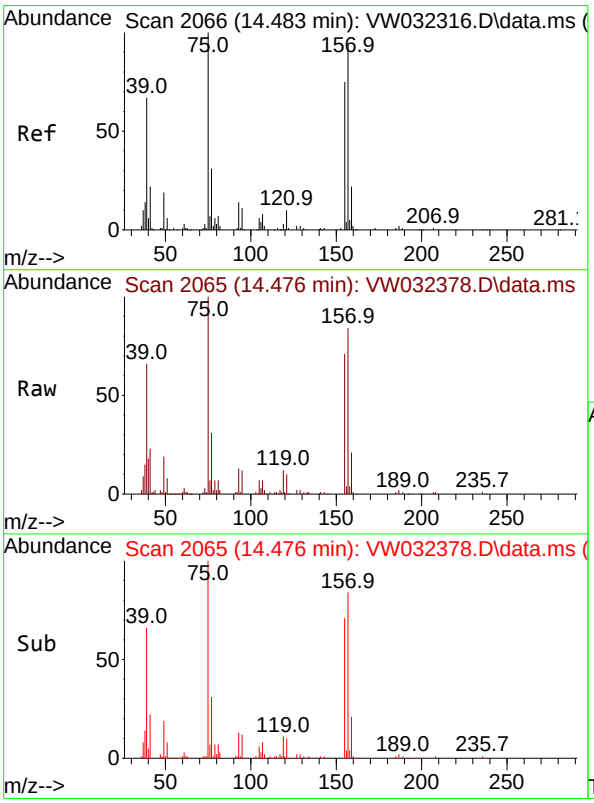
Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.4	70.0
148	65.9	34.1	102.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

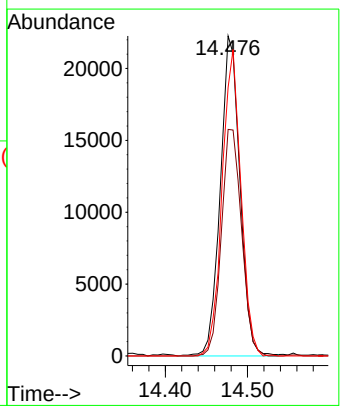
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

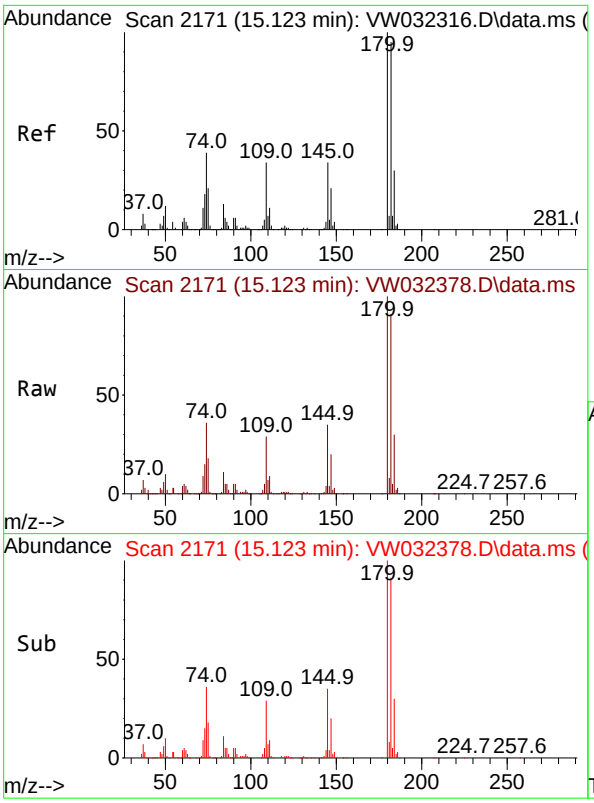


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.021 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion: 75 Resp: 37022

Ion	Ratio	Lower	Upper
75	100		
155	72.7	40.8	122.5
157	91.7	51.8	155.4





#93
1,2,4-Trichlorobenzene
Concen: 52.878 ug/l
RT: 15.123 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

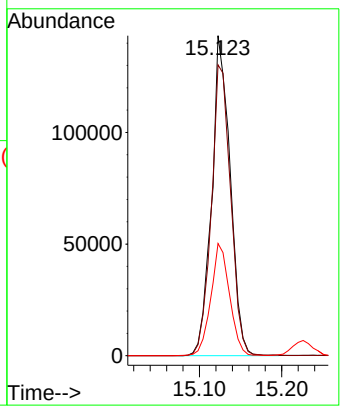
Tgt Ion:180 Resp: 22471

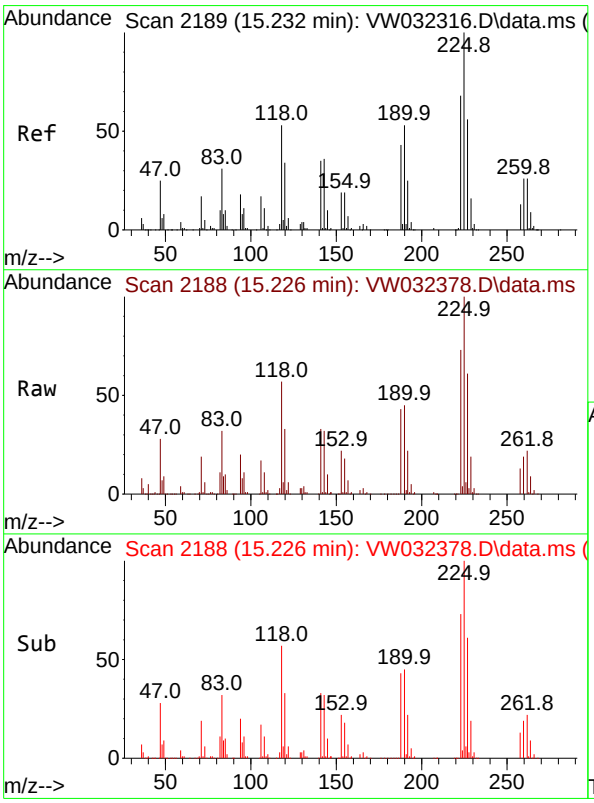
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.2
145	35.5	16.4	49.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

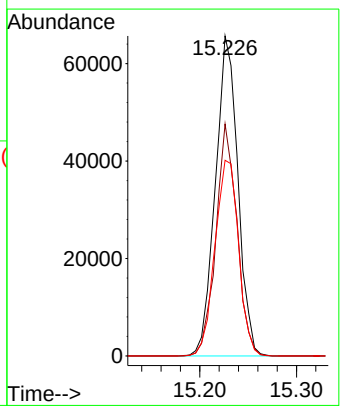


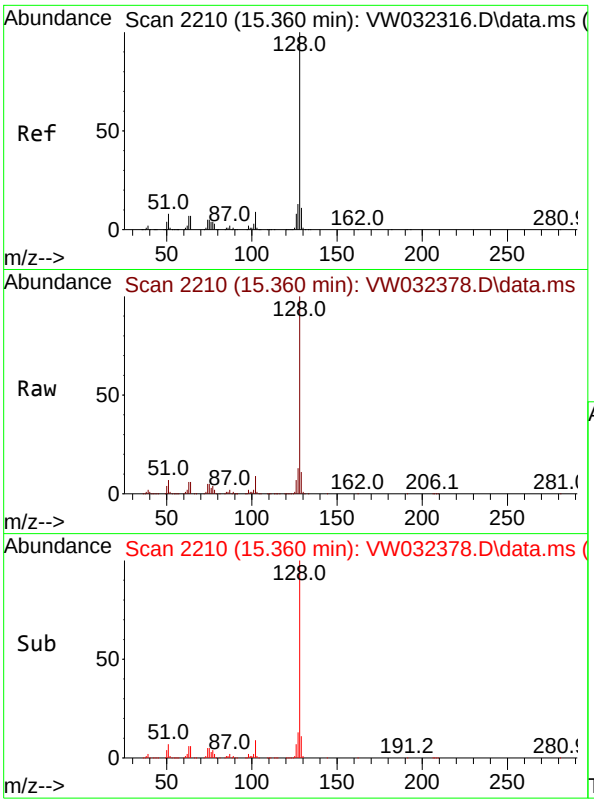


#94
Hexachlorobutadiene
Concen: 54.498 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:225 Resp: 105887

Ion	Ratio	Lower	Upper
225	100		
223	67.9	29.8	89.3
227	64.3	30.5	91.5

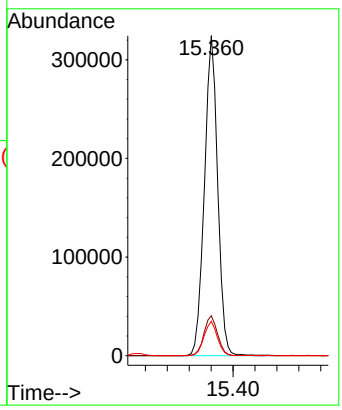




#95
Naphthalene
Concen: 53.140 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:128 Resp: 54233

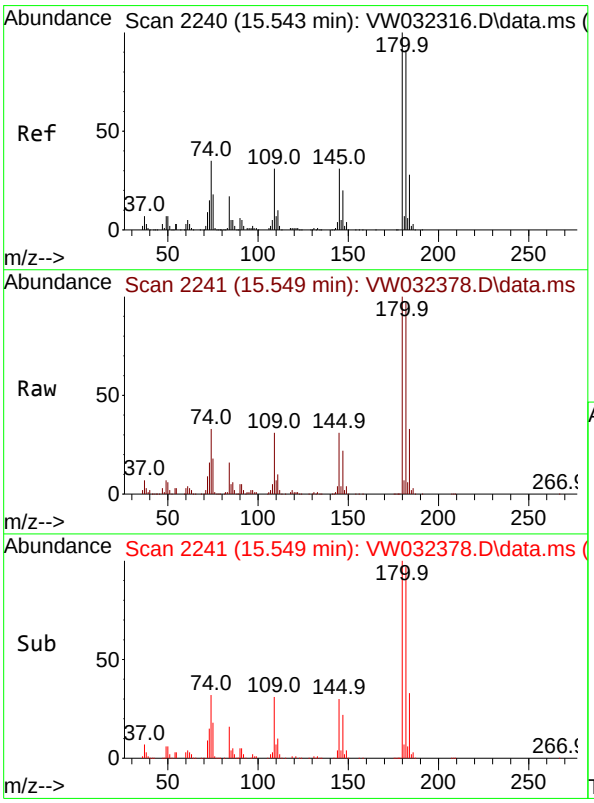
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.9	8.4	12.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

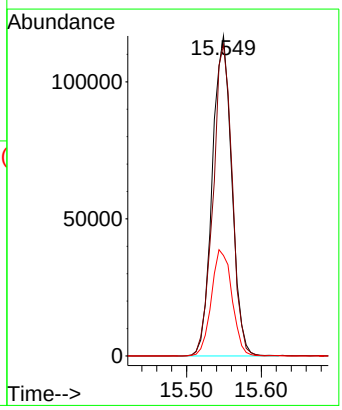
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.854 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW032378.D
Acq: 20 Oct 2025 10:20

Tgt Ion:180 Resp: 211711

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.7	143.1
145	35.0	17.2	51.6



Sample Results: **VW032378.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032378.D
Acq On : 20 Oct 2025 10:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Oct 21 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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	95	0.00
2	T	Dichlorodifluoromethane	0.314	0.311	1.0	112	0.00
3	P	Chloromethane	0.484	0.459	5.2	105	0.00
4	C	Vinyl Chloride	0.578	0.608	-5.2#	110	0.00
5	T	Bromomethane	0.425	0.444	-4.5	111	0.00
6	T	Chloroethane	0.382	0.416	-8.9	112	0.00
7	T	Trichlorofluoromethane	0.433	0.501	-15.7	114	0.00
8	T	Diethyl Ether	0.375	0.402	-7.2	111	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.519	0.563	-8.5	116	0.00
10	T	Methyl Iodide	0.741	0.844	-13.9	116	0.00
11	T	Tert butyl alcohol	0.055	0.047	14.5	91	0.00
12	CM	1,1-Dichloroethene	0.564	0.625	-10.8#	115	0.00
13	T	Acrolein	0.090	0.031	65.6#	37#	0.00
14	T	Allyl chloride	0.952	1.020	-7.1	107	0.00
15	T	Acrylonitrile	0.195	0.201	-3.1	102	0.00
16	T	Acetone	0.202	0.196	3.0	102	0.00
17	T	Carbon Disulfide	1.538	1.711	-11.2	113	0.00
18	T	Methyl Acetate	0.578	0.649	-12.3	99	0.00
19	T	Methyl tert-butyl Ether	1.110	1.198	-7.9	107	0.00
20	T	Methylene Chloride	0.838	0.723	13.7	109	0.00
21	T	trans-1,2-Dichloroethene	0.624	0.698	-11.9	113	0.00
22	T	Diisopropyl ether	1.979	2.191	-10.7	110	0.00
23	T	Vinyl Acetate	1.322	1.403	-6.1	107	0.00
24	P	1,1-Dichloroethane	1.203	1.322	-9.9	112	0.00
25	T	2-Butanone	0.275	0.276	-0.4	101	0.00
26	T	2,2-Dichloropropane	0.615	0.700	-13.8	116	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.820	-9.5	109	0.00
28	T	Bromochloromethane	0.566	0.610	-7.8	106	0.00
29	T	Tetrahydrofuran	0.173	0.179	-3.5	100	0.00
30	C	Chloroform	1.220	1.377	-12.9#	115	0.00
31	T	Cyclohexane	1.027	1.031	-0.4	108	0.00
32	T	1,1,1-Trichloroethane	0.864	0.981	-13.5	115	0.00
33	S	1,2-Dichloroethane-d4	0.729	0.743	-1.9	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35	S	Dibromofluoromethane	0.324	0.347	-7.1	107	0.00
36	T	1,1-Dichloropropene	0.457	0.513	-12.3	110	0.00
37	T	Ethyl Acetate	0.304	0.311	-2.3	101	0.00
38	T	Carbon Tetrachloride	0.430	0.504	-17.2	118	0.00
39	T	Methylcyclohexane	0.551	0.593	-7.6	107	0.00
40	TM	Benzene	1.432	1.599	-11.7	112	0.00
41	T	Methacrylonitrile	0.164	0.178	-8.5	103	0.00
42	TM	1,2-Dichloroethane	0.469	0.515	-9.8	110	0.00
43	T	Isopropyl Acetate	0.540	0.591	-9.4	107	0.00
44	TM	Trichloroethene	0.335	0.366	-9.3	111	0.00
45	C	1,2-Dichloropropane	0.358	0.402	-12.3#	111	0.00
46	T	Dibromomethane	0.220	0.246	-11.8	110	0.00
47	T	Bromodichloromethane	0.503	0.597	-18.7	117	0.00
48	T	Methyl methacrylate	0.262	0.276	-5.3	101	0.00

Sample Results: **VW032378.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032378.D
Acq On : 20 Oct 2025 10:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Oct 21 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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	101	0.00
50	S	Toluene-d8	1.195	1.278	-6.9	101	0.00
51	T	4-Methyl-2-Pentanone	0.313	0.344	-9.9	104	0.00
52	CM	Toluene	0.892	1.027	-15.1#	113	0.00
53	T	t-1,3-Dichloropropene	0.488	0.563	-15.4	111	0.00
54	T	cis-1,3-Dichloropropene	0.562	0.643	-14.4	111	0.00
55	T	1,1,2-Trichloroethane	0.294	0.336	-14.3	113	0.00
56	T	Ethyl methacrylate	0.411	0.464	-12.9	107	0.00
57	T	1,3-Dichloropropane	0.519	0.578	-11.4	109	0.00
58	T	2-Chloroethyl Vinyl ether	0.219	0.252	-15.1	98	0.00
59	T	2-Hexanone	0.220	0.244	-10.9	105	0.00
60	T	Dibromochloromethane	0.334	0.413	-23.7	119	0.00
61	T	1,2-Dibromoethane	0.287	0.319	-11.1	108	0.00
62	S	4-Bromofluorobenzene	0.452	0.470	-4.0	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.299	0.315	-5.4	108	0.00
65	PM	Chlorobenzene	1.100	1.171	-6.5	109	0.00
66	T	1,1,1,2-Tetrachloroethane	0.343	0.404	-17.8	122	0.00
67	C	Ethyl Benzene	1.834	2.060	-12.3#	113	0.00
68	T	m/p-Xylenes	0.707	0.797	-12.7	114	0.00
69	T	o-Xylene	0.661	0.740	-12.0	111	0.00
70	T	Styrene	1.155	1.345	-16.5	114	0.00
71	P	Bromoform	0.196	0.242	-23.5	122	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.421	3.733	-9.1	112	0.00
74	T	N-amyl acetate	1.091	1.117	-2.4	105	0.00
75	P	1,1,2,2-Tetrachloroethane	0.849	0.868	-2.2	108	0.00
76	T	1,2,3-Trichloropropane	0.658	0.655	0.5	108	0.00
77	T	Bromobenzene	0.825	0.889	-7.8	109	0.00
78	T	n-propylbenzene	4.273	4.654	-8.9	114	0.00
79	T	2-Chlorotoluene	2.613	2.780	-6.4	110	0.00
80	T	1,3,5-Trimethylbenzene	2.958	3.207	-8.4	110	0.00
81	T	trans-1,4-Dichloro-2-butene	0.260	0.300	-15.4	112	0.00
82	T	4-Chlorotoluene	2.778	3.024	-8.9	114	0.00
83	T	tert-Butylbenzene	2.427	2.730	-12.5	116	0.00
84	T	1,2,4-Trimethylbenzene	3.008	3.285	-9.2	111	0.00
85	T	sec-Butylbenzene	3.709	3.987	-7.5	112	0.00
86	T	p-Isopropyltoluene	3.077	3.409	-10.8	114	0.00
87	T	1,3-Dichlorobenzene	1.670	1.766	-5.7	111	0.00
88	T	1,4-Dichlorobenzene	1.670	1.805	-8.1	117	0.00
89	T	n-Butylbenzene	3.005	3.210	-6.8	111	0.00
90	T	Hexachloroethane	0.552	0.657	-19.0	126	0.00
91	T	1,2-Dichlorobenzene	1.509	1.604	-6.3	115	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.149	0.158	-6.0	108	0.00
93	T	1,2,4-Trichlorobenzene	0.905	0.957	-5.7	115	0.00
94	T	Hexachlorobutadiene	0.414	0.451	-8.9	125	0.00
95	T	Naphthalene	2.174	2.310	-6.3	105	0.00

Sample Results: **VW032378.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032378.D
Acq On : 20 Oct 2025 10:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Oct 21 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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	0.853	0.902	-5.7	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VW032378.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032378.D
Acq On : 20 Oct 2025 10:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Oct 21 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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	95	0.00
2	T	Dichlorodifluoromethane	50.000	49.525	1.0	112	0.00
3	P	Chloromethane	50.000	47.414	5.2	105	0.00
4	C	Vinyl Chloride	50.000	52.579	-5.2#	110	0.00
5	T	Bromomethane	50.000	52.244	-4.5	111	0.00
6	T	Chloroethane	50.000	54.521	-9.0	112	0.00
7	T	Trichlorofluoromethane	50.000	57.903	-15.8	114	0.00
8	T	Diethyl Ether	50.000	53.538	-7.1	111	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.231	-8.5	116	0.00
10	T	Methyl Iodide	50.000	56.977	-14.0	116	0.00
11	T	Tert butyl alcohol	250.000	212.423	15.0	91	0.00
12	CM	1,1-Dichloroethene	50.000	55.494	-11.0#	115	0.00
13	T	Acrolein	250.000	87.232	65.1#	37	0.00
14	T	Allyl chloride	50.000	53.572	-7.1	107	0.00
15	T	Acrylonitrile	250.000	257.055	-2.8	102	0.00
16	T	Acetone	250.000	242.037	3.2	102	0.00
17	T	Carbon Disulfide	50.000	55.631	-11.3	113	0.00
18	T	Methyl Acetate	50.000	56.056	-12.1	99	0.00
19	T	Methyl tert-butyl Ether	50.000	53.964	-7.9	107	0.00
20	T	Methylene Chloride	50.000	54.562	-9.1	109	0.00
21	T	trans-1,2-Dichloroethene	50.000	55.946	-11.9	113	0.00
22	T	Diisopropyl ether	50.000	55.352	-10.7	110	0.00
23	T	Vinyl Acetate	250.000	265.367	-6.1	107	0.00
24	P	1,1-Dichloroethane	50.000	54.958	-9.9	112	0.00
25	T	2-Butanone	250.000	250.876	-0.4	101	0.00
26	T	2,2-Dichloropropane	50.000	56.907	-13.8	116	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.730	-9.5	109	0.00
28	T	Bromochloromethane	50.000	53.869	-7.7	106	0.00
29	T	Tetrahydrofuran	250.000	259.216	-3.7	100	0.00
30	C	Chloroform	50.000	56.448	-12.9#	115	0.00
31	T	Cyclohexane	50.000	50.212	-0.4	108	0.00
32	T	1,1,1-Trichloroethane	50.000	56.749	-13.5	115	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.924	-1.8	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35	S	Dibromofluoromethane	50.000	53.598	-7.2	107	0.00
36	T	1,1-Dichloropropene	50.000	56.099	-12.2	110	0.00
37	T	Ethyl Acetate	50.000	51.178	-2.4	101	0.00
38	T	Carbon Tetrachloride	50.000	58.585	-17.2	118	0.00
39	T	Methylcyclohexane	50.000	53.803	-7.6	107	0.00
40	TM	Benzene	50.000	55.818	-11.6	112	0.00
41	T	Methacrylonitrile	50.000	54.317	-8.6	103	0.00
42	TM	1,2-Dichloroethane	50.000	54.972	-9.9	110	0.00
43	T	Isopropyl Acetate	50.000	54.722	-9.4	107	0.00
44	TM	Trichloroethene	50.000	54.492	-9.0	111	0.00
45	C	1,2-Dichloropropane	50.000	56.170	-12.3#	111	0.00
46	T	Dibromomethane	50.000	56.022	-12.0	110	0.00
47	T	Bromodichloromethane	50.000	59.385	-18.8	117	0.00
48	T	Methyl methacrylate	50.000	52.640	-5.3	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032378.D
Acq On : 20 Oct 2025 10:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Oct 21 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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	1099.123	-9.9	101	0.00
50	S	Toluene-d8	50.000	53.480	-7.0	101	0.00
51	T	4-Methyl-2-Pentanone	250.000	275.041	-10.0	104	0.00
52	CM	Toluene	50.000	57.552	-15.1#	113	0.00
53	T	t-1,3-Dichloropropene	50.000	57.719	-15.4	111	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.231	-14.5	111	0.00
55	T	1,1,2-Trichloroethane	50.000	57.233	-14.5	113	0.00
56	T	Ethyl methacrylate	50.000	56.352	-12.7	107	0.00
57	T	1,3-Dichloropropane	50.000	55.655	-11.3	109	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	287.576	-15.0	98	0.00
59	T	2-Hexanone	250.000	276.684	-10.7	105	0.00
60	T	Dibromochloromethane	50.000	61.883	-23.8	119	0.00
61	T	1,2-Dibromoethane	50.000	55.617	-11.2	108	0.00
62	S	4-Bromofluorobenzene	50.000	52.021	-4.0	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	52.663	-5.3	108	0.00
65	PM	Chlorobenzene	50.000	53.221	-6.4	109	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	58.904	-17.8	122	0.00
67	C	Ethyl Benzene	50.000	56.174	-12.3#	113	0.00
68	T	m/p-Xylenes	100.000	112.736	-12.7	114	0.00
69	T	o-Xylene	50.000	55.988	-12.0	111	0.00
70	T	Styrene	50.000	58.262	-16.5	114	0.00
71	P	Bromoform	50.000	61.560	-23.1	122	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	54.560	-9.1	112	0.00
74	T	N-amyl acetate	50.000	51.189	-2.4	105	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.119	-2.2	108	0.00
76	T	1,2,3-Trichloropropane	50.000	49.739	0.5	108	0.00
77	T	Bromobenzene	50.000	53.907	-7.8	109	0.00
78	T	n-propylbenzene	50.000	54.462	-8.9	114	0.00
79	T	2-Chlorotoluene	50.000	53.203	-6.4	110	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.209	-8.4	110	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.667	-15.3	112	0.00
82	T	4-Chlorotoluene	50.000	54.437	-8.9	114	0.00
83	T	tert-Butylbenzene	50.000	56.237	-12.5	116	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.602	-9.2	111	0.00
85	T	sec-Butylbenzene	50.000	53.756	-7.5	112	0.00
86	T	p-Isopropyltoluene	50.000	55.381	-10.8	114	0.00
87	T	1,3-Dichlorobenzene	50.000	52.884	-5.8	111	0.00
88	T	1,4-Dichlorobenzene	50.000	54.068	-8.1	117	0.00
89	T	n-Butylbenzene	50.000	53.414	-6.8	111	0.00
90	T	Hexachloroethane	50.000	59.535	-19.1	126	0.00
91	T	1,2-Dichlorobenzene	50.000	53.150	-6.3	115	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.021	-6.0	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.878	-5.8	115	0.00
94	T	Hexachlorobutadiene	50.000	54.498	-9.0	125	0.00
95	T	Naphthalene	50.000	53.140	-6.3	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032378.D
Acq On : 20 Oct 2025 10:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Oct 21 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.854	-5.7	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX048252.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: MSVOA_X
Calibration Date/Time: 10/21/2025 08:43
Lab File ID: VX048252.D
Init. Calib. Date(s): 10/20/2025 10/20/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 10:59 13:49
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.514	0.496		-3.5	20
Chloromethane	0.480	0.468	0.1	-2.5	20
Vinyl Chloride	0.444	0.448		0.9	20
Bromomethane	0.302	0.299		-0.99	20
Chloroethane	0.261	0.261		0	20
Trichlorofluoromethane	0.852	0.813		-4.58	20
1,1,2-Trichlorotrifluoroethane	0.540	0.513		-5	20
1,1-Dichloroethene	0.525	0.498		-5.14	20
Acetone	0.240	0.230		-4.17	20
Carbon Disulfide	1.654	1.439		-13	20
Methyl tert-butyl Ether	1.791	1.576		-12	20
Methyl Acetate	0.502	0.411		-18.13	20
Methylene Chloride	0.586	0.556		-5.12	20
trans-1,2-Dichloroethene	0.577	0.538		-6.76	20
1,1-Dichloroethane	1.051	0.952	0.1	-9.42	20
Cyclohexane	0.870	0.788		-9.43	20
2-Butanone	0.304	0.260		-14.47	20
Carbon Tetrachloride	0.599	0.533		-11.02	20
cis-1,2-Dichloroethene	0.673	0.610		-9.36	20
Bromochloromethane	0.436	0.435		-0.23	20
Chloroform	1.123	1.006		-10.42	20
1,1,1-Trichloroethane	1.035	0.920		-11.11	20
Methylcyclohexane	0.573	0.510		-10.99	20
Benzene	1.409	1.280		-9.15	20
1,2-Dichloroethane	0.520	0.466		-10.39	20
Trichloroethene	0.372	0.337		-9.41	20
1,2-Dichloropropane	0.335	0.305		-8.95	20
Bromodichloromethane	0.563	0.510		-9.41	20
4-Methyl-2-Pentanone	0.381	0.302		-20.74	20
Toluene	0.895	0.795		-11.17	20
t-1,3-Dichloropropene	0.543	0.493		-9.21	20
cis-1,3-Dichloropropene	0.586	0.529		-9.73	20
1,1,2-Trichloroethane	0.333	0.291		-12.61	20
2-Hexanone	0.266	0.227		-14.66	20
Dibromochloromethane	0.447	0.388		-13.2	20
1,2-Dibromoethane	0.355	0.307		-13.52	20
Tetrachloroethene	0.373	0.325		-12.87	20
Chlorobenzene	1.125	1.025	0.3	-8.89	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX048252.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO02
Lab Code:	ACE	SDG No.:	Q3376
Instrument ID:	MSVOA_X	Calibration Date/Time:	10/21/2025 08:43
Lab File ID:	VX048252.D	Init. Calib. Date(s):	10/20/2025 10/20/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	10:59 13:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.915	1.738		-9.24	20
m/p-Xylenes	0.712	0.666		-6.46	20
o-Xylene	0.687	0.625		-9.02	20
Styrene	1.170	1.107		-5.39	20
Bromoform	0.330	0.283	0.1	-14.24	20
Isopropylbenzene	3.652	3.379		-7.47	20
1,1,2,2-Tetrachloroethane	0.997	0.857	0.3	-14.04	20
1,3-Dichlorobenzene	1.726	1.555		-9.91	20
1,4-Dichlorobenzene	1.788	1.551		-13.26	20
1,2-Dichlorobenzene	1.621	1.416		-12.65	20
1,2-Dibromo-3-Chloropropane	0.202	0.163		-19.31	20
1,2,4-Trichlorobenzene	1.096	0.885		-19.25	20
1,2,3-Trichlorobenzene	1.006	0.834		-17.1	20
1,2-Dichloroethane-d4	0.701	0.658		-6.13	20
Dibromofluoromethane	0.341	0.340		-0.29	20
Toluene-d8	1.196	1.150		-3.85	20
4-Bromofluorobenzene	0.455	0.419		-7.91	20

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_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	144122	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	227103	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	197016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	96991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	94847	46.938	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.880%			
35) Dibromofluoromethane	5.361	113	77279	49.844	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%			
50) Toluene-d8	8.628	98	261228	48.070	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.140%			
62) 4-Bromofluorobenzene	11.061	95	95248	46.072	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	71433	48.214	ug/l	96
3) Chloromethane	1.300	50	67413	48.746	ug/l	98
4) Vinyl Chloride	1.380	62	64624	50.463	ug/l	99
5) Bromomethane	1.617	94	43146	49.645	ug/l	97
6) Chloroethane	1.697	64	37653	50.036	ug/l	90
7) Trichlorofluoromethane	1.898	101	117120	47.687	ug/l	99
8) Diethyl Ether	2.129	74	32474	46.991	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	73938	47.541	ug/l	96
10) Methyl Iodide	2.453	142	89481	45.766	ug/l	100
11) Tert butyl alcohol	2.934	59	34686	172.886	ug/l	98
12) 1,1-Dichloroethene	2.325	96	71745	47.416	ug/l	88
13) Acrolein	2.233	56	55830	272.848	ug/l	99
14) Allyl chloride	2.666	41	114538	45.594	ug/l	97
15) Acrylonitrile	3.050	53	152721	211.101	ug/l	99
16) Acetone	2.367	43	166093	239.598	ug/l	95
17) Carbon Disulfide	2.514	76	207386	43.489	ug/l	100
18) Methyl Acetate	2.696	43	59246	40.924	ug/l	94
19) Methyl tert-butyl Ether	3.099	73	227127	44.001	ug/l	97
20) Methylene Chloride	2.788	84	80164	47.460	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	77587	46.681	ug/l	97
22) Diisopropyl ether	3.745	45	232684	46.439	ug/l	95
23) Vinyl Acetate	3.708	43	904806	226.065	ug/l	98
24) 1,1-Dichloroethane	3.599	63	137234	45.296	ug/l	99
25) 2-Butanone	4.531	43	187588	213.793	ug/l	100
26) 2,2-Dichloropropane	4.458	77	122921	44.950	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	87886	45.309	ug/l	98
28) Bromochloromethane	4.879	49	62707	49.917	ug/l	86
29) Tetrahydrofuran	4.983	42	100043	190.379	ug/l	93
30) Chloroform	5.074	83	145033	44.807	ug/l	98
31) Cyclohexane	5.452	56	113590	45.286	ug/l	95
32) 1,1,1-Trichloroethane	5.361	97	132637	44.462	ug/l	98
36) 1,1-Dichloropropene	5.672	75	97868	44.412	ug/l	100
37) Ethyl Acetate	4.690	43	73825	40.418	ug/l	98
38) Carbon Tetrachloride	5.659	117	120960	44.491	ug/l	96
39) Methylcyclohexane	7.360	83	115804	44.497	ug/l	95
40) Benzene	6.013	78	290616	45.424	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.891	41	40965	42.707	ug/l		96
42) 1,2-Dichloroethane	6.062	62	105747	44.791	ug/l		99
43) Isopropyl Acetate	6.318	43	122589	40.859	ug/l		95
44) Trichloroethene	7.104	130	76506	45.286	ug/l		92
45) 1,2-Dichloropropane	7.409	63	69342	45.586	ug/l		100
46) Dibromomethane	7.561	93	52913	44.649	ug/l		94
47) Bromodichloromethane	7.799	83	115823	45.265	ug/l		98
48) Methyl methacrylate	7.671	41	62073	41.000	ug/l		94
49) 1,4-Dioxane	7.641	88	15658	782.834	ug/l		92
51) 4-Methyl-2-Pentanone	8.555	43	343412	198.518	ug/l		95
52) Toluene	8.701	92	180638	44.443	ug/l		100
53) t-1,3-Dichloropropene	8.957	75	111868	45.367	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	120247	45.199	ug/l		94
55) 1,1,2-Trichloroethane	9.134	97	66141	43.758	ug/l		99
56) Ethyl methacrylate	9.098	69	94033	42.533	ug/l		94
57) 1,3-Dichloropropane	9.287	76	112894	43.726	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.220	63	253467	213.469	ug/l		95
59) 2-Hexanone	9.409	43	257988	213.881	ug/l		95
60) Dibromochloromethane	9.500	129	88005	43.319	ug/l		99
61) 1,2-Dibromoethane	9.592	107	69657	43.228	ug/l		98
64) Tetrachloroethene	9.256	164	64080	43.569	ug/l		98
65) Chlorobenzene	10.061	112	201952	45.568	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.140	131	73602	45.215	ug/l		98
67) Ethyl Benzene	10.177	91	342357	45.371	ug/l		98
68) m/p-Xylenes	10.280	106	262482	93.624	ug/l		98
69) o-Xylene	10.622	106	123116	45.486	ug/l		98
70) Styrene	10.634	104	218038	47.309	ug/l		100
71) Bromoform	10.780	173	55833	42.915	ug/l	#	99
73) Isopropylbenzene	10.945	105	327700	46.258	ug/l		100
74) N-amyl acetate	10.823	43	104260	41.490	ug/l		94
75) 1,1,2,2-Tetrachloroethane	11.195	83	83168	42.990	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	69389m	44.116	ug/l		
77) Bromobenzene	11.177	156	80981	45.589	ug/l		94
78) n-propylbenzene	11.286	91	383372	46.739	ug/l		98
79) 2-Chlorotoluene	11.347	91	226051	45.456	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	270132	46.077	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	27826	43.041	ug/l		98
82) 4-Chlorotoluene	11.433	91	271398	45.973	ug/l		98
83) tert-Butylbenzene	11.695	119	269543	44.748	ug/l		98
84) 1,2,4-Trimethylbenzene	11.731	105	270636	46.257	ug/l		99
85) sec-Butylbenzene	11.872	105	324459	44.772	ug/l		99
86) p-Isopropyltoluene	11.987	119	278806	44.510	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	150857	45.050	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	150468	43.374	ug/l		99
89) n-Butylbenzene	12.311	91	246692	43.269	ug/l		99
90) Hexachloroethane	12.518	117	53716	43.425	ug/l		96
91) 1,2-Dichlorobenzene	12.317	146	137387	43.698	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	15819	40.283	ug/l		100
93) 1,2,4-Trichlorobenzene	13.566	180	85831	40.369	ug/l		99
94) Hexachlorobutadiene	13.707	225	32869	41.267	ug/l		99
95) Naphthalene	13.755	128	233946	41.531	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	80863	41.446	ug/l		97

Sample Results: **VX048252.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

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

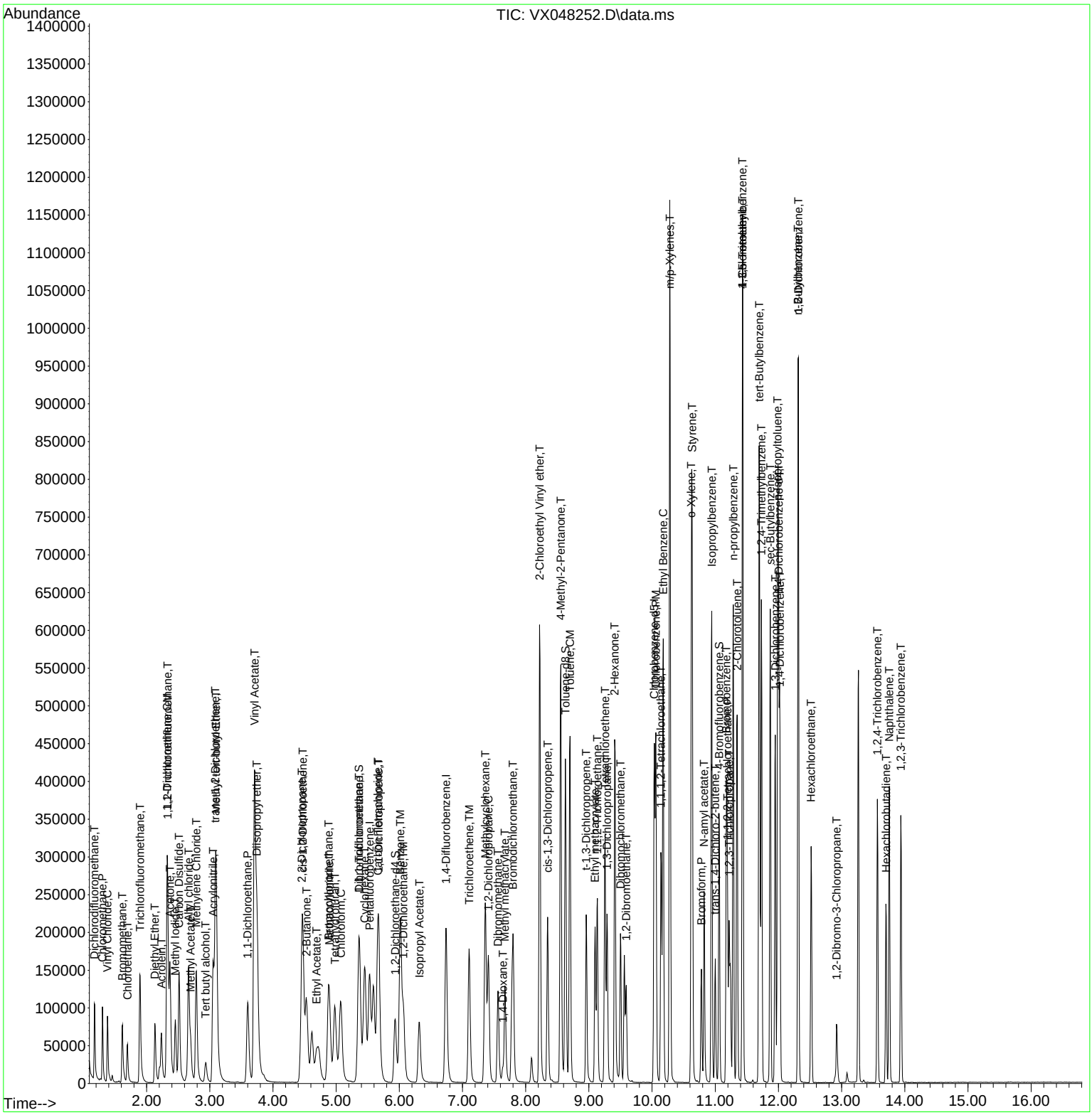
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Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
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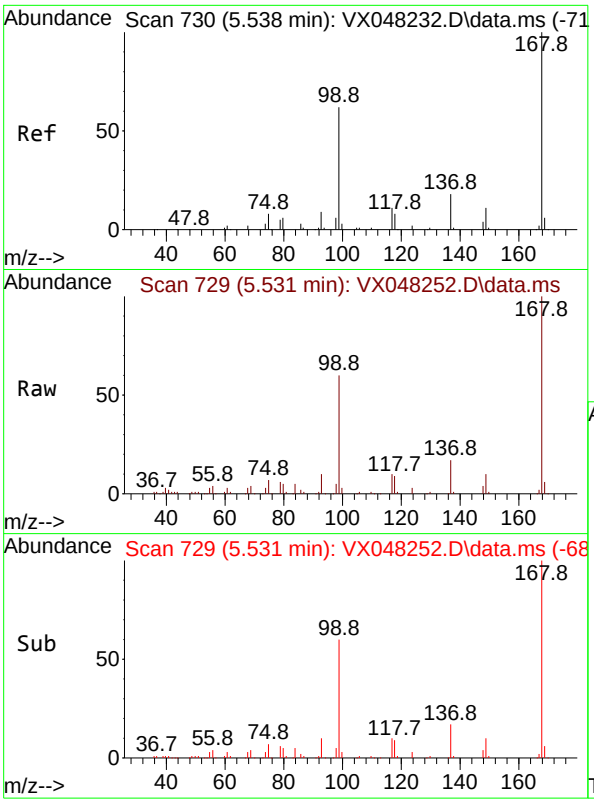
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Quant Title : SW846 8260
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ClientSampleId :
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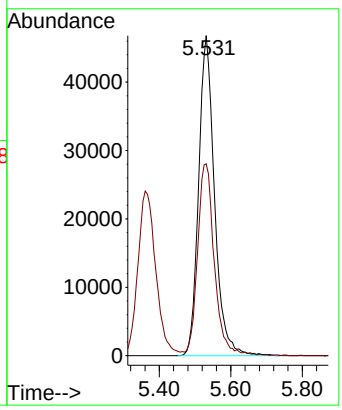




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:168 Resp: 14412

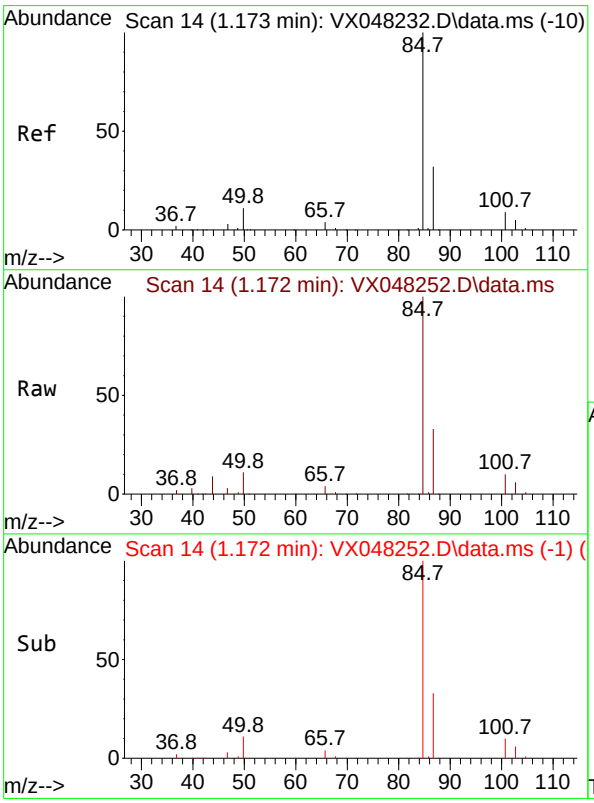
Ion	Ratio	Lower	Upper
168	100		
99	59.8	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

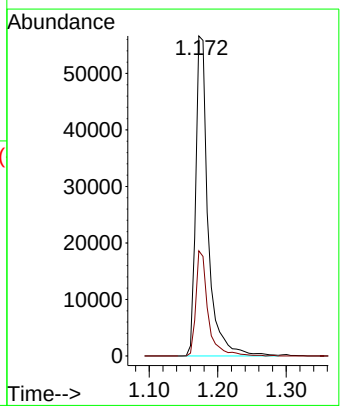
Reviewed By :John Carlone 10/24/2025
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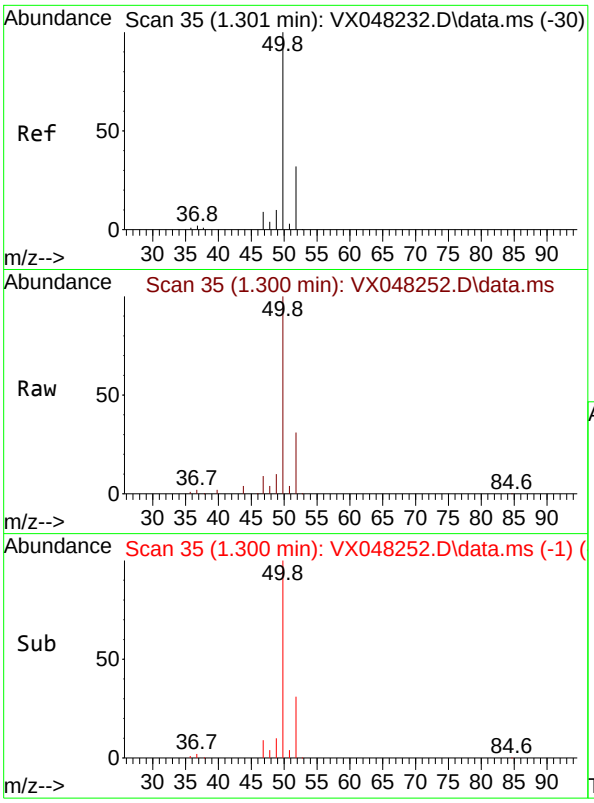


#2
Dichlorodifluoromethane
Concen: 48.214 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 85 Resp: 71433

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.3	45.9

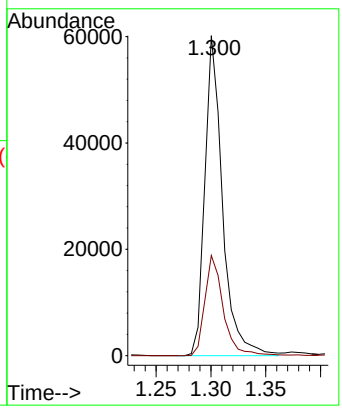




#3
Chloromethane
Concen: 48.746 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 50 Resp: 6741

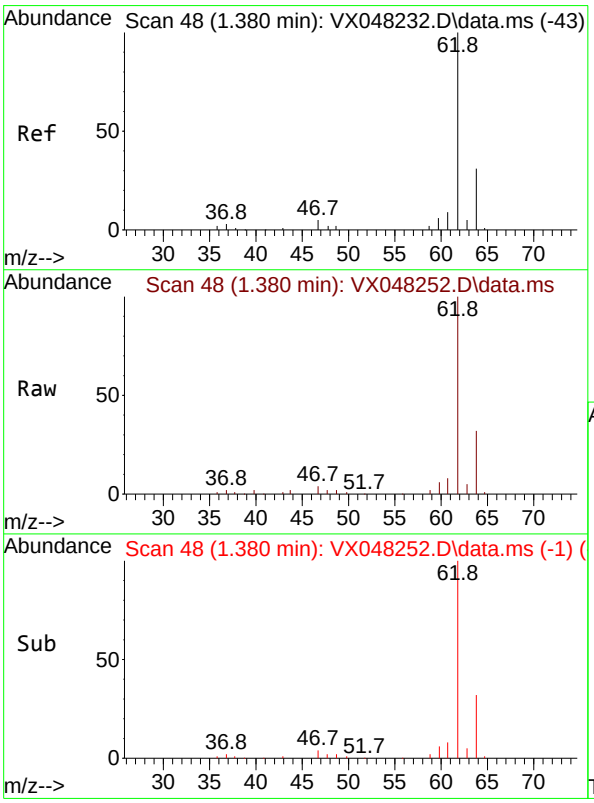
Ion	Ratio	Lower	Upper
50	100		
52	31.3	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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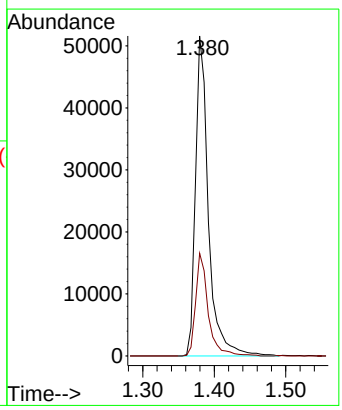
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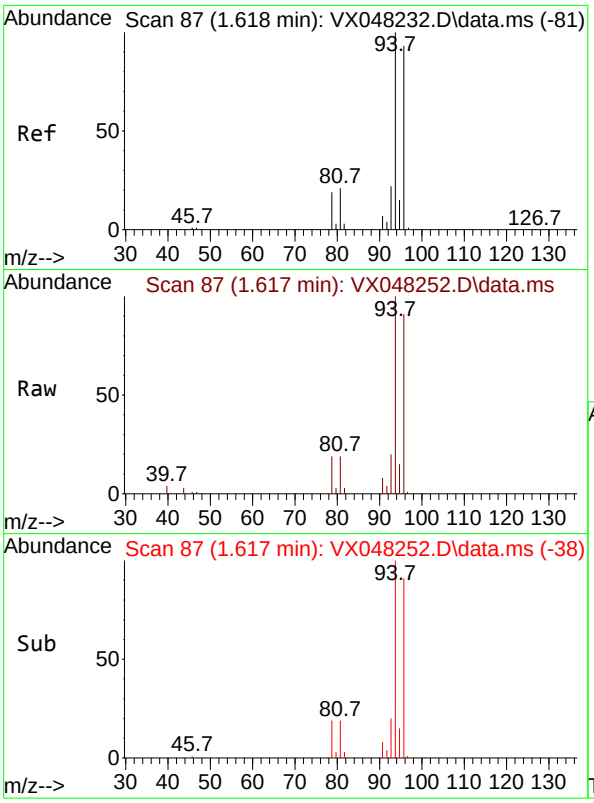


#4
Vinyl Chloride
Concen: 50.463 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 62 Resp: 64624

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.1	37.7





#5
Bromomethane
Concen: 49.645 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

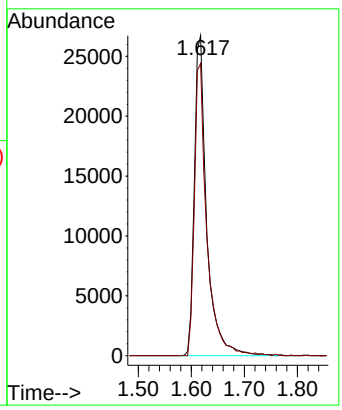
Tgt Ion: 94 Resp: 4314

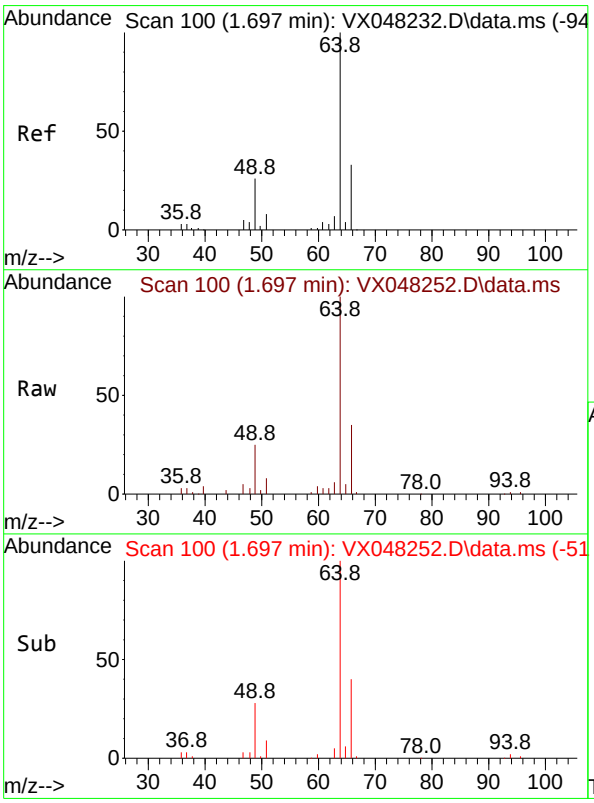
Ion	Ratio	Lower	Upper
94	100		
96	92.1	76.0	114.0

Instrument :
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ClientSampleId :
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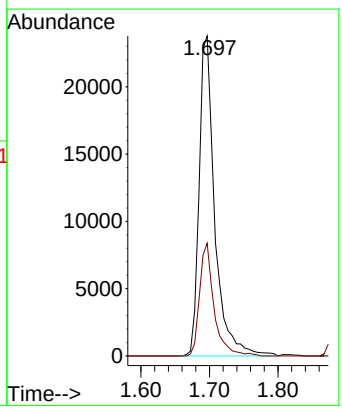


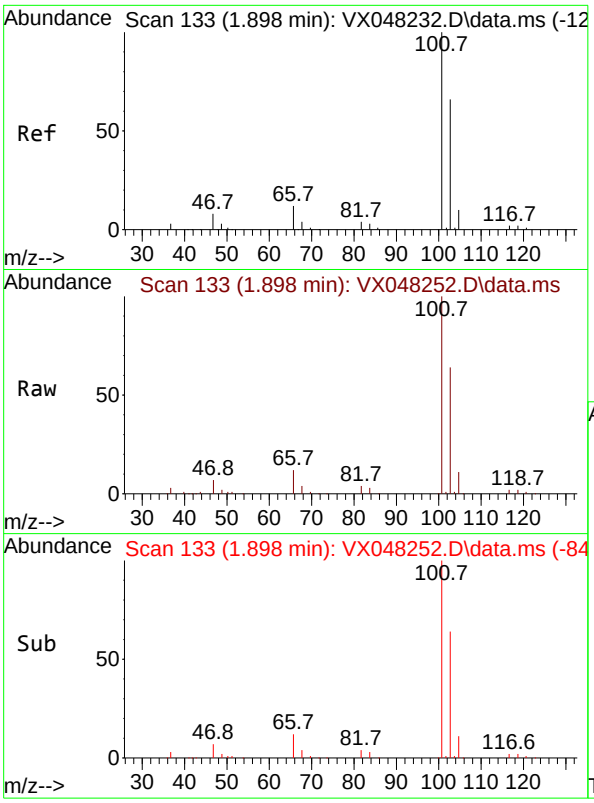


#6
Chloroethane
Concen: 50.036 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 64 Resp: 37653

Ion	Ratio	Lower	Upper
64	100		
66	35.2	23.9	35.9





#7
Trichlorofluoromethane
Concen: 47.687 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

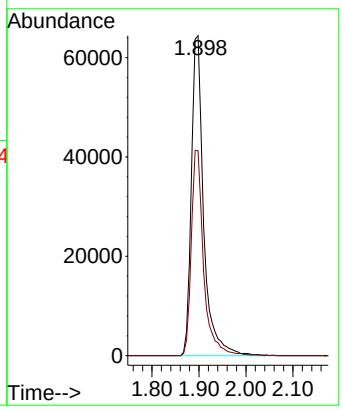
Tgt Ion:101 Resp: 11712

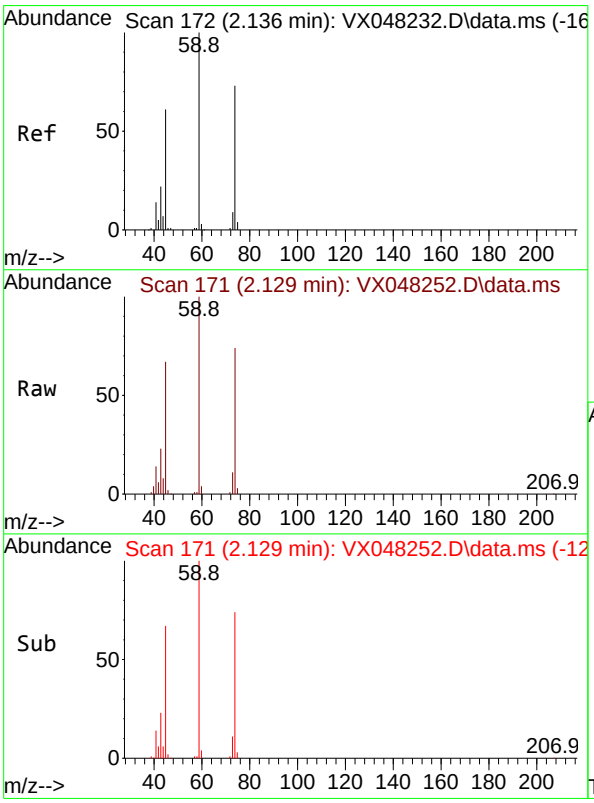
Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.6	77.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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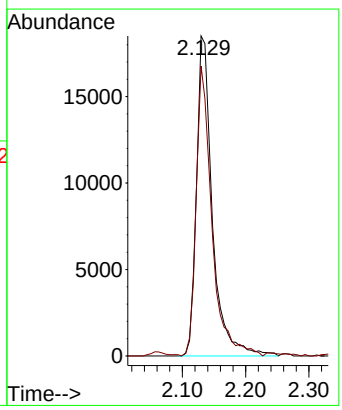


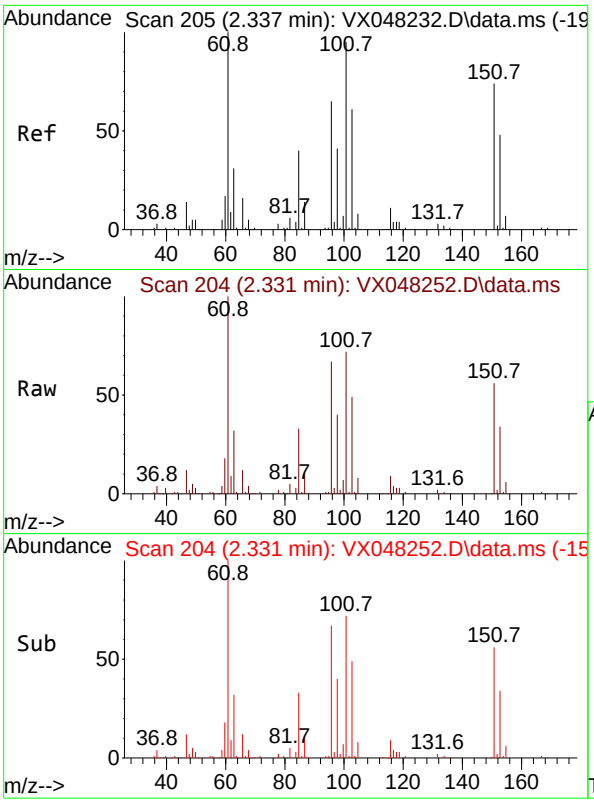


#8
Diethyl Ether
Concen: 46.991 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 74 Resp: 32474

Ion	Ratio	Lower	Upper
74	100		
45	89.4	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.541 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

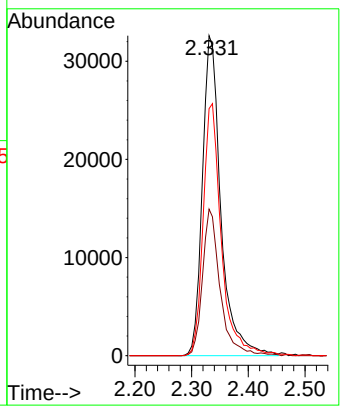
Tgt Ion:101 Resp: 7393

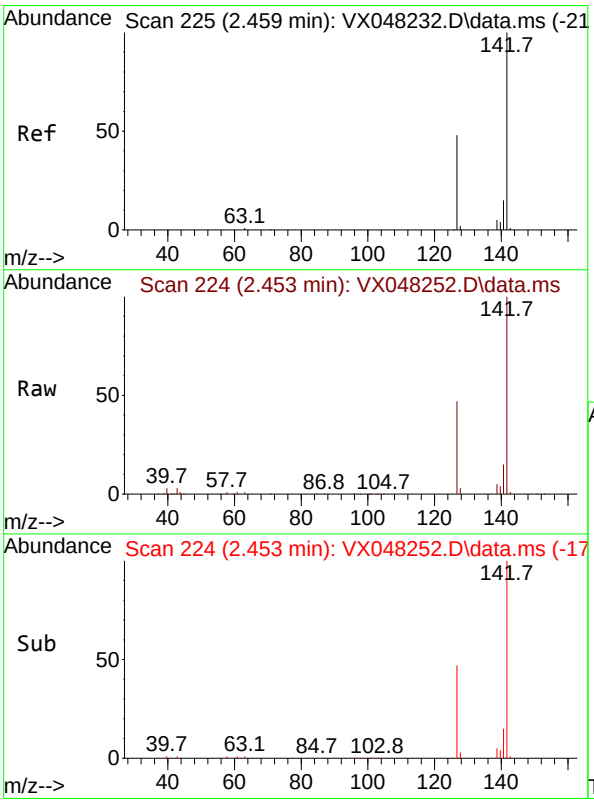
Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.6	53.4
151	77.9	58.0	87.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 10/24/2025
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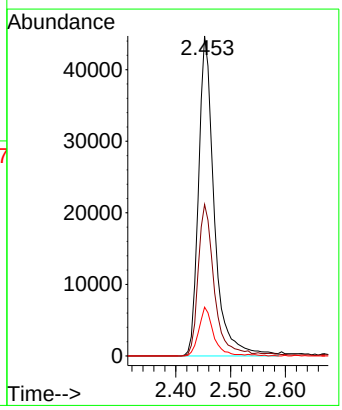


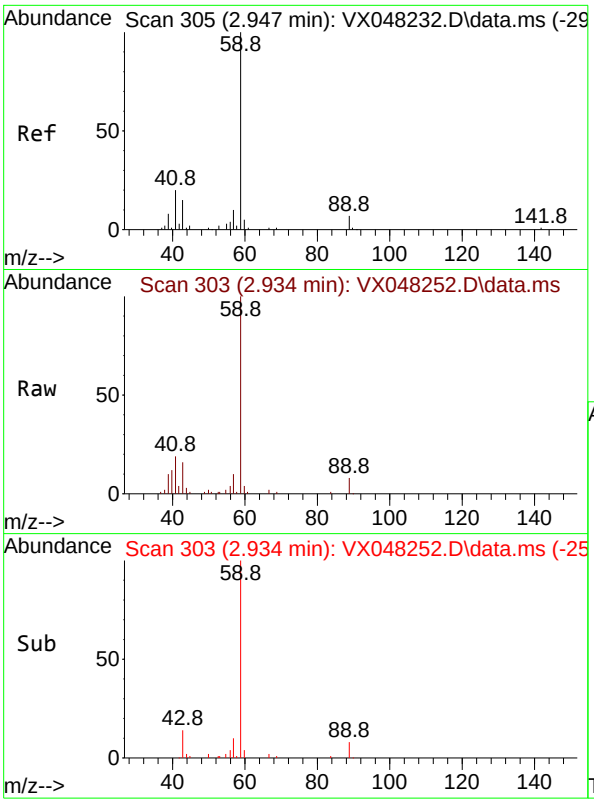


#10
Methyl Iodide
Concen: 45.766 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:142 Resp: 89481

Ion	Ratio	Lower	Upper
142	100		
127	48.1	38.5	57.7
141	14.1	11.6	17.4





#11
Tert butyl alcohol
Concen: 172.886 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

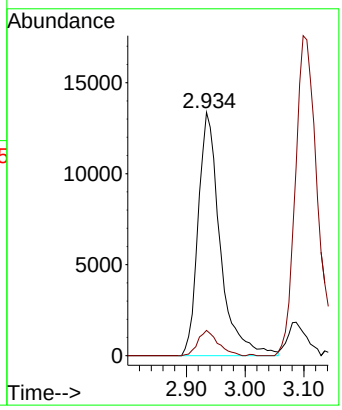
Tgt Ion: 59 Resp: 3468

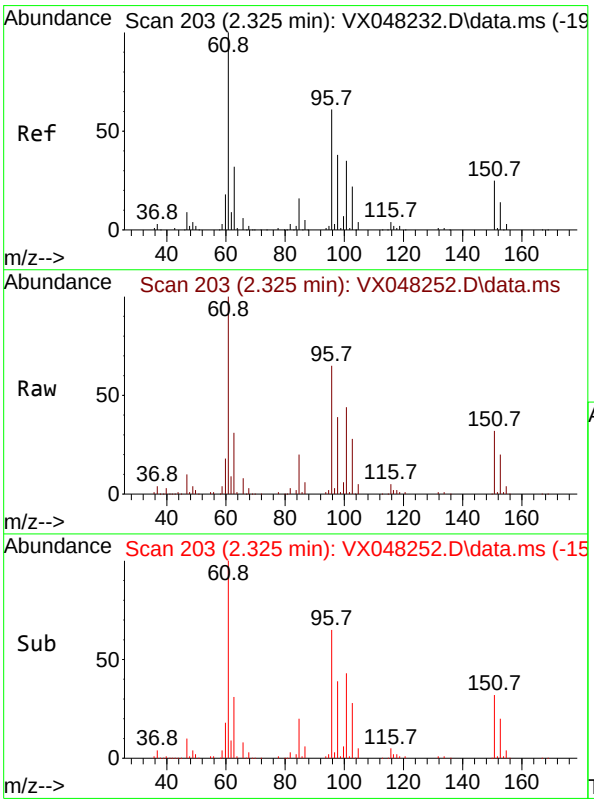
Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.2	12.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

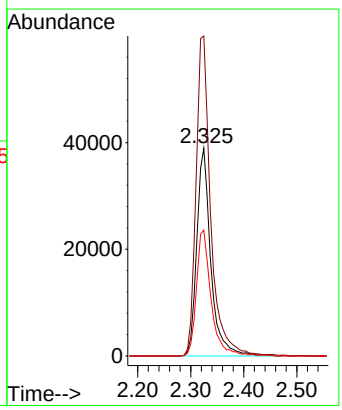


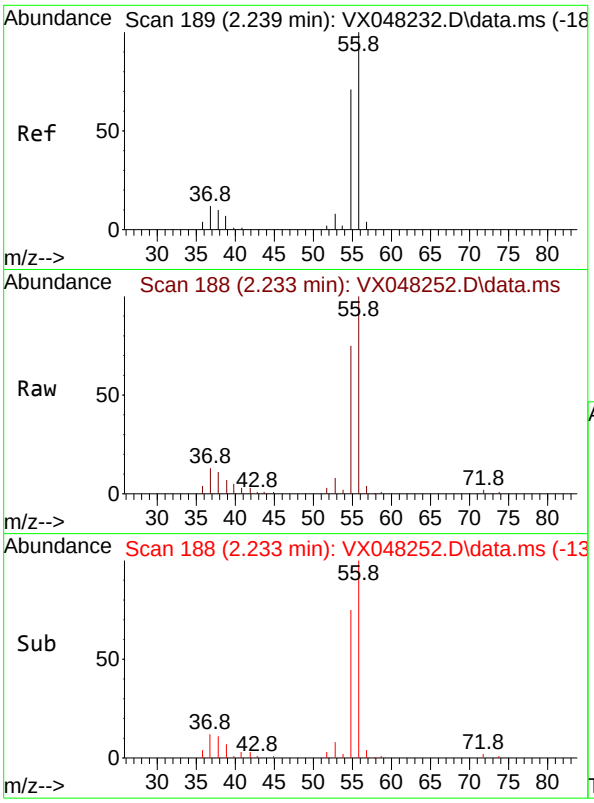


#12
1,1-Dichloroethene
Concen: 47.416 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 96 Resp: 71745

Ion	Ratio	Lower	Upper
96	100		
61	154.0	139.0	208.6
98	60.6	52.4	78.6

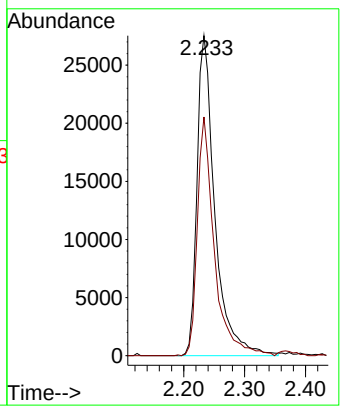




#13
Acrolein
Concen: 272.848 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 56 Resp: 5583

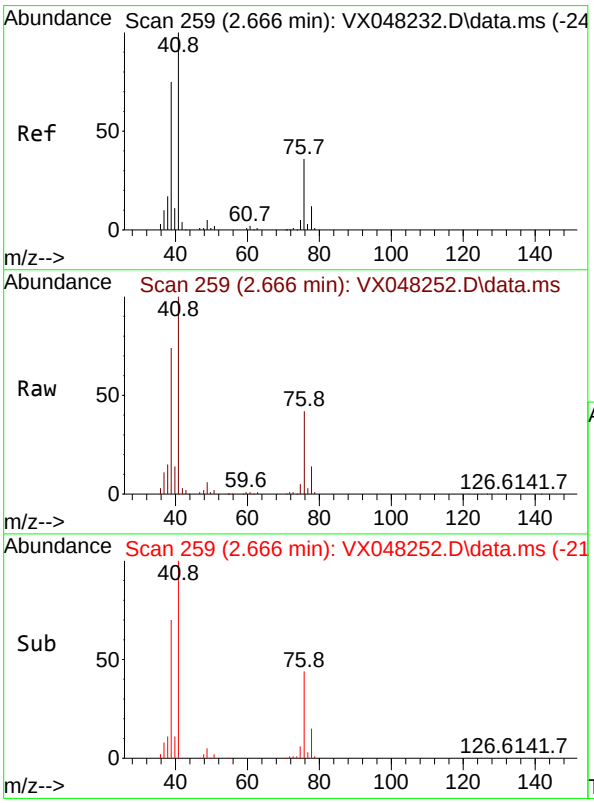
Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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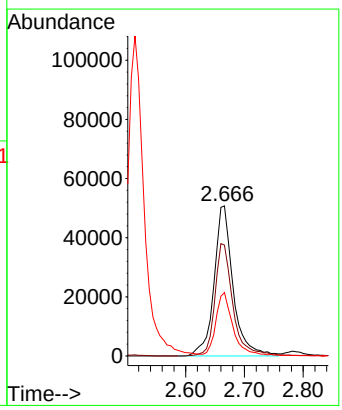
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

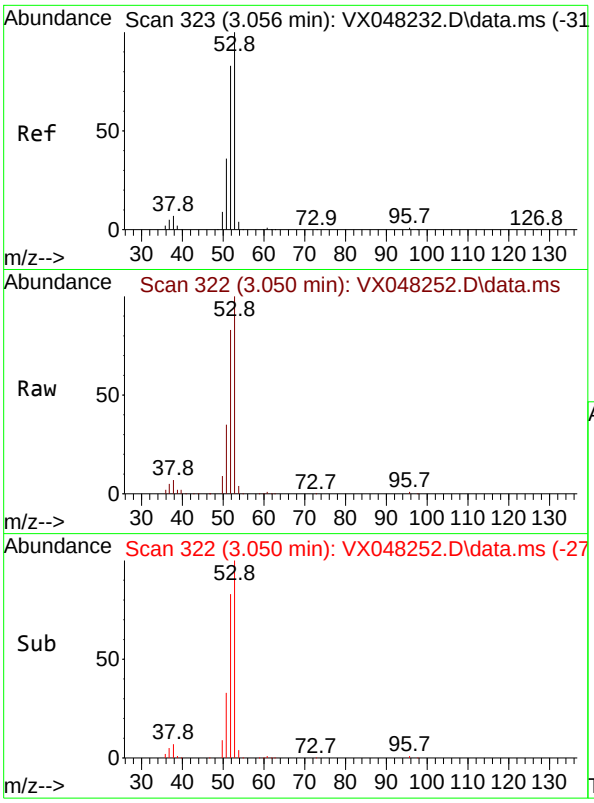


#14
Allyl chloride
Concen: 45.594 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 41 Resp: 114538

Ion	Ratio	Lower	Upper
41	100		
39	71.0	56.0	84.0
76	38.7	27.5	41.3

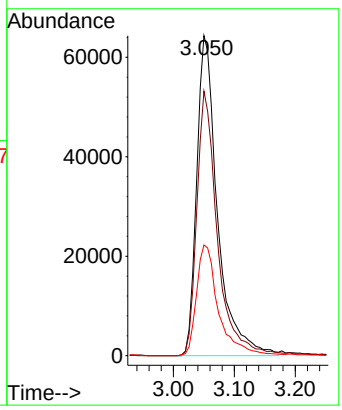




#15
Acrylonitrile
Concen: 211.101 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 53 Resp: 15272

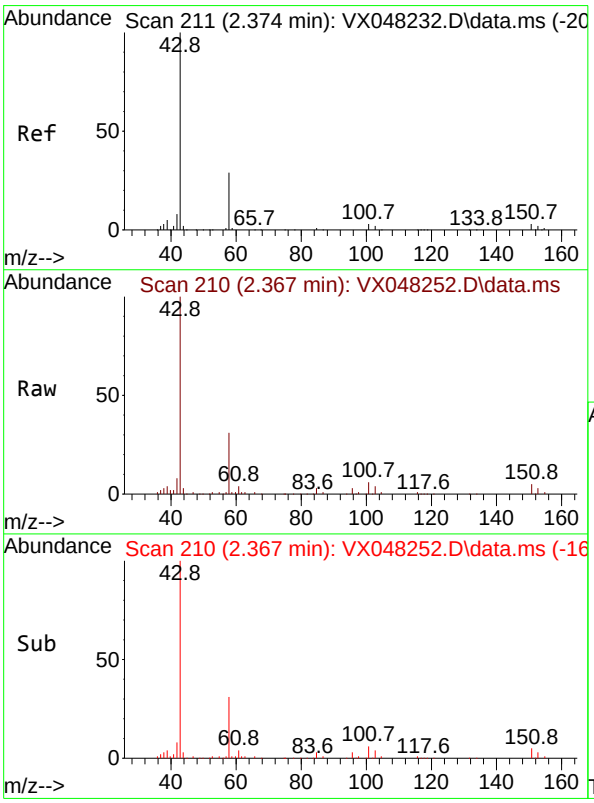
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.1	99.1
51	36.7	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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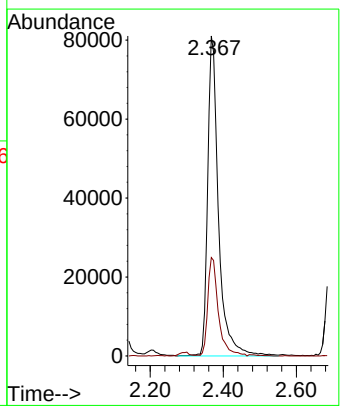
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

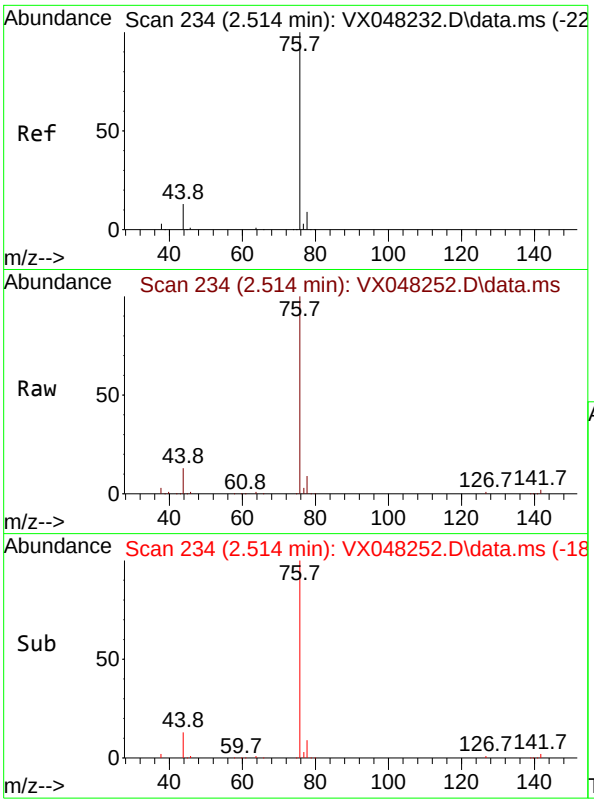


#16
Acetone
Concen: 239.598 ug/l
RT: 2.367 min Scan# 210
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 43 Resp: 166093

Ion	Ratio	Lower	Upper
43	100		
58	32.1	23.4	35.2





#17
Carbon Disulfide
Concen: 43.489 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

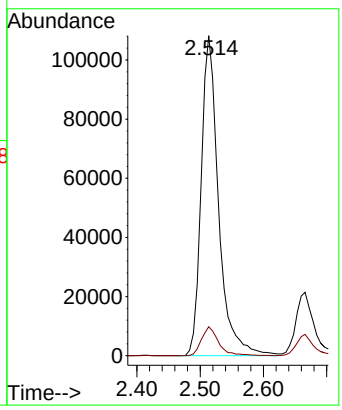
Tgt Ion: 76 Resp: 20738

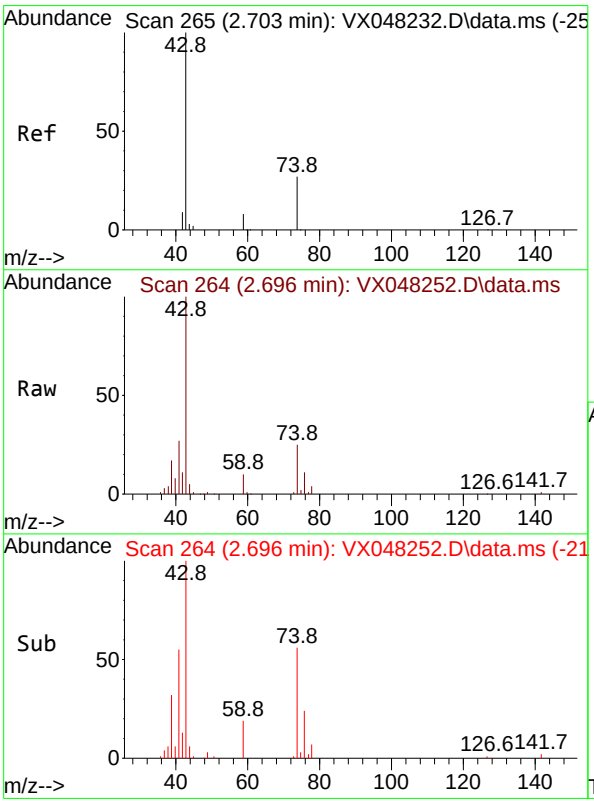
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

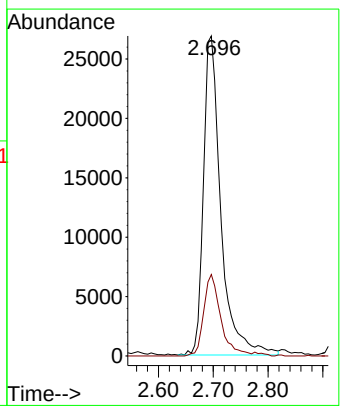


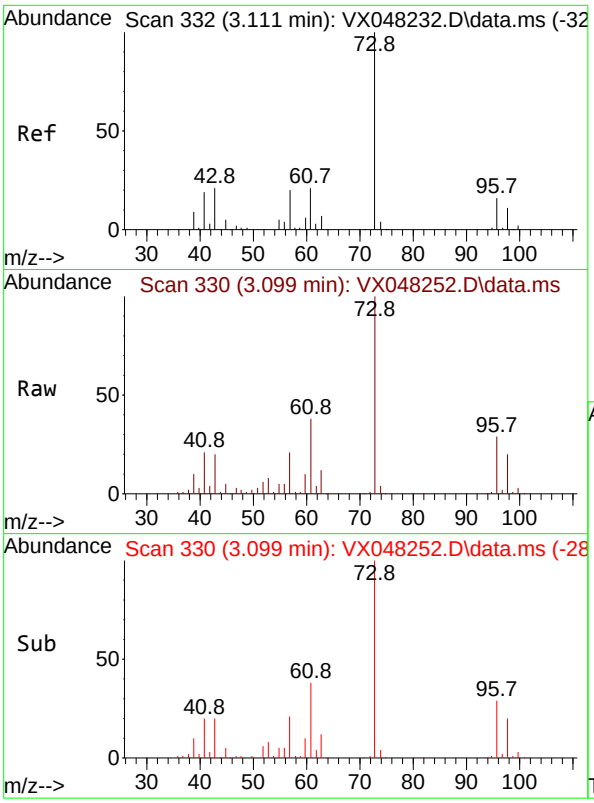


#18
Methyl Acetate
Concen: 40.924 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 43 Resp: 59246

Ion	Ratio	Lower	Upper
43	100		
74	24.9	17.5	26.3





#19
Methyl tert-butyl Ether
Concen: 44.001 ug/l
RT: 3.099 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

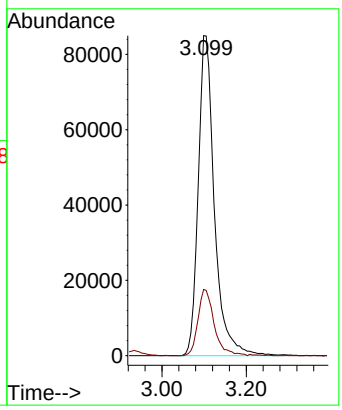
Tgt Ion: 73 Resp: 22712

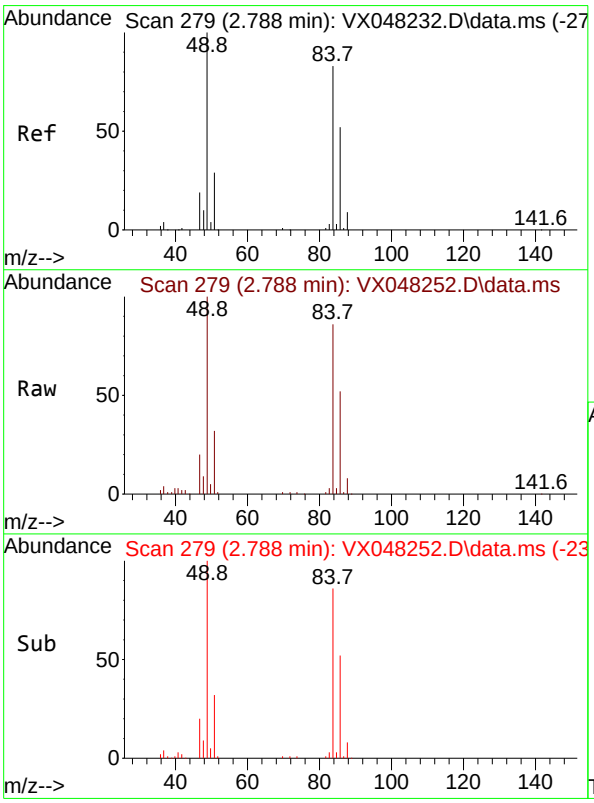
Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

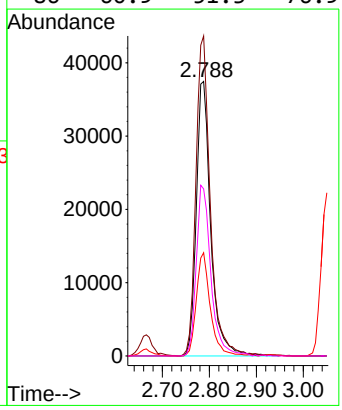


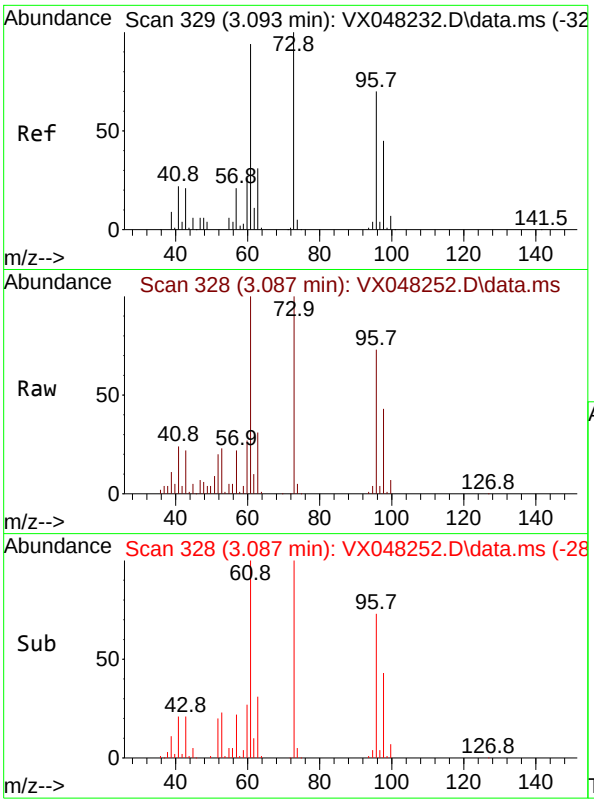


#20
Methylene Chloride
Concen: 47.460 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 84 Resp: 80164

Ion	Ratio	Lower	Upper
84	100		
49	116.6	104.1	156.1
51	37.6	31.3	46.9
86	60.9	51.3	76.9





#21
trans-1,2-Dichloroethene
Concen: 46.681 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

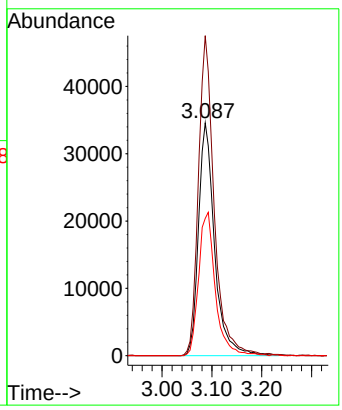
Tgt Ion: 96 Resp: 7758

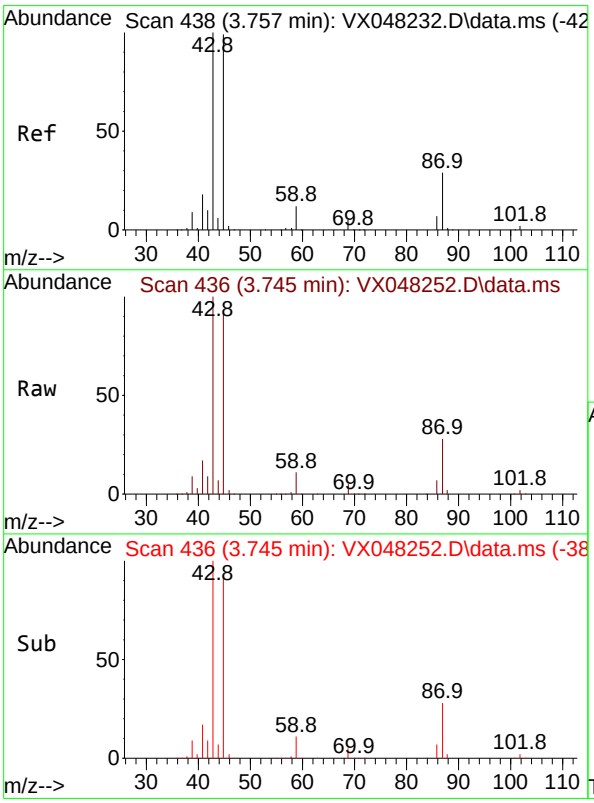
Ion	Ratio	Lower	Upper
96	100		
61	137.4	111.9	167.9
98	59.0	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

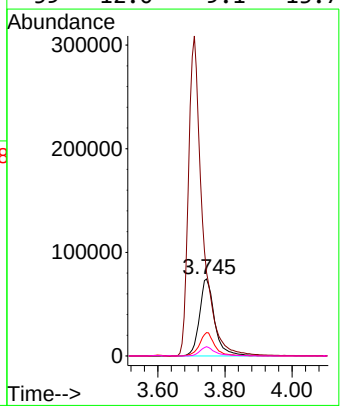


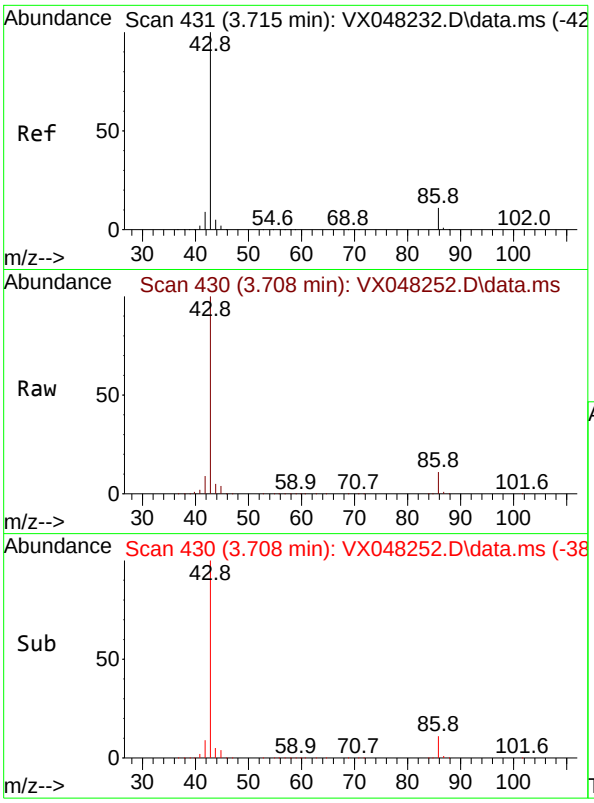


#22
Diisopropyl ether
Concen: 46.439 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 45 Resp: 232684

Ion	Ratio	Lower	Upper
45	100		
43	107.9	89.8	134.8
87	30.2	20.6	31.0
59	12.0	9.1	13.7





#23
Vinyl Acetate
Concen: 226.065 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

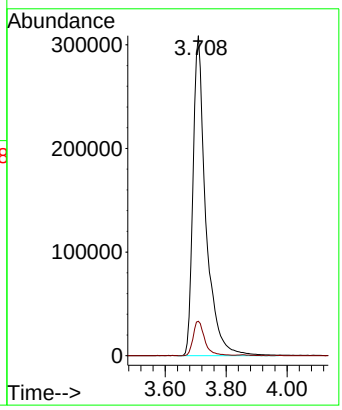
Tgt Ion: 43 Resp: 90480

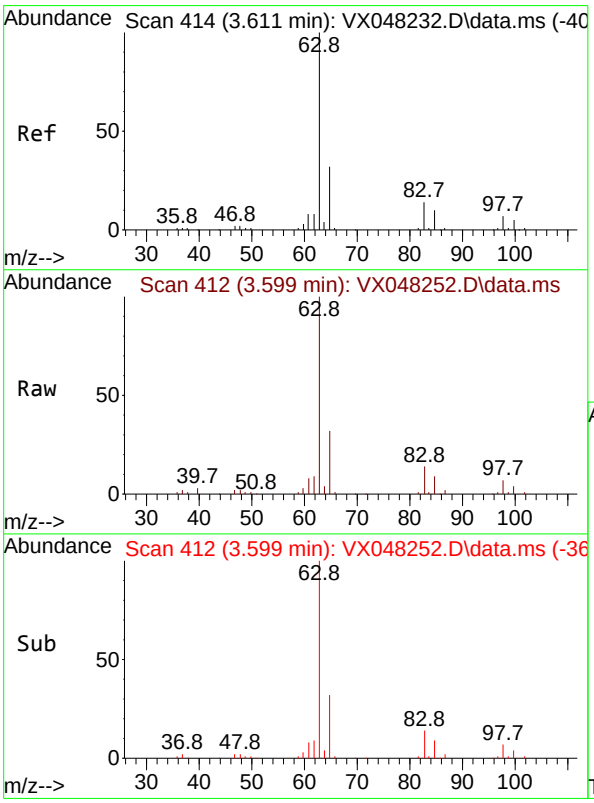
Ion	Ratio	Lower	Upper
43	100		
86	10.7	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

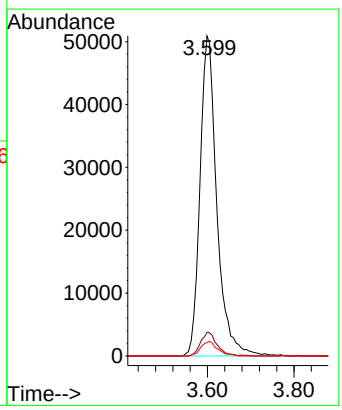


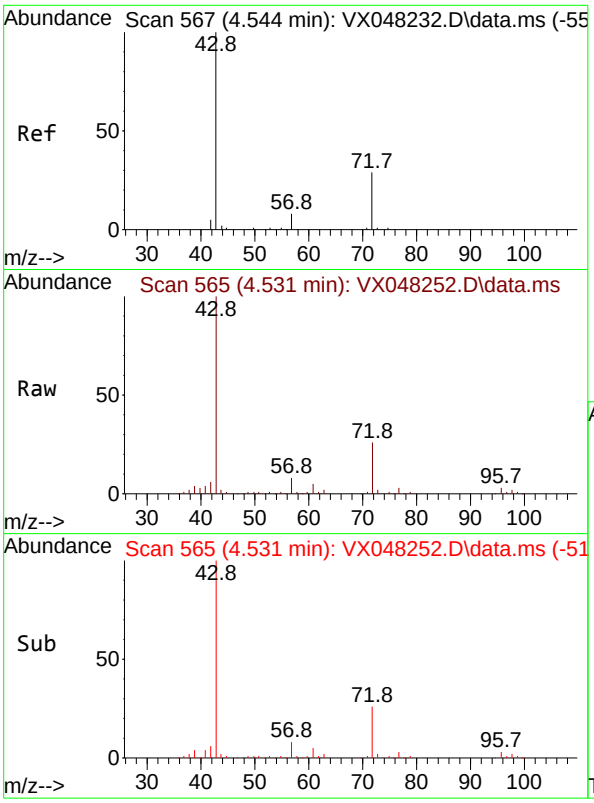


#24
1,1-Dichloroethane
Concen: 45.296 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 63 Resp: 137234

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	4.2	2.1	6.3





#25
2-Butanone
Concen: 213.793 ug/l
RT: 4.531 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

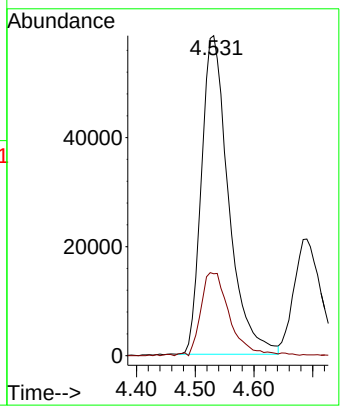
Tgt Ion: 43 Resp: 18758

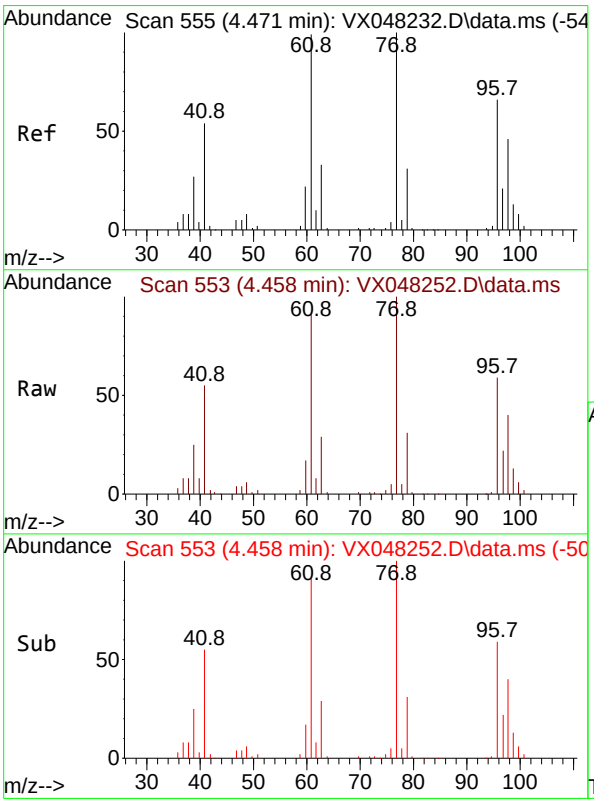
Ion	Ratio	Lower	Upper
43	100		
72	24.7	19.9	29.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

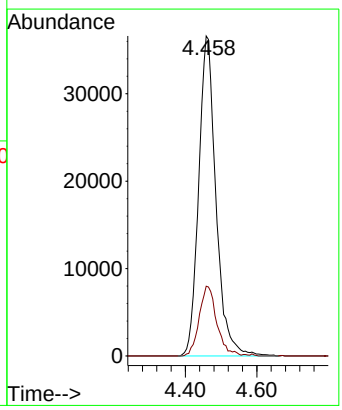


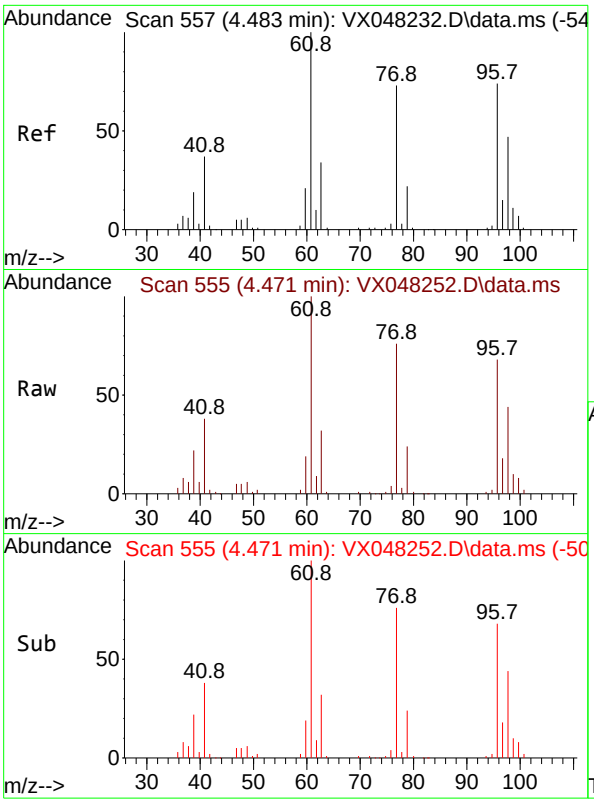


#26
2,2-Dichloropropane
Concen: 44.950 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 77 Resp: 122921

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.1	33.3

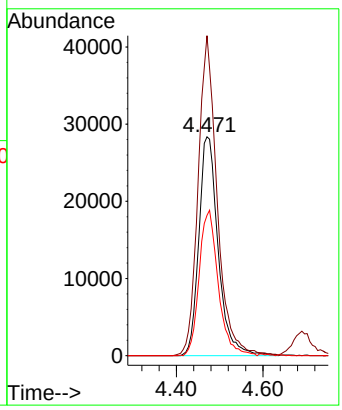




#27
cis-1,2-Dichloroethene
Concen: 45.309 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 96 Resp: 8788

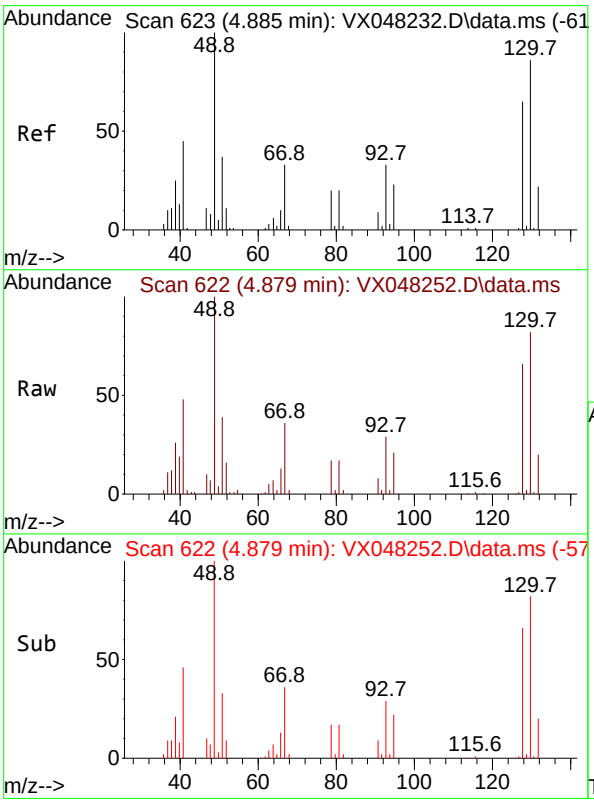
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	294.2
98	65.5	0.0	128.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

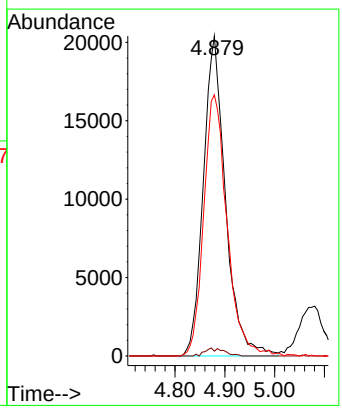
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

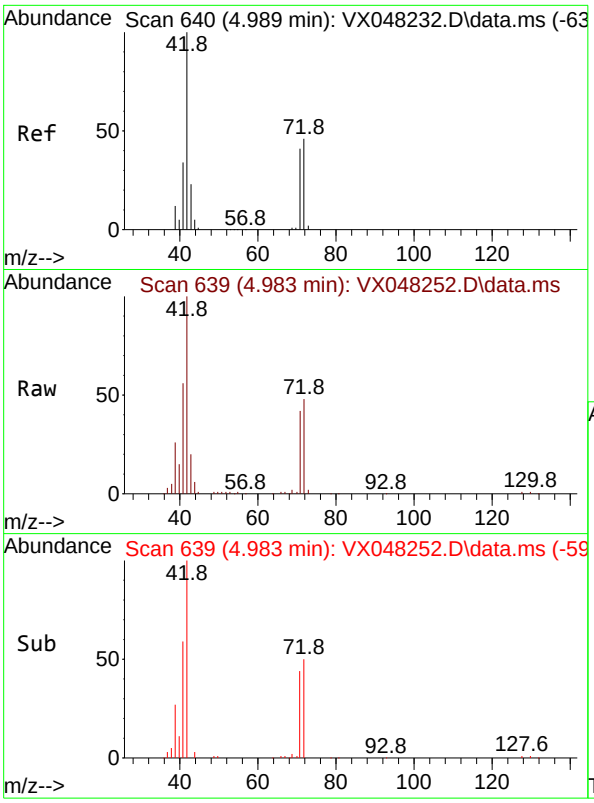


#28
Bromochloromethane
Concen: 49.917 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 49 Resp: 62707

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.4
130	86.4	59.3	88.9





#29
Tetrahydrofuran
Concen: 190.379 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

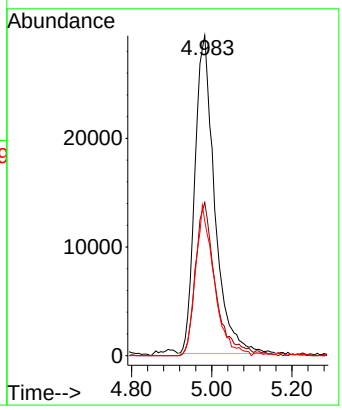
Tgt Ion: 42 Resp: 10004

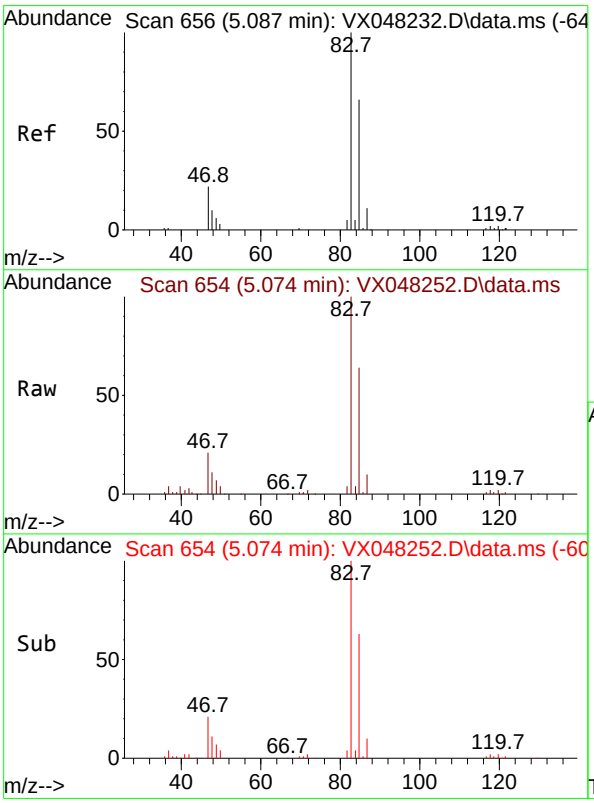
Ion	Ratio	Lower	Upper
42	100		
72	48.5	35.3	52.9
71	44.9	32.2	48.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

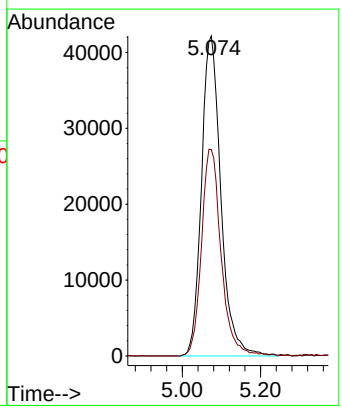


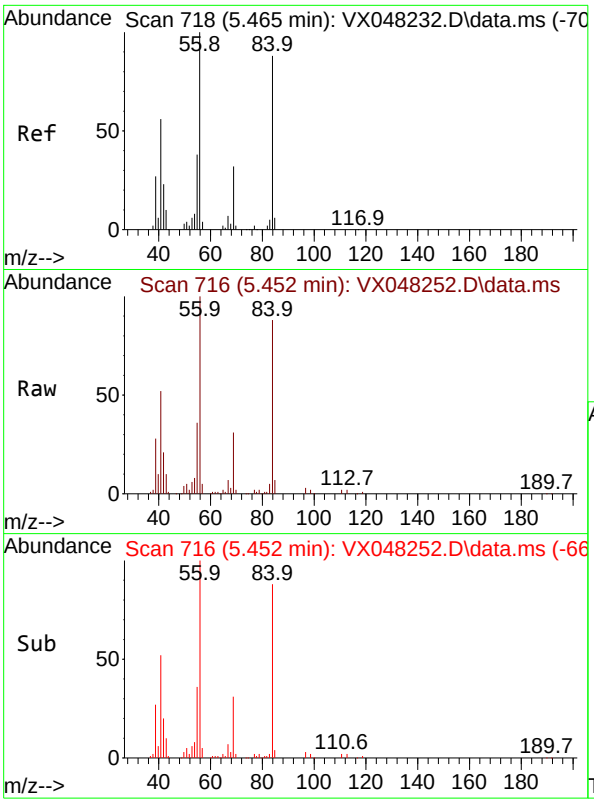


#30
Chloroform
Concen: 44.807 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 83 Resp: 145033

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.1	75.1

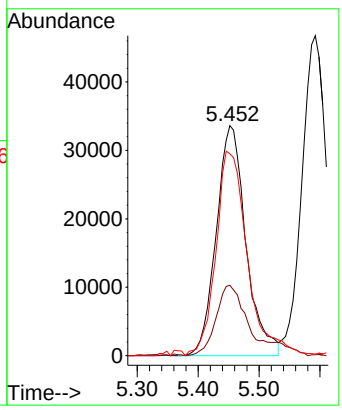




#31
Cyclohexane
Concen: 45.286 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 56 Resp: 11359

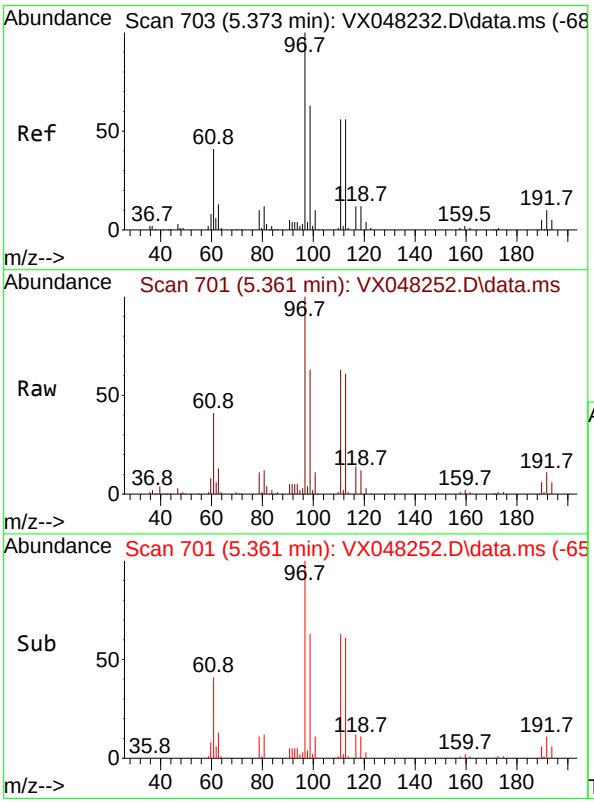
Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.0	34.6
84	85.6	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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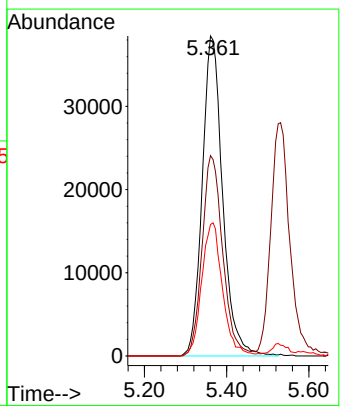
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

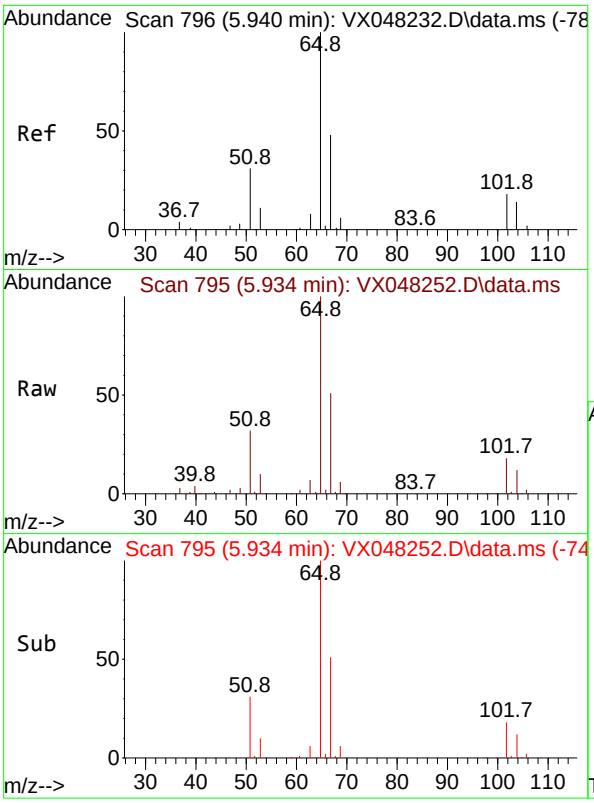


#32
1,1,1-Trichloroethane
Concen: 44.462 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 97 Resp: 132637

Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.7	77.5
61	42.3	34.8	52.2

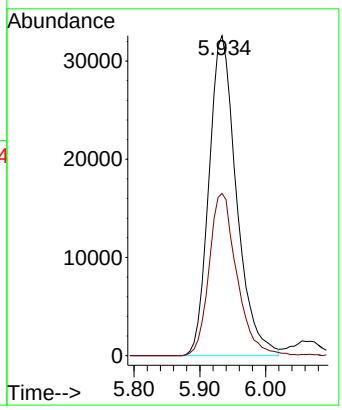




#33
1,2-Dichloroethane-d4
Concen: 46.938 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 65 Resp: 9484

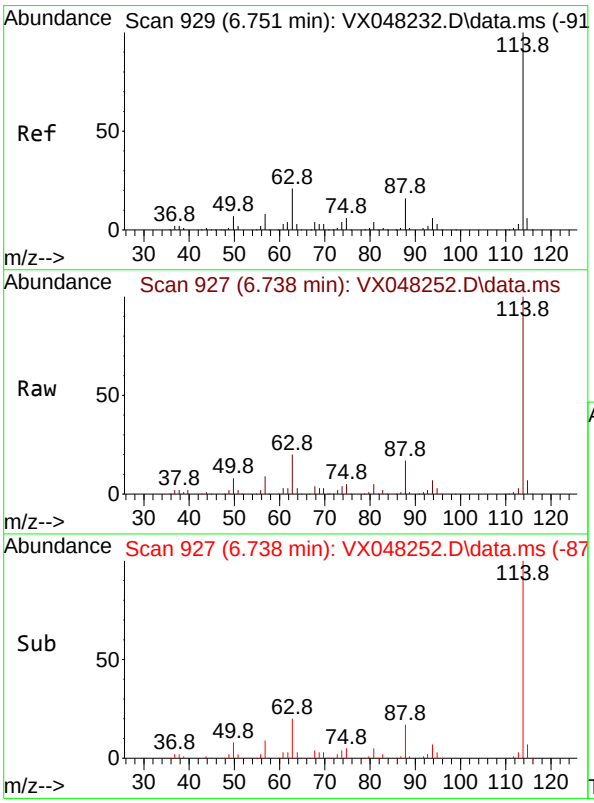
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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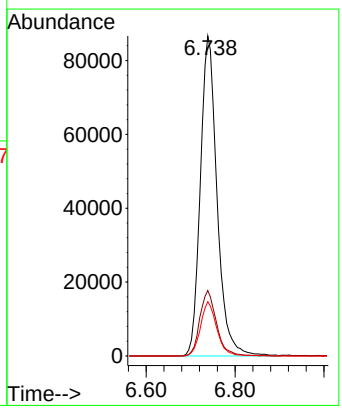
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

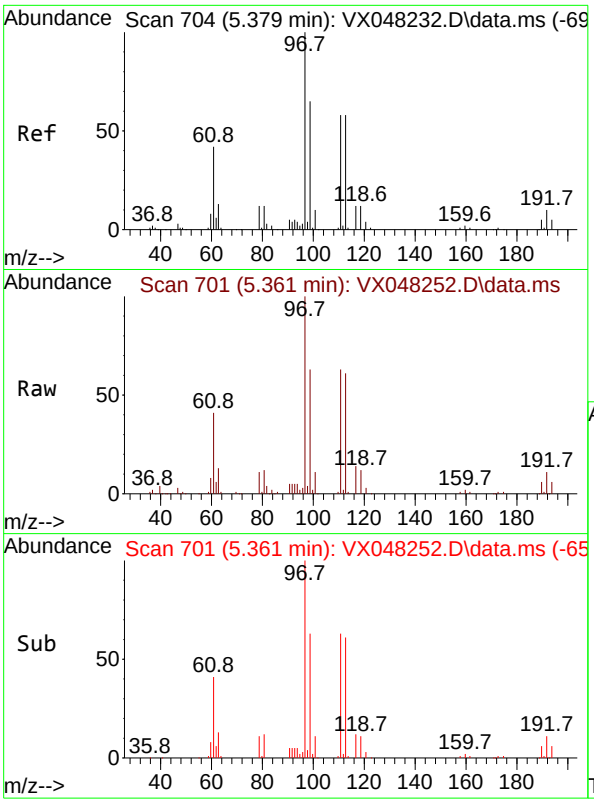


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.007 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:114 Resp: 227103

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	43.2
88	16.9	0.0	33.6

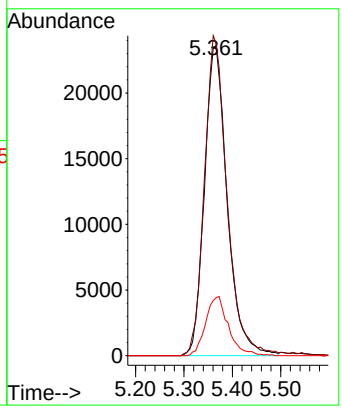




#35
Dibromofluoromethane
Concen: 49.844 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:113 Resp: 7727

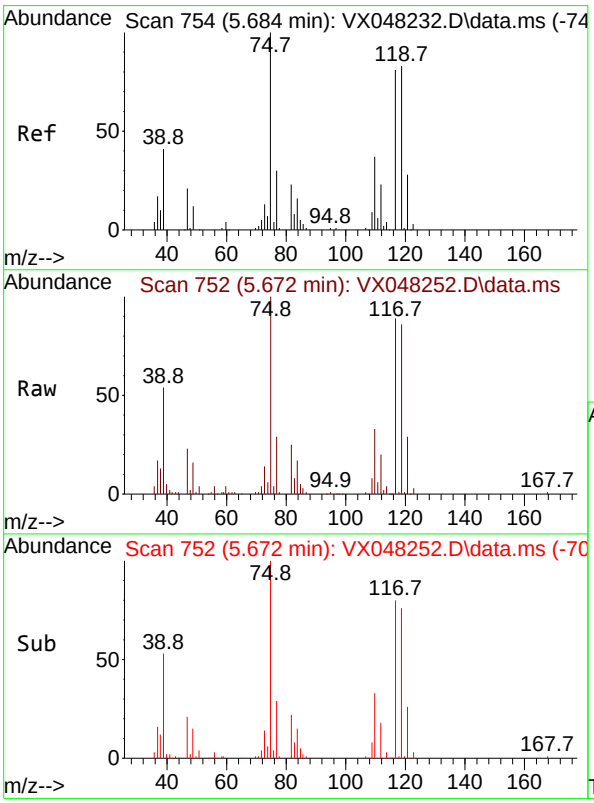
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	19.1	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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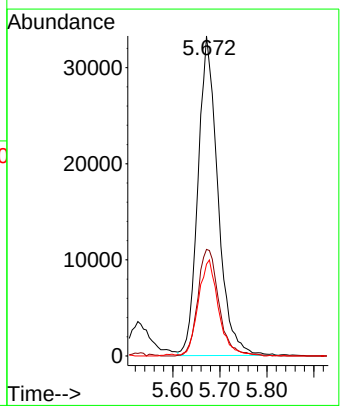
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

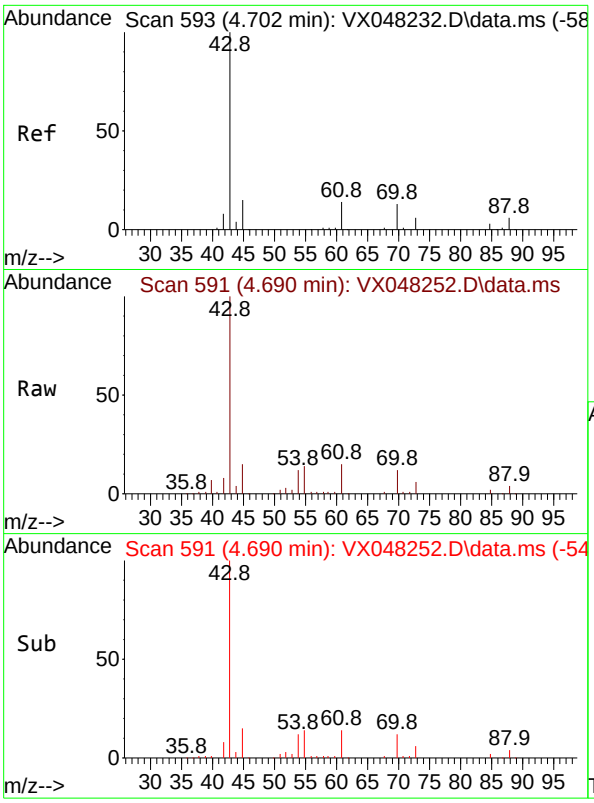


#36
1,1-Dichloropropene
Concen: 44.412 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 97868

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.7	53.1
77	30.8	24.3	36.5





#37
Ethyl Acetate
Concen: 40.418 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

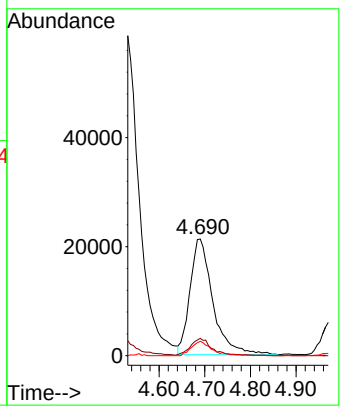
Tgt Ion: 43 Resp: 7382

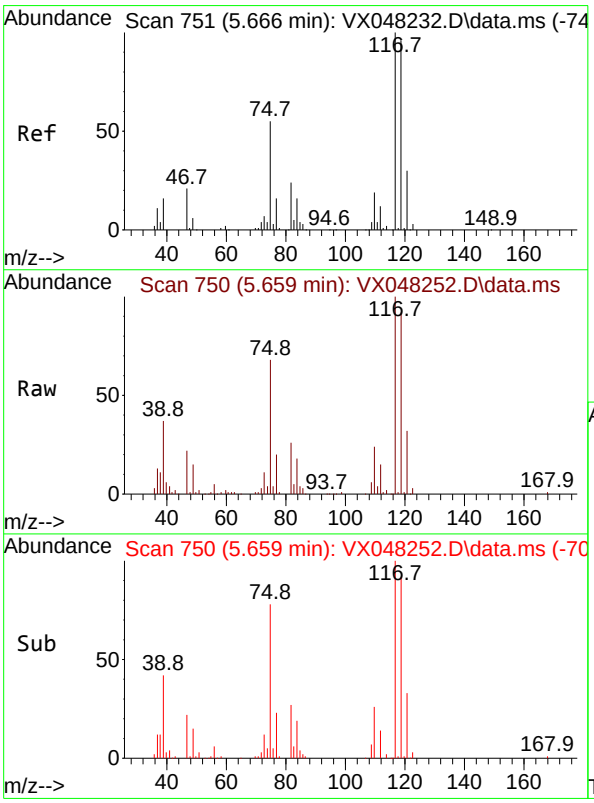
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	11.1	7.8	11.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

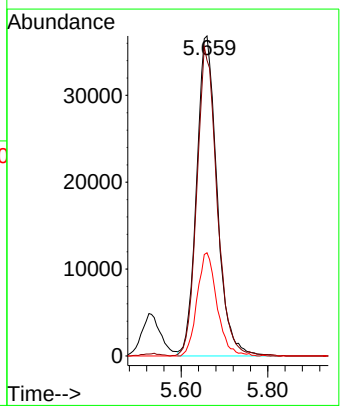


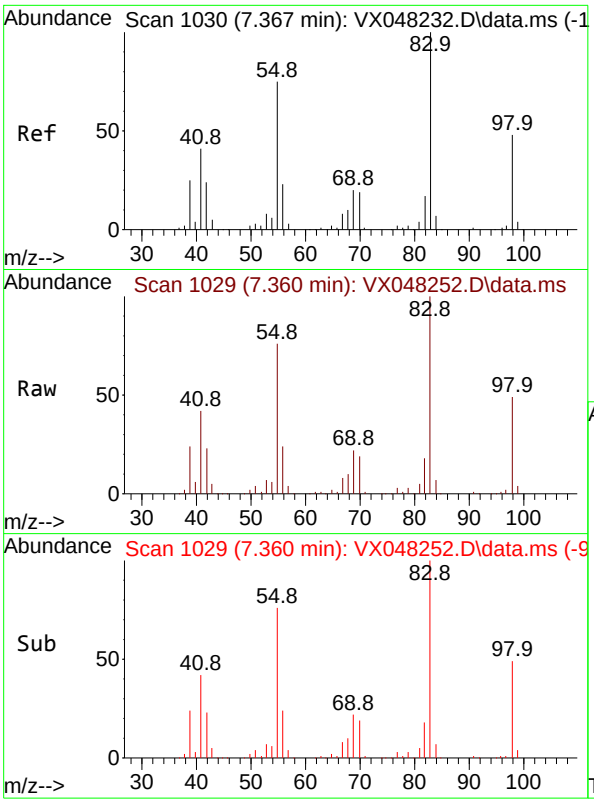


#38
Carbon Tetrachloride
Concen: 44.491 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:117 Resp: 120960

Ion	Ratio	Lower	Upper
117	100		
119	92.4	77.2	115.8
121	32.2	24.8	37.2

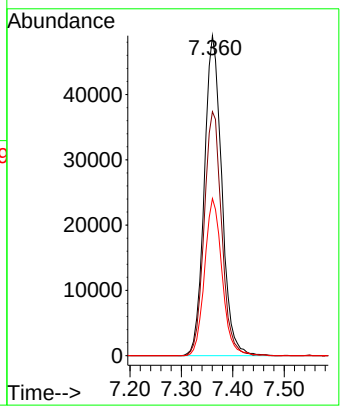




#39
Methylcyclohexane
Concen: 44.497 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 83 Resp: 11580

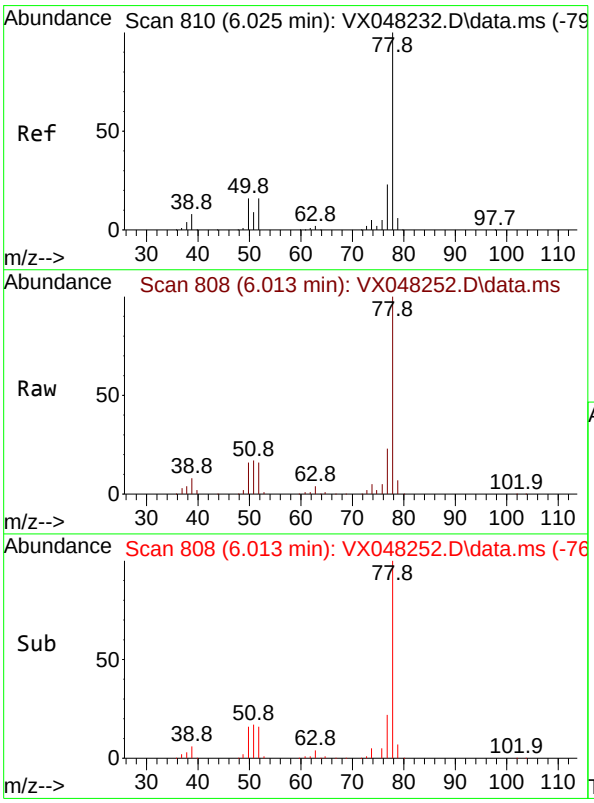
Ion	Ratio	Lower	Upper
83	100		
55	76.3	66.2	99.2
98	49.1	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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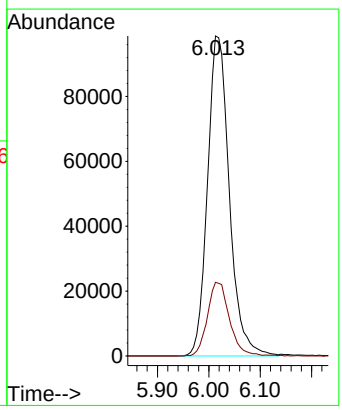
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

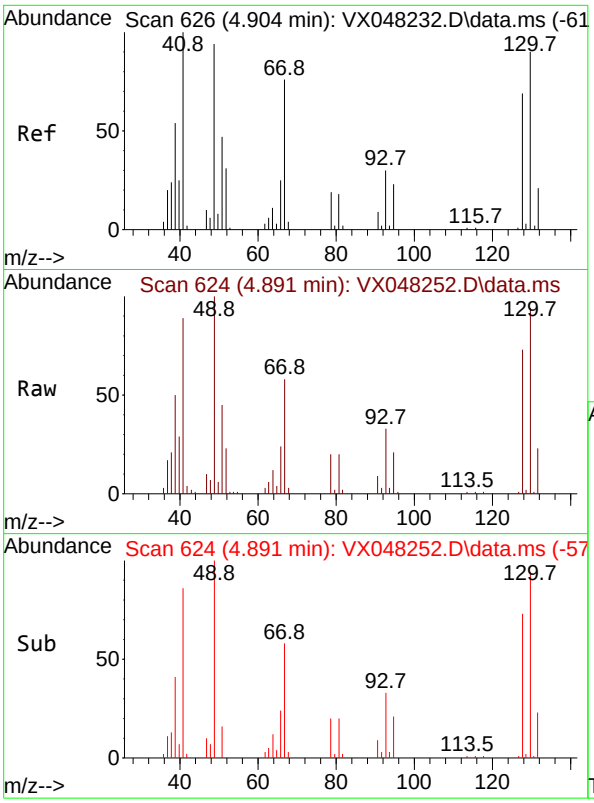


#40
Benzene
Concen: 45.424 ug/l
RT: 6.013 min Scan# 808
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 78 Resp: 290616

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.3	28.9

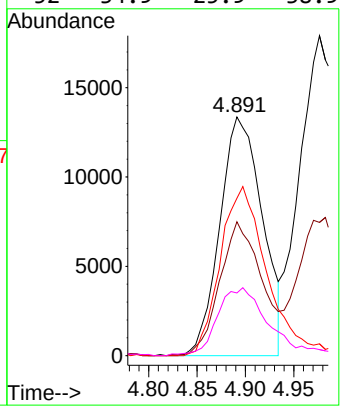




#41
Methacrylonitrile
Concen: 42.707 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 41 Resp: 4096

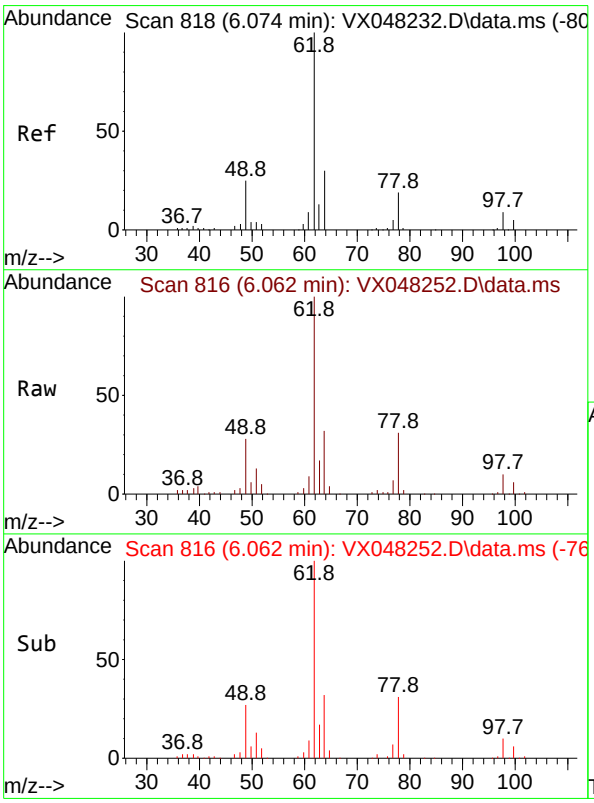
Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.0	66.0
67	78.2	58.7	88.1
52	34.9	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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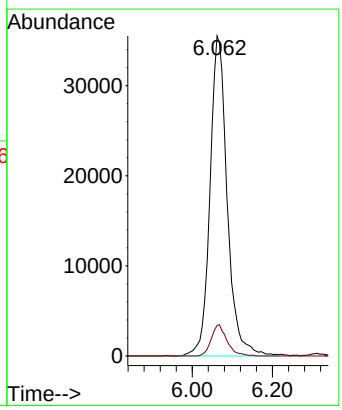
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

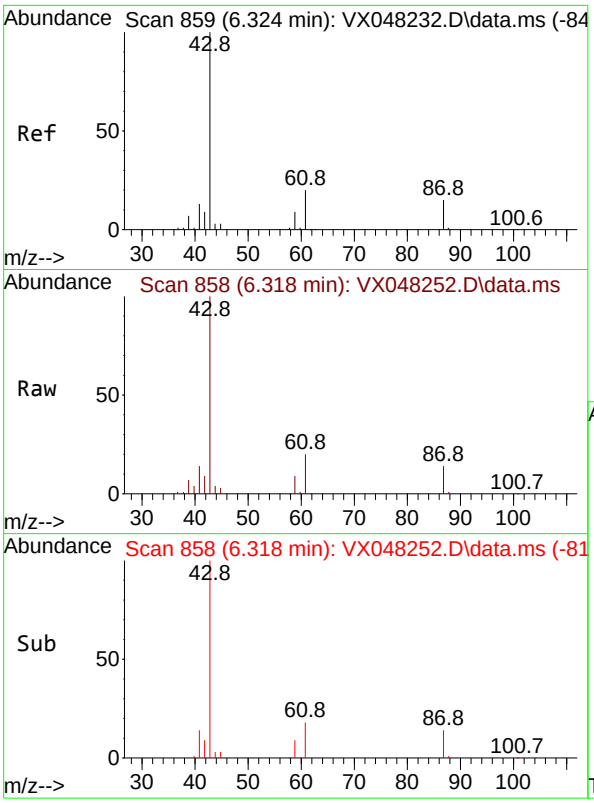


#42
1,2-Dichloroethane
Concen: 44.791 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 62 Resp: 105747

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2





#43
Isopropyl Acetate
Concen: 40.859 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

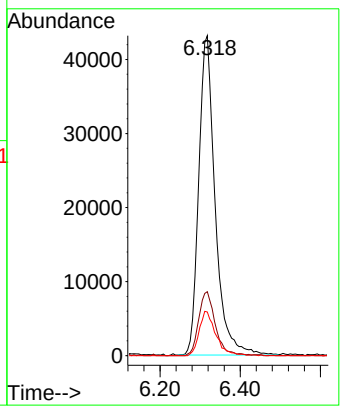
Tgt Ion: 43 Resp: 12258

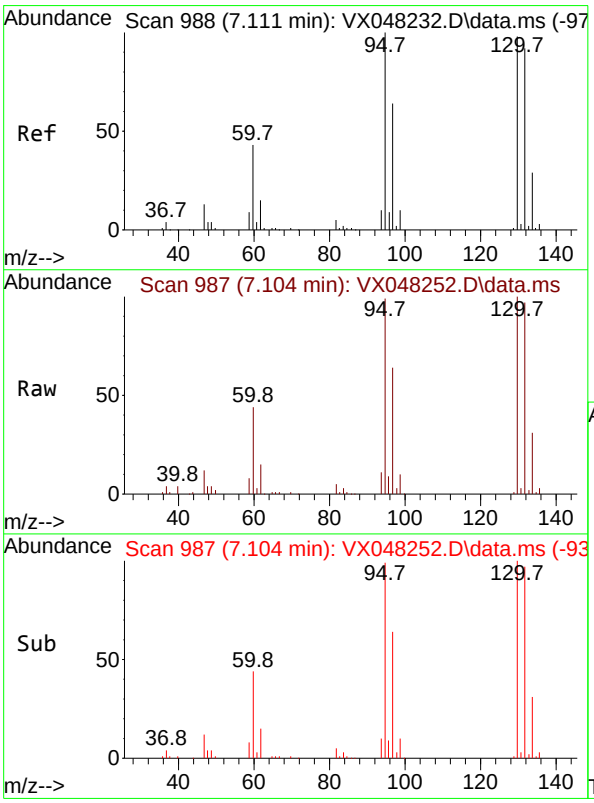
Ion	Ratio	Lower	Upper
43	100		
61	20.4	14.9	22.3
87	14.0	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

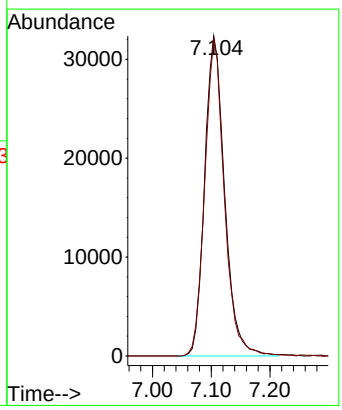


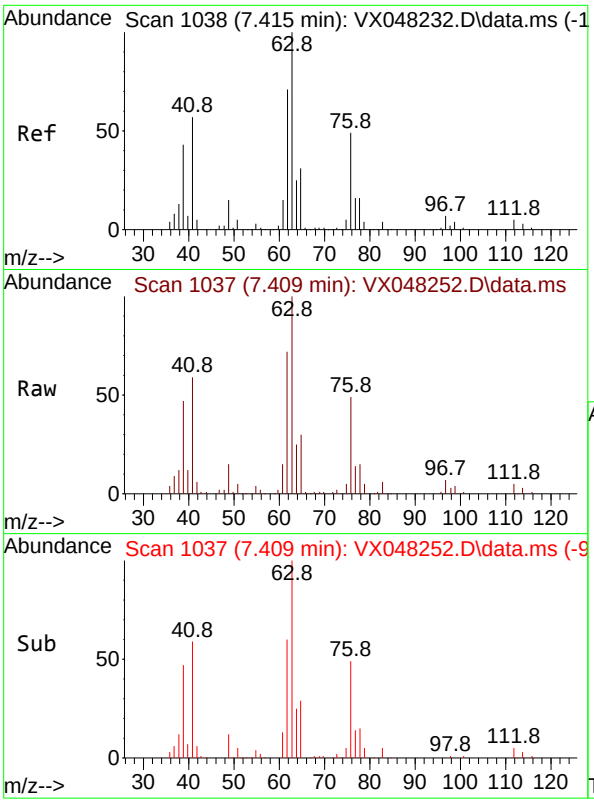


#44
Trichloroethene
Concen: 45.286 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:130 Resp: 76506

Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	200.6





#45
1,2-Dichloropropane
Concen: 45.586 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

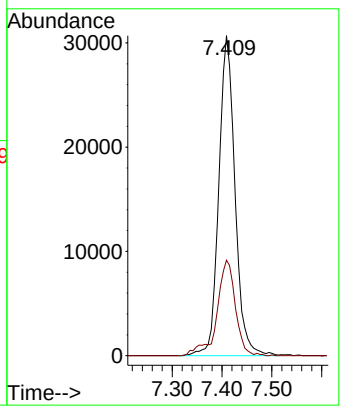
Tgt Ion: 63 Resp: 6934

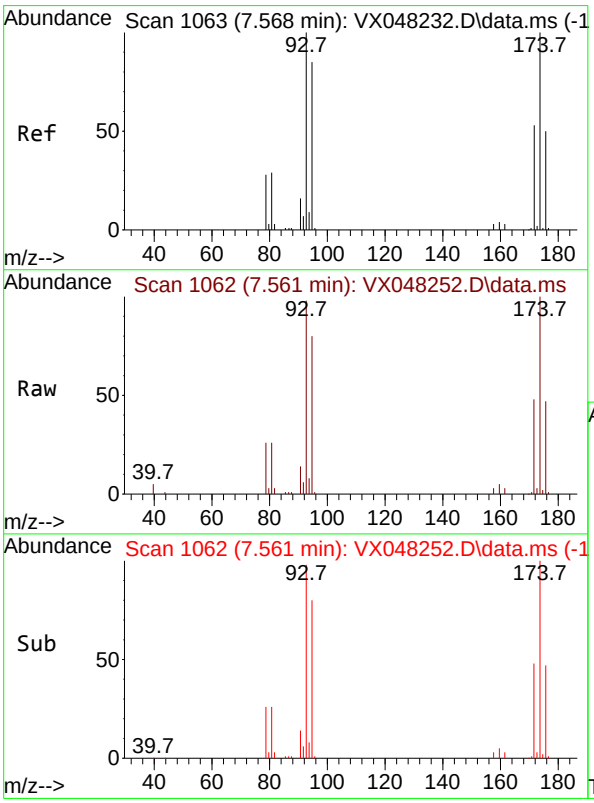
Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

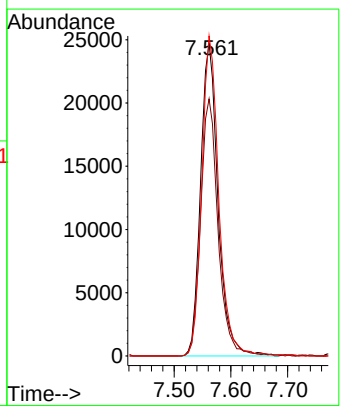


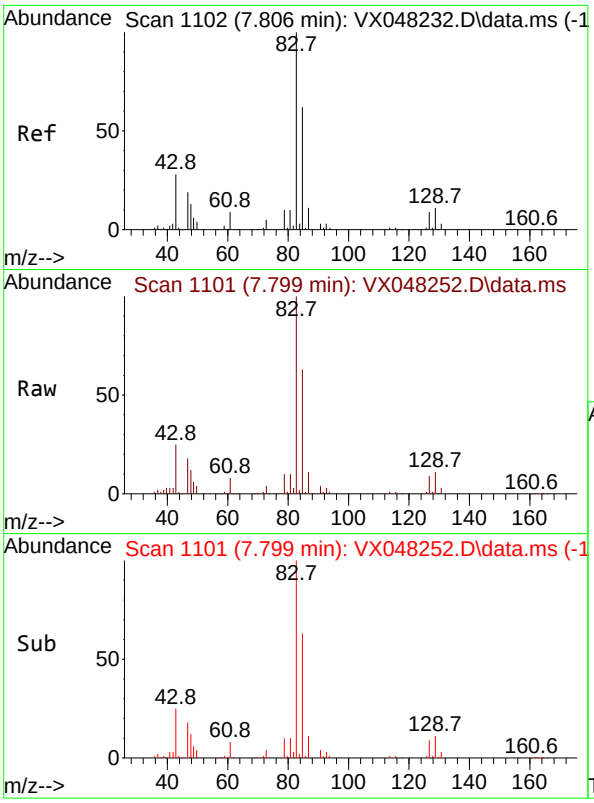


#46
Dibromomethane
Concen: 44.649 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 93 Resp: 52913

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.9	98.9
174	100.1	71.7	107.5





#47
Bromodichloromethane
Concen: 45.265 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

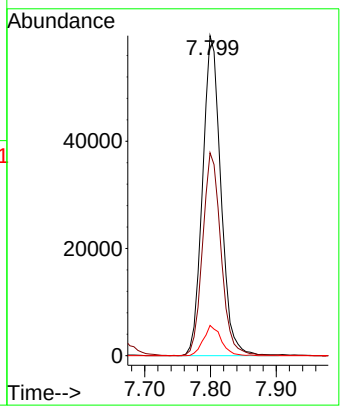
Tgt Ion: 83 Resp: 11582

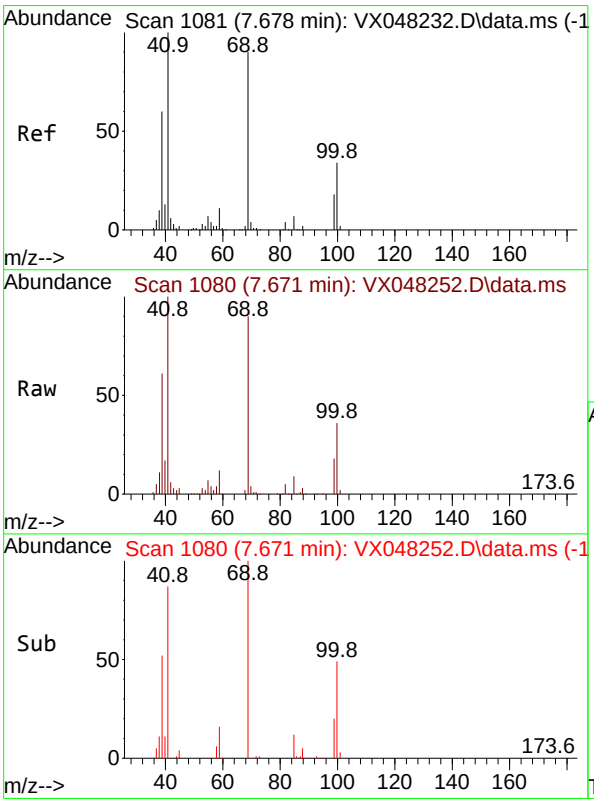
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.4
127	9.4	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

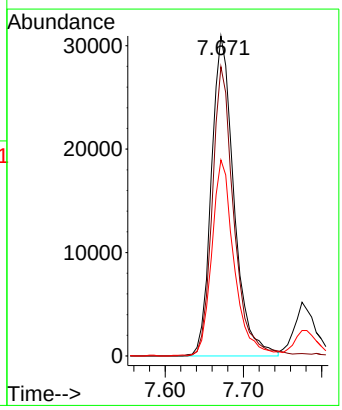


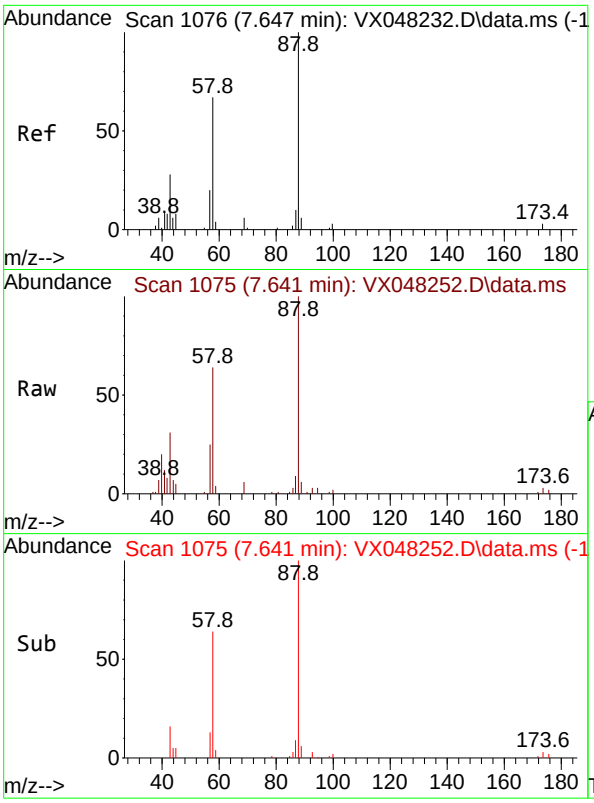


#48
Methyl methacrylate
Concen: 41.000 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 41 Resp: 62073

Ion	Ratio	Lower	Upper
41	100		
69	86.3	63.4	95.0
39	60.7	47.1	70.7





#49
1,4-Dioxane
Concen: 782.834 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

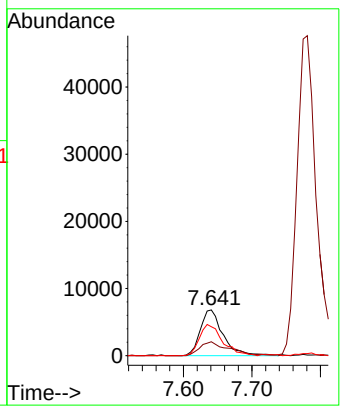
Tgt Ion: 88 Resp: 1565

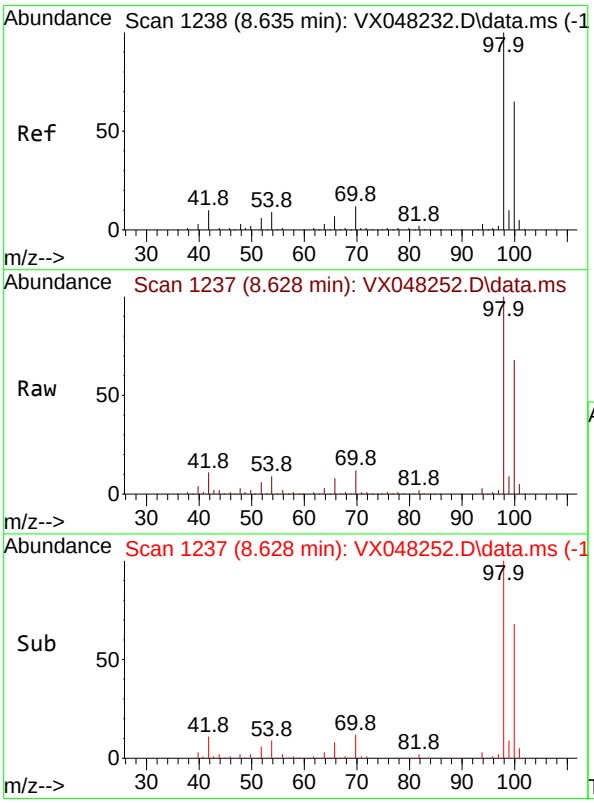
Ion	Ratio	Lower	Upper
88	100		
43	39.9	35.0	52.4
58	69.5	61.9	92.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

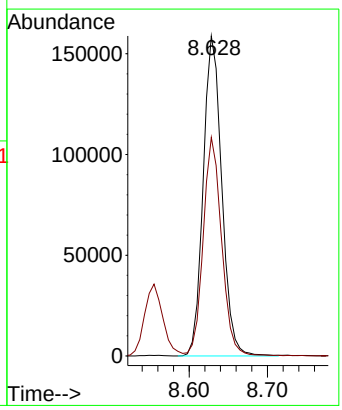


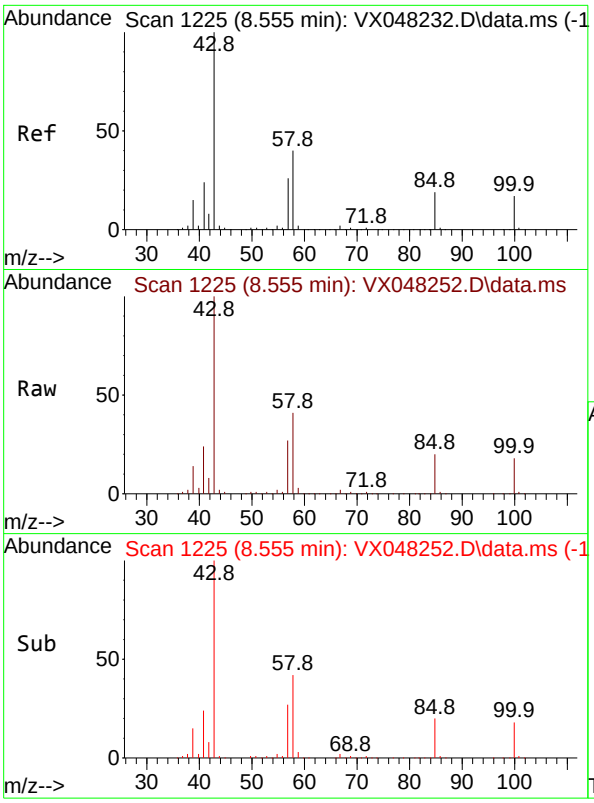


#50
Toluene-d8
Concen: 48.070 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 98 Resp: 261228

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.0	79.4

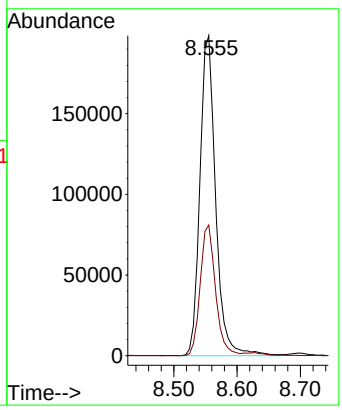




#51
4-Methyl-2-Pentanone
Concen: 198.518 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 43 Resp: 34341

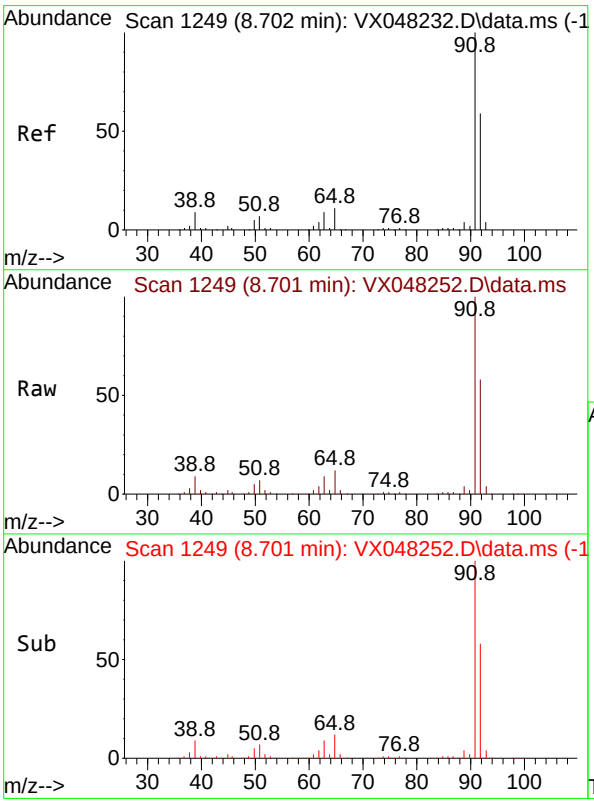
Ion	Ratio	Lower	Upper
43	100		
58	39.7	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

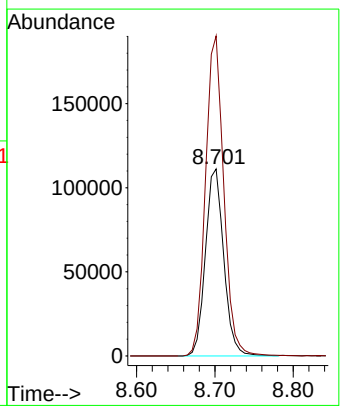
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

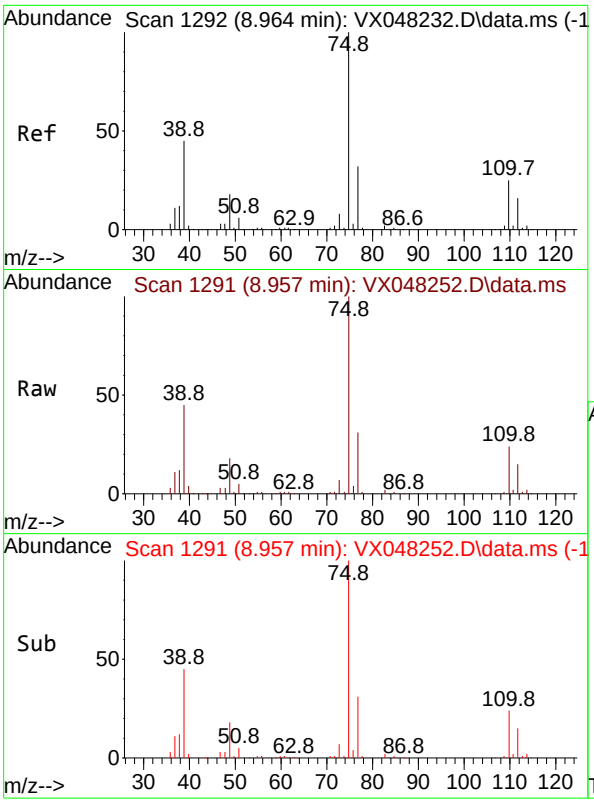


#52
Toluene
Concen: 44.443 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 92 Resp: 180638

Ion	Ratio	Lower	Upper
92	100		
91	170.1	136.1	204.1

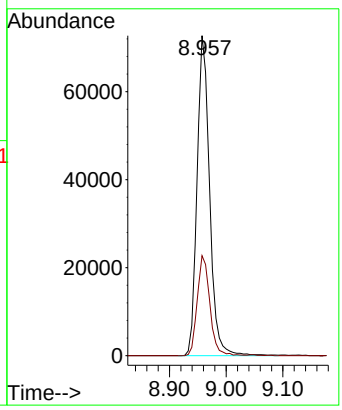




#53
t-1,3-Dichloropropene
Concen: 45.367 ug/l
RT: 8.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 11186

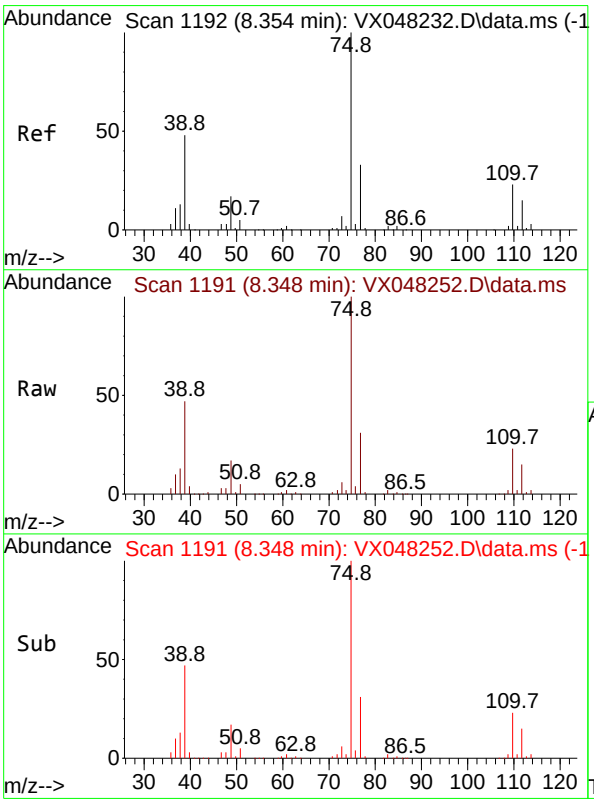
Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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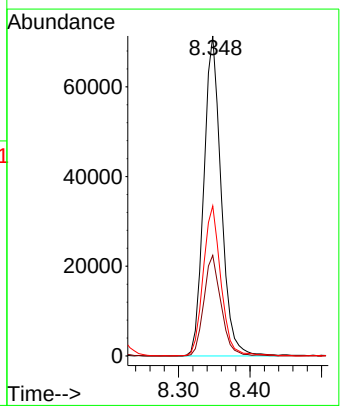
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

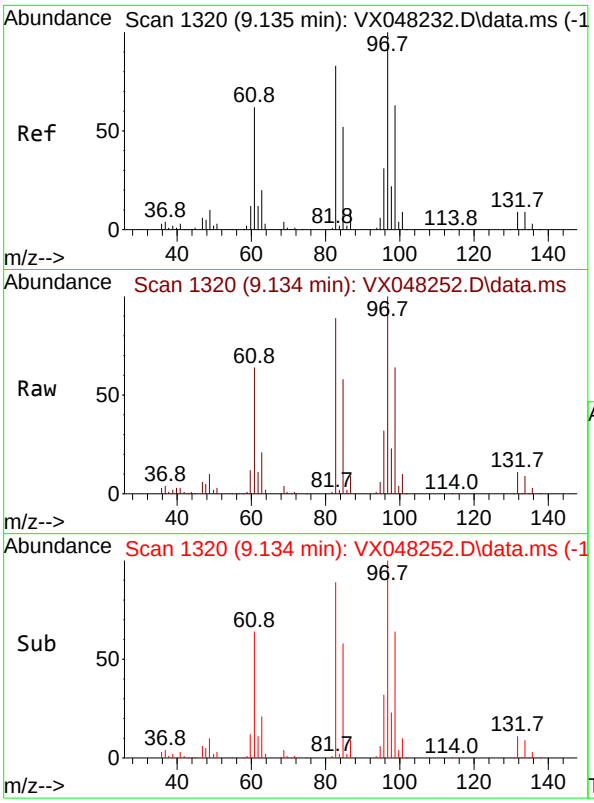


#54
cis-1,3-Dichloropropene
Concen: 45.199 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 120247

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3
39	46.8	42.6	64.0

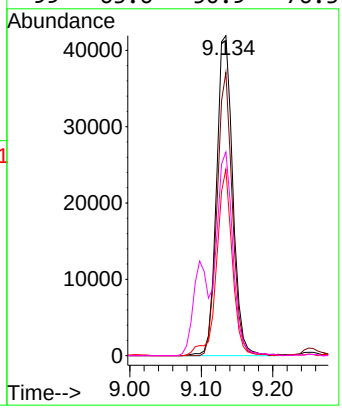




#55
1,1,2-Trichloroethane
Concen: 43.758 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 97 Resp: 6614

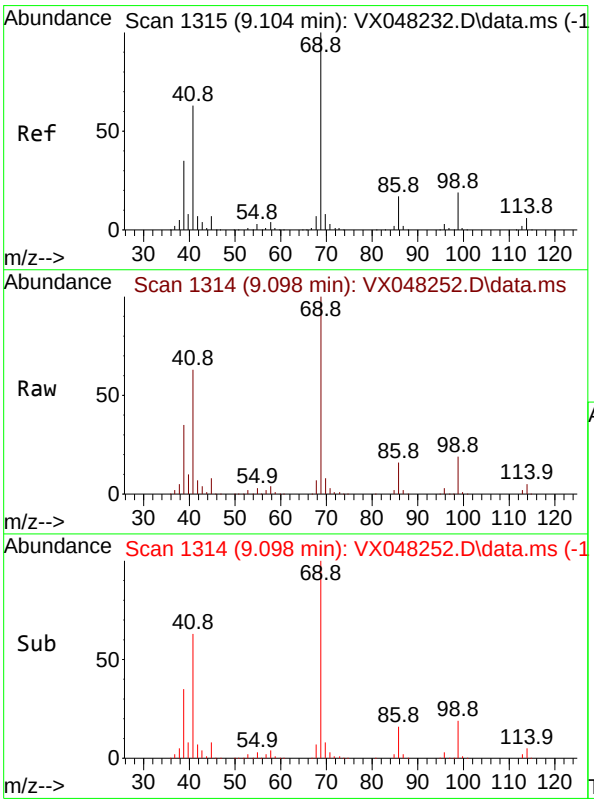
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.6	105.8
85	58.3	45.0	67.6
99	63.6	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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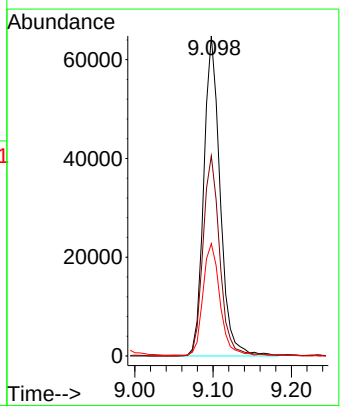
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

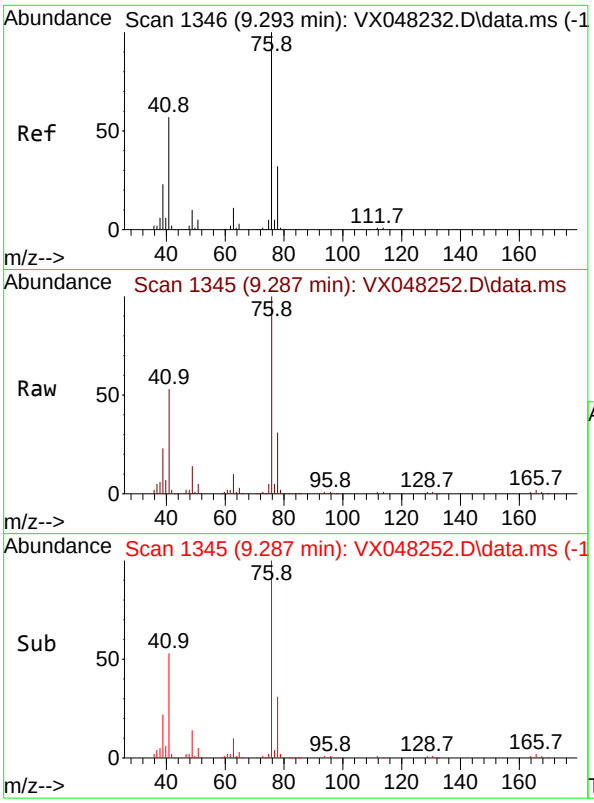


#56
Ethyl methacrylate
Concen: 42.533 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 69 Resp: 94033

Ion	Ratio	Lower	Upper
69	100		
41	64.2	56.0	84.0
39	37.2	31.6	47.4





#57
1,3-Dichloropropane
Concen: 43.726 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

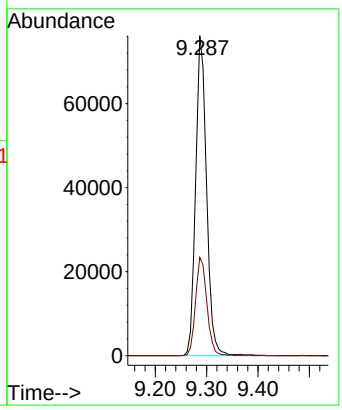
Tgt Ion: 76 Resp: 11289

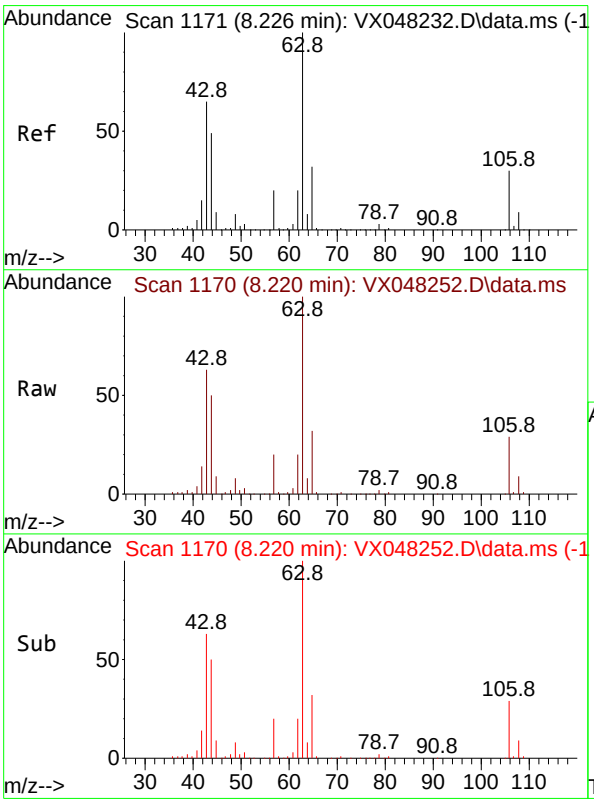
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

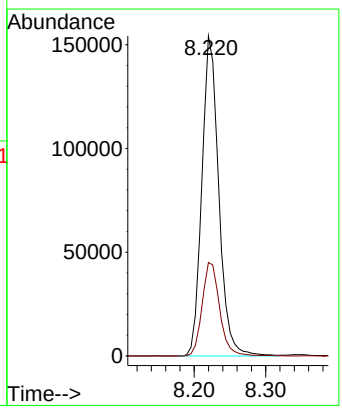


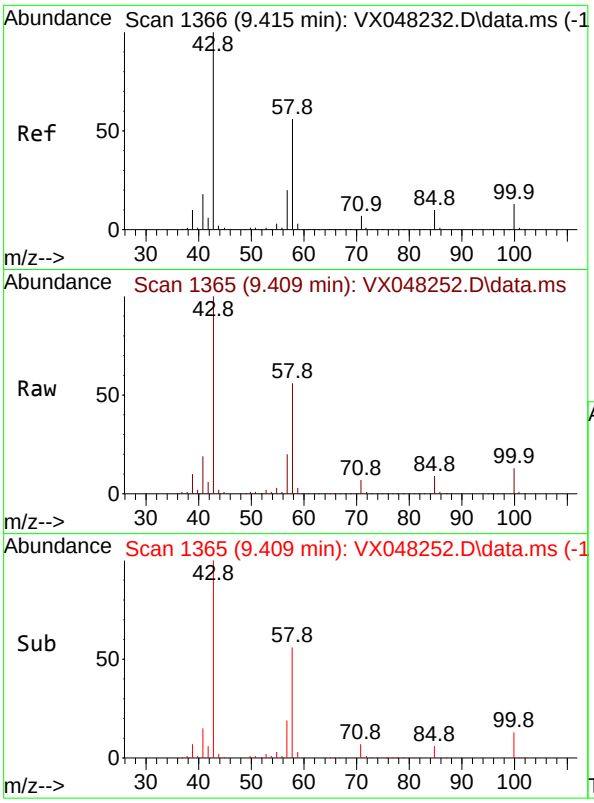


#58
2-Chloroethyl Vinyl ether
Concen: 213.469 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 63 Resp: 253467

Ion	Ratio	Lower	Upper
63	100		
106	30.3	22.2	33.2





#59
2-Hexanone
Concen: 213.881 ug/l
RT: 9.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

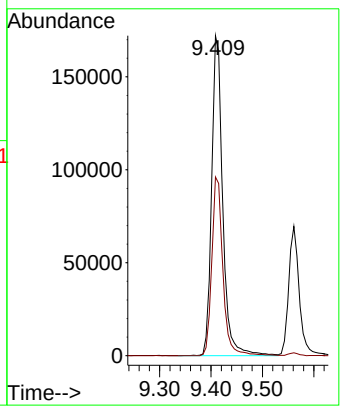
Tgt Ion: 43 Resp: 25798

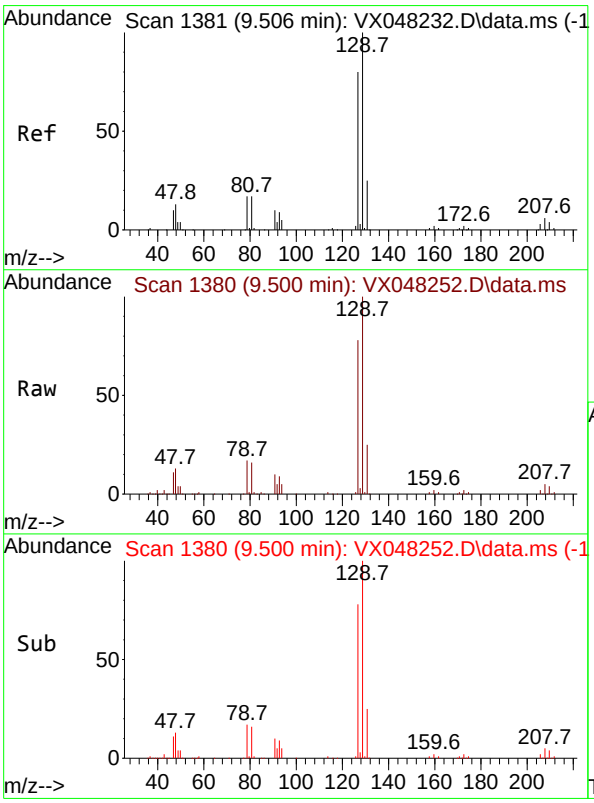
Ion	Ratio	Lower	Upper
43	100		
58	55.8	26.3	78.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

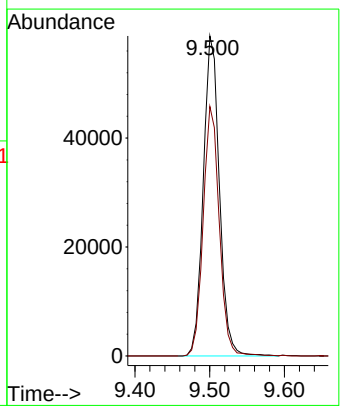


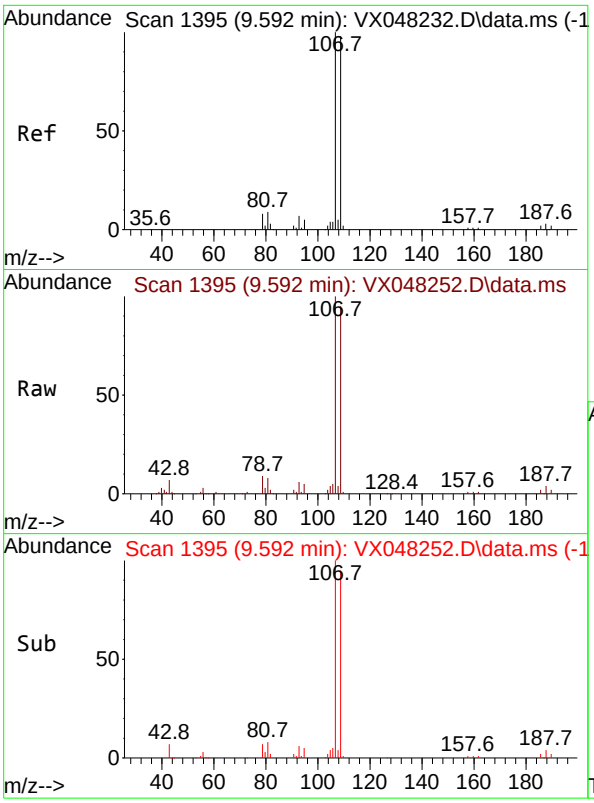


#60
Dibromochloromethane
Concen: 43.319 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:129 Resp: 88005

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	115.7





#61
1,2-Dibromoethane
Concen: 43.228 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

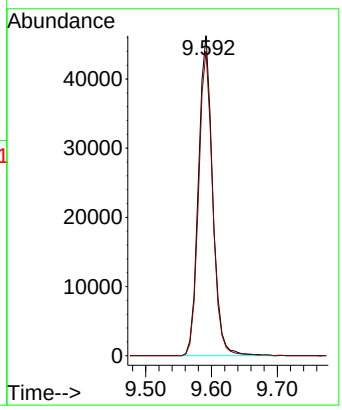
Tgt Ion:107 Resp: 6965

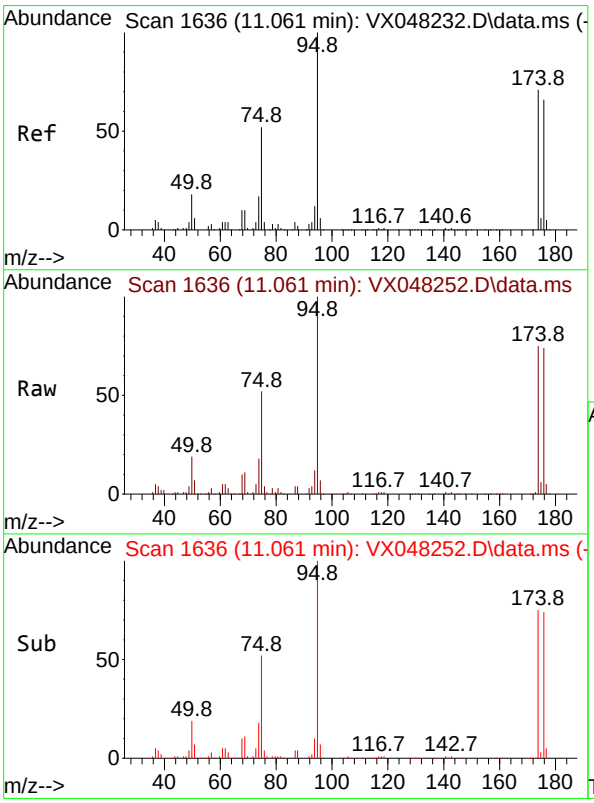
Ion	Ratio	Lower	Upper
107	100		
109	94.0	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

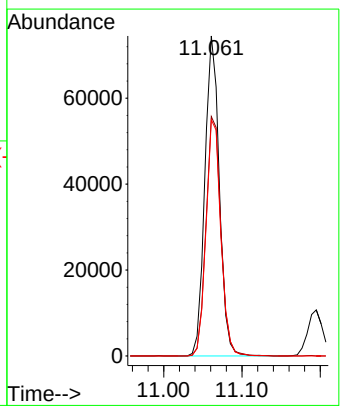


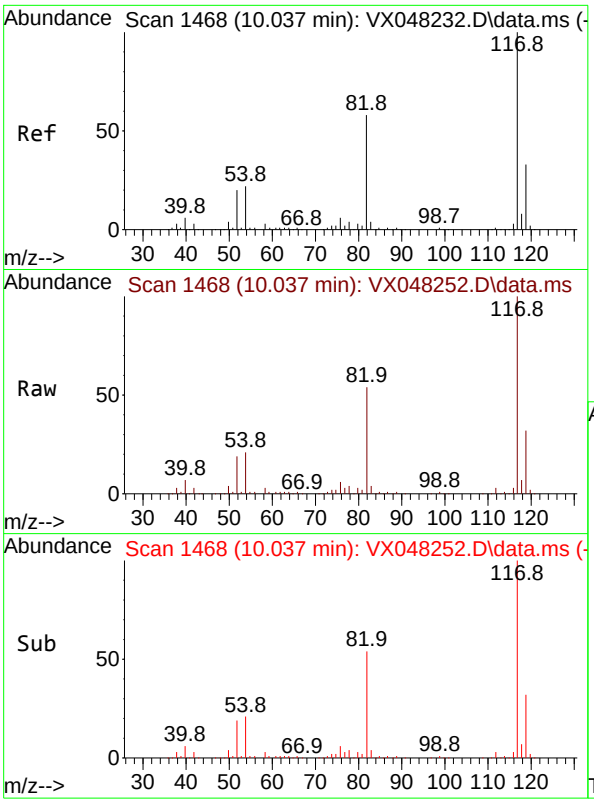


#62
4-Bromofluorobenzene
Concen: 46.072 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 95 Resp: 95248

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	147.8
176	75.3	0.0	142.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

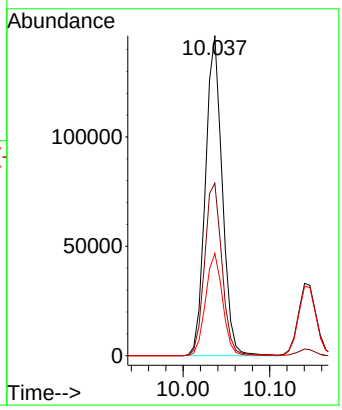
Tgt Ion:117 Resp: 19701

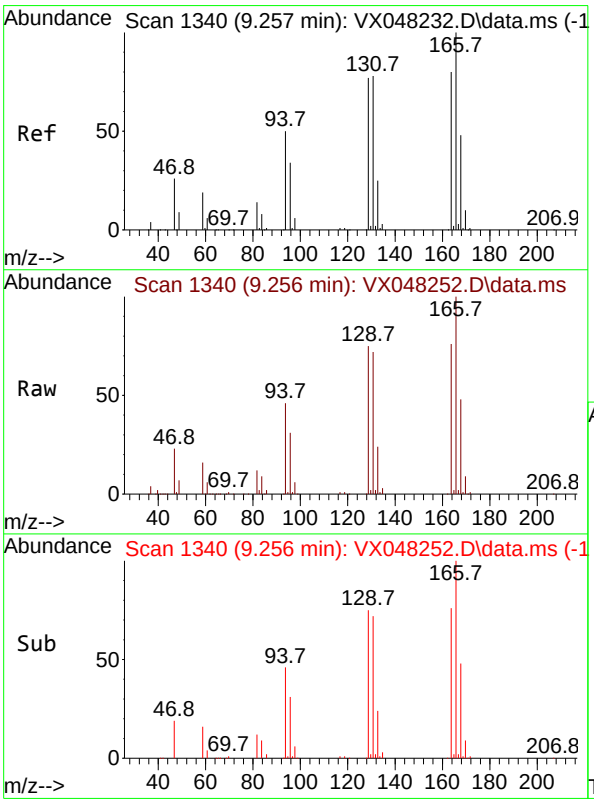
Ion	Ratio	Lower	Upper
117	100		
82	53.8	46.5	69.7
119	32.0	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

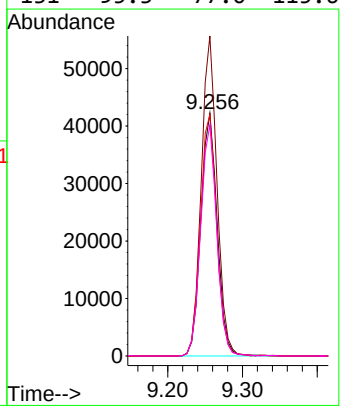


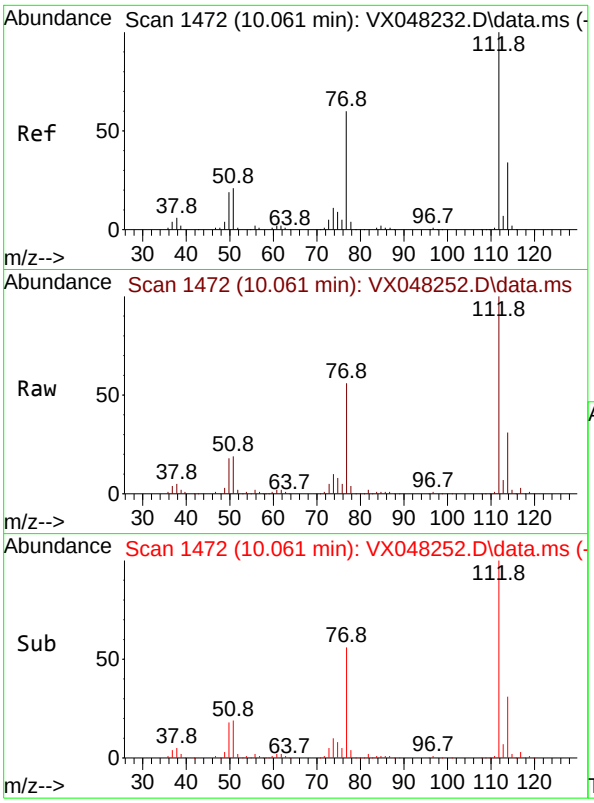


#64
Tetrachloroethene
Concen: 43.569 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:164 Resp: 64080

Ion	Ratio	Lower	Upper
164	100		
166	131.9	104.5	156.7
129	99.5	81.8	122.6
131	95.3	77.0	115.6





#65
Chlorobenzene
Concen: 45.568 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

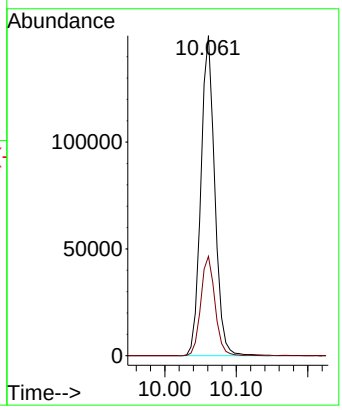
Tgt Ion:112 Resp: 20195

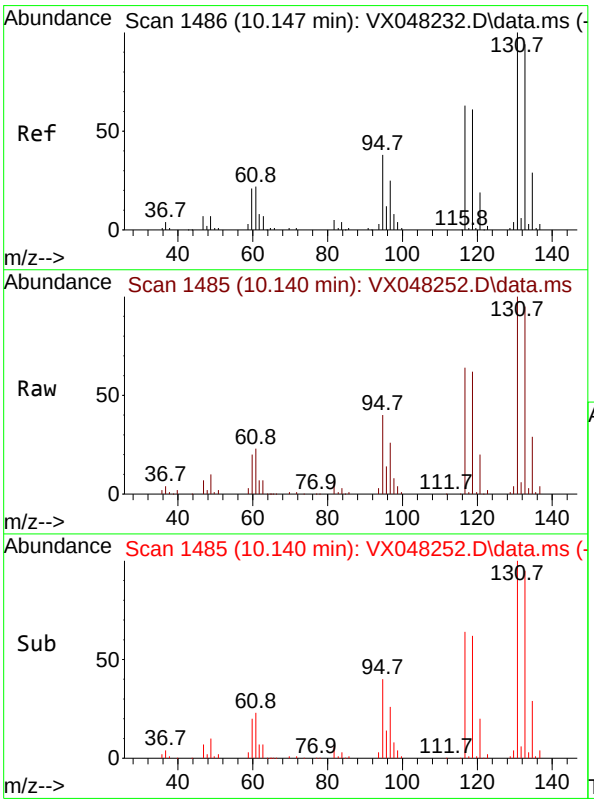
Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.2	39.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

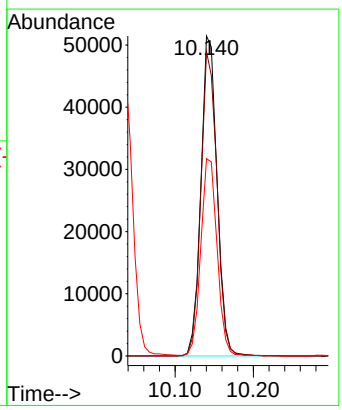


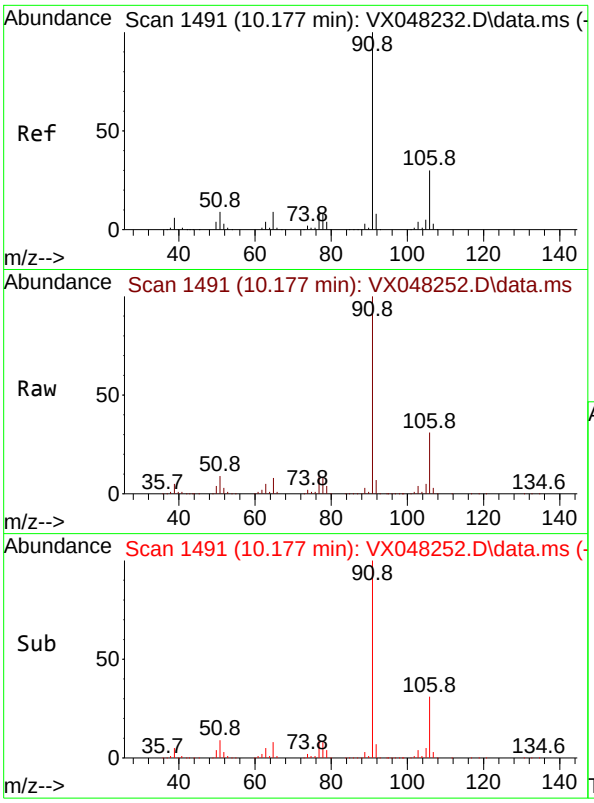


#66
1,1,1,2-Tetrachloroethane
Concen: 45.215 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:131 Resp: 73602

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.6	142.8
119	62.4	32.5	97.5

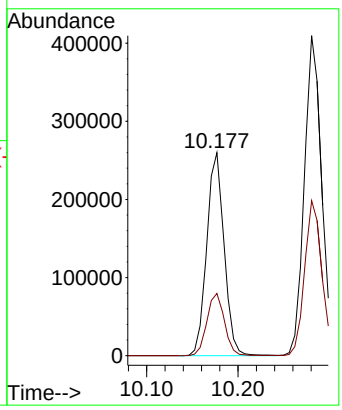




#67
Ethyl Benzene
Concen: 45.371 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 91 Resp: 34235

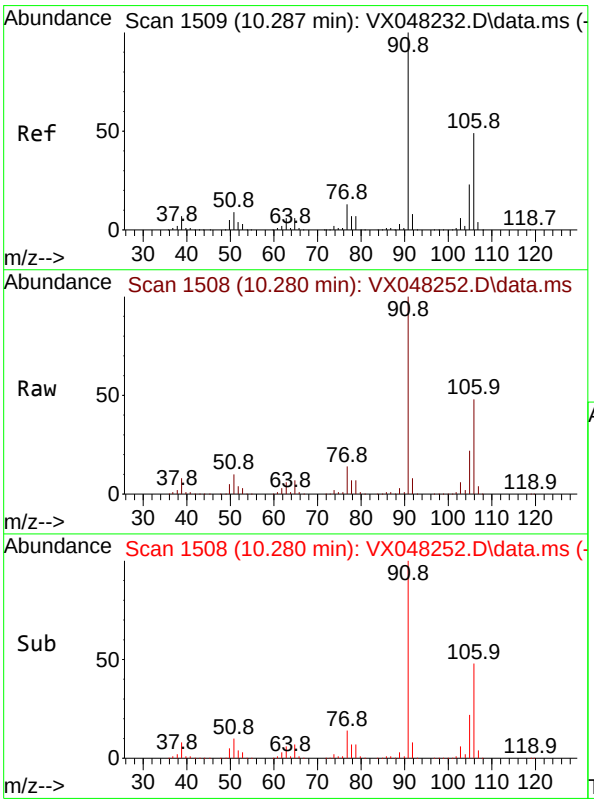
Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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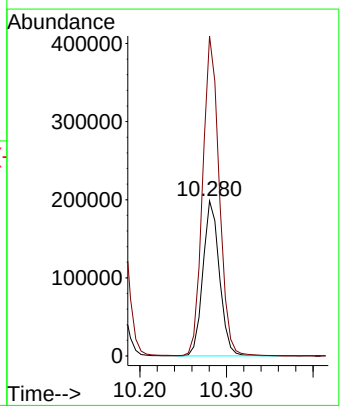
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

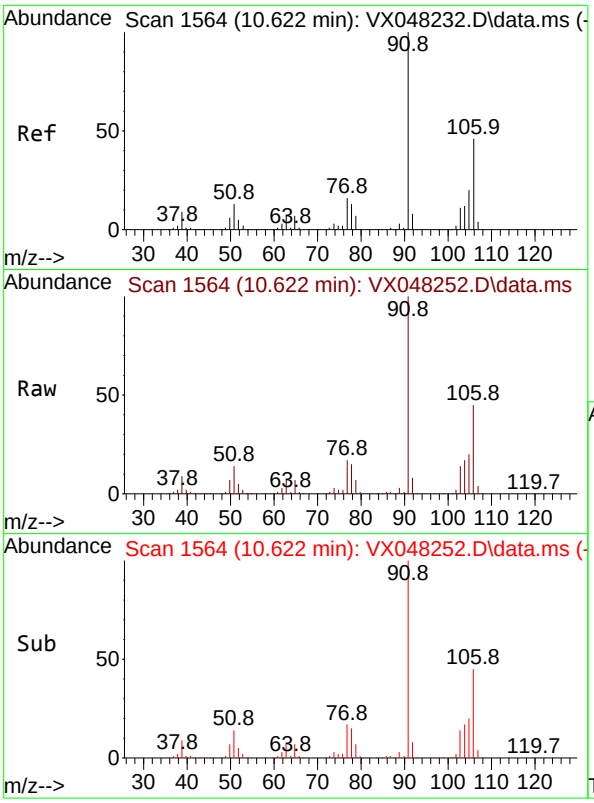


#68
m/p-Xylenes
Concen: 93.624 ug/l
RT: 10.280 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:106 Resp: 262482

Ion	Ratio	Lower	Upper
106	100		
91	206.8	167.9	251.9





#69
o-Xylene
Concen: 45.486 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

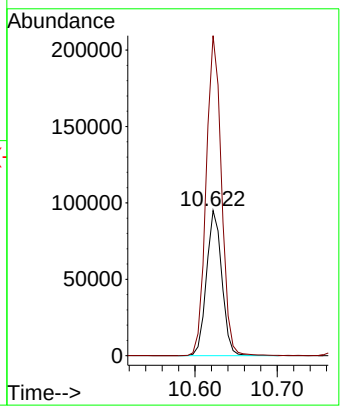
Tgt Ion:106 Resp: 12311

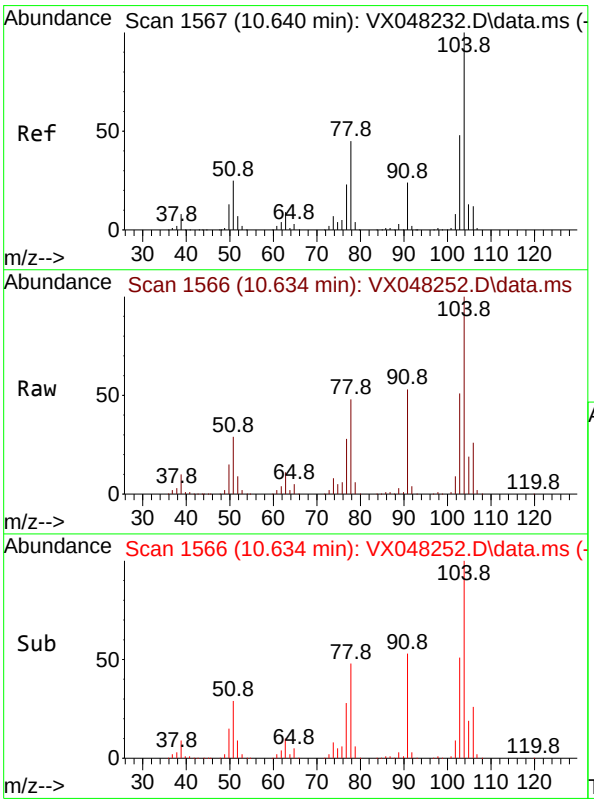
Ion	Ratio	Lower	Upper
106	100		
91	219.9	111.3	333.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

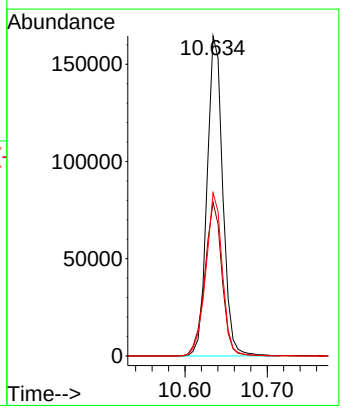


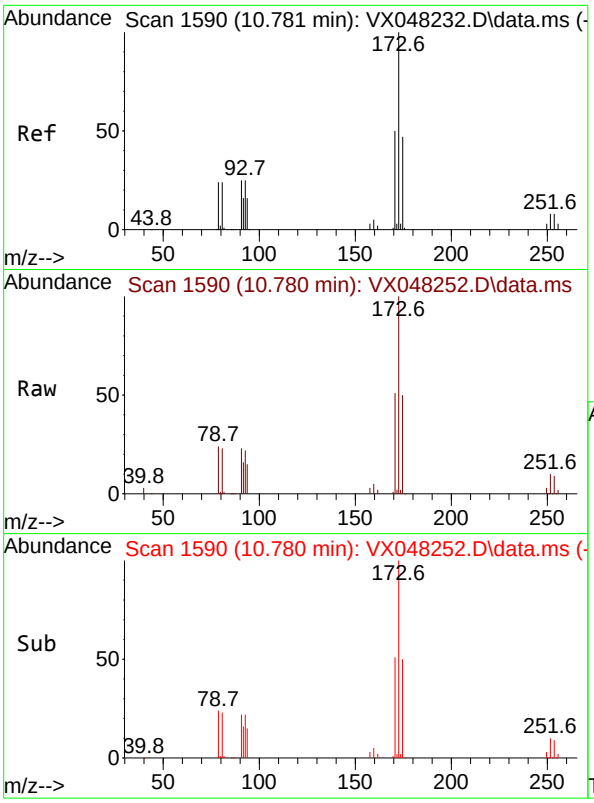


#70
Styrene
Concen: 47.309 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:104 Resp: 218038

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.2	63.4
103	53.9	43.0	64.4

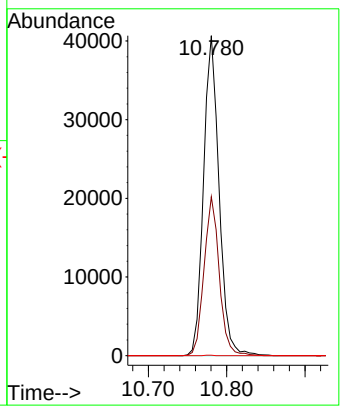




#71
Bromoform
Concen: 42.915 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:173 Resp: 5583

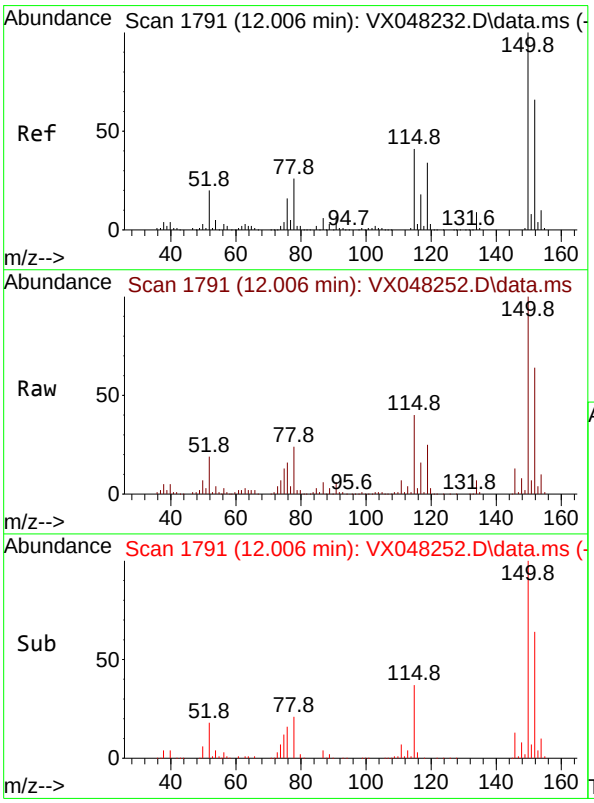
Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.0	72.0
254	0.1	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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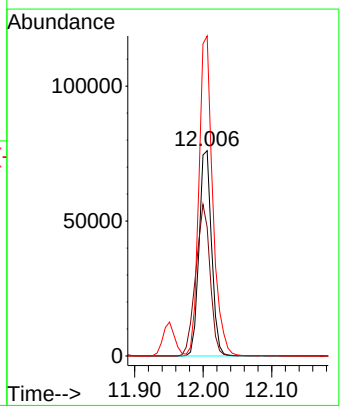
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

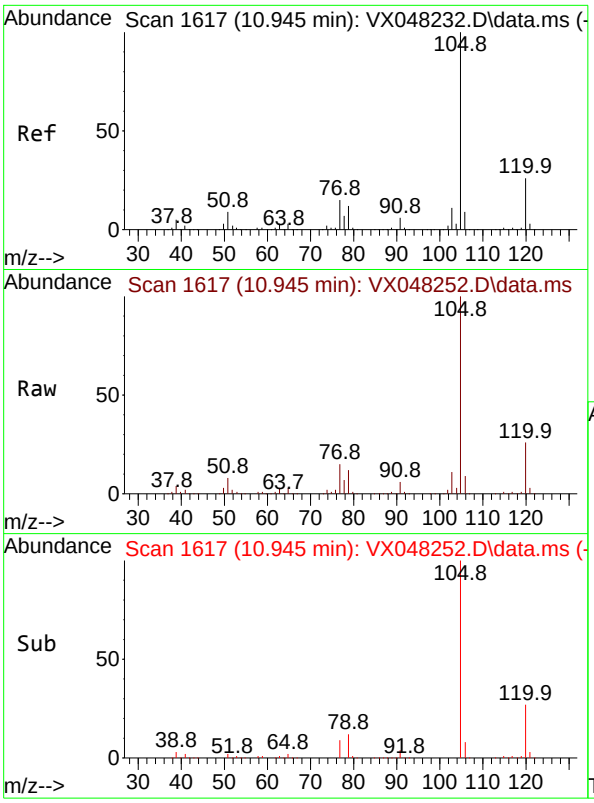


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:152 Resp: 96991

Ion	Ratio	Lower	Upper
152	100		
115	84.4	43.1	129.4
150	171.4	0.0	353.0





#73
Isopropylbenzene
Concen: 46.258 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

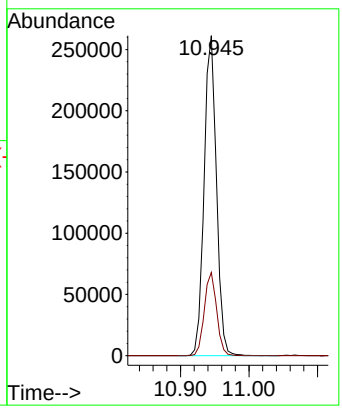
Tgt Ion:105 Resp: 32770

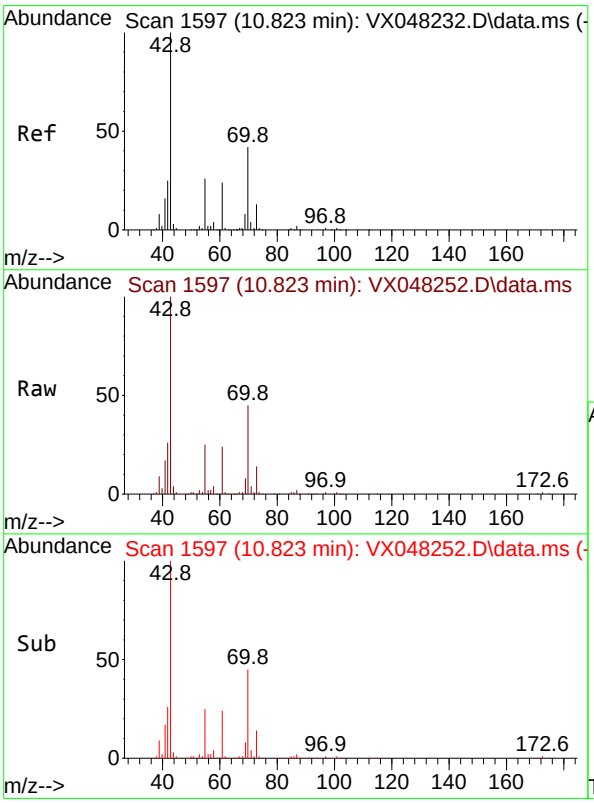
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

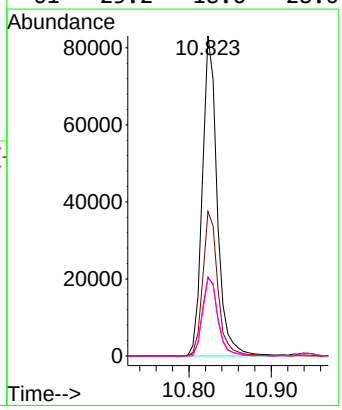


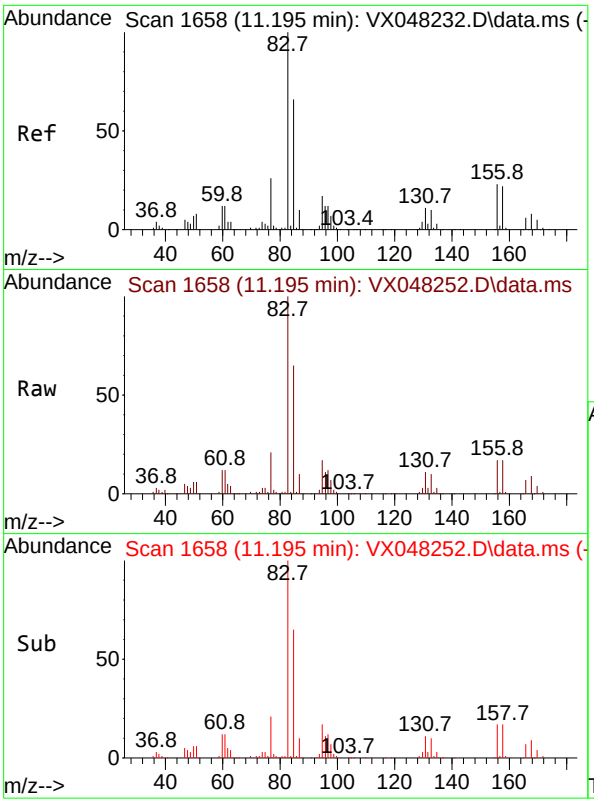


#74
N-amyl acetate
Concen: 41.490 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 43 Resp: 104260

Ion	Ratio	Lower	Upper
43	100		
70	45.6	32.2	48.2
55	25.5	19.1	28.7
61	25.2	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 42.990 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

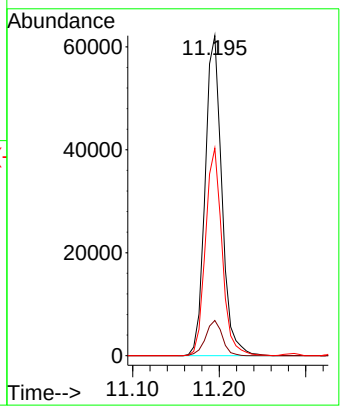
Tgt Ion: 83 Resp: 8316

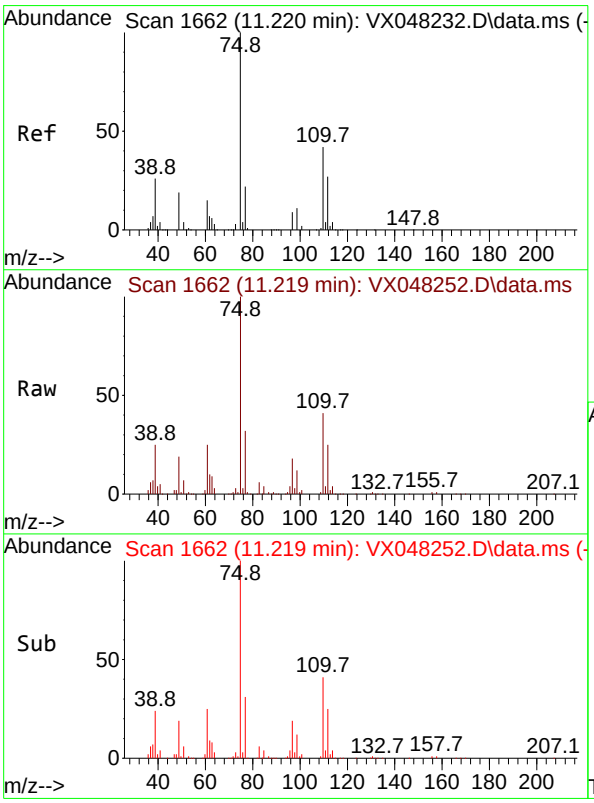
Ion	Ratio	Lower	Upper
83	100		
131	11.1	4.8	14.4
85	64.6	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

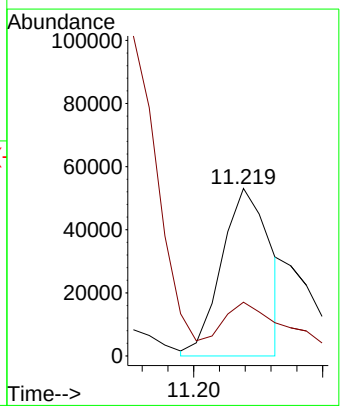


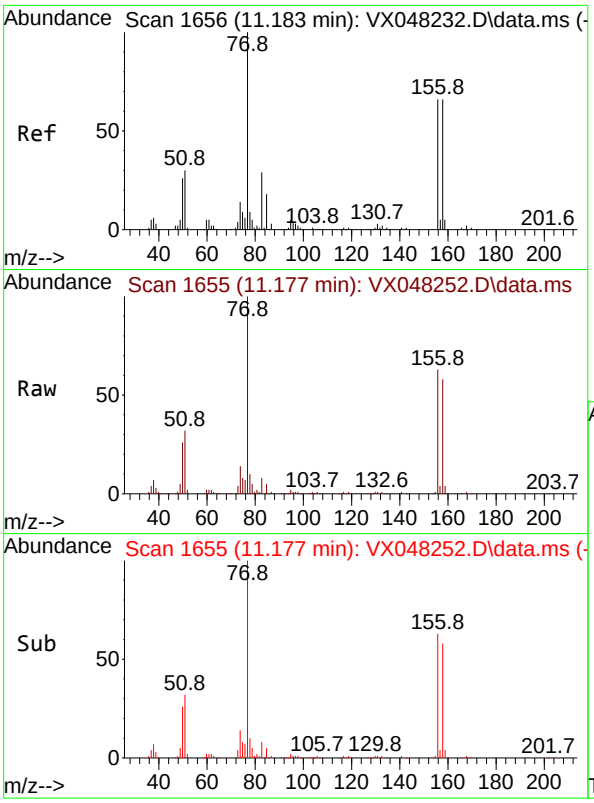


#76
1,2,3-Trichloropropane
Concen: 44.116 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 69389

Ion	Ratio	Lower	Upper
75	100		
77	44.4	22.4	67.2

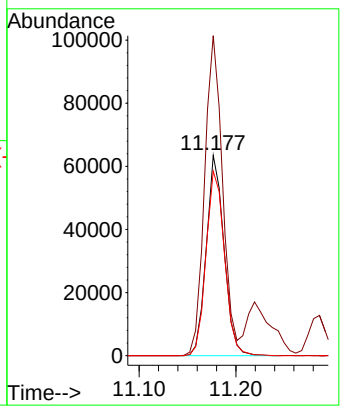




#77
Bromobenzene
Concen: 45.589 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:156 Resp: 8098

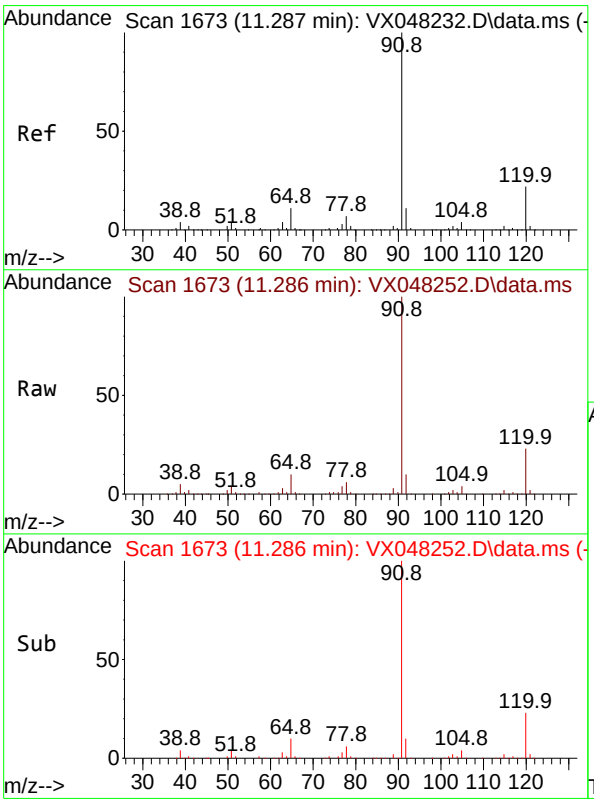
Ion	Ratio	Lower	Upper
156	100		
77	161.0	87.0	261.0
158	96.3	47.8	143.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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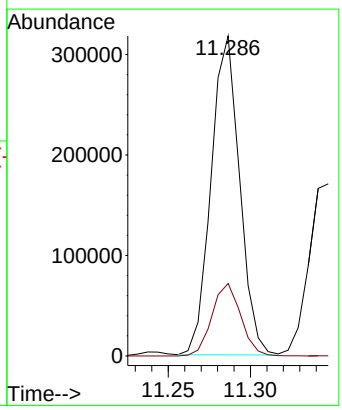
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

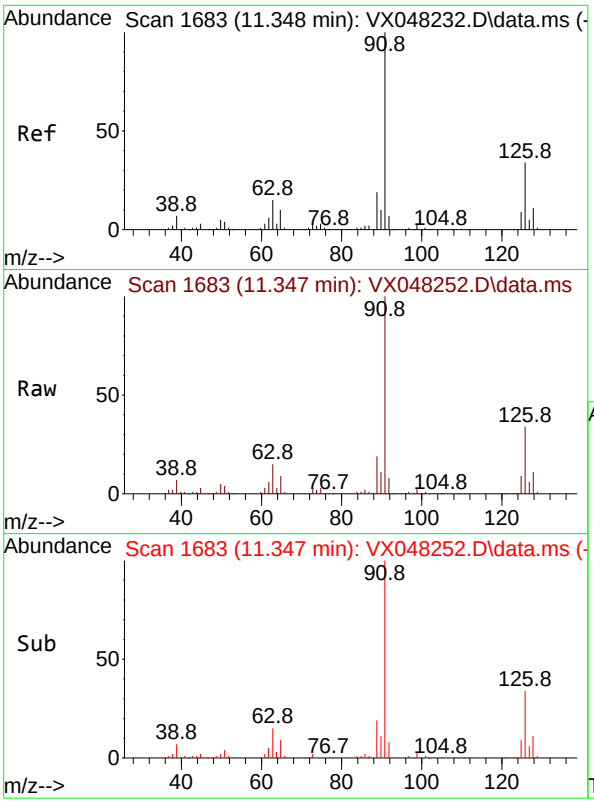


#78
n-propylbenzene
Concen: 46.739 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 91 Resp: 383372

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.1	33.1





#79
2-Chlorotoluene
Concen: 45.456 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

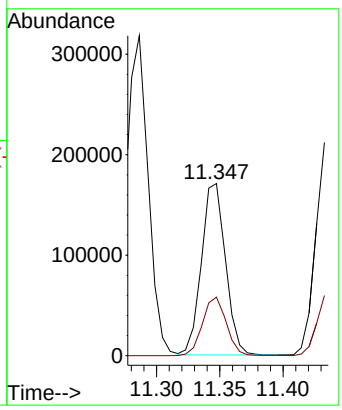
Tgt Ion: 91 Resp: 22605

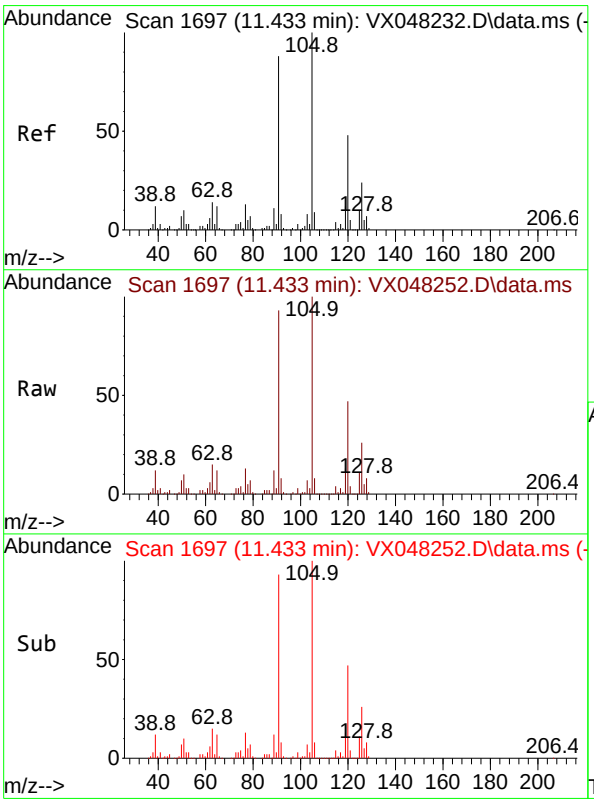
Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

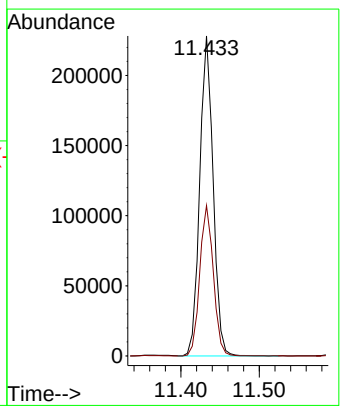


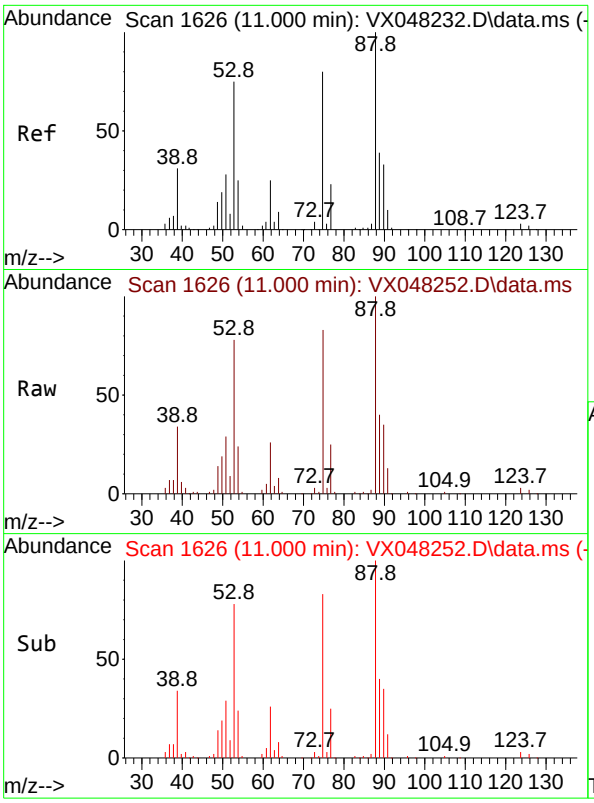


#80
1,3,5-Trimethylbenzene
Concen: 46.077 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:105 Resp: 270132

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 43.041 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

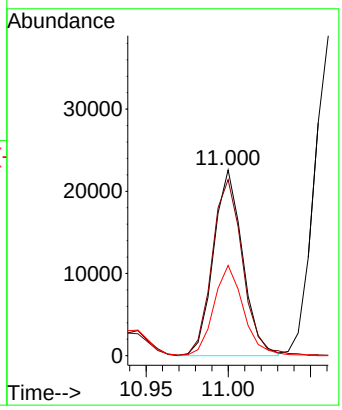
Tgt Ion: 75 Resp: 2782

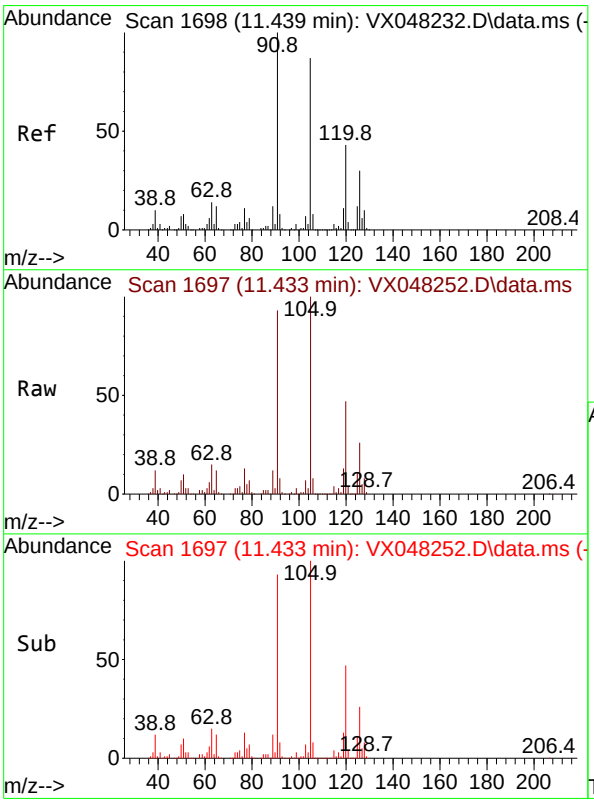
Ion	Ratio	Lower	Upper
75	100		
53	99.9	79.5	119.3
89	49.7	36.8	55.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

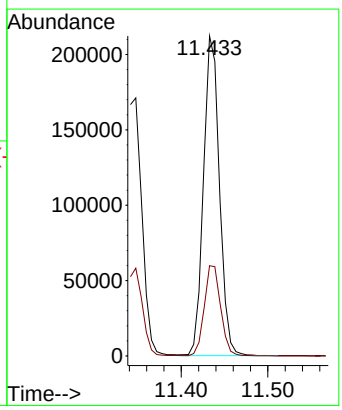


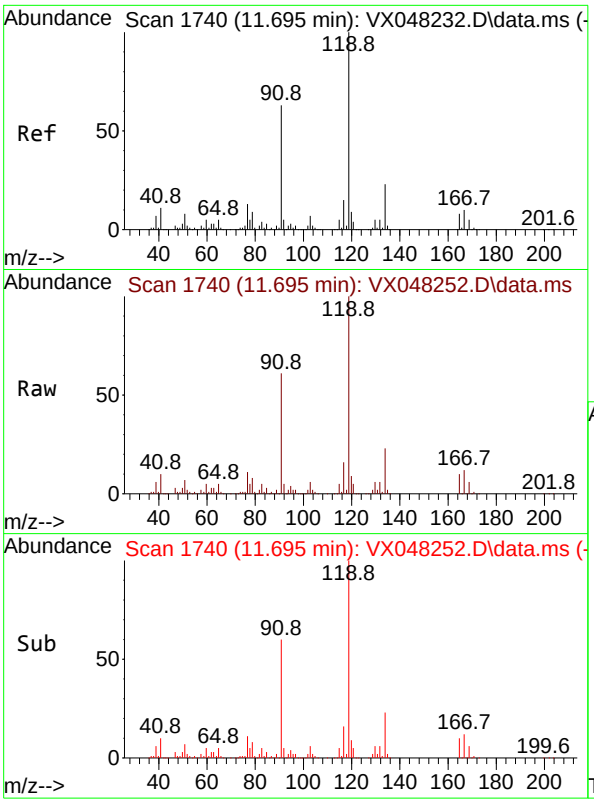


#82
4-Chlorotoluene
Concen: 45.973 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 91 Resp: 271398

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4

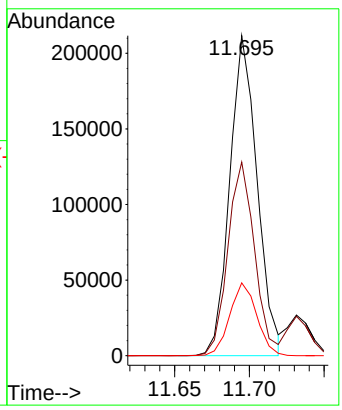




#83
tert-Butylbenzene
Concen: 44.748 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:119 Resp: 26954

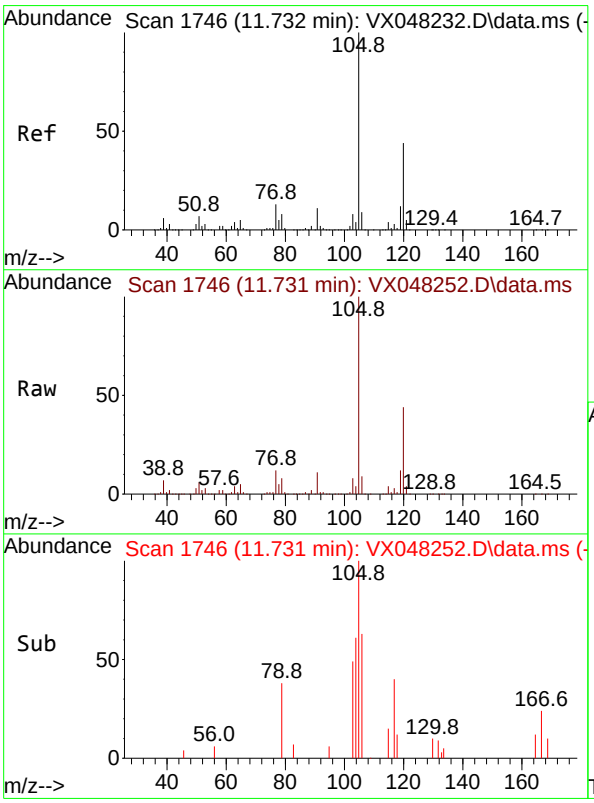
Ion	Ratio	Lower	Upper
119	100		
91	59.1	30.3	91.0
134	22.5	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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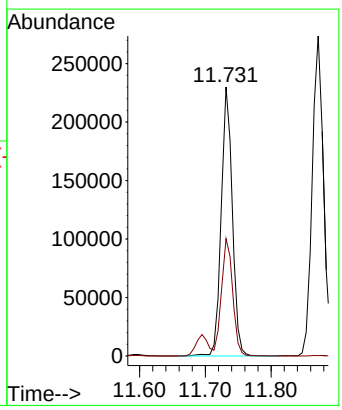
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

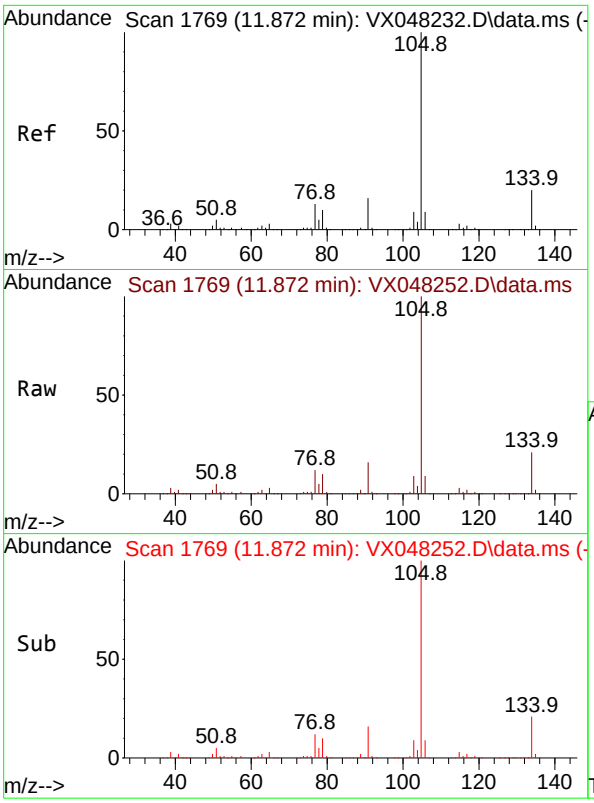


#84
1,2,4-Trimethylbenzene
Concen: 46.257 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:105 Resp: 270636

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.5





#85
sec-Butylbenzene
Concen: 44.772 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

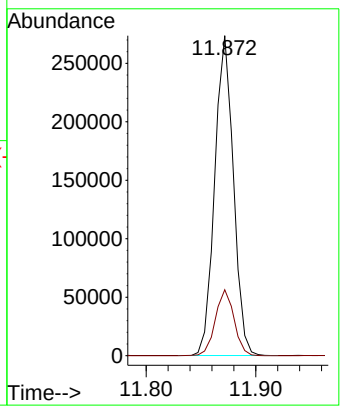
Tgt Ion:105 Resp: 32445

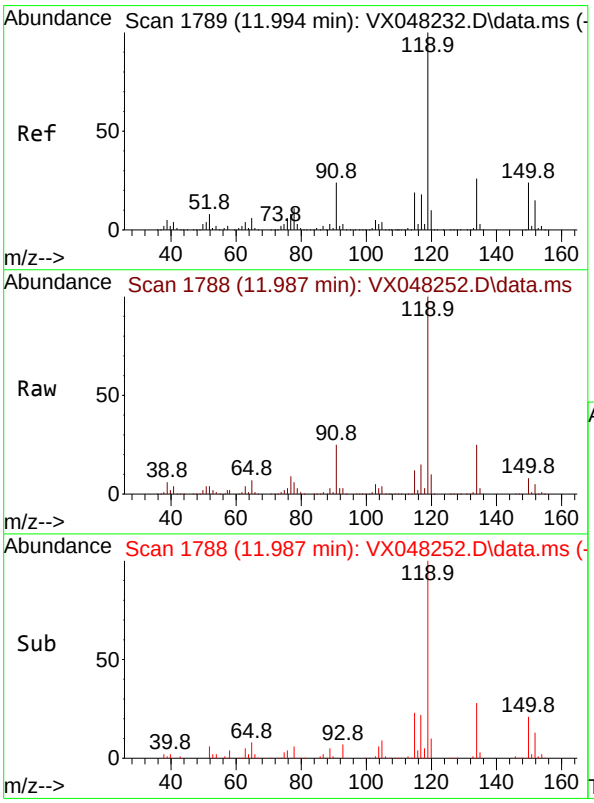
Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

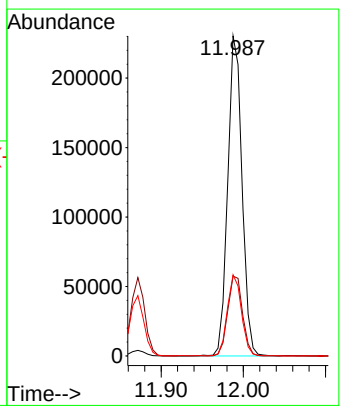


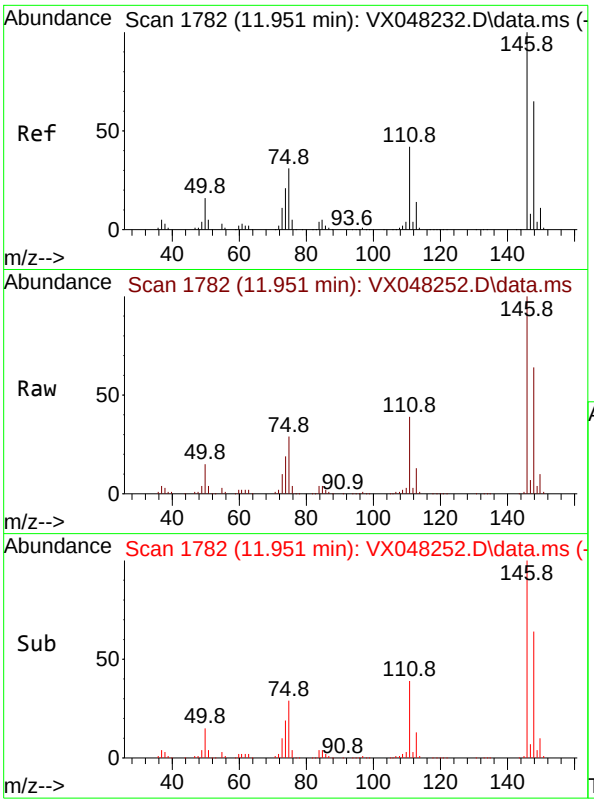


#86
p-Isopropyltoluene
Concen: 44.510 ug/l
RT: 11.987 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:119 Resp: 278806

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	25.2	12.1	36.3

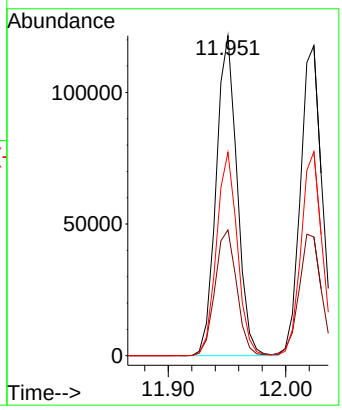




#87
1,3-Dichlorobenzene
Concen: 45.050 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:146 Resp: 15085

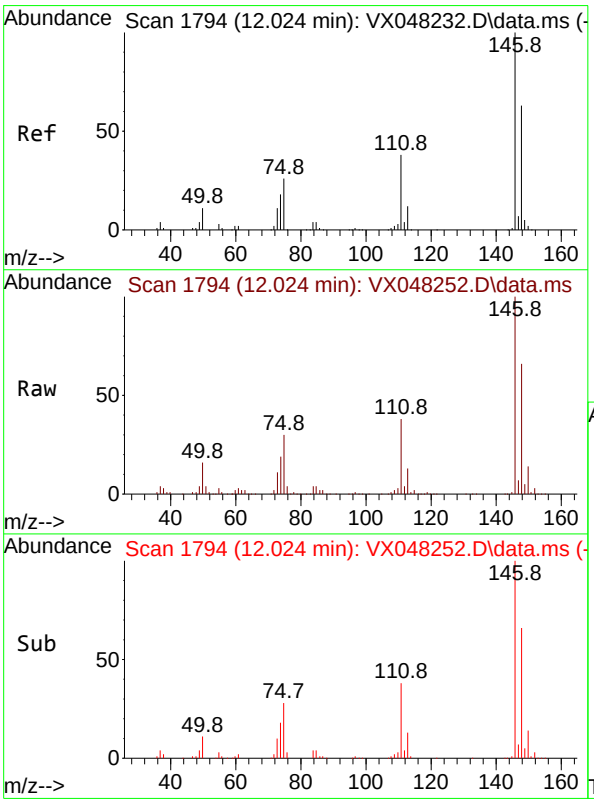
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.2
148	63.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

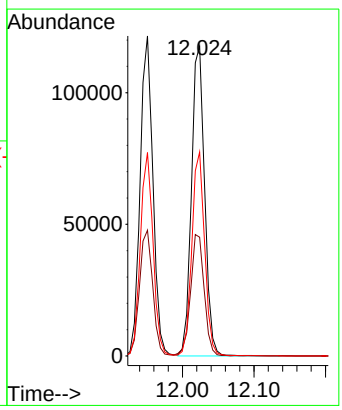
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

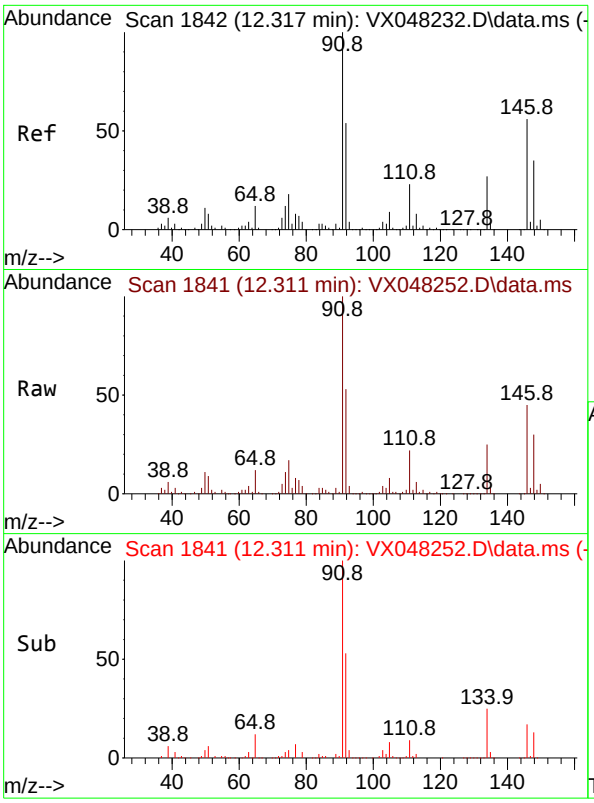


#88
1,4-Dichlorobenzene
Concen: 43.374 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:146 Resp: 150468

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.2
148	64.4	31.8	95.3

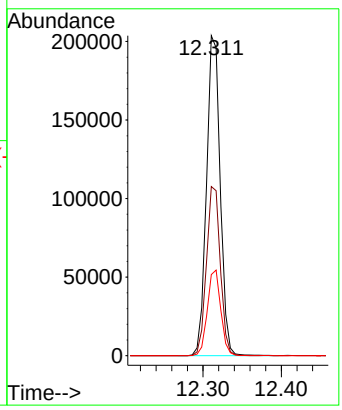




#89
n-Butylbenzene
Concen: 43.269 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 91 Resp: 24669

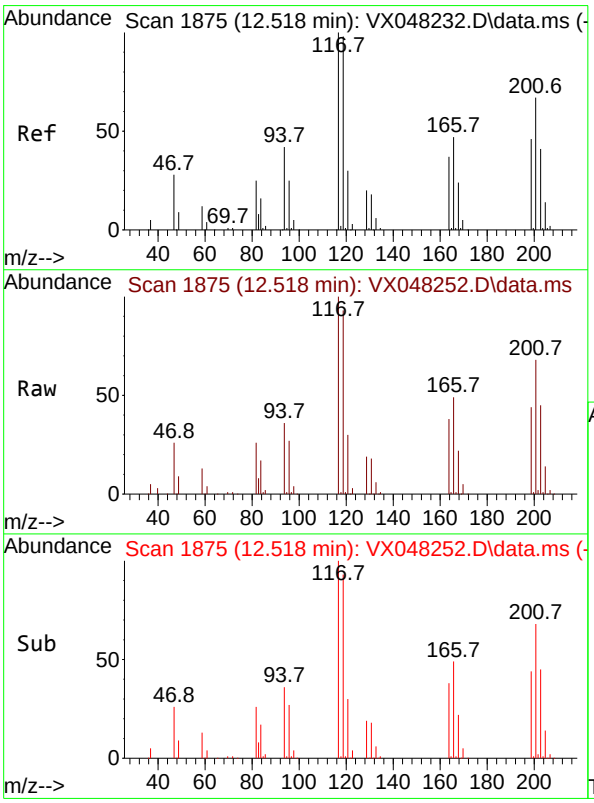
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.9	80.6
134	26.2	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

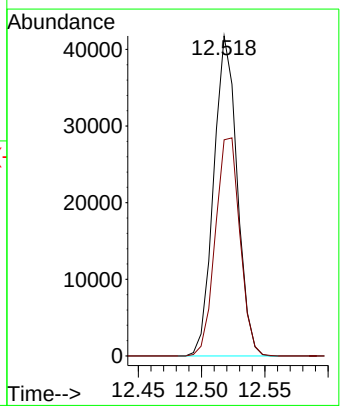
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

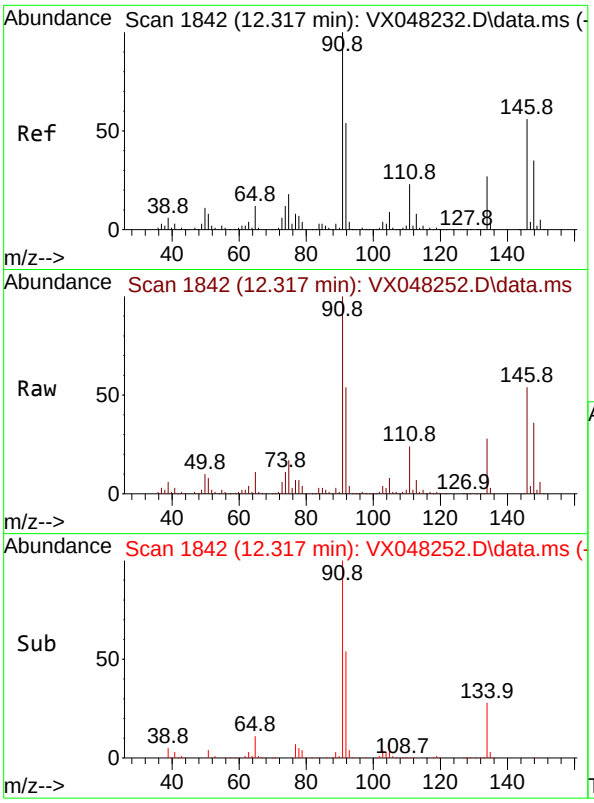


#90
Hexachloroethane
Concen: 43.425 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:117 Resp: 53716

Ion	Ratio	Lower	Upper
117	100		
201	71.6	34.1	102.2

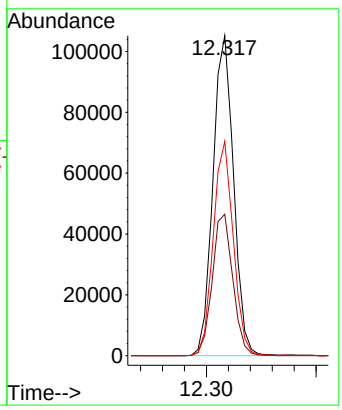




#91
1,2-Dichlorobenzene
Concen: 43.698 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:146 Resp: 13738

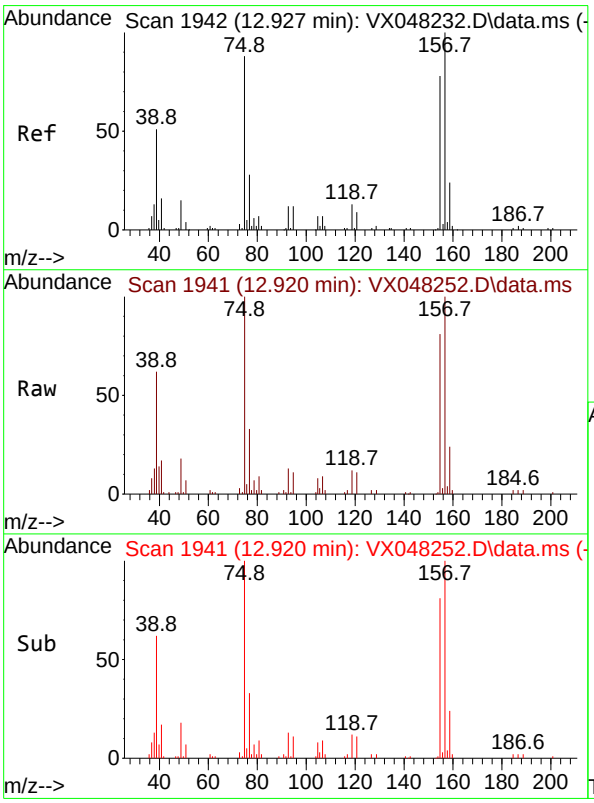
Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.5
148	65.4	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

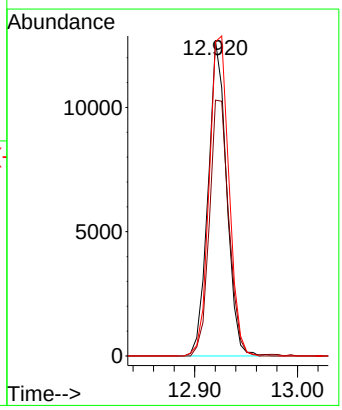
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

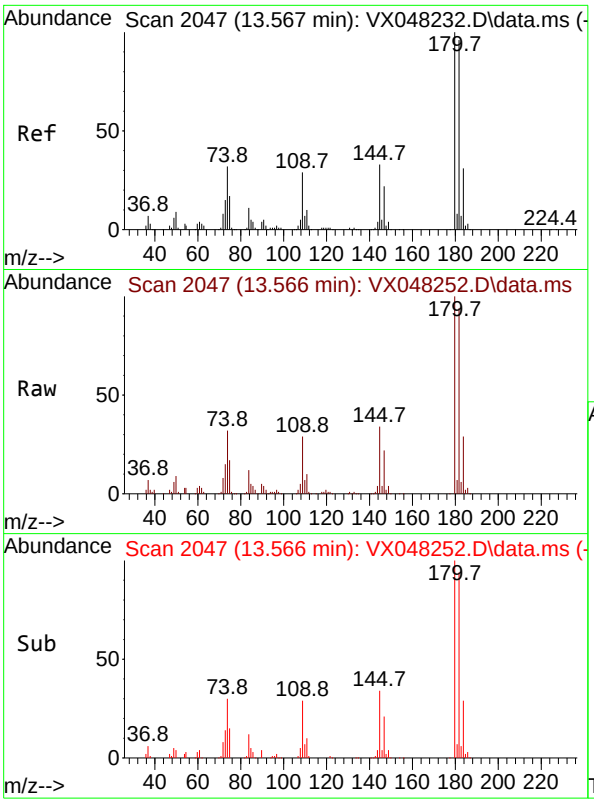


#92
1,2-Dibromo-3-Chloropropane
Concen: 40.283 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion: 75 Resp: 15819

Ion	Ratio	Lower	Upper
75	100		
155	85.2	42.8	128.4
157	108.0	54.2	162.6





#93
1,2,4-Trichlorobenzene
Concen: 40.369 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

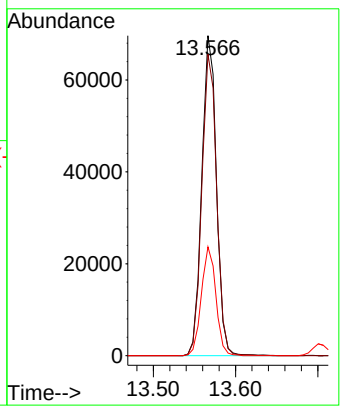
Tgt Ion:180 Resp: 8583

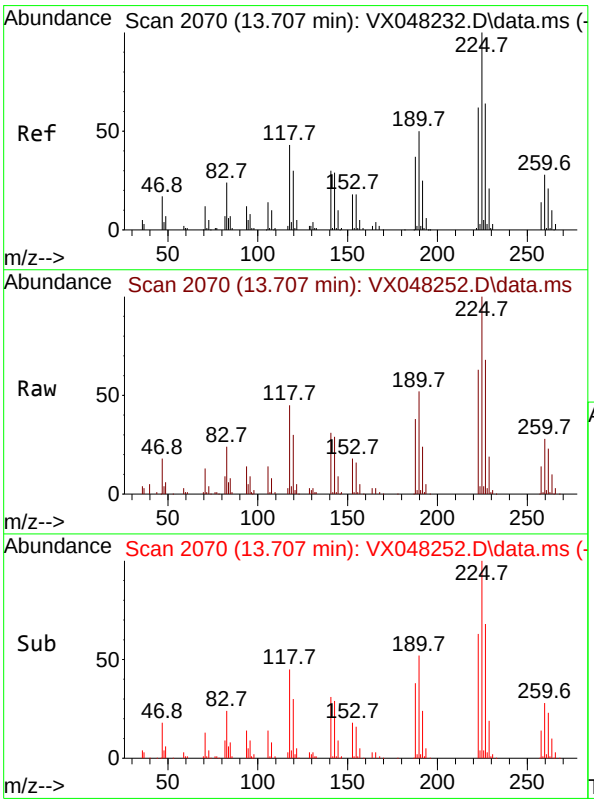
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	142.0
145	33.8	16.3	48.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

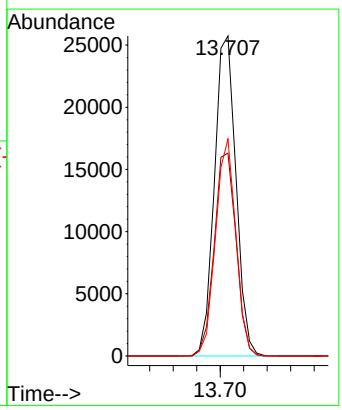


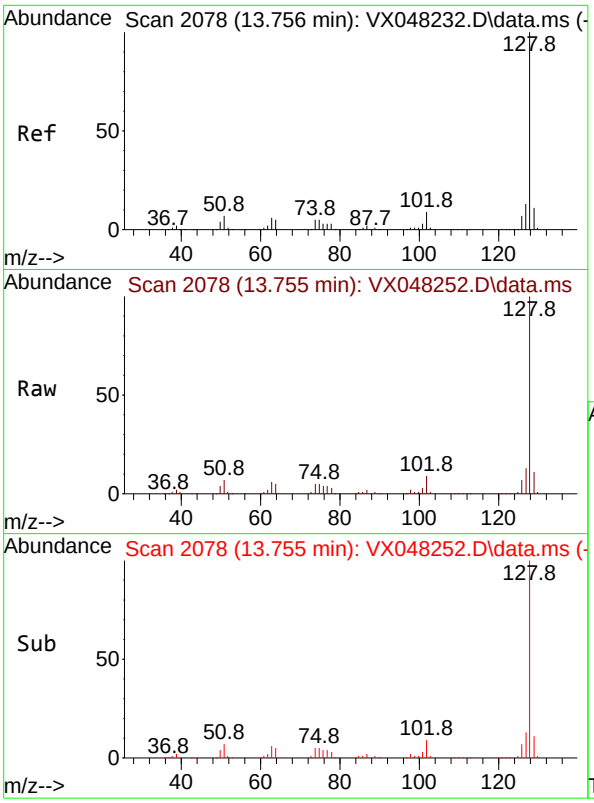


#94
Hexachlorobutadiene
Concen: 41.267 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:225 Resp: 32869

Ion	Ratio	Lower	Upper
225	100		
223	64.3	32.6	97.7
227	64.0	32.5	97.4

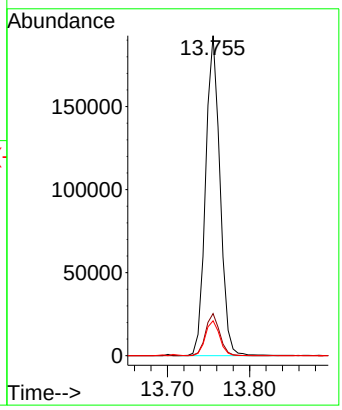




#95
Naphthalene
Concen: 41.531 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:128 Resp: 23394

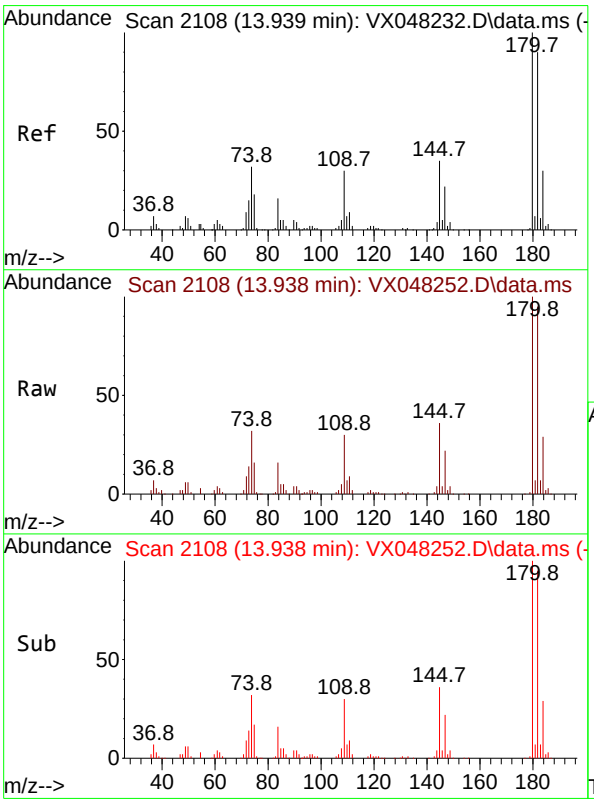
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

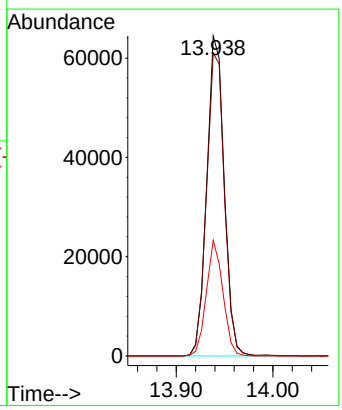
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 41.446 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048252.D
Acq: 21 Oct 2025 08:43

Tgt Ion:180 Resp: 80863

Ion	Ratio	Lower	Upper
180	100		
182	97.0	46.6	139.7
145	34.4	16.9	50.7



Evaluate Continuing Calibration Report

Sample Results: **VX048252.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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	116	-0.01
2	T	Dichlorodifluoromethane	0.514	0.496	3.5	119	0.00
3	P	Chloromethane	0.480	0.468	2.5	121	0.00
4	C	Vinyl Chloride	0.444	0.448	-0.9#	125	0.00
5	T	Bromomethane	0.302	0.299	1.0	123	0.00
6	T	Chloroethane	0.261	0.261	0.0	123	0.00
7	T	Trichlorofluoromethane	0.852	0.813	4.6	117	0.00
8	T	Diethyl Ether	0.240	0.225	6.2	117	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.540	0.513	5.0	119	0.00
10	T	Methyl Iodide	0.678	0.621	8.4	108	0.00
11	T	Tert butyl alcohol	0.070	0.048	31.4#	90	0.00
12	CM	1,1-Dichloroethene	0.525	0.498	5.1#	119	0.00
13	T	Acrolein	0.071	0.077	-8.5	138	0.00
14	T	Allyl chloride	0.872	0.795	8.8	114	0.00
15	T	Acrylonitrile	0.251	0.212	15.5	102	0.00
16	T	Acetone	0.240	0.230	4.2	132	0.00
17	T	Carbon Disulfide	1.654	1.439	13.0	116	0.00
18	T	Methyl Acetate	0.502	0.411	18.1	102	0.00
19	T	Methyl tert-butyl Ether	1.791	1.576	12.0	107	-0.01
20	T	Methylene Chloride	0.586	0.556	5.1	117	0.00
21	T	trans-1,2-Dichloroethene	0.577	0.538	6.8	116	0.00
22	T	Diisopropyl ether	1.738	1.614	7.1	112	0.00
23	T	Vinyl Acetate	1.389	1.256	9.6	108	0.00
24	P	1,1-Dichloroethane	1.051	0.952	9.4	113	0.00
25	T	2-Butanone	0.304	0.260	14.5	107	0.00
26	T	2,2-Dichloropropane	0.949	0.853	10.1	113	0.00
27	T	cis-1,2-Dichloroethene	0.673	0.610	9.4	113	-0.01
28	T	Bromochloromethane	0.436	0.435	0.2	114	0.00
29	T	Tetrahydrofuran	0.182	0.139	23.6	94	0.00
30	C	Chloroform	1.123	1.006	10.4#	111	0.00
31	T	Cyclohexane	0.870	0.788	9.4	111	0.00
32	T	1,1,1-Trichloroethane	1.035	0.920	11.1	110	-0.01
33	S	1,2-Dichloroethane-d4	0.701	0.658	6.1	112	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	112	0.00
35	S	Dibromofluoromethane	0.341	0.340	0.3	116	-0.01
36	T	1,1-Dichloropropene	0.485	0.431	11.1	112	-0.01
37	T	Ethyl Acetate	0.402	0.325	19.2	99	0.00
38	T	Carbon Tetrachloride	0.599	0.533	11.0	108	0.00
39	T	Methylcyclohexane	0.573	0.510	11.0	106	0.00
40	TM	Benzene	1.409	1.280	9.2	111	-0.01
41	T	Methacrylonitrile	0.211	0.180	14.7	99	-0.01
42	TM	1,2-Dichloroethane	0.520	0.466	10.4	105	0.00
43	T	Isopropyl Acetate	0.661	0.540	18.3	96	0.00
44	TM	Trichloroethene	0.372	0.337	9.4	109	0.00
45	C	1,2-Dichloropropane	0.335	0.305	9.0#	107	0.00
46	T	Dibromomethane	0.261	0.233	10.7	106	0.00
47	T	Bromodichloromethane	0.563	0.510	9.4	107	0.00
48	T	Methyl methacrylate	0.333	0.273	18.0	95	0.00

Sample Results: **VX048252.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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	0.004	0.003	25.0	87	0.00
50	S	Toluene-d8	1.196	1.150	3.8	109	0.00
51	T	4-Methyl-2-Pentanone	0.381	0.302	20.7	90	0.00
52	CM	Toluene	0.895	0.795	11.2#	104	0.00
53	T	t-1,3-Dichloropropene	0.543	0.493	9.2	102	0.00
54	T	cis-1,3-Dichloropropene	0.586	0.529	9.7	104	0.00
55	T	1,1,2-Trichloroethane	0.333	0.291	12.6	102	0.00
56	T	Ethyl methacrylate	0.487	0.414	15.0	95	0.00
57	T	1,3-Dichloropropane	0.568	0.497	12.5	102	0.00
58	T	2-Chloroethyl Vinyl ether	0.232	0.223	3.9	97	0.00
59	T	2-Hexanone	0.266	0.227	14.7	96	0.00
60	T	Dibromochloromethane	0.447	0.388	13.2	103	0.00
61	T	1,2-Dibromoethane	0.355	0.307	13.5	101	0.00
62	S	4-Bromofluorobenzene	0.455	0.419	7.9	106	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.373	0.325	12.9	106	0.00
65	PM	Chlorobenzene	1.125	1.025	8.9	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.413	0.374	9.4	102	0.00
67	C	Ethyl Benzene	1.915	1.738	9.2#	102	0.00
68	T	m/p-Xylenes	0.712	0.666	6.5	103	0.00
69	T	o-Xylene	0.687	0.625	9.0	100	0.00
70	T	Styrene	1.170	1.107	5.4	103	0.00
71	P	Bromoform	0.330	0.283	14.2	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	3.652	3.379	7.5	103	0.00
74	T	N-amyl acetate	1.295	1.075	17.0	90	0.00
75	P	1,1,2,2-Tetrachloroethane	0.997	0.857	14.0	95	0.00
76	T	1,2,3-Trichloropropane	0.811	0.715	11.8	102	0.00
77	T	Bromobenzene	0.916	0.835	8.8	102	0.00
78	T	n-propylbenzene	4.228	3.953	6.5	103	0.00
79	T	2-Chlorotoluene	2.564	2.331	9.1	102	0.00
80	T	1,3,5-Trimethylbenzene	3.022	2.785	7.8	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.333	0.287	13.8	95	0.00
82	T	4-Chlorotoluene	3.043	2.798	8.1	102	0.00
83	T	tert-Butylbenzene	3.105	2.779	10.5	100	0.00
84	T	1,2,4-Trimethylbenzene	3.016	2.790	7.5	102	0.00
85	T	sec-Butylbenzene	3.736	3.345	10.5	101	0.00
86	T	p-Isopropyltoluene	3.229	2.875	11.0	101	0.00
87	T	1,3-Dichlorobenzene	1.726	1.555	9.9	105	0.00
88	T	1,4-Dichlorobenzene	1.788	1.551	13.3	103	0.00
89	T	n-Butylbenzene	2.939	2.543	13.5	101	0.00
90	T	Hexachloroethane	0.638	0.554	13.2	102	0.00
91	T	1,2-Dichlorobenzene	1.621	1.416	12.6	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.202	0.163	19.3	88	0.00
93	T	1,2,4-Trichlorobenzene	1.096	0.885	19.3	97	0.00
94	T	Hexachlorobutadiene	0.507	0.339	33.1#	95	0.00
95	T	Naphthalene	2.904	2.412	16.9	91	0.00

Sample Results: **VX048252.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	0.834	17.1	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX048252.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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	116	-0.01
2	T	Dichlorodifluoromethane	50.000	48.214	3.6	119	0.00
3	P	Chloromethane	50.000	48.746	2.5	121	0.00
4	C	Vinyl Chloride	50.000	50.463	-0.9#	125	0.00
5	T	Bromomethane	50.000	49.645	0.7	123	0.00
6	T	Chloroethane	50.000	50.036	-0.1	123	0.00
7	T	Trichlorofluoromethane	50.000	47.687	4.6	117	0.00
8	T	Diethyl Ether	50.000	46.991	6.0	117	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.541	4.9	119	0.00
10	T	Methyl Iodide	50.000	45.766	8.5	108	0.00
11	T	Tert butyl alcohol	250.000	172.886	30.8#	90	0.00
12	CM	1,1-Dichloroethene	50.000	47.416	5.2#	119	0.00
13	T	Acrolein	250.000	272.848	-9.1	138	0.00
14	T	Allyl chloride	50.000	45.594	8.8	114	0.00
15	T	Acrylonitrile	250.000	211.101	15.6	102	0.00
16	T	Acetone	250.000	239.598	4.2	132	0.00
17	T	Carbon Disulfide	50.000	43.489	13.0	116	0.00
18	T	Methyl Acetate	50.000	40.924	18.2	102	0.00
19	T	Methyl tert-butyl Ether	50.000	44.001	12.0	107	-0.01
20	T	Methylene Chloride	50.000	47.460	5.1	117	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.681	6.6	116	0.00
22	T	Diisopropyl ether	50.000	46.439	7.1	112	0.00
23	T	Vinyl Acetate	250.000	226.065	9.6	108	0.00
24	P	1,1-Dichloroethane	50.000	45.296	9.4	113	0.00
25	T	2-Butanone	250.000	213.793	14.5	107	0.00
26	T	2,2-Dichloropropane	50.000	44.950	10.1	113	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.309	9.4	113	-0.01
28	T	Bromochloromethane	50.000	49.917	0.2	114	0.00
29	T	Tetrahydrofuran	250.000	190.379	23.8	94	0.00
30	C	Chloroform	50.000	44.807	10.4#	111	0.00
31	T	Cyclohexane	50.000	45.286	9.4	111	0.00
32	T	1,1,1-Trichloroethane	50.000	44.462	11.1	110	-0.01
33	S	1,2-Dichloroethane-d4	50.000	46.938	6.1	112	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	112	0.00
35	S	Dibromofluoromethane	50.000	49.844	0.3	116	-0.01
36	T	1,1-Dichloropropene	50.000	44.412	11.2	112	-0.01
37	T	Ethyl Acetate	50.000	40.418	19.2	99	0.00
38	T	Carbon Tetrachloride	50.000	44.491	11.0	108	0.00
39	T	Methylcyclohexane	50.000	44.497	11.0	106	0.00
40	TM	Benzene	50.000	45.424	9.2	111	-0.01
41	T	Methacrylonitrile	50.000	42.707	14.6	99	-0.01
42	TM	1,2-Dichloroethane	50.000	44.791	10.4	105	0.00
43	T	Isopropyl Acetate	50.000	40.859	18.3	96	0.00
44	TM	Trichloroethene	50.000	45.286	9.4	109	0.00
45	C	1,2-Dichloropropane	50.000	45.586	8.8#	107	0.00
46	T	Dibromomethane	50.000	44.649	10.7	106	0.00
47	T	Bromodichloromethane	50.000	45.265	9.5	107	0.00
48	T	Methyl methacrylate	50.000	41.000	18.0	95	0.00

Sample Results: **VX048252.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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	782.834	21.7	87	0.00
50	S	Toluene-d8	50.000	48.070	3.9	109	0.00
51	T	4-Methyl-2-Pentanone	250.000	198.518	20.6	90	0.00
52	CM	Toluene	50.000	44.443	11.1#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	45.367	9.3	102	0.00
54	T	cis-1,3-Dichloropropene	50.000	45.199	9.6	104	0.00
55	T	1,1,2-Trichloroethane	50.000	43.758	12.5	102	0.00
56	T	Ethyl methacrylate	50.000	42.533	14.9	95	0.00
57	T	1,3-Dichloropropane	50.000	43.726	12.5	102	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	213.469	14.6	97	0.00
59	T	2-Hexanone	250.000	213.881	14.4	96	0.00
60	T	Dibromochloromethane	50.000	43.319	13.4	103	0.00
61	T	1,2-Dibromoethane	50.000	43.228	13.5	101	0.00
62	S	4-Bromofluorobenzene	50.000	46.072	7.9	106	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	43.569	12.9	106	0.00
65	PM	Chlorobenzene	50.000	45.568	8.9	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.215	9.6	102	0.00
67	C	Ethyl Benzene	50.000	45.371	9.3#	102	0.00
68	T	m/p-Xylenes	100.000	93.624	6.4	103	0.00
69	T	o-Xylene	50.000	45.486	9.0	100	0.00
70	T	Styrene	50.000	47.309	5.4	103	0.00
71	P	Bromoform	50.000	42.915	14.2	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	46.258	7.5	103	0.00
74	T	N-amyl acetate	50.000	41.490	17.0	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	42.990	14.0	95	0.00
76	T	1,2,3-Trichloropropane	50.000	44.116	11.8	102	0.00
77	T	Bromobenzene	50.000	45.589	8.8	102	0.00
78	T	n-propylbenzene	50.000	46.739	6.5	103	0.00
79	T	2-Chlorotoluene	50.000	45.456	9.1	102	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.077	7.8	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	43.041	13.9	95	0.00
82	T	4-Chlorotoluene	50.000	45.973	8.1	102	0.00
83	T	tert-Butylbenzene	50.000	44.748	10.5	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.257	7.5	102	0.00
85	T	sec-Butylbenzene	50.000	44.772	10.5	101	0.00
86	T	p-Isopropyltoluene	50.000	44.510	11.0	101	0.00
87	T	1,3-Dichlorobenzene	50.000	45.050	9.9	105	0.00
88	T	1,4-Dichlorobenzene	50.000	43.374	13.3	103	0.00
89	T	n-Butylbenzene	50.000	43.269	13.5	101	0.00
90	T	Hexachloroethane	50.000	43.425	13.2	102	0.00
91	T	1,2-Dichlorobenzene	50.000	43.698	12.6	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	40.283	19.4	88	0.00
93	T	1,2,4-Trichlorobenzene	50.000	40.369	19.3	97	0.00
94	T	Hexachlorobutadiene	50.000	41.267	17.5	95	0.00
95	T	Naphthalene	50.000	41.531	16.9	91	0.00

Sample Results: **VX048252.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048252.D
Acq On : 21 Oct 2025 08:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 04:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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	41.446	17.1	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY023521.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: MSVOA_Y
Calibration Date/Time: 10/21/2025 09:05
Lab File ID: VY023521.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:17 12:32
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.323		-10.28	20
Chloromethane	0.490	0.450	0.1	-8.16	20
Vinyl Chloride	0.639	0.605		-5.32	20
Bromomethane	0.536	0.513		-4.29	20
Chloroethane	0.435	0.447		2.76	20
Trichlorofluoromethane	0.887	0.883		-0.45	20
1,1,2-Trichlorotrifluoroethane	0.460	0.490		6.52	20
1,1-Dichloroethene	0.446	0.455		2.02	20
Acetone	0.100	0.113		13	20
Carbon Disulfide	1.277	1.260		-1.33	20
Methyl tert-butyl Ether	1.072	1.116		4.1	20
Methyl Acetate	0.261	0.303		16.09	20
Methylene Chloride	0.538	0.509		-5.39	20
trans-1,2-Dichloroethene	0.491	0.520		5.91	20
1,1-Dichloroethane	0.796	0.840	0.1	5.53	20
Cyclohexane	0.696	0.643		-7.61	20
2-Butanone	0.122	0.124		1.64	20
Carbon Tetrachloride	0.493	0.562		14	20
cis-1,2-Dichloroethene	0.567	0.614		8.29	20
Bromochloromethane	0.297	0.269		-9.43	20
Chloroform	0.875	0.960		9.71	20
1,1,1-Trichloroethane	0.795	0.859		8.05	20
Methylcyclohexane	0.530	0.568		7.17	20
Benzene	1.288	1.448		12.42	20
1,2-Dichloroethane	0.332	0.360		8.43	20
Trichloroethene	0.377	0.421		11.67	20
1,2-Dichloropropane	0.285	0.320		12.28	20
Bromodichloromethane	0.453	0.522		15.23	20
4-Methyl-2-Pentanone	0.166	0.186		12.05	20
Toluene	0.836	0.967		15.67	20
t-1,3-Dichloropropene	0.394	0.441		11.93	20
cis-1,3-Dichloropropene	0.465	0.524		12.69	20
1,1,2-Trichloroethane	0.242	0.285		17.77	20
2-Hexanone	0.119	0.135		13.44	20
Dibromochloromethane	0.339	0.403		18.88	20
1,2-Dibromoethane	0.231	0.269		16.45	20
Tetrachloroethene	0.516	0.575		11.43	20
Chlorobenzene	1.087	1.181	0.3	8.65	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY023521.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: MSVOA_Y
Calibration Date/Time: 10/21/2025 09:05
Lab File ID: VY023521.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:17 12:32
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	1.961		11.42	20
m/p-Xylenes	0.706	0.799		13.17	20
o-Xylene	0.662	0.739		11.63	20
Styrene	1.089	1.261		15.79	20
Bromoform	0.240	0.269	0.1	12.08	20
Isopropylbenzene	3.295	3.640		10.47	20
1,1,2,2-Tetrachloroethane	0.539	0.571	0.3	5.94	20
1,3-Dichlorobenzene	1.706	1.887		10.61	20
1,4-Dichlorobenzene	1.685	1.813		7.6	20
1,2-Dichlorobenzene	1.496	1.634		9.23	20
1,2-Dibromo-3-Chloropropane	0.088	0.088		0	20
1,2,4-Trichlorobenzene	0.932	0.982		5.36	20
1,2,3-Trichlorobenzene	0.808	0.843		4.33	20
1,2-Dichloroethane-d4	0.418	0.408		-2.39	20
Dibromofluoromethane	0.307	0.331		7.82	20
Toluene-d8	1.144	1.218		6.47	20
4-Bromofluorobenzene	0.378	0.405		7.14	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VY023521.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023521.D
Acq On : 21 Oct 2025 09:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 01:20:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	499961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	698196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	642915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	341616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	203881	48.767	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.540%			
35) Dibromofluoromethane	7.640	113	231392	53.936	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.880%			
50) Toluene-d8	10.109	98	850239	53.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.440%			
62) 4-Bromofluorobenzene	12.408	95	283018	53.656	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	161266	44.813	ug/l	99
3) Chloromethane	2.074	50	225042	45.905	ug/l	98
4) Vinyl Chloride	2.208	62	302535	47.380	ug/l	98
5) Bromomethane	2.599	94	256539	47.876	ug/l	99
6) Chloroethane	2.739	64	223248	51.292	ug/l	98
7) Trichlorofluoromethane	3.062	101	441619	49.812	ug/l	100
8) Diethyl Ether	3.458	74	116040	50.089	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	245222	53.302	ug/l	100
10) Methyl Iodide	4.013	142	289234	56.473	ug/l	100
11) Tert butyl alcohol	4.848	59	86251	277.313	ug/l	97
12) 1,1-Dichloroethene	3.793	96	227578	51.029	ug/l	97
13) Acrolein	3.653	56	37204	84.654	ug/l	97
14) Allyl chloride	4.391	41	261207	48.058	ug/l	97
15) Acrylonitrile	5.062	53	233934	263.862	ug/l	99
16) Acetone	3.867	43	282507	283.840	ug/l	100
17) Carbon Disulfide	4.110	76	629852	49.345	ug/l	99
18) Methyl Acetate	4.385	43	151375	57.978	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	557973	52.056	ug/l	97
20) Methylene Chloride	4.616	84	254490	47.285	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	259786	52.909	ug/l	97
22) Diisopropyl ether	6.025	45	622406	51.770	ug/l	98
23) Vinyl Acetate	5.964	43	1615658	248.276	ug/l	96
24) 1,1-Dichloroethane	5.921	63	420141	52.756	ug/l	98
25) 2-Butanone	6.897	43	310606	255.620	ug/l	99
26) 2,2-Dichloropropane	6.890	77	391432	53.566	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	307121	54.150	ug/l	96
28) Bromochloromethane	7.250	49	134434	45.218	ug/l	95
29) Tetrahydrofuran	7.262	42	171000	248.167	ug/l	94
30) Chloroform	7.427	83	479911	54.848	ug/l	100
31) Cyclohexane	7.707	56	321670	46.252	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	429628	54.031	ug/l	100
36) 1,1-Dichloropropene	7.841	75	318835	56.137	ug/l	100
37) Ethyl Acetate	6.988	43	120965	53.760	ug/l	99
38) Carbon Tetrachloride	7.823	117	392576	57.004	ug/l	98
39) Methylcyclohexane	9.110	83	396680	53.642	ug/l	100
40) Benzene	8.085	78	1010667	56.189	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023521.D
Acq On : 21 Oct 2025 09:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 01:20:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	56462	46.396	ug/l	#	88
42) 1,2-Dichloroethane	8.159	62	251229	54.158	ug/l		98
43) Isopropyl Acetate	8.201	43	231909	51.687	ug/l	#	85
44) Trichloroethene	8.866	130	294037	55.852	ug/l		99
45) 1,2-Dichloropropane	9.140	63	223488	56.253	ug/l		98
46) Dibromomethane	9.232	93	146935	58.489	ug/l		98
47) Bromodichloromethane	9.427	83	364567	57.621	ug/l		98
48) Methyl methacrylate	9.225	41	110852	52.590	ug/l		94
49) 1,4-Dioxane	9.225	88	30619	1051.234	ug/l		97
51) 4-Methyl-2-Pentanone	10.000	43	649884	280.345	ug/l		99
52) Toluene	10.170	92	675233	57.818	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	307992	55.984	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	366195	56.399	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	198692	58.815	ug/l		95
56) Ethyl methacrylate	10.439	69	222590	57.121	ug/l		97
57) 1,3-Dichloropropane	10.719	76	307111	57.370	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	488816	280.014	ug/l		99
59) 2-Hexanone	10.762	43	472202	285.033	ug/l		99
60) Dibromochloromethane	10.914	129	281057	59.341	ug/l		100
61) 1,2-Dibromoethane	11.018	107	187844	58.304	ug/l		100
64) Tetrachloroethene	10.646	164	369674	55.688	ug/l		99
65) Chlorobenzene	11.445	112	759409	54.309	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	280381	56.268	ug/l		99
67) Ethyl Benzene	11.518	91	1261040	55.713	ug/l		99
68) m/p-Xylenes	11.627	106	1027756	113.207	ug/l		99
69) o-Xylene	11.957	106	475420	55.830	ug/l		99
70) Styrene	11.969	104	810694	57.893	ug/l		99
71) Bromoform	12.133	173	173149	56.019	ug/l	#	98
73) Isopropylbenzene	12.255	105	1243608	55.240	ug/l		100
74) N-amyl acetate	12.072	43	202085	49.976	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	195187	53.009	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	151087m	50.129	ug/l		
77) Bromobenzene	12.530	156	324603	54.235	ug/l		99
78) n-propylbenzene	12.597	91	1457896	55.961	ug/l		99
79) 2-Chlorotoluene	12.682	91	830894	54.463	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1026971	56.451	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	61955	50.407	ug/l		99
82) 4-Chlorotoluene	12.780	91	868701	55.289	ug/l		100
83) tert-Butylbenzene	12.999	119	937982	55.842	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1024486	56.428	ug/l		100
85) sec-Butylbenzene	13.176	105	1359841	56.437	ug/l		100
86) p-Isopropyltoluene	13.292	119	1176613	57.354	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	644461	55.296	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	619278	53.800	ug/l		100
89) n-Butylbenzene	13.615	91	1006298	56.295	ug/l		99
90) Hexachloroethane	13.877	117	238499	54.052	ug/l		99
91) 1,2-Dichlorobenzene	13.658	146	558110	54.620	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	29948	49.569	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	335488	52.665	ug/l		99
94) Hexachlorobutadiene	15.023	225	215262	54.210	ug/l		100
95) Naphthalene	15.145	128	523602	51.618	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	288040	52.203	ug/l		99

Sample Results: **VY023521.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023521.D
Acq On : 21 Oct 2025 09:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 01:20:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

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

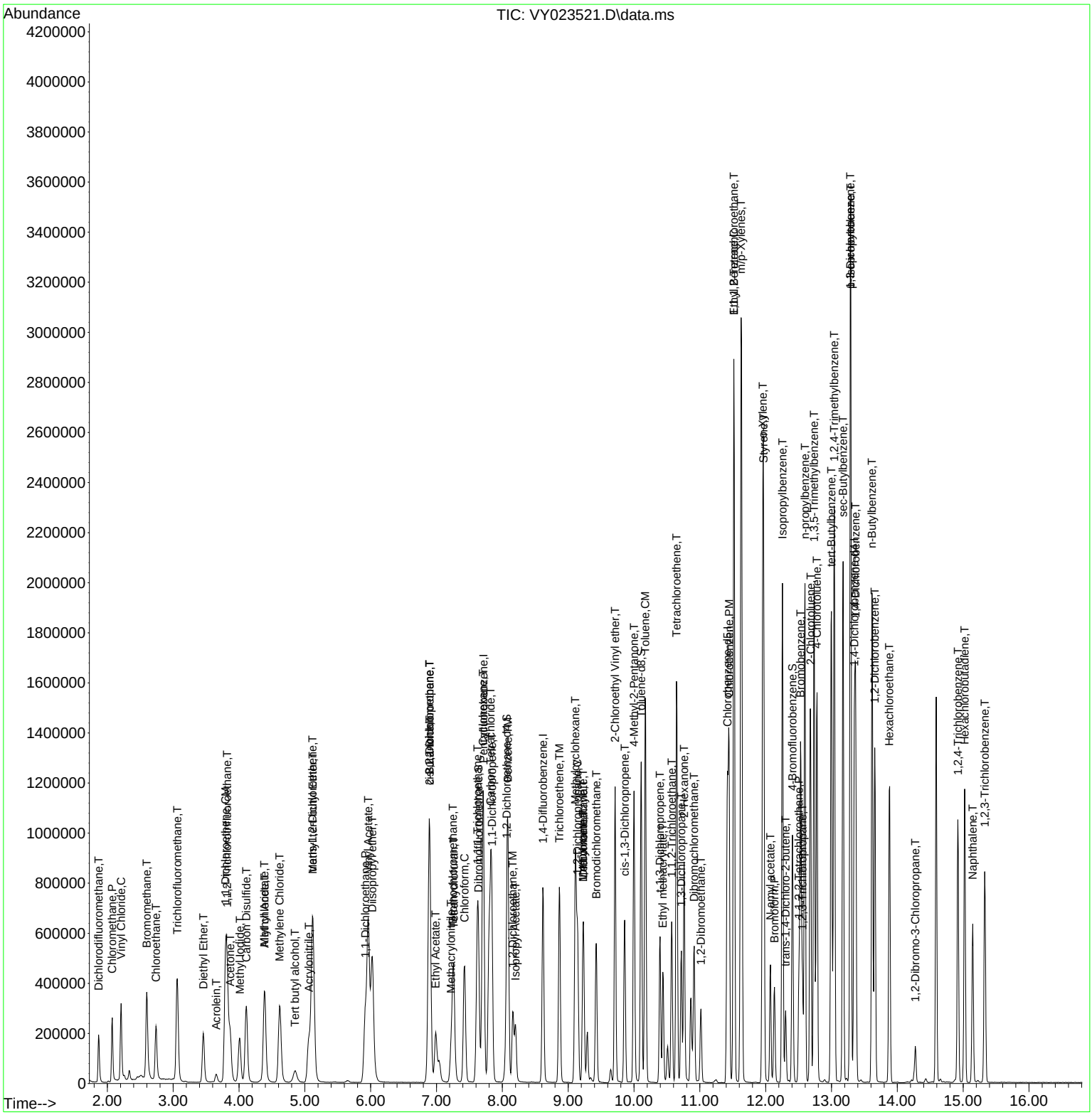
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Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

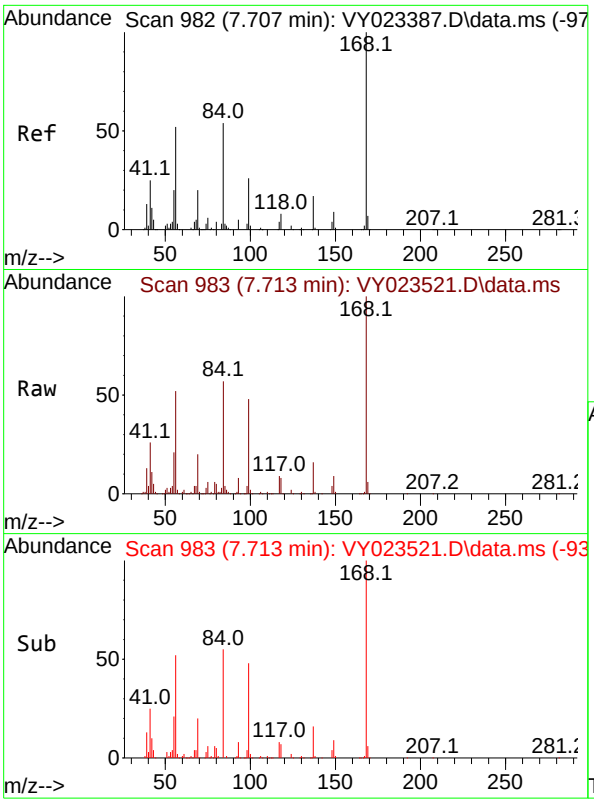
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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

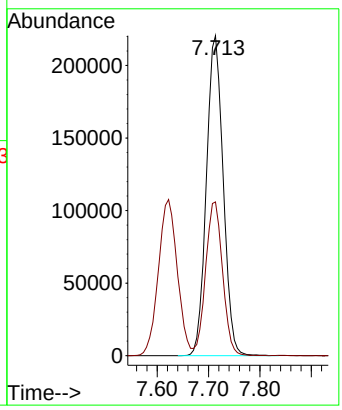




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:168 Resp: 49996

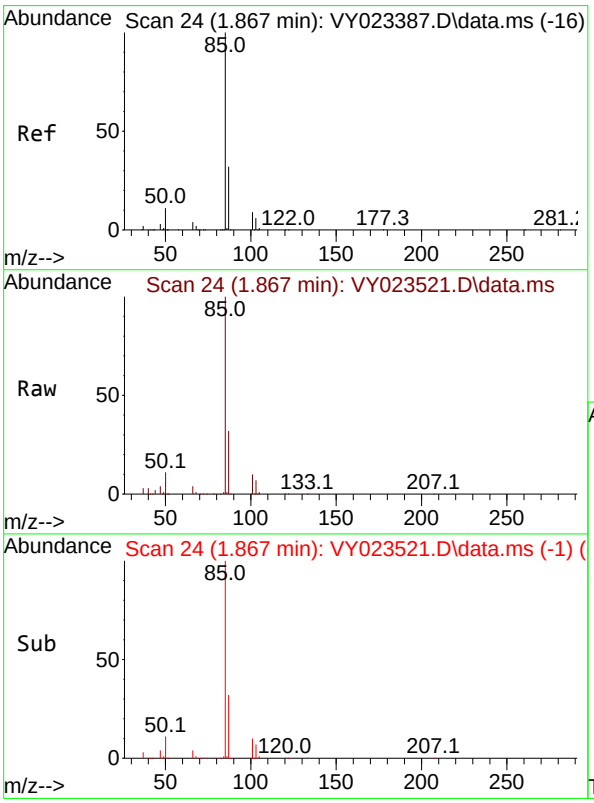
Ion	Ratio	Lower	Upper
168	100		
99	47.9	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

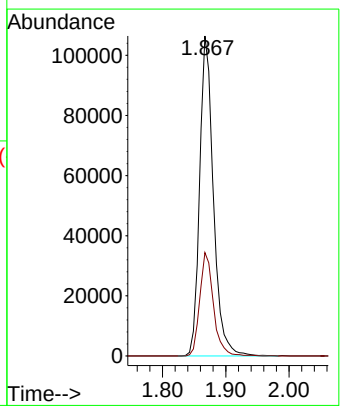
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

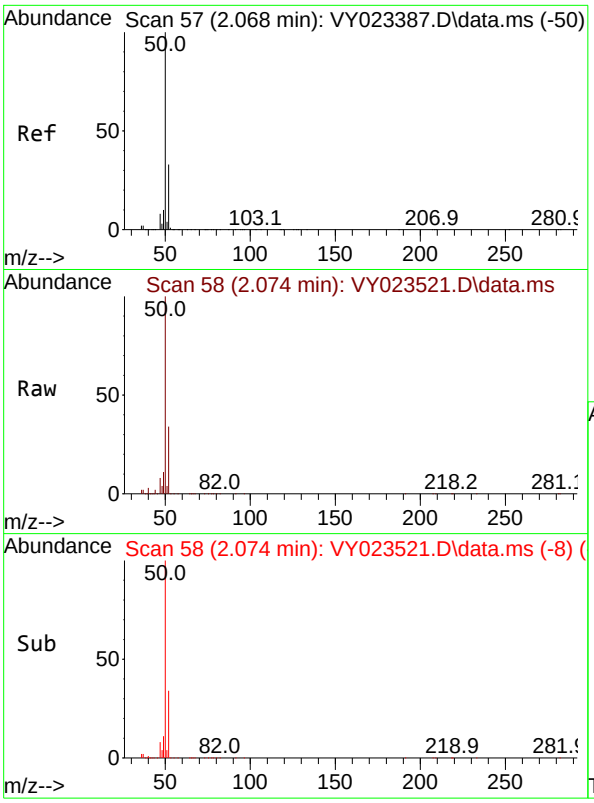


#2
Dichlorodifluoromethane
Concen: 44.813 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 85 Resp: 161266

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.0	47.9

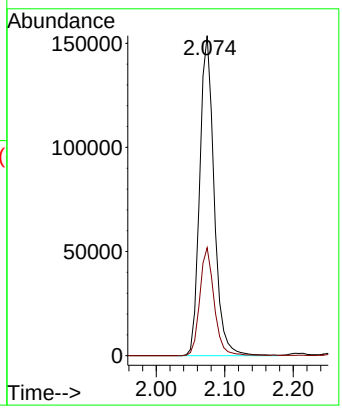




#3
Chloromethane
Concen: 45.905 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 50 Resp: 22504

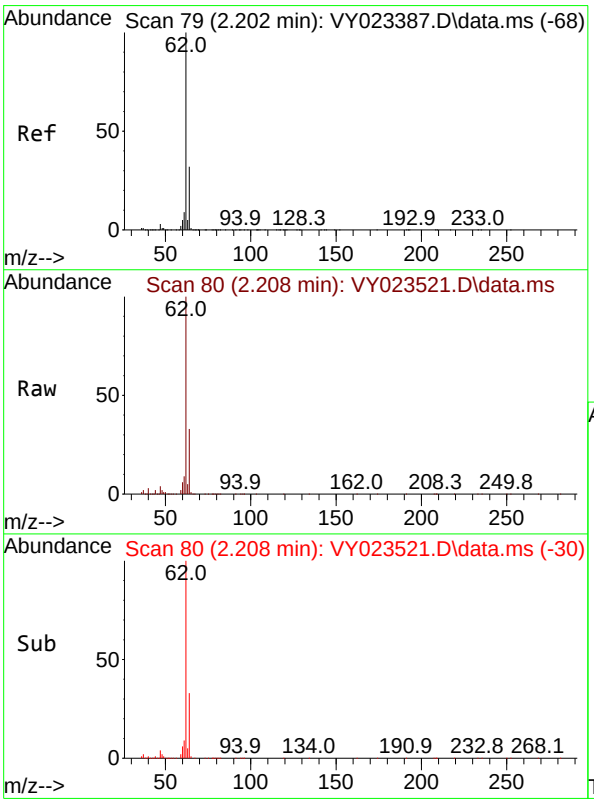
Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

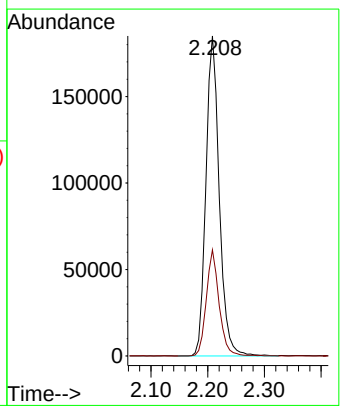
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

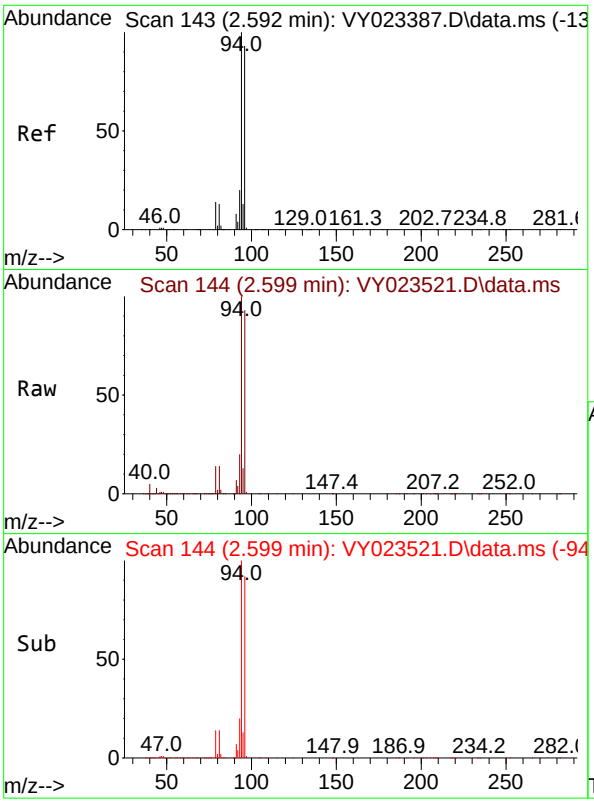


#4
Vinyl Chloride
Concen: 47.380 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 62 Resp: 302535

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.8	38.8

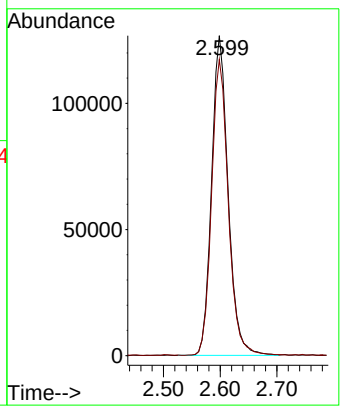




#5
Bromomethane
Concen: 47.876 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 94 Resp: 25653

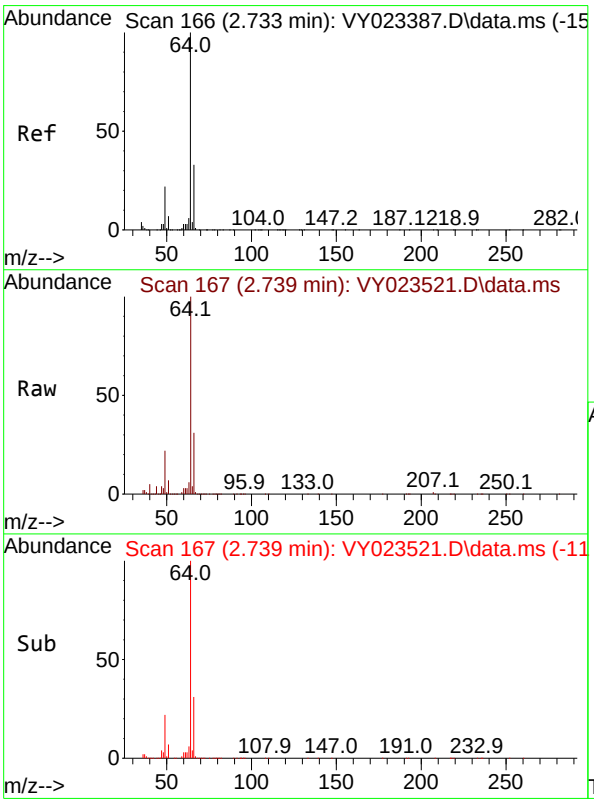
Ion	Ratio	Lower	Upper
94	100		
96	92.4	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

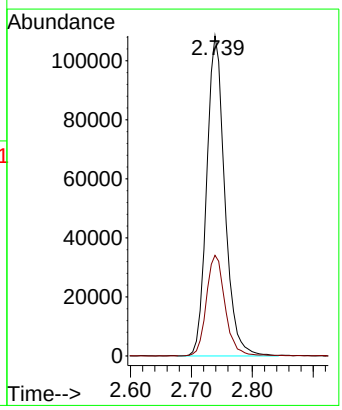
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

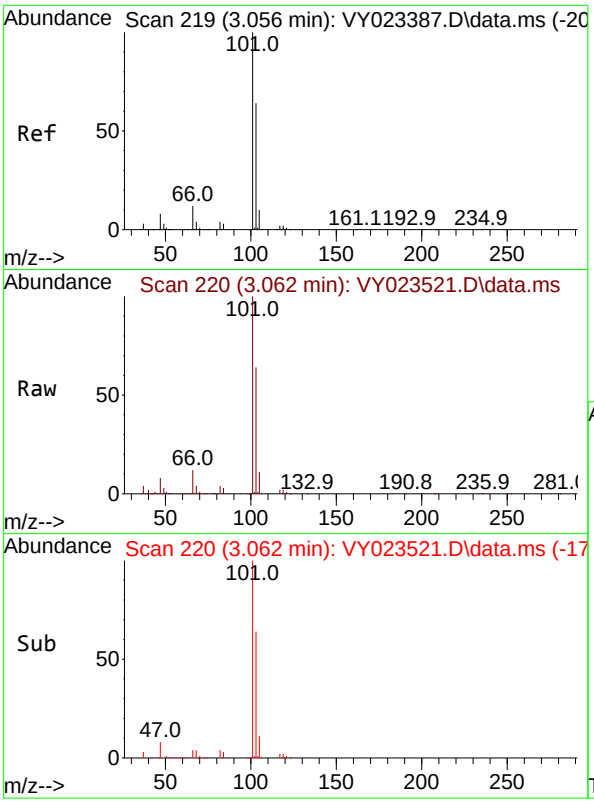


#6
Chloroethane
Concen: 51.292 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 64 Resp: 223248

Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.2	39.4

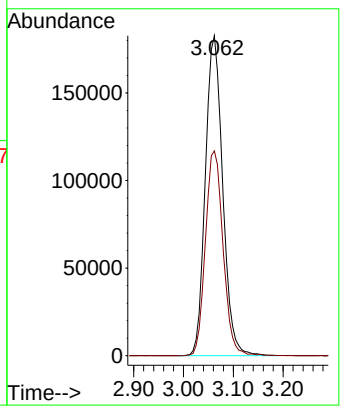




#7
Trichlorofluoromethane
Concen: 49.812 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:101 Resp: 44161

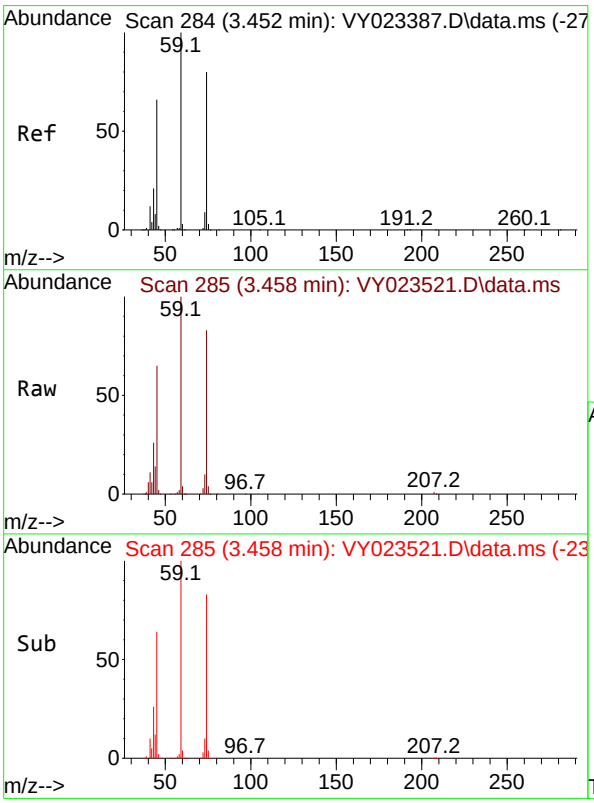
Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

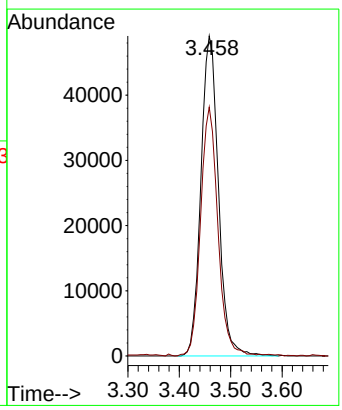
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

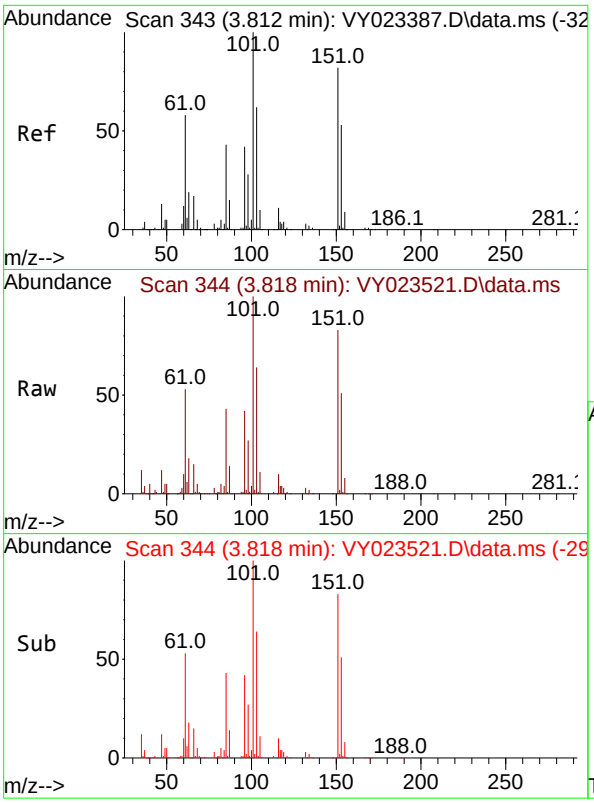


#8
Diethyl Ether
Concen: 50.089 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 74 Resp: 116040

Ion	Ratio	Lower	Upper
74	100		
45	77.2	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.302 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

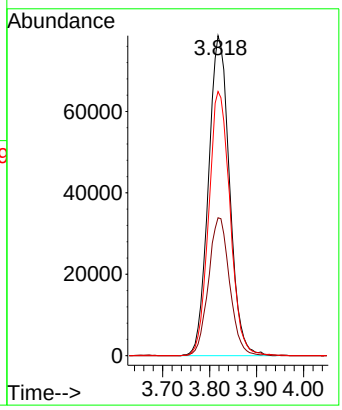
Tgt Ion:101 Resp: 24522

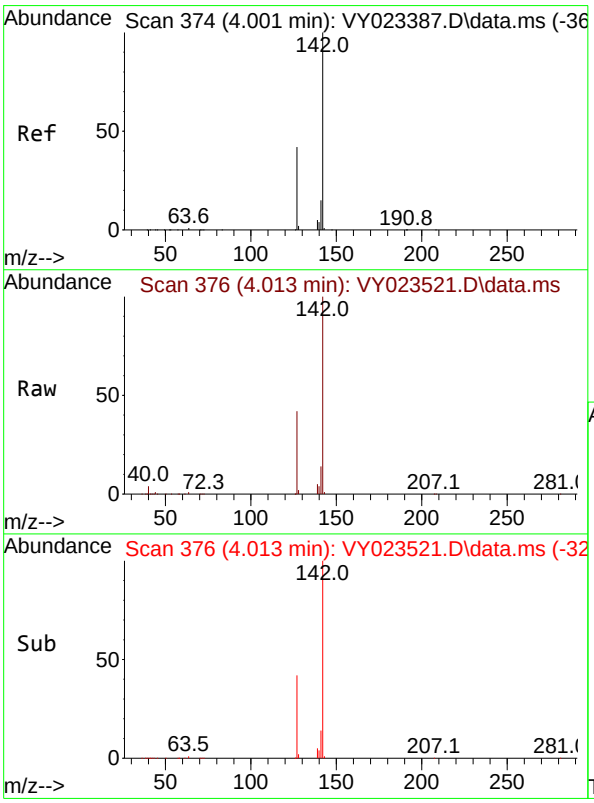
Ion	Ratio	Lower	Upper
101	100		
85	43.3	34.6	51.8
151	83.4	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

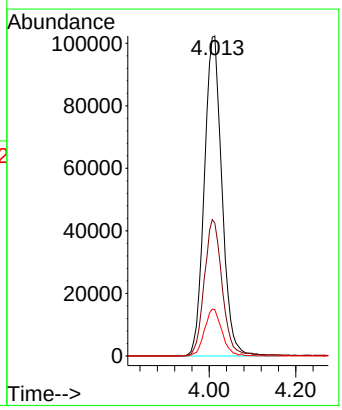


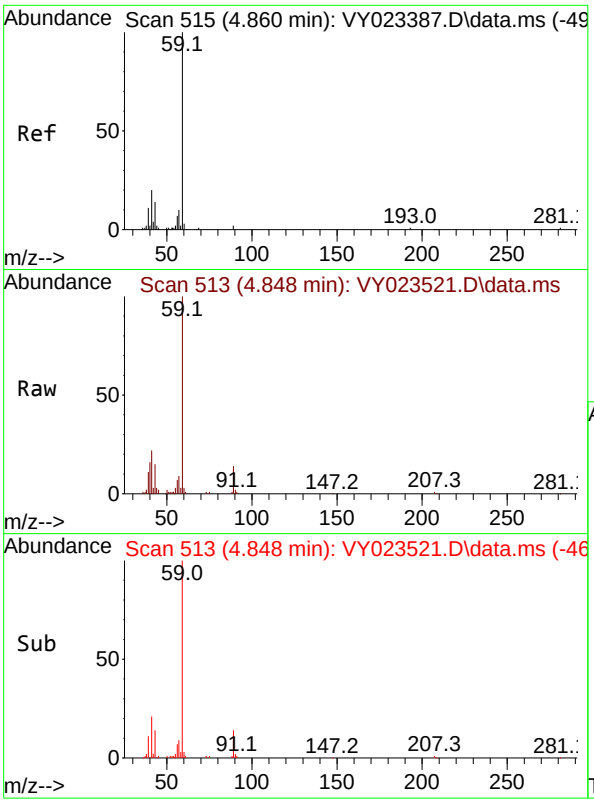


#10
Methyl Iodide
Concen: 56.473 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:142 Resp: 289234

Ion	Ratio	Lower	Upper
142	100		
127	43.4	34.8	52.2
141	14.5	11.6	17.4





#11
Tert butyl alcohol
Concen: 277.313 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

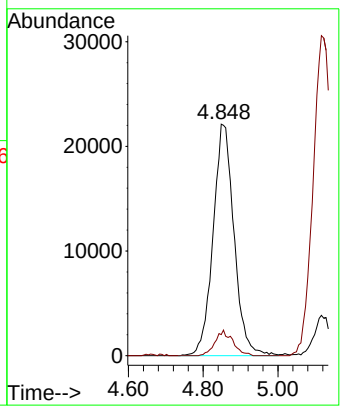
Tgt Ion: 59 Resp: 8625

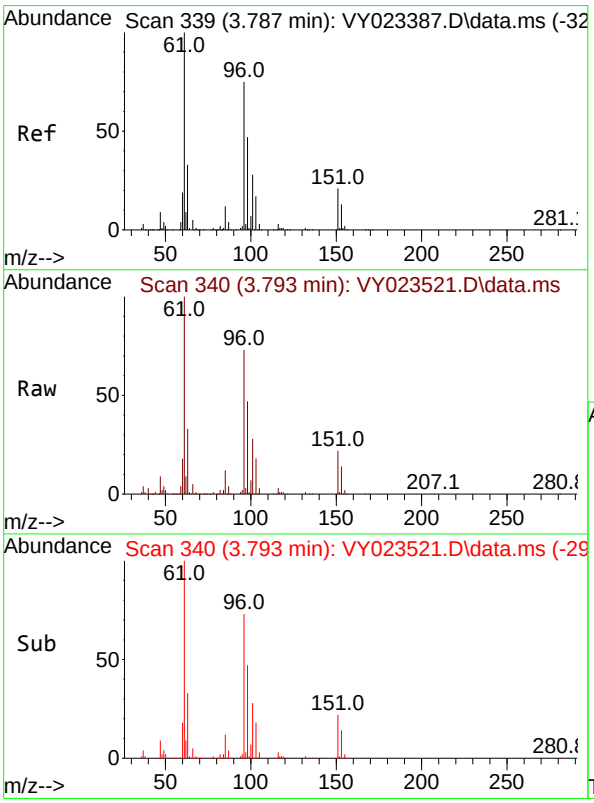
Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.3	12.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

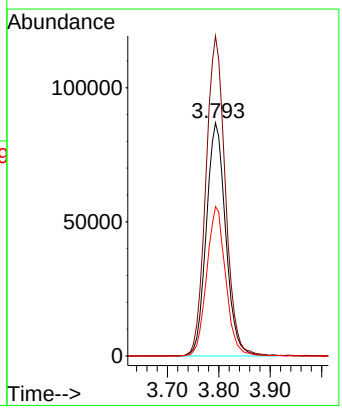


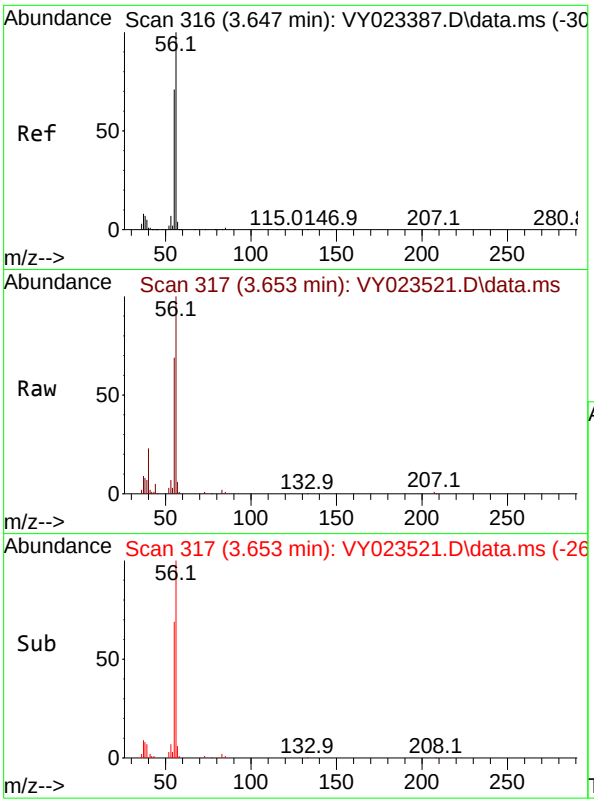


#12
1,1-Dichloroethene
Concen: 51.029 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 96 Resp: 227578

Ion	Ratio	Lower	Upper
96	100		
61	137.2	106.7	160.1
98	64.0	50.2	75.4

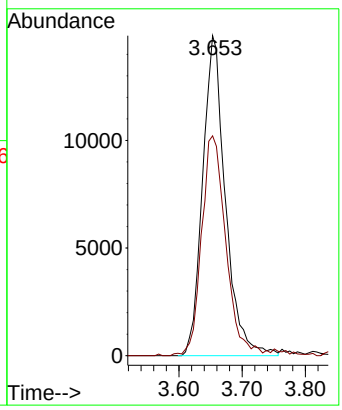




#13
Acrolein
Concen: 84.654 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 56 Resp: 3720

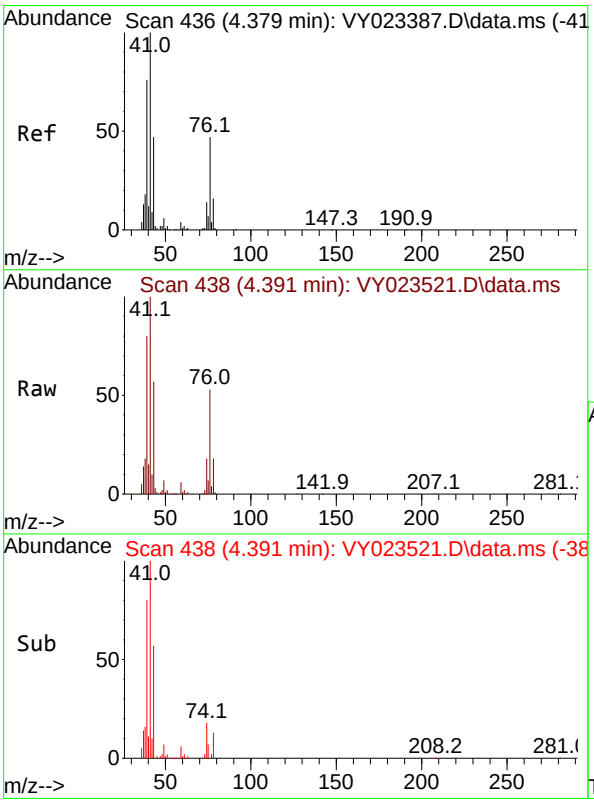
Ion	Ratio	Lower	Upper
56	100		
55	72.9	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

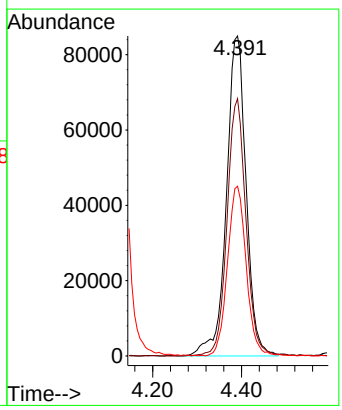
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

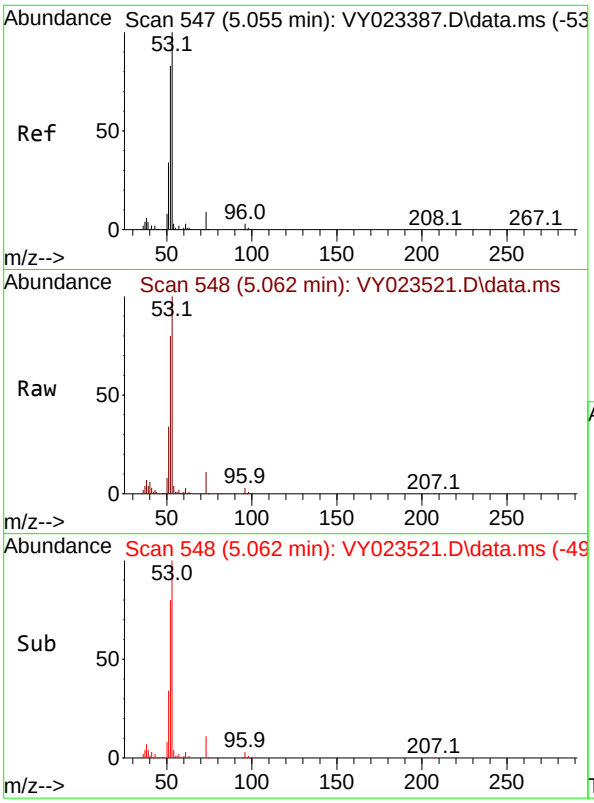


#14
Allyl chloride
Concen: 48.058 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 41 Resp: 261207

Ion	Ratio	Lower	Upper
41	100		
39	77.4	59.9	89.9
76	50.3	38.0	57.0





#15
Acrylonitrile
Concen: 263.862 ug/l
RT: 5.062 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

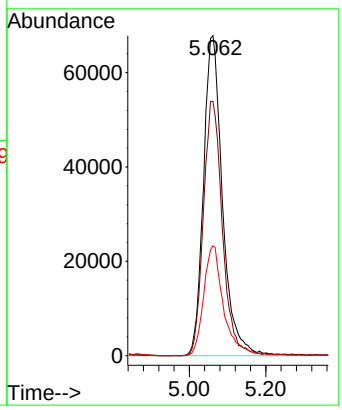
Tgt Ion: 53 Resp: 23393

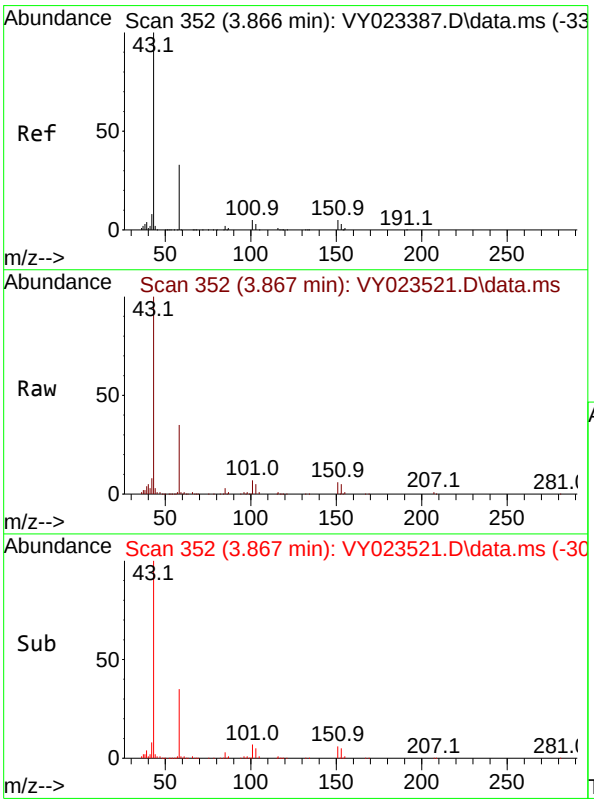
Ion	Ratio	Lower	Upper
53	100		
52	79.4	64.6	97.0
51	36.1	29.5	44.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

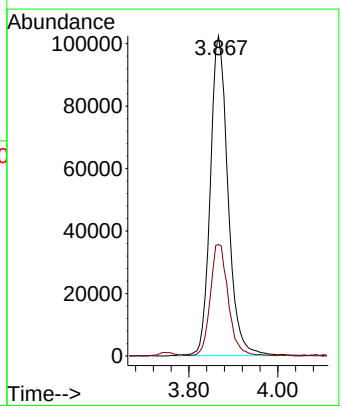


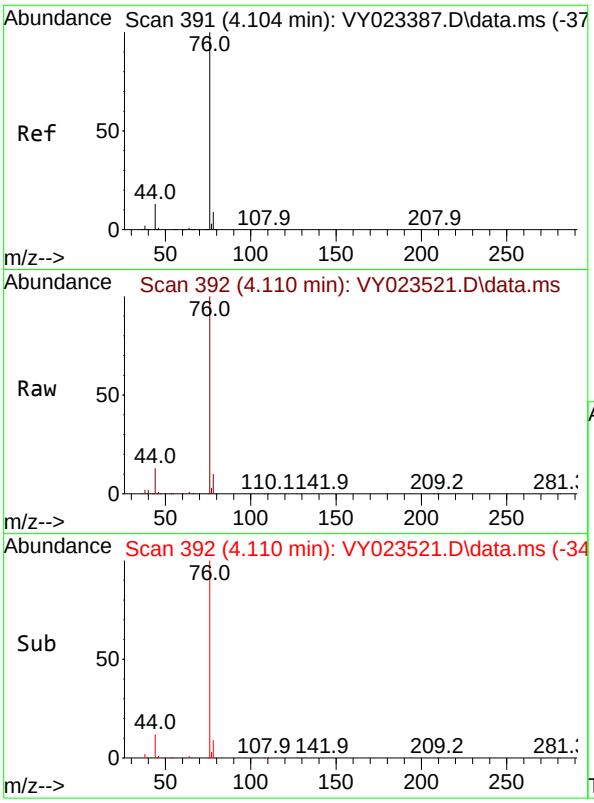


#16
Acetone
Concen: 283.840 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 43 Resp: 282507

Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.7	41.5





#17
Carbon Disulfide
Concen: 49.345 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

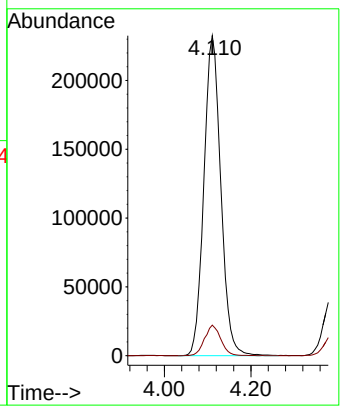
Tgt Ion: 76 Resp: 62985

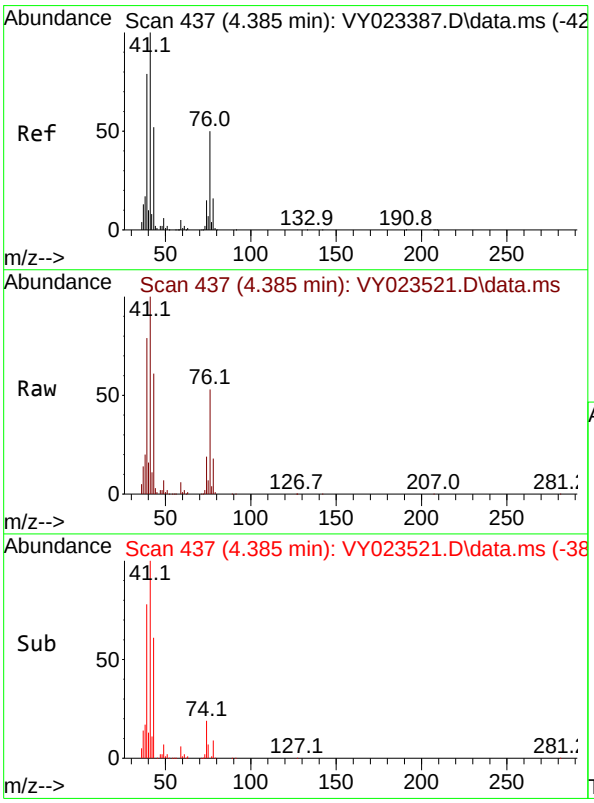
Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

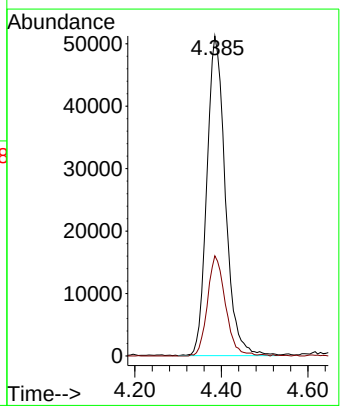


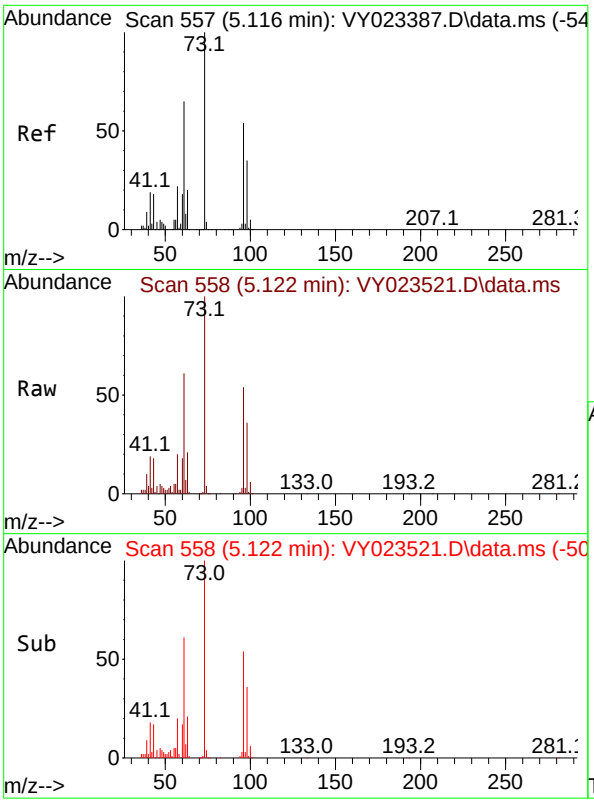


#18
Methyl Acetate
Concen: 57.978 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 43 Resp: 151375

Ion	Ratio	Lower	Upper
43	100		
74	30.5	24.2	36.4

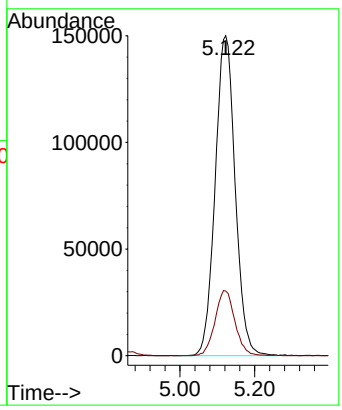




#19
Methyl tert-butyl Ether
Concen: 52.056 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 73 Resp: 55797

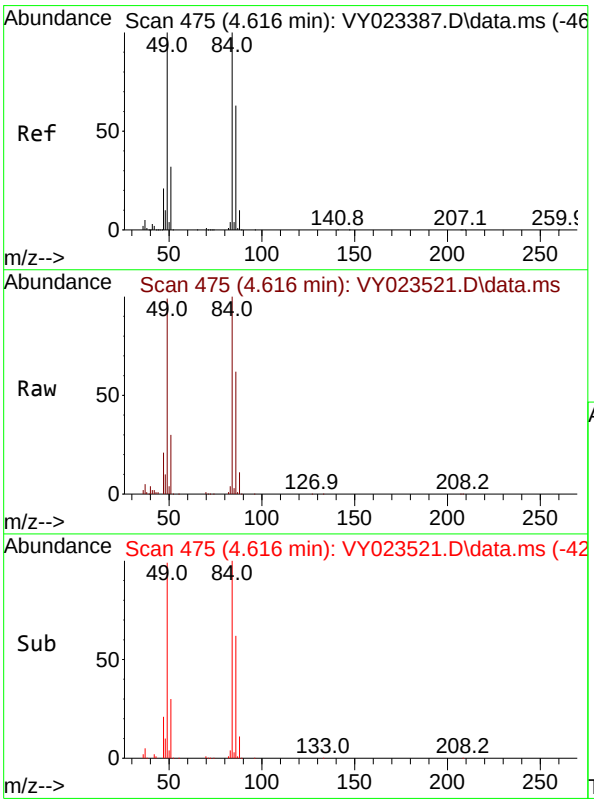
Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

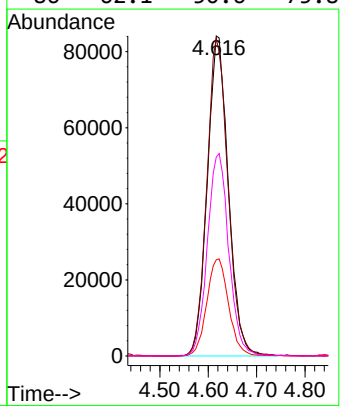
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

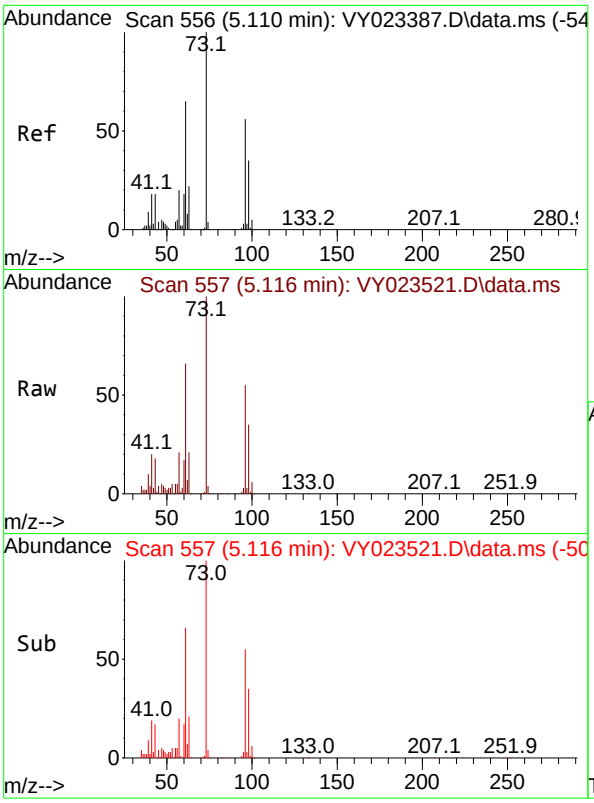


#20
Methylene Chloride
Concen: 47.285 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 84 Resp: 254490

Ion	Ratio	Lower	Upper
84	100		
49	99.2	80.2	120.4
51	30.0	25.9	38.9
86	62.1	50.6	75.8

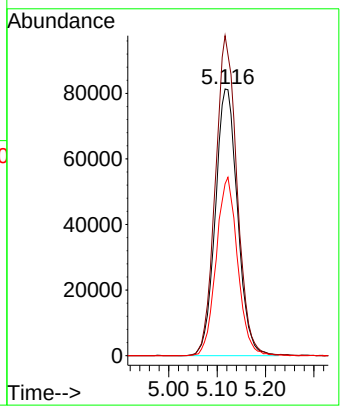




#21
trans-1,2-Dichloroethene
Concen: 52.909 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 96 Resp: 25978

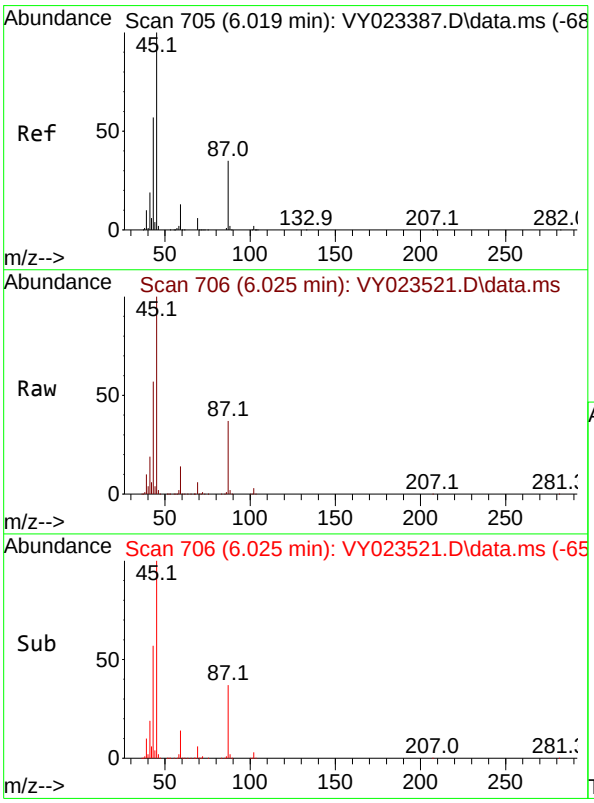
Ion	Ratio	Lower	Upper
96	100		
61	120.0	92.7	139.1
98	64.4	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

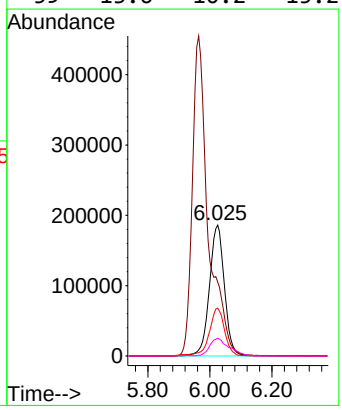
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

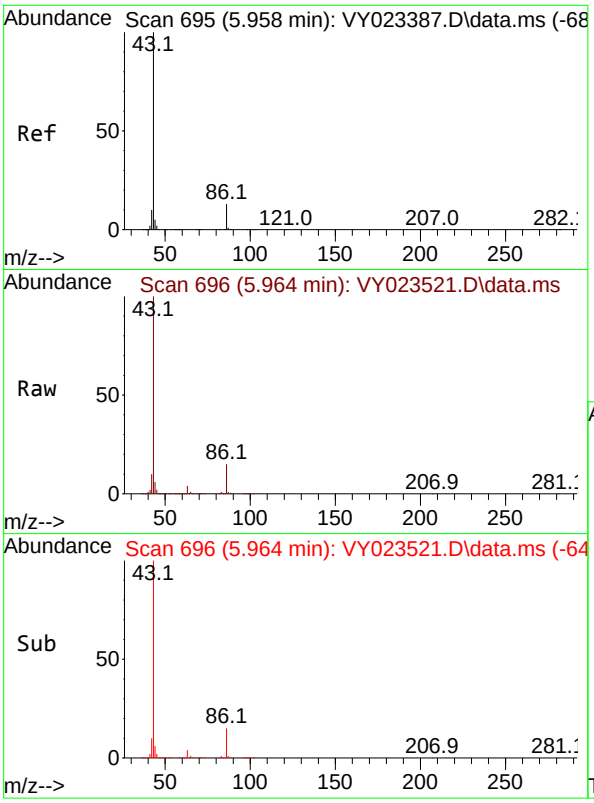


#22
Diisopropyl ether
Concen: 51.770 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 45 Resp: 622406

Ion	Ratio	Lower	Upper
45	100		
43	56.3	45.6	68.4
87	36.6	28.1	42.1
59	13.6	10.2	15.2

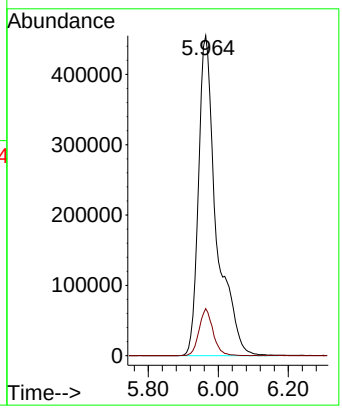




#23
Vinyl Acetate
Concen: 248.276 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 43 Resp: 161565

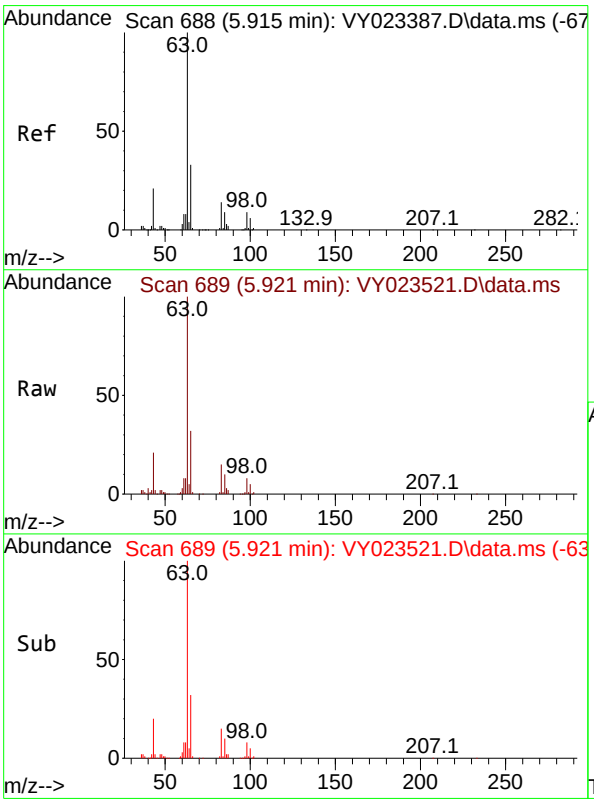
Ion	Ratio	Lower	Upper
43	100		
86	14.7	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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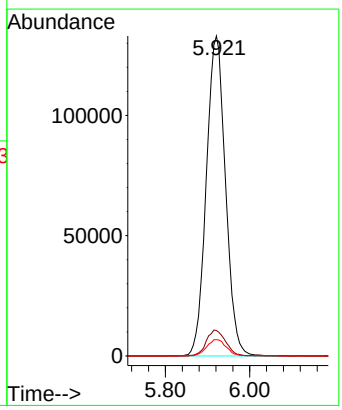
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

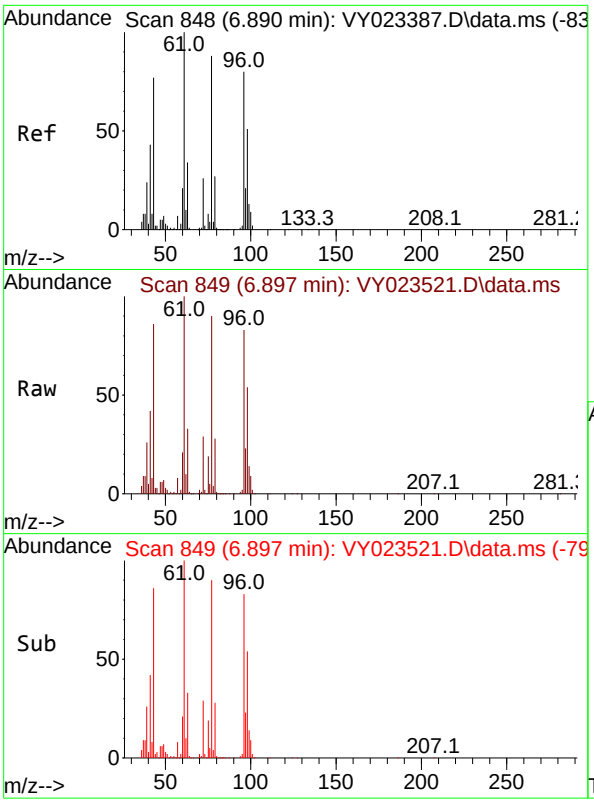


#24
1,1-Dichloroethane
Concen: 52.756 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 63 Resp: 420141

Ion	Ratio	Lower	Upper
63	100		
98	8.0	4.3	13.1
100	5.1	2.8	8.4





#25
2-Butanone
Concen: 255.620 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

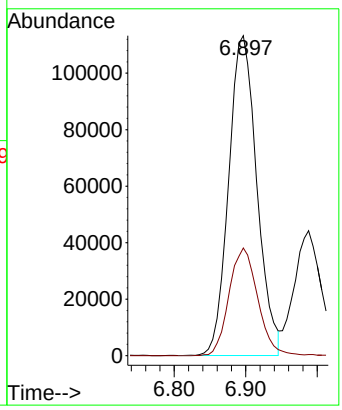
Tgt Ion: 43 Resp: 31060

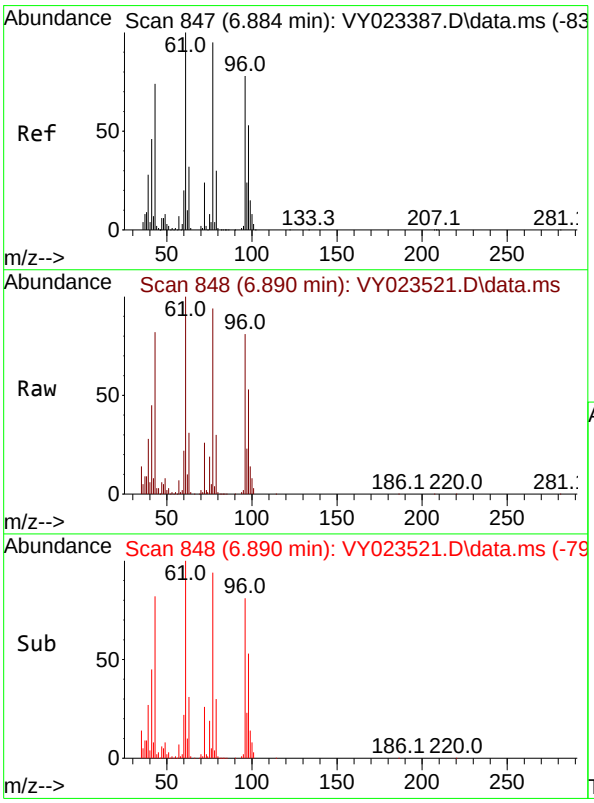
Ion	Ratio	Lower	Upper
43	100		
72	33.6	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

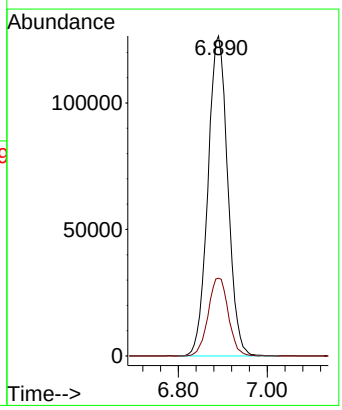


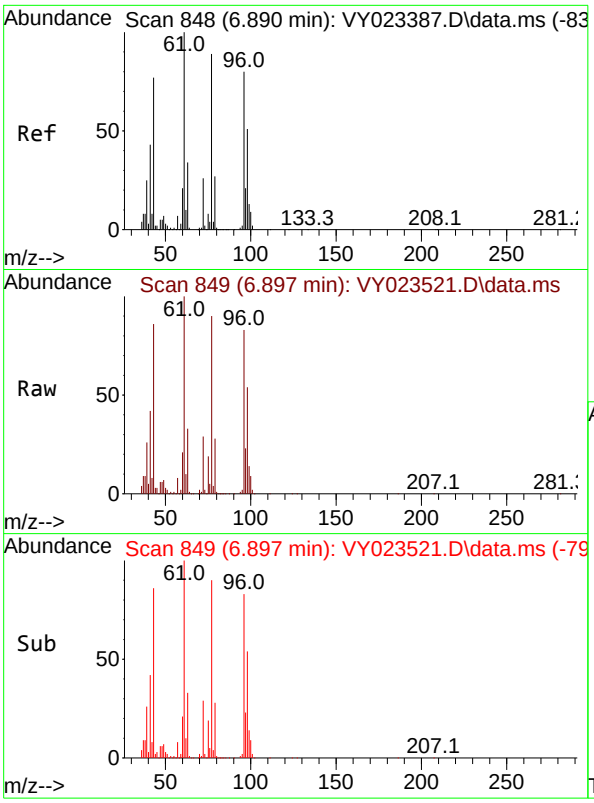


#26
2,2-Dichloropropane
Concen: 53.566 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 77 Resp: 391432

Ion	Ratio	Lower	Upper
77	100		
97	24.7	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 54.150 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

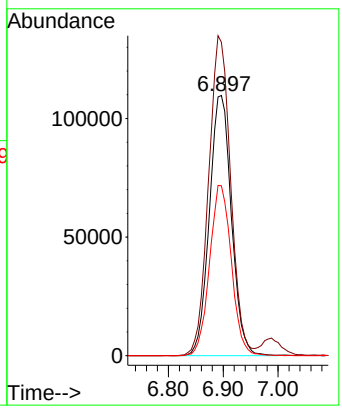
Tgt Ion: 96 Resp: 30712

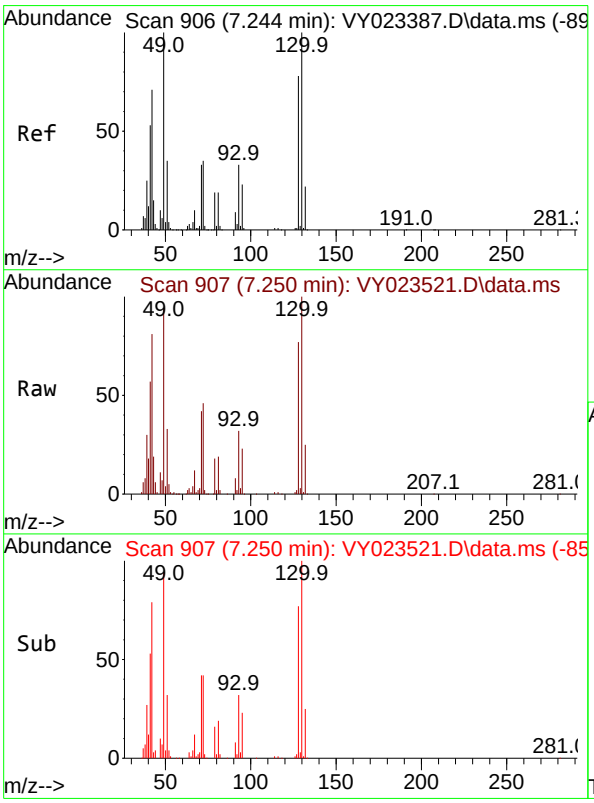
Ion	Ratio	Lower	Upper
96	100		
61	122.6	0.0	258.2
98	64.6	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

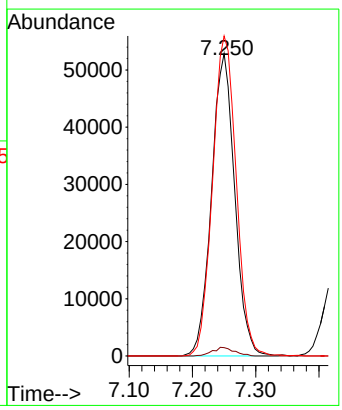


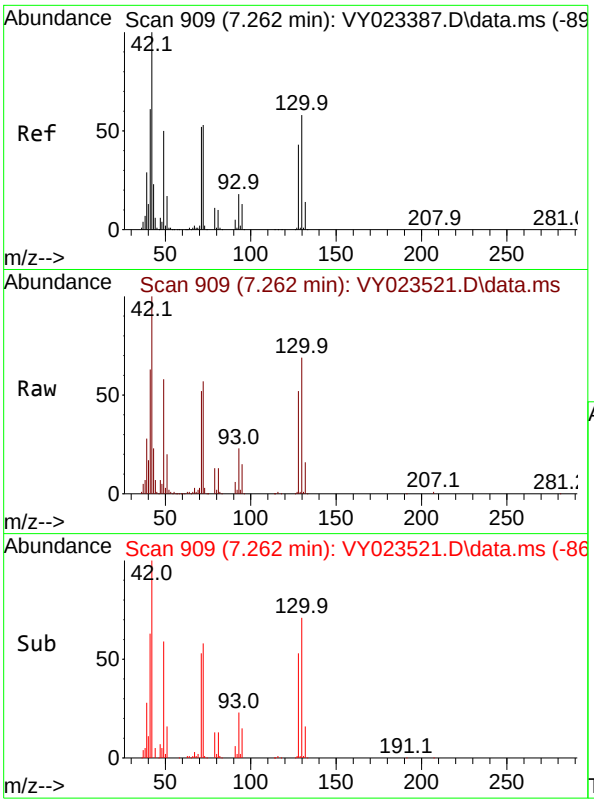


#28
Bromochloromethane
Concen: 45.218 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 49 Resp: 134434

Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.6
130	107.8	81.9	122.9





#29
Tetrahydrofuran
Concen: 248.167 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

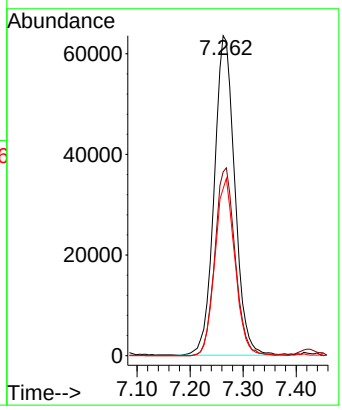
Tgt Ion: 42 Resp: 171000

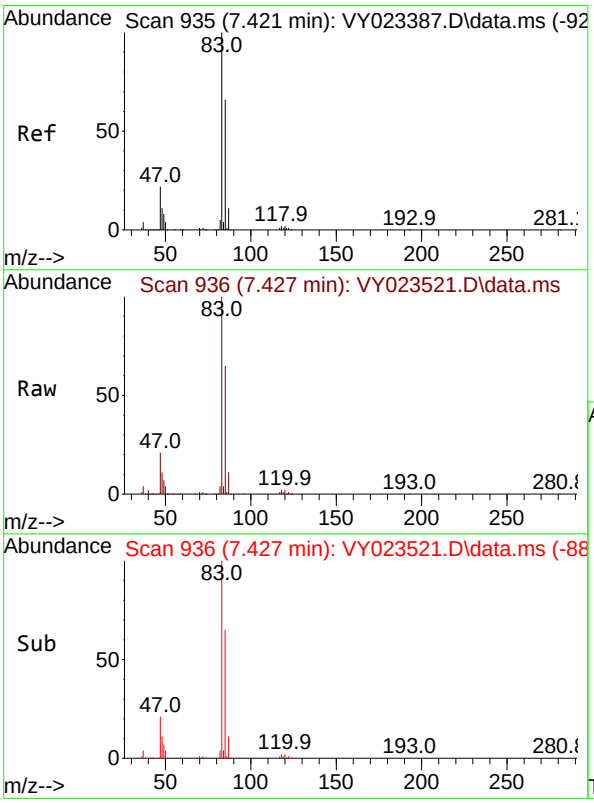
Ion	Ratio	Lower	Upper
42	100		
72	58.1	43.0	64.6
71	54.0	40.1	60.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

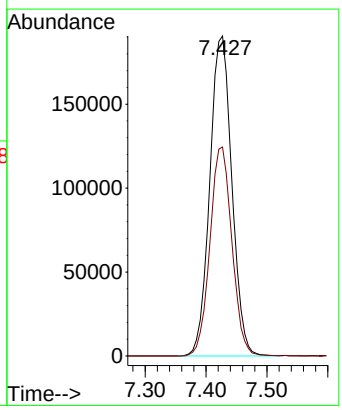


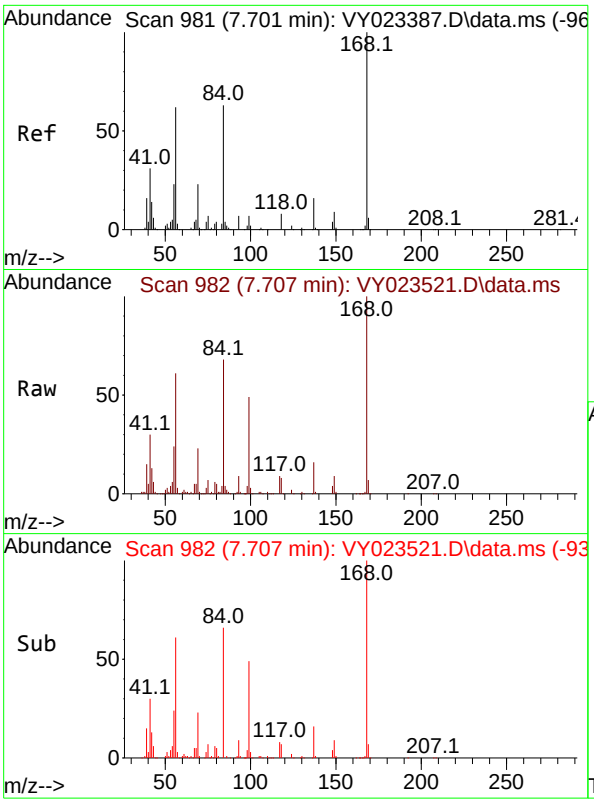


#30
Chloroform
Concen: 54.848 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 83 Resp: 479911

Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.5	78.7

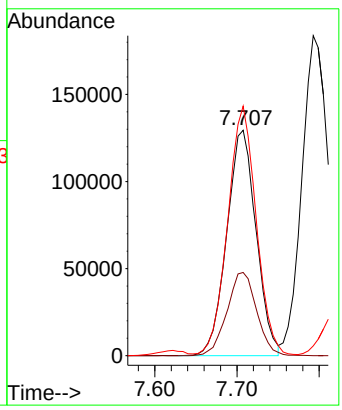




#31
Cyclohexane
Concen: 46.252 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 56 Resp: 32167

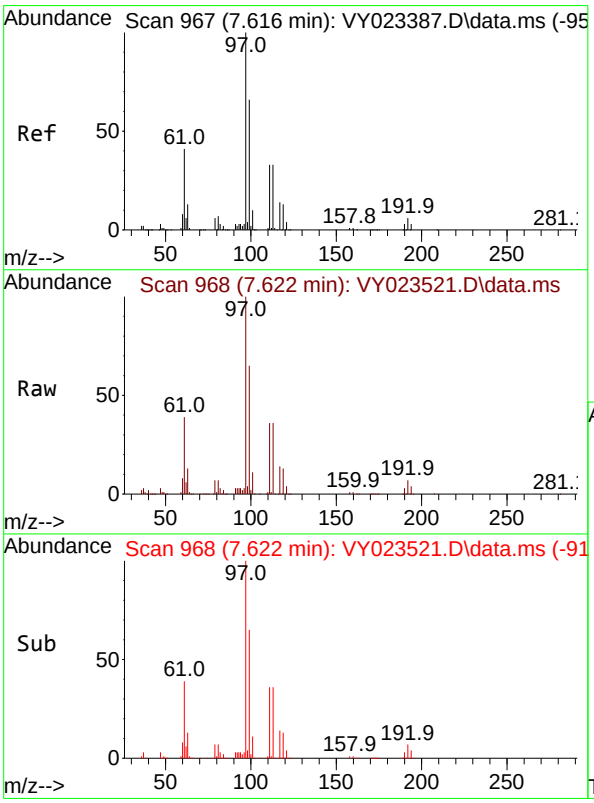
Ion	Ratio	Lower	Upper
56	100		
69	36.9	30.0	45.0
84	108.8	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

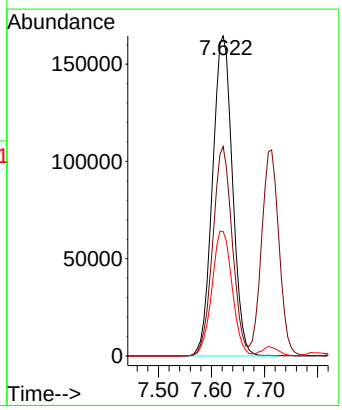
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

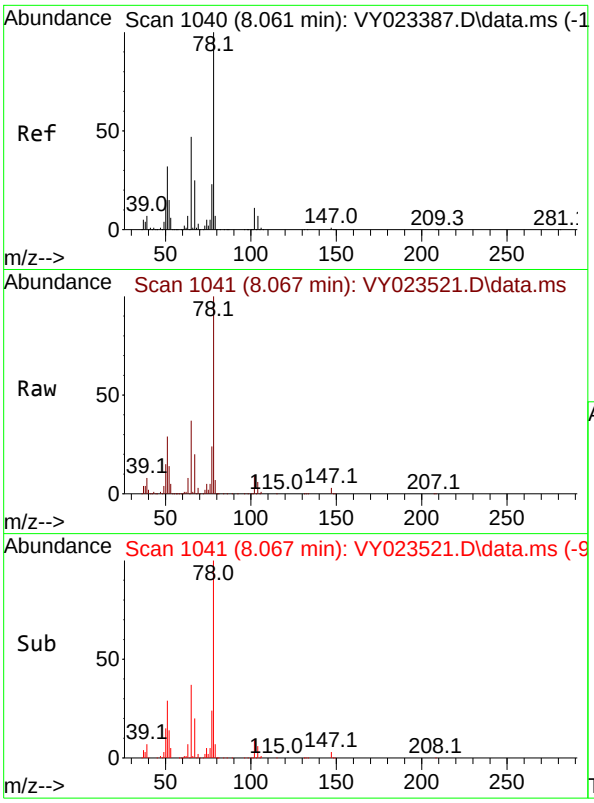


#32
1,1,1-Trichloroethane
Concen: 54.031 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 97 Resp: 429628

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	39.7	31.9	47.9





#33
1,2-Dichloroethane-d4
Concen: 48.767 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

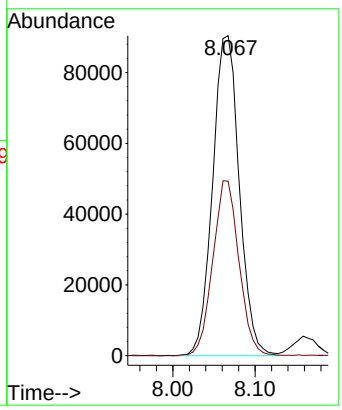
Tgt Ion: 65 Resp: 20388

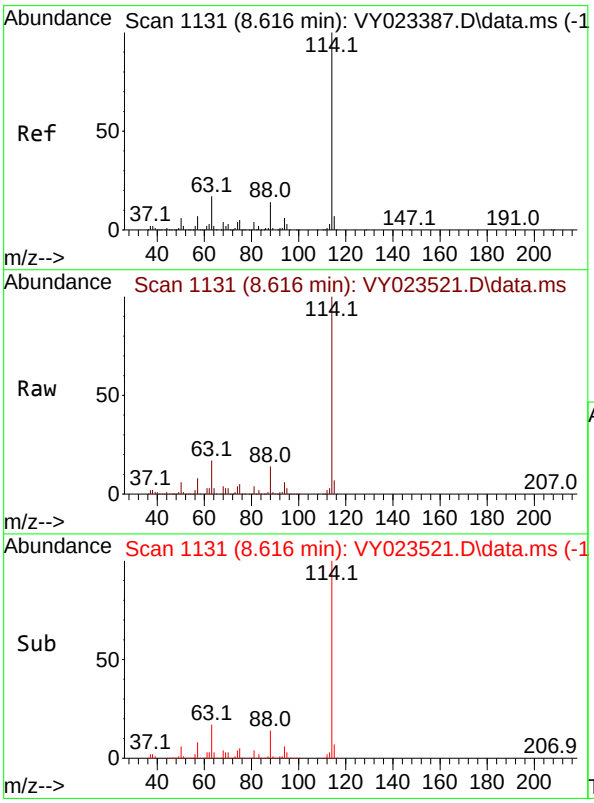
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

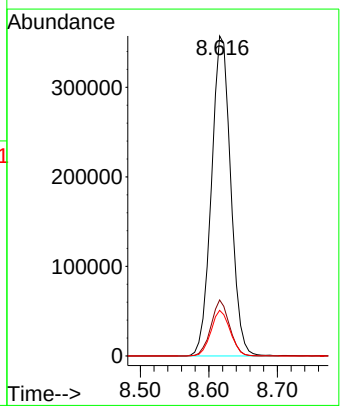


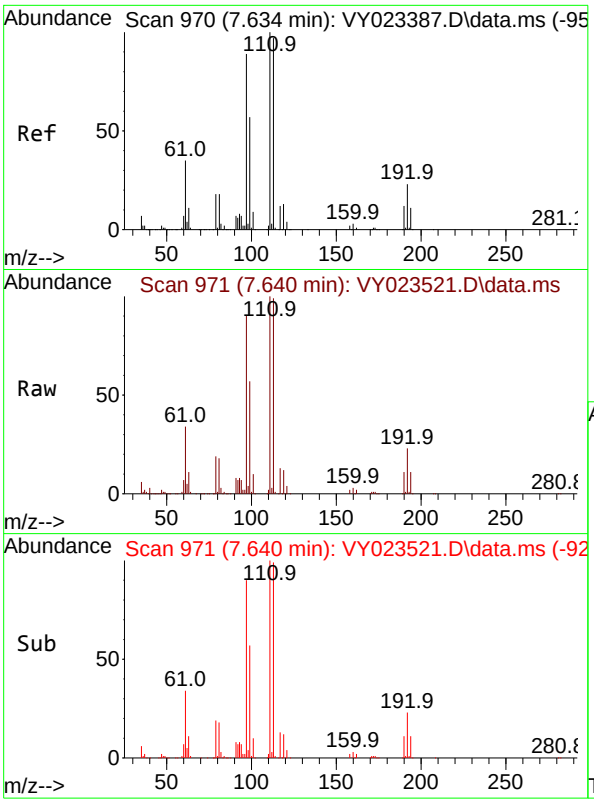


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:114 Resp: 698196

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	34.2
88	14.2	0.0	28.4

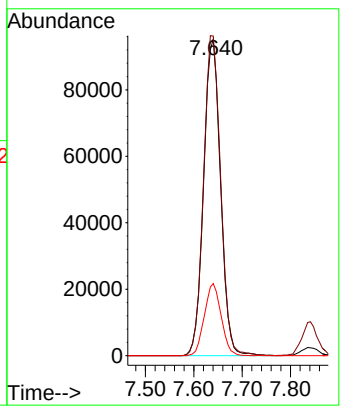




#35
Dibromofluoromethane
Concen: 53.936 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:113 Resp: 23139

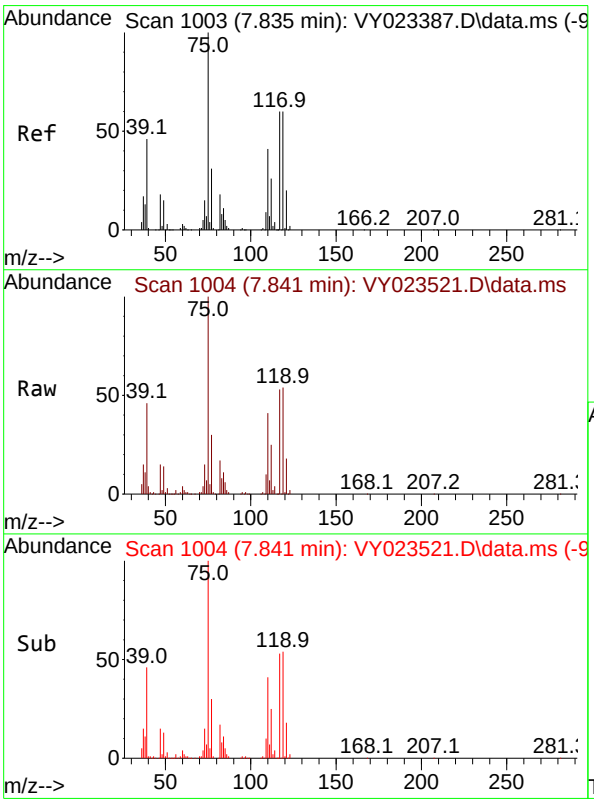
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	22.6	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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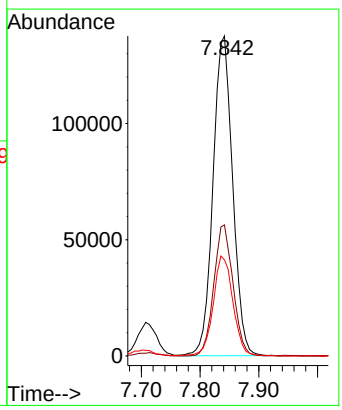
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

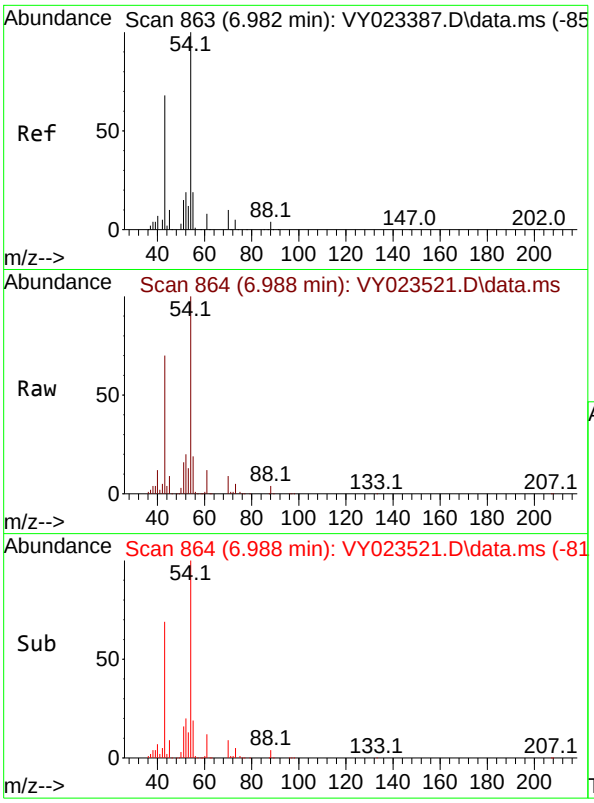


#36
1,1-Dichloropropene
Concen: 56.137 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 75 Resp: 318835

Ion	Ratio	Lower	Upper
75	100		
110	40.1	19.9	59.7
77	31.2	25.0	37.6

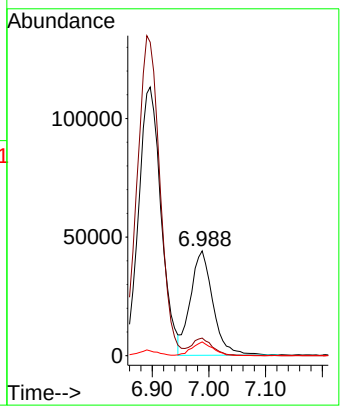




#37
Ethyl Acetate
Concen: 53.760 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 43 Resp: 12096

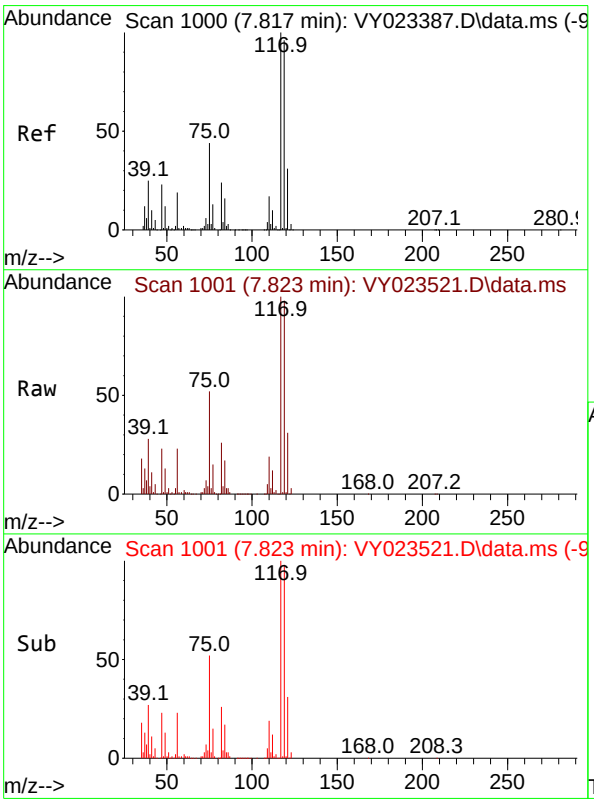
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.8
70	12.5	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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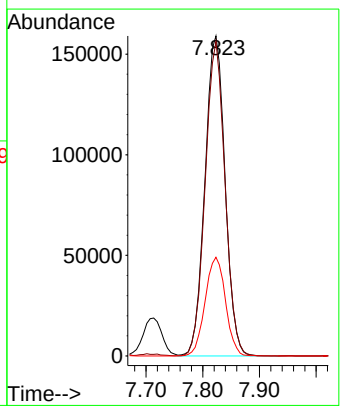
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

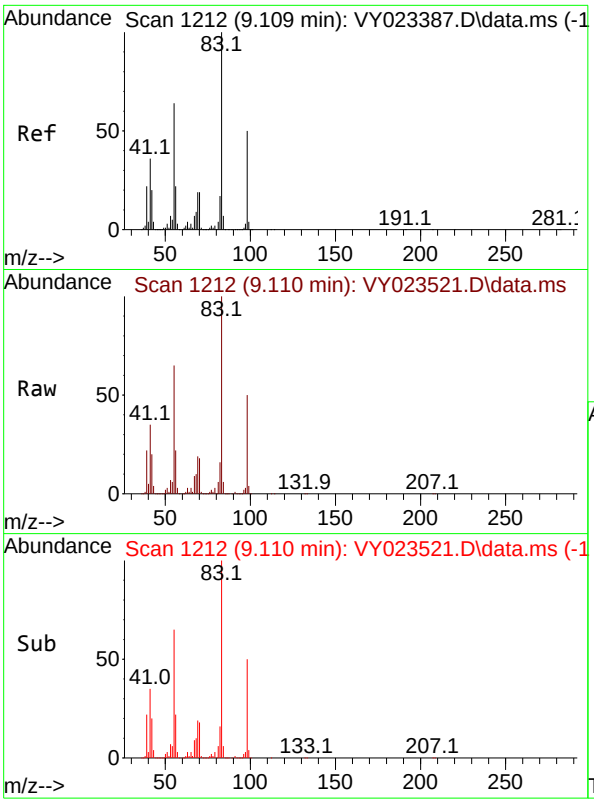


#38
Carbon Tetrachloride
Concen: 57.004 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:117 Resp: 392576

Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.8	115.2
121	30.9	24.5	36.7





#39
Methylcyclohexane
Concen: 53.642 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

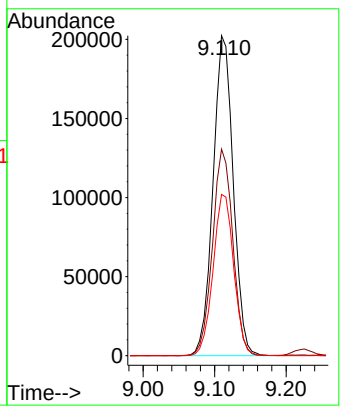
Tgt Ion: 83 Resp: 39668

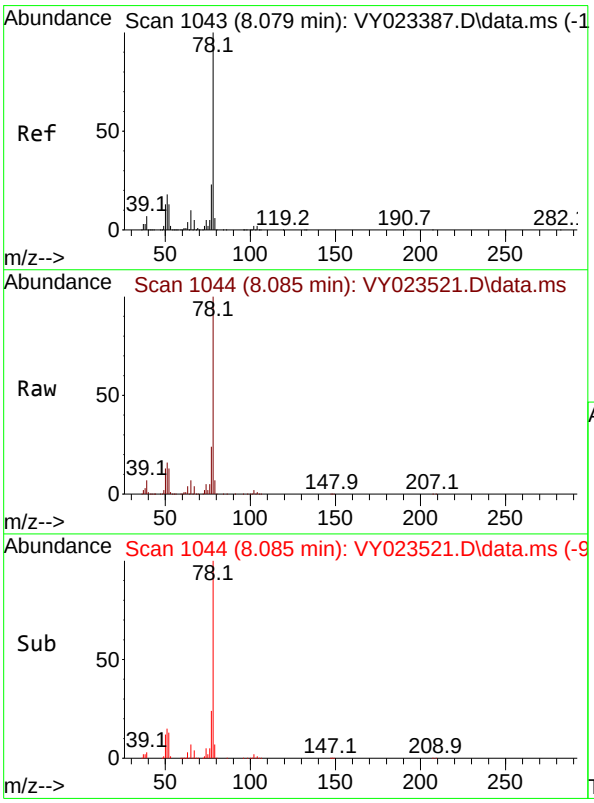
Ion	Ratio	Lower	Upper
83	100		
55	64.5	51.4	77.2
98	50.4	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

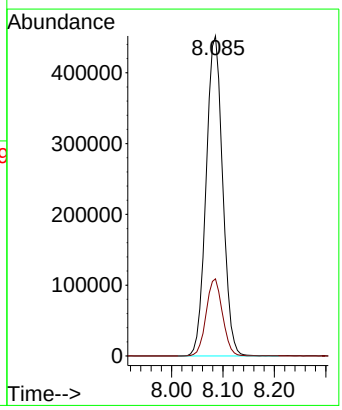


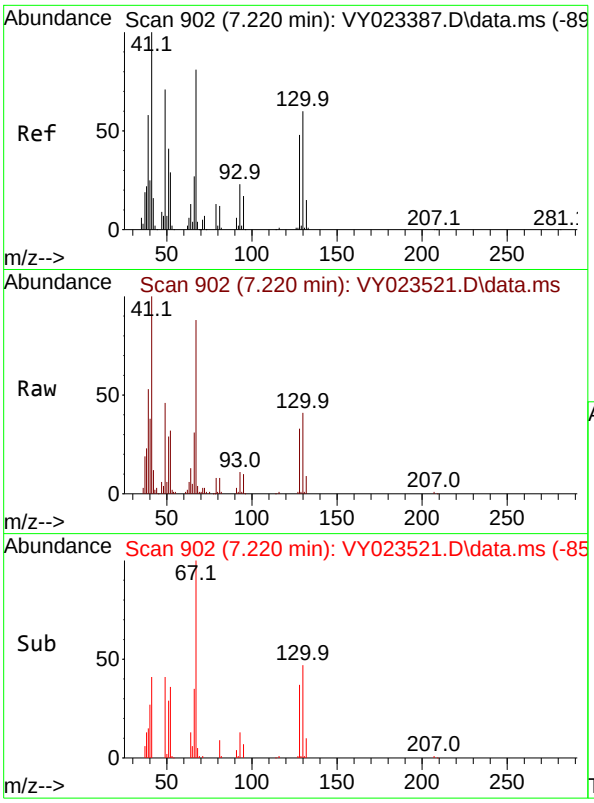


#40
Benzene
Concen: 56.189 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 78 Resp: 1010667

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.3	27.5

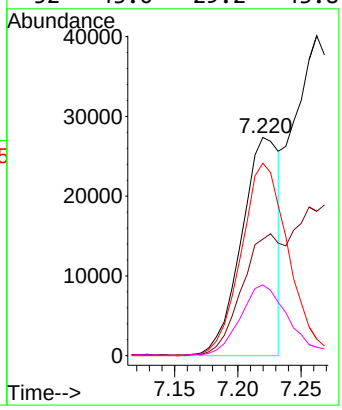




#41
Methacrylonitrile
Concen: 46.396 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 41 Resp: 5646

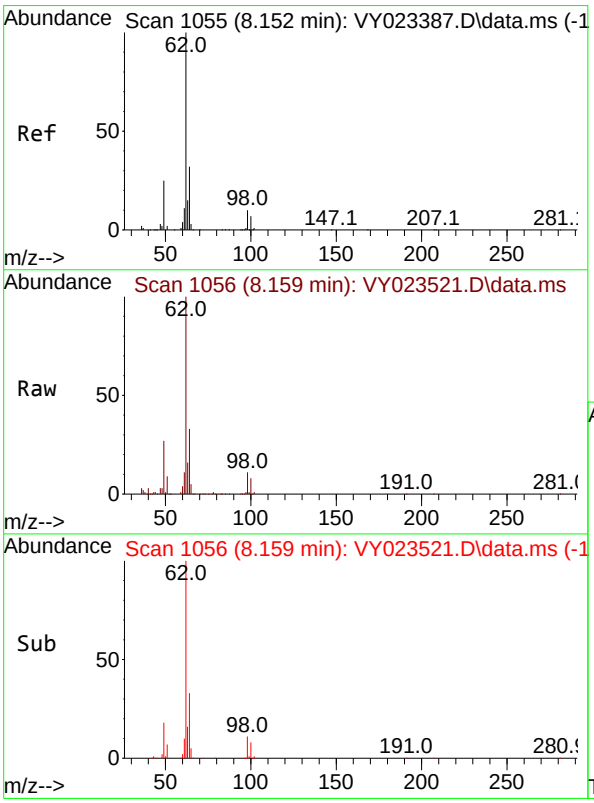
Ion	Ratio	Lower	Upper
41	100		
39	63.8	52.2	78.4
67	113.0	74.9	112.3
52	43.0	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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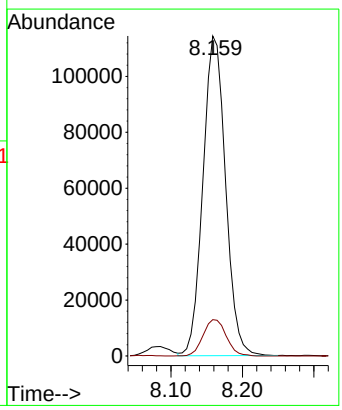
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

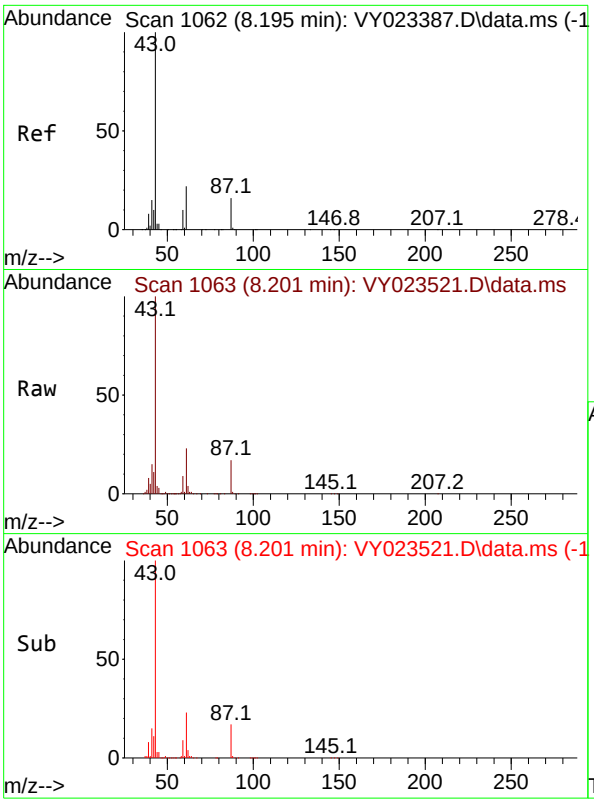


#42
1,2-Dichloroethane
Concen: 54.158 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 62 Resp: 251229

Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	21.6

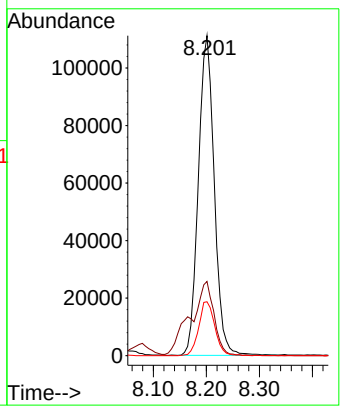




#43
Isopropyl Acetate
Concen: 51.687 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 43 Resp: 231909

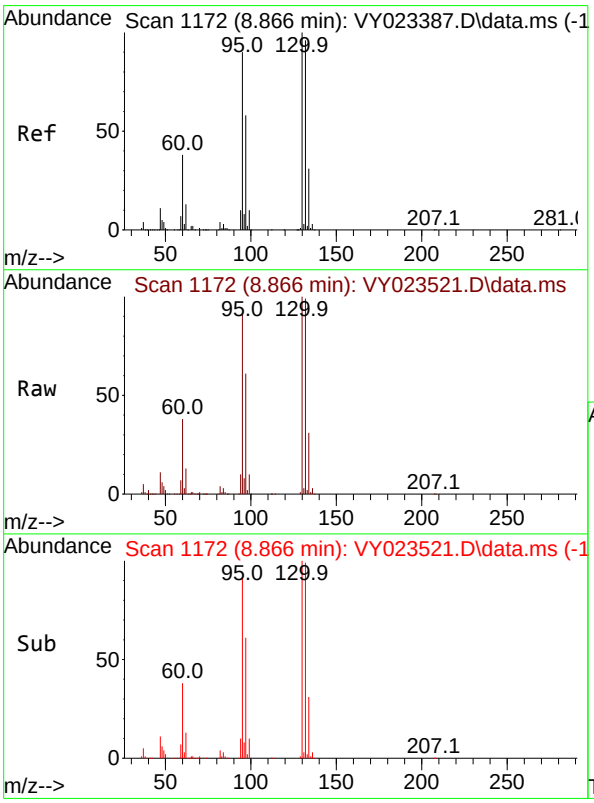
Ion	Ratio	Lower	Upper
43	100		
61	34.8	18.1	27.1
87	17.2	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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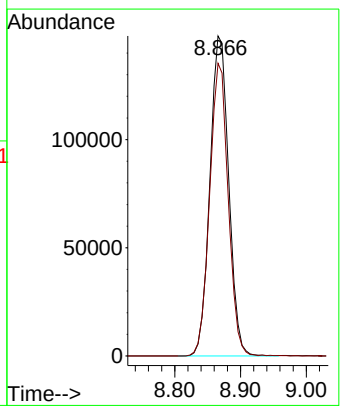
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

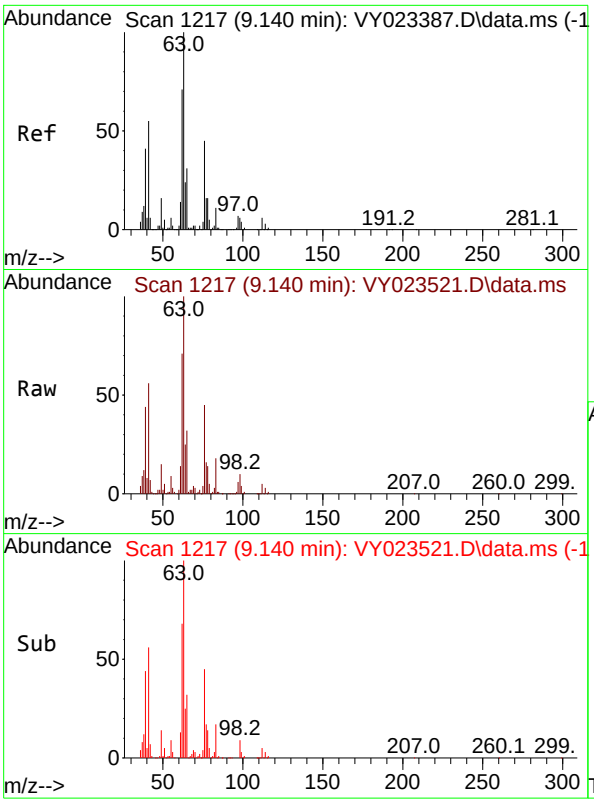


#44
Trichloroethene
Concen: 55.852 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:130 Resp: 294037

Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	180.6

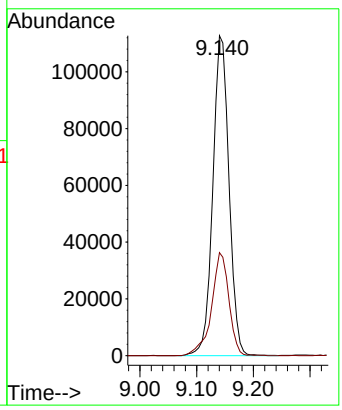




#45
1,2-Dichloropropane
Concen: 56.253 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 63 Resp: 22348

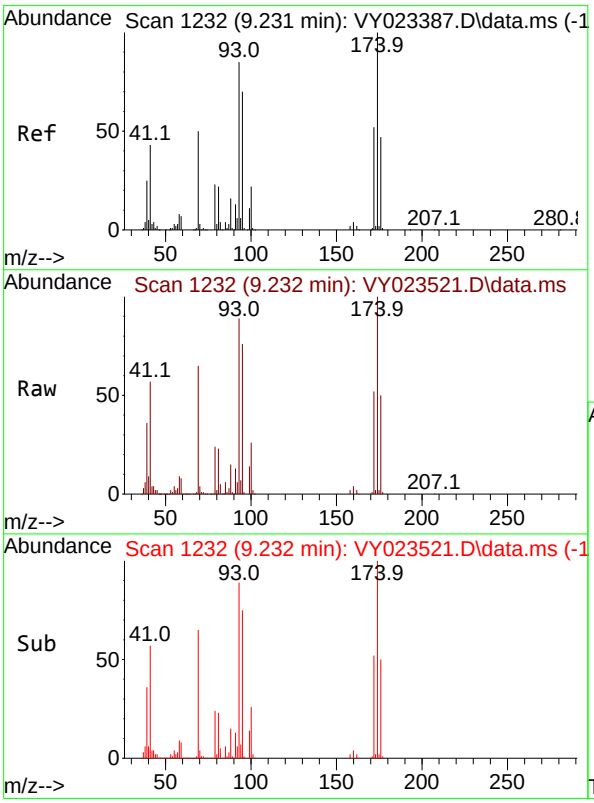
Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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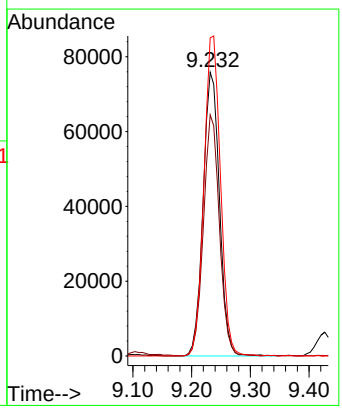
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

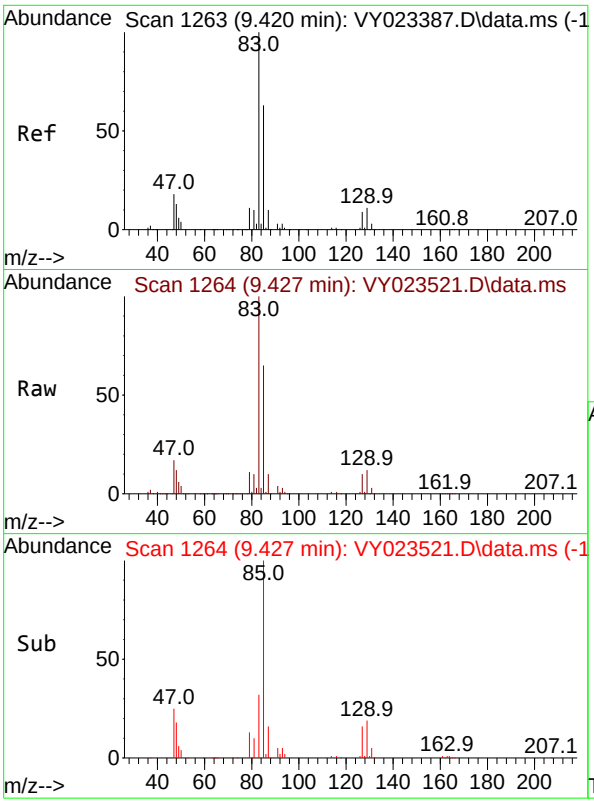


#46
Dibromomethane
Concen: 58.489 ug/l
RT: 9.232 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 93 Resp: 146935

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.4	98.0
174	114.0	92.9	139.3

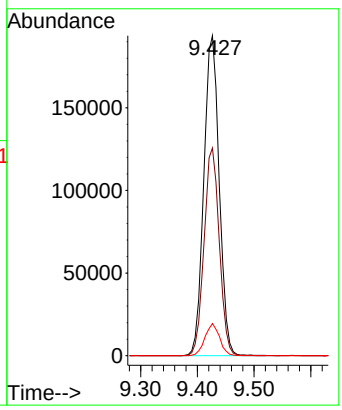




#47
Bromodichloromethane
Concen: 57.621 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 83 Resp: 36456

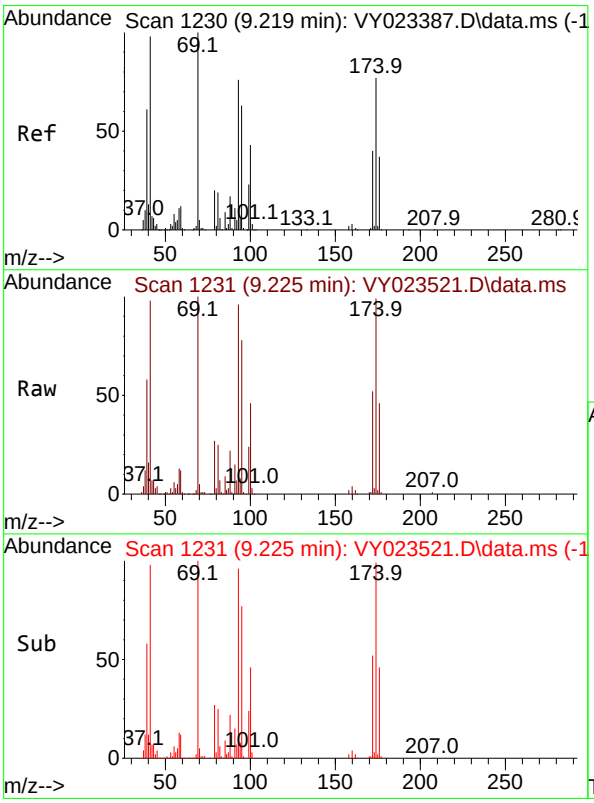
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.8	76.2
127	10.1	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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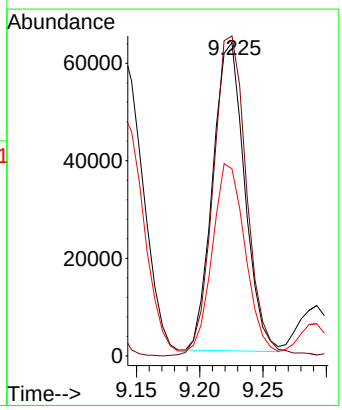
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

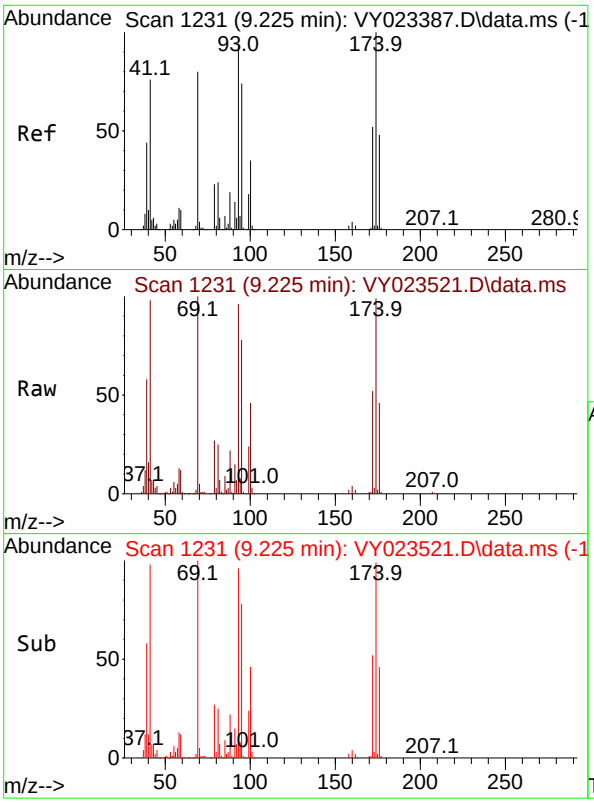


#48
Methyl methacrylate
Concen: 52.590 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 41 Resp: 110852

Ion	Ratio	Lower	Upper
41	100		
69	109.0	81.0	121.4
39	61.8	48.2	72.4





#49
1,4-Dioxane
Concen: 1051.234 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

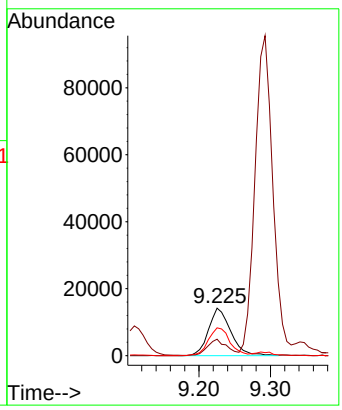
Tgt Ion: 88 Resp: 3061

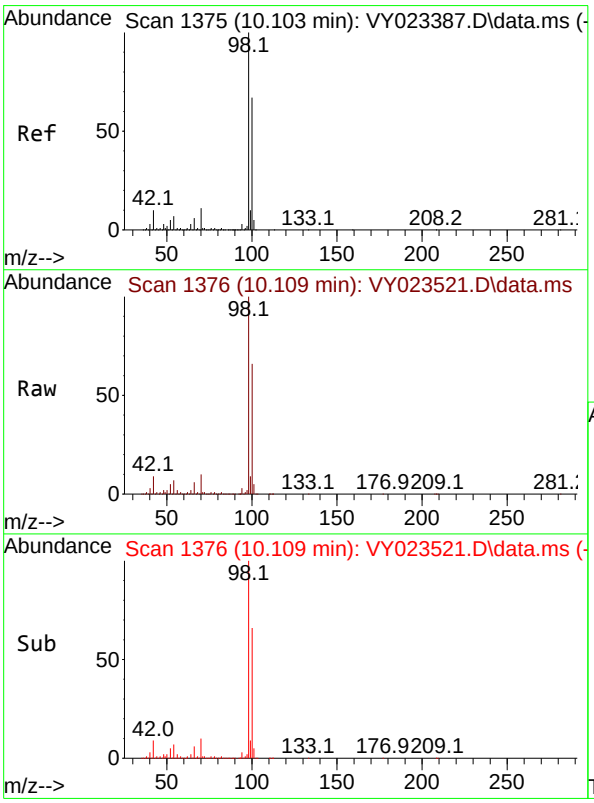
Ion	Ratio	Lower	Upper
88	100		
43	29.7	21.8	32.8
58	56.7	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

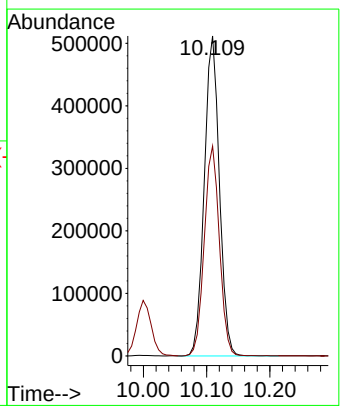


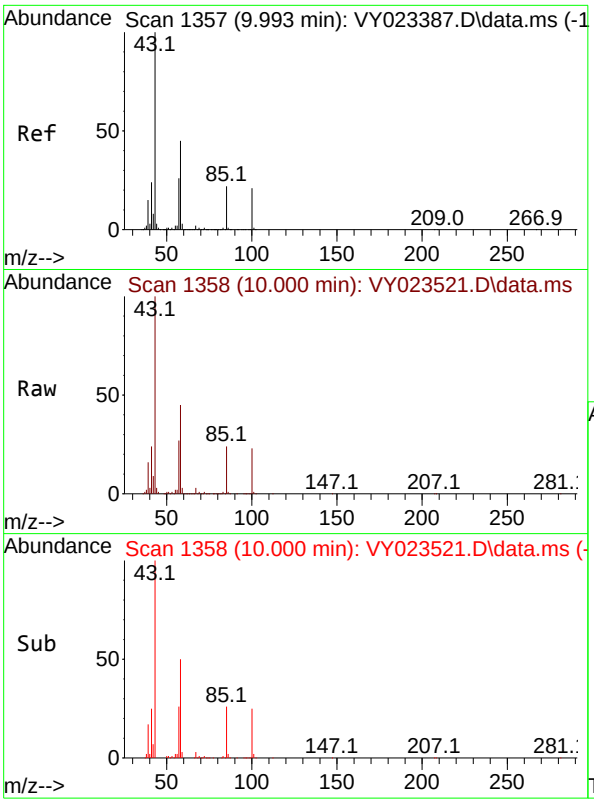


#50
Toluene-d8
Concen: 53.217 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 98 Resp: 850239

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.4

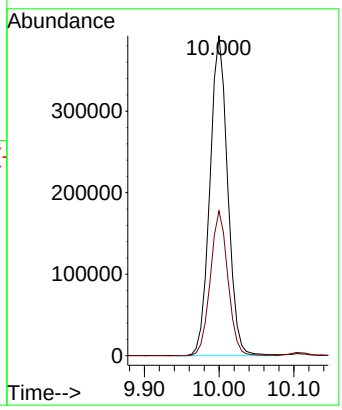




#51
4-Methyl-2-Pentanone
Concen: 280.345 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 43 Resp: 64988

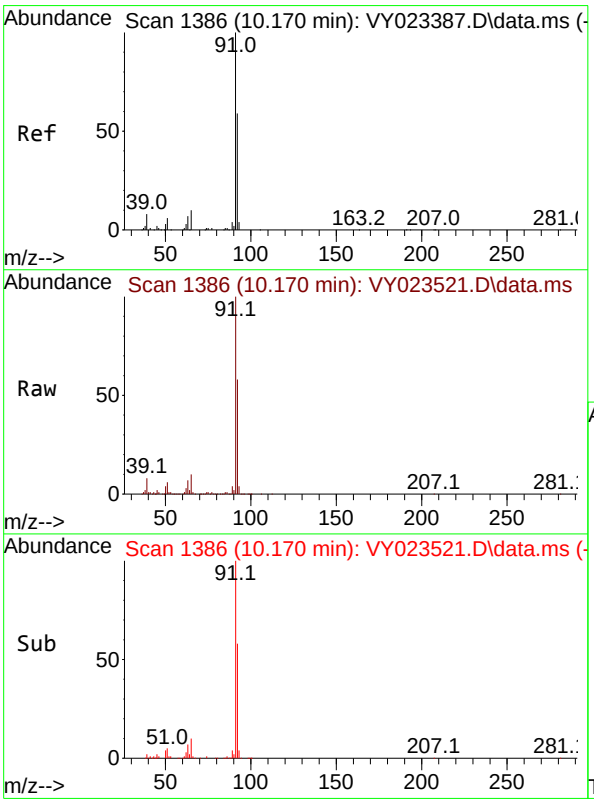
Ion	Ratio	Lower	Upper
43	100		
58	44.8	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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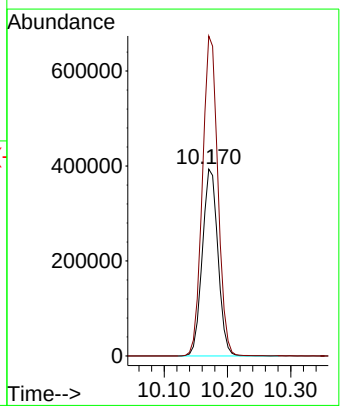
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

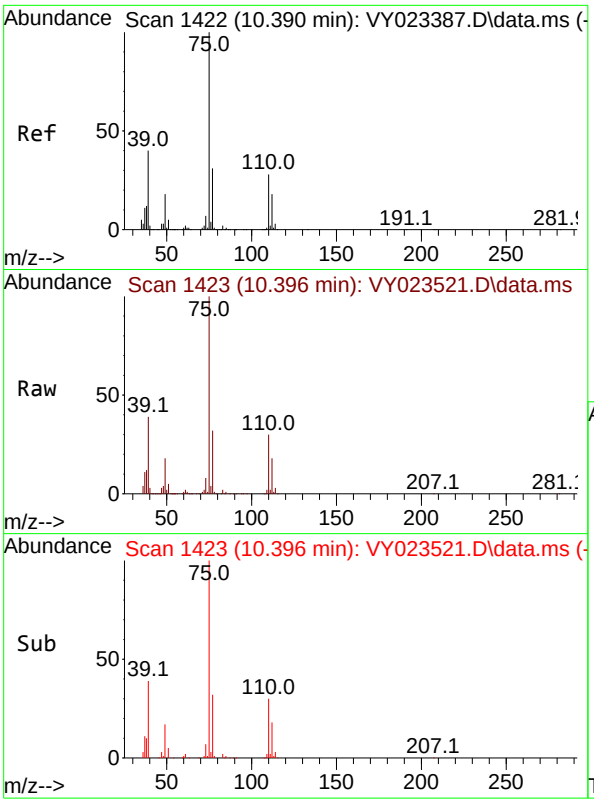


#52
Toluene
Concen: 57.818 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 92 Resp: 675233

Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 55.984 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

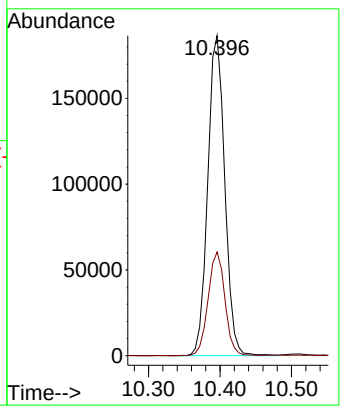
Tgt Ion: 75 Resp: 30799

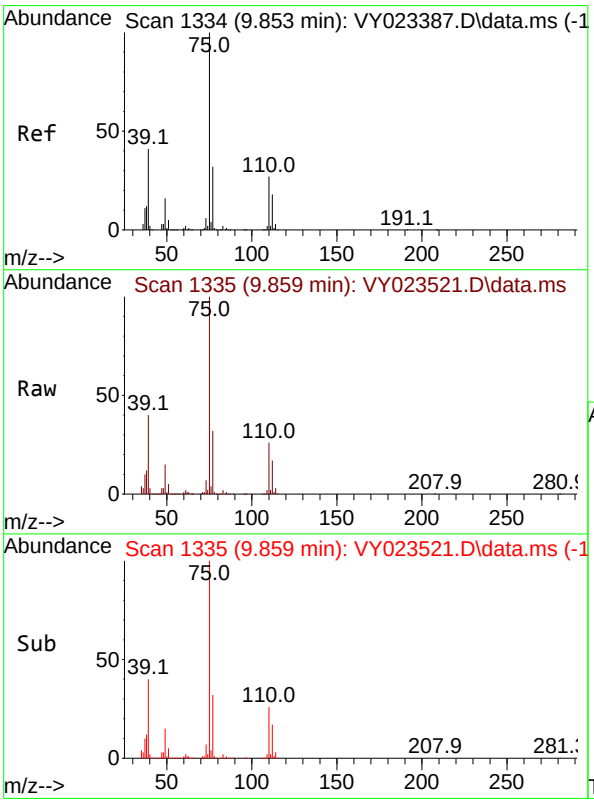
Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

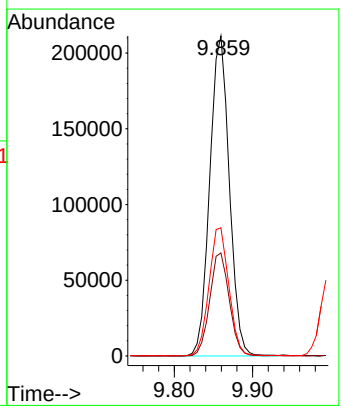


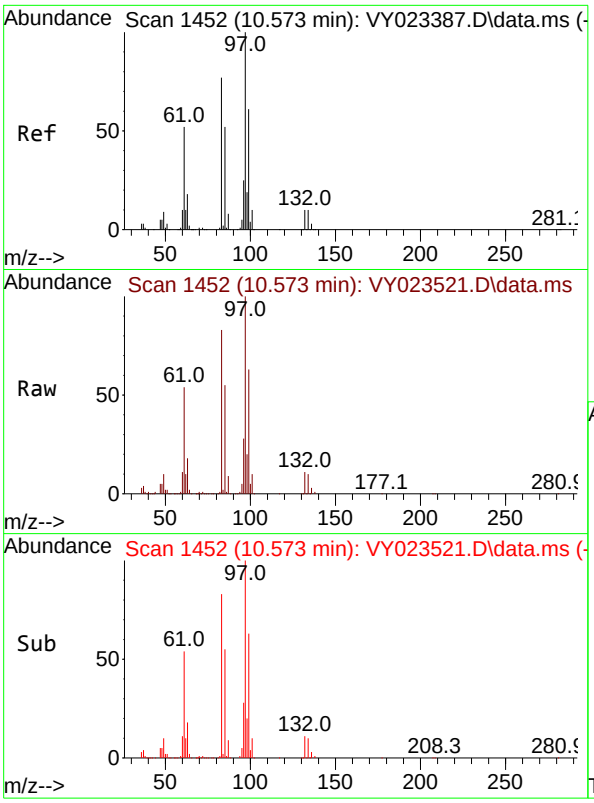


#54
cis-1,3-Dichloropropene
Concen: 56.399 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 75 Resp: 366195

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	40.0	32.8	49.2

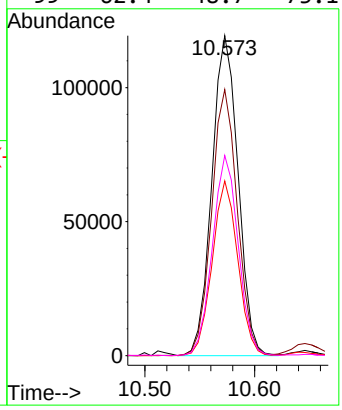




#55
1,1,2-Trichloroethane
Concen: 58.815 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 97 Resp: 19869

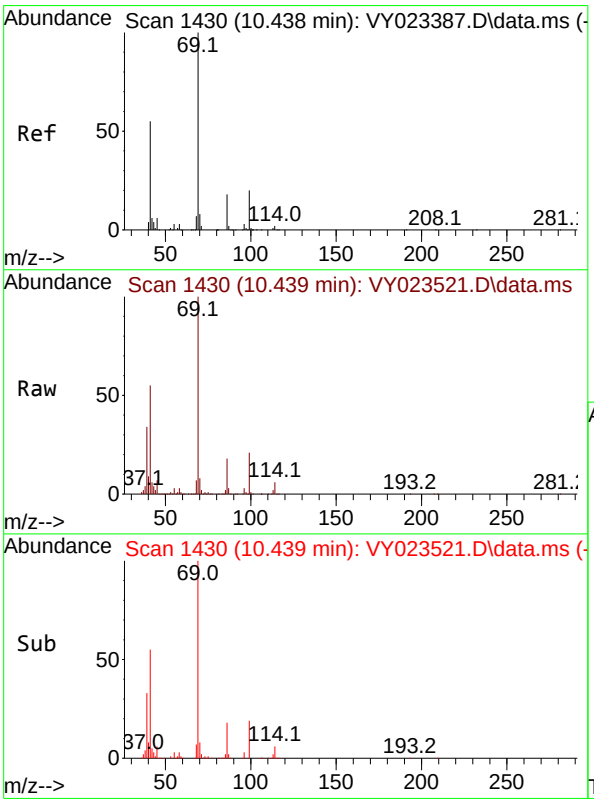
Ion	Ratio	Lower	Upper
97	100		
83	83.1	61.8	92.6
85	54.6	41.3	61.9
99	62.4	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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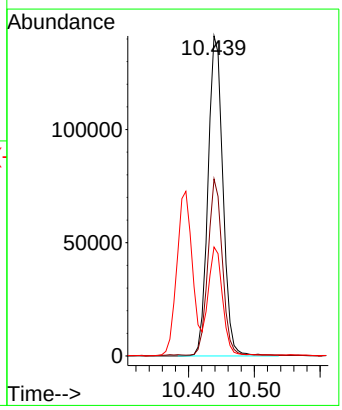
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

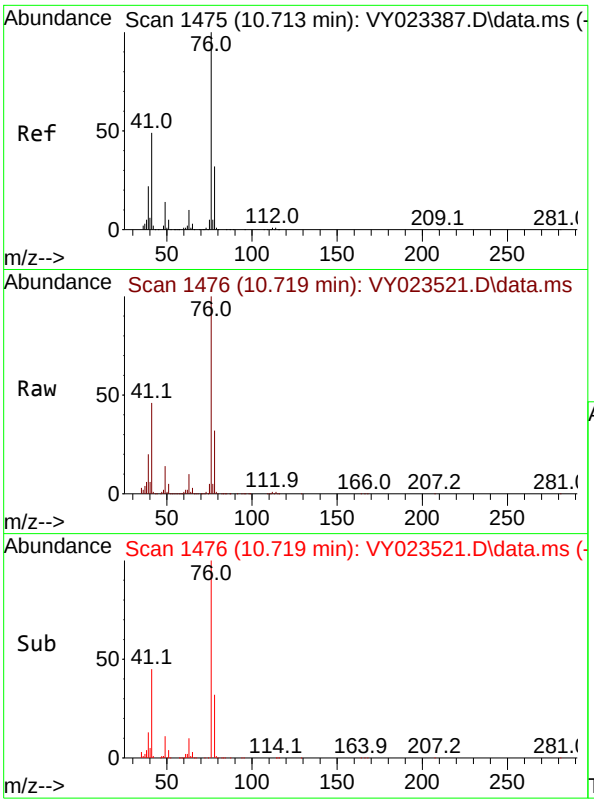


#56
Ethyl methacrylate
Concen: 57.121 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 69 Resp: 222590

Ion	Ratio	Lower	Upper
69	100		
41	53.3	44.6	67.0
39	32.0	27.0	40.4





#57
1,3-Dichloropropane
Concen: 57.370 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

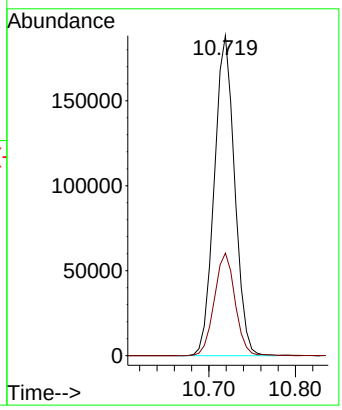
Tgt Ion: 76 Resp: 30711

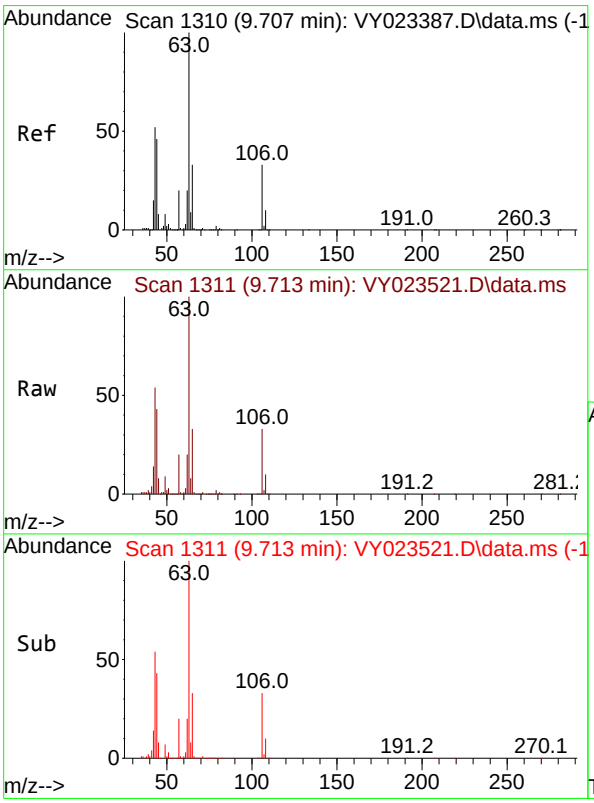
Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

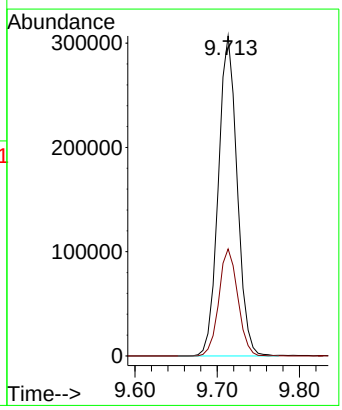


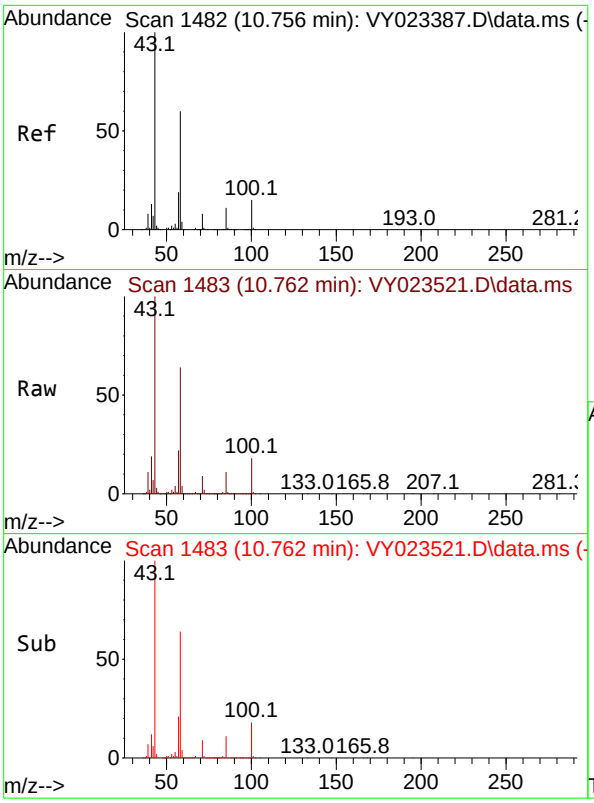


#58
2-Chloroethyl Vinyl ether
Concen: 280.014 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 63 Resp: 488816

Ion	Ratio	Lower	Upper
63	100		
106	33.7	26.6	39.8





#59
2-Hexanone
Concen: 285.033 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

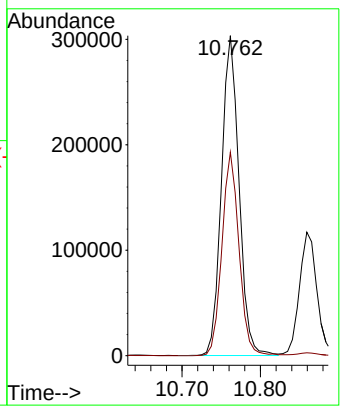
Tgt Ion: 43 Resp: 47220

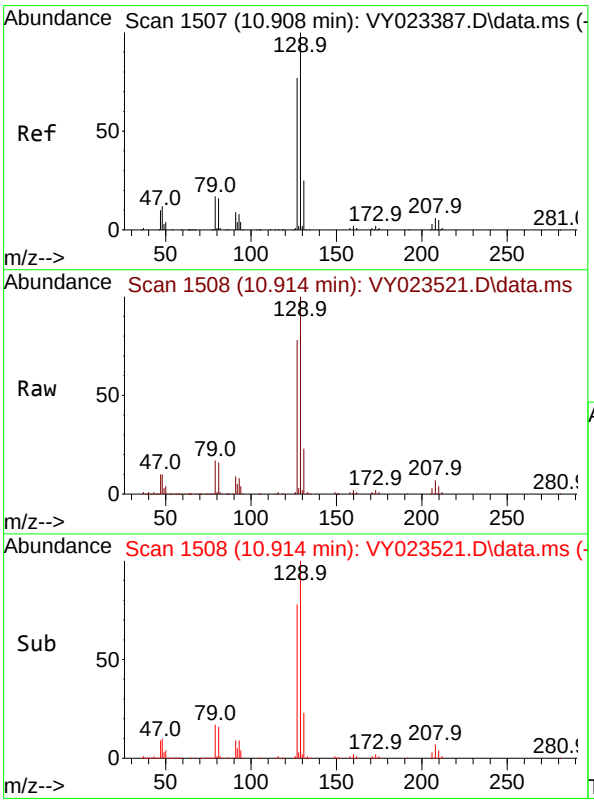
Ion	Ratio	Lower	Upper
43	100		
58	62.0	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

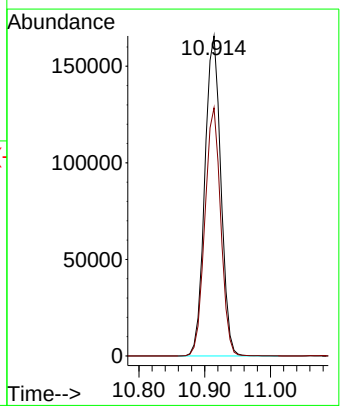


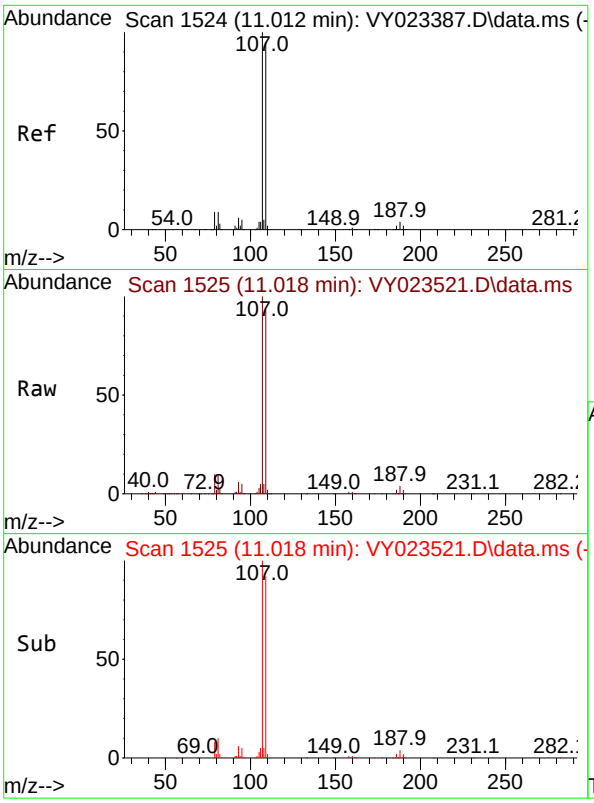


#60
Dibromochloromethane
Concen: 59.341 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:129 Resp: 281057

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.6	115.7

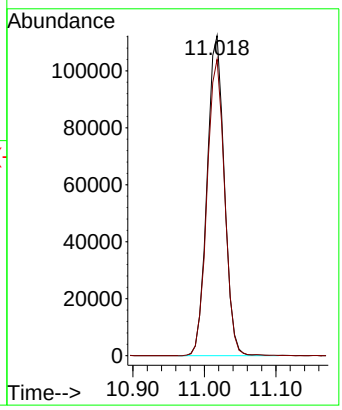




#61
1,2-Dibromoethane
Concen: 58.304 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:107 Resp: 18784

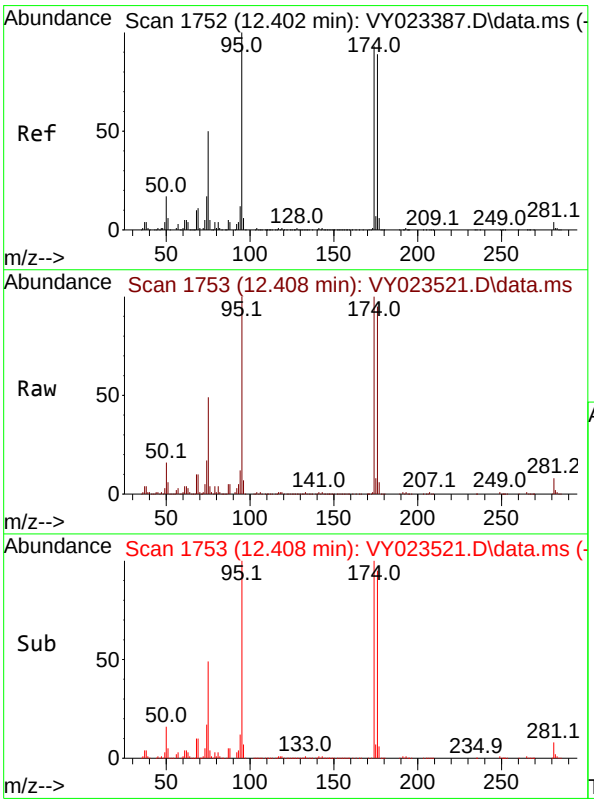
Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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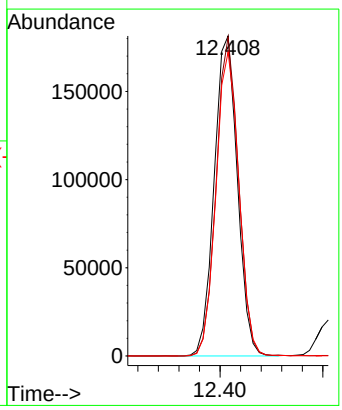
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

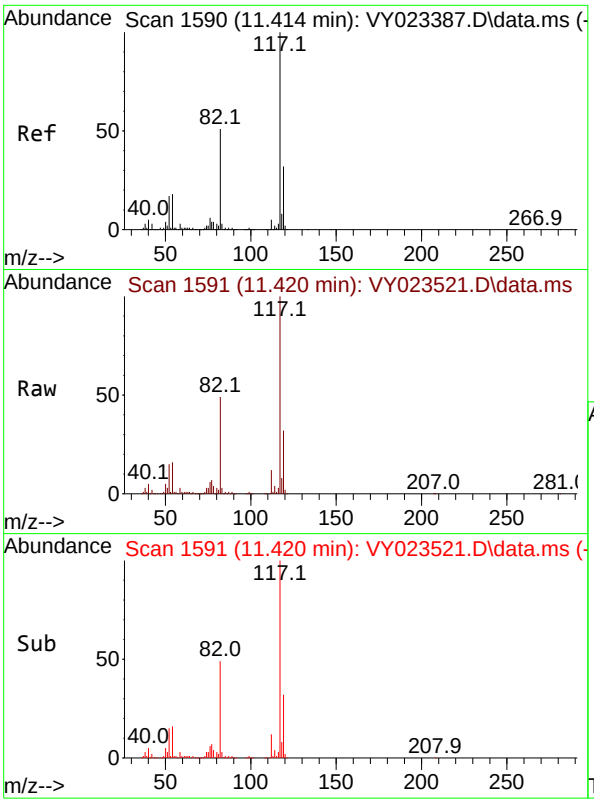


#62
4-Bromofluorobenzene
Concen: 53.656 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 95 Resp: 283018

Ion	Ratio	Lower	Upper
95	100		
174	96.6	0.0	192.8
176	94.3	0.0	187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

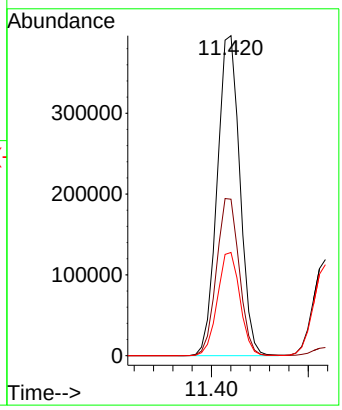
Tgt Ion:117 Resp: 64291

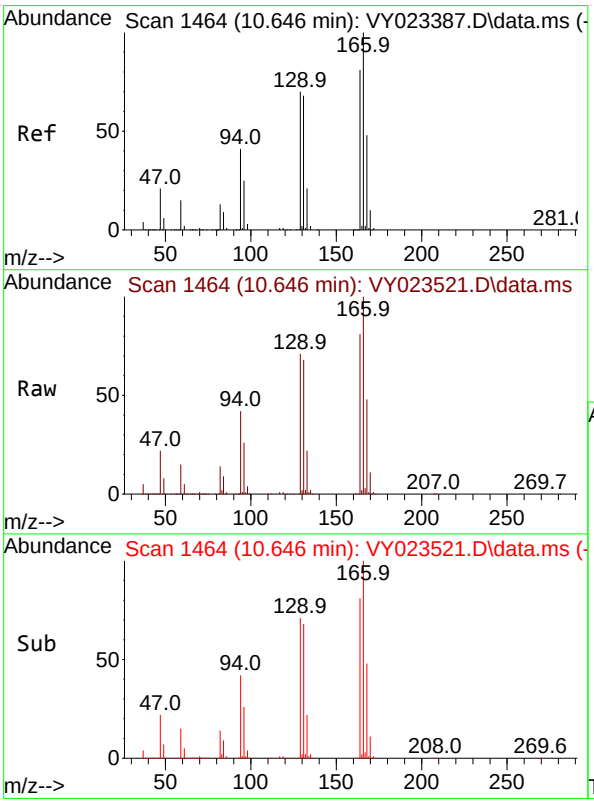
Ion	Ratio	Lower	Upper
117	100		
82	48.9	41.0	61.4
119	32.3	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

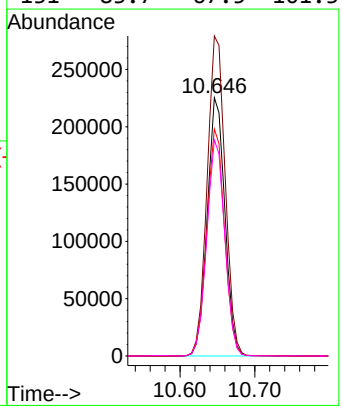


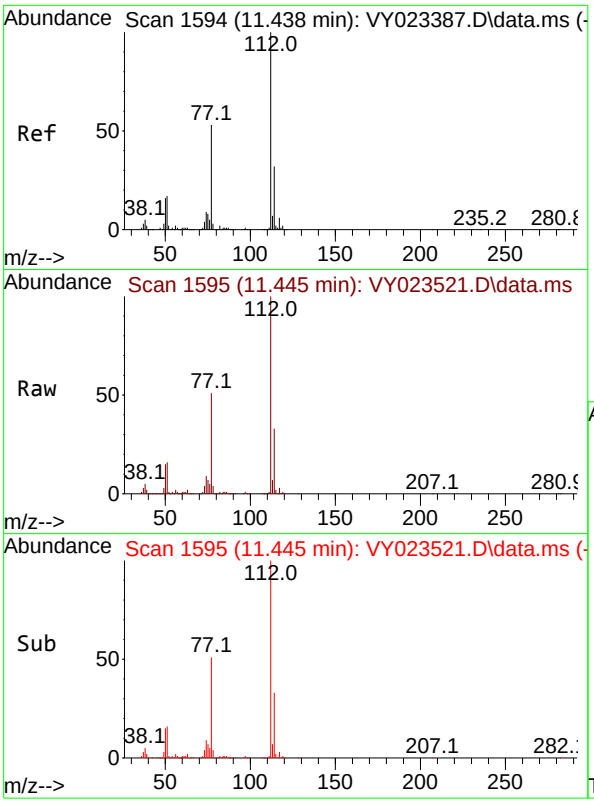


#64
Tetrachloroethene
Concen: 55.688 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:164 Resp: 369674

Ion	Ratio	Lower	Upper
164	100		
166	123.9	99.4	149.0
129	87.9	69.4	104.2
131	83.7	67.5	101.3

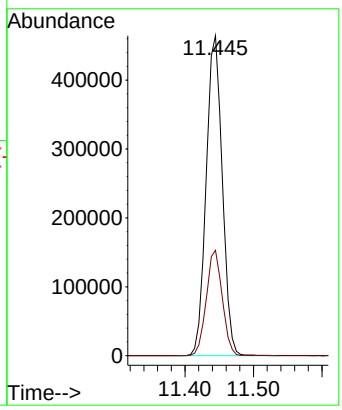




#65
Chlorobenzene
Concen: 54.309 ug/l
RT: 11.445 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:112 Resp: 75940

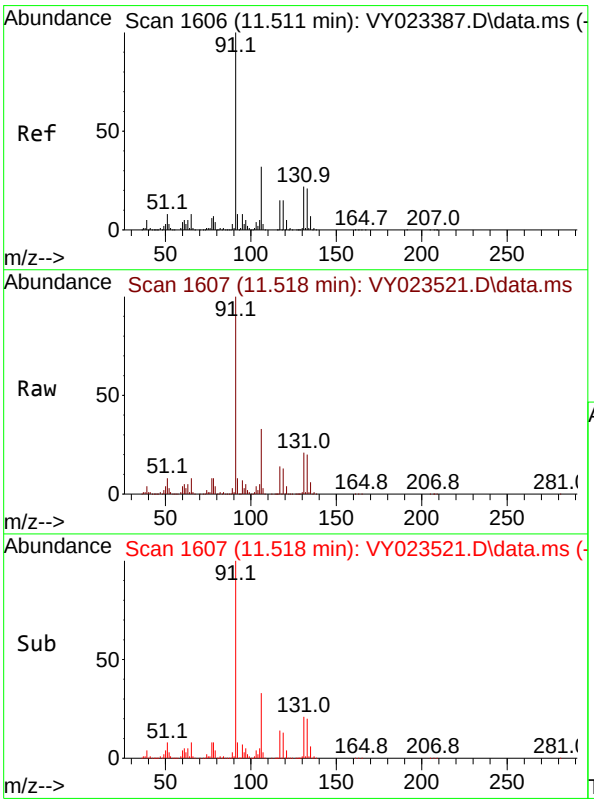
Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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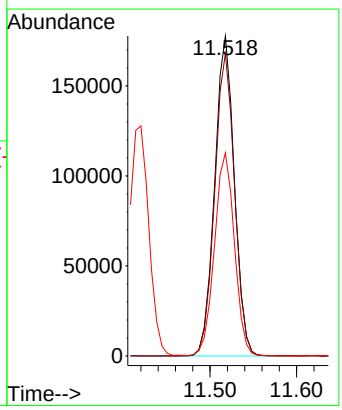
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

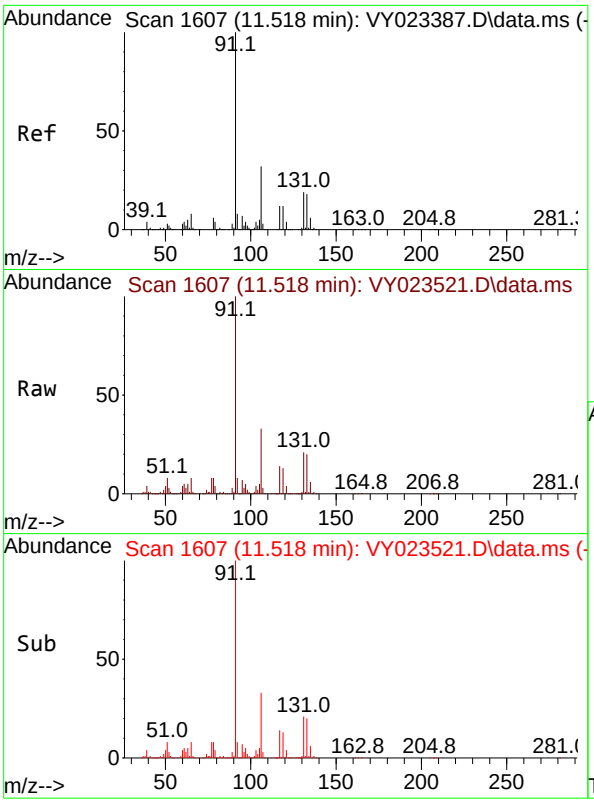


#66
1,1,1,2-Tetrachloroethane
Concen: 56.268 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:131 Resp: 280381

Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.4	145.2
119	64.2	32.4	97.2

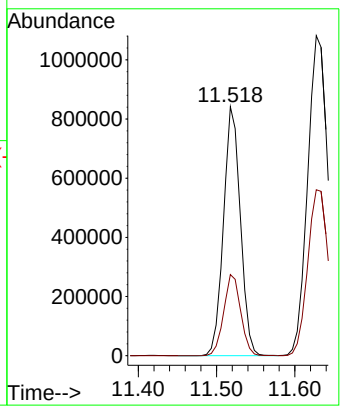




#67
Ethyl Benzene
Concen: 55.713 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 91 Resp: 126104

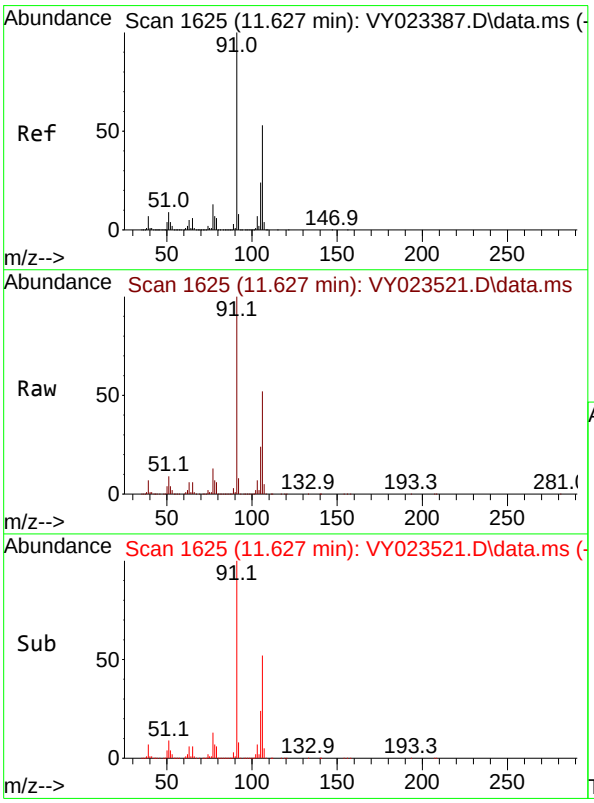
Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

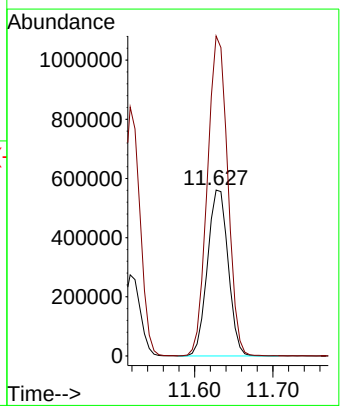
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

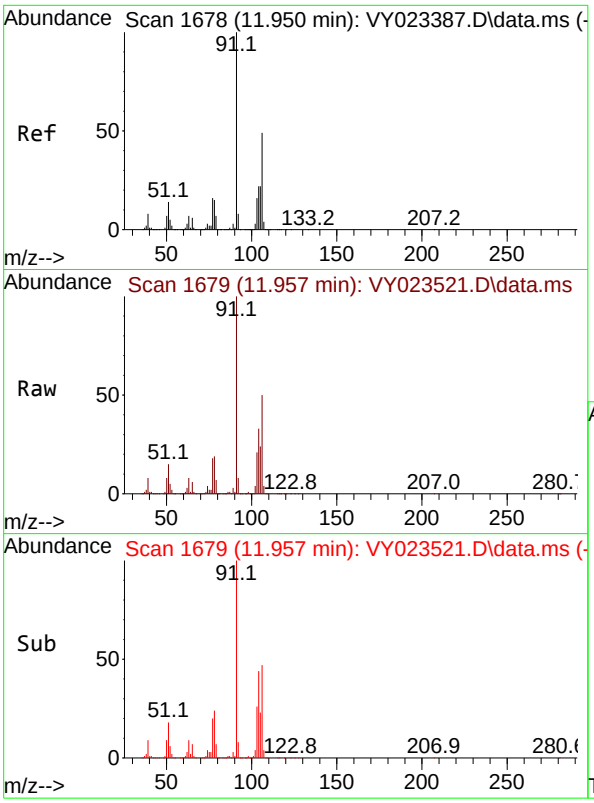


#68
m/p-Xylenes
Concen: 113.207 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:106 Resp: 1027756

Ion	Ratio	Lower	Upper
106	100		
91	189.8	152.6	229.0

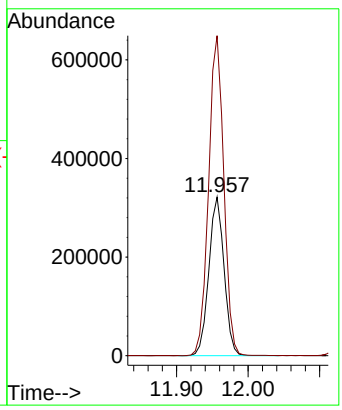




#69
o-Xylene
Concen: 55.830 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:106 Resp: 47542

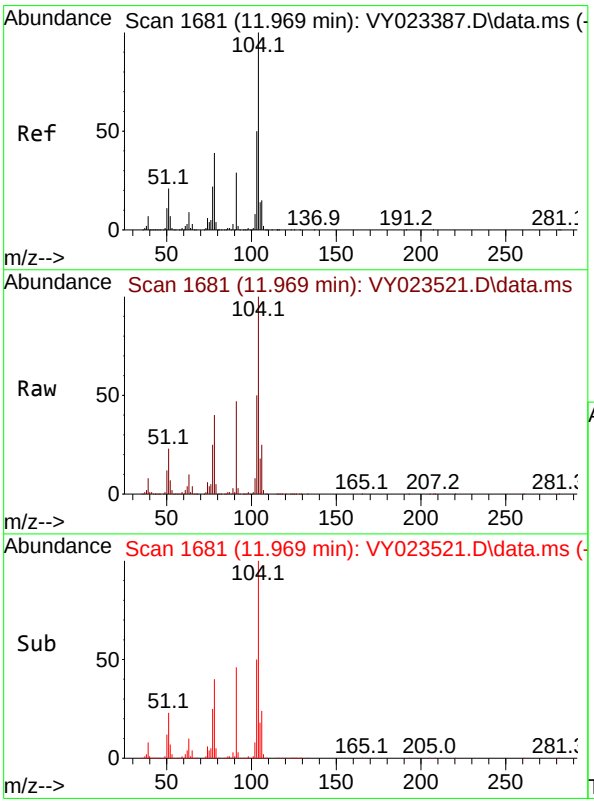
Ion	Ratio	Lower	Upper
106	100		
91	201.4	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

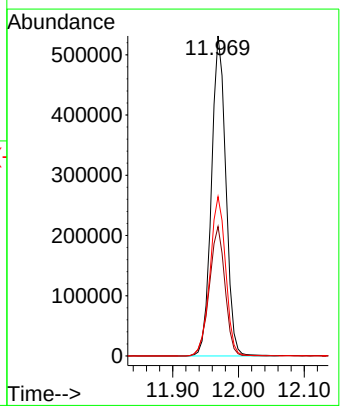
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

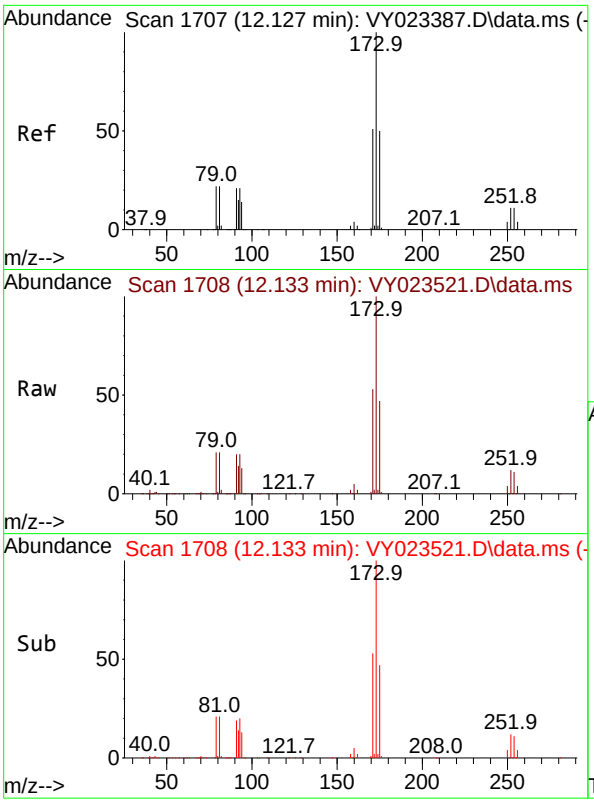


#70
Styrene
Concen: 57.893 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:104 Resp: 810694

Ion	Ratio	Lower	Upper
104	100		
78	43.8	36.1	54.1
103	54.0	43.2	64.8

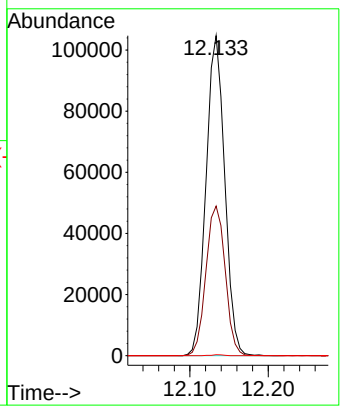




#71
Bromoform
Concen: 56.019 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:173 Resp: 17314

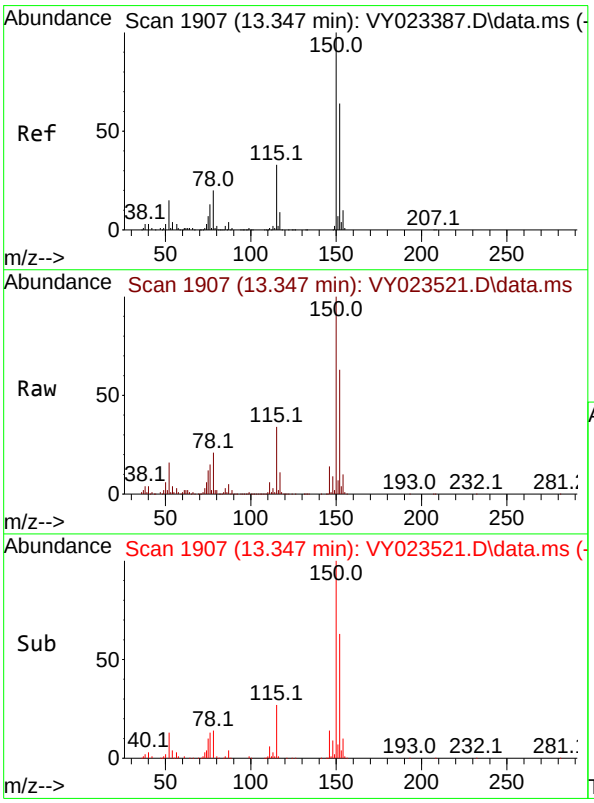
Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.8	74.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

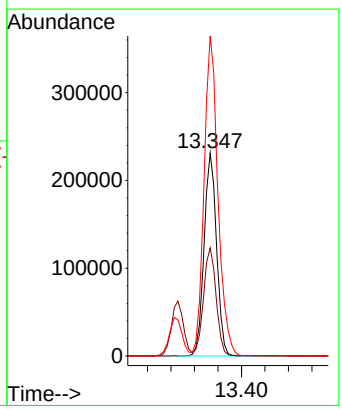
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

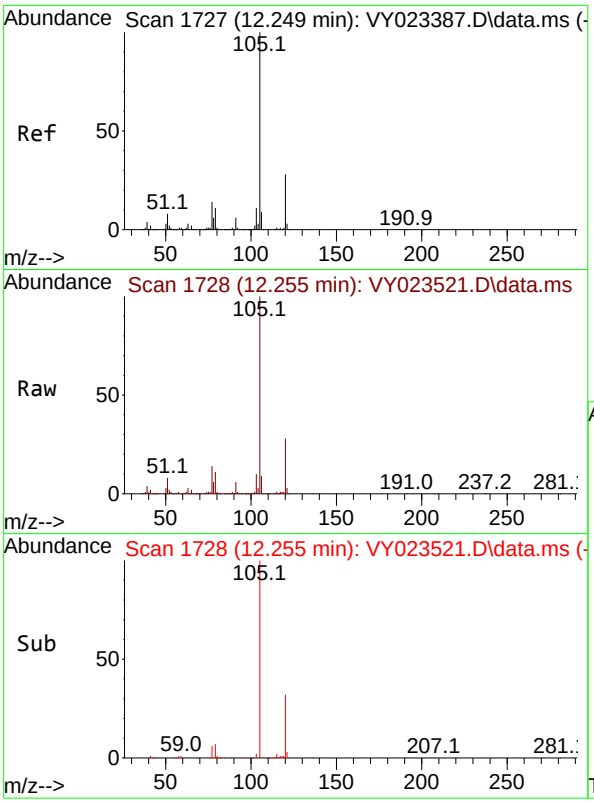


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:152 Resp: 341616

Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.1	81.2
150	174.9	0.0	347.4

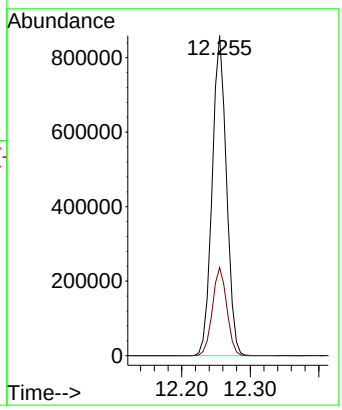




#73
Isopropylbenzene
Concen: 55.240 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:105 Resp: 124360

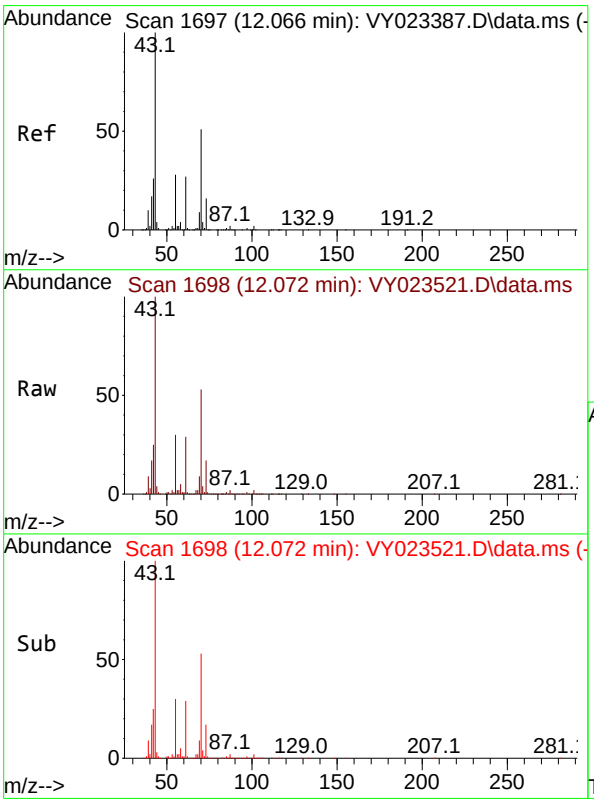
Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

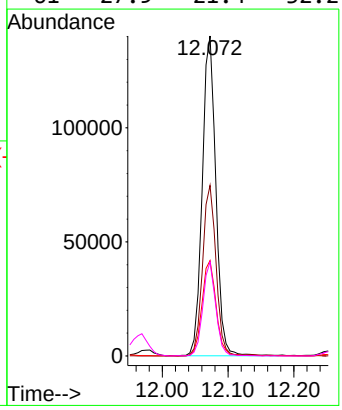
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

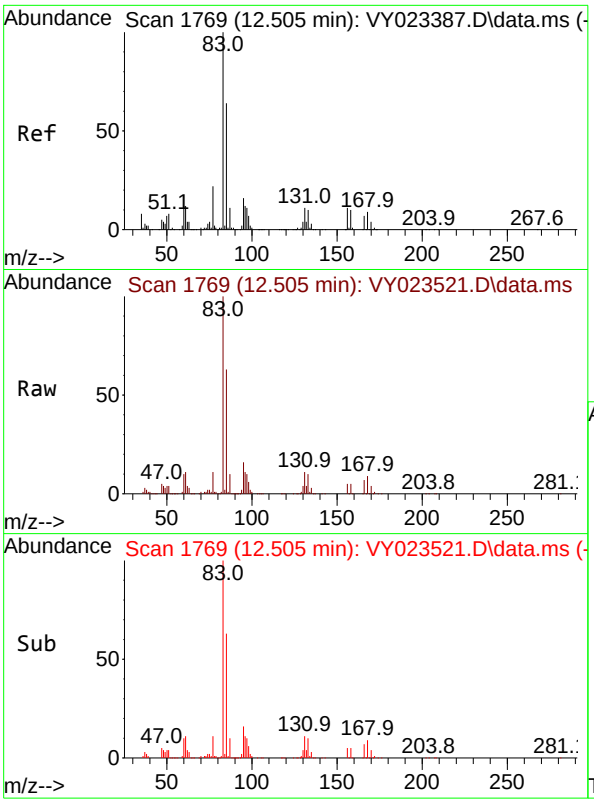


#74
N-amyl acetate
Concen: 49.976 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 43 Resp: 202085

Ion	Ratio	Lower	Upper
43	100		
70	53.0	41.1	61.7
55	30.9	23.0	34.6
61	27.9	21.4	32.2

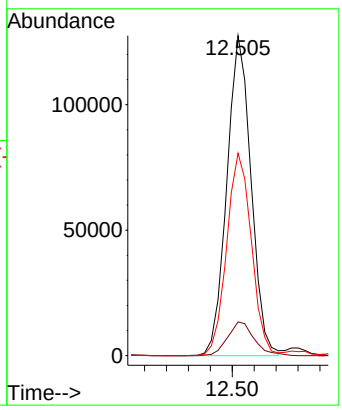




#75
1,1,2,2-Tetrachloroethane
Concen: 53.009 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 83 Resp: 19518

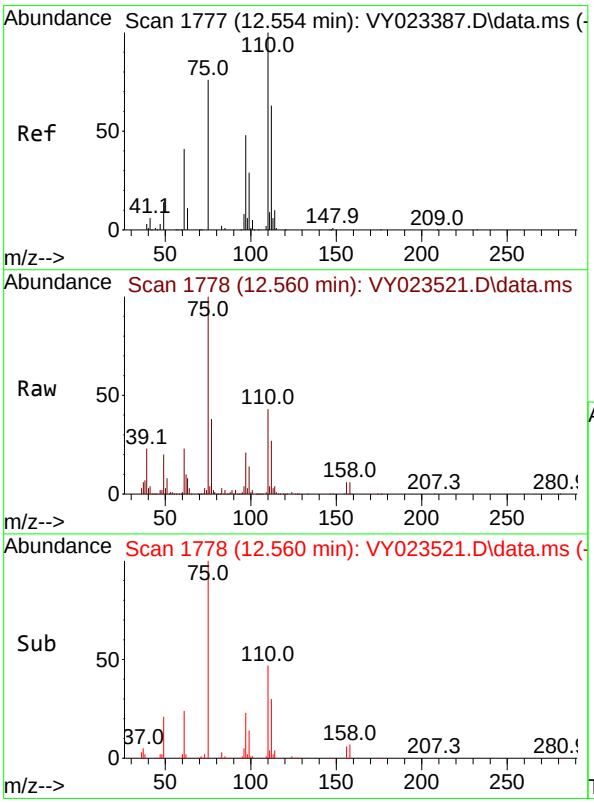
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.9	17.6
85	64.6	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

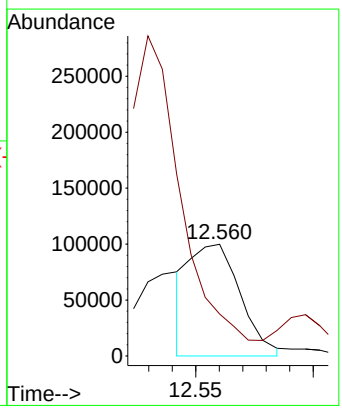
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

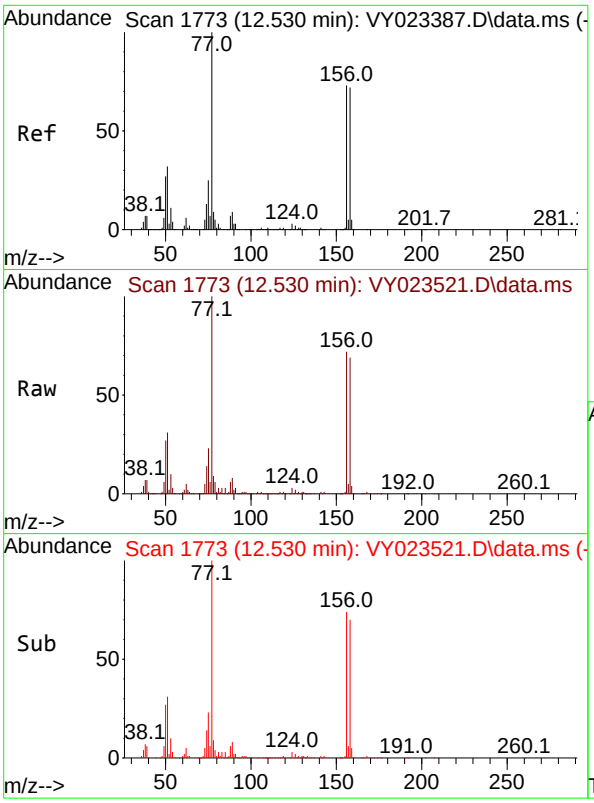


#76
1,2,3-Trichloropropane
Concen: 50.129 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 75 Resp: 151087

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

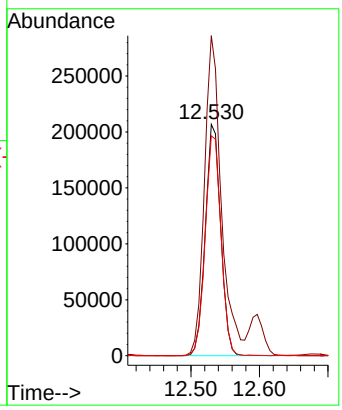




#77
Bromobenzene
Concen: 54.235 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:156 Resp: 32460

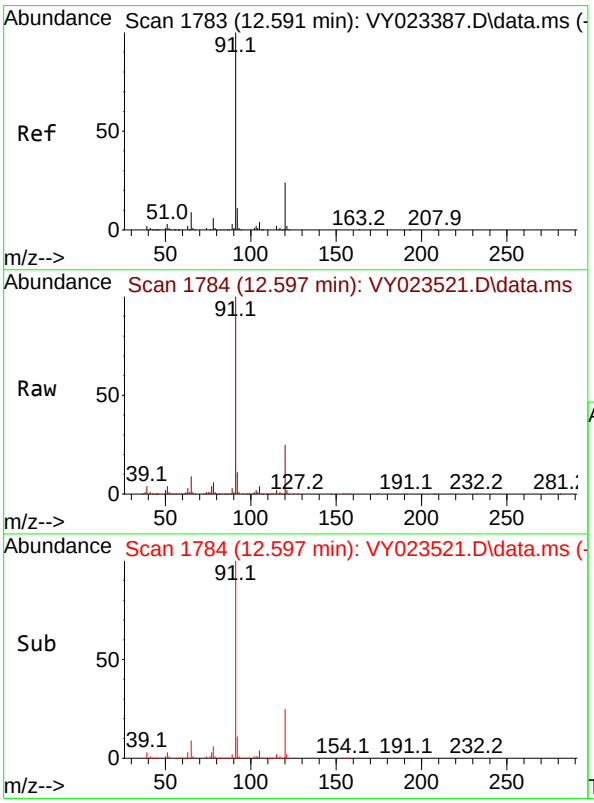
Ion	Ratio	Lower	Upper
156	100		
77	151.6	76.8	230.5
158	97.2	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

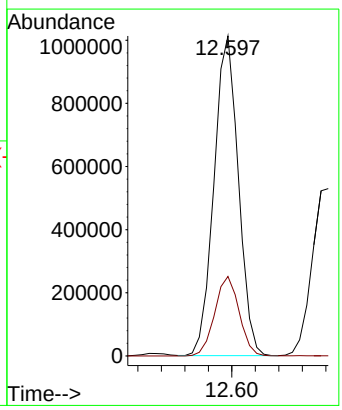
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

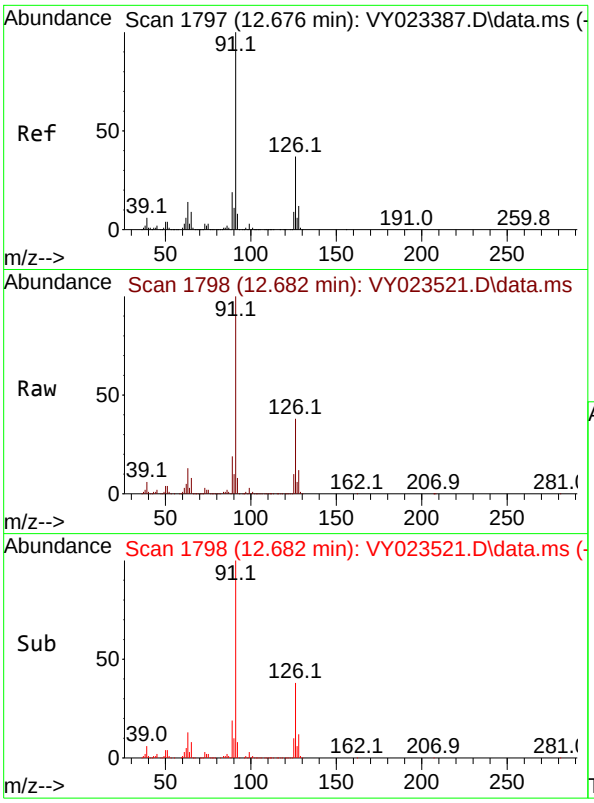


#78
n-propylbenzene
Concen: 55.961 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 91 Resp: 1457896

Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8





#79
2-Chlorotoluene
Concen: 54.463 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

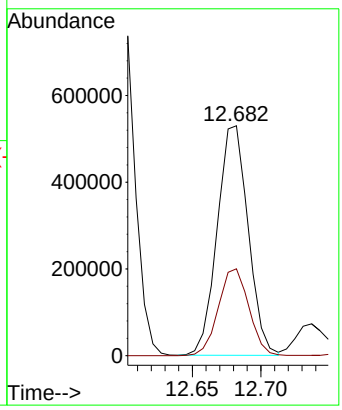
Tgt Ion: 91 Resp: 83089

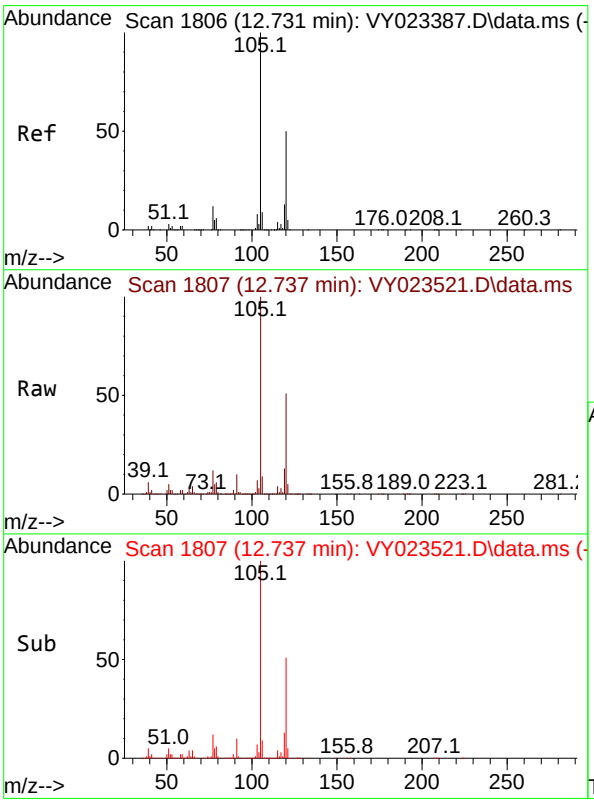
Ion	Ratio	Lower	Upper
91	100		
126	37.5	18.5	55.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

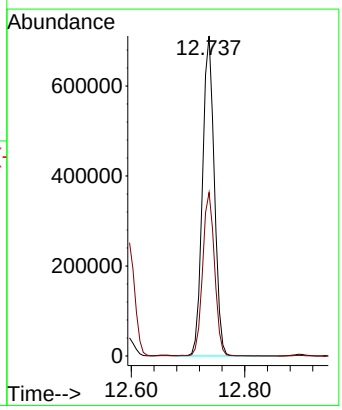


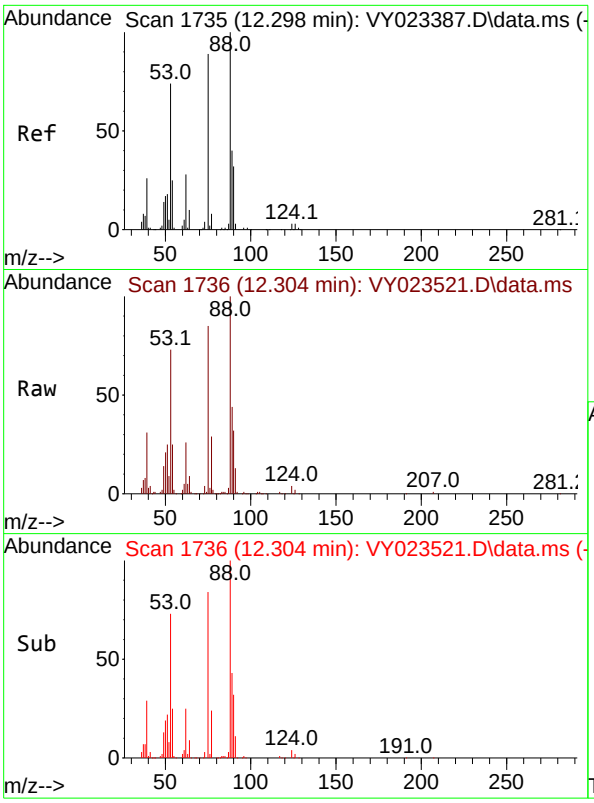


#80
1,3,5-Trimethylbenzene
Concen: 56.451 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:105 Resp: 1026971

Ion	Ratio	Lower	Upper
105	100		
120	51.4	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 50.407 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

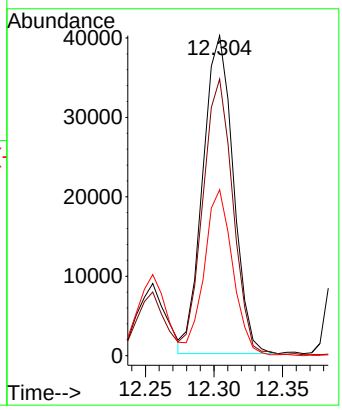
Tgt Ion: 75 Resp: 6195

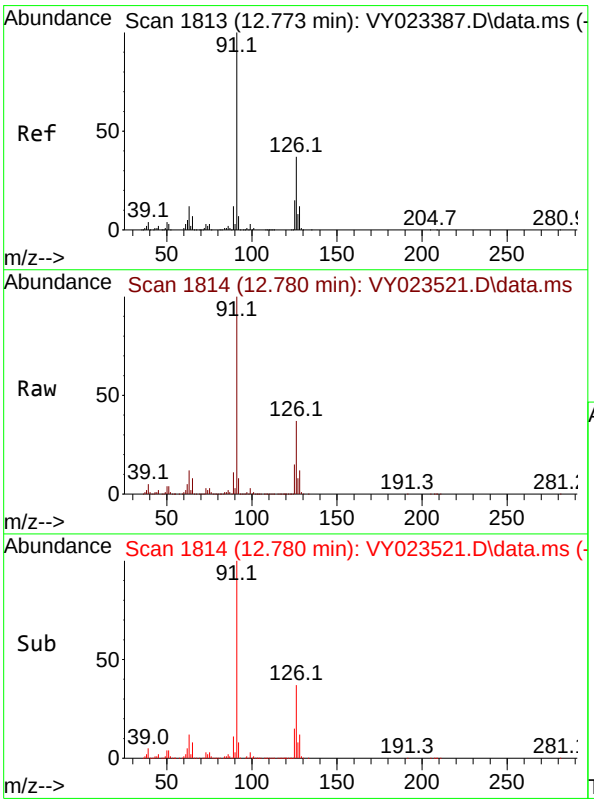
Ion	Ratio	Lower	Upper
75	100		
53	86.5	68.6	102.8
89	48.7	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

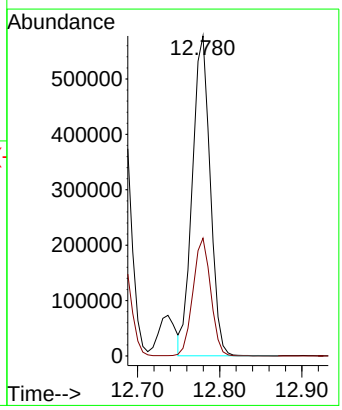


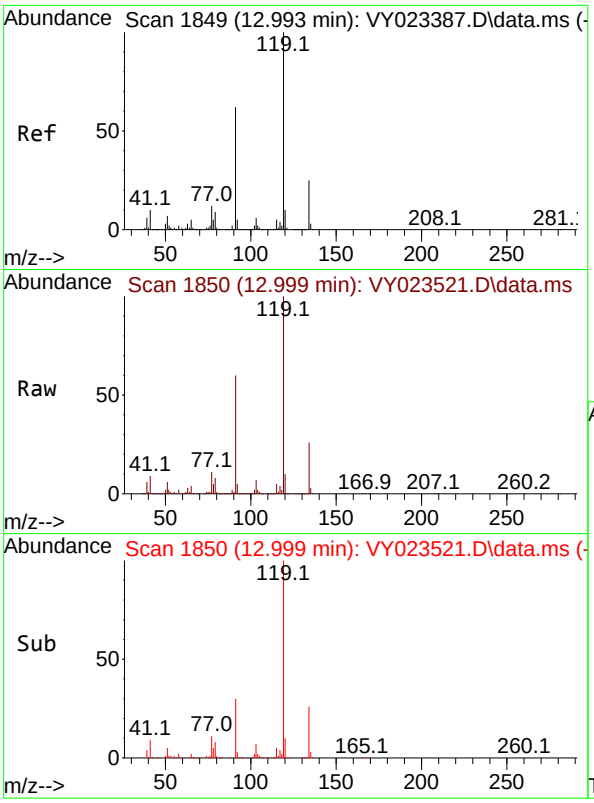


#82
4-Chlorotoluene
Concen: 55.289 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 91 Resp: 868701

Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.4	55.4

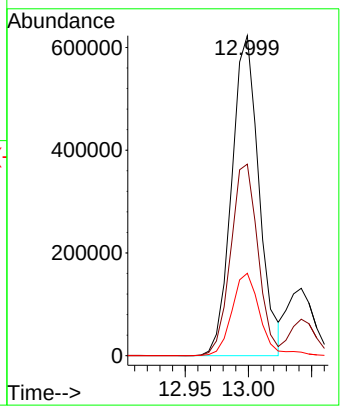




#83
tert-Butylbenzene
Concen: 55.842 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:119 Resp: 93798

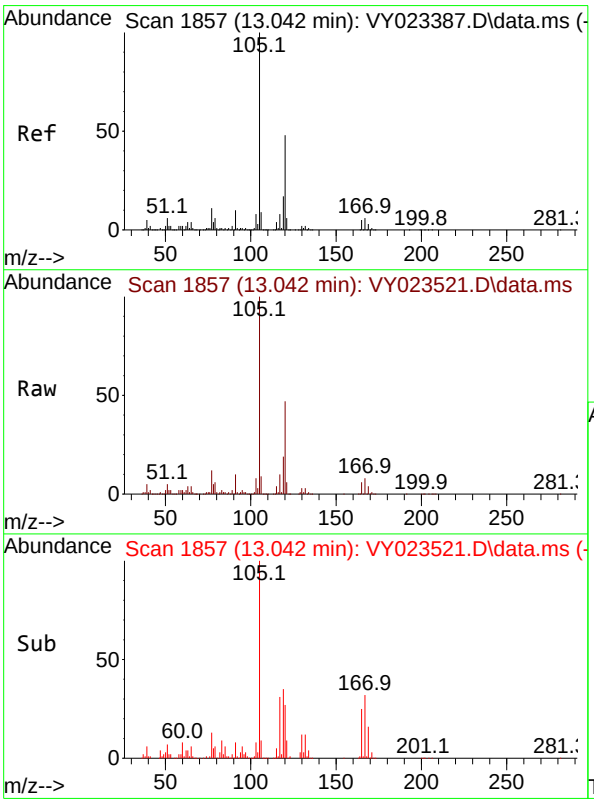
Ion	Ratio	Lower	Upper
119	100		
91	59.7	29.9	89.8
134	26.6	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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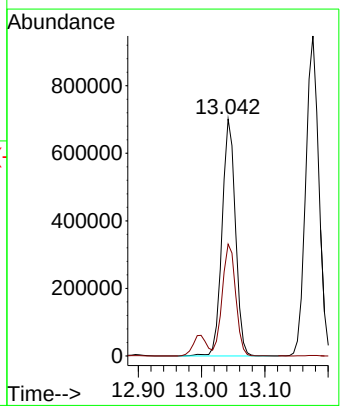
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

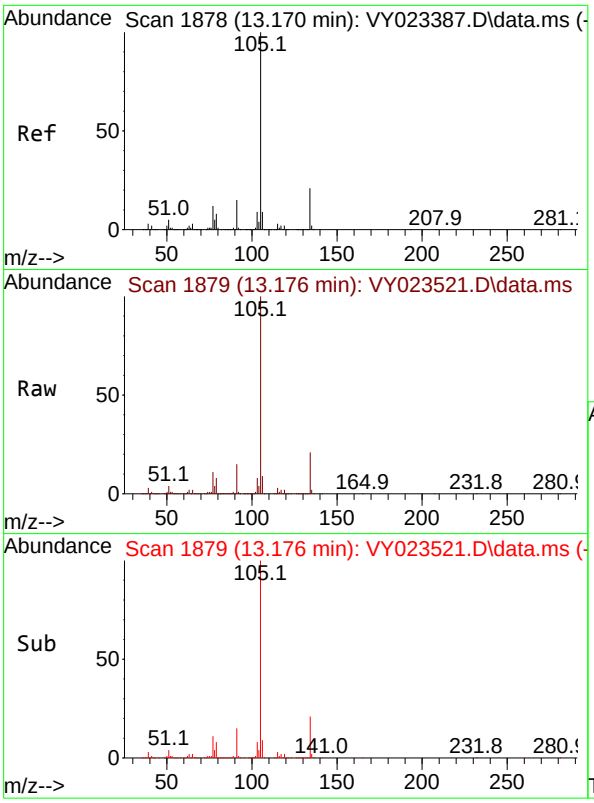


#84
1,2,4-Trimethylbenzene
Concen: 56.428 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:105 Resp: 1024486

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.8	71.2

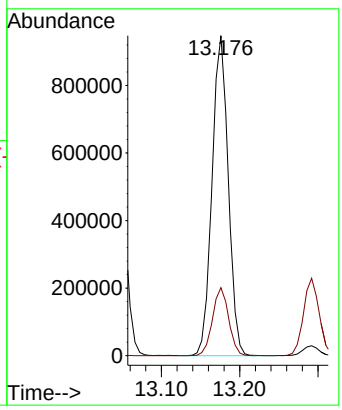




#85
sec-Butylbenzene
Concen: 56.437 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:105 Resp: 135984

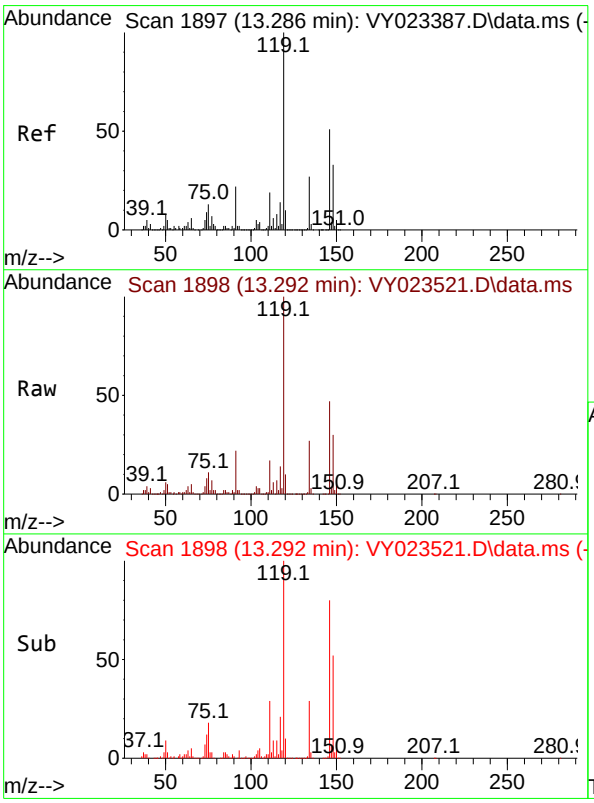
Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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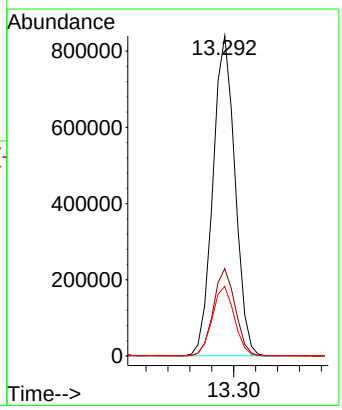
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

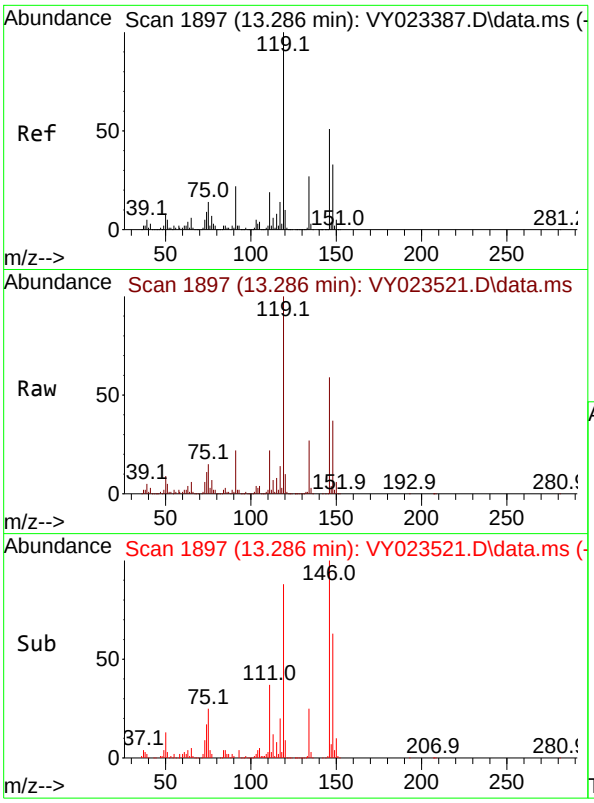


#86
p-Isopropyltoluene
Concen: 57.354 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:119 Resp: 1176613

Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	21.7	10.9	32.9

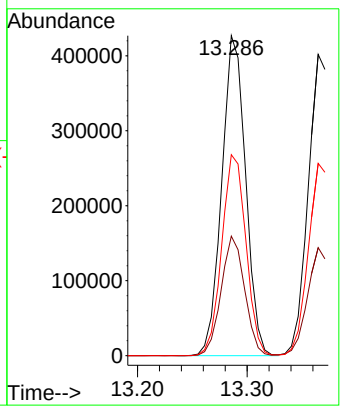




#87
1,3-Dichlorobenzene
Concen: 55.296 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:146 Resp: 64446

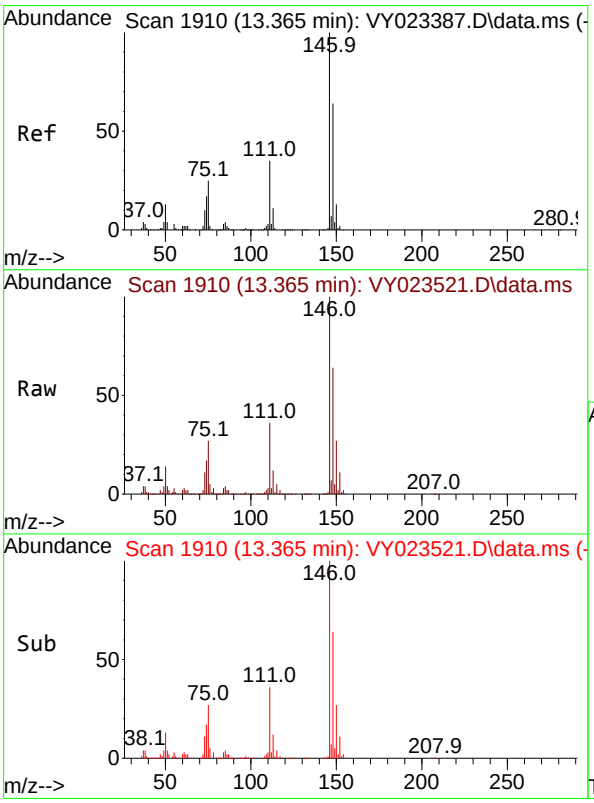
Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.7	56.1
148	63.8	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

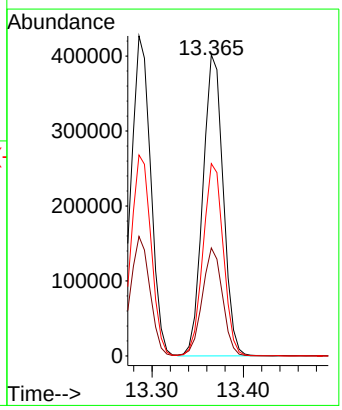
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

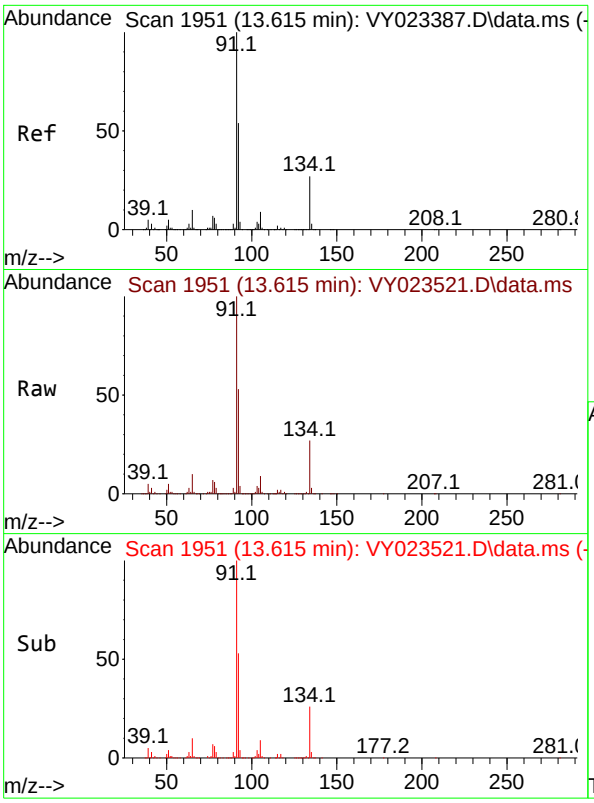


#88
1,4-Dichlorobenzene
Concen: 53.800 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:146 Resp: 619278

Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.0	54.0
148	63.7	31.9	95.7

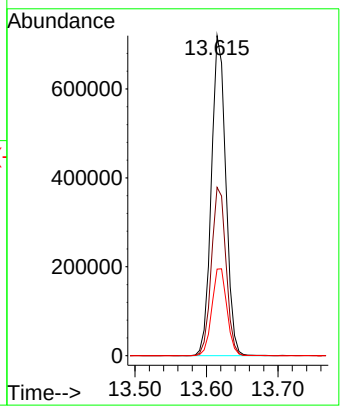




#89
n-Butylbenzene
Concen: 56.295 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 91 Resp: 100629

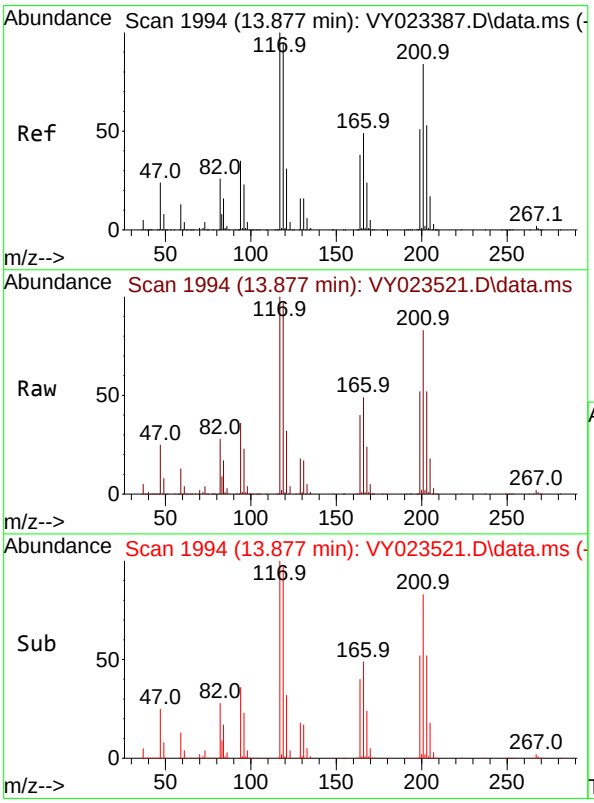
Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	80.8
134	28.4	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

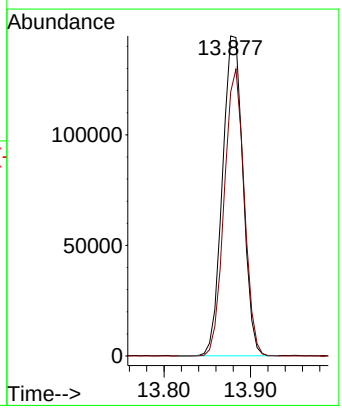
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

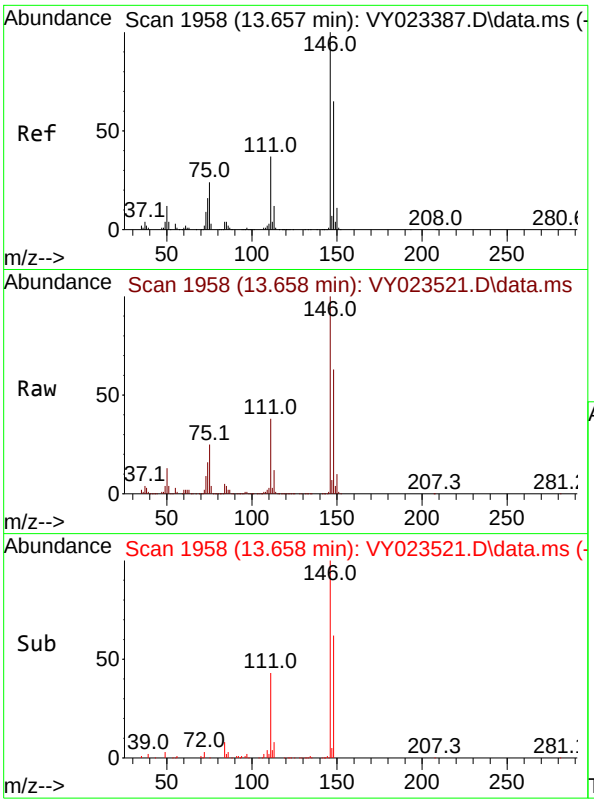


#90
Hexachloroethane
Concen: 54.052 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:117 Resp: 238499

Ion	Ratio	Lower	Upper
117	100		
201	87.0	43.8	131.4

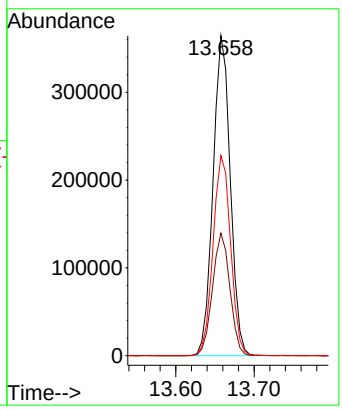




#91
1,2-Dichlorobenzene
Concen: 54.620 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:146 Resp: 55811

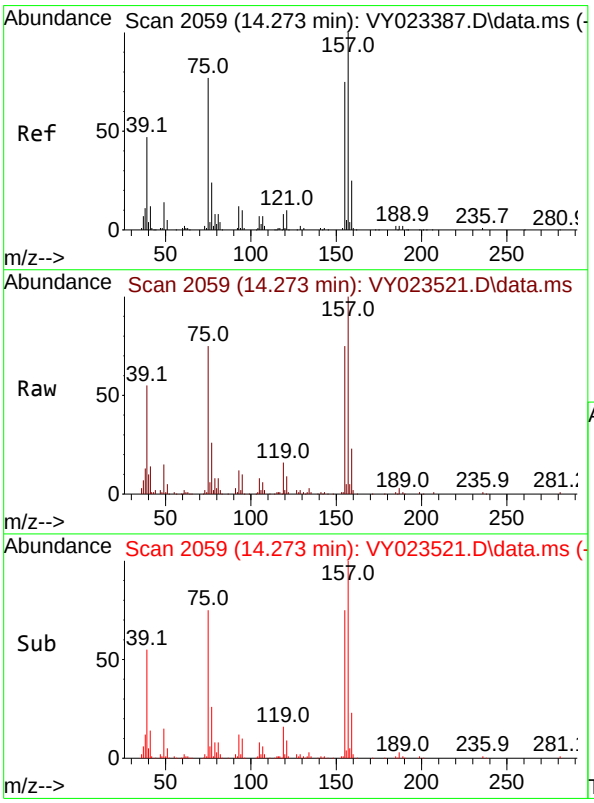
Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.0	57.0
148	63.9	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

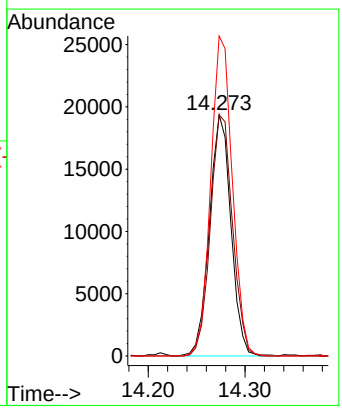
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

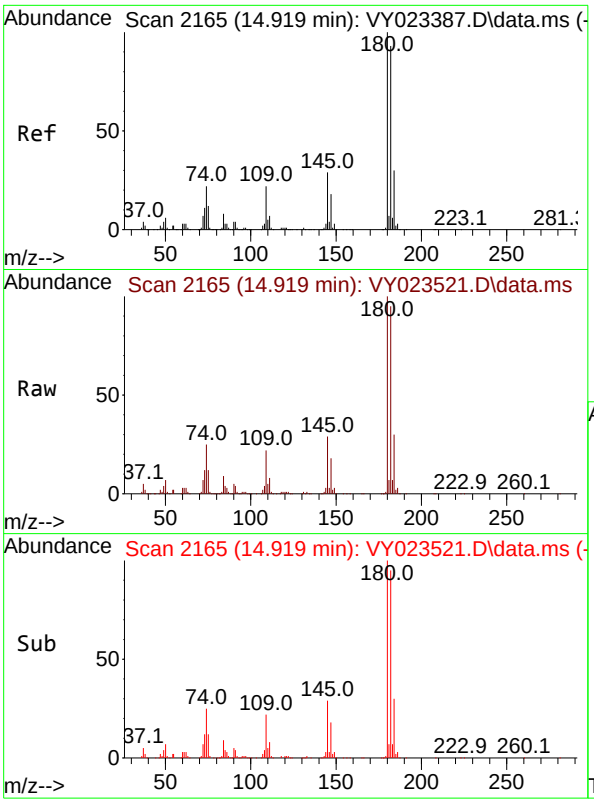


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.569 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion: 75 Resp: 29948

Ion	Ratio	Lower	Upper
75	100		
155	102.7	50.0	150.0
157	133.3	63.8	191.5

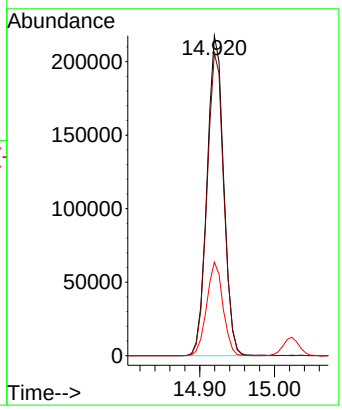




#93
1,2,4-Trichlorobenzene
Concen: 52.665 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:180 Resp: 33548

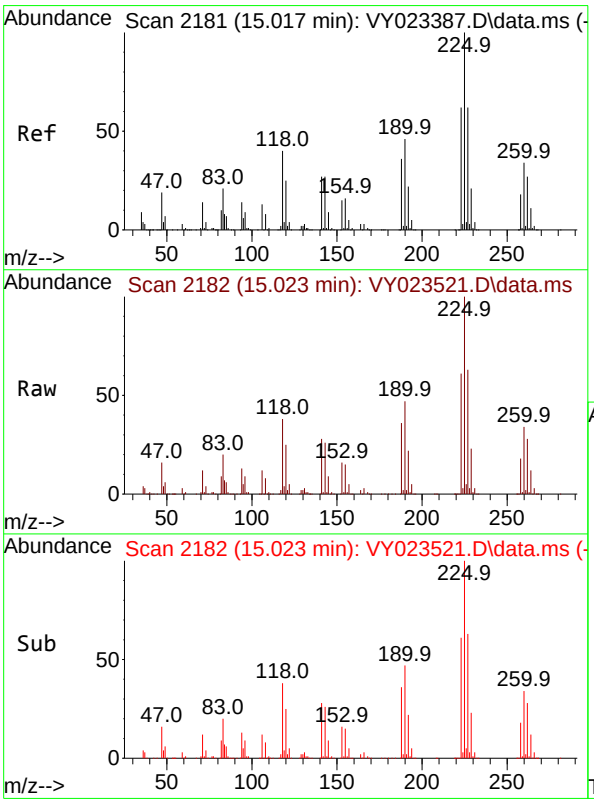
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	28.7	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

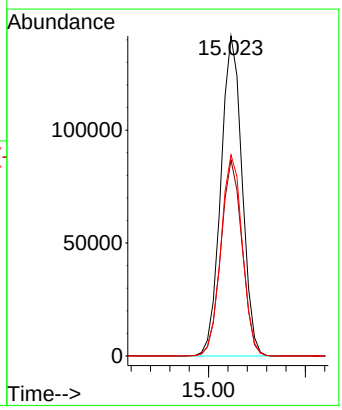
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

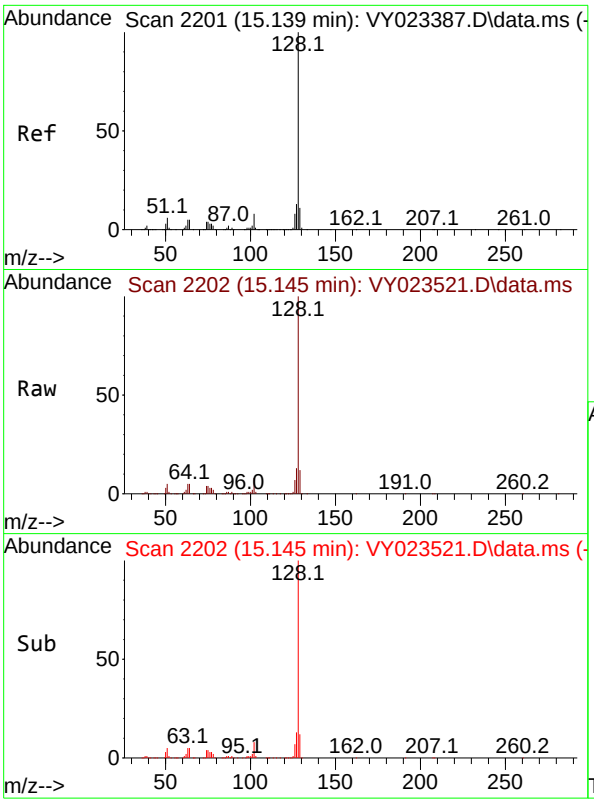


#94
Hexachlorobutadiene
Concen: 54.210 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:225 Resp: 215262

Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.8	92.3
227	63.6	31.9	95.7

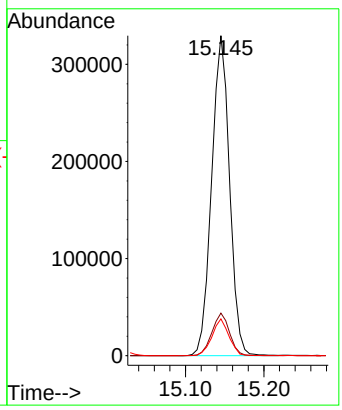




#95
Naphthalene
Concen: 51.618 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:128 Resp: 52360

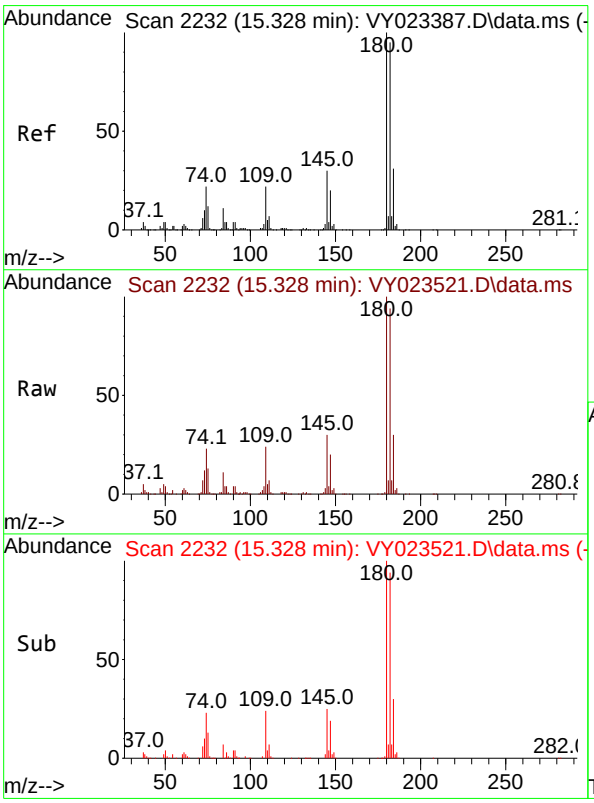
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

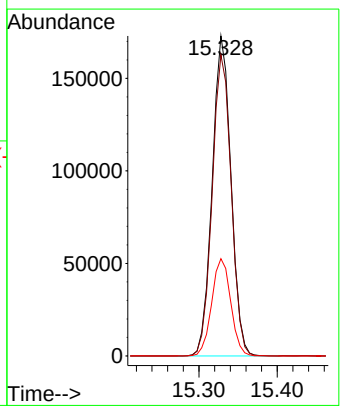
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.203 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023521.D
Acq: 21 Oct 2025 09:05

Tgt Ion:180 Resp: 288040

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.8
145	30.9	15.3	45.9



Sample Results: **VY023521.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023521.D
Acq On : 21 Oct 2025 09:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 01:20:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	85	0.00
2	T	Dichlorodifluoromethane	0.360	0.323	10.3	85	0.00
3	P	Chloromethane	0.490	0.450	8.2	85	0.00
4	C	Vinyl Chloride	0.639	0.605	5.3#	86	0.00
5	T	Bromomethane	0.536	0.513	4.3	93	0.00
6	T	Chloroethane	0.435	0.447	-2.8	91	0.00
7	T	Trichlorofluoromethane	0.887	0.883	0.5	89	0.00
8	T	Diethyl Ether	0.232	0.232	0.0	92	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.460	0.490	-6.5	95	0.00
10	T	Methyl Iodide	0.512	0.579	-13.1	91	0.01
11	T	Tert butyl alcohol	0.031	0.035	-12.9	117	-0.01
12	CM	1,1-Dichloroethene	0.446	0.455	-2.0#	90	0.00
13	T	Acrolein	0.044	0.015	65.9#	30#	0.00
14	T	Allyl chloride	0.544	0.522	4.0	84	0.01
15	T	Acrylonitrile	0.089	0.094	-5.6	97	0.00
16	T	Acetone	0.100	0.113	-13.0	114	0.00
17	T	Carbon Disulfide	1.277	1.260	1.3	87	0.00
18	T	Methyl Acetate	0.261	0.303	-16.1	105	0.00
19	T	Methyl tert-butyl Ether	1.072	1.116	-4.1	93	0.00
20	T	Methylene Chloride	0.538	0.509	5.4	94	0.00
21	T	trans-1,2-Dichloroethene	0.491	0.520	-5.9	94	0.00
22	T	Diisopropyl ether	1.202	1.245	-3.6	91	0.00
23	T	Vinyl Acetate	0.651	0.646	0.8	88	0.00
24	P	1,1-Dichloroethane	0.796	0.840	-5.5	94	0.00
25	T	2-Butanone	0.122	0.124	-1.6	100	0.00
26	T	2,2-Dichloropropane	0.731	0.783	-7.1	94	0.00
27	T	cis-1,2-Dichloroethene	0.567	0.614	-8.3	96	0.00
28	T	Bromochloromethane	0.297	0.269	9.4	85	0.00
29	T	Tetrahydrofuran	0.069	0.068	1.4	91	0.00
30	C	Chloroform	0.875	0.960	-9.7#	97	0.00
31	T	Cyclohexane	0.696	0.643	7.6	85	0.00
32	T	1,1,1-Trichloroethane	0.795	0.859	-8.1	95	0.00
33	S	1,2-Dichloroethane-d4	0.418	0.408	2.4	88	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
35	S	Dibromofluoromethane	0.307	0.331	-7.8	90	0.00
36	T	1,1-Dichloropropene	0.407	0.457	-12.3	93	0.00
37	T	Ethyl Acetate	0.161	0.173	-7.5	94	0.00
38	T	Carbon Tetrachloride	0.493	0.562	-14.0	95	0.00
39	T	Methylcyclohexane	0.530	0.568	-7.2	88	0.00
40	TM	Benzene	1.288	1.448	-12.4	94	0.00
41	T	Methacrylonitrile	0.087	0.081	6.9	82	0.00
42	TM	1,2-Dichloroethane	0.332	0.360	-8.4	93	0.00
43	T	Isopropyl Acetate	0.321	0.332	-3.4	90	0.00
44	TM	Trichloroethene	0.377	0.421	-11.7	93	0.00
45	C	1,2-Dichloropropane	0.285	0.320	-12.3#	95	0.00
46	T	Dibromomethane	0.180	0.210	-16.7	99	0.00
47	T	Bromodichloromethane	0.453	0.522	-15.2	97	0.00
48	T	Methyl methacrylate	0.151	0.159	-5.3	87	0.00

Sample Results: **VY023521.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023521.D
Acq On : 21 Oct 2025 09:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 01:20:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	90	0.00
50	S	Toluene-d8	1.144	1.218	-6.5	88	0.00
51	T	4-Methyl-2-Pentanone	0.166	0.186	-12.0	95	0.00
52	CM	Toluene	0.836	0.967	-15.7#	95	0.00
53	T	t-1,3-Dichloropropene	0.394	0.441	-11.9	93	0.00
54	T	cis-1,3-Dichloropropene	0.465	0.524	-12.7	94	0.00
55	T	1,1,2-Trichloroethane	0.242	0.285	-17.8	100	0.00
56	T	Ethyl methacrylate	0.279	0.319	-14.3	93	0.00
57	T	1,3-Dichloropropane	0.383	0.440	-14.9	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.125	0.140	-12.0	88	0.00
59	T	2-Hexanone	0.119	0.135	-13.4	98	0.00
60	T	Dibromochloromethane	0.339	0.403	-18.9	100	0.00
61	T	1,2-Dibromoethane	0.231	0.269	-16.5	98	0.00
62	S	4-Bromofluorobenzene	0.378	0.405	-7.1	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.516	0.575	-11.4	94	0.00
65	PM	Chlorobenzene	1.087	1.181	-8.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.436	-12.4	100	0.00
67	C	Ethyl Benzene	1.760	1.961	-11.4#	95	0.00
68	T	m/p-Xylenes	0.706	0.799	-13.2	95	0.00
69	T	o-Xylene	0.662	0.739	-11.6	95	0.00
70	T	Styrene	1.089	1.261	-15.8	97	0.00
71	P	Bromoform	0.240	0.269	-12.1	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
73	T	Isopropylbenzene	3.295	3.640	-10.5	96	0.00
74	T	N-amyl acetate	0.592	0.592	0.0	89	0.00
75	P	1,1,2,2-Tetrachloroethane	0.539	0.571	-5.9	100	0.00
76	T	1,2,3-Trichloropropane	0.441	0.442	-0.2	89	0.00
77	T	Bromobenzene	0.876	0.950	-8.4	98	0.00
78	T	n-propylbenzene	3.813	4.268	-11.9	96	0.00
79	T	2-Chlorotoluene	2.233	2.432	-8.9	95	0.00
80	T	1,3,5-Trimethylbenzene	2.663	3.006	-12.9	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.180	0.181	-0.6	93	0.00
82	T	4-Chlorotoluene	2.300	2.543	-10.6	97	0.00
83	T	tert-Butylbenzene	2.458	2.746	-11.7	95	0.00
84	T	1,2,4-Trimethylbenzene	2.657	2.999	-12.9	97	0.00
85	T	sec-Butylbenzene	3.527	3.981	-12.9	97	0.00
86	T	p-Isopropyltoluene	3.003	3.444	-14.7	97	0.00
87	T	1,3-Dichlorobenzene	1.706	1.887	-10.6	99	0.00
88	T	1,4-Dichlorobenzene	1.685	1.813	-7.6	97	0.00
89	T	n-Butylbenzene	2.616	2.946	-12.6	96	0.00
90	T	Hexachloroethane	0.646	0.698	-8.0	97	0.00
91	T	1,2-Dichlorobenzene	1.496	1.634	-9.2	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.088	0.088	0.0	92	0.00
93	T	1,2,4-Trichlorobenzene	0.932	0.982	-5.4	93	0.00
94	T	Hexachlorobutadiene	0.581	0.630	-8.4	95	0.00
95	T	Naphthalene	1.485	1.533	-3.2	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023521.D
Acq On : 21 Oct 2025 09:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 01:20:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	0.808	0.843	-4.3	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY023521.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023521.D
Acq On : 21 Oct 2025 09:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 01:20:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	85	0.00
2	T	Dichlorodifluoromethane	50.000	44.813	10.4	85	0.00
3	P	Chloromethane	50.000	45.905	8.2	85	0.00
4	C	Vinyl Chloride	50.000	47.380	5.2#	86	0.00
5	T	Bromomethane	50.000	47.876	4.2	93	0.00
6	T	Chloroethane	50.000	51.292	-2.6	91	0.00
7	T	Trichlorofluoromethane	50.000	49.812	0.4	89	0.00
8	T	Diethyl Ether	50.000	50.089	-0.2	92	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.302	-6.6	95	0.00
10	T	Methyl Iodide	50.000	56.473	-12.9	91	0.01
11	T	Tert butyl alcohol	250.000	277.313	-10.9	117	-0.01
12	CM	1,1-Dichloroethene	50.000	51.029	-2.1#	90	0.00
13	T	Acrolein	250.000	84.654	66.1#	30	0.00
14	T	Allyl chloride	50.000	48.058	3.9	84	0.01
15	T	Acrylonitrile	250.000	263.862	-5.5	97	0.00
16	T	Acetone	250.000	283.840	-13.5	114	0.00
17	T	Carbon Disulfide	50.000	49.345	1.3	87	0.00
18	T	Methyl Acetate	50.000	57.978	-16.0	105	0.00
19	T	Methyl tert-butyl Ether	50.000	52.056	-4.1	93	0.00
20	T	Methylene Chloride	50.000	47.285	5.4	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.909	-5.8	94	0.00
22	T	Diisopropyl ether	50.000	51.770	-3.5	91	0.00
23	T	Vinyl Acetate	250.000	248.276	0.7	88	0.00
24	P	1,1-Dichloroethane	50.000	52.756	-5.5	94	0.00
25	T	2-Butanone	250.000	255.620	-2.2	100	0.00
26	T	2,2-Dichloropropane	50.000	53.566	-7.1	94	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.150	-8.3	96	0.00
28	T	Bromochloromethane	50.000	45.218	9.6	85	0.00
29	T	Tetrahydrofuran	250.000	248.167	0.7	91	0.00
30	C	Chloroform	50.000	54.848	-9.7#	97	0.00
31	T	Cyclohexane	50.000	46.252	7.5	85	0.00
32	T	1,1,1-Trichloroethane	50.000	54.031	-8.1	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.767	2.5	88	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
35	S	Dibromofluoromethane	50.000	53.936	-7.9	90	0.00
36	T	1,1-Dichloropropene	50.000	56.137	-12.3	93	0.00
37	T	Ethyl Acetate	50.000	53.760	-7.5	94	0.00
38	T	Carbon Tetrachloride	50.000	57.004	-14.0	95	0.00
39	T	Methylcyclohexane	50.000	53.642	-7.3	88	0.00
40	TM	Benzene	50.000	56.189	-12.4	94	0.00
41	T	Methacrylonitrile	50.000	46.396	7.2	82	0.00
42	TM	1,2-Dichloroethane	50.000	54.158	-8.3	93	0.00
43	T	Isopropyl Acetate	50.000	51.687	-3.4	90	0.00
44	TM	Trichloroethene	50.000	55.852	-11.7	93	0.00
45	C	1,2-Dichloropropane	50.000	56.253	-12.5#	95	0.00
46	T	Dibromomethane	50.000	58.489	-17.0	99	0.00
47	T	Bromodichloromethane	50.000	57.621	-15.2	97	0.00
48	T	Methyl methacrylate	50.000	52.590	-5.2	87	0.00

Sample Results: **VY023521.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023521.D
Acq On : 21 Oct 2025 09:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 01:20:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	1051.234	-5.1	90	0.00
50	S	Toluene-d8	50.000	53.217	-6.4	88	0.00
51	T	4-Methyl-2-Pentanone	250.000	280.345	-12.1	95	0.00
52	CM	Toluene	50.000	57.818	-15.6#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	55.984	-12.0	93	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.399	-12.8	94	0.00
55	T	1,1,2-Trichloroethane	50.000	58.815	-17.6	100	0.00
56	T	Ethyl methacrylate	50.000	57.121	-14.2	93	0.00
57	T	1,3-Dichloropropane	50.000	57.370	-14.7	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.014	-12.0	88	0.00
59	T	2-Hexanone	250.000	285.033	-14.0	98	0.00
60	T	Dibromochloromethane	50.000	59.341	-18.7	100	0.00
61	T	1,2-Dibromoethane	50.000	58.304	-16.6	98	0.00
62	S	4-Bromofluorobenzene	50.000	53.656	-7.3	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	55.688	-11.4	94	0.00
65	PM	Chlorobenzene	50.000	54.309	-8.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.268	-12.5	100	0.00
67	C	Ethyl Benzene	50.000	55.713	-11.4#	95	0.00
68	T	m/p-Xylenes	100.000	113.207	-13.2	95	0.00
69	T	o-Xylene	50.000	55.830	-11.7	95	0.00
70	T	Styrene	50.000	57.893	-15.8	97	0.00
71	P	Bromoform	50.000	56.019	-12.0	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	87	0.00
73	T	Isopropylbenzene	50.000	55.240	-10.5	96	0.00
74	T	N-amyl acetate	50.000	49.976	0.0	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.009	-6.0	100	0.00
76	T	1,2,3-Trichloropropane	50.000	50.129	-0.3	89	0.00
77	T	Bromobenzene	50.000	54.235	-8.5	98	0.00
78	T	n-propylbenzene	50.000	55.961	-11.9	96	0.00
79	T	2-Chlorotoluene	50.000	54.463	-8.9	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.451	-12.9	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.407	-0.8	93	0.00
82	T	4-Chlorotoluene	50.000	55.289	-10.6	97	0.00
83	T	tert-Butylbenzene	50.000	55.842	-11.7	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.428	-12.9	97	0.00
85	T	sec-Butylbenzene	50.000	56.437	-12.9	97	0.00
86	T	p-Isopropyltoluene	50.000	57.354	-14.7	97	0.00
87	T	1,3-Dichlorobenzene	50.000	55.296	-10.6	99	0.00
88	T	1,4-Dichlorobenzene	50.000	53.800	-7.6	97	0.00
89	T	n-Butylbenzene	50.000	56.295	-12.6	96	0.00
90	T	Hexachloroethane	50.000	54.052	-8.1	97	0.00
91	T	1,2-Dichlorobenzene	50.000	54.620	-9.2	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.569	0.9	92	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.665	-5.3	93	0.00
94	T	Hexachlorobutadiene	50.000	54.210	-8.4	95	0.00
95	T	Naphthalene	50.000	51.618	-3.2	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023521.D
Acq On : 21 Oct 2025 09:05
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 01:20:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.203	-4.4	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

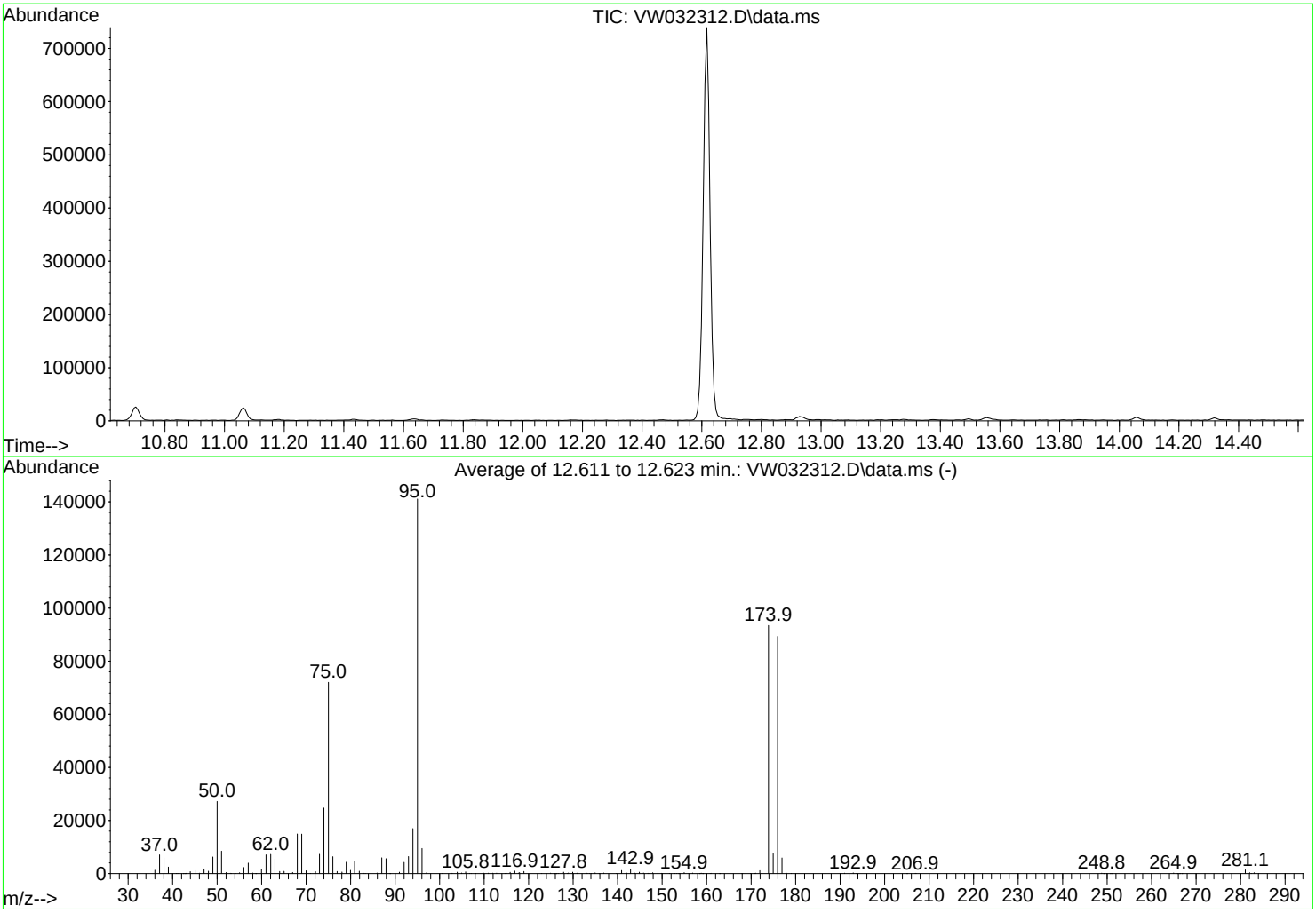
Sample Results: **VW032312.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
Data File : VW032312.D
Acq On : 01 Oct 2025 08:12
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\82W100125S.M
Title : SW846 8260
Last Update : Thu Oct 02 21:24:16 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	27221	PASS
75	95	30	60	51.1	72061	PASS
95	95	100	100	100.0	141091	PASS
96	95	5	9	6.7	9491	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	66.2	93424	PASS
175	174	5	9	8.0	7516	PASS
176	174	95	101	95.6	89325	PASS
177	176	5	9	6.6	5907	PASS

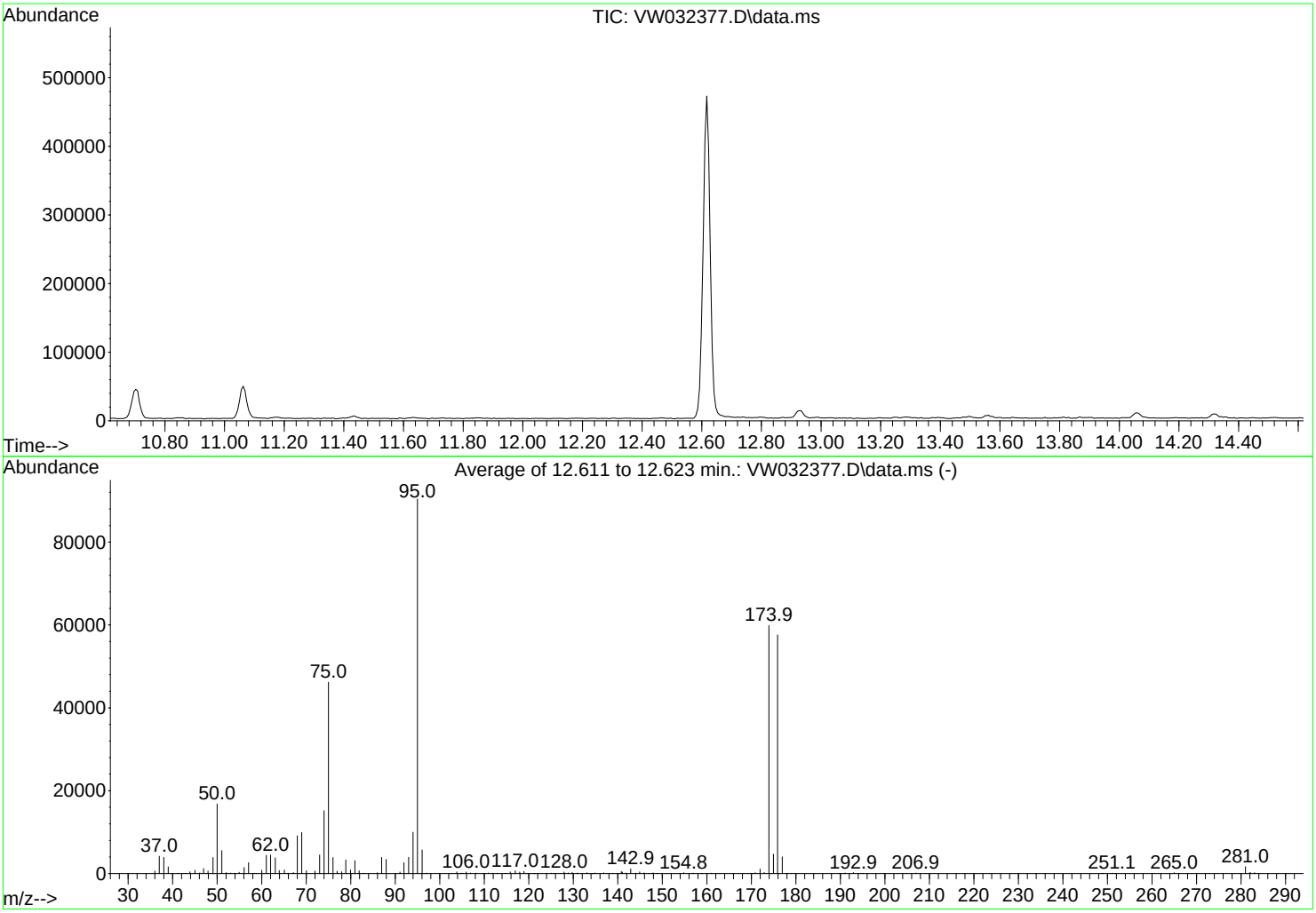
Sample Results: **VW032377.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032377.D
Acq On : 20 Oct 2025 09:36
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\82W100125S.M
Title : SW846 8260
Last Update : Thu Oct 02 21:24:16 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1749

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.6	16809	PASS
75	95	30	60	51.1	46188	PASS
95	95	100	100	100.0	90408	PASS
96	95	5	9	6.3	5736	PASS
173	174	0.00	2	0.5	276	PASS
174	95	50	100	66.2	59875	PASS
175	174	5	9	7.8	4687	PASS
176	174	95	101	96.2	57613	PASS
177	176	5	9	7.0	4059	PASS

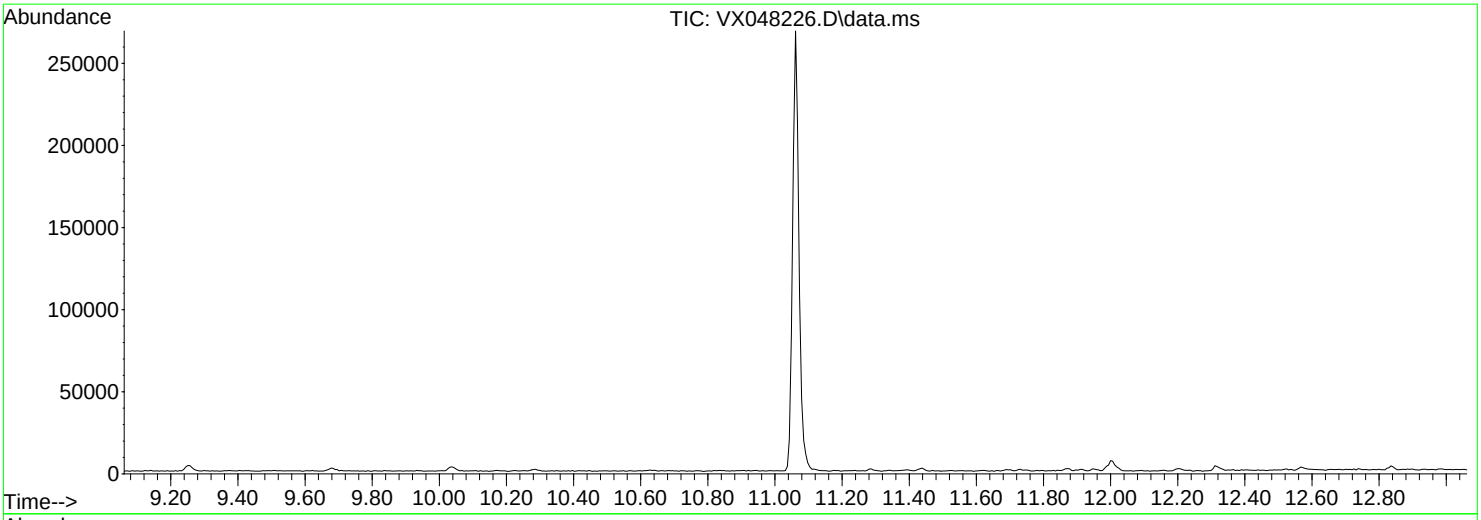
Sample Results: **VX048226.D**

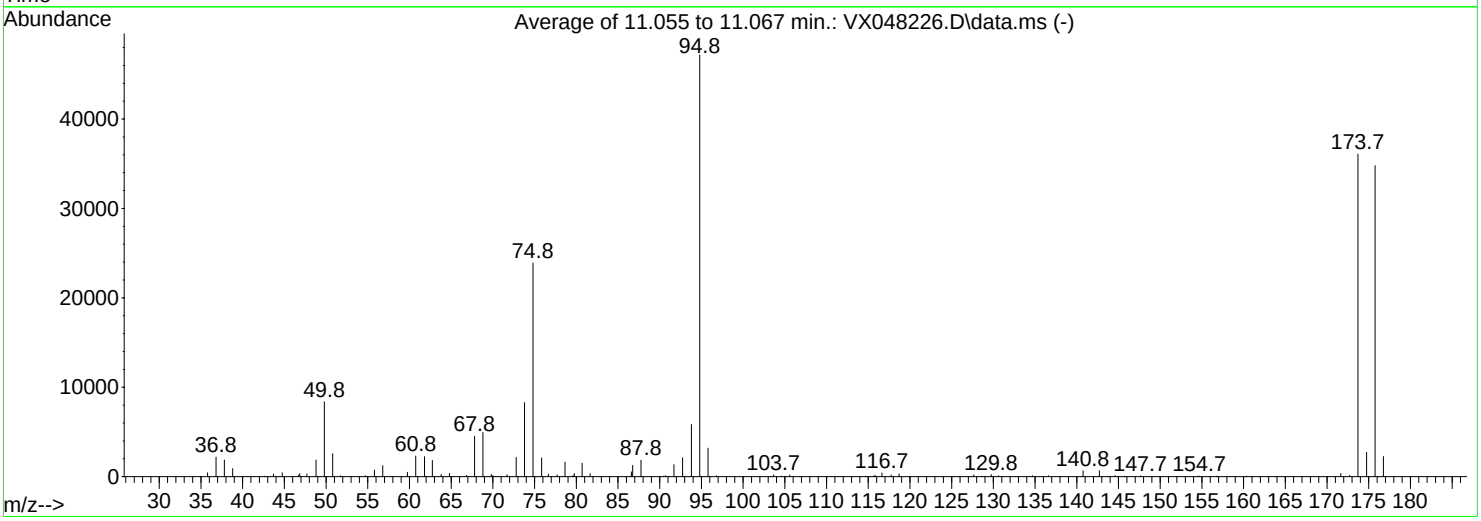
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048226.D
Acq On : 20 Oct 2025 08:15
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Title : SW846 8260
Last Update : Mon Oct 20 14:13:59 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.7	8374	PASS
75	95	30	60	50.7	23901	PASS
95	95	100	100	100.0	47184	PASS
96	95	5	9	6.8	3185	PASS
173	174	0.00	2	0.4	138	PASS
174	95	50	100	76.5	36091	PASS
175	174	5	9	7.5	2719	PASS
176	174	95	101	96.4	34800	PASS
177	176	5	9	6.5	2253	PASS

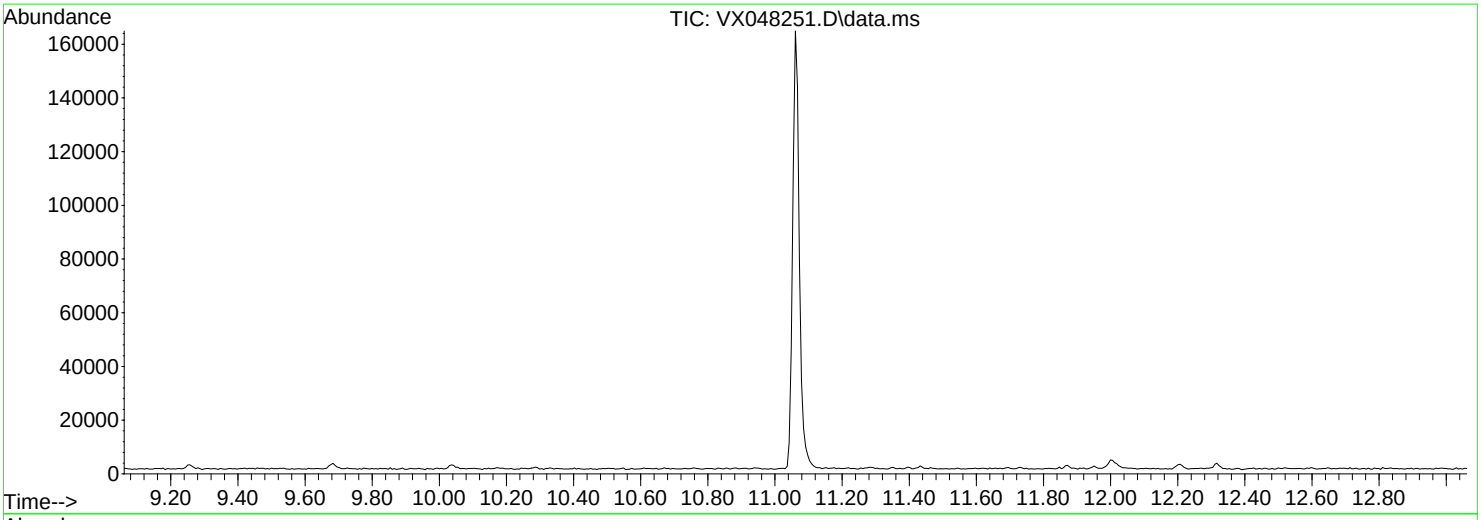
Sample Results: **VX048251.D**

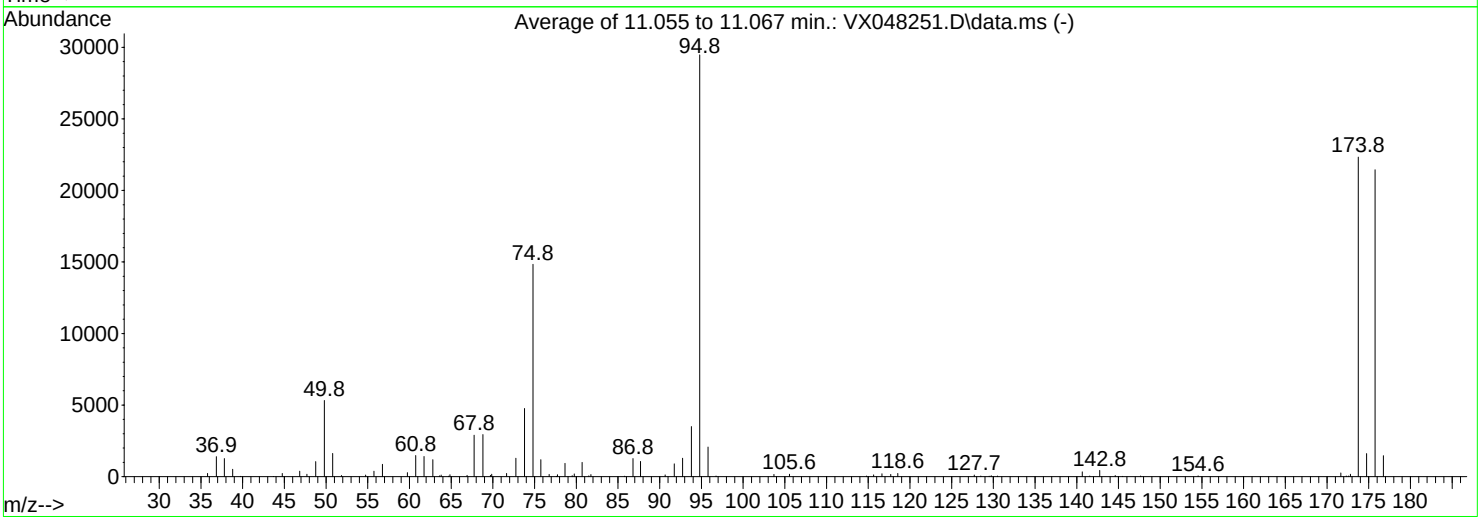
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048251.D
Acq On : 21 Oct 2025 08:12
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Title : SW846 8260
Last Update : Mon Oct 20 14:13:59 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	5318	PASS
75	95	30	60	50.3	14833	PASS
95	95	100	100	100.0	29475	PASS
96	95	5	9	7.0	2071	PASS
173	174	0.00	2	0.7	166	PASS
174	95	50	100	75.8	22330	PASS
175	174	5	9	7.2	1615	PASS
176	174	95	101	96.1	21451	PASS
177	176	5	9	6.8	1462	PASS

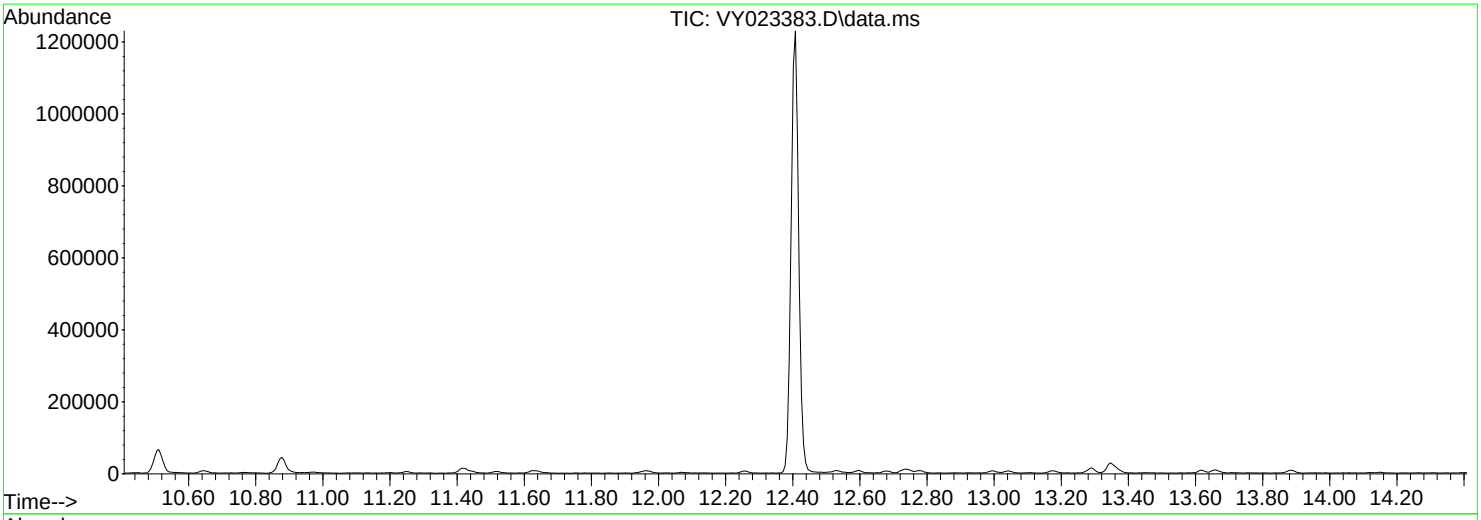
Sample Results: **VY023383.D**

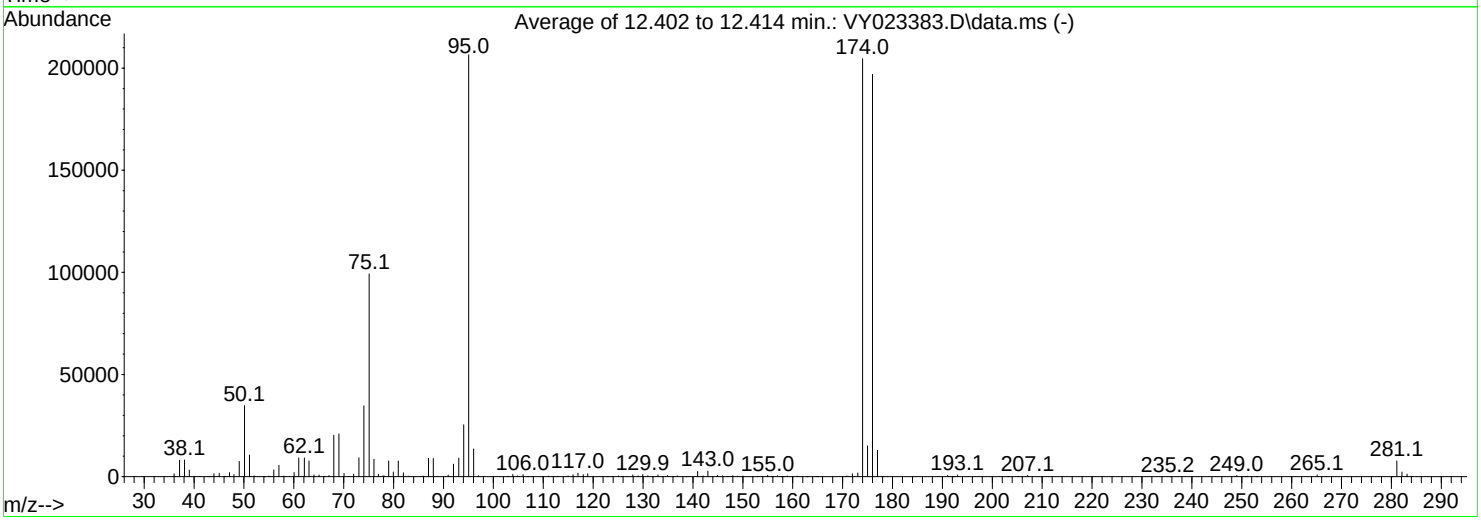
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023383.D
Acq On : 07 Oct 2025 08:43
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260
Last Update : Wed Oct 08 05:12:50 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	34816	PASS
75	95	30	60	48.1	99264	PASS
95	95	100	100	100.0	206507	PASS
96	95	5	9	6.6	13540	PASS
173	174	0.00	2	0.9	1817	PASS
174	95	50	100	99.1	204629	PASS
175	174	5	9	7.4	15059	PASS
176	174	95	101	96.2	196949	PASS
177	176	5	9	6.6	12912	PASS

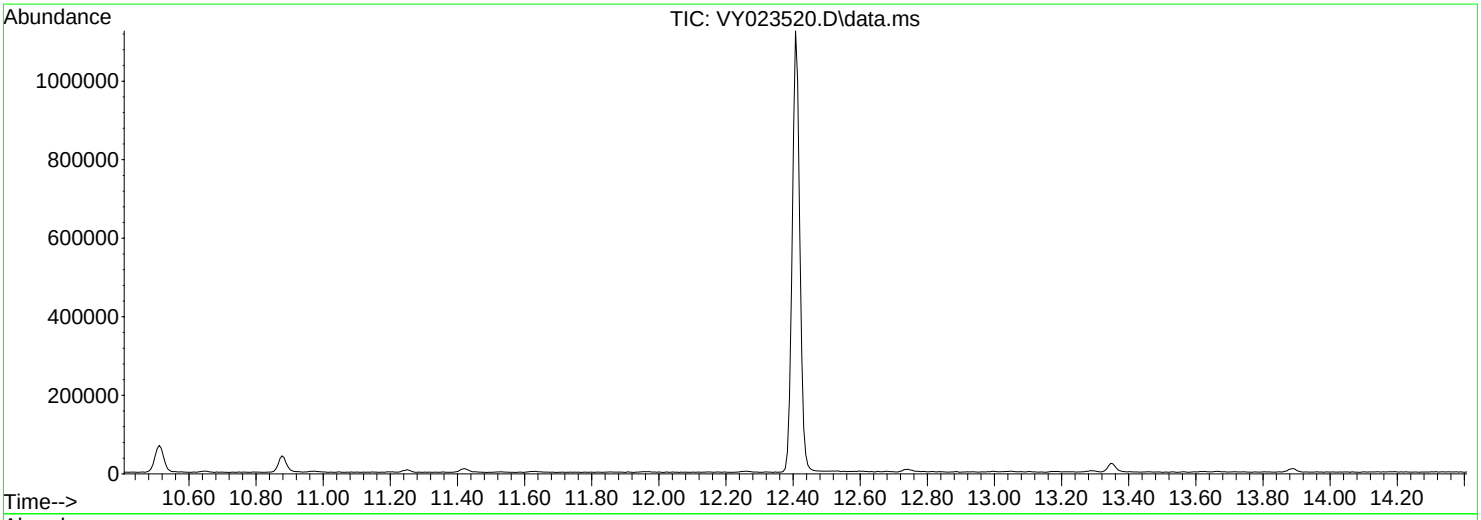
Sample Results: **VY023520.D**

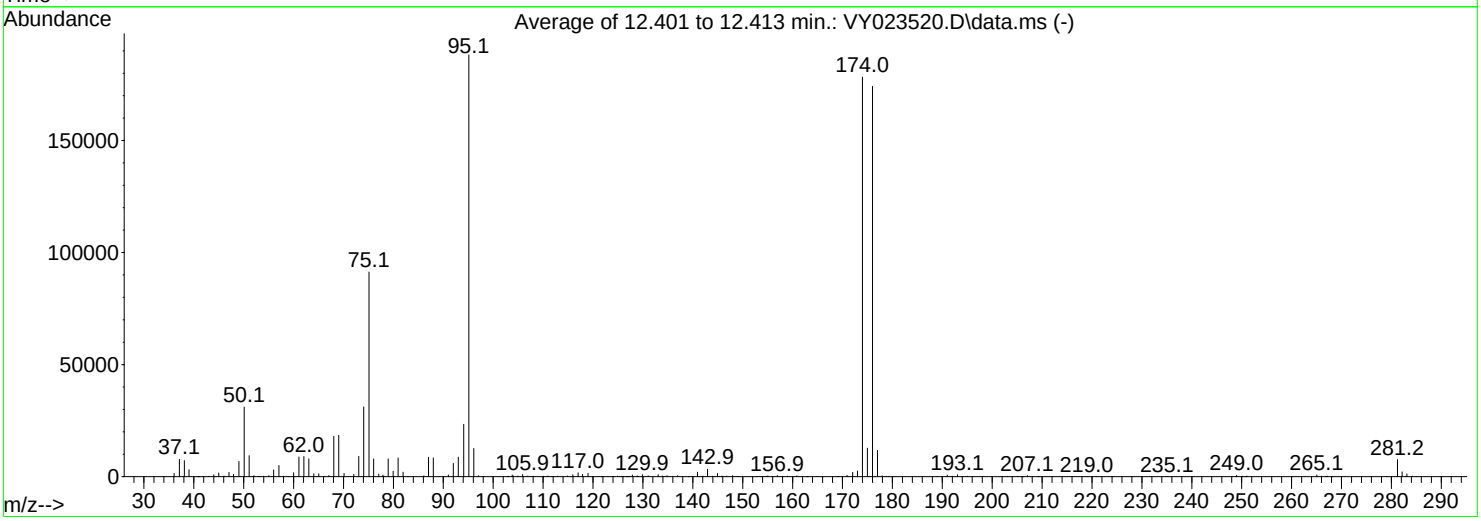
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023520.D
Acq On : 21 Oct 2025 08:29
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260
Last Update : Wed Oct 08 05:12:50 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.5	31051	PASS
75	95	30	60	48.5	91288	PASS
95	95	100	100	100.0	188203	PASS
96	95	5	9	6.7	12595	PASS
173	174	0.00	2	1.4	2489	PASS
174	95	50	100	94.7	178283	PASS
175	174	5	9	7.1	12726	PASS
176	174	95	101	97.7	174101	PASS
177	176	5	9	6.7	11711	PASS

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBL01	SDG No.:	Q3376
Lab Sample ID:	VW1020SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/20/25 11:11	VW102025
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/20/25 11:11	VW102025
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/20/25 11:11	VW102025
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/20/25 11:11	VW102025
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 11:11	VW102025
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/20/25 11:11	VW102025
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 11:11	VW102025
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/20/25 11:11	VW102025
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/20/25 11:11	VW102025
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/20/25 11:11	VW102025
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/20/25 11:11	VW102025
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/20/25 11:11	VW102025
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/20/25 11:11	VW102025
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/20/25 11:11	VW102025
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/20/25 11:11	VW102025
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/20/25 11:11	VW102025
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/20/25 11:11	VW102025
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/20/25 11:11	VW102025
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/20/25 11:11	VW102025
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/20/25 11:11	VW102025
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/20/25 11:11	VW102025
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/20/25 11:11	VW102025
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/20/25 11:11	VW102025
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/20/25 11:11	VW102025
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/20/25 11:11	VW102025
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 11:11	VW102025

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBL01	SDG No.:	Q3376
Lab Sample ID:	VW1020SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/20/25 11:11	VW102025
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/20/25 11:11	VW102025
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 11:11	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/20/25 11:11	VW102025
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/20/25 11:11	VW102025
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/20/25 11:11	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	65.7			63 - 155	131%	SPK: 50		
1868-53-7	Dibromofluoromethane	58.2			70 - 134	116%	SPK: 50		
2037-26-5	Toluene-d8	54.5			74 - 123	109%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.8			17 - 146	104%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	172000							
540-36-3	1,4-Difluorobenzene	393000							
3114-55-4	Chlorobenzene-d5	401000							
3855-82-1	1,4-Dichlorobenzene-d4	189000							

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\VW102025\
Data File : VW032379.D
Acq On : 20 Oct 2025 11:11
Operator : SY/MD
Sample : VW1020SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBL01

Quant Time: Oct 21 01:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

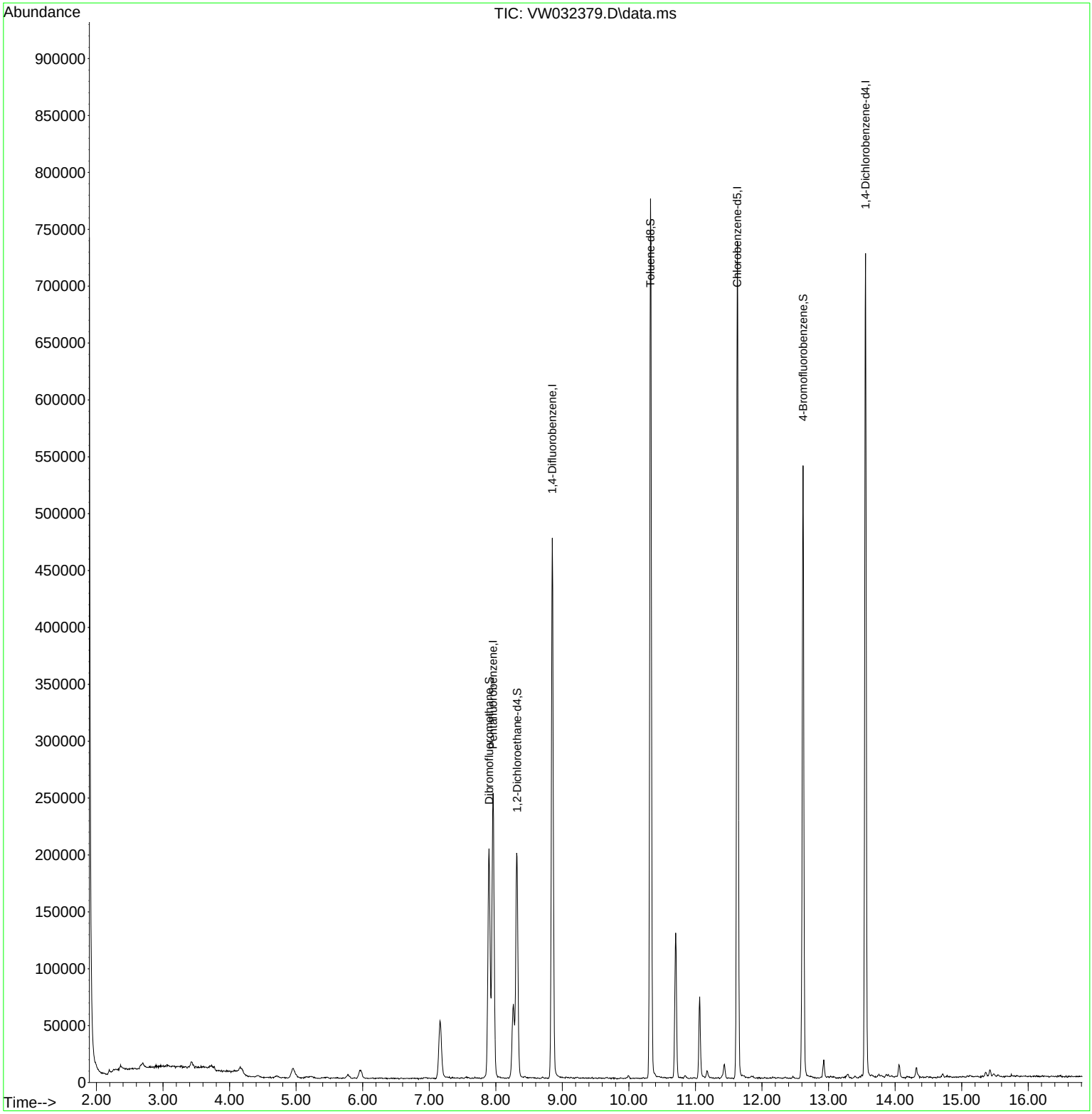
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	172114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	392797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	400571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	188560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	164963	65.712	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 131.420%			
35) Dibromofluoromethane	7.898	113	148107	58.223	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 116.440%			
50) Toluene-d8	10.325	98	512060	54.541	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 109.080%			
62) 4-Bromofluorobenzene	12.617	95	183742	51.779	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 103.560%			
Target Compounds						Qvalue

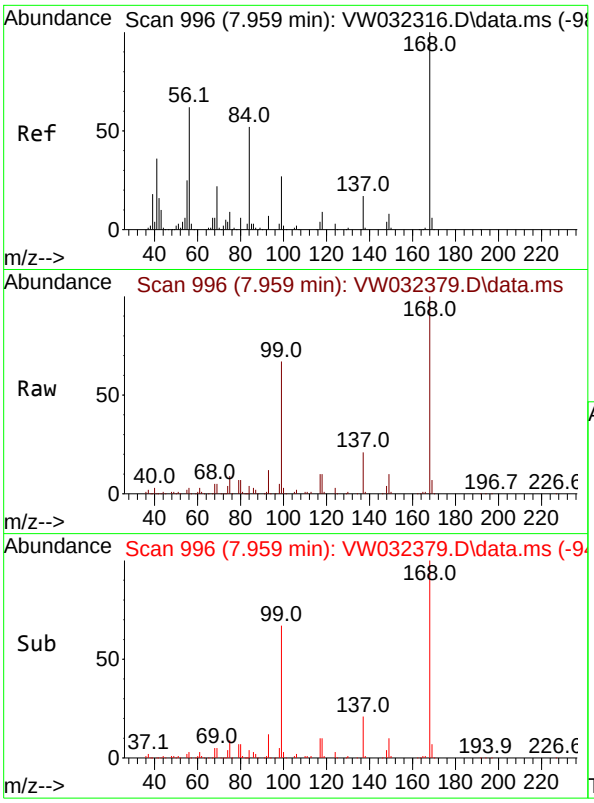
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032379.D
Acq On : 20 Oct 2025 11:11
Operator : SY/MD
Sample : VW1020SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBL01

Quant Time: Oct 21 01:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration



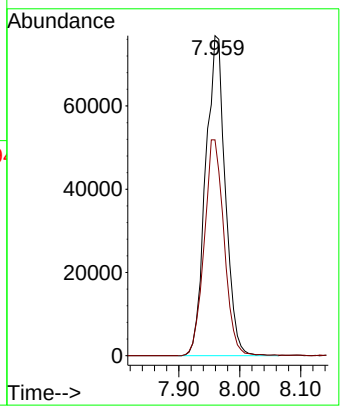


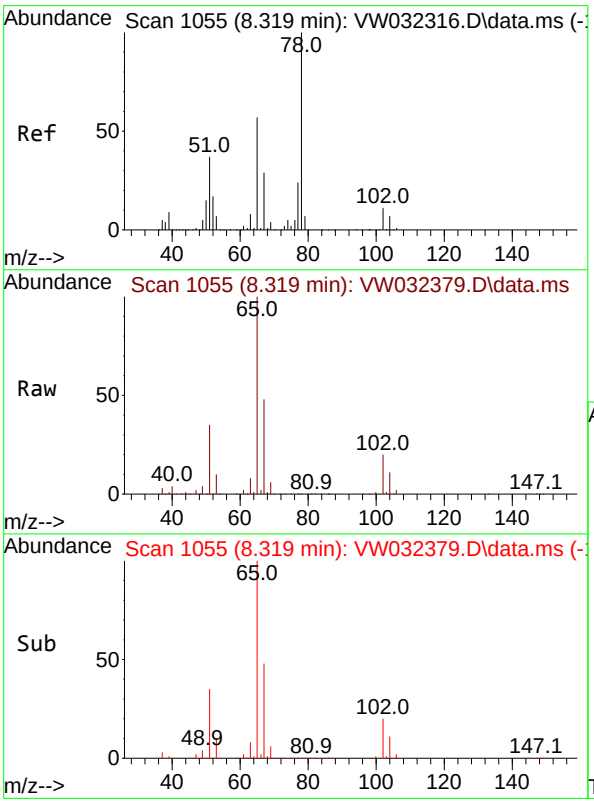
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032379.D
Acq: 20 Oct 2025 11:11

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBL01

Tgt Ion:168 Resp: 172114

Ion	Ratio	Lower	Upper
168	100		
99	67.4	49.3	73.9

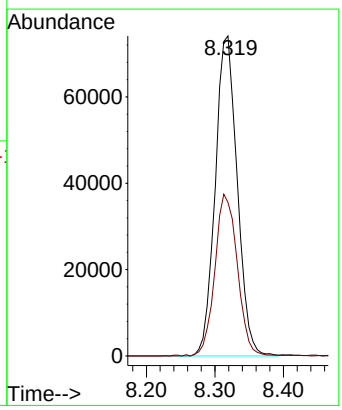


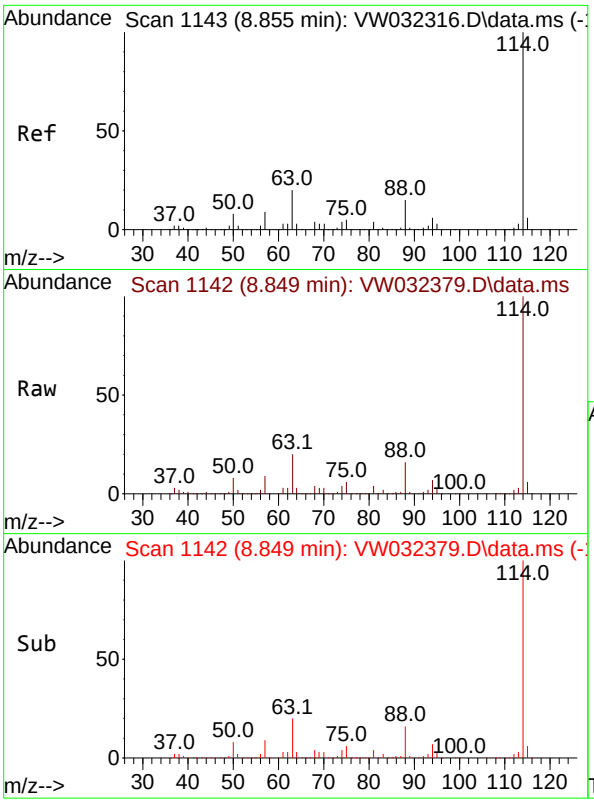


#33
1,2-Dichloroethane-d4
Concen: 65.712 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032379.D
Acq: 20 Oct 2025 11:11

Tgt Ion: 65 Resp: 164963

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	99.6



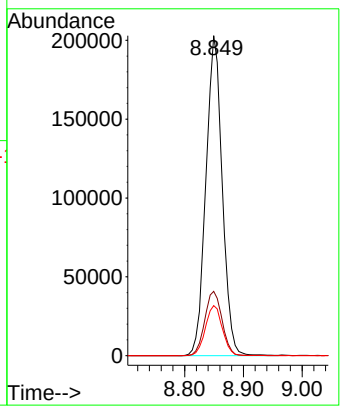


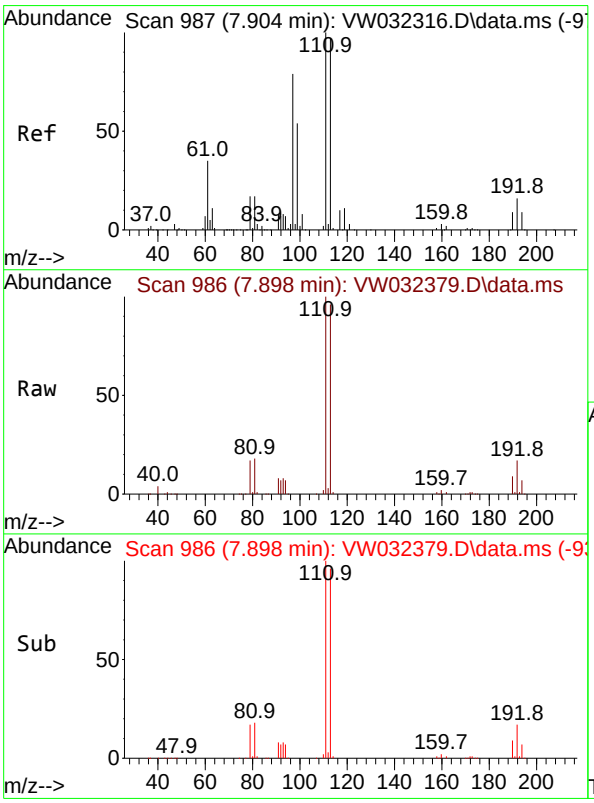
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032379.D
Acq: 20 Oct 2025 11:11

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBL01

Tgt Ion:114 Resp: 392797

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.4
88	15.6	0.0	32.0

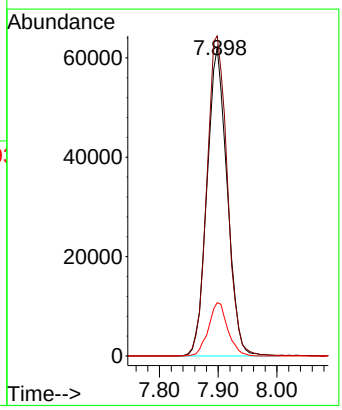


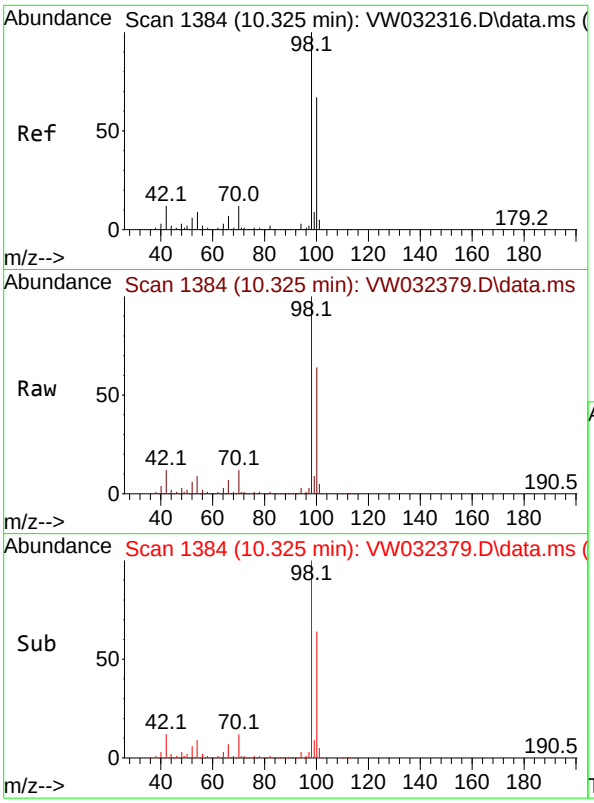


#35
Dibromofluoromethane
Concen: 58.223 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032379.D
Acq: 20 Oct 2025 11:11

Tgt Ion:113 Resp: 148107

Ion	Ratio	Lower	Upper
113	100		
111	105.1	83.9	125.9
192	16.6	14.6	21.8



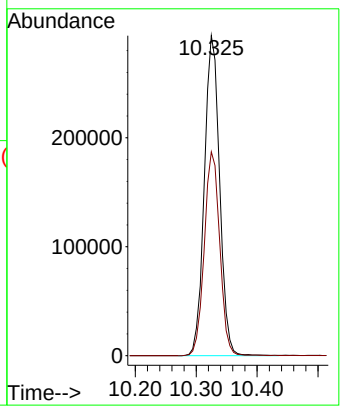


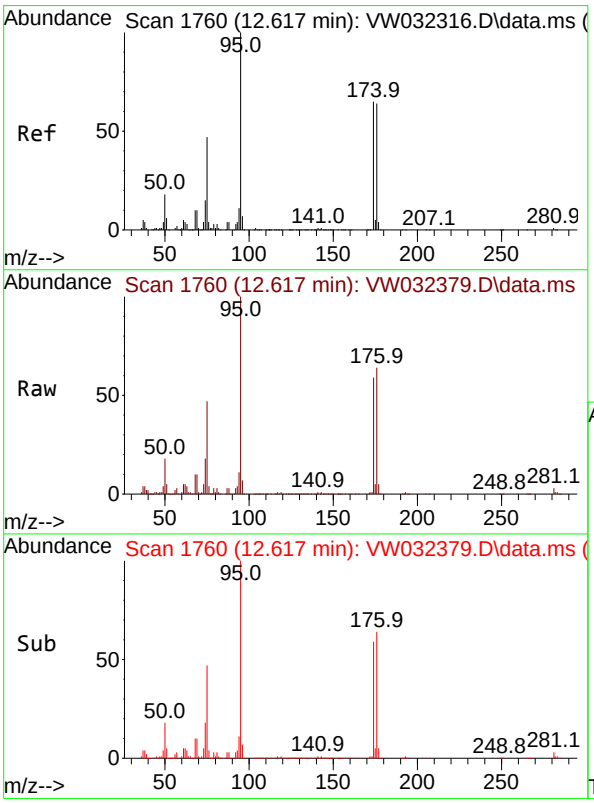
#50
Toluene-d8
Concen: 54.541 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032379.D
Acq: 20 Oct 2025 11:11

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBL01

Tgt Ion: 98 Resp: 512060

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2

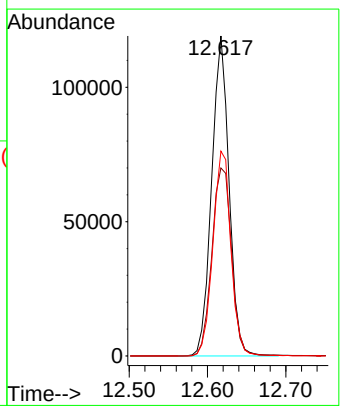


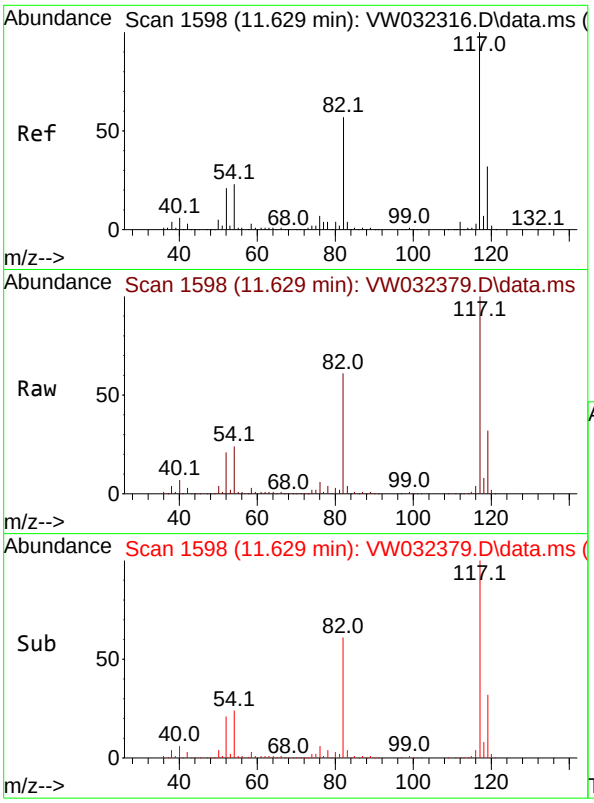


#62
4-Bromofluorobenzene
Concen: 51.779 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032379.D
Acq: 20 Oct 2025 11:11

Tgt Ion: 95 Resp: 183742

Ion	Ratio	Lower	Upper
95	100		
174	66.6	0.0	145.6
176	66.5	0.0	140.8



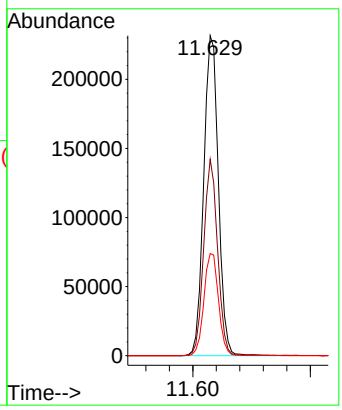


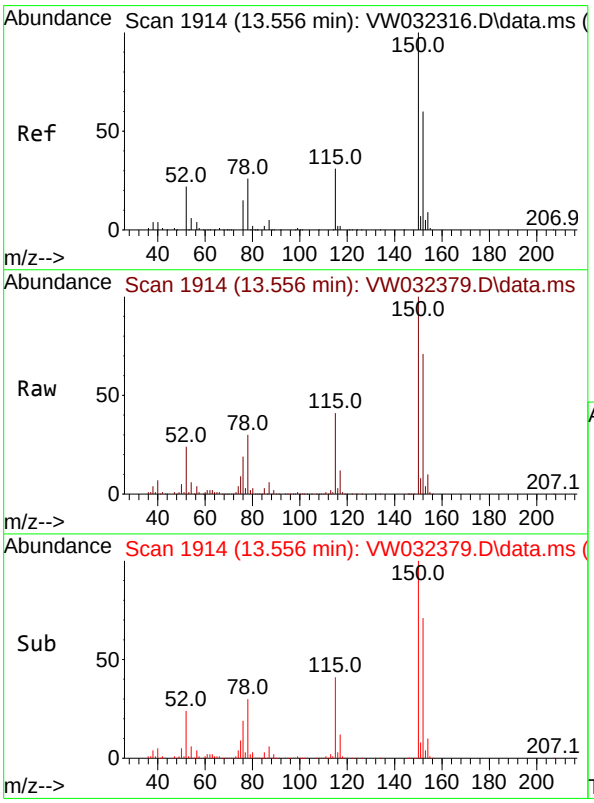
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032379.D
Acq: 20 Oct 2025 11:11

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBL01

Tgt Ion:117 Resp: 400571

Ion	Ratio	Lower	Upper
117	100		
82	61.4	42.7	64.1
119	31.9	25.2	37.8

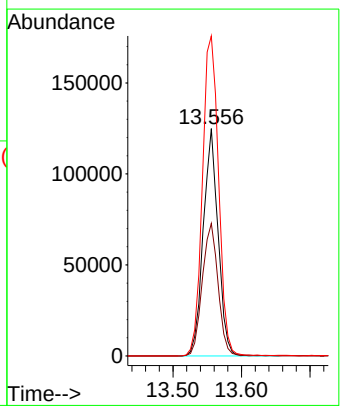




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032379.D
Acq: 20 Oct 2025 11:11

Tgt Ion:152 Resp: 188560

Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.8	95.4
150	153.1	0.0	343.0



Sample Results: **VW032379.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032379.D
Acq On : 20 Oct 2025 11:11
Operator : SY/MD
Sample : VW1020SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Title : SW846 8260

Signal : TIC: VW032379.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.698	124	133	143	rBV	5338	20772	1.52%	0.259%
2	4.954	490	503	514	rBV4	8460	34850	2.55%	0.434%
3	5.960	660	668	679	rBV6	7373	25495	1.87%	0.318%
4	7.161	855	865	879	rBV	50860	152704	11.17%	1.902%
5	7.898	972	986	991	rBV	201590	493964	36.14%	6.152%
6	7.959	991	996	1007	rVB2	249823	559899	40.97%	6.973%
7	8.264	1035	1046	1049	rBV	65149	158907	11.63%	1.979%
8	8.313	1049	1054	1069	rVB	197176	455083	33.30%	5.667%
9	8.849	1133	1142	1161	rBV	475057	956860	70.01%	11.916%
10	10.325	1375	1384	1399	rBV	772994	1366655	100.00%	17.020%
11	10.703	1437	1446	1454	rBV	127501	233716	17.10%	2.911%
12	11.062	1497	1505	1518	rBV	71876	126126	9.23%	1.571%
13	11.434	1554	1566	1574	rBV3	12762	28993	2.12%	0.361%
14	11.629	1589	1598	1608	rBV	735778	1259554	92.16%	15.686%
15	12.617	1750	1760	1771	rBV	538778	919358	67.27%	11.449%
16	12.928	1806	1811	1818	rVB2	15513	24399	1.79%	0.304%
17	13.556	1907	1914	1926	rVB	723062	1170596	85.65%	14.578%
18	14.056	1991	1996	2007	rVB	11711	22497	1.65%	0.280%
19	14.318	2032	2039	2047	rVB3	9025	19376	1.42%	0.241%

Sum of corrected areas: 8029804

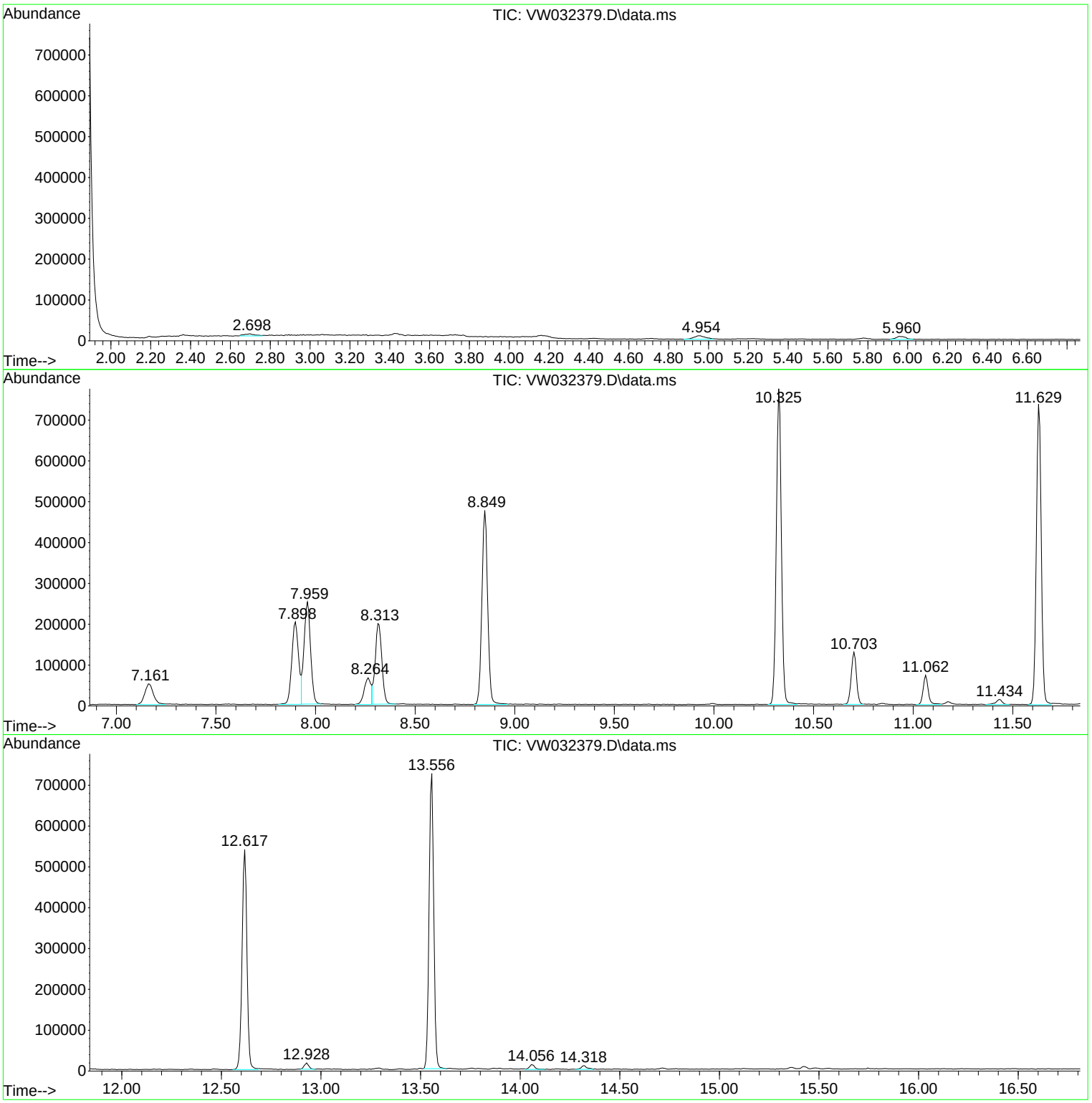
Sample Results: **VW032379.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032379.D
Acq On : 20 Oct 2025 11:11
Operator : SY/MD
Sample : VW1020SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VW032379.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032379.D
Acq On : 20 Oct 2025 11:11
Operator : SY/MD
Sample : VW1020SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032379.D
Acq On : 20 Oct 2025 11:11
Operator : SY/MD
Sample : VW1020SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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

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

Raw Data: **VX048254.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1021WBL01	SDG No.:	Q3376
Lab Sample ID:	VX1021WBL01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.00	U	1	0.22	1.00	ug/L	10/21/25 09:40	VX102125
74-87-3	Chloromethane	1.00	U	1	0.32	1.00	ug/L	10/21/25 09:40	VX102125
75-01-4	Vinyl Chloride	1.00	U	1	0.26	1.00	ug/L	10/21/25 09:40	VX102125
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	10/21/25 09:40	VX102125
75-00-3	Chloroethane	1.00	U	1	0.47	1.00	ug/L	10/21/25 09:40	VX102125
75-69-4	Trichlorofluoromethane	1.00	U	1	0.33	1.00	ug/L	10/21/25 09:40	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1	0.25	1.00	ug/L	10/21/25 09:40	VX102125
75-35-4	1,1-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	10/21/25 09:40	VX102125
67-64-1	Acetone	5.00	U	1	1.50	5.00	ug/L	10/21/25 09:40	VX102125
75-15-0	Carbon Disulfide	1.00	U	1	0.21	1.00	ug/L	10/21/25 09:40	VX102125
1634-04-4	Methyl tert-butyl Ether	1.00	U	1	0.16	1.00	ug/L	10/21/25 09:40	VX102125
79-20-9	Methyl Acetate	1.00	U	1	0.27	1.00	ug/L	10/21/25 09:40	VX102125
75-09-2	Methylene Chloride	1.00	U	1	0.28	1.00	ug/L	10/21/25 09:40	VX102125
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	10/21/25 09:40	VX102125
75-34-3	1,1-Dichloroethane	1.00	U	1	0.23	1.00	ug/L	10/21/25 09:40	VX102125
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	10/21/25 09:40	VX102125
78-93-3	2-Butanone	5.00	U	1	0.98	5.00	ug/L	10/21/25 09:40	VX102125
56-23-5	Carbon Tetrachloride	1.00	U	1	0.25	1.00	ug/L	10/21/25 09:40	VX102125
156-59-2	cis-1,2-Dichloroethene	1.00	U	1	0.19	1.00	ug/L	10/21/25 09:40	VX102125
74-97-5	Bromochloromethane	1.00	U	1	0.22	1.00	ug/L	10/21/25 09:40	VX102125
67-66-3	Chloroform	1.00	U	1	0.25	1.00	ug/L	10/21/25 09:40	VX102125
71-55-6	1,1,1-Trichloroethane	1.00	U	1	0.20	1.00	ug/L	10/21/25 09:40	VX102125
108-87-2	Methylcyclohexane	1.00	U	1	0.16	1.00	ug/L	10/21/25 09:40	VX102125
71-43-2	Benzene	1.00	U	1	0.15	1.00	ug/L	10/21/25 09:40	VX102125
107-06-2	1,2-Dichloroethane	1.00	U	1	0.22	1.00	ug/L	10/21/25 09:40	VX102125
79-01-6	Trichloroethene	1.00	U	1	0.090	1.00	ug/L	10/21/25 09:40	VX102125
78-87-5	1,2-Dichloropropane	1.00	U	1	0.20	1.00	ug/L	10/21/25 09:40	VX102125
75-27-4	Bromodichloromethane	1.00	U	1	0.22	1.00	ug/L	10/21/25 09:40	VX102125
108-10-1	4-Methyl-2-Pentanone	5.00	U	1	0.68	5.00	ug/L	10/21/25 09:40	VX102125
108-88-3	Toluene	1.00	U	1	0.14	1.00	ug/L	10/21/25 09:40	VX102125
10061-02-6	t-1,3-Dichloropropene	1.00	U	1	0.17	1.00	ug/L	10/21/25 09:40	VX102125
10061-01-5	cis-1,3-Dichloropropene	1.00	U	1	0.16	1.00	ug/L	10/21/25 09:40	VX102125
79-00-5	1,1,2-Trichloroethane	1.00	U	1	0.21	1.00	ug/L	10/21/25 09:40	VX102125
591-78-6	2-Hexanone	5.00	U	1	0.89	5.00	ug/L	10/21/25 09:40	VX102125
124-48-1	Dibromochloromethane	1.00	U	1	0.18	1.00	ug/L	10/21/25 09:40	VX102125
106-93-4	1,2-Dibromoethane	1.00	U	1	0.15	1.00	ug/L	10/21/25 09:40	VX102125
127-18-4	Tetrachloroethene	1.00	U	1	0.23	1.00	ug/L	10/21/25 09:40	VX102125
108-90-7	Chlorobenzene	1.00	U	1	0.12	1.00	ug/L	10/21/25 09:40	VX102125
100-41-4	Ethyl Benzene	1.00	U	1	0.13	1.00	ug/L	10/21/25 09:40	VX102125
179601-23-1	m/p-Xylenes	2.00	U	1	0.24	2.00	ug/L	10/21/25 09:40	VX102125
95-47-6	o-Xylene	1.00	U	1	0.12	1.00	ug/L	10/21/25 09:40	VX102125
100-42-5	Styrene	1.00	U	1	0.15	1.00	ug/L	10/21/25 09:40	VX102125
75-25-2	Bromoform	1.00	U	1	0.19	1.00	ug/L	10/21/25 09:40	VX102125

Raw Data: **VX048254.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1021WBL01	SDG No.:	Q3376
Lab Sample ID:	VX1021WBL01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.00	U	1	0.12	1.00	ug/L	10/21/25 09:40	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1	0.26	1.00	ug/L	10/21/25 09:40	VX102125
541-73-1	1,3-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	10/21/25 09:40	VX102125
106-46-7	1,4-Dichlorobenzene	1.00	U	1	0.19	1.00	ug/L	10/21/25 09:40	VX102125
95-50-1	1,2-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	10/21/25 09:40	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	1	0.53	1.00	ug/L	10/21/25 09:40	VX102125
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	10/21/25 09:40	VX102125
87-61-6	1,2,3-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	10/21/25 09:40	VX102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.5			74 - 125	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.1			75 - 124	94%	SPK: 50		
2037-26-5	Toluene-d8	46.4			86 - 113	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.7			77 - 121	105%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	122000							
540-36-3	1,4-Difluorobenzene	241000							
3114-55-4	Chlorobenzene-d5	248000							
3855-82-1	1,4-Dichlorobenzene-d4	127000							

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_X\Data\VX102125\
Data File : VX048254.D
Acq On : 21 Oct 2025 09:40
Operator : JC/MD
Sample : VX1021WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

Quant Time: Oct 24 04:22:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	121915	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	240535	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	247603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	89687	52.469	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.940%			
35) Dibromofluoromethane	5.367	113	77294	47.070	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.140%			
50) Toluene-d8	8.629	98	267020	46.391	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.780%			
62) 4-Bromofluorobenzene	11.061	95	115293	52.653	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.300%			

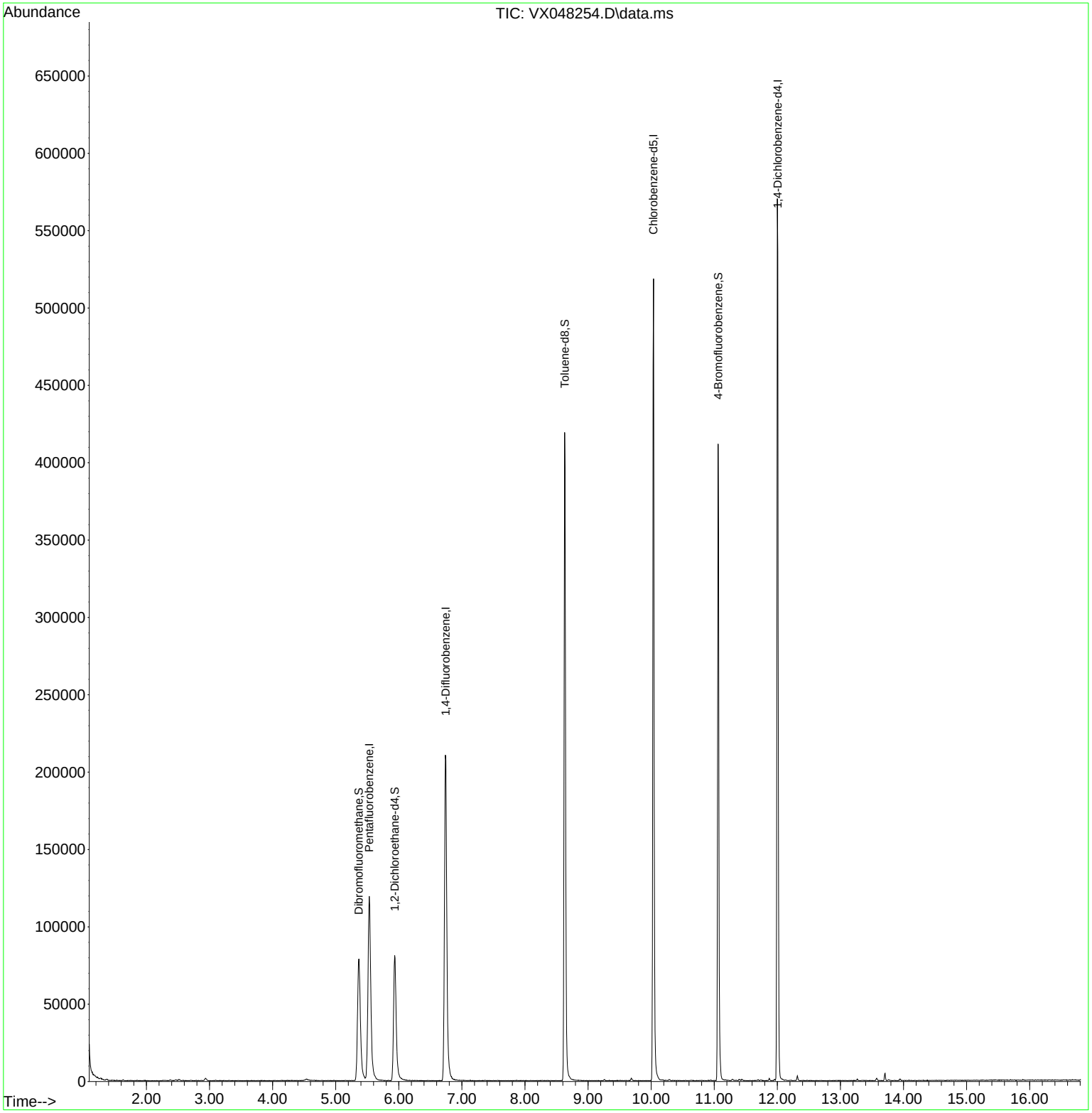
Target Compounds Qvalue

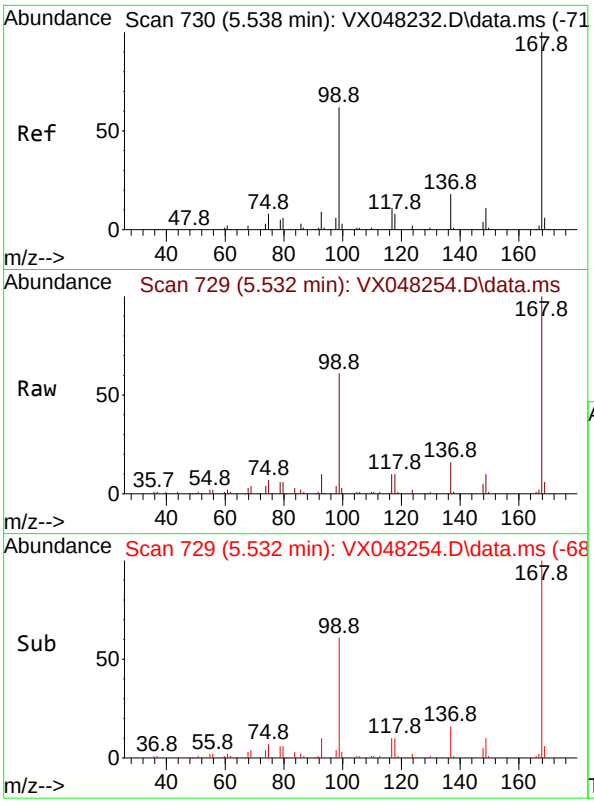
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048254.D
Acq On : 21 Oct 2025 09:40
Operator : JC/MD
Sample : VX1021WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

Quant Time: Oct 24 04:22:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



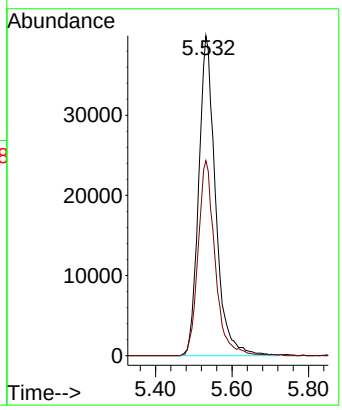


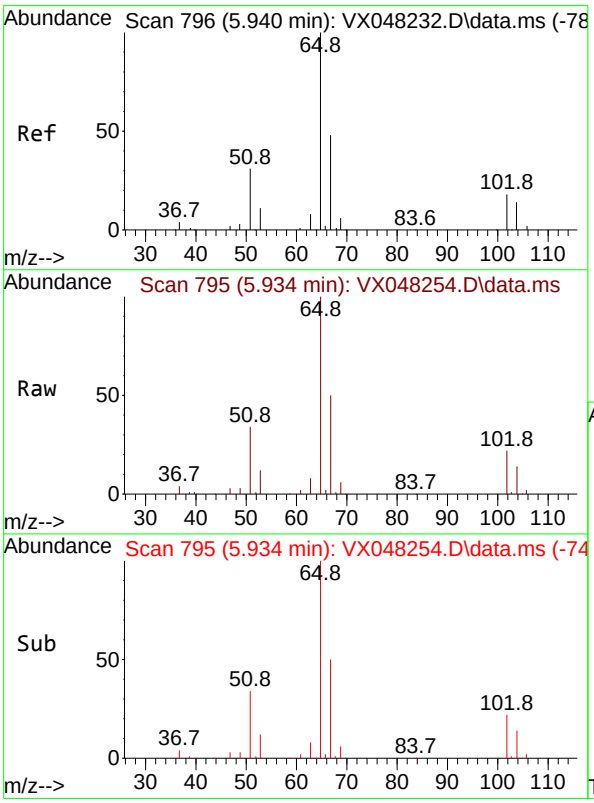
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

Tgt Ion:168 Resp: 121915

Ion	Ratio	Lower	Upper
168	100		
99	60.9	46.4	69.6

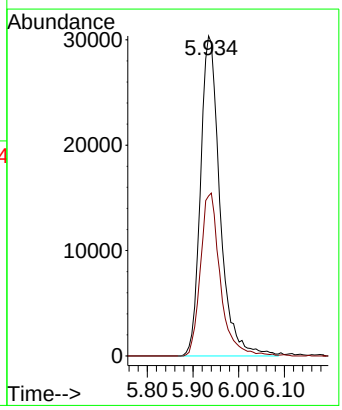


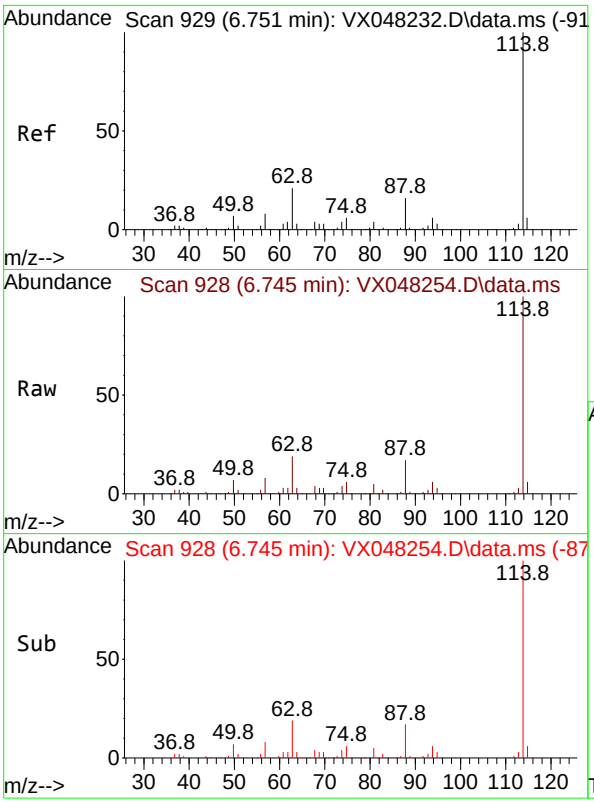


#33
1,2-Dichloroethane-d4
Concen: 52.469 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion: 65 Resp: 89687

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	105.0



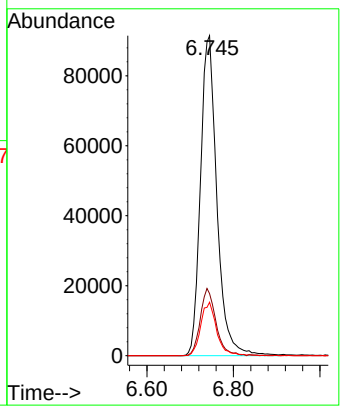


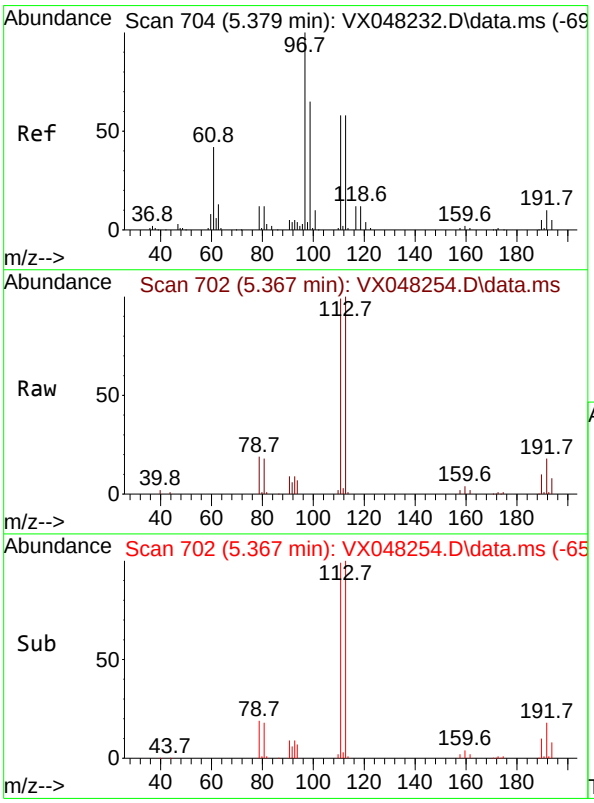
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

Tgt Ion:114 Resp: 240535

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	43.2
88	16.7	0.0	33.6

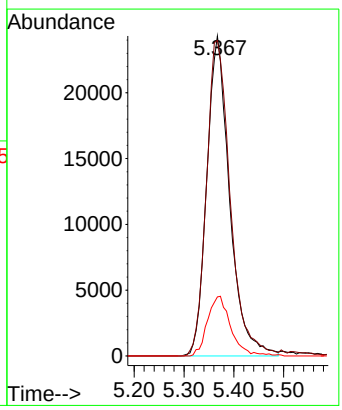


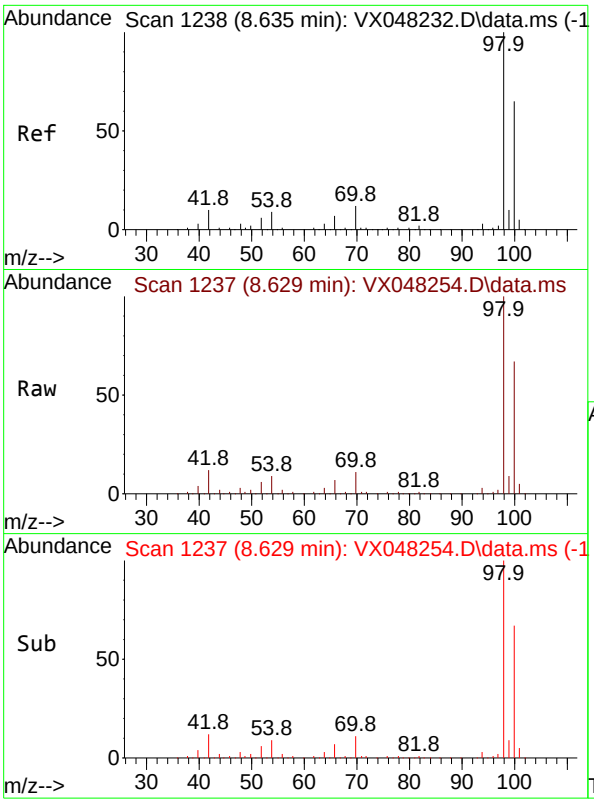


#35
Dibromofluoromethane
Concen: 47.070 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion:113 Resp: 77294

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	19.2	15.1	22.7



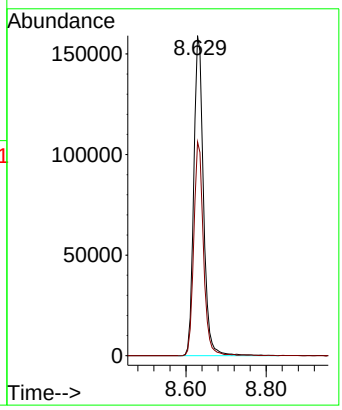


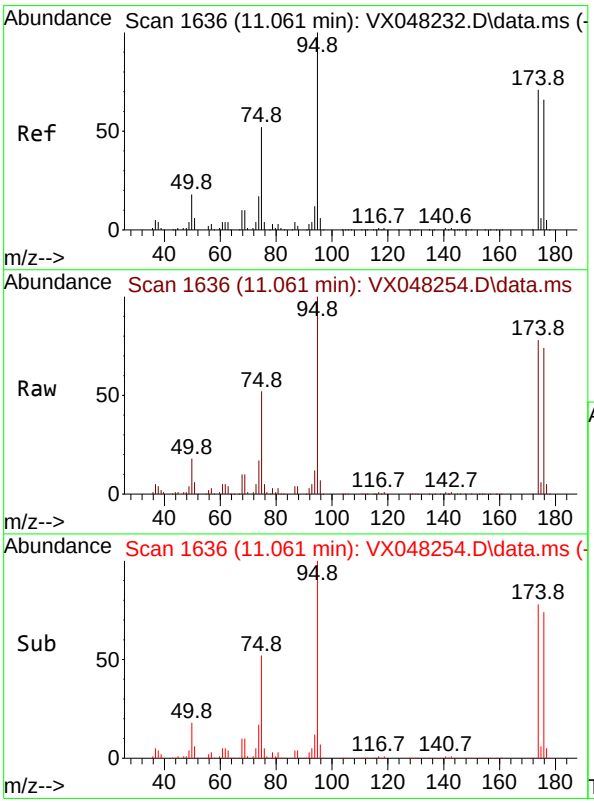
#50
Toluene-d8
Concen: 46.391 ug/l
RT: 8.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

Tgt Ion: 98 Resp: 267020

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4

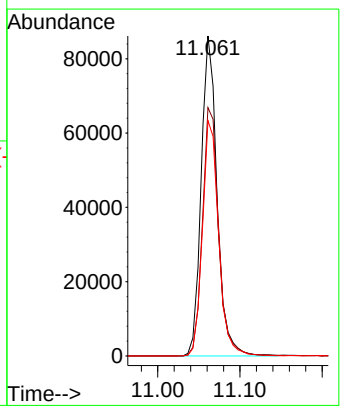


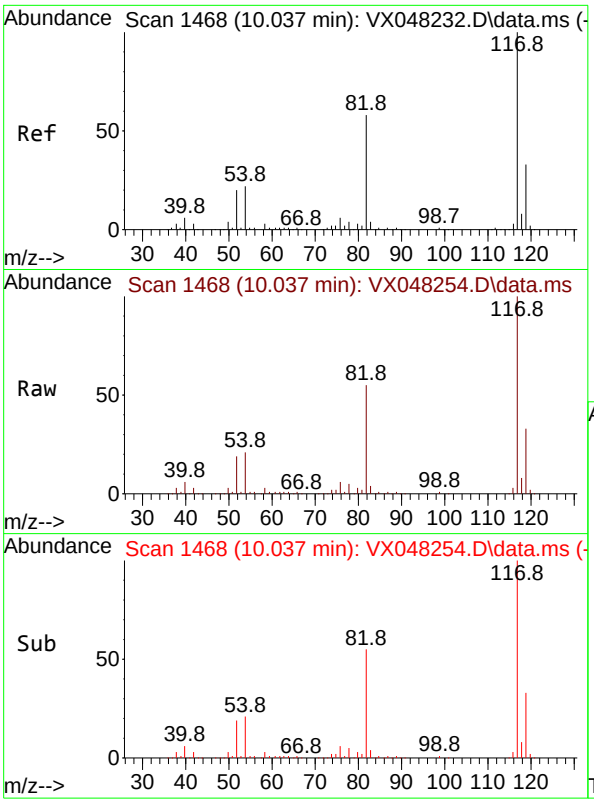


#62
4-Bromofluorobenzene
Concen: 52.653 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion: 95 Resp: 115293

Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	147.8
176	75.2	0.0	142.8



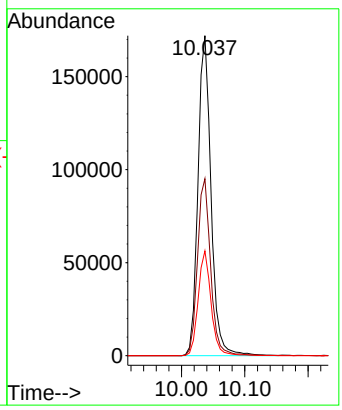


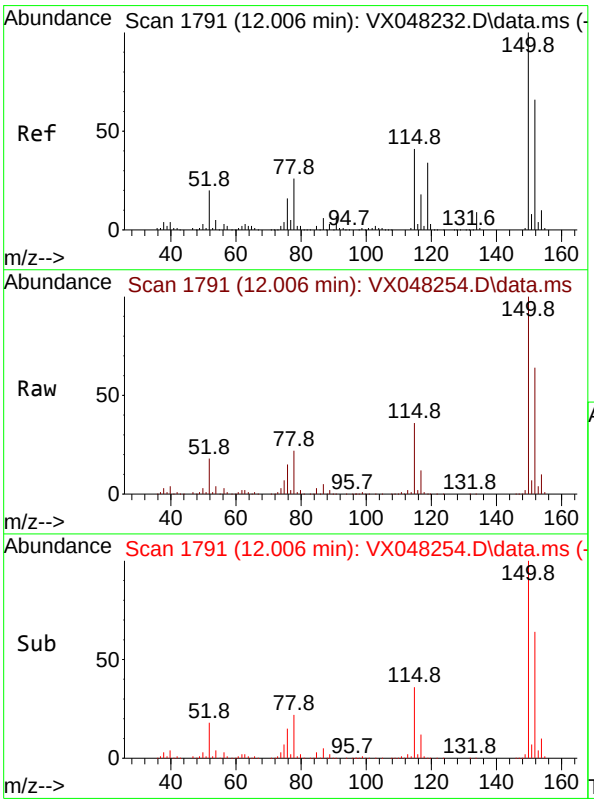
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

Tgt Ion:117 Resp: 247603

Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.5	69.7
119	32.8	25.9	38.9

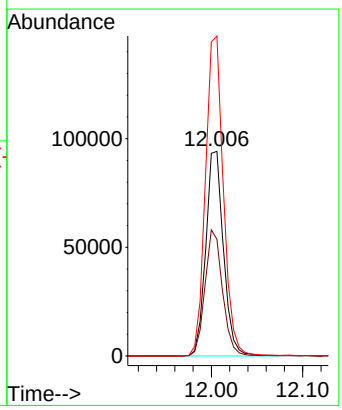




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion:152 Resp: 126551

Ion	Ratio	Lower	Upper
152	100		
115	61.1	43.1	129.4
150	158.4	0.0	353.0



Sample Results: **VX048254.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048254.D
Acq On : 21 Oct 2025 09:40
Operator : JC/MD
Sample : VX1021WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Title : SW846 8260

Signal : TIC: VX048254.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.367	691	702	718	rBV2	78626	252593	33.18%	6.046%
2	5.532	718	729	756	rVB2	119045	368571	48.41%	8.823%
3	5.934	785	795	820	rBV	80911	237948	31.26%	5.696%
4	6.739	918	927	946	rBV	210443	552273	72.54%	13.220%
5	8.629	1231	1237	1257	rBV	418894	703255	92.38%	16.834%
6	10.037	1462	1468	1486	rBV	518402	749543	98.46%	17.942%
7	11.061	1631	1636	1649	rBV	411591	552091	72.52%	13.216%
8	12.000	1785	1790	1808	rVB	569974	761297	100.00%	18.223%

Sum of corrected areas: 4177571

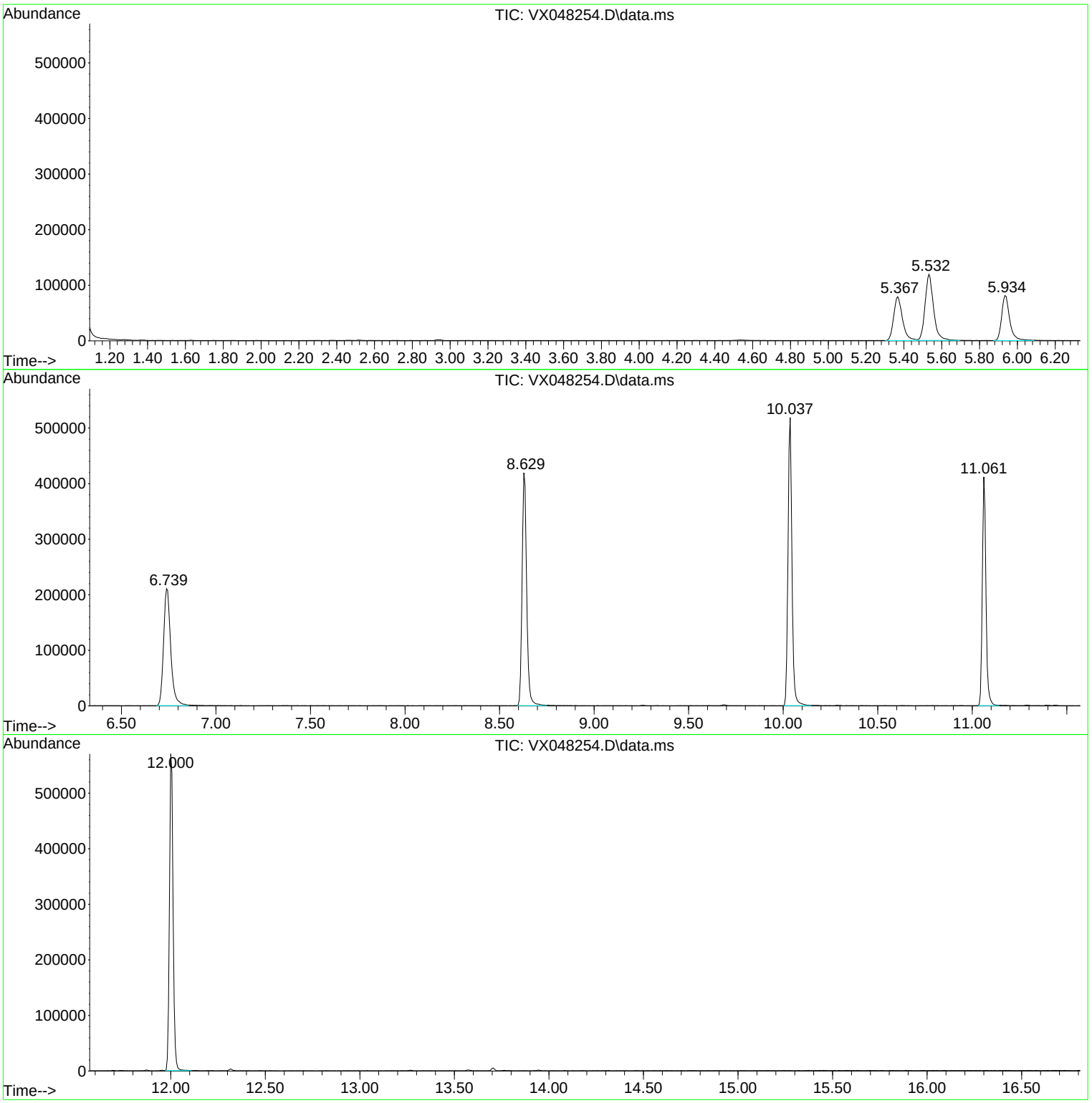
Sample Results: **VX048254.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048254.D
Acq On : 21 Oct 2025 09:40
Operator : JC/MD
Sample : VX1021WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX048254.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048254.D
Acq On : 21 Oct 2025 09:40
Operator : JC/MD
Sample : VX1021WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Sample Results: **VX048254.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048254.D
Acq On : 21 Oct 2025 09:40
Operator : JC/MD
Sample : VX1021WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260

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

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

Raw Data: **VY023522.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1021SBL01	SDG No.:	Q3376
Lab Sample ID:	VY1021SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/21/25 09:34	VY102125
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/21/25 09:34	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/21/25 09:34	VY102125
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/21/25 09:34	VY102125
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/21/25 09:34	VY102125
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/21/25 09:34	VY102125
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/21/25 09:34	VY102125
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/21/25 09:34	VY102125
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/21/25 09:34	VY102125
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/21/25 09:34	VY102125
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/21/25 09:34	VY102125
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/21/25 09:34	VY102125
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/21/25 09:34	VY102125
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/21/25 09:34	VY102125
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/21/25 09:34	VY102125
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/21/25 09:34	VY102125
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/21/25 09:34	VY102125
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/21/25 09:34	VY102125
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/21/25 09:34	VY102125
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/21/25 09:34	VY102125
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/21/25 09:34	VY102125
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/21/25 09:34	VY102125
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/21/25 09:34	VY102125
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/21/25 09:34	VY102125
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/21/25 09:34	VY102125
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/21/25 09:34	VY102125
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/21/25 09:34	VY102125
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/21/25 09:34	VY102125
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/21/25 09:34	VY102125
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/21/25 09:34	VY102125
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/21/25 09:34	VY102125
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/21/25 09:34	VY102125

Raw Data: **VY023522.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1021SBL01	SDG No.:	Q3376
Lab Sample ID:	VY1021SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.78	5.00	ug/Kg	10/21/25 09:34	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/21/25 09:34	VY102125
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/21/25 09:34	VY102125
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/21/25 09:34	VY102125
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/21/25 09:34	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/21/25 09:34	VY102125
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/21/25 09:34	VY102125
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/21/25 09:34	VY102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.0			63 - 155	92%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.7			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	48.1			74 - 123	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	36.4			17 - 146	73%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	768000							
540-36-3	1,4-Difluorobenzene	1270000							
3114-55-4	Chlorobenzene-d5	1000000							
3855-82-1	1,4-Dichlorobenzene-d4	379000							

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

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

Sample Results: **VY023522.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023522.D
Acq On : 21 Oct 2025 09:34
Operator : SY/MD
Sample : VY1021SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Quant Time: Oct 24 01:21:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	767531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1271980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1000258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	378610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	295141	45.985	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.960%		
35) Dibromofluoromethane	7.640	113	388671	49.729	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.460%		
50) Toluene-d8	10.109	98	1399310	48.076	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.160%		
62) 4-Bromofluorobenzene	12.408	95	349784	36.400	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	72.800%		

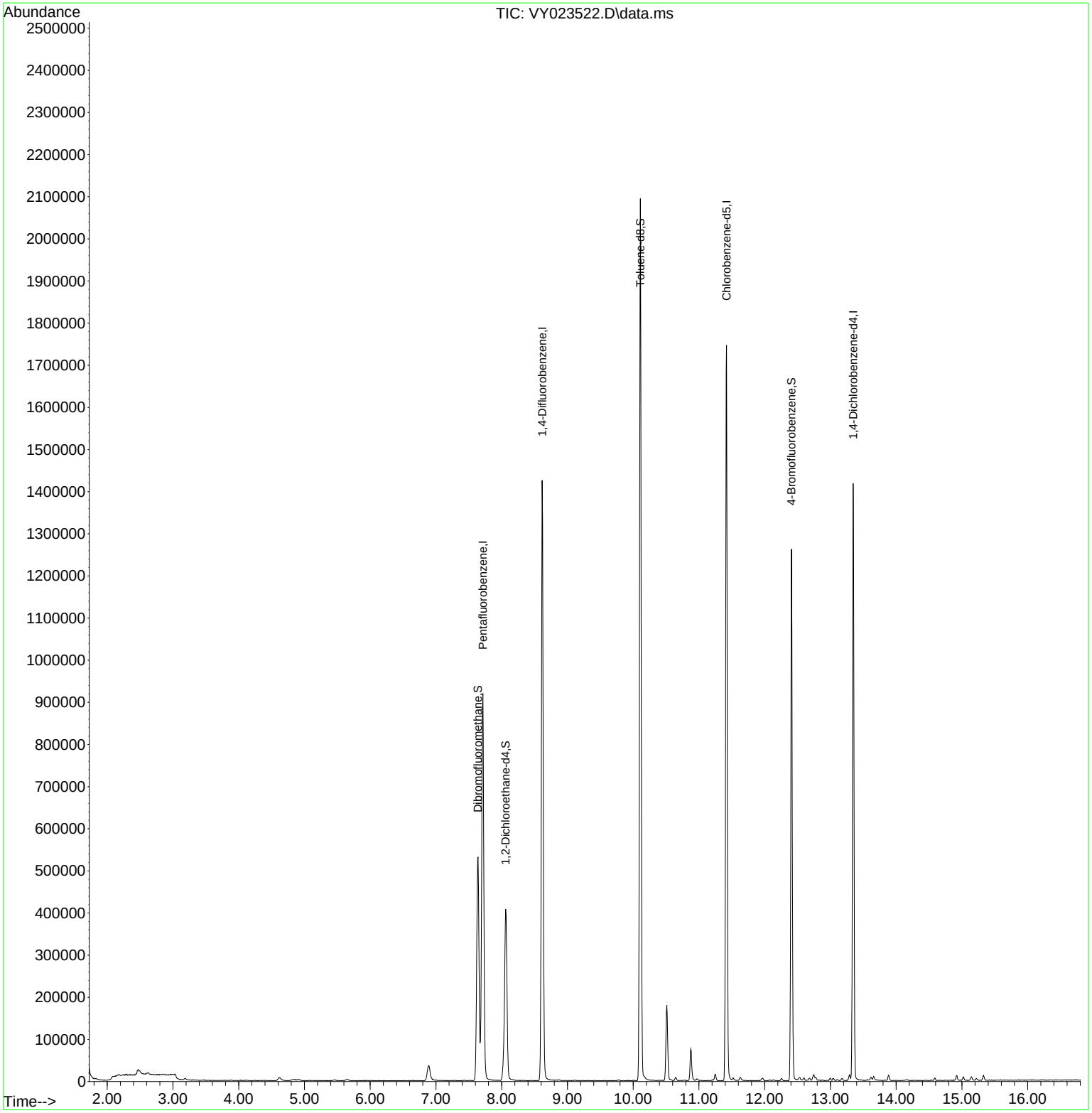
Target Compounds Qvalue

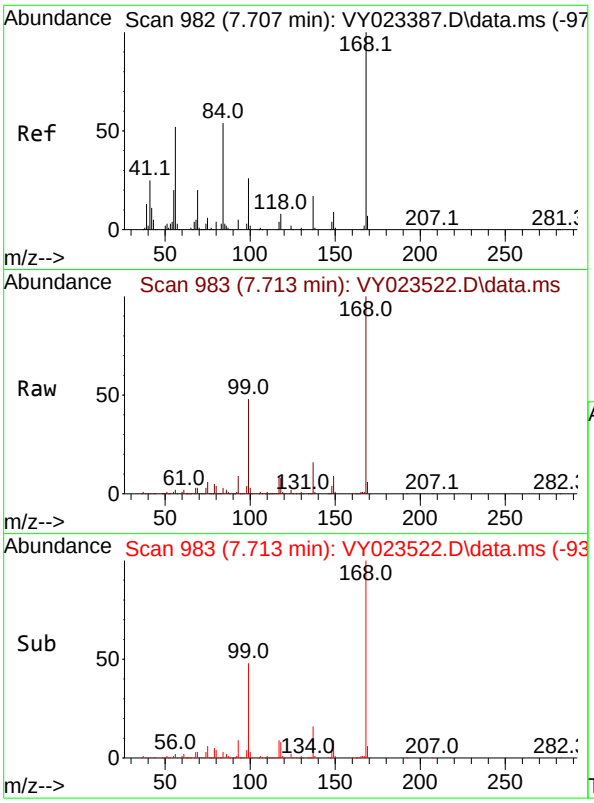
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023522.D
Acq On : 21 Oct 2025 09:34
Operator : SY/MD
Sample : VY1021SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Quant Time: Oct 24 01:21:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



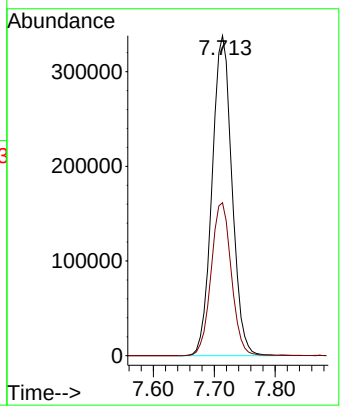


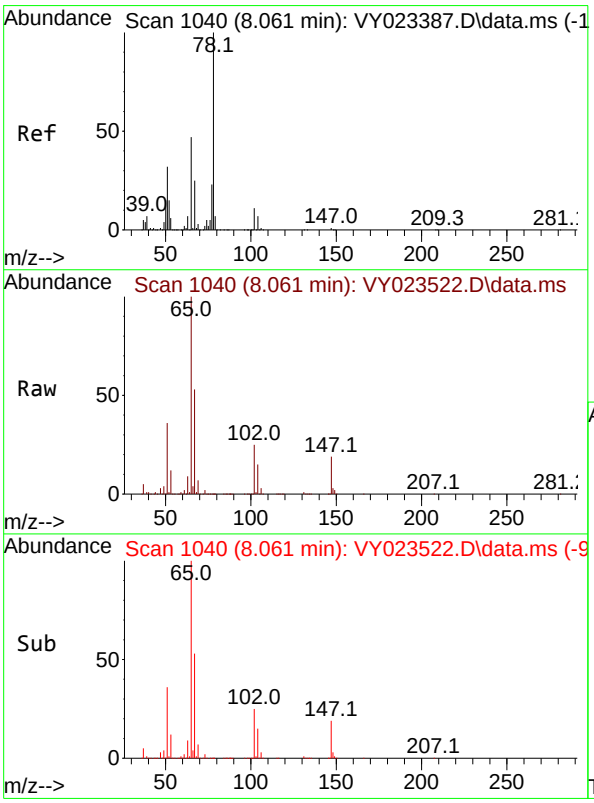
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Tgt Ion:168 Resp: 767531

Ion	Ratio	Lower	Upper
168	100		
99	47.8	39.7	59.5

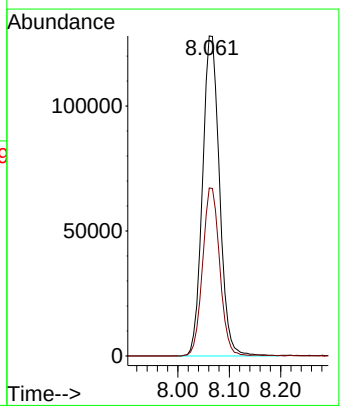


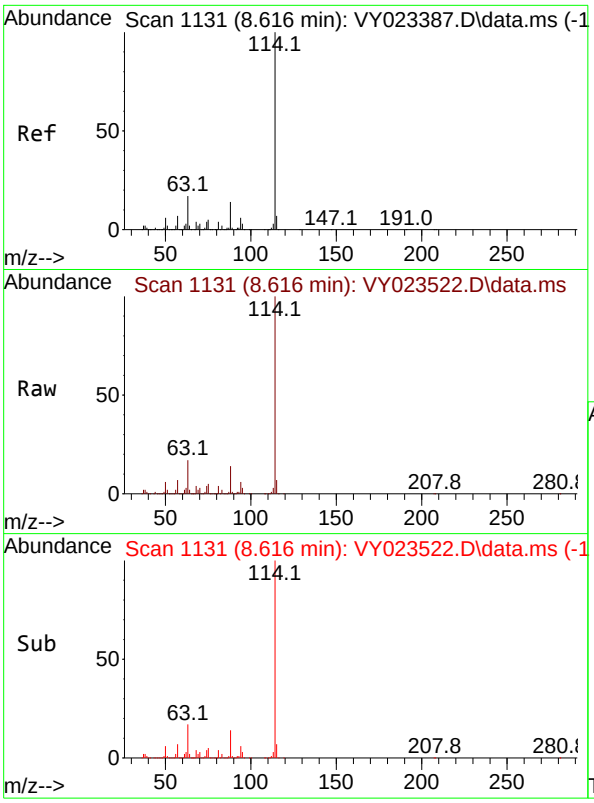


#33
1,2-Dichloroethane-d4
Concen: 45.985 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Tgt Ion: 65 Resp: 295141

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.8



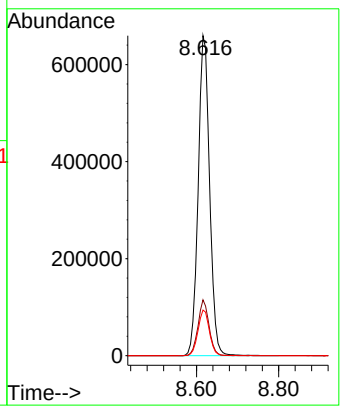


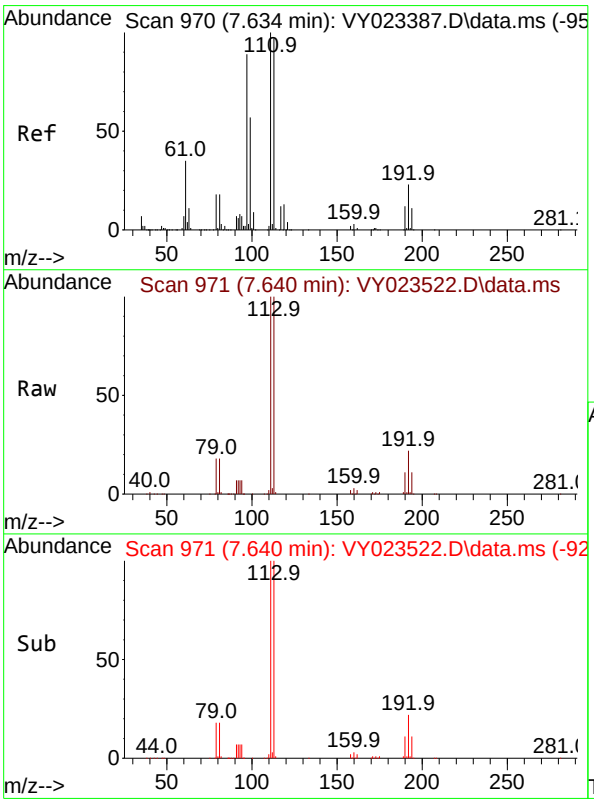
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Tgt Ion:114 Resp: 1271980

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	34.2
88	14.2	0.0	28.4

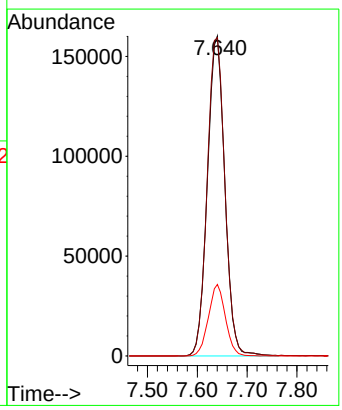


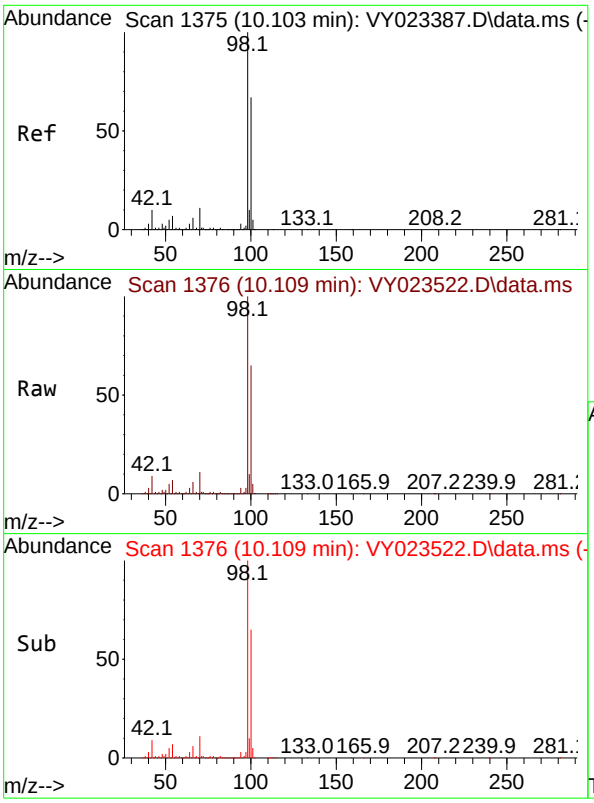


#35
Dibromofluoromethane
Concen: 49.729 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Tgt Ion:113 Resp: 388671

Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.8	122.6
192	21.8	18.0	27.0



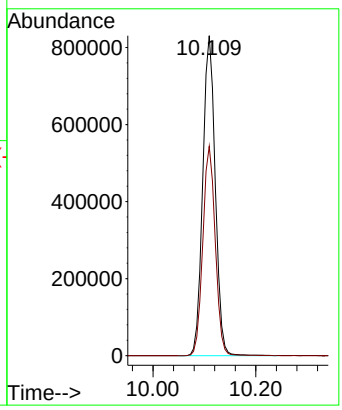


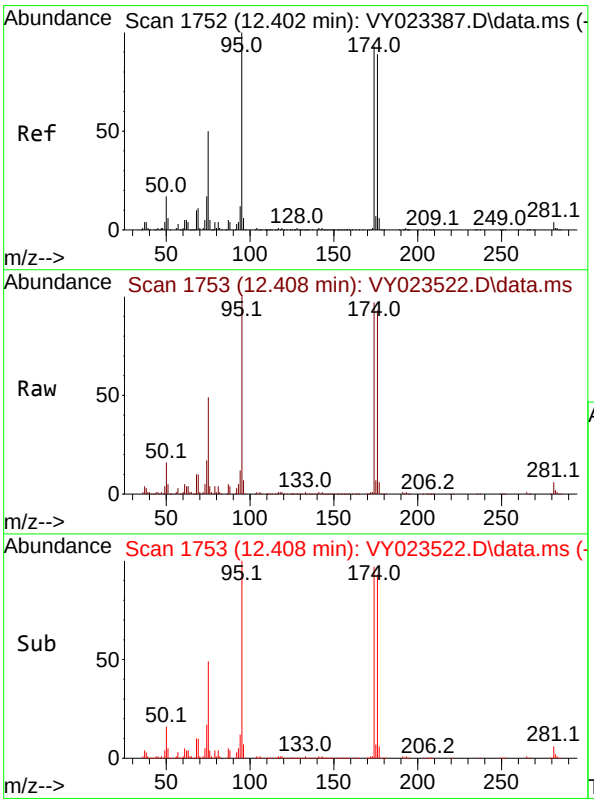
#50
Toluene-d8
Concen: 48.076 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Tgt Ion: 98 Resp: 1399310

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.0	79.4

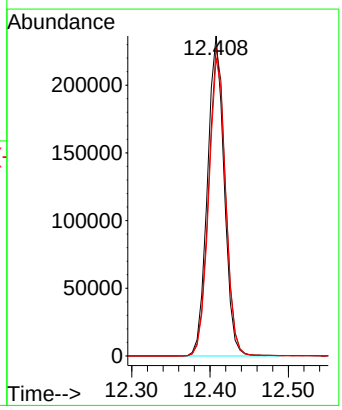


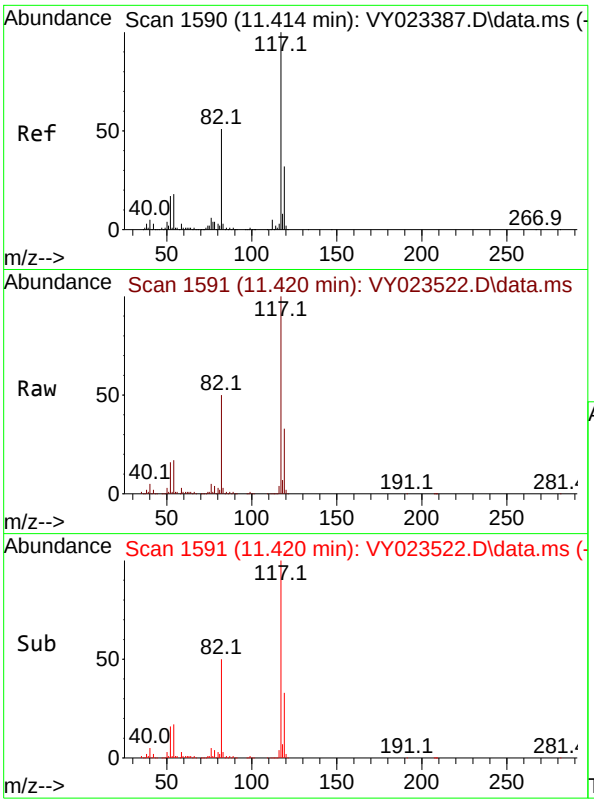


#62
4-Bromofluorobenzene
Concen: 36.400 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Tgt Ion: 95 Resp: 349784

Ion	Ratio	Lower	Upper
95	100		
174	98.0	0.0	192.8
176	93.7	0.0	187.6



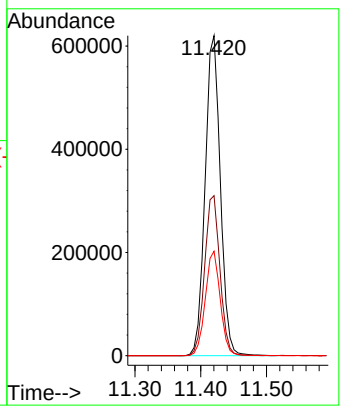


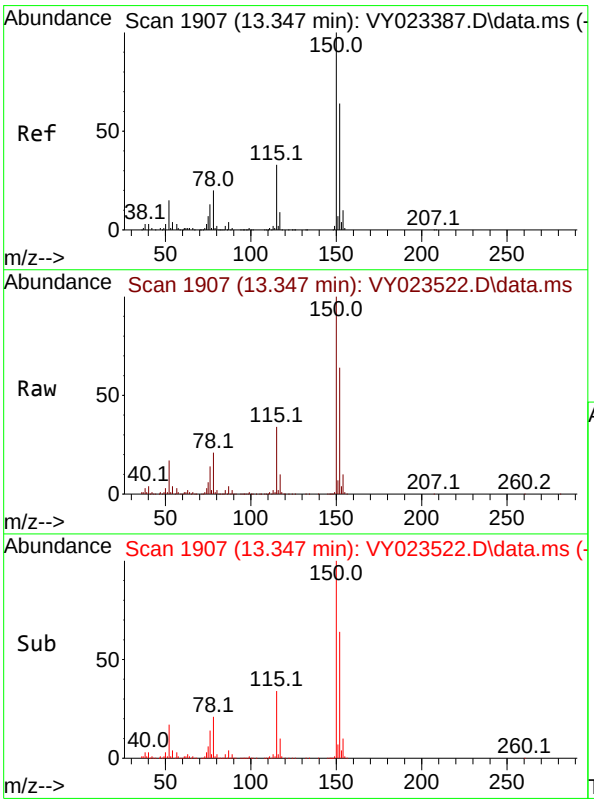
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Tgt Ion:117 Resp: 1000258

Ion	Ratio	Lower	Upper
117	100		
82	50.0	41.0	61.4
119	32.6	25.6	38.4

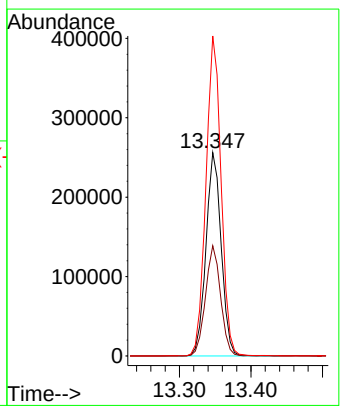




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Tgt Ion:152 Resp: 378610

Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.1	81.2
150	156.0	0.0	347.4



Sample Results: **VY023522.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023522.D
Acq On : 21 Oct 2025 09:34
Operator : SY/MD
Sample : VY1021SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260

Signal : TIC: VY023522.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	6.890	838	848	857	rBV	35400	111624	3.14%	0.612%
2	7.640	959	971	976	rBV	531008	1277186	35.90%	6.997%
3	7.713	976	983	1000	rVB	917366	2109123	59.28%	11.555%
4	8.061	1027	1040	1064	rBV2	406960	1071893	30.13%	5.872%
5	8.616	1122	1131	1147	rBV	1424841	2733100	76.81%	14.973%
6	10.109	1367	1376	1396	rBV	2093314	3558053	100.00%	19.492%
7	10.512	1435	1442	1449	rBV	178794	329732	9.27%	1.806%
8	10.878	1494	1502	1511	rBV	75256	134524	3.78%	0.737%
9	11.420	1583	1591	1604	rBV	1745395	2851605	80.15%	15.622%
10	12.408	1746	1753	1763	rBV2	1261596	1957774	55.02%	10.725%
11	13.347	1901	1907	1921	rVB	1416131	2119051	59.56%	11.609%

Sum of corrected areas: 18253665

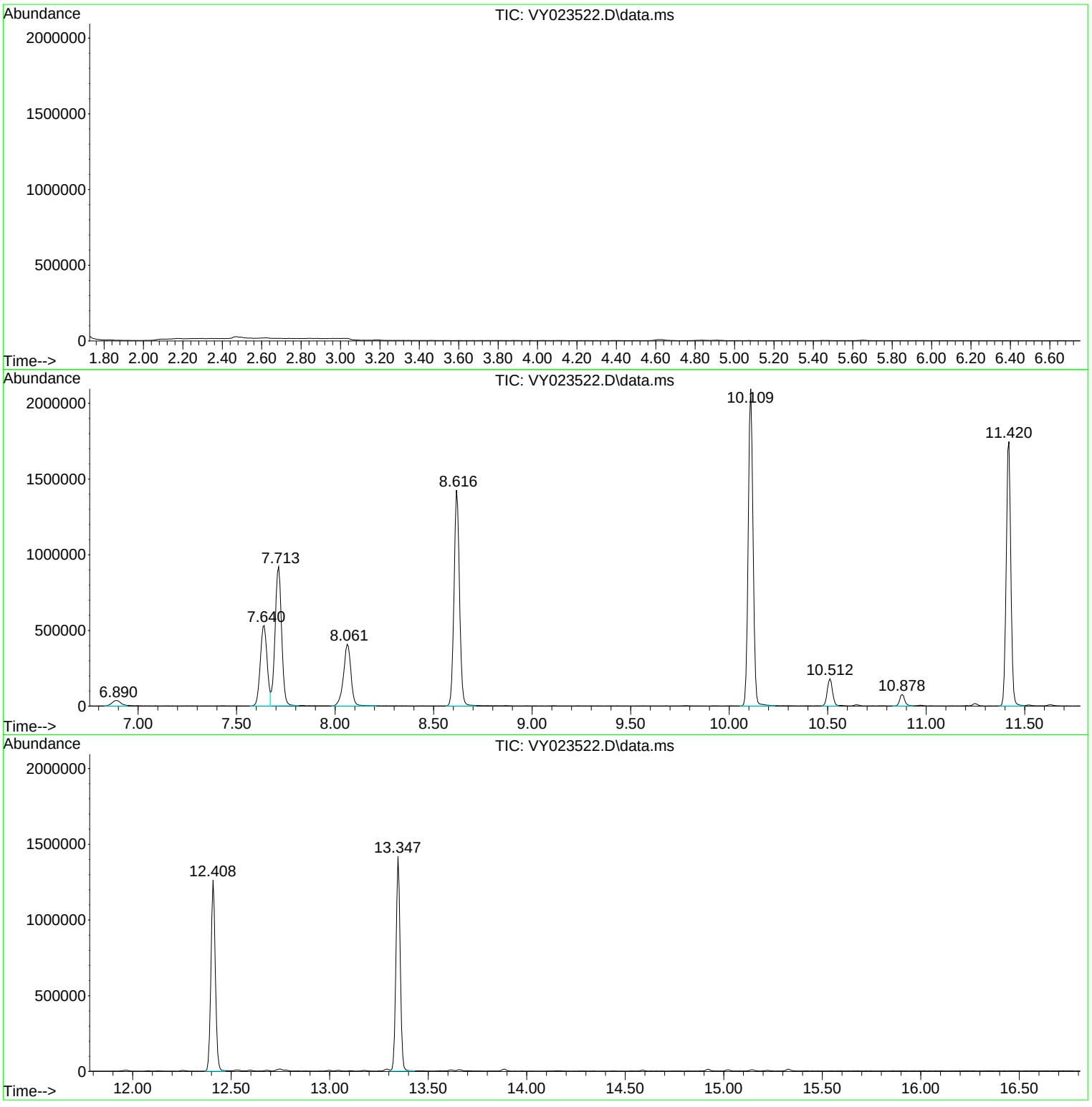
Sample Results: **VY023522.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023522.D
Acq On : 21 Oct 2025 09:34
Operator : SY/MD
Sample : VY1021SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023522.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023522.D
Acq On : 21 Oct 2025 09:34
Operator : SY/MD
Sample : VY1021SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023522.D
Acq On : 21 Oct 2025 09:34
Operator : SY/MD
Sample : VY1021SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

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

Raw Data: **VW032380.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBS01	SDG No.:	Q3376
Lab Sample ID:	VW1020SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	19.9		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
74-87-3	Chloromethane	20.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-01-4	Vinyl Chloride	22.1		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
74-83-9	Bromomethane	21.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-00-3	Chloroethane	21.4		1	1.30	5.00	ug/Kg	10/20/25 11:41	VW102025
75-69-4	Trichlorofluoromethane	19.4		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-35-4	1,1-Dichloroethene	21.7		1	1.00	5.00	ug/Kg	10/20/25 11:41	VW102025
67-64-1	Acetone	97.1		1	4.70	25.0	ug/Kg	10/20/25 11:41	VW102025
75-15-0	Carbon Disulfide	21.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
1634-04-4	Methyl tert-butyl Ether	19.0		1	0.73	5.00	ug/Kg	10/20/25 11:41	VW102025
79-20-9	Methyl Acetate	17.5		1	1.50	5.00	ug/Kg	10/20/25 11:41	VW102025
75-09-2	Methylene Chloride	19.0		1	3.50	10.0	ug/Kg	10/20/25 11:41	VW102025
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	5.00	ug/Kg	10/20/25 11:41	VW102025
75-34-3	1,1-Dichloroethane	20.8		1	0.80	5.00	ug/Kg	10/20/25 11:41	VW102025
110-82-7	Cyclohexane	19.2		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
78-93-3	2-Butanone	87.6		1	6.50	25.0	ug/Kg	10/20/25 11:41	VW102025
56-23-5	Carbon Tetrachloride	22.0		1	0.97	5.00	ug/Kg	10/20/25 11:41	VW102025
156-59-2	cis-1,2-Dichloroethene	20.3		1	0.75	5.00	ug/Kg	10/20/25 11:41	VW102025
74-97-5	Bromochloromethane	20.8		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
67-66-3	Chloroform	21.5		1	0.84	5.00	ug/Kg	10/20/25 11:41	VW102025
71-55-6	1,1,1-Trichloroethane	21.5		1	0.93	5.00	ug/Kg	10/20/25 11:41	VW102025
108-87-2	Methylcyclohexane	19.3		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
71-43-2	Benzene	20.9		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
107-06-2	1,2-Dichloroethane	20.6		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
79-01-6	Trichloroethene	20.3		1	0.81	5.00	ug/Kg	10/20/25 11:41	VW102025
78-87-5	1,2-Dichloropropane	21.0		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
75-27-4	Bromodichloromethane	22.0		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
108-10-1	4-Methyl-2-Pentanone	92.3		1	3.60	25.0	ug/Kg	10/20/25 11:41	VW102025
108-88-3	Toluene	20.8		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
10061-02-6	t-1,3-Dichloropropene	20.2		1	0.65	5.00	ug/Kg	10/20/25 11:41	VW102025
10061-01-5	cis-1,3-Dichloropropene	20.7		1	0.62	5.00	ug/Kg	10/20/25 11:41	VW102025
79-00-5	1,1,2-Trichloroethane	20.7		1	0.92	5.00	ug/Kg	10/20/25 11:41	VW102025
591-78-6	2-Hexanone	92.8		1	3.70	25.0	ug/Kg	10/20/25 11:41	VW102025
124-48-1	Dibromochloromethane	21.7		1	0.87	5.00	ug/Kg	10/20/25 11:41	VW102025
106-93-4	1,2-Dibromoethane	20.3		1	0.88	5.00	ug/Kg	10/20/25 11:41	VW102025
127-18-4	Tetrachloroethene	20.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
108-90-7	Chlorobenzene	20.2		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
100-41-4	Ethyl Benzene	20.5		1	0.67	5.00	ug/Kg	10/20/25 11:41	VW102025
179601-23-1	m/p-Xylenes	41.2		1	1.20	10.0	ug/Kg	10/20/25 11:41	VW102025
95-47-6	o-Xylene	19.8		1	0.82	5.00	ug/Kg	10/20/25 11:41	VW102025
100-42-5	Styrene	21.1		1	0.71	5.00	ug/Kg	10/20/25 11:41	VW102025
75-25-2	Bromoform	21.5		1	0.86	5.00	ug/Kg	10/20/25 11:41	VW102025

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBS01	SDG No.:	Q3376
Lab Sample ID:	VW1020SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.8		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
541-73-1	1,3-Dichlorobenzene	20.4		1	1.70	5.00	ug/Kg	10/20/25 11:41	VW102025
106-46-7	1,4-Dichlorobenzene	20.3		1	1.60	5.00	ug/Kg	10/20/25 11:41	VW102025
95-50-1	1,2-Dichlorobenzene	20.0		1	1.50	5.00	ug/Kg	10/20/25 11:41	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		1	1.80	5.00	ug/Kg	10/20/25 11:41	VW102025
120-82-1	1,2,4-Trichlorobenzene	19.2		1	3.00	5.00	ug/Kg	10/20/25 11:41	VW102025
87-61-6	1,2,3-Trichlorobenzene	19.0		1	3.20	5.00	ug/Kg	10/20/25 11:41	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.1			63 - 155	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	53.0			74 - 123	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.7			17 - 146	103%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	281000							
540-36-3	1,4-Difluorobenzene	517000							
3114-55-4	Chlorobenzene-d5	481000							
3855-82-1	1,4-Dichlorobenzene-d4	241000							

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

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

Sample Results: **VW032380.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032380.D
Acq On : 20 Oct 2025 11:41
Operator : SY/MD
Sample : VW1020SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 01:23:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	280998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	517149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	480746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	240746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	213734	52.149	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.300%			
35) Dibromofluoromethane	7.898	113	178453	53.284	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 106.560%			
50) Toluene-d8	10.325	98	655431	53.025	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 106.040%			
62) 4-Bromofluorobenzene	12.617	95	241390	51.667	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 103.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	35044	19.874	ug/l	99
3) Chloromethane	2.253	50	54581	20.061	ug/l	99
4) Vinyl Chloride	2.405	62	71685	22.069	ug/l	99
5) Bromomethane	2.820	94	50437	21.129	ug/l	99
6) Chloroethane	2.966	64	45866	21.387	ug/l	95
7) Trichlorofluoromethane	3.302	101	47291	19.445	ug/l	96
8) Diethyl Ether	3.716	74	42688	20.256	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.106	101	60961	20.898	ug/l	95
10) Methyl Iodide	4.301	142	90782	21.811	ug/l	98
11) Tert butyl alcohol	5.216	59	25591	82.490	ug/l	98
12) 1,1-Dichloroethene	4.076	96	68828	21.733	ug/l	90
13) Acrolein	3.929	56	32482	64.514	ug/l	100
14) Allyl chloride	4.698	41	108462	20.277	ug/l	91
15) Acrylonitrile	5.405	53	100696	91.844	ug/l	99
16) Acetone	4.161	43	110171	97.079	ug/l	99
17) Carbon Disulfide	4.417	76	182726	21.147	ug/l	97
18) Methyl Acetate	4.710	43	57010	17.537	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	118617	19.017	ug/l	97
20) Methylene Chloride	4.948	84	83888	19.017	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	73585	20.987	ug/l	97
22) Diisopropyl ether	6.338	45	227221	20.425	ug/l	94
23) Vinyl Acetate	6.283	43	713649	96.045	ug/l	100
24) 1,1-Dichloroethane	6.240	63	140635	20.809	ug/l	97
25) 2-Butanone	7.191	43	135380	87.590	ug/l	100
26) 2,2-Dichloropropane	7.185	77	76369	22.091	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	85339	20.260	ug/l	93
28) Bromochloromethane	7.526	49	66032	20.766	ug/l	88
29) Tetrahydrofuran	7.551	42	84977	87.426	ug/l	94
30) Chloroform	7.691	83	147499	21.519	ug/l	98
31) Cyclohexane	7.965	56	110671	19.181	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	104287	21.471	ug/l	100
36) 1,1-Dichloropropene	8.093	75	97235	20.572	ug/l	98
37) Ethyl Acetate	7.270	43	57160	18.169	ug/l	99
38) Carbon Tetrachloride	8.081	117	97878	22.006	ug/l	98
39) Methylcyclohexane	9.343	83	110291	19.345	ug/l	98
40) Benzene	8.337	78	309652	20.901	ug/l	94

Sample Results: **VW032380.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032380.D
Acq On : 20 Oct 2025 11:41
Operator : SY/MD
Sample : VW1020SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Quant Time: Oct 21 01:23:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	32519	19.180	ug/l		91
42) 1,2-Dichloroethane	8.410	62	99820	20.591	ug/l		100
43) Isopropyl Acetate	8.435	43	101969	18.271	ug/l		97
44) Trichloroethene	9.099	130	70587	20.348	ug/l		91
45) 1,2-Dichloropropane	9.374	63	77735	21.021	ug/l		97
46) Dibromomethane	9.465	93	47706	20.980	ug/l		93
47) Bromodichloromethane	9.648	83	114292	21.975	ug/l		94
48) Methyl methacrylate	9.441	41	47476	17.496	ug/l		93
49) 1,4-Dioxane	9.459	88	11448	368.334	ug/l	#	85
51) 4-Methyl-2-Pentanone	10.215	43	298346	92.294	ug/l		98
52) Toluene	10.392	92	191814	20.790	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	102094	20.233	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	120341	20.705	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	62846	20.679	ug/l		97
56) Ethyl methacrylate	10.648	69	78320	18.412	ug/l		95
57) 1,3-Dichloropropane	10.934	76	109231	20.350	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	202349	89.381	ug/l		95
59) 2-Hexanone	10.971	43	211671	92.843	ug/l		97
60) Dibromochloromethane	11.129	129	74905	21.706	ug/l		99
61) 1,2-Dibromoethane	11.239	107	60047	20.263	ug/l		97
64) Tetrachloroethene	10.861	164	57861	20.114	ug/l		88
65) Chlorobenzene	11.660	112	213685	20.202	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.727	131	72938	22.139	ug/l		97
67) Ethyl Benzene	11.727	91	361301	20.492	ug/l		94
68) m/p-Xylenes	11.837	106	279914	41.170	ug/l		100
69) o-Xylene	12.166	106	125704	19.771	ug/l		97
70) Styrene	12.178	104	233906	21.071	ug/l		97
71) Bromoform	12.349	173	40631	21.516	ug/l	#	98
73) Isopropylbenzene	12.458	105	326100	19.799	ug/l		100
74) N-amyl acetate	12.269	43	92502	17.605	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.714	83	77328	18.908	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	67320m	21.249	ug/l		
77) Bromobenzene	12.745	156	80266	20.216	ug/l		93
78) n-propylbenzene	12.800	91	415401	20.190	ug/l		97
79) 2-Chlorotoluene	12.891	91	252737	20.091	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	280554	19.699	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	24052	19.233	ug/l		92
82) 4-Chlorotoluene	12.989	91	270686	20.239	ug/l		99
83) tert-Butylbenzene	13.202	119	226702	19.400	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	290311	20.046	ug/l		100
85) sec-Butylbenzene	13.379	105	350178	19.609	ug/l		100
86) p-Isopropyltoluene	13.495	119	293214	19.788	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	163992	20.398	ug/l		96
88) 1,4-Dichlorobenzene	13.574	146	162933	20.268	ug/l		98
89) n-Butylbenzene	13.818	91	285250	19.717	ug/l		97
90) Hexachloroethane	14.086	117	58655	22.085	ug/l		94
91) 1,2-Dichlorobenzene	13.867	146	145087	19.964	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	13154	18.371	ug/l		87
93) 1,2,4-Trichlorobenzene	15.129	180	83664	19.198	ug/l		96
94) Hexachlorobutadiene	15.226	225	40248	20.200	ug/l		89
95) Naphthalene	15.360	128	178782	17.083	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	78242	19.048	ug/l		98

Sample Results: **VW032380.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032380.D
Acq On : 20 Oct 2025 11:41
Operator : SY/MD
Sample : VW1020SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 01:23:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

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

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

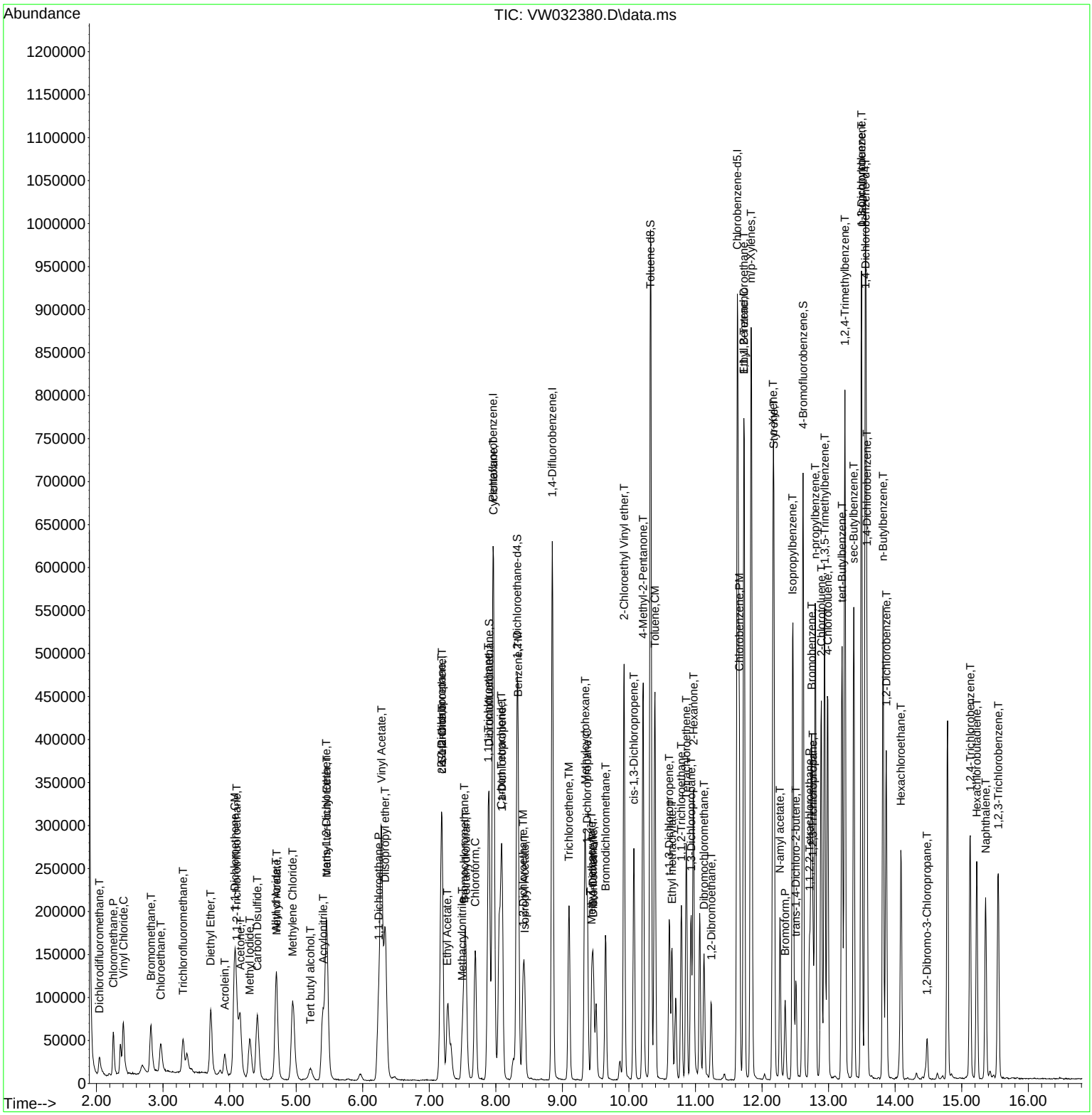
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Operator : SY/MD
Sample : VW1020SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

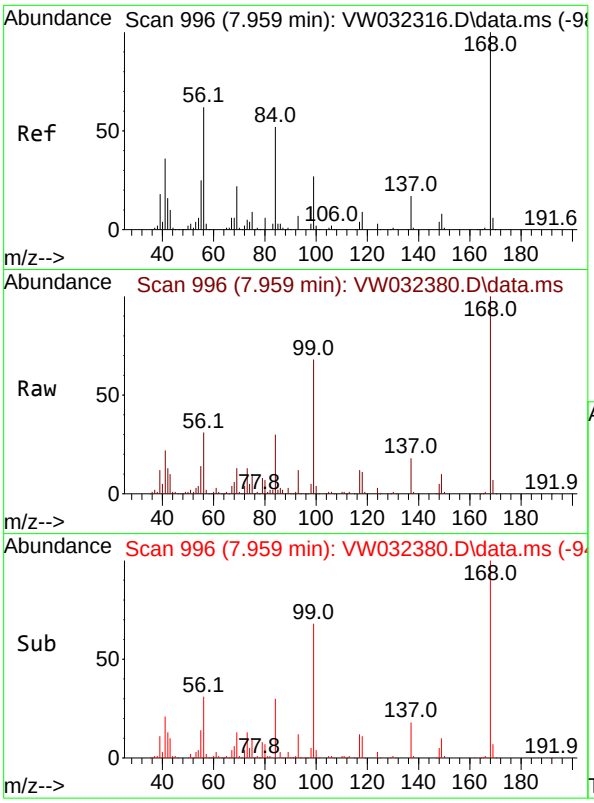
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Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

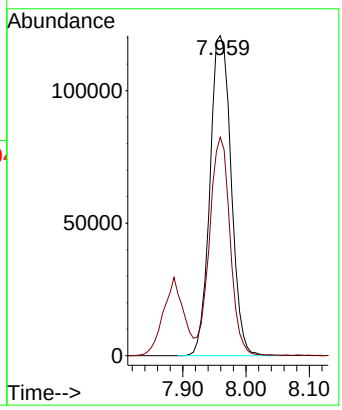




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:168 Resp: 28099

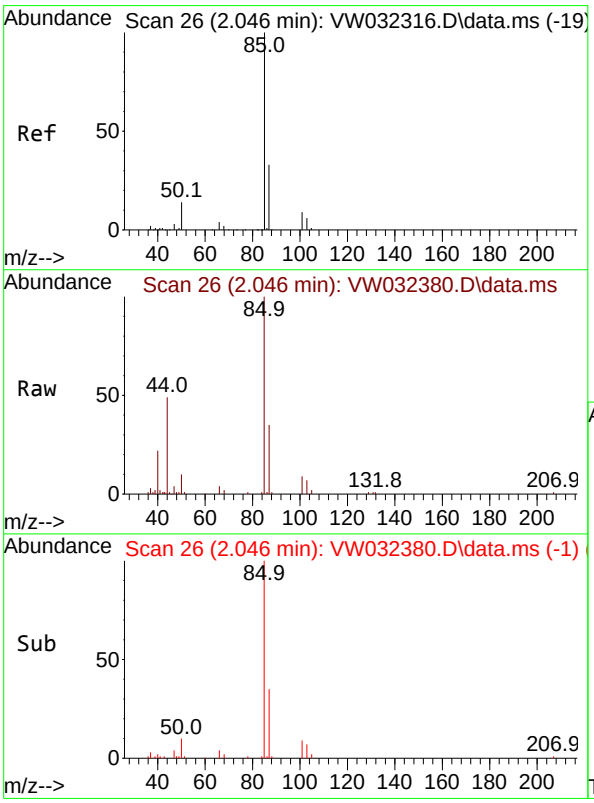
Ion	Ratio	Lower	Upper
168	100		
99	68.2	49.3	73.9



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
APPROVED

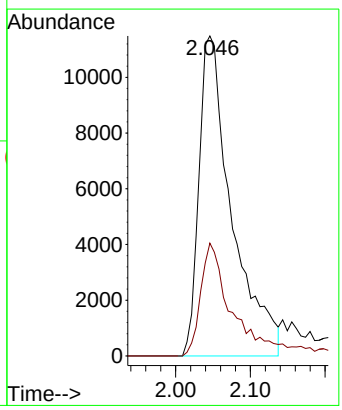
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

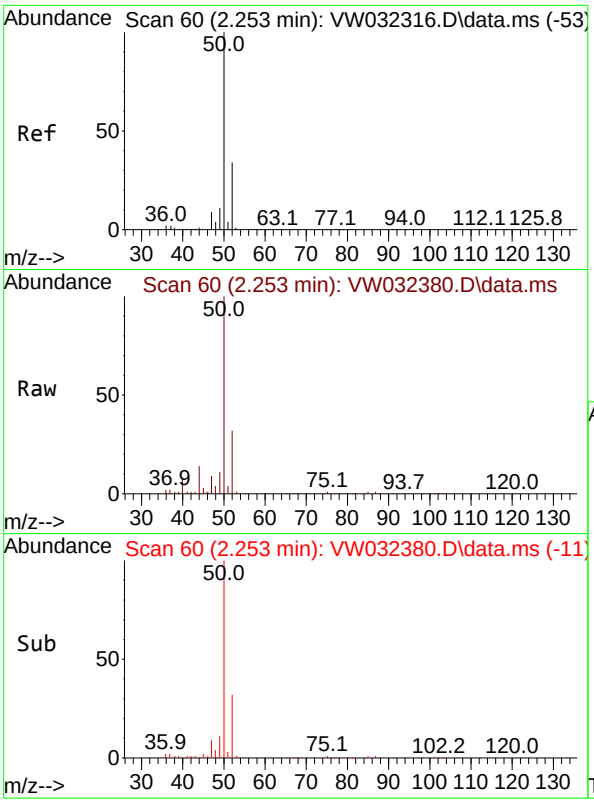


#2
Dichlorodifluoromethane
Concen: 19.874 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 85 Resp: 35044

Ion	Ratio	Lower	Upper
85	100		
87	35.3	17.2	51.6

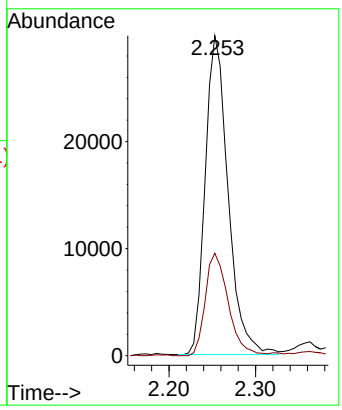




#3
Chloromethane
Concen: 20.061 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 50 Resp: 5458

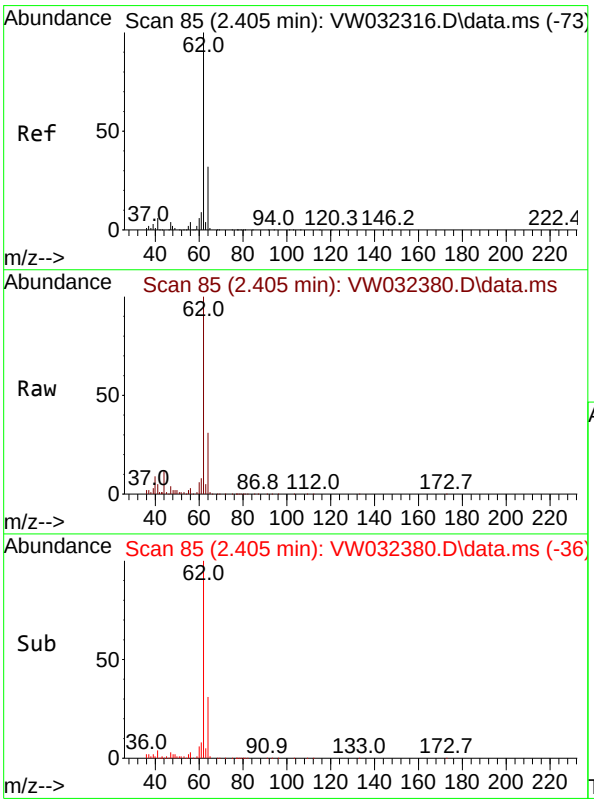
Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.1	39.1



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
APPROVED

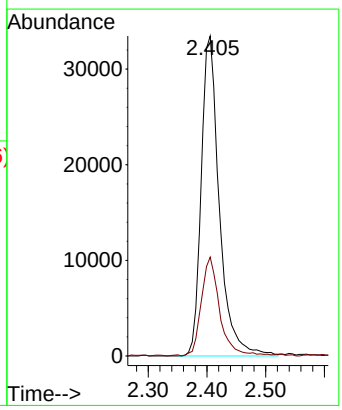
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

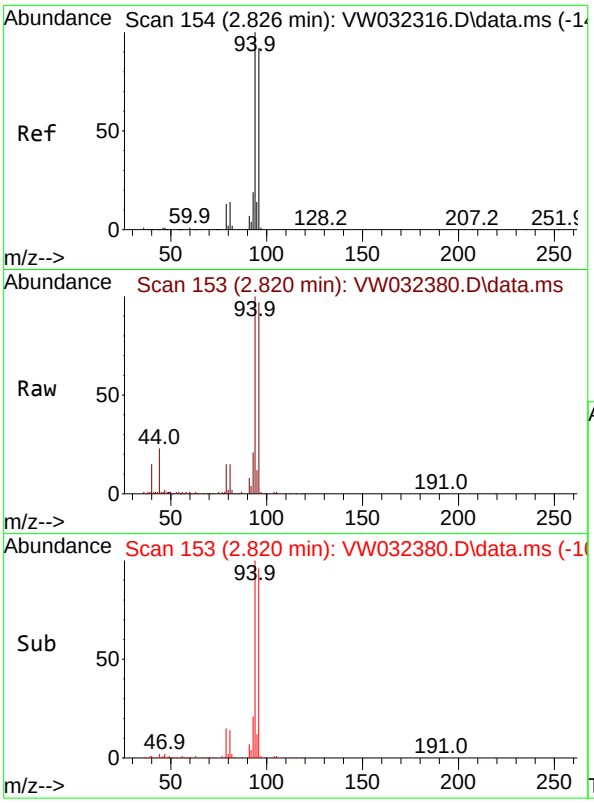


#4
Vinyl Chloride
Concen: 22.069 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 62 Resp: 71685

Ion	Ratio	Lower	Upper
62	100		
64	30.6	24.8	37.2

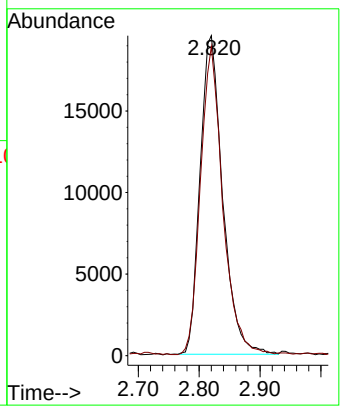




#5
Bromomethane
Concen: 21.129 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 94 Resp: 5043

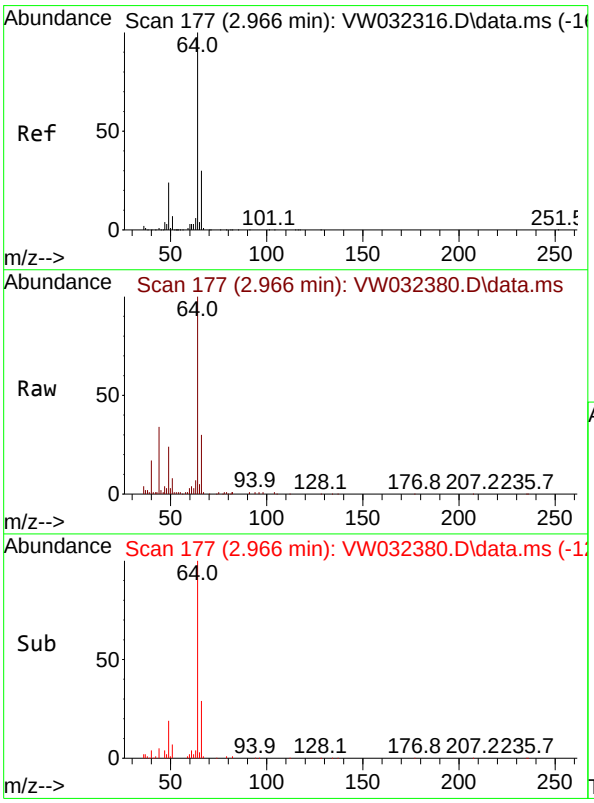
Ion	Ratio	Lower	Upper
94	100		
96	96.7	76.6	115.0



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
APPROVED

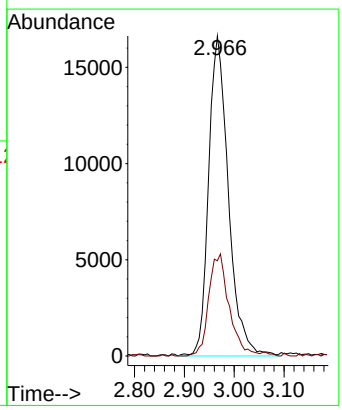
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

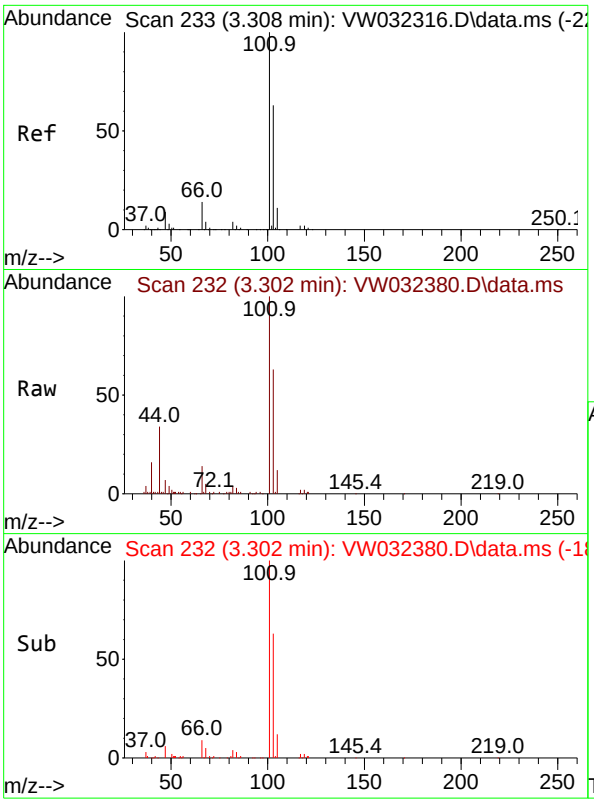


#6
Chloroethane
Concen: 21.387 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 64 Resp: 45866

Ion	Ratio	Lower	Upper
64	100		
66	29.7	26.2	39.4

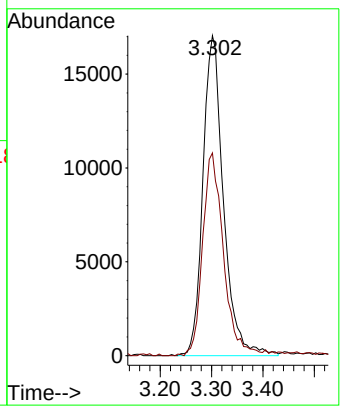




#7
Trichlorofluoromethane
Concen: 19.445 ug/l
RT: 3.302 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:101 Resp: 4729

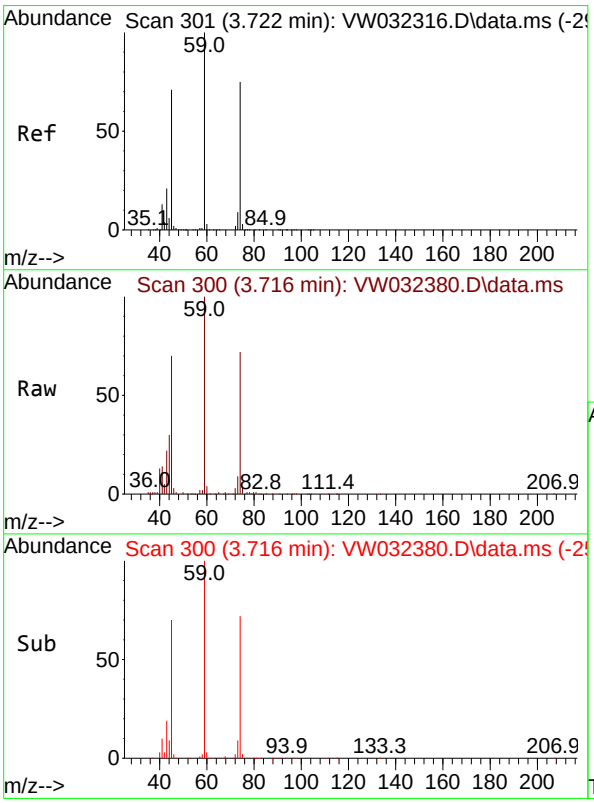
Ion	Ratio	Lower	Upper
101	100		
103	62.9	47.8	71.8



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
APPROVED

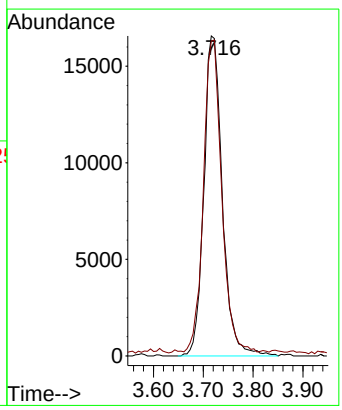
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

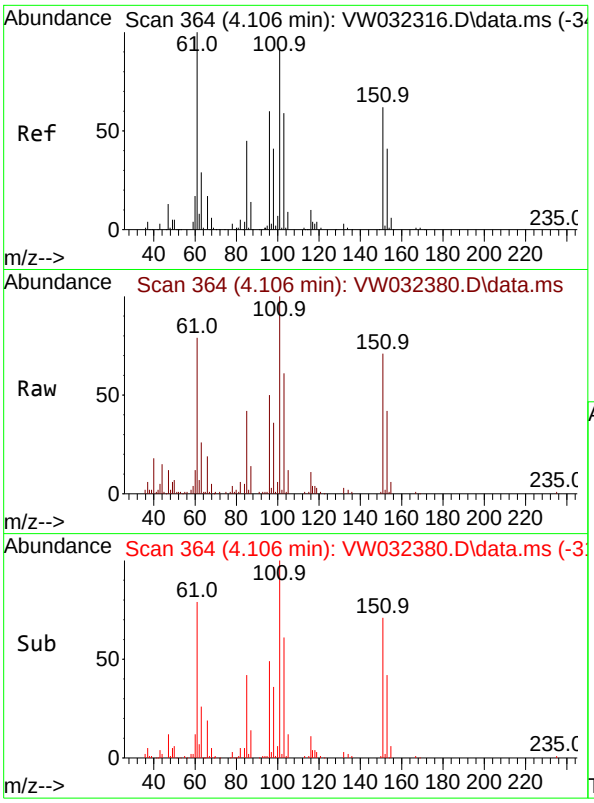


#8
Diethyl Ether
Concen: 20.256 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 74 Resp: 42688

Ion	Ratio	Lower	Upper
74	100		
45	95.7	43.1	129.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.898 ug/l
RT: 4.106 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

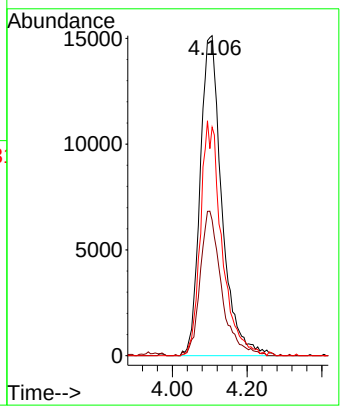
Tgt Ion:101 Resp: 6096

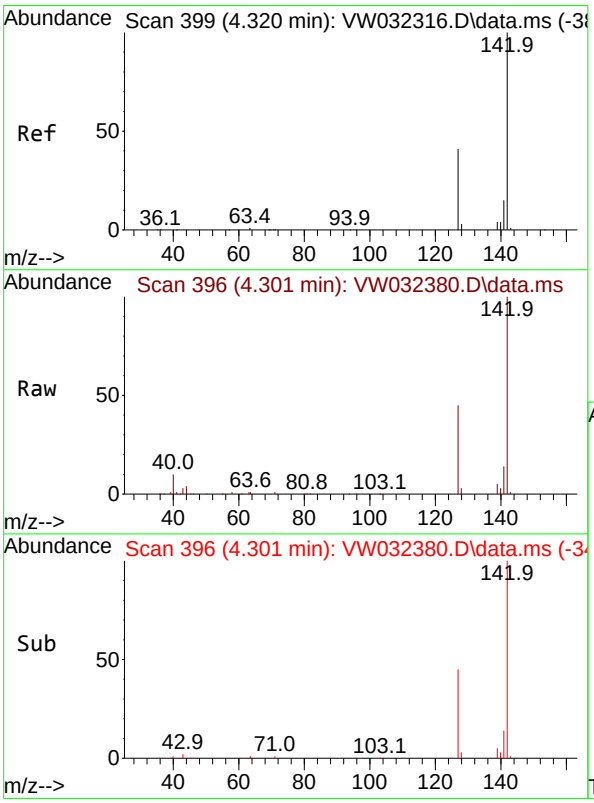
Ion	Ratio	Lower	Upper
101	100		
85	44.4	37.1	55.7
151	71.9	61.5	92.3

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

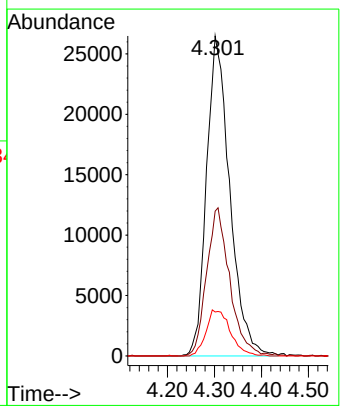


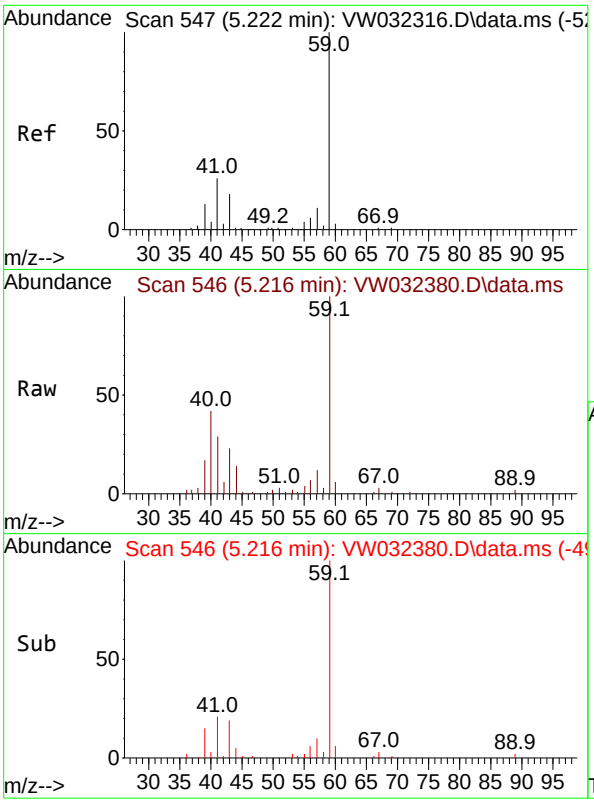


#10
Methyl Iodide
Concen: 21.811 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:142 Resp: 90782

Ion	Ratio	Lower	Upper
142	100		
127	46.3	38.2	57.2
141	15.1	12.2	18.2

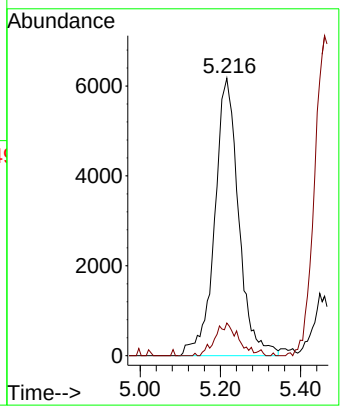




#11
Tert butyl alcohol
Concen: 82.490 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 59 Resp: 2559

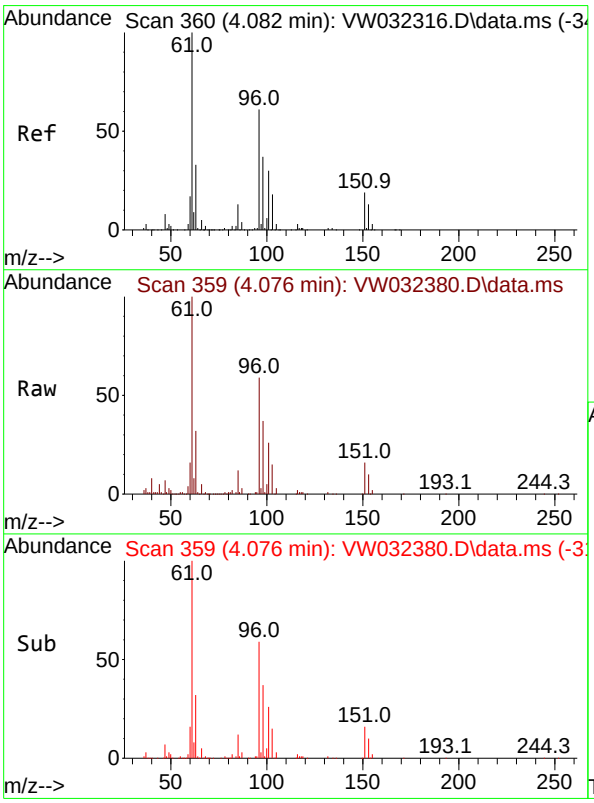
Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.8	14.6



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
APPROVED

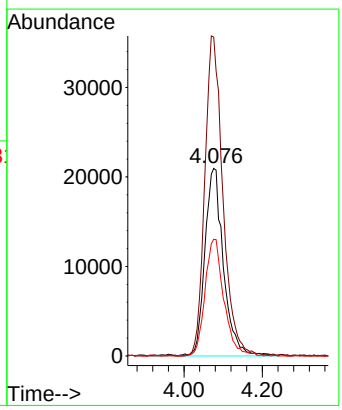
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

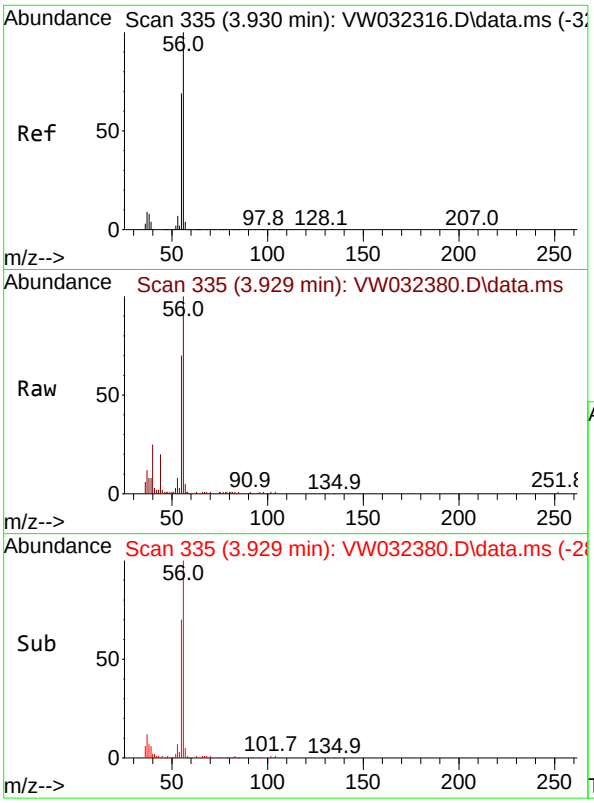


#12
1,1-Dichloroethene
Concen: 21.733 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 96 Resp: 68828

Ion	Ratio	Lower	Upper
96	100		
61	170.0	123.0	184.4
98	62.2	48.5	72.7

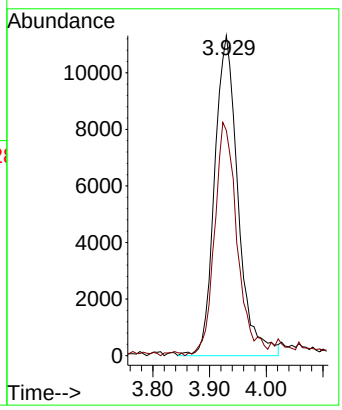




#13
Acrolein
Concen: 64.514 ug/l
RT: 3.929 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 56 Resp: 3248

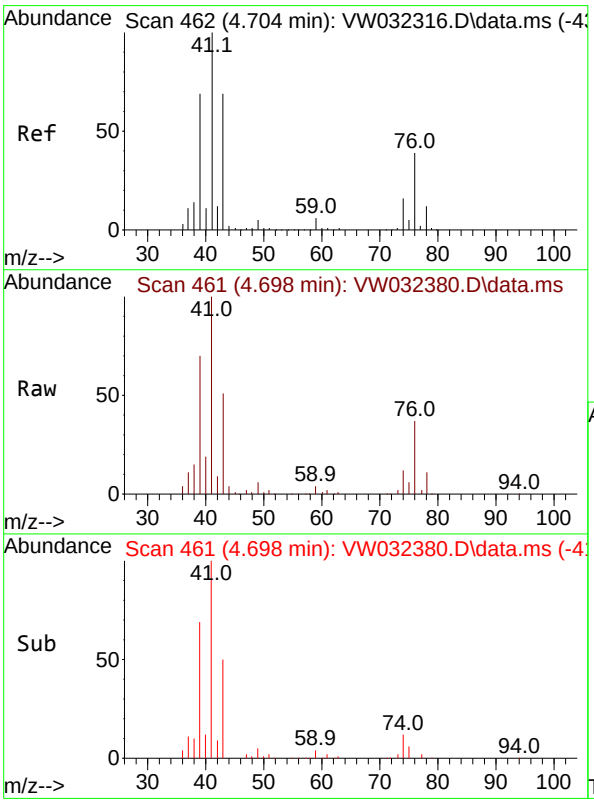
Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.4	84.6



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
APPROVED

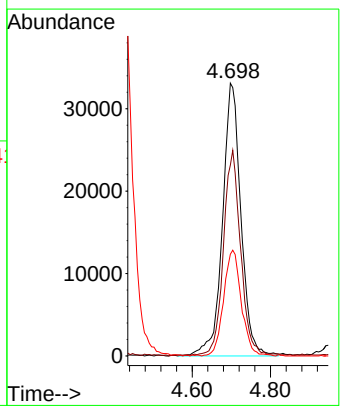
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

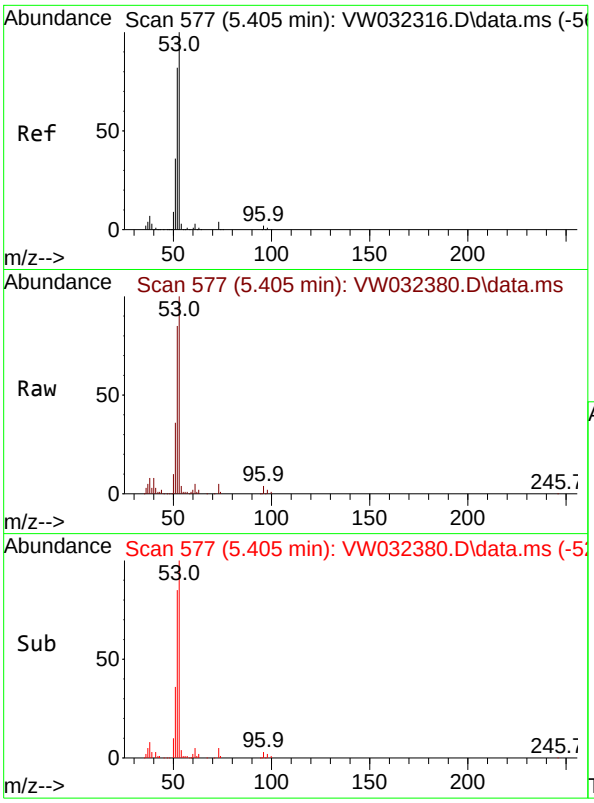


#14
Allyl chloride
Concen: 20.277 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 41 Resp: 108462

Ion	Ratio	Lower	Upper
41	100		
39	69.5	64.1	96.1
76	37.3	31.4	47.2

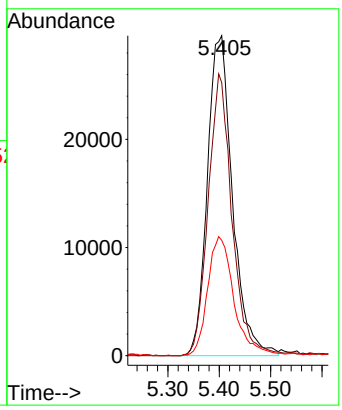




#15
Acrylonitrile
Concen: 91.844 ug/l
RT: 5.405 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 53 Resp: 10069

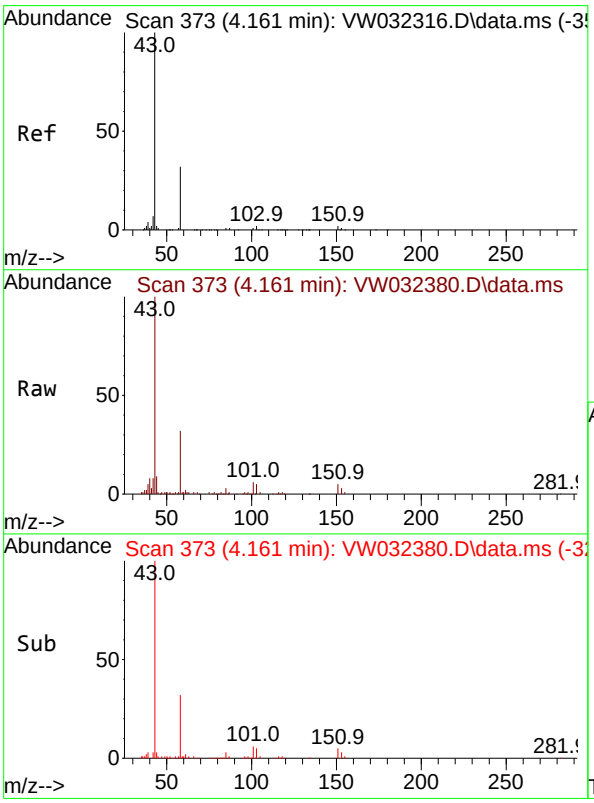
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.4	101.2
51	38.9	30.3	45.5



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

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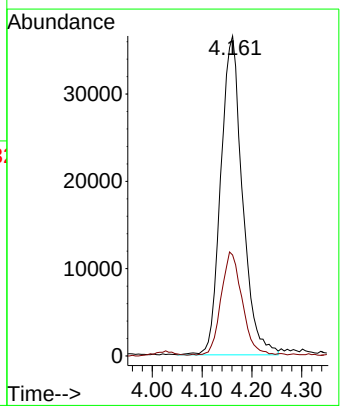
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

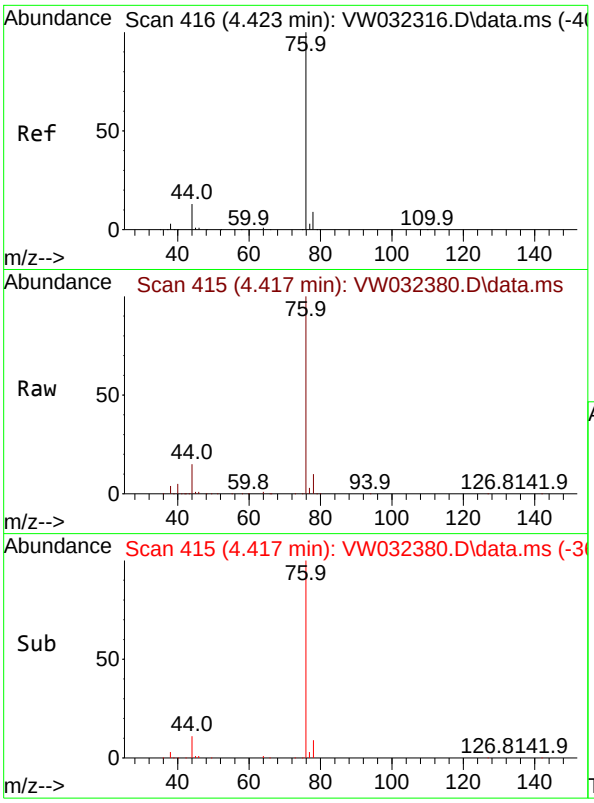


#16
Acetone
Concen: 97.079 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 43 Resp: 110171

Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.3	37.9





#17
Carbon Disulfide
Concen: 21.147 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

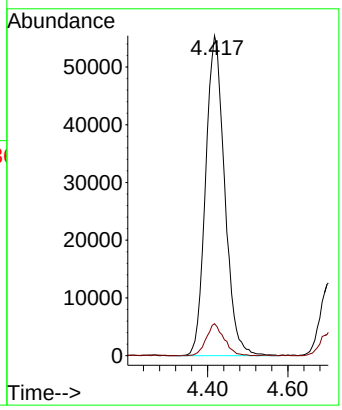
Tgt Ion: 76 Resp: 18272

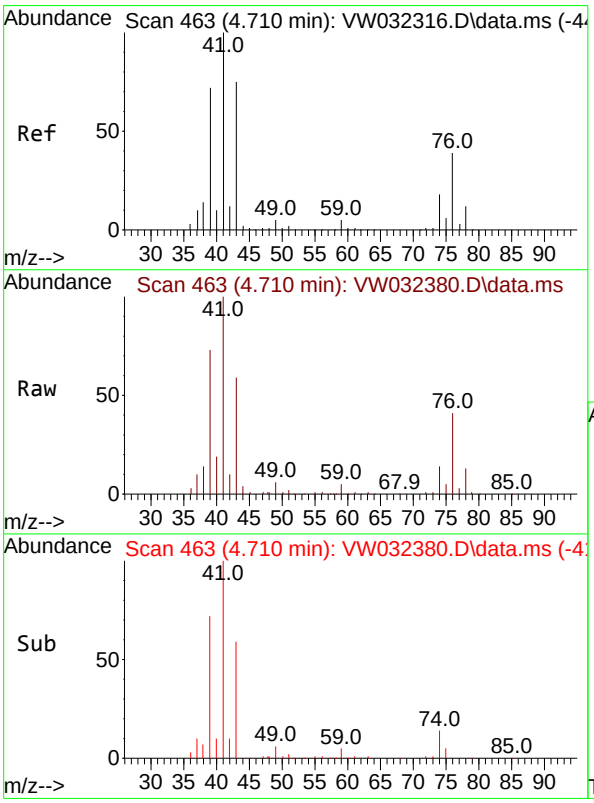
Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.0	10.6

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

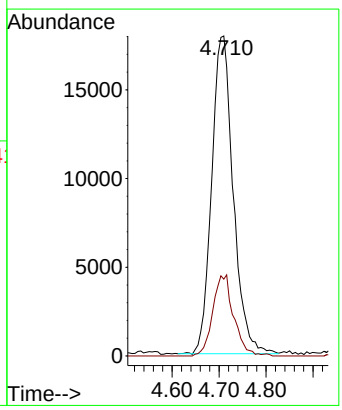


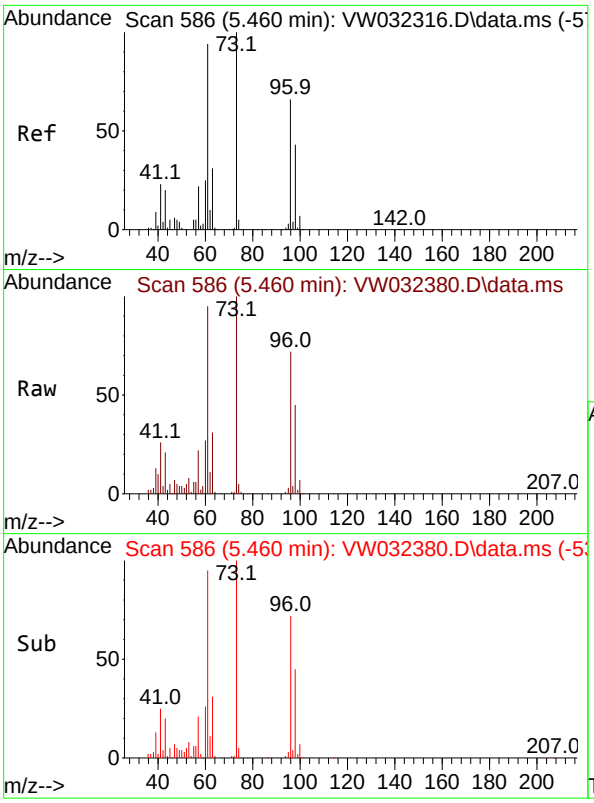


#18
Methyl Acetate
Concen: 17.537 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 43 Resp: 57010

Ion	Ratio	Lower	Upper
43	100		
74	24.8	20.2	30.4

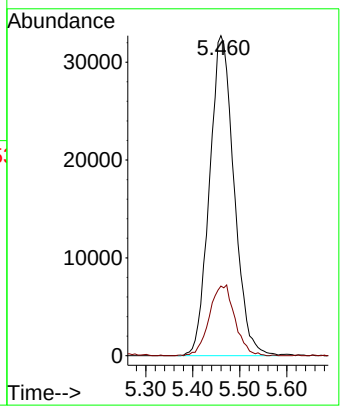




#19
Methyl tert-butyl Ether
Concen: 19.017 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 73 Resp: 11861

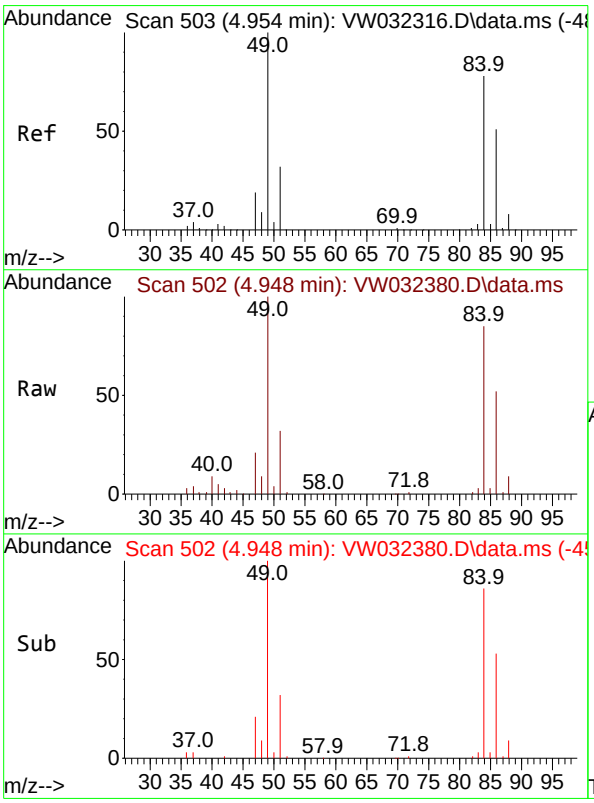
Ion	Ratio	Lower	Upper
73	100		
57	21.8	16.2	24.4



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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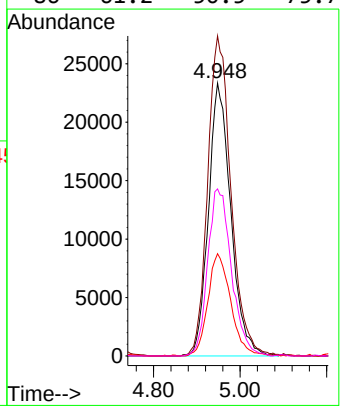
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

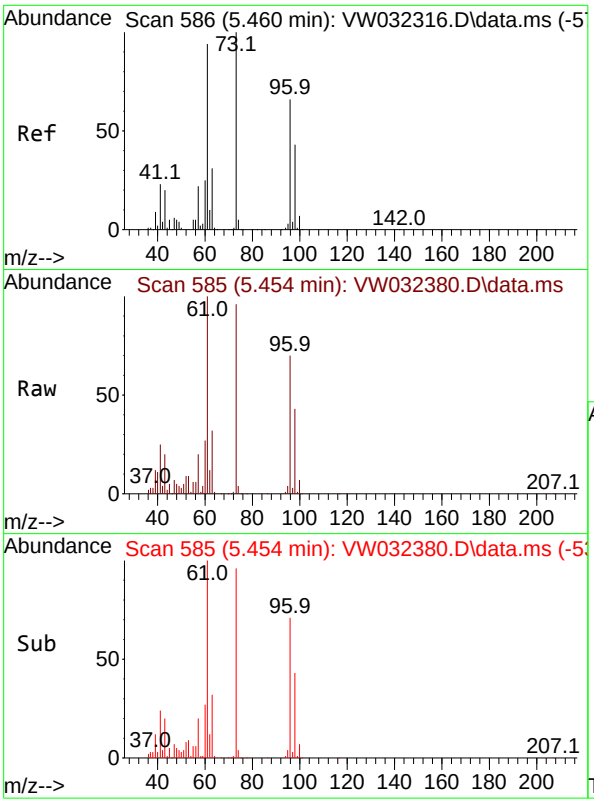


#20
Methylene Chloride
Concen: 19.017 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 84 Resp: 83888

Ion	Ratio	Lower	Upper
84	100		
49	117.3	92.2	138.4
51	37.5	31.0	46.6
86	61.2	50.5	75.7

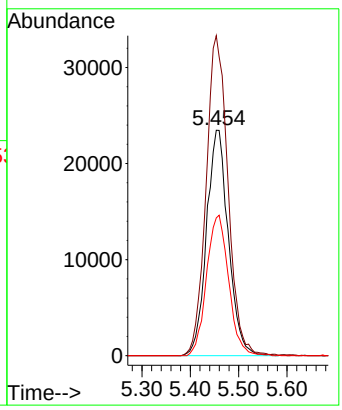




#21
trans-1,2-Dichloroethene
Concen: 20.987 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 96 Resp: 7358

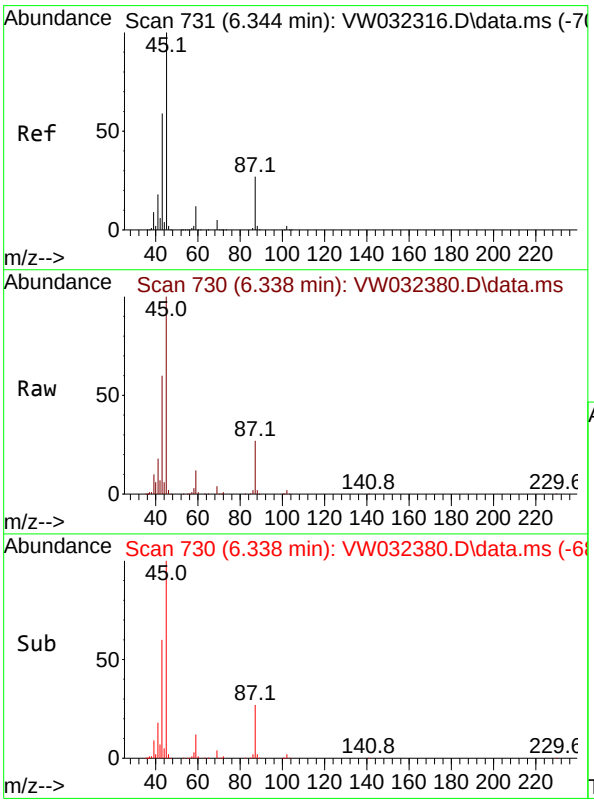
Ion	Ratio	Lower	Upper
96	100		
61	142.0	112.5	168.7
98	61.1	54.2	81.4



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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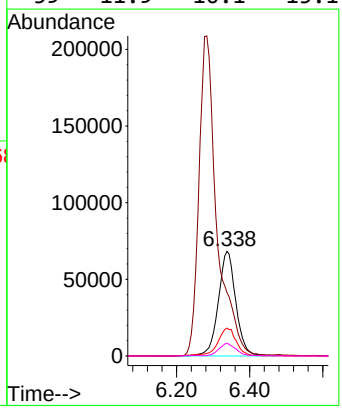
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

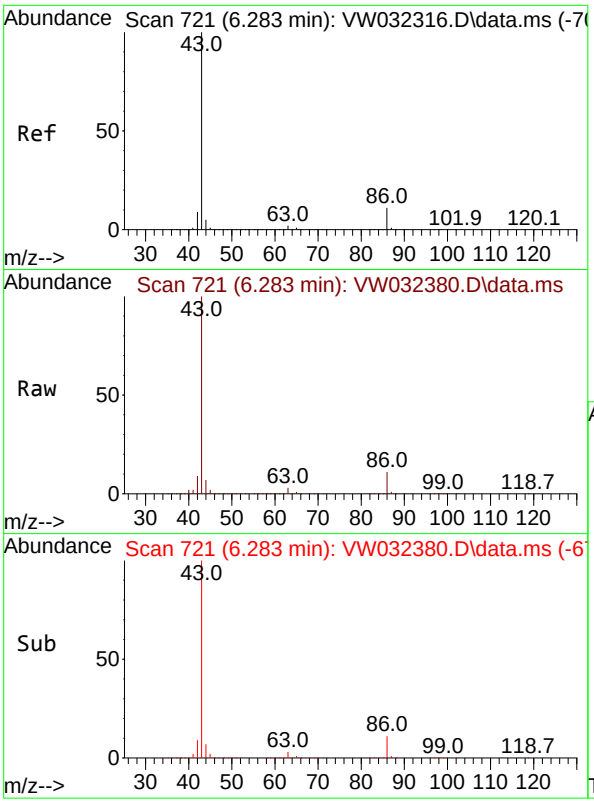


#22
Diisopropyl ether
Concen: 20.425 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 45 Resp: 227221

Ion	Ratio	Lower	Upper
45	100		
43	60.4	51.4	77.2
87	26.6	25.9	38.9
59	11.9	10.1	15.1





#23
Vinyl Acetate
Concen: 96.045 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

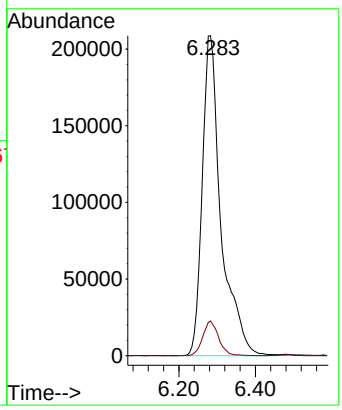
Tgt Ion: 43 Resp: 71364

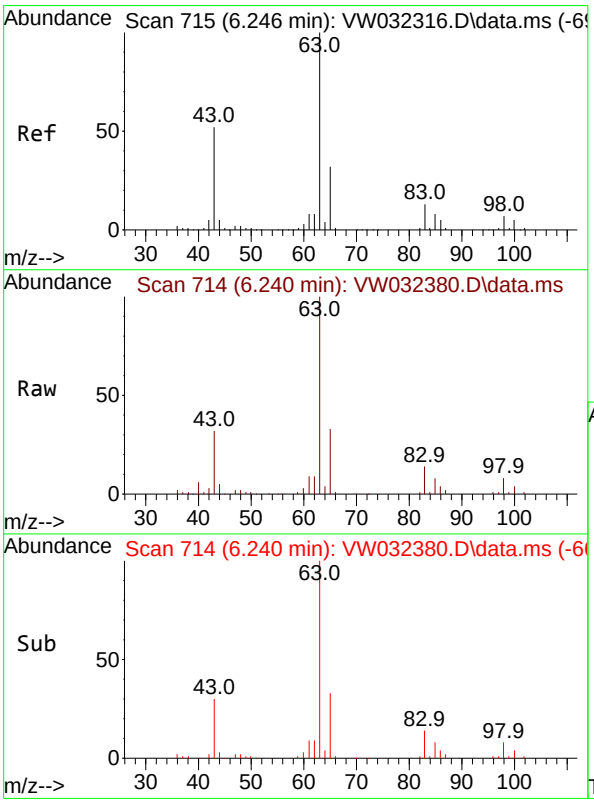
Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.8	13.2

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

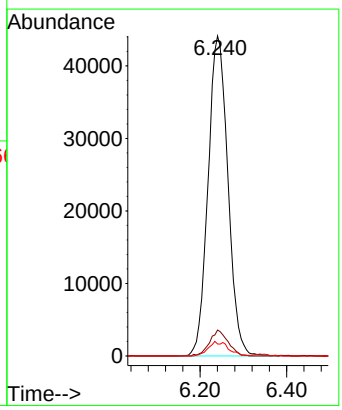


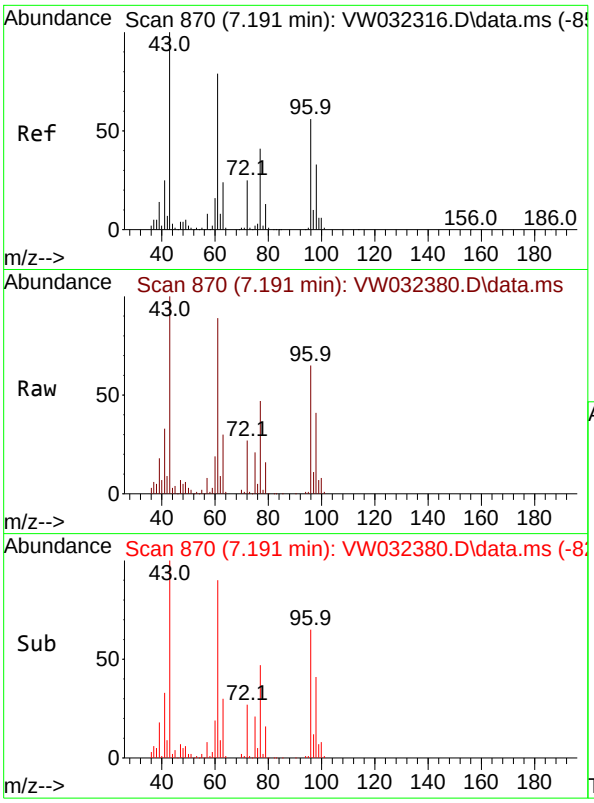


#24
1,1-Dichloroethane
Concen: 20.809 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 63 Resp: 140635

Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.8	11.2
100	3.8	2.5	7.5





#25
2-Butanone
Concen: 87.590 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

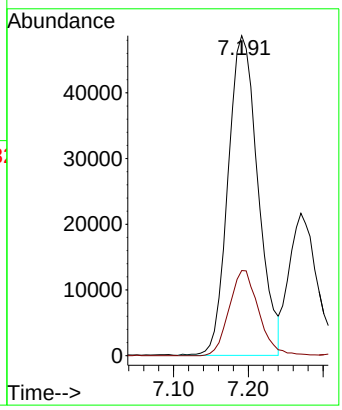
Tgt Ion: 43 Resp: 13538

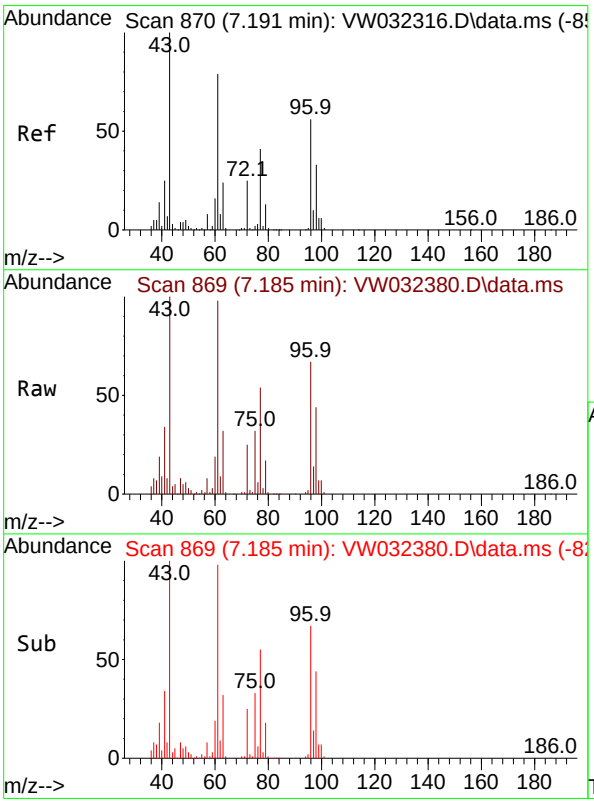
Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.4	32.2

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

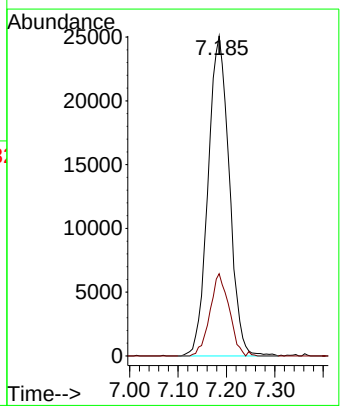


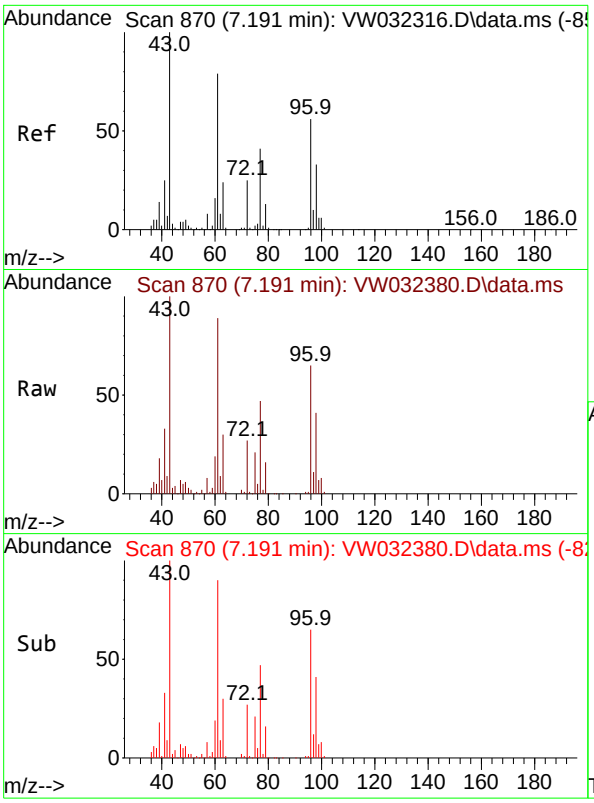


#26
2,2-Dichloropropane
Concen: 22.091 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 77 Resp: 76369

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.9	35.5

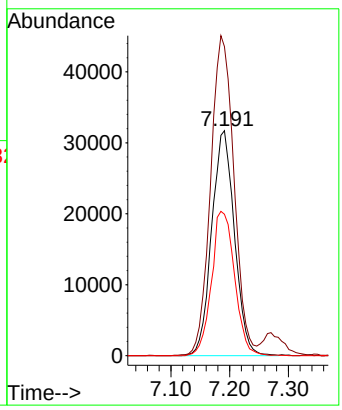




#27
cis-1,2-Dichloroethene
Concen: 20.260 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 96 Resp: 8533

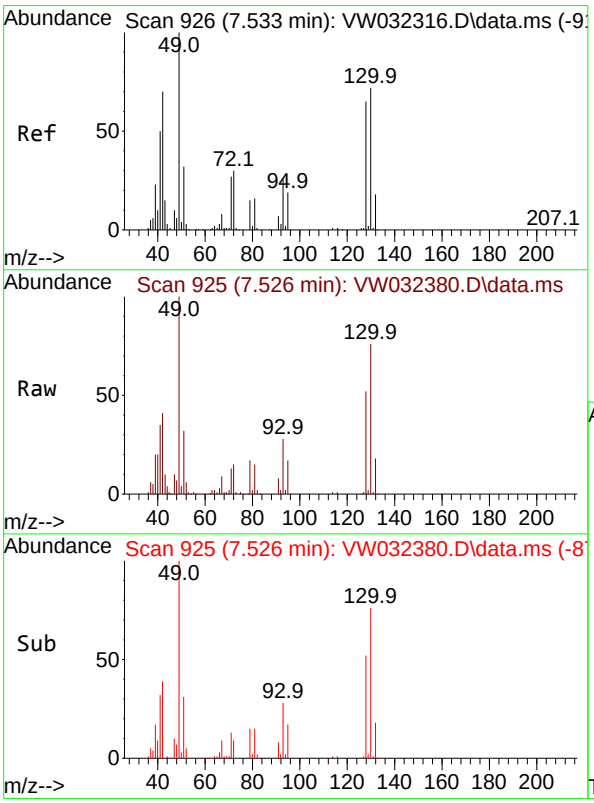
Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	268.0
98	65.1	0.0	130.8



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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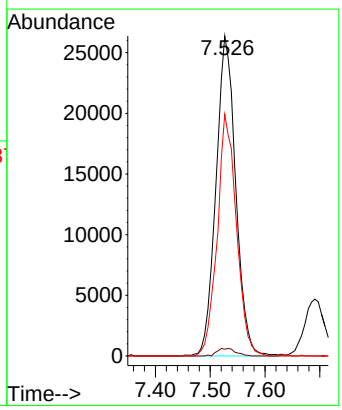
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

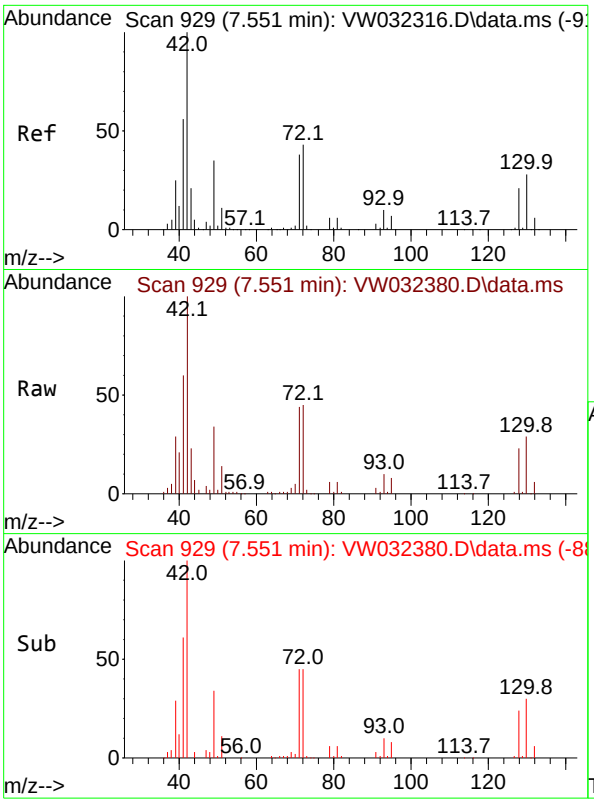


#28
Bromochloromethane
Concen: 20.766 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 49 Resp: 66032

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	73.3	67.5	101.3





#29
Tetrahydrofuran
Concen: 87.426 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

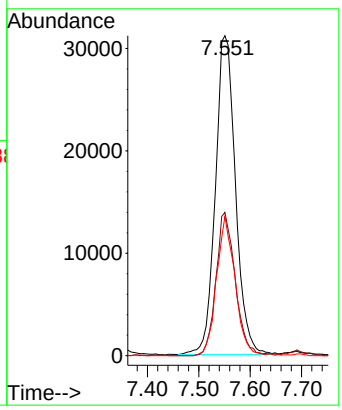
Tgt Ion: 42 Resp: 8497

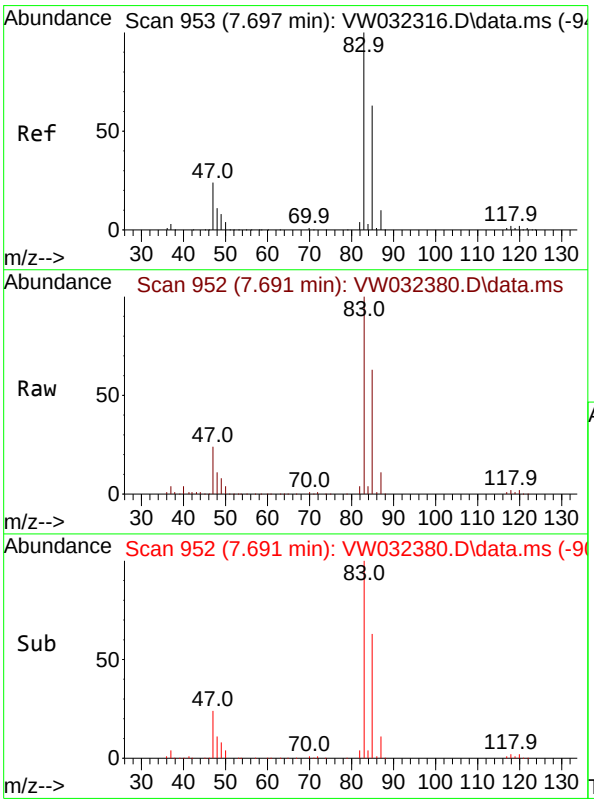
Ion	Ratio	Lower	Upper
42	100		
72	43.2	37.4	56.2
71	40.1	36.0	54.0

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

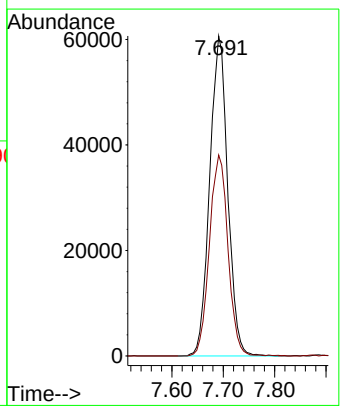


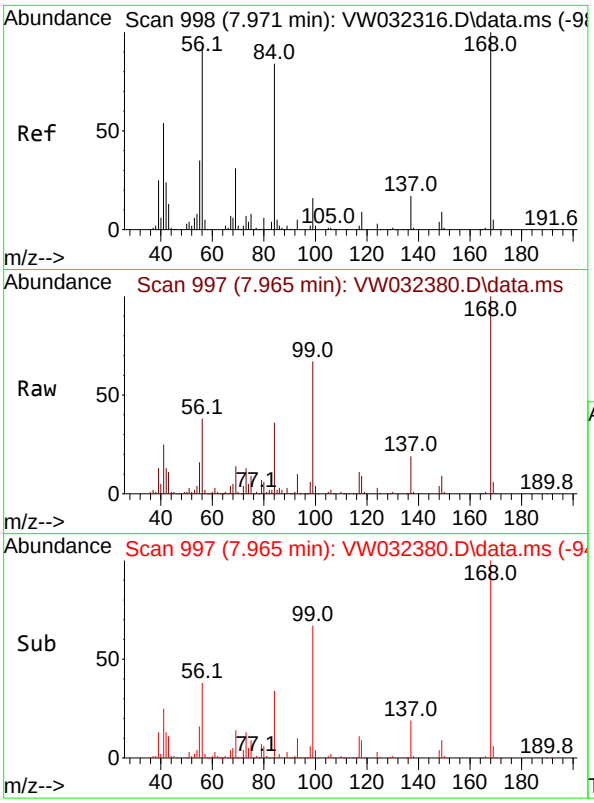


#30
Chloroform
Concen: 21.519 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 83 Resp: 147499

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.2	76.8

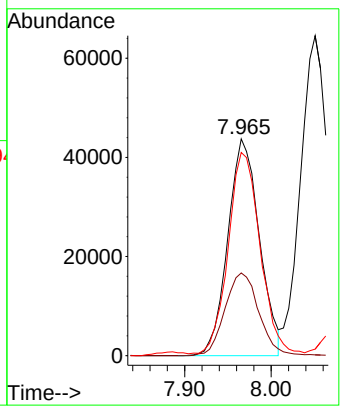




#31
Cyclohexane
Concen: 19.181 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 56 Resp: 11067

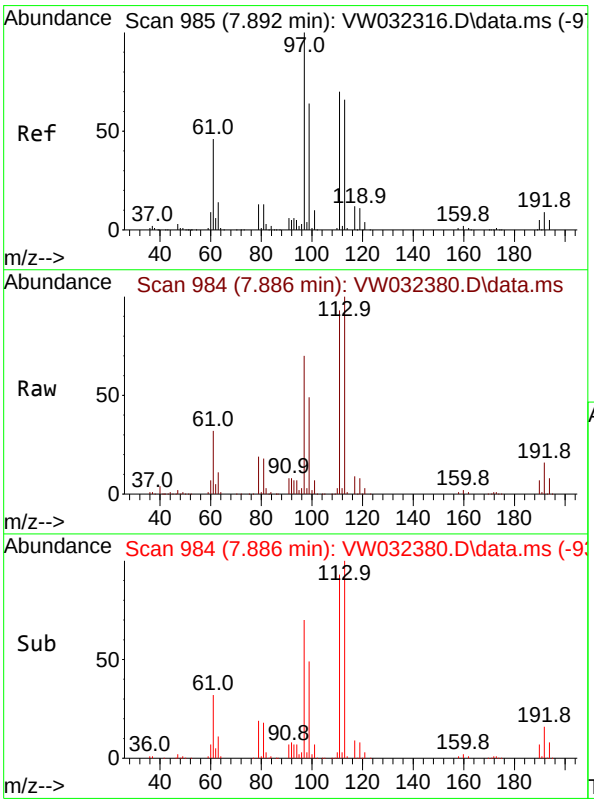
Ion	Ratio	Lower	Upper
56	100		
69	38.1	27.7	41.5
84	92.3	74.6	112.0



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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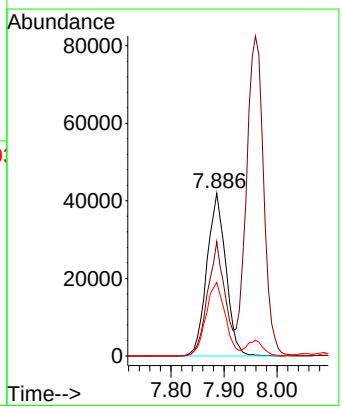
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

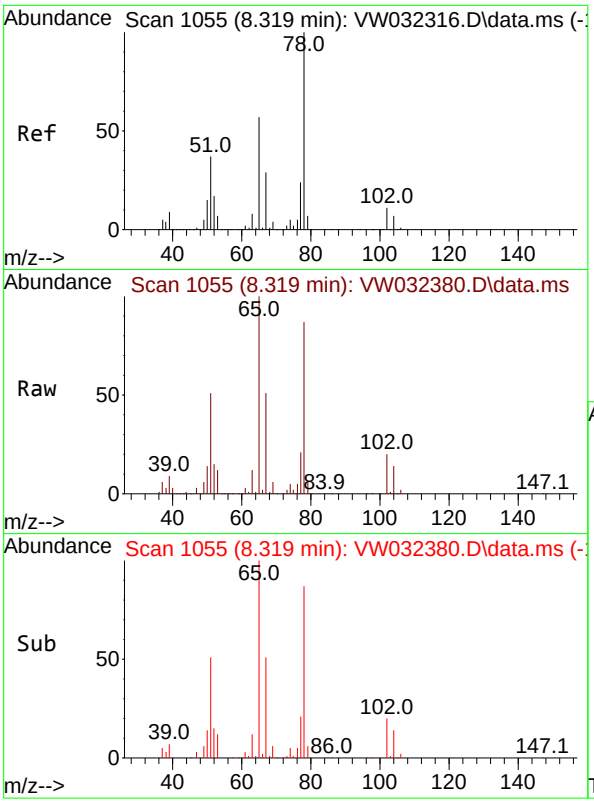


#32
1,1,1-Trichloroethane
Concen: 21.471 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 97 Resp: 104287

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	46.0	36.2	54.4

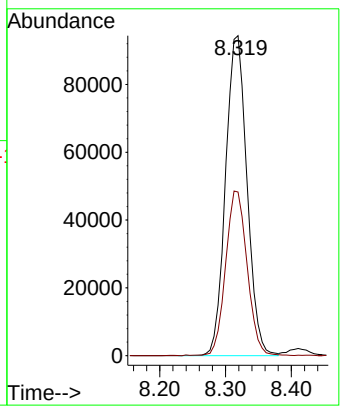




#33
1,2-Dichloroethane-d4
Concen: 52.149 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 65 Resp: 21373

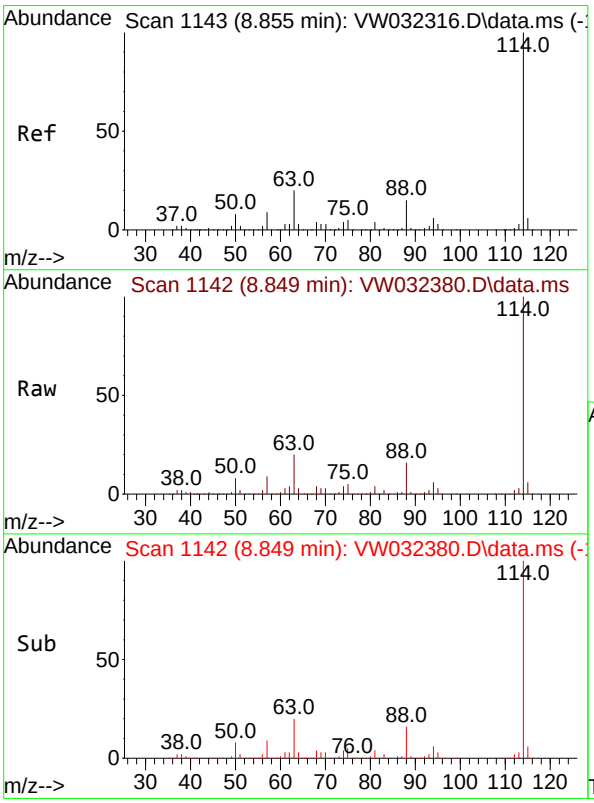
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	99.6



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
APPROVED

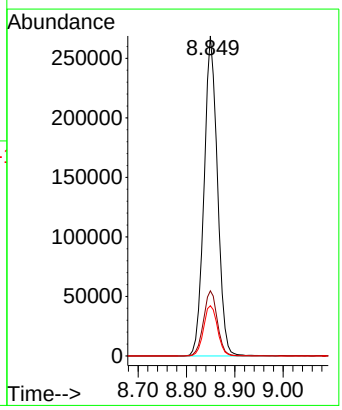
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

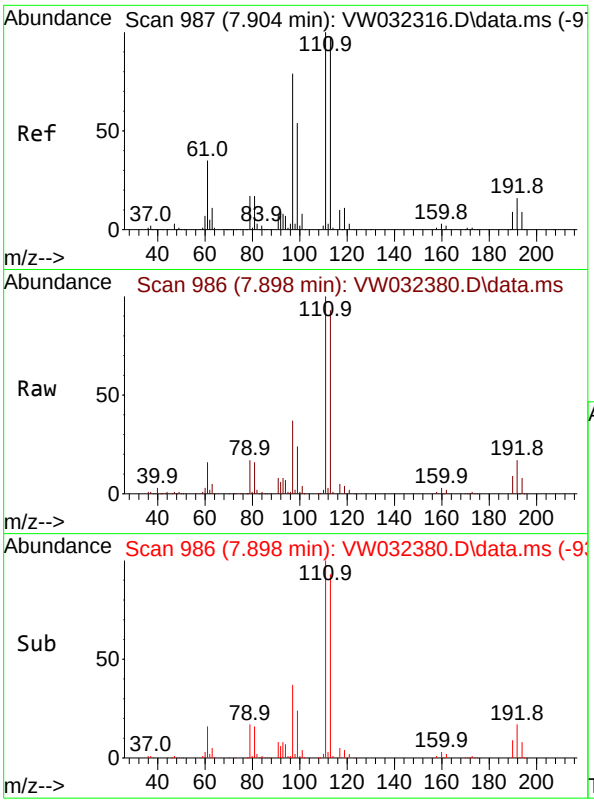


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:114 Resp: 517149

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.4
88	15.7	0.0	32.0





#35
Dibromofluoromethane
Concen: 53.284 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

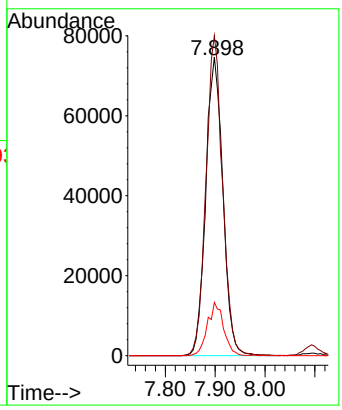
Tgt Ion:113 Resp: 17845

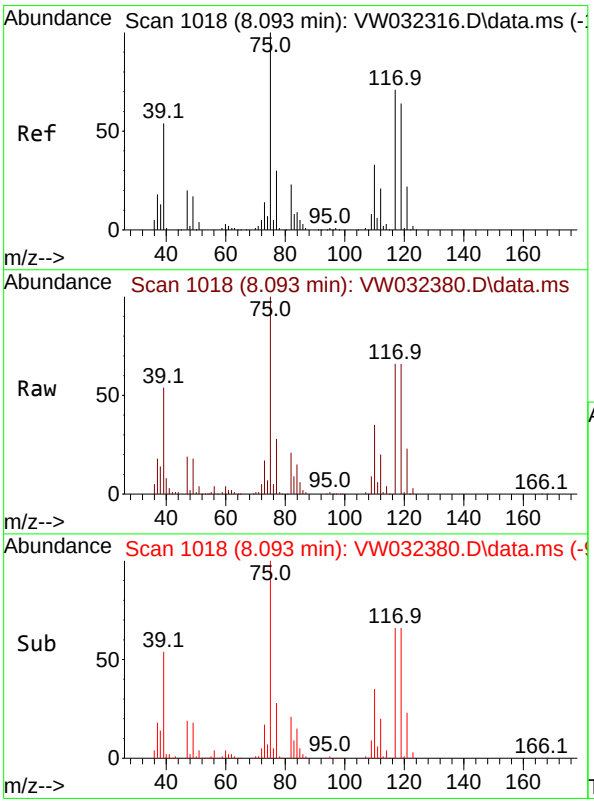
Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.9	125.9
192	16.8	14.6	21.8

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

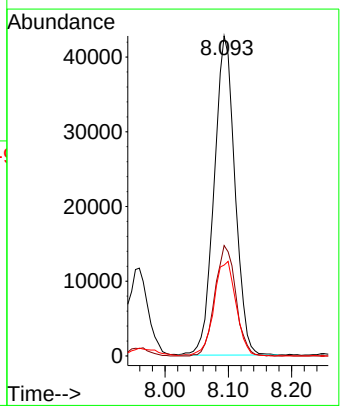


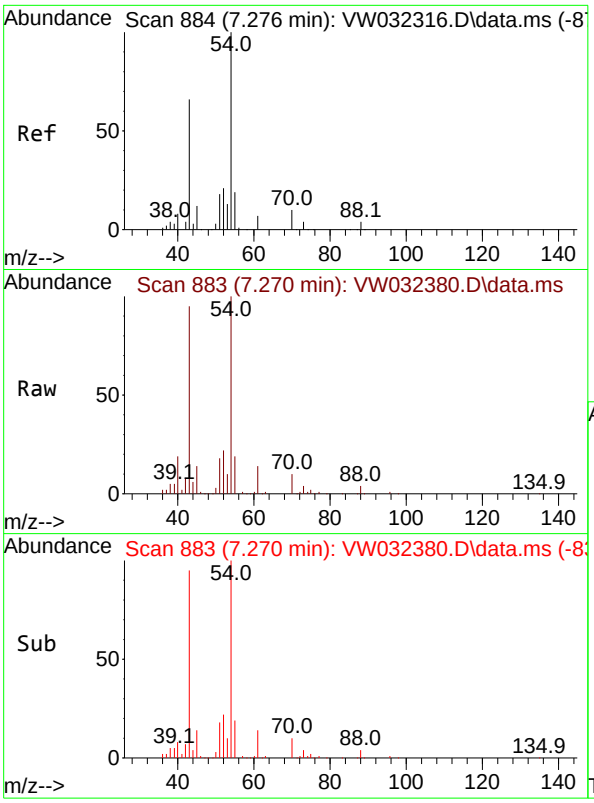


#36
1,1-Dichloropropene
Concen: 20.572 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 75 Resp: 97235

Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.5	52.5
77	31.8	24.1	36.1

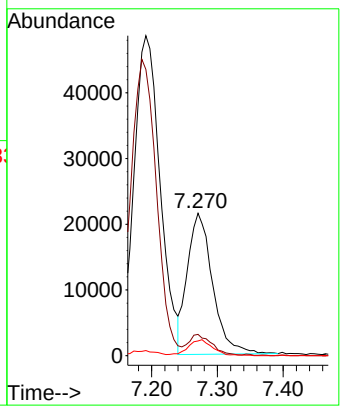




#37
Ethyl Acetate
Concen: 18.169 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 43 Resp: 5716

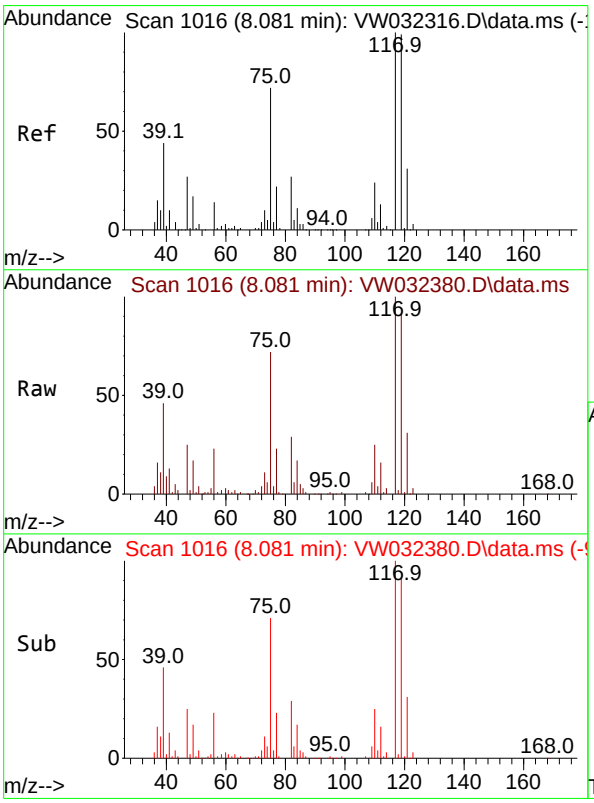
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.3	16.9
70	11.0	8.9	13.3



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
APPROVED

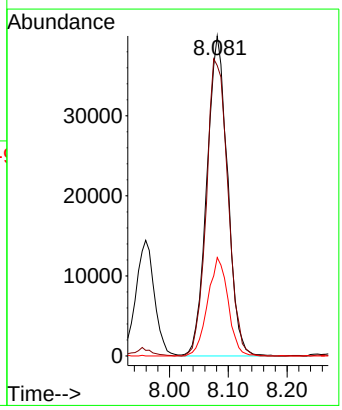
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

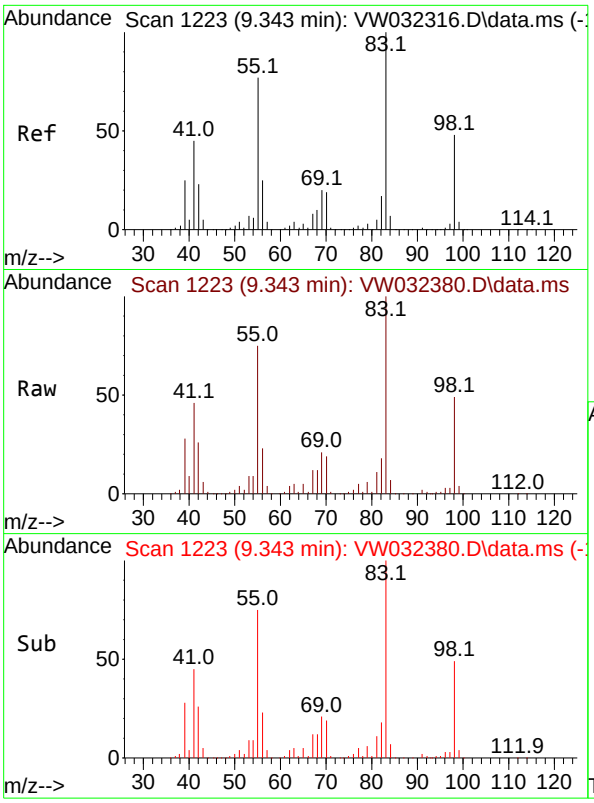


#38
Carbon Tetrachloride
Concen: 22.006 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:117 Resp: 97878

Ion	Ratio	Lower	Upper
117	100		
119	90.7	74.2	111.2
121	30.8	25.6	38.4





#39
Methylcyclohexane
Concen: 19.345 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

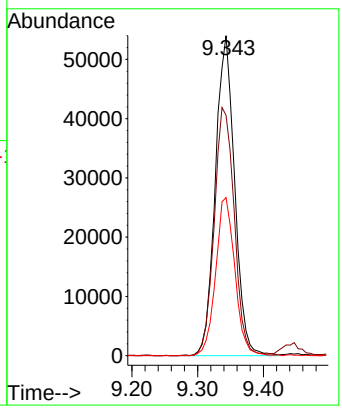
Tgt Ion: 83 Resp: 11029

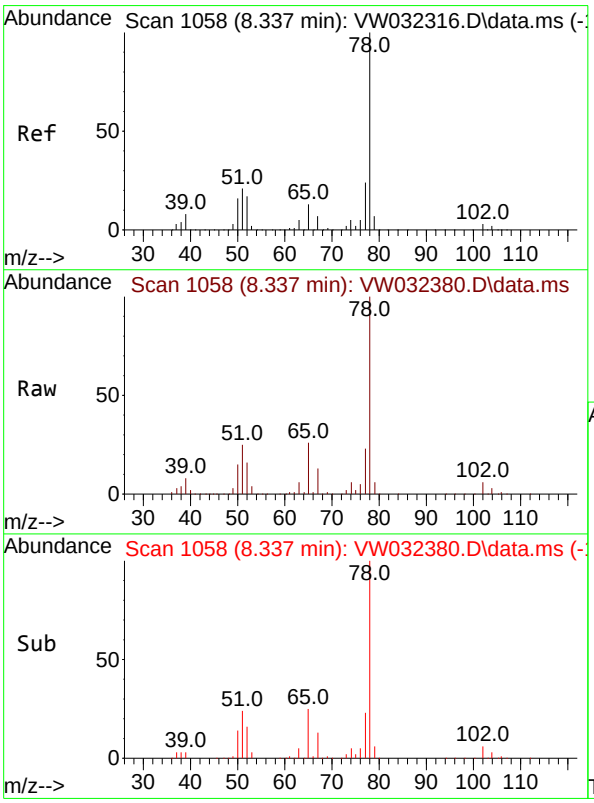
Ion	Ratio	Lower	Upper
83	100		
55	75.2	58.4	87.6
98	49.4	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

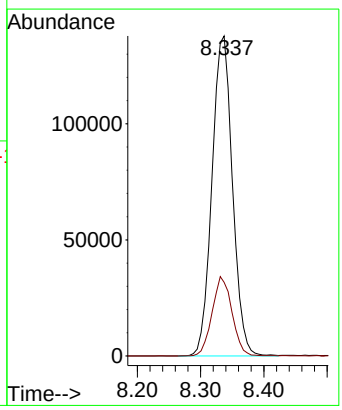


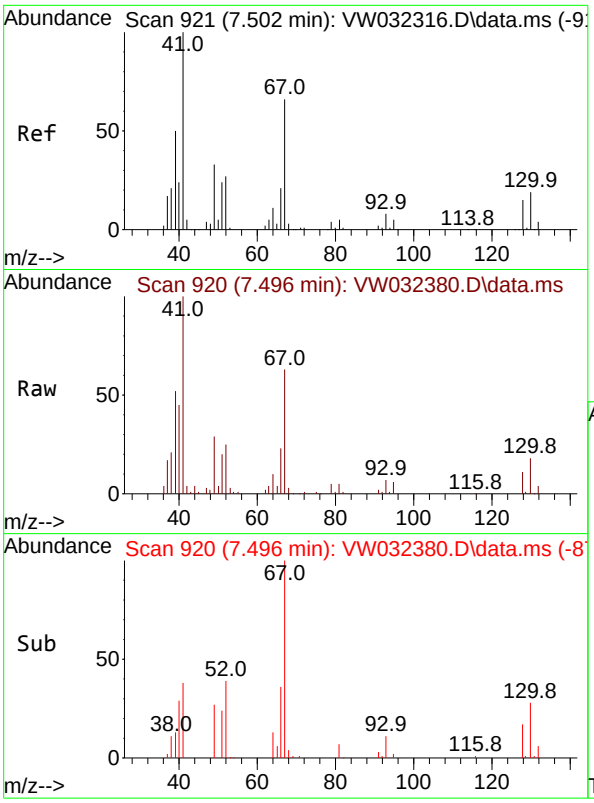


#40
Benzene
Concen: 20.901 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 78 Resp: 309652

Ion	Ratio	Lower	Upper
78	100		
77	23.0	20.7	31.1

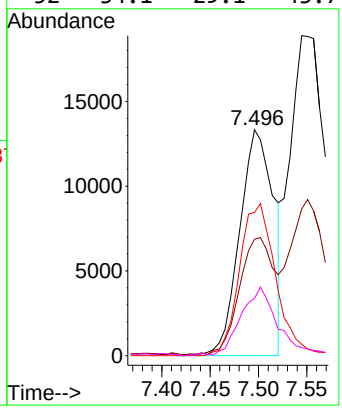




#41
Methacrylonitrile
Concen: 19.180 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 41 Resp: 3251

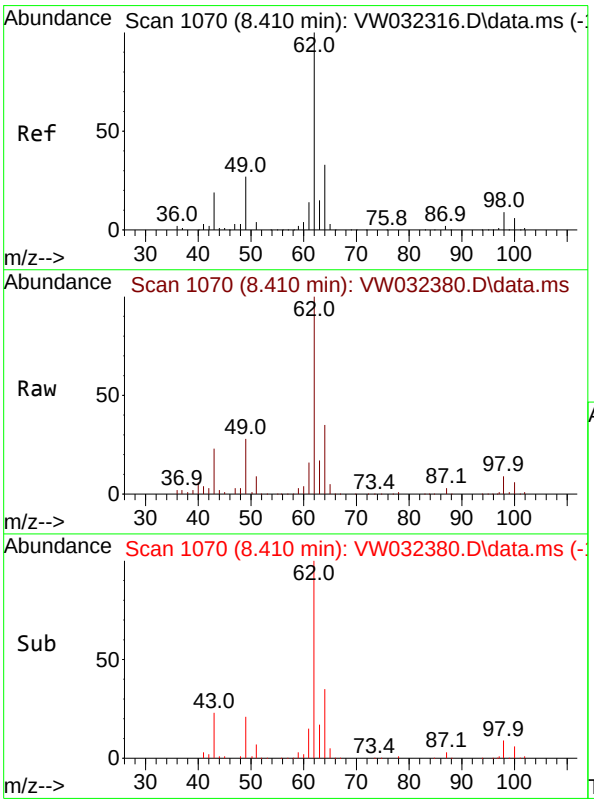
Ion	Ratio	Lower	Upper
41	100		
39	54.4	50.9	76.3
67	72.8	65.6	98.4
52	34.1	29.1	43.7



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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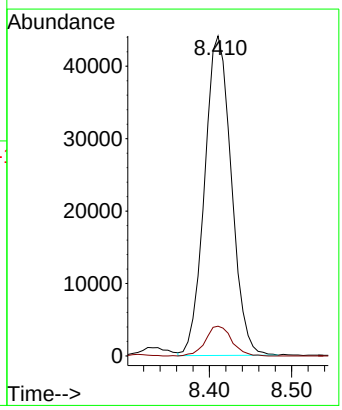
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

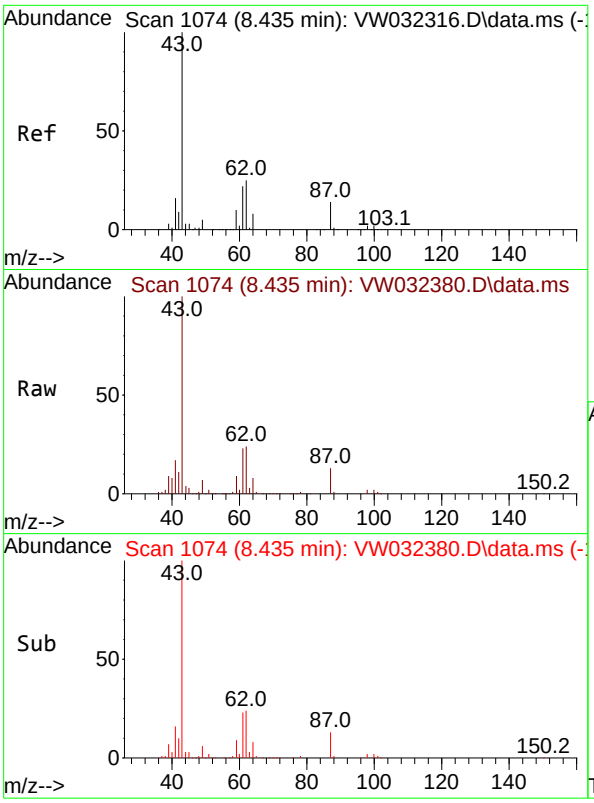


#42
1,2-Dichloroethane
Concen: 20.591 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 62 Resp: 99820

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.0

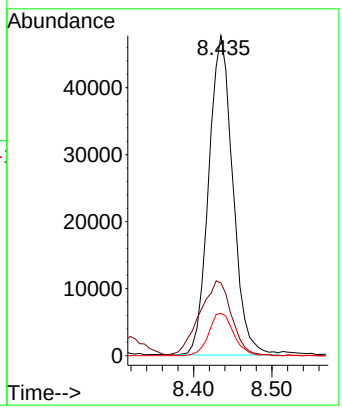




#43
Isopropyl Acetate
Concen: 18.271 ug/l
RT: 8.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 43 Resp: 10196

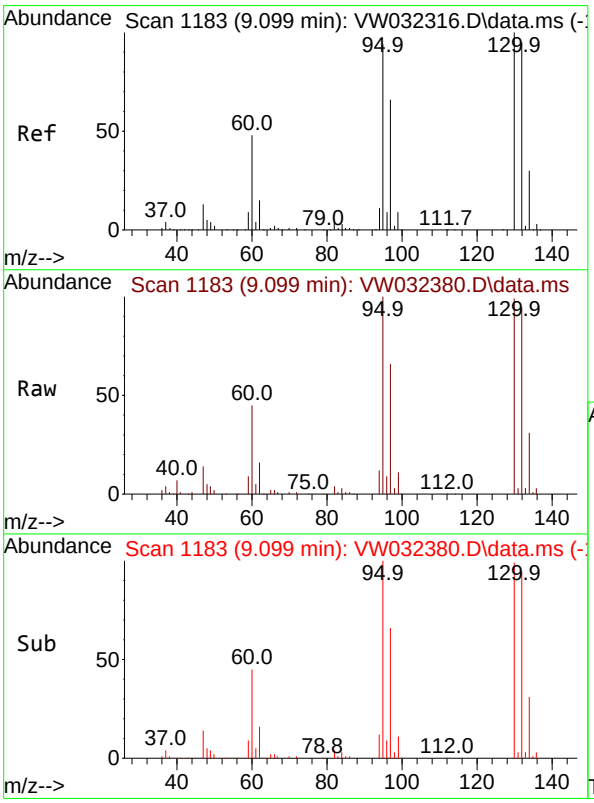
Ion	Ratio	Lower	Upper
43	100		
61	31.0	23.3	34.9
87	13.7	11.1	16.7



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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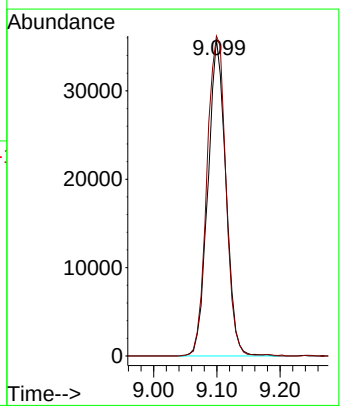
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

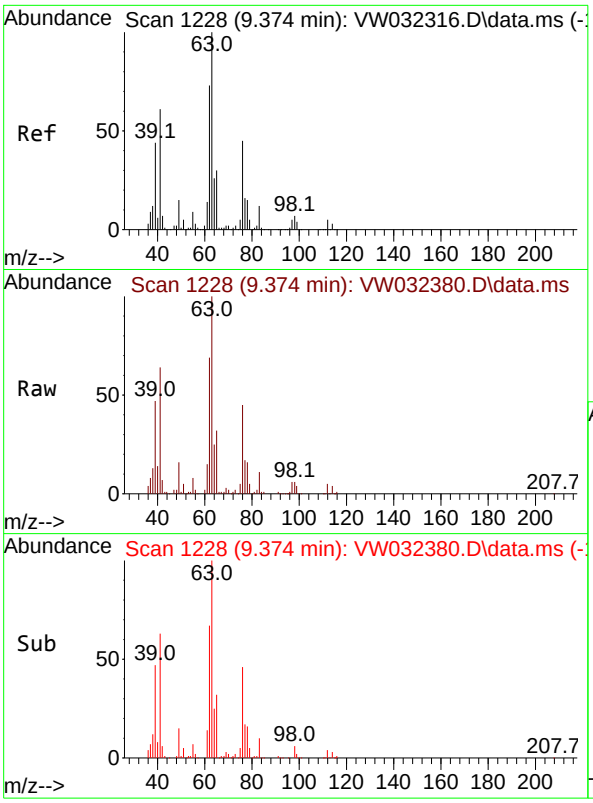


#44
Trichloroethene
Concen: 20.348 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:130 Resp: 70587

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	220.0





#45
1,2-Dichloropropane
Concen: 21.021 ug/l
RT: 9.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

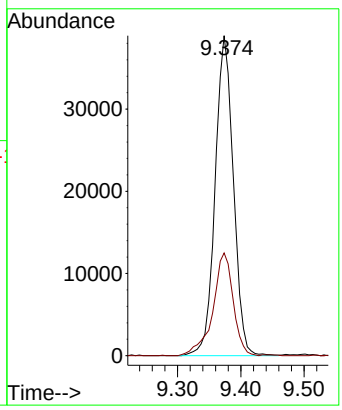
Tgt Ion: 63 Resp: 7773

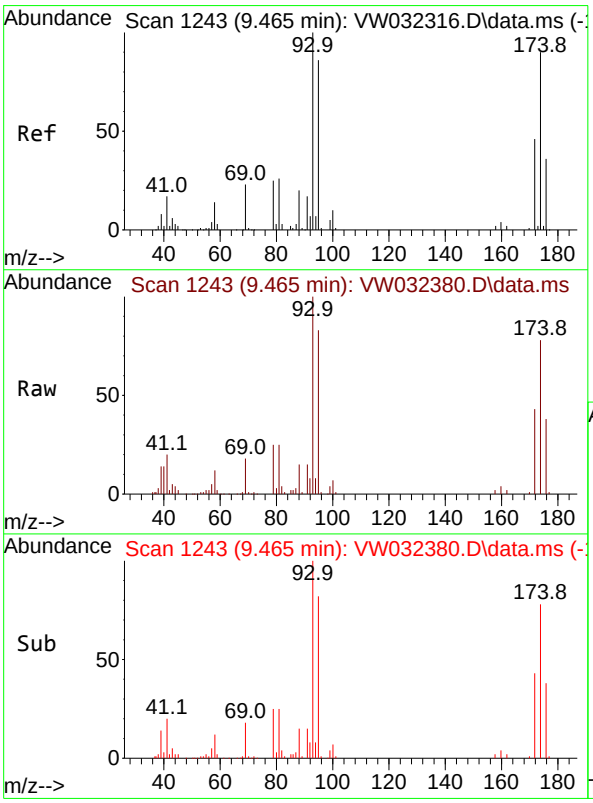
Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.3	36.5

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

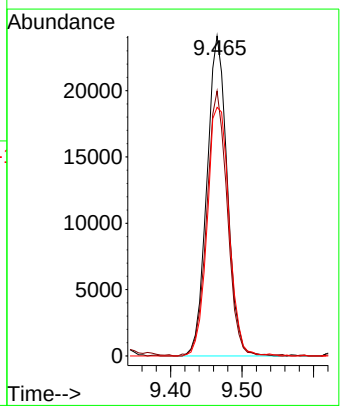


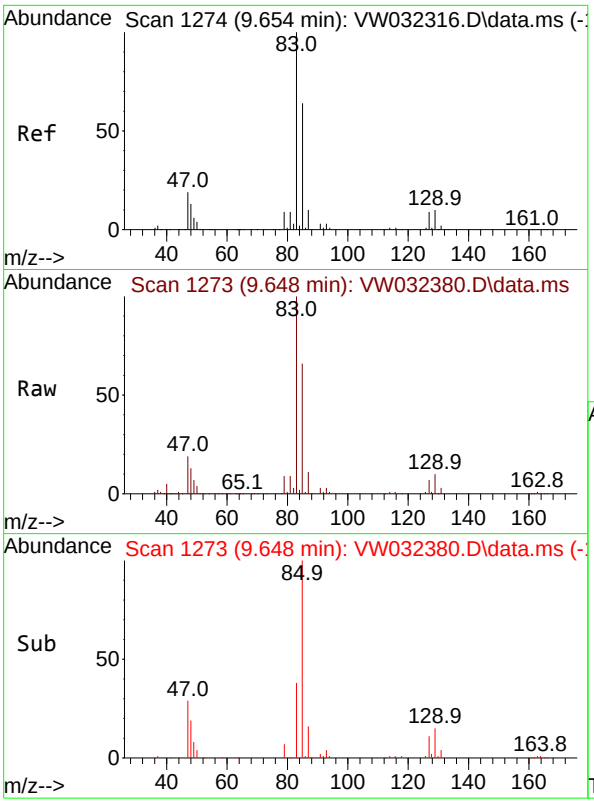


#46
Dibromomethane
Concen: 20.980 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 93 Resp: 47706

Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.4	101.2
174	83.7	75.7	113.5

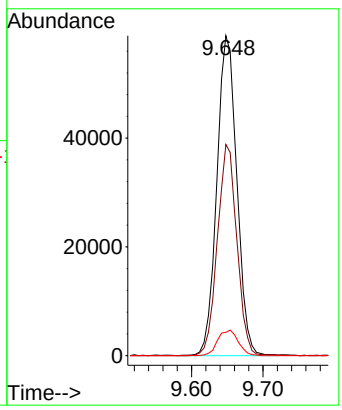




#47
Bromodichloromethane
Concen: 21.975 ug/l
RT: 9.648 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 83 Resp: 11429

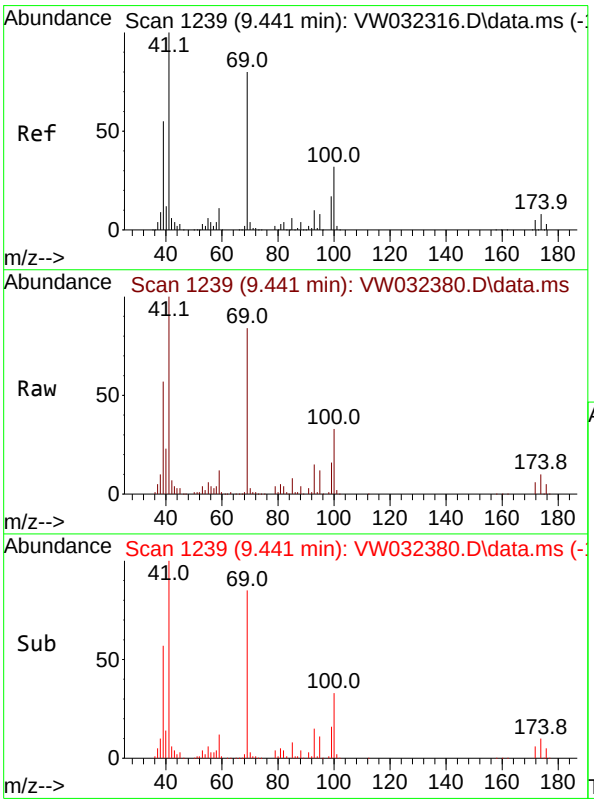
Ion	Ratio	Lower	Upper
83	100		
85	66.0	48.7	73.1
127	7.3	6.4	9.6



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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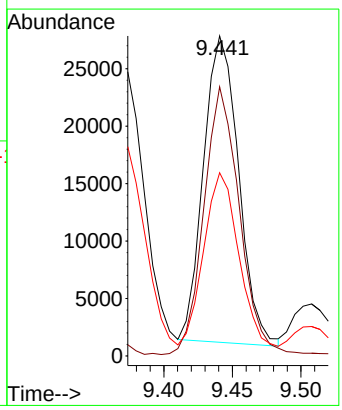
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

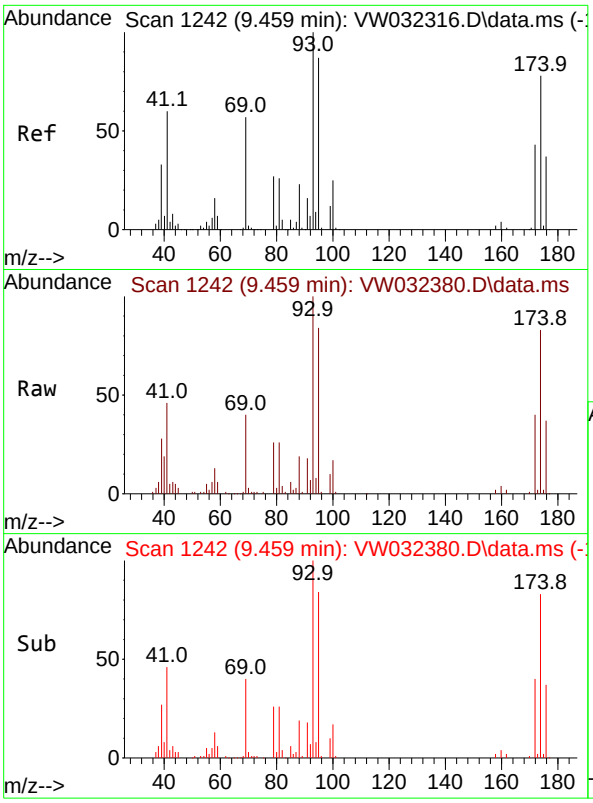


#48
Methyl methacrylate
Concen: 17.496 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 41 Resp: 47476

Ion	Ratio	Lower	Upper
41	100		
69	89.6	71.5	107.3
39	56.8	55.9	83.9

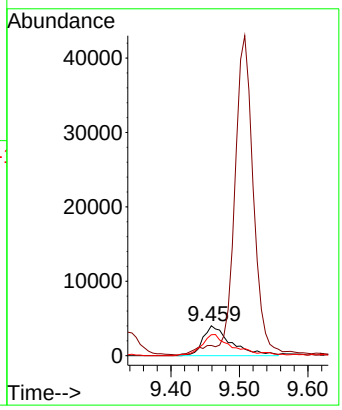




#49
1,4-Dioxane
Concen: 368.334 ug/l
RT: 9.459 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 88 Resp: 1144

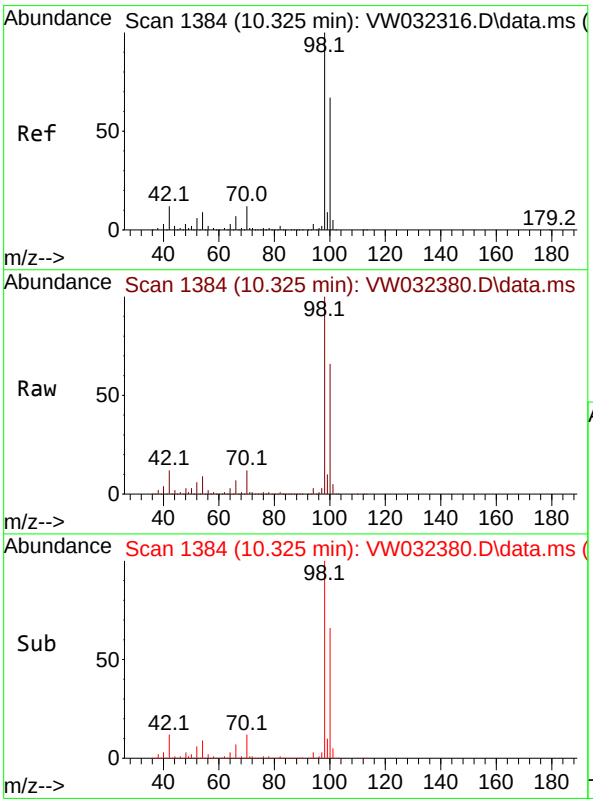
Ion	Ratio	Lower	Upper
88	100		
43	0.0	18.0	27.0#
58	73.2	55.4	83.0



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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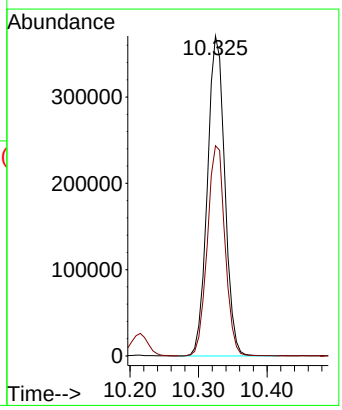
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

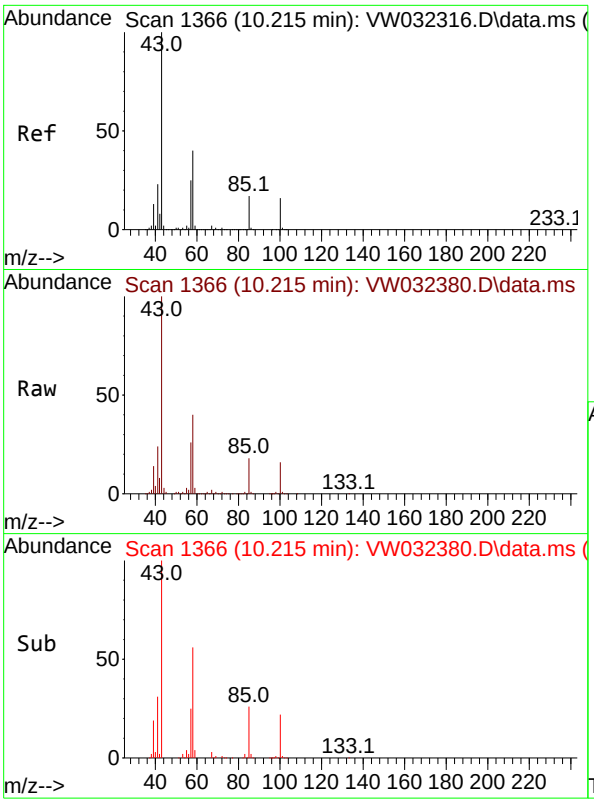


#50
Toluene-d8
Concen: 53.025 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 98 Resp: 655431

Ion	Ratio	Lower	Upper
98	100		
100	66.7	51.4	77.2





#51
4-Methyl-2-Pentanone
Concen: 92.294 ug/l
RT: 10.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

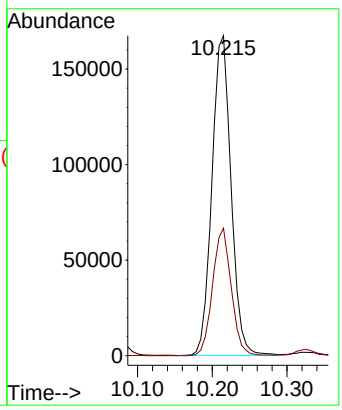
Tgt Ion: 43 Resp: 29834

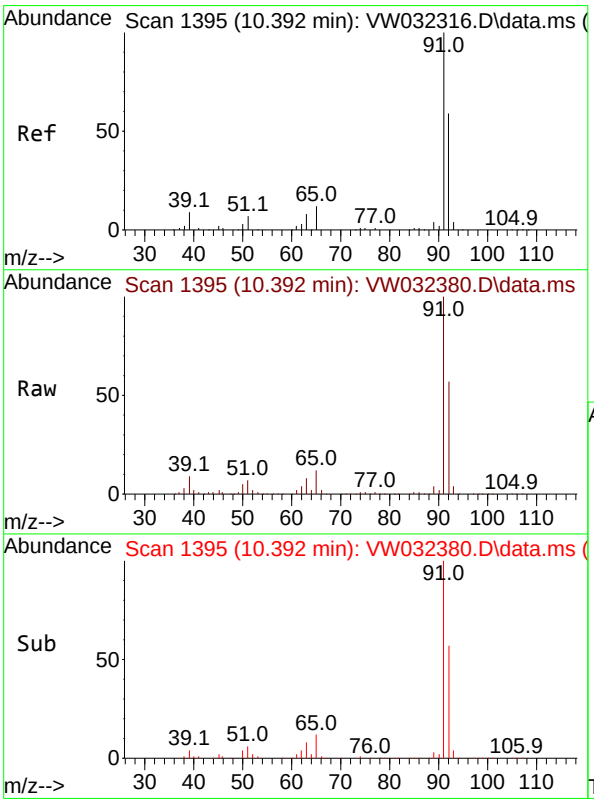
Ion	Ratio	Lower	Upper
43	100		
58	39.0	32.0	48.0

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

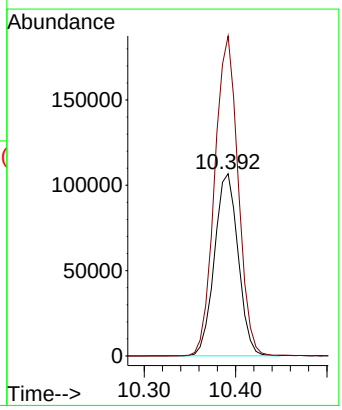


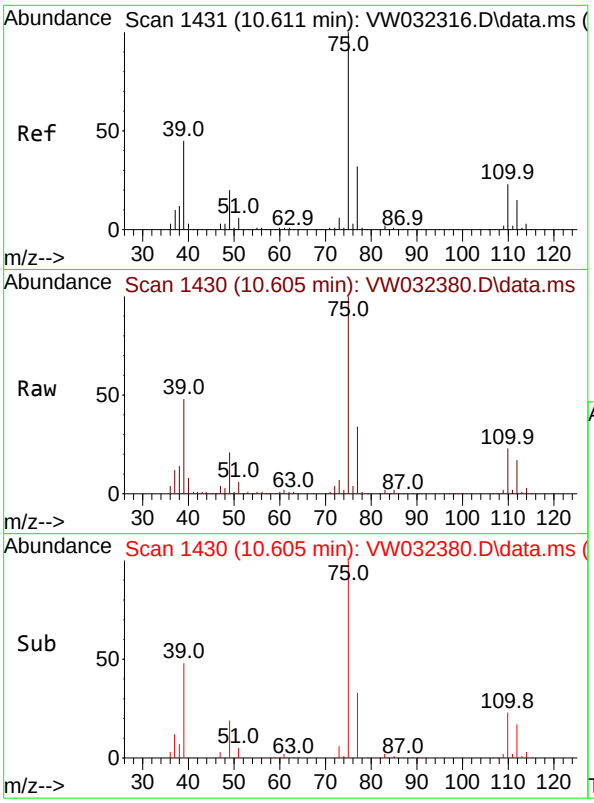


#52
Toluene
Concen: 20.790 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 92 Resp: 191814

Ion	Ratio	Lower	Upper
92	100		
91	174.9	137.5	206.3

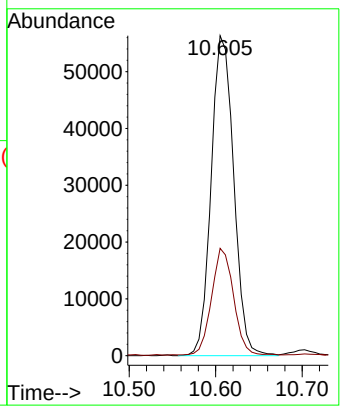




#53
t-1,3-Dichloropropene
Concen: 20.233 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 75 Resp: 10209

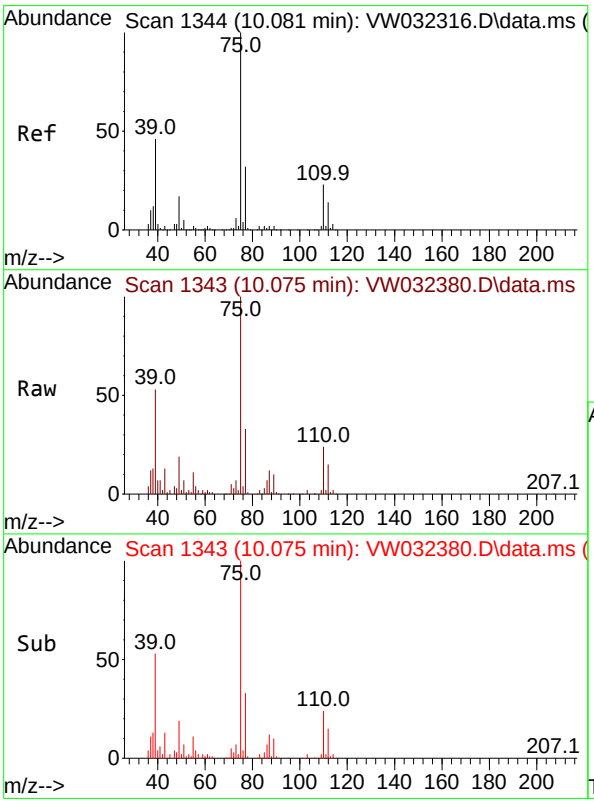
Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

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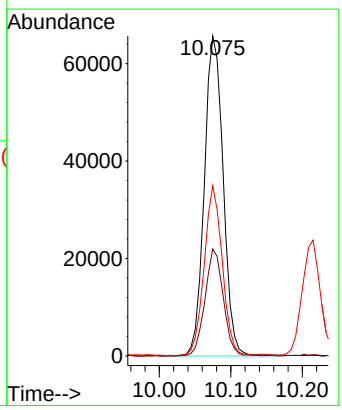
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

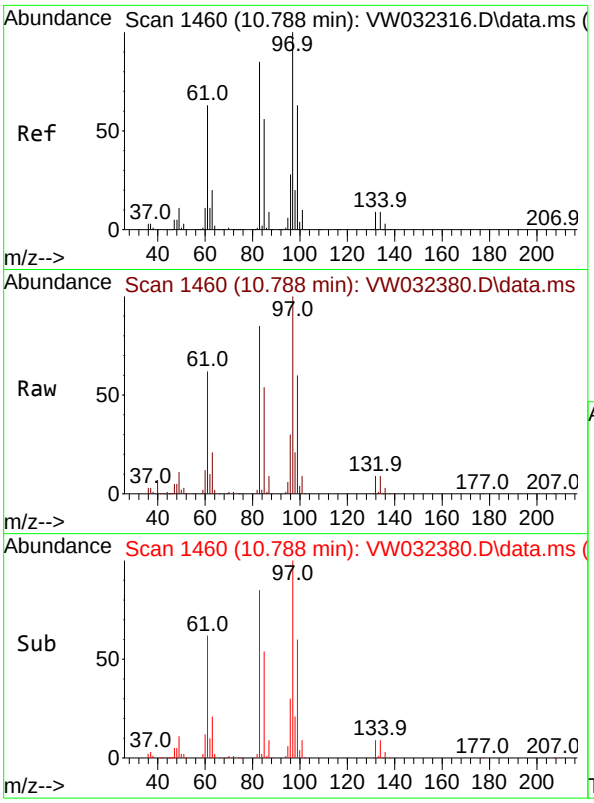


#54
cis-1,3-Dichloropropene
Concen: 20.705 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 75 Resp: 120341

Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.1	37.7
39	53.0	43.2	64.8

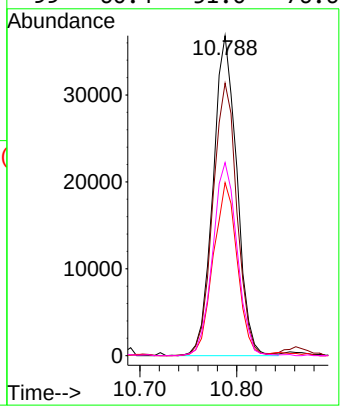




#55
1,1,2-Trichloroethane
Concen: 20.679 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 97 Resp: 6284

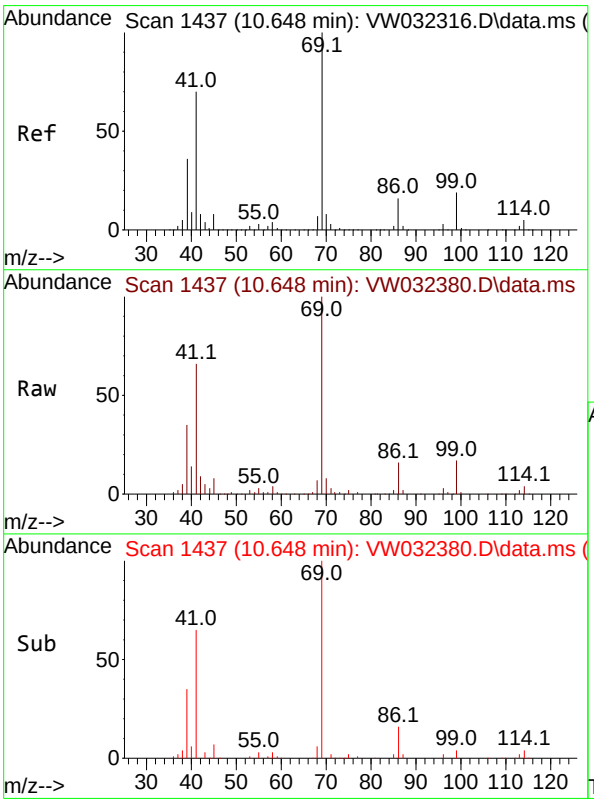
Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.0	106.6
85	54.1	42.8	64.2
99	60.4	51.0	76.6



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

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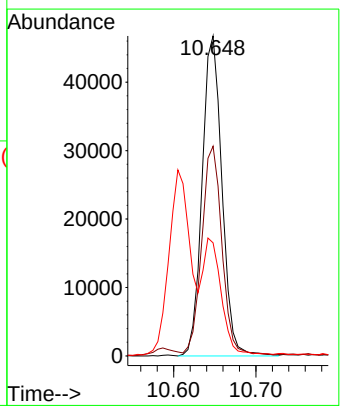
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

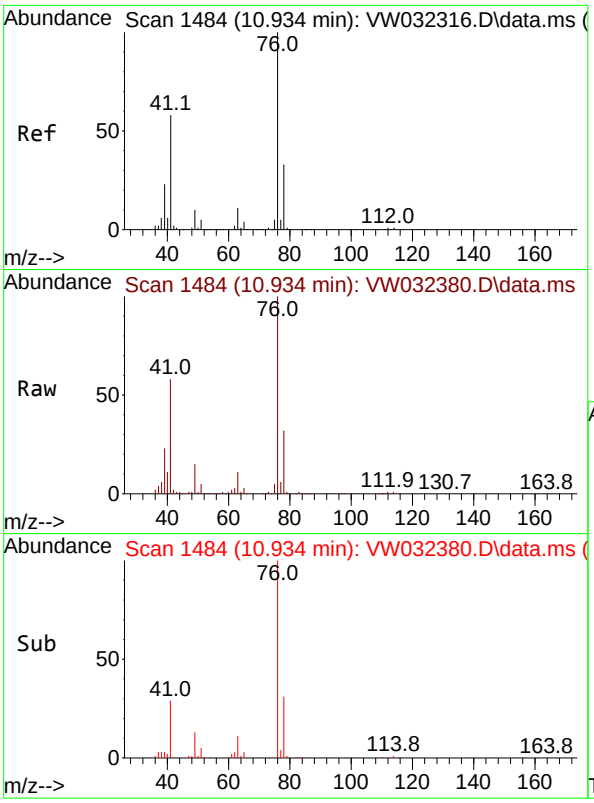


#56
Ethyl methacrylate
Concen: 18.412 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 69 Resp: 78320

Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.2	79.8
39	33.6	32.9	49.3

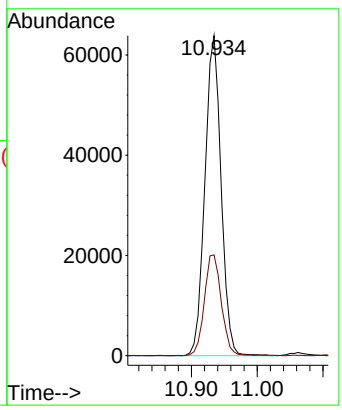




#57
1,3-Dichloropropane
Concen: 20.350 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 76 Resp: 10923

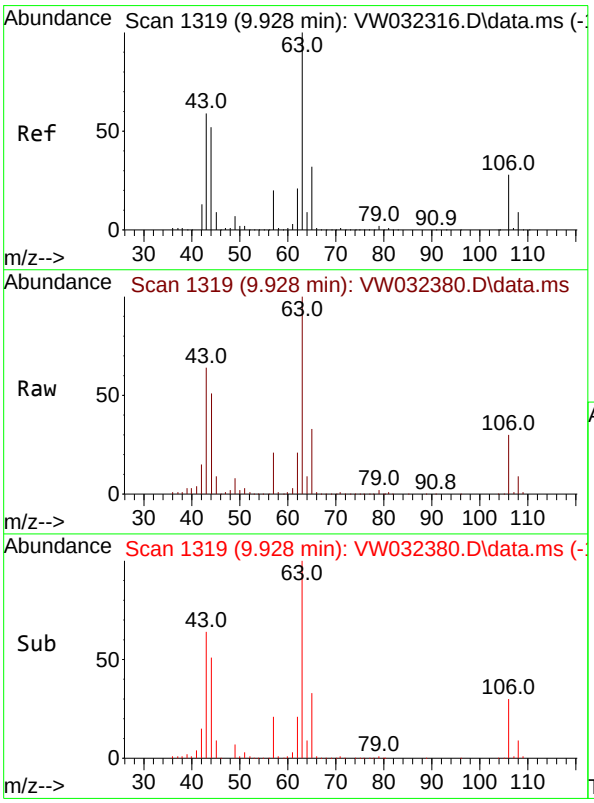
Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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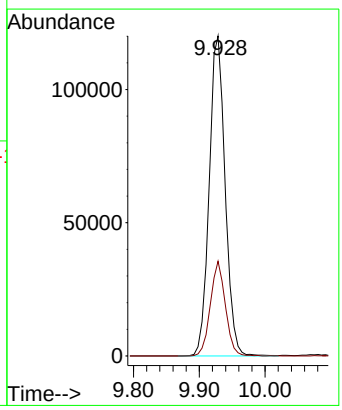
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

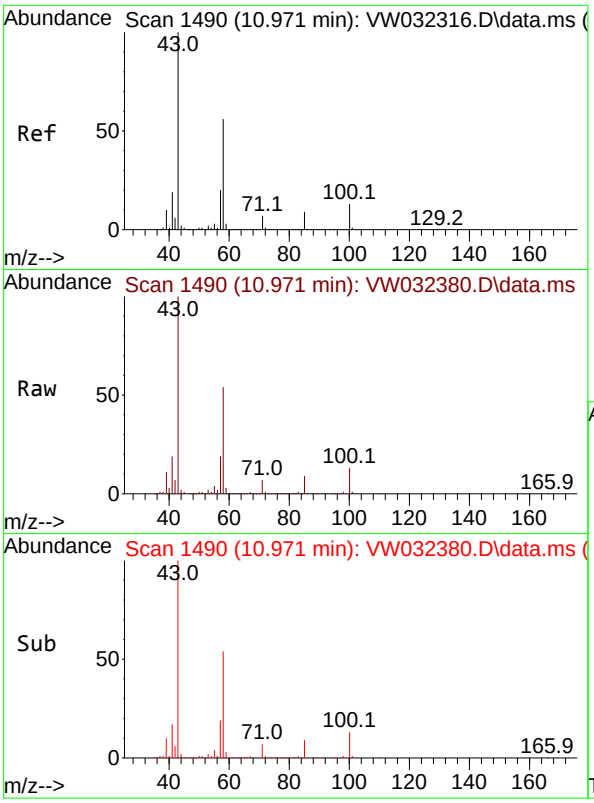


#58
2-Chloroethyl Vinyl ether
Concen: 89.381 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 63 Resp: 202349

Ion	Ratio	Lower	Upper
63	100		
106	27.9	24.3	36.5





#59
2-Hexanone
Concen: 92.843 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

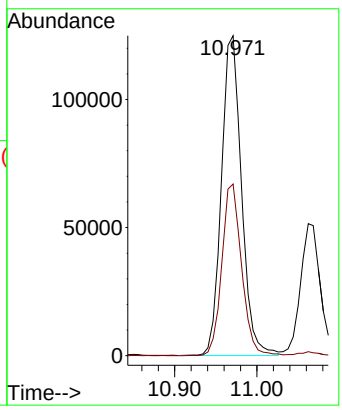
Tgt Ion: 43 Resp: 21167

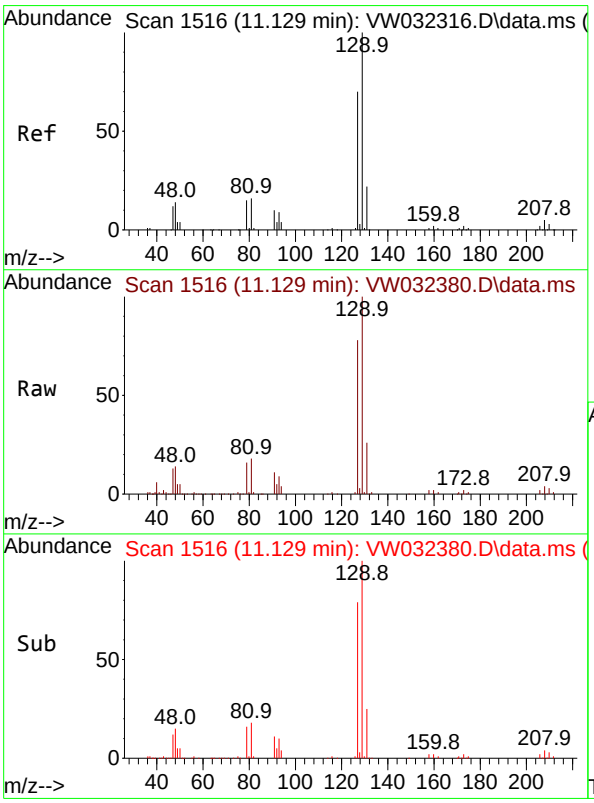
Ion	Ratio	Lower	Upper
43	100		
58	52.7	27.5	82.4

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

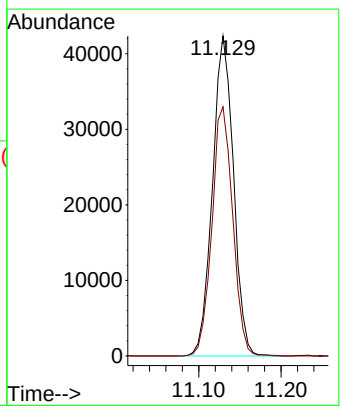


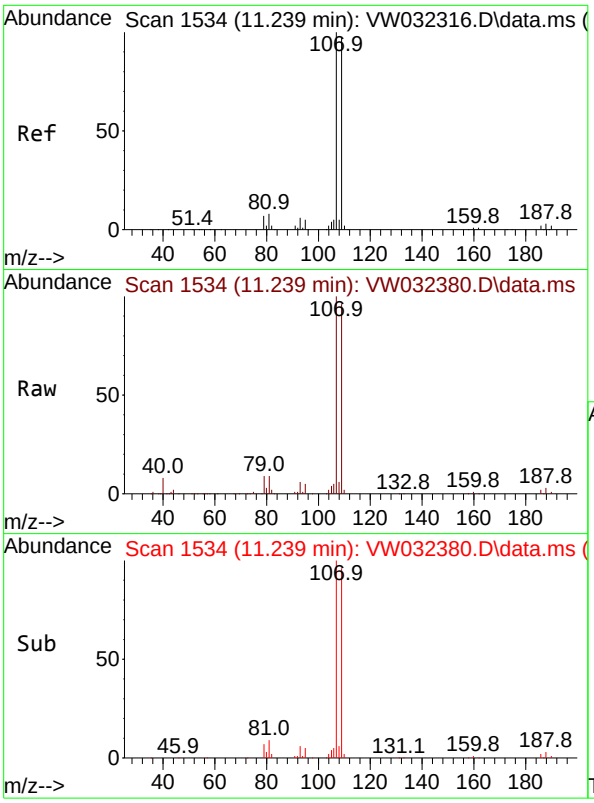


#60
Dibromochloromethane
Concen: 21.706 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:129 Resp: 74905

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.1	114.5





#61
1,2-Dibromoethane
Concen: 20.263 ug/l
RT: 11.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

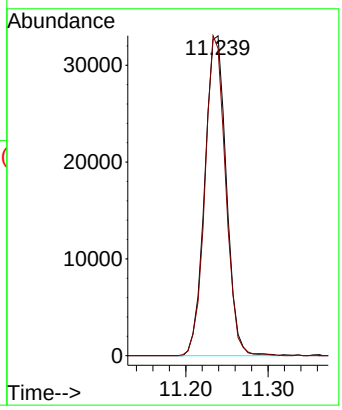
Tgt Ion:107 Resp: 6004

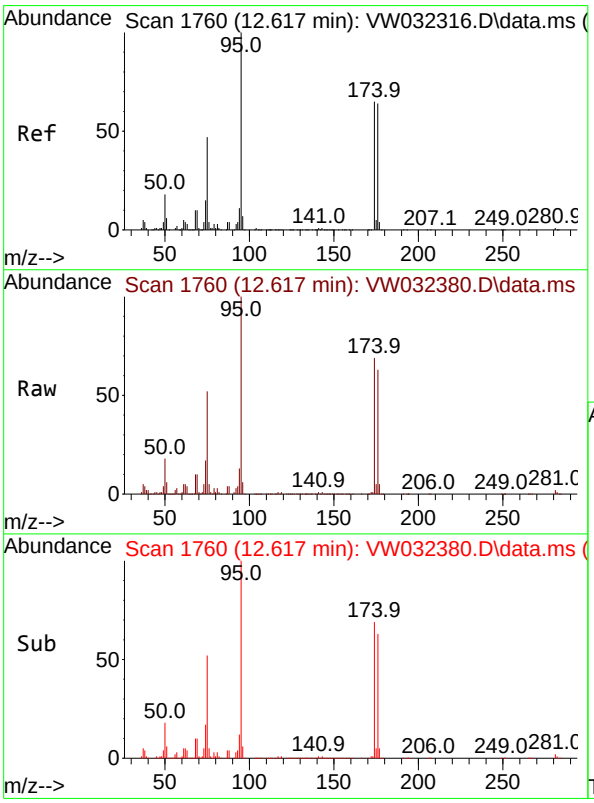
Ion	Ratio	Lower	Upper
107	100		
109	96.2	74.5	111.7

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

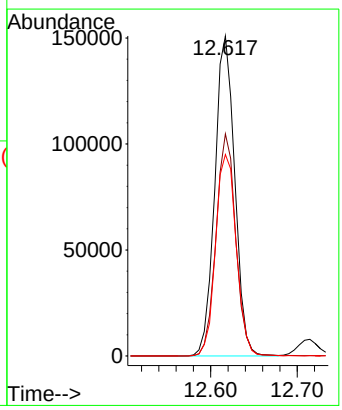


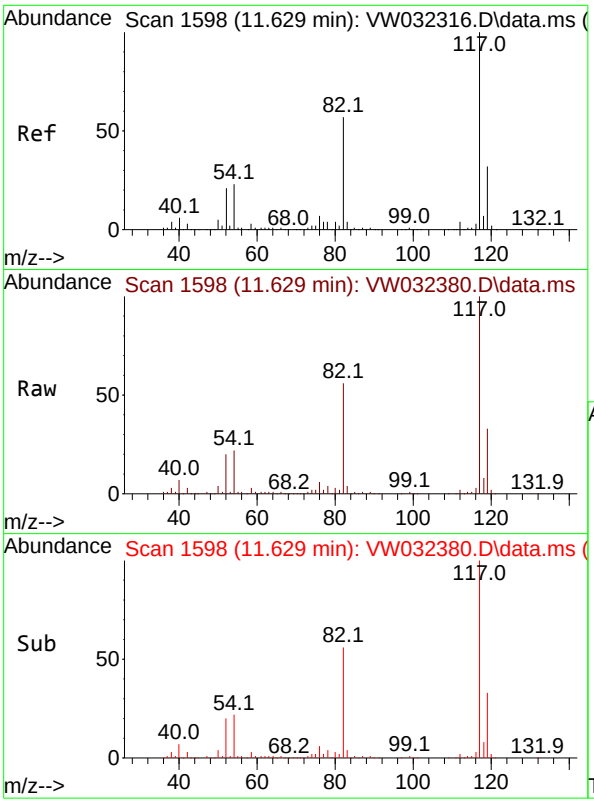


#62
4-Bromofluorobenzene
Concen: 51.667 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 95 Resp: 241390

Ion	Ratio	Lower	Upper
95	100		
174	68.3	0.0	145.6
176	65.4	0.0	140.8

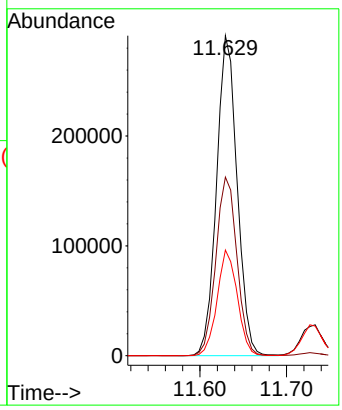




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:117 Resp: 48074

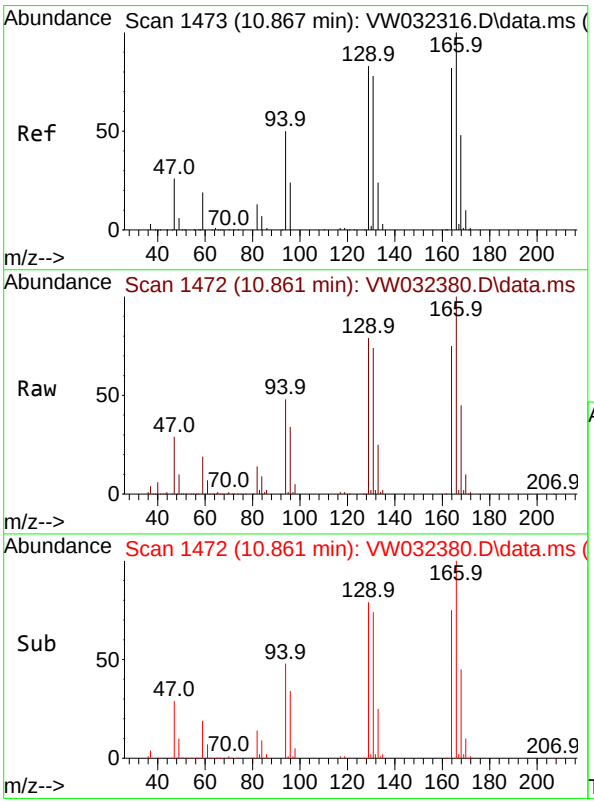
Ion	Ratio	Lower	Upper
117	100		
82	55.8	42.7	64.1
119	33.0	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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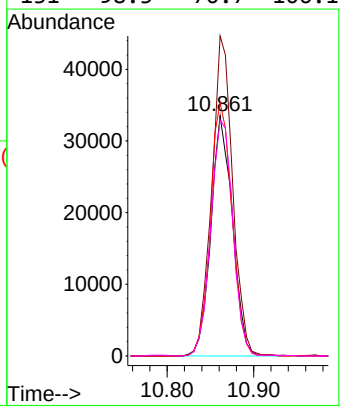
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

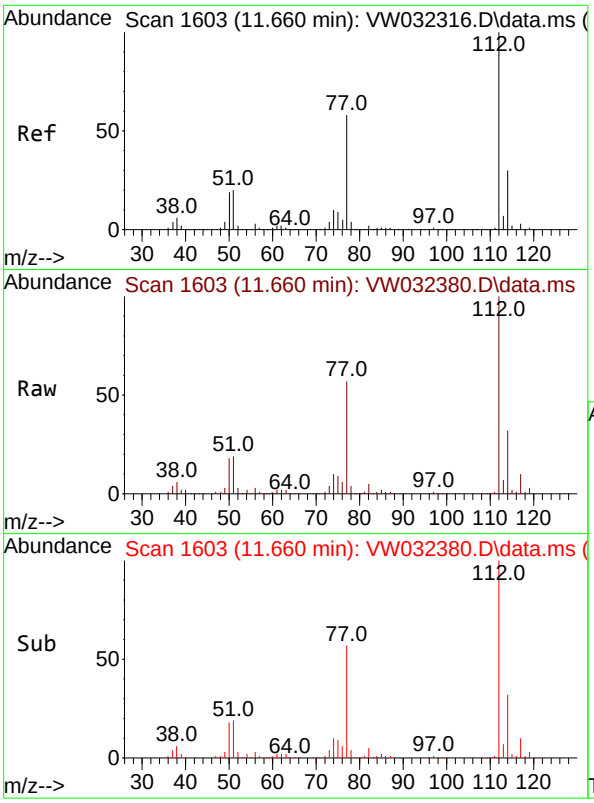


#64
Tetrachloroethene
Concen: 20.114 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:164 Resp: 57861

Ion	Ratio	Lower	Upper
164	100		
166	133.1	97.5	146.3
129	105.3	71.2	106.8
131	98.3	70.7	106.1





#65
Chlorobenzene
Concen: 20.202 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

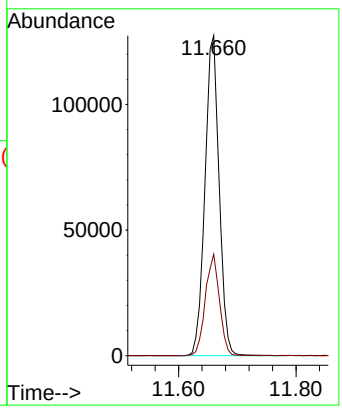
Tgt Ion:112 Resp: 21368

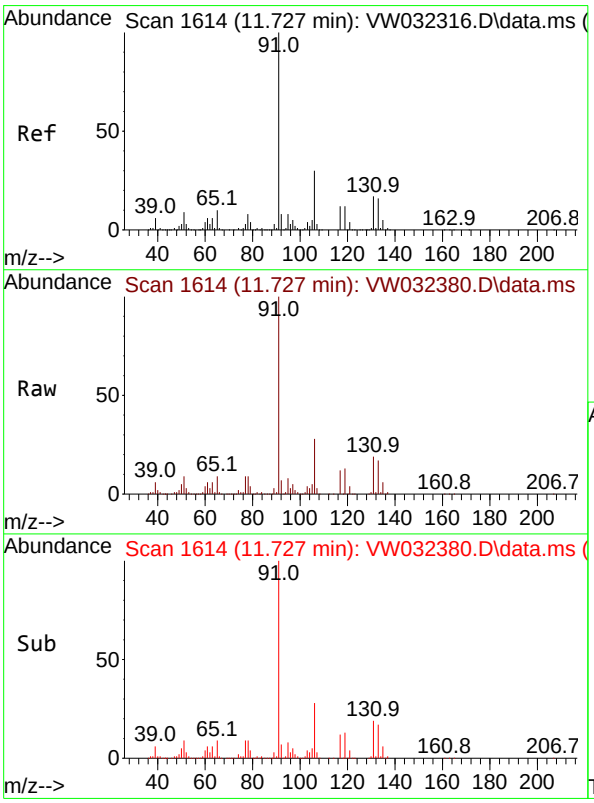
Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.0	39.0

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

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Supervised By :Semsettin Yesilyurt 10/21/2025

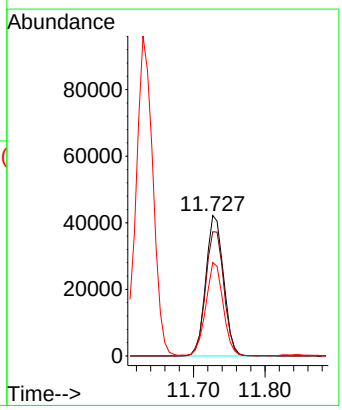


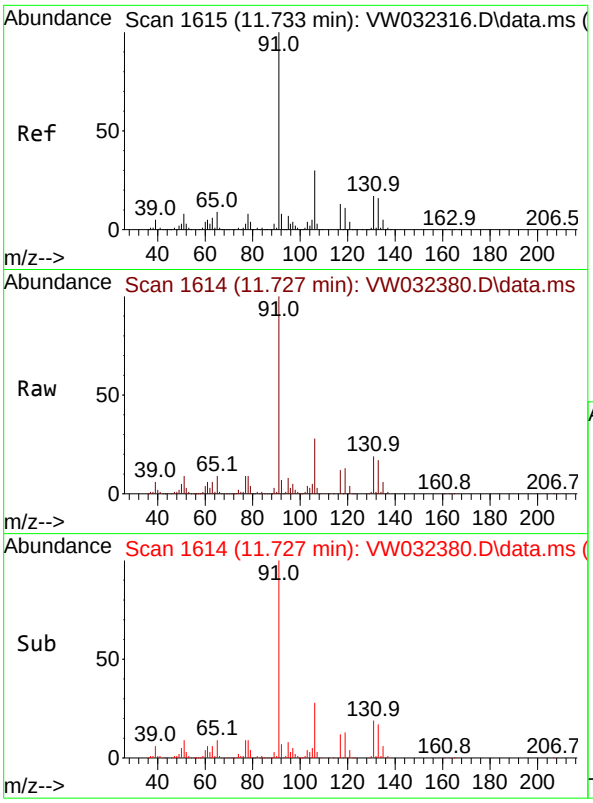


#66
1,1,1,2-Tetrachloroethane
Concen: 22.139 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:131 Resp: 72938

Ion	Ratio	Lower	Upper
131	100		
133	91.5	47.7	143.1
119	65.1	32.8	98.3





#67
Ethyl Benzene
Concen: 20.492 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

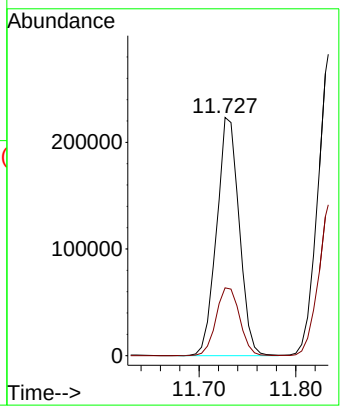
Tgt Ion: 91 Resp: 36130

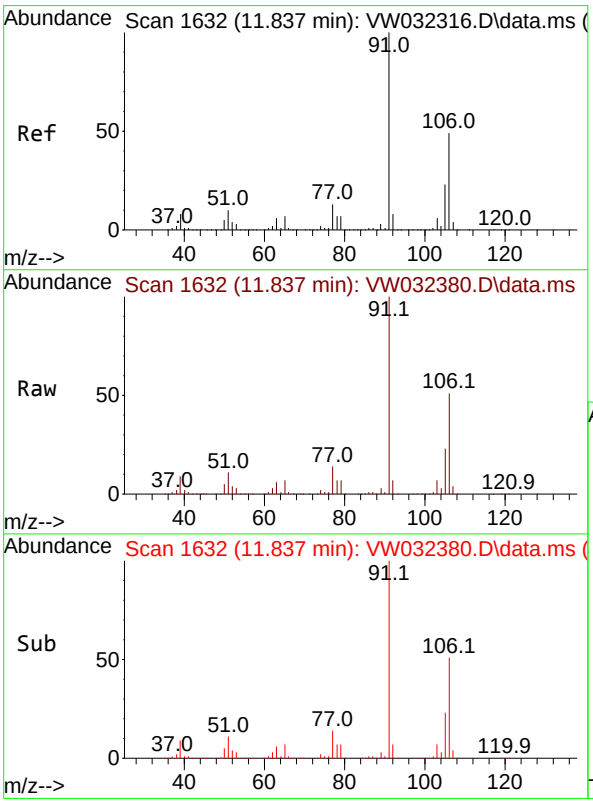
Ion	Ratio	Lower	Upper
91	100		
106	28.4	25.3	37.9

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

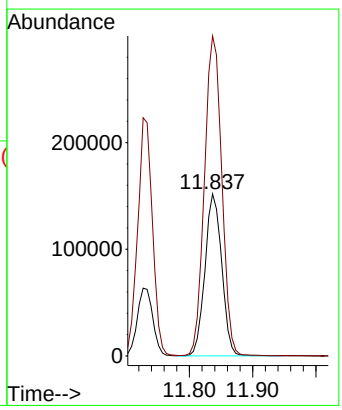


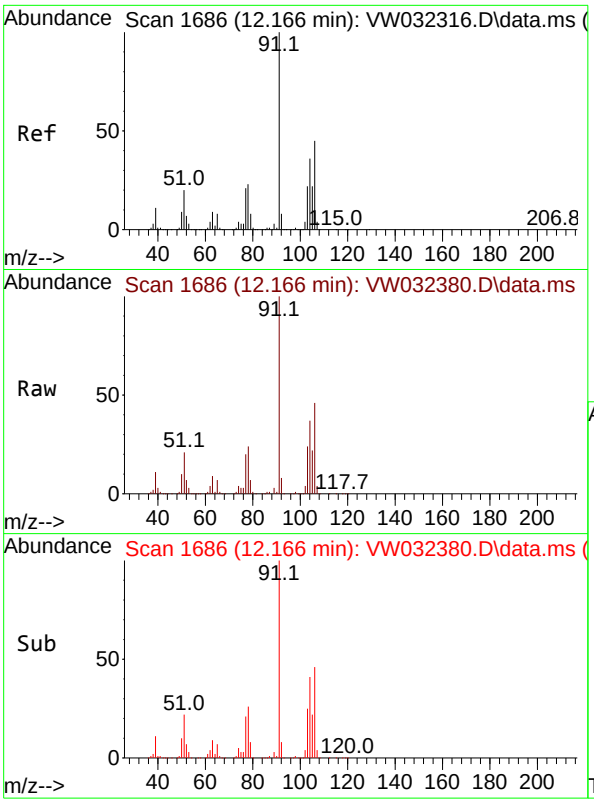


#68
m/p-Xylenes
Concen: 41.170 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:106 Resp: 279914

Ion	Ratio	Lower	Upper
106	100		
91	204.5	164.2	246.2





#69
o-Xylene
Concen: 19.771 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

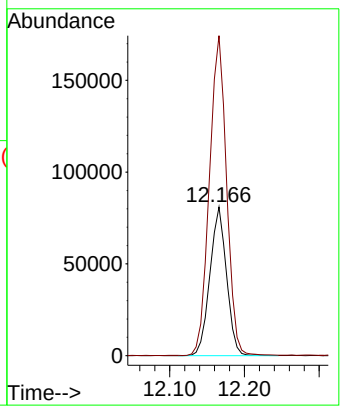
Tgt Ion:106 Resp: 12570

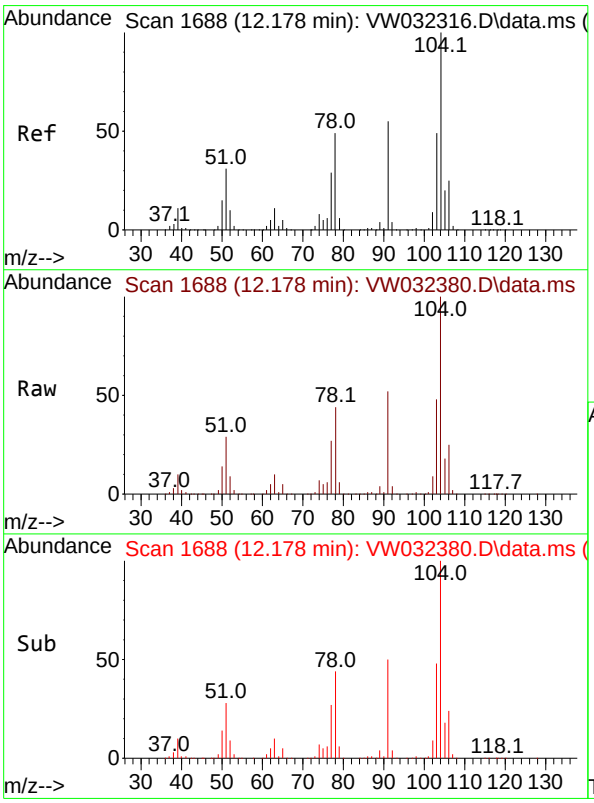
Ion	Ratio	Lower	Upper
106	100		
91	221.9	108.7	326.3

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

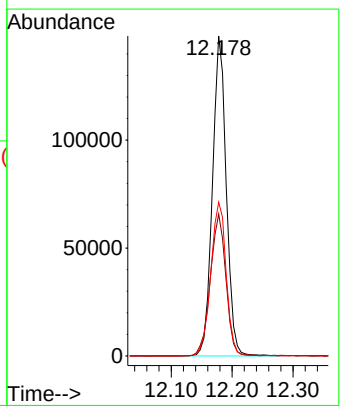


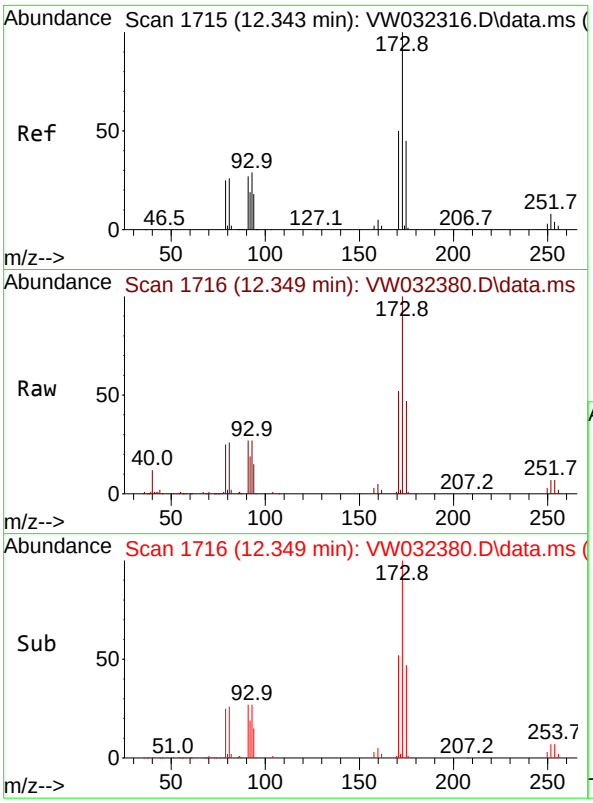


#70
Styrene
Concen: 21.071 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:104 Resp: 233906

Ion	Ratio	Lower	Upper
104	100		
78	49.7	41.6	62.4
103	53.5	44.8	67.2

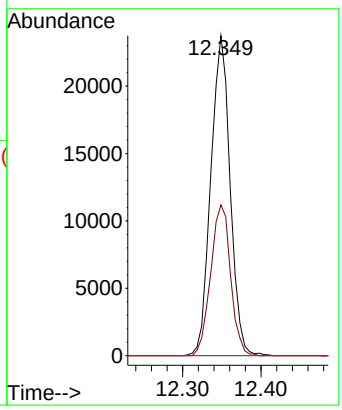




#71
Bromoform
Concen: 21.516 ug/l
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:173 Resp: 4063

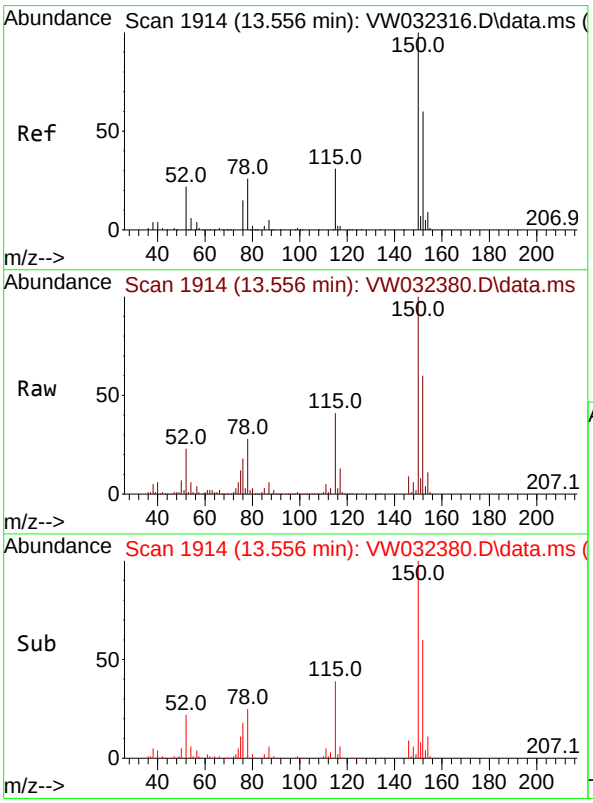
Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.7
254	0.0	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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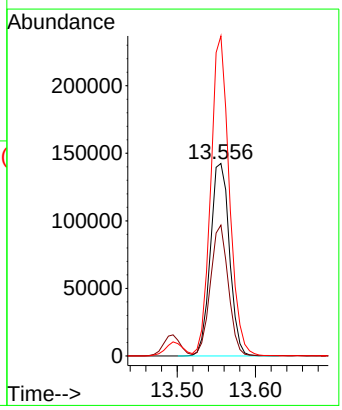
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

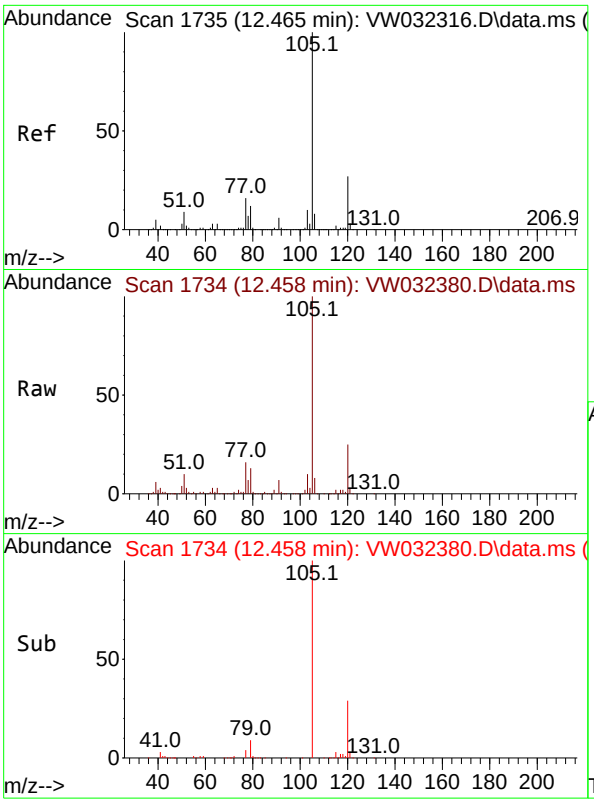


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:152 Resp: 240746

Ion	Ratio	Lower	Upper
152	100		
115	63.8	31.8	95.4
150	161.5	0.0	343.0

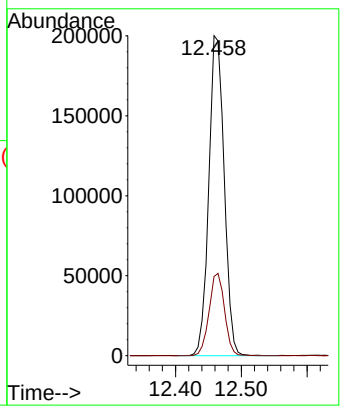




#73
Isopropylbenzene
Concen: 19.799 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:105 Resp: 32610

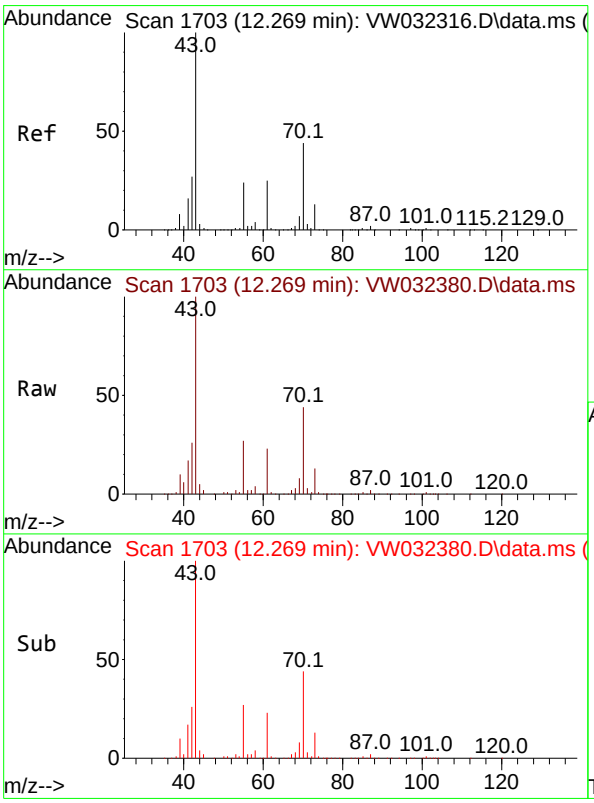
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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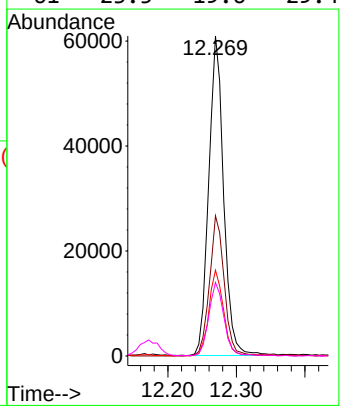
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

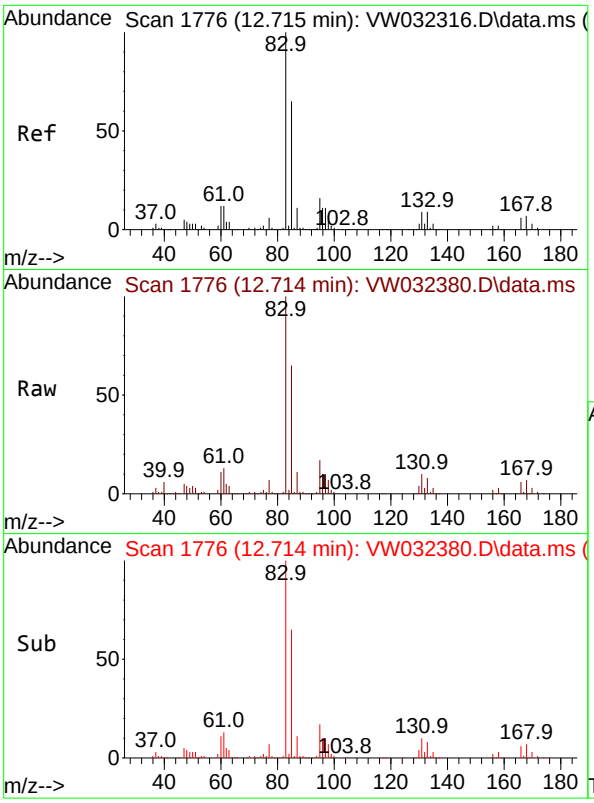


#74
N-amyl acetate
Concen: 17.605 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 43 Resp: 92502

Ion	Ratio	Lower	Upper
43	100		
70	43.3	35.3	52.9
55	26.7	19.9	29.9
61	23.5	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 18.908 ug/l
RT: 12.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

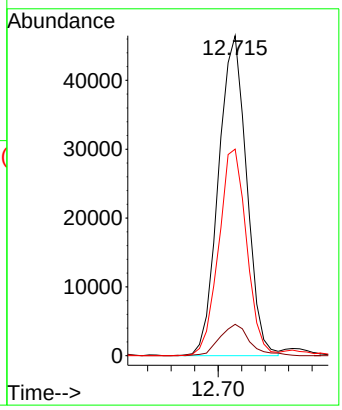
Tgt Ion: 83 Resp: 7732

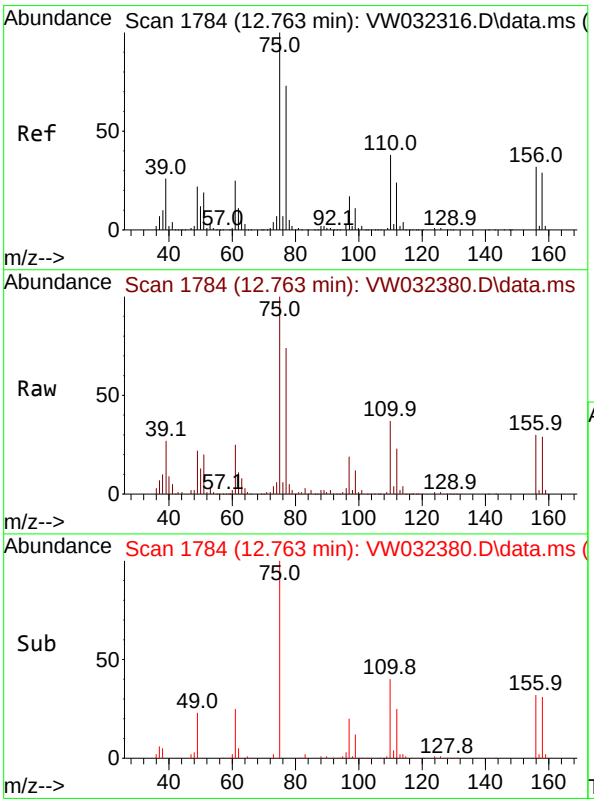
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	64.1	32.2	96.6

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
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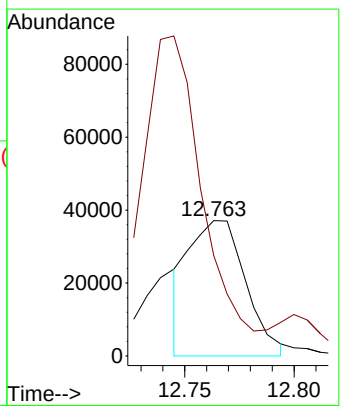


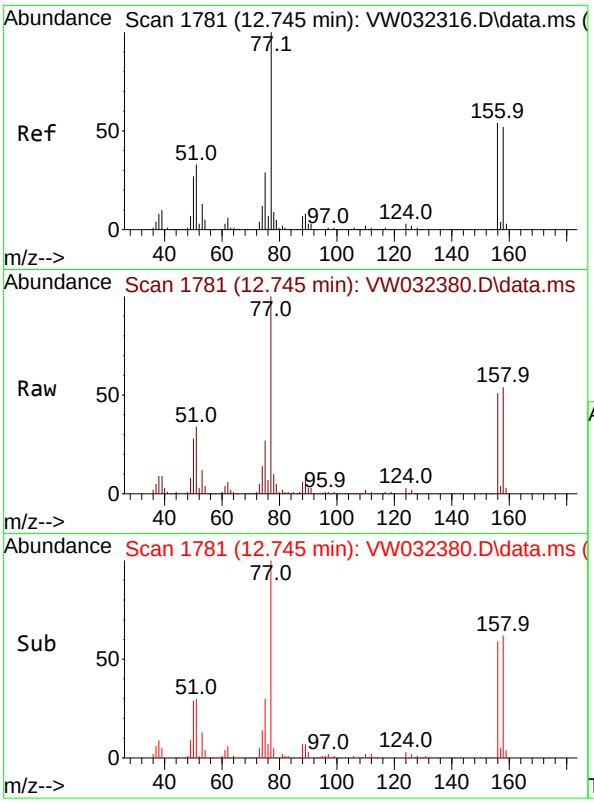


#76
1,2,3-Trichloropropane
Concen: 21.249 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 75 Resp: 67320

Ion	Ratio	Lower	Upper
75	100		
77	252.4	141.7	425.1

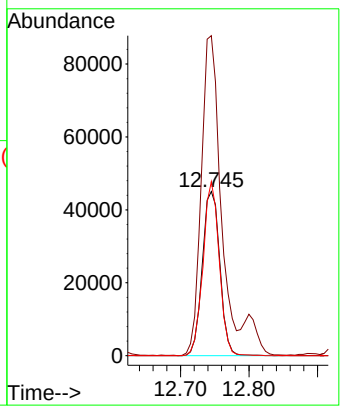




#77
Bromobenzene
Concen: 20.216 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:156 Resp: 8026

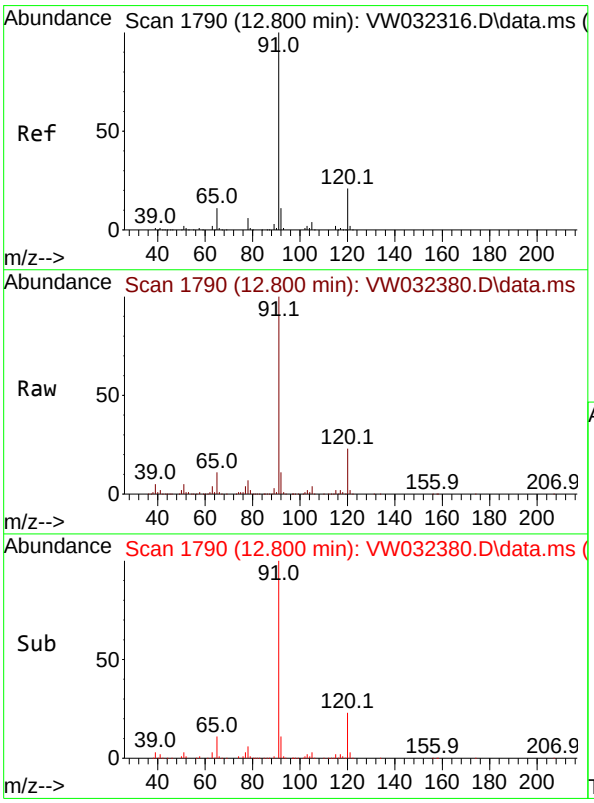
Ion	Ratio	Lower	Upper
156	100		
77	211.7	98.6	295.7
158	98.4	48.4	145.0



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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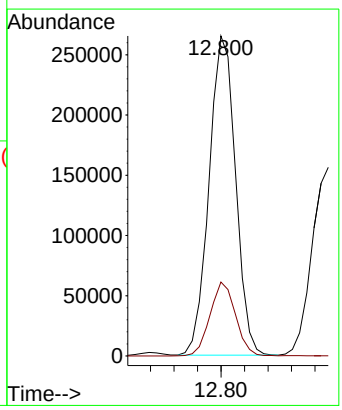
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

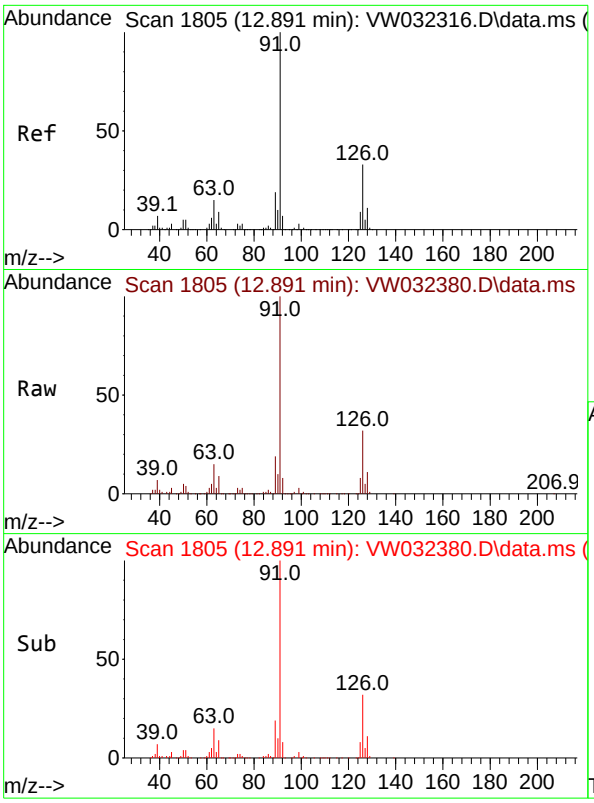


#78
n-propylbenzene
Concen: 20.190 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 91 Resp: 415401

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.8	35.4





#79
2-Chlorotoluene
Concen: 20.091 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

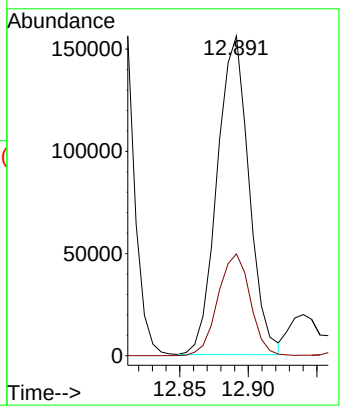
Tgt Ion: 91 Resp: 25273

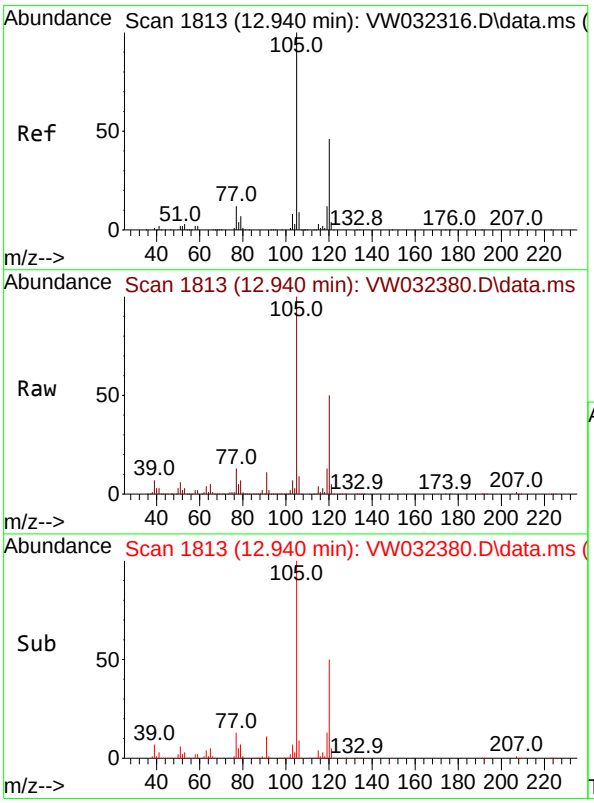
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.6	49.7

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

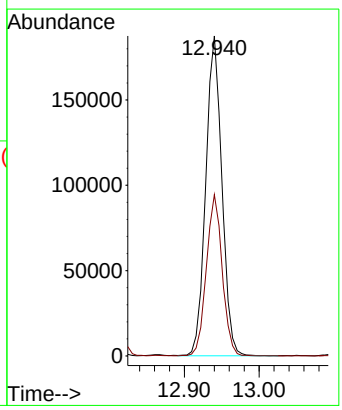


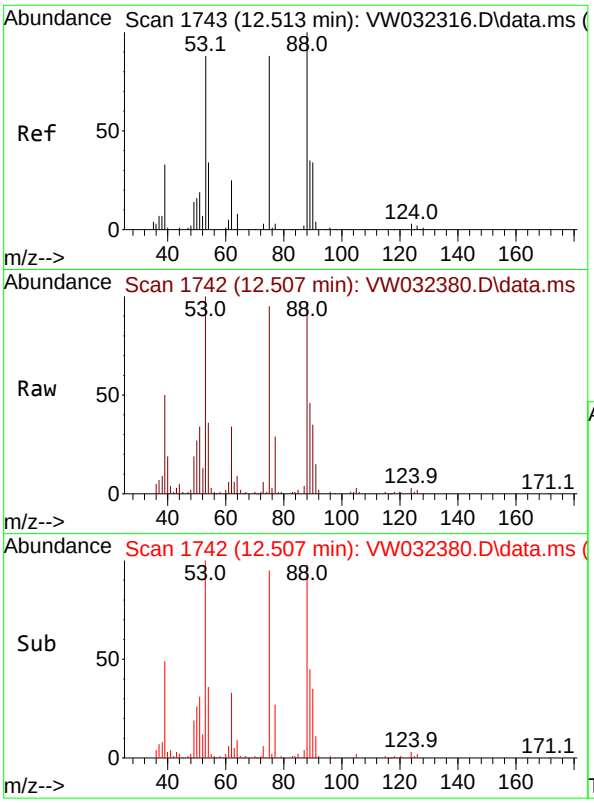


#80
1,3,5-Trimethylbenzene
Concen: 19.699 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:105 Resp: 280554

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 19.233 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

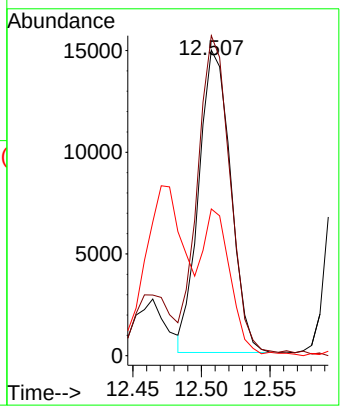
Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

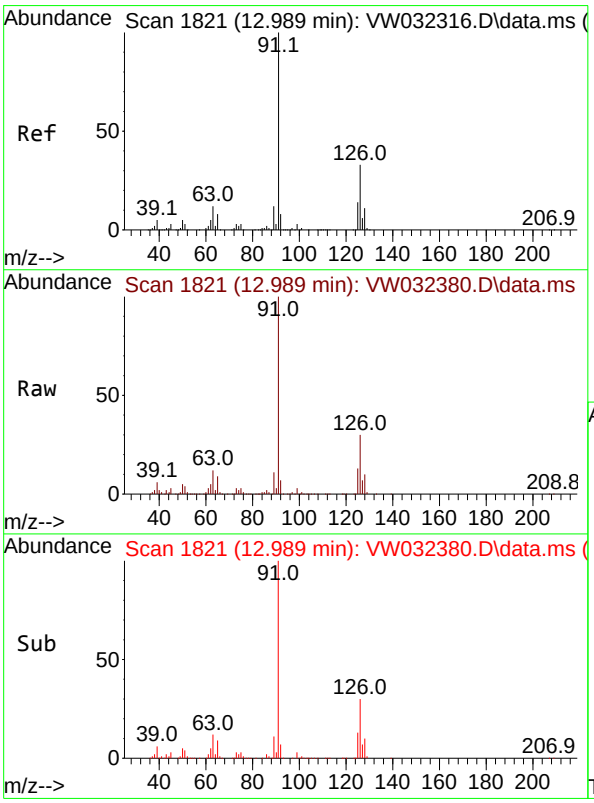
Tgt Ion: 75 Resp: 2405

Ion	Ratio	Lower	Upper
75	100		
53	106.3	91.0	136.6
89	42.6	39.4	59.2

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Supervised By :Semsettin Yesilyurt 10/21/2025

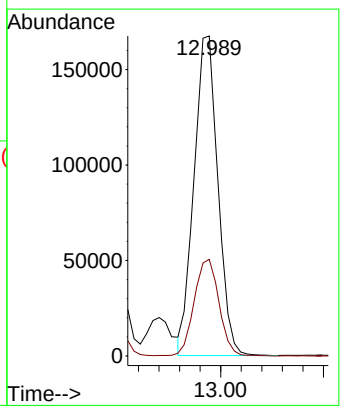


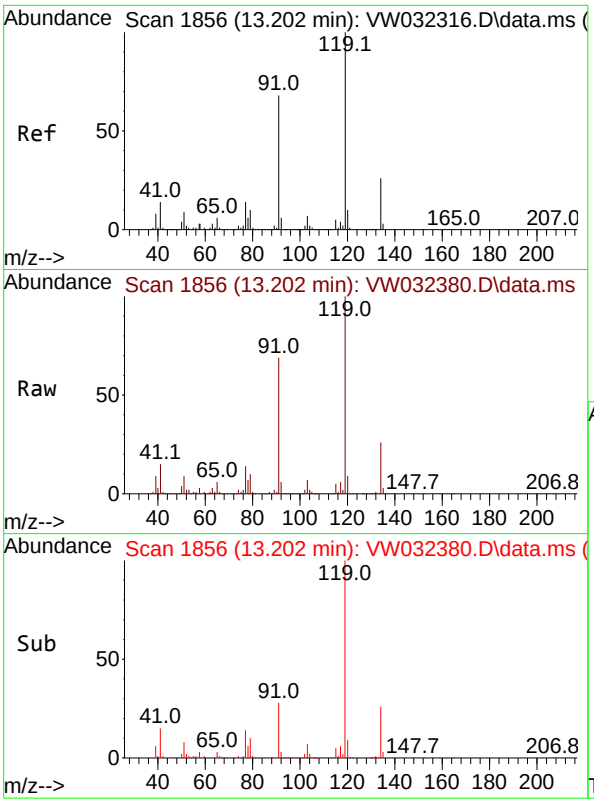


#82
4-Chlorotoluene
Concen: 20.239 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 91 Resp: 270686

Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.1	48.2

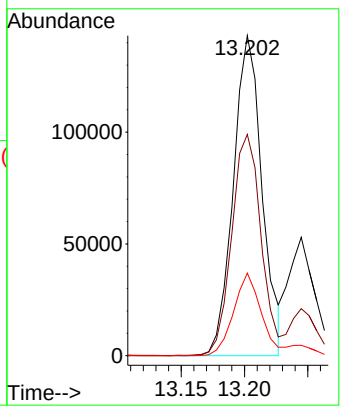




#83
tert-Butylbenzene
Concen: 19.400 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:119 Resp: 22670

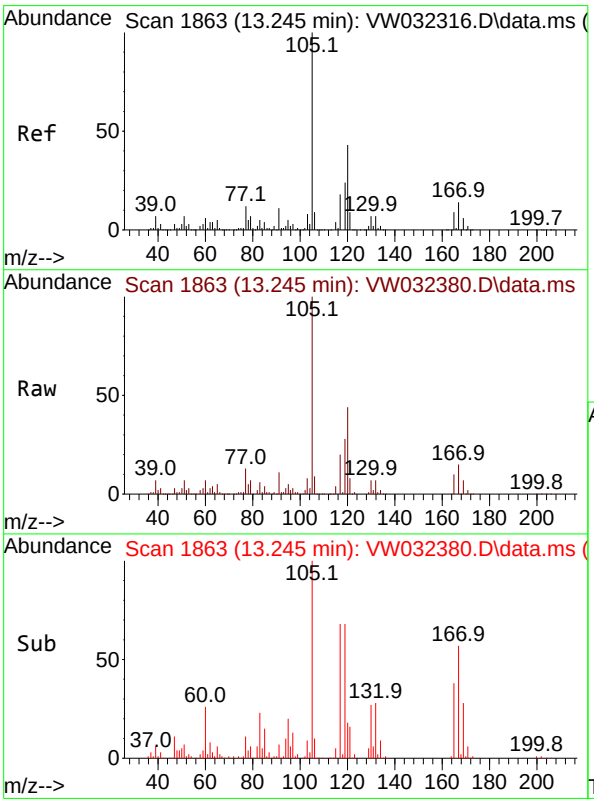
Ion	Ratio	Lower	Upper
119	100		
91	70.3	33.8	101.3
134	25.0	12.5	37.5



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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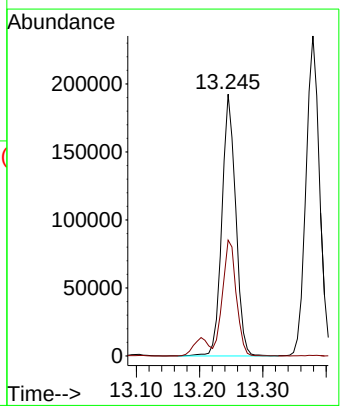
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

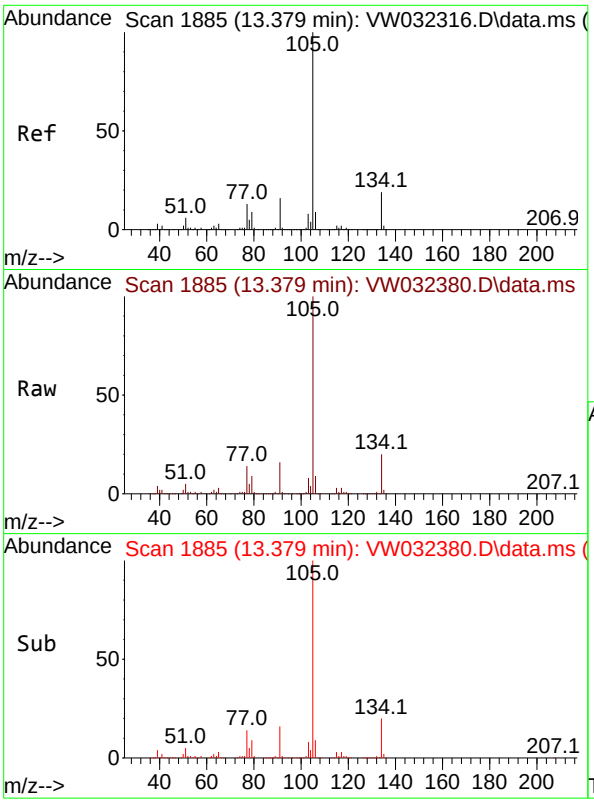


#84
1,2,4-Trimethylbenzene
Concen: 20.046 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:105 Resp: 290311

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.3





#85
sec-Butylbenzene
Concen: 19.609 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

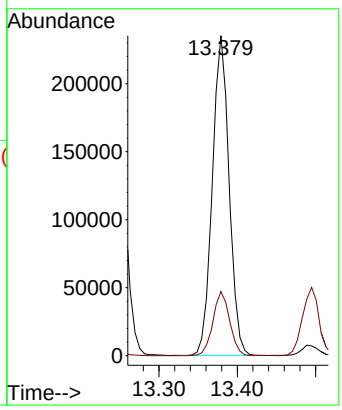
Tgt Ion:105 Resp: 35017

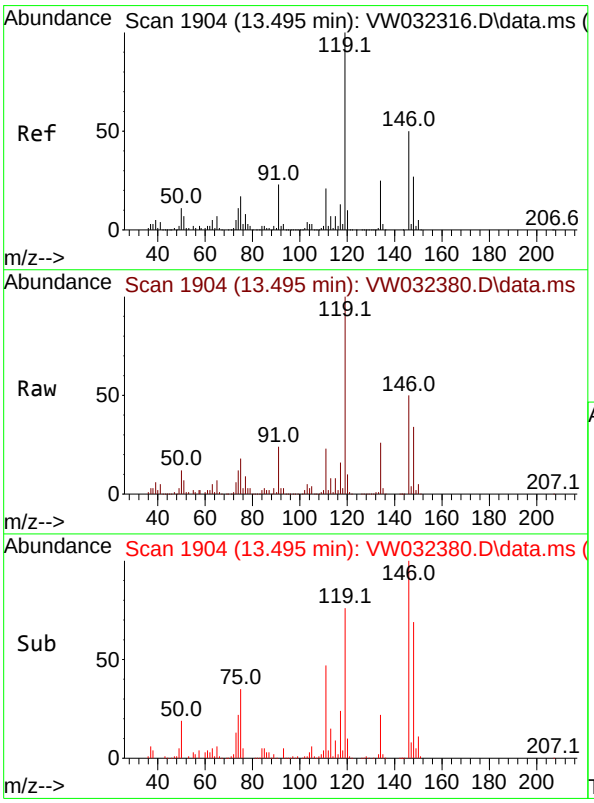
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

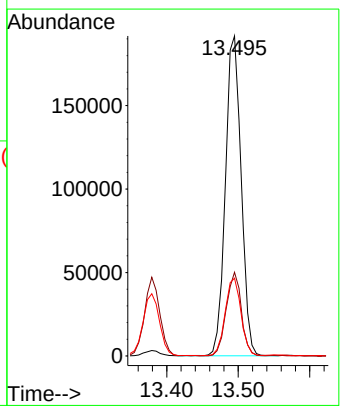


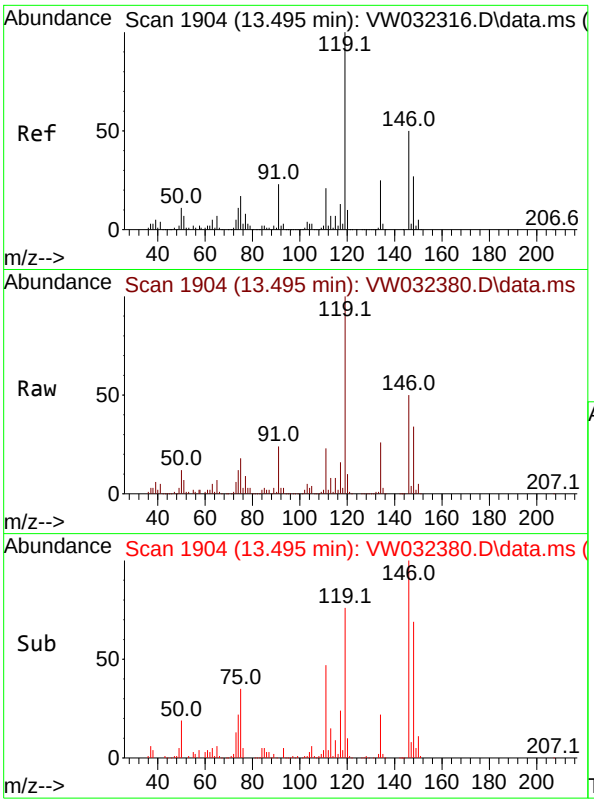


#86
p-Isopropyltoluene
Concen: 19.788 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:119 Resp: 293214

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.6
91	24.4	12.4	37.0

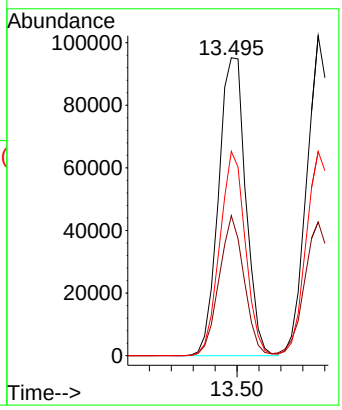




#87
1,3-Dichlorobenzene
Concen: 20.398 ug/l
RT: 13.495 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:146 Resp: 16399

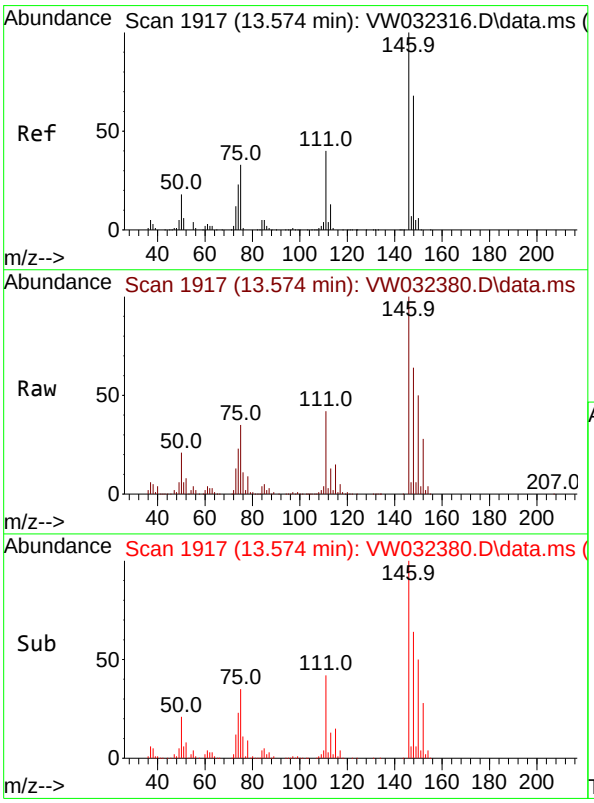
Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.6	61.9
148	64.5	30.6	92.0



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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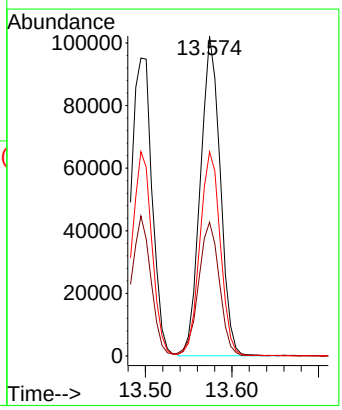
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

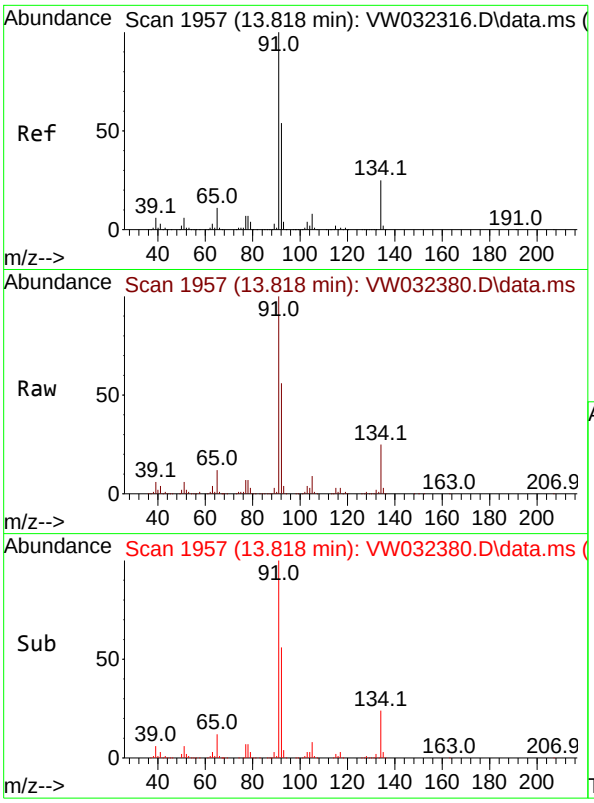


#88
1,4-Dichlorobenzene
Concen: 20.268 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:146 Resp: 162933

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.3	63.7
148	65.4	33.4	100.1

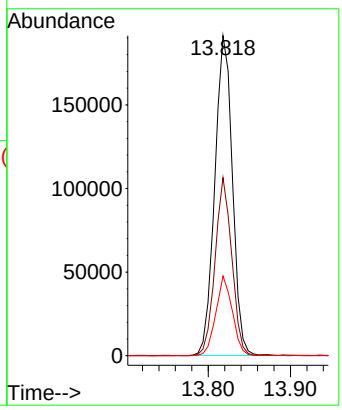




#89
n-Butylbenzene
Concen: 19.717 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 91 Resp: 28525

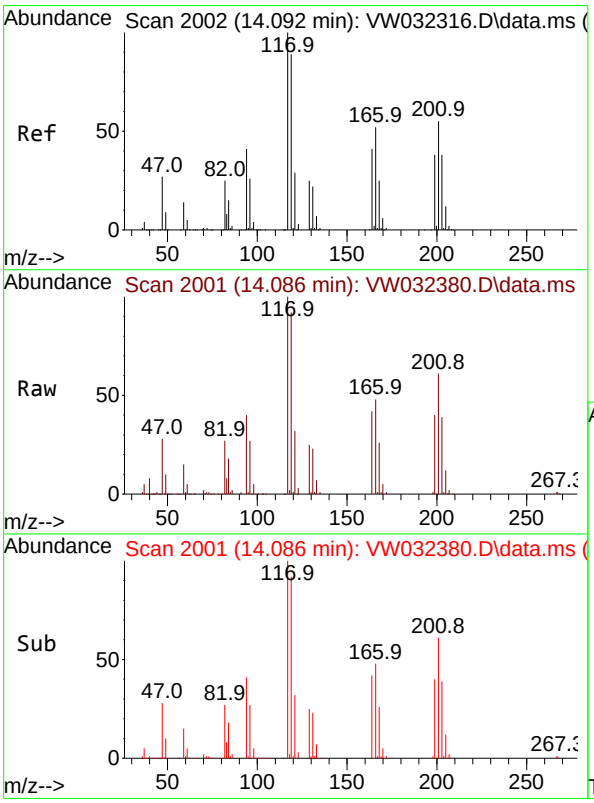
Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.0	81.0
134	23.4	13.1	39.3



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
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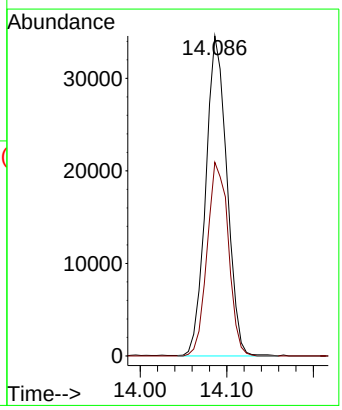
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

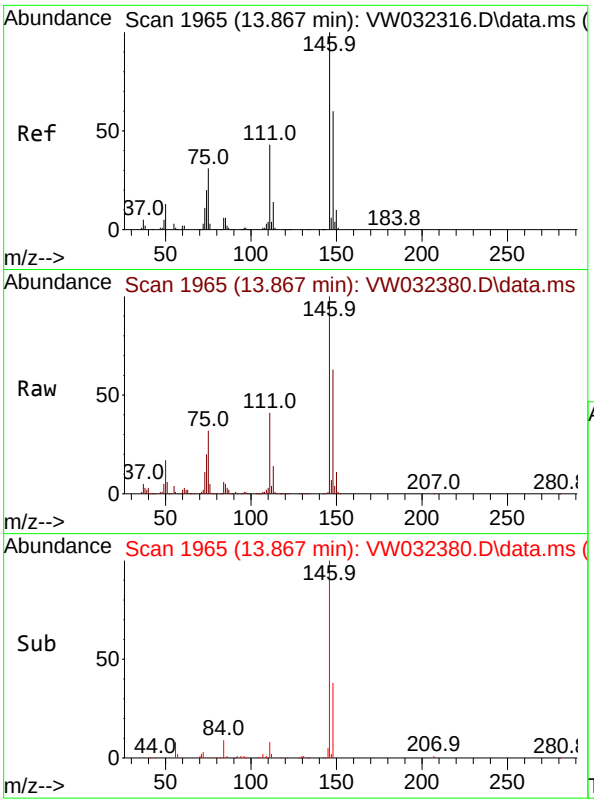


#90
Hexachloroethane
Concen: 22.085 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:117 Resp: 58655

Ion	Ratio	Lower	Upper
117	100		
201	60.6	32.8	98.4

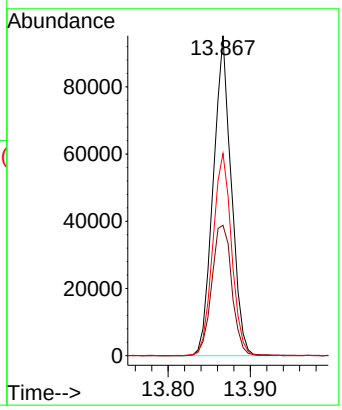




#91
1,2-Dichlorobenzene
Concen: 19.964 ug/l
RT: 13.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:146 Resp: 14508

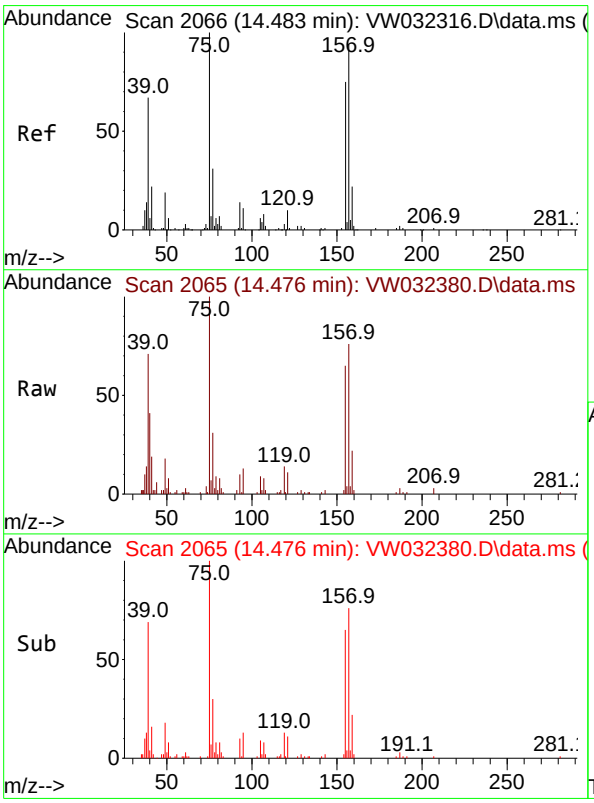
Ion	Ratio	Lower	Upper
146	100		
111	45.5	23.4	70.0
148	65.7	34.1	102.3



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
APPROVED

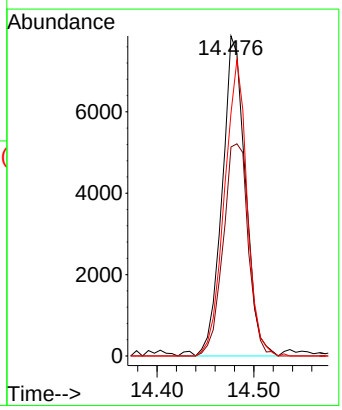
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

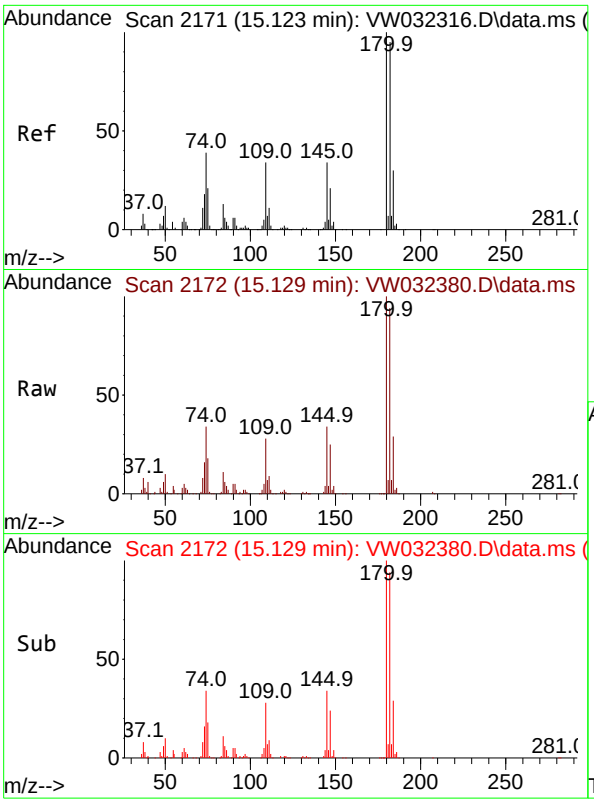


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.371 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion: 75 Resp: 13154

Ion	Ratio	Lower	Upper
75	100		
155	71.5	40.8	122.5
157	89.9	51.8	155.4

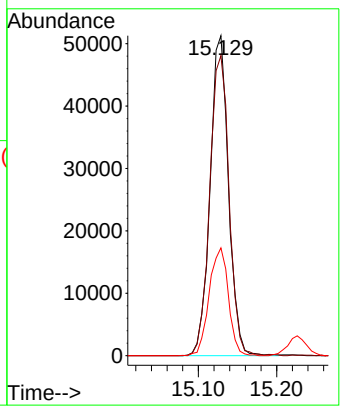




#93
1,2,4-Trichlorobenzene
Concen: 19.198 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:180 Resp: 8366

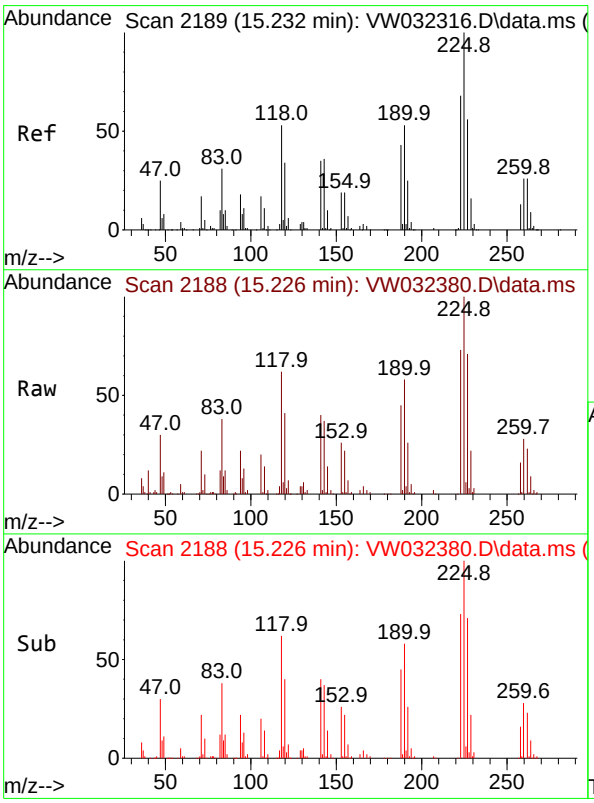
Ion	Ratio	Lower	Upper
180	100		
182	98.4	47.4	142.2
145	35.2	16.4	49.1



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
APPROVED

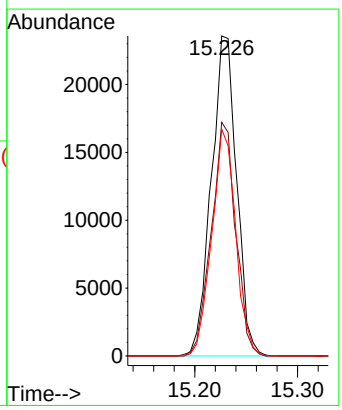
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

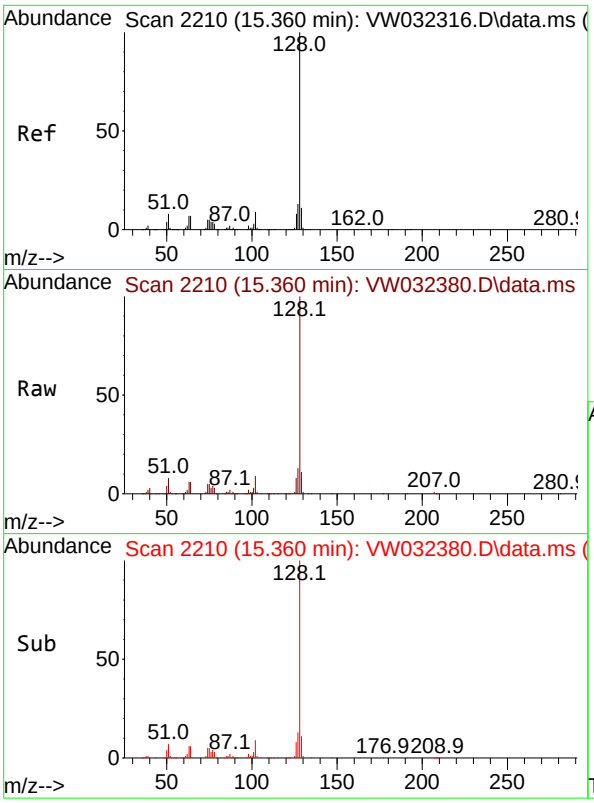


#94
Hexachlorobutadiene
Concen: 20.200 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:225 Resp: 40248

Ion	Ratio	Lower	Upper
225	100		
223	70.5	29.8	89.3
227	66.8	30.5	91.5

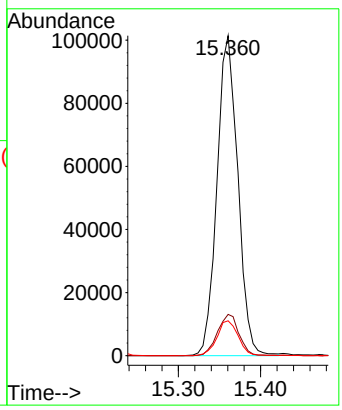




#95
Naphthalene
Concen: 17.083 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:128 Resp: 17878

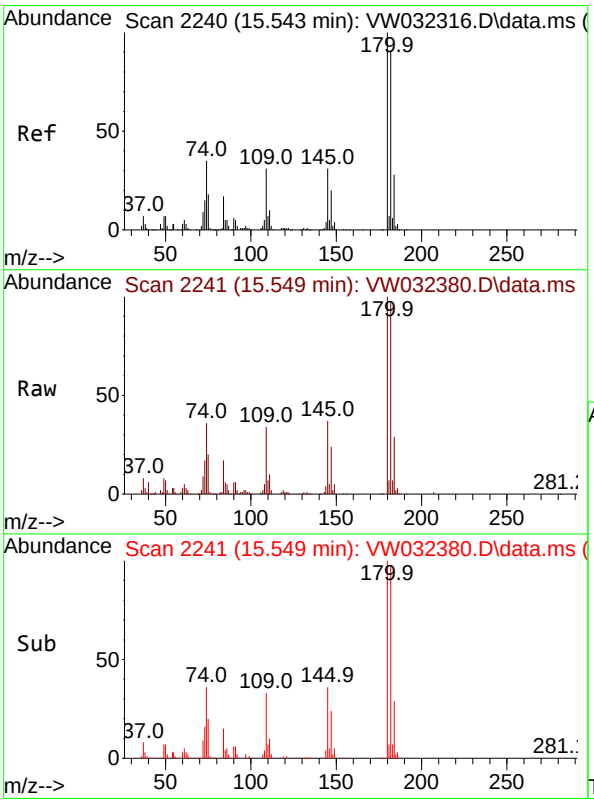
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.1	8.4	12.6



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBS01

Manual Integrations
APPROVED

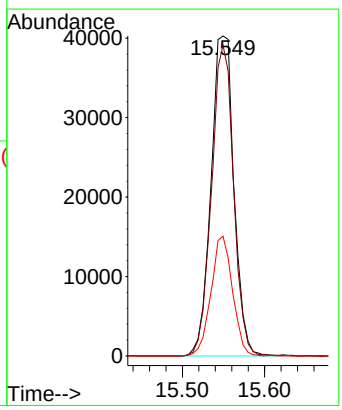
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.048 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW032380.D
Acq: 20 Oct 2025 11:41

Tgt Ion:180 Resp: 78242

Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.7	143.1
145	35.1	17.2	51.6



Raw Data: **VX048255.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1021WBS01	SDG No.:	Q3376
Lab Sample ID:	VX1021WBS01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	16.8		1	0.22	1.00	ug/L	10/21/25 10:06	VX102125
74-87-3	Chloromethane	17.8		1	0.32	1.00	ug/L	10/21/25 10:06	VX102125
75-01-4	Vinyl Chloride	17.6		1	0.26	1.00	ug/L	10/21/25 10:06	VX102125
74-83-9	Bromomethane	19.3		1	1.40	5.00	ug/L	10/21/25 10:06	VX102125
75-00-3	Chloroethane	18.9		1	0.47	1.00	ug/L	10/21/25 10:06	VX102125
75-69-4	Trichlorofluoromethane	17.7		1	0.33	1.00	ug/L	10/21/25 10:06	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	17.6		1	0.25	1.00	ug/L	10/21/25 10:06	VX102125
75-35-4	1,1-Dichloroethene	18.0		1	0.23	1.00	ug/L	10/21/25 10:06	VX102125
67-64-1	Acetone	82.3		1	1.50	5.00	ug/L	10/21/25 10:06	VX102125
75-15-0	Carbon Disulfide	16.6		1	0.21	1.00	ug/L	10/21/25 10:06	VX102125
1634-04-4	Methyl tert-butyl Ether	17.6		1	0.16	1.00	ug/L	10/21/25 10:06	VX102125
79-20-9	Methyl Acetate	17.5		1	0.27	1.00	ug/L	10/21/25 10:06	VX102125
75-09-2	Methylene Chloride	19.1		1	0.28	1.00	ug/L	10/21/25 10:06	VX102125
156-60-5	trans-1,2-Dichloroethene	17.9		1	0.23	1.00	ug/L	10/21/25 10:06	VX102125
75-34-3	1,1-Dichloroethane	18.4		1	0.23	1.00	ug/L	10/21/25 10:06	VX102125
110-82-7	Cyclohexane	19.2		1	1.50	5.00	ug/L	10/21/25 10:06	VX102125
78-93-3	2-Butanone	85.2		1	0.98	5.00	ug/L	10/21/25 10:06	VX102125
56-23-5	Carbon Tetrachloride	17.0		1	0.25	1.00	ug/L	10/21/25 10:06	VX102125
156-59-2	cis-1,2-Dichloroethene	18.9		1	0.19	1.00	ug/L	10/21/25 10:06	VX102125
74-97-5	Bromochloromethane	21.6		1	0.22	1.00	ug/L	10/21/25 10:06	VX102125
67-66-3	Chloroform	18.8		1	0.25	1.00	ug/L	10/21/25 10:06	VX102125
71-55-6	1,1,1-Trichloroethane	18.1		1	0.20	1.00	ug/L	10/21/25 10:06	VX102125
108-87-2	Methylcyclohexane	17.0		1	0.16	1.00	ug/L	10/21/25 10:06	VX102125
71-43-2	Benzene	18.5		1	0.15	1.00	ug/L	10/21/25 10:06	VX102125
107-06-2	1,2-Dichloroethane	19.1		1	0.22	1.00	ug/L	10/21/25 10:06	VX102125
79-01-6	Trichloroethene	18.1		1	0.090	1.00	ug/L	10/21/25 10:06	VX102125
78-87-5	1,2-Dichloropropane	19.3		1	0.20	1.00	ug/L	10/21/25 10:06	VX102125
75-27-4	Bromodichloromethane	18.6		1	0.22	1.00	ug/L	10/21/25 10:06	VX102125
108-10-1	4-Methyl-2-Pentanone	86.9		1	0.68	5.00	ug/L	10/21/25 10:06	VX102125
108-88-3	Toluene	18.8		1	0.14	1.00	ug/L	10/21/25 10:06	VX102125
10061-02-6	t-1,3-Dichloropropene	18.4		1	0.17	1.00	ug/L	10/21/25 10:06	VX102125
10061-01-5	cis-1,3-Dichloropropene	18.8		1	0.16	1.00	ug/L	10/21/25 10:06	VX102125
79-00-5	1,1,2-Trichloroethane	19.1		1	0.21	1.00	ug/L	10/21/25 10:06	VX102125
591-78-6	2-Hexanone	85.9		1	0.89	5.00	ug/L	10/21/25 10:06	VX102125
124-48-1	Dibromochloromethane	18.1		1	0.18	1.00	ug/L	10/21/25 10:06	VX102125
106-93-4	1,2-Dibromoethane	18.6		1	0.15	1.00	ug/L	10/21/25 10:06	VX102125
127-18-4	Tetrachloroethene	16.9		1	0.23	1.00	ug/L	10/21/25 10:06	VX102125
108-90-7	Chlorobenzene	18.0		1	0.12	1.00	ug/L	10/21/25 10:06	VX102125
100-41-4	Ethyl Benzene	17.8		1	0.13	1.00	ug/L	10/21/25 10:06	VX102125
179601-23-1	m/p-Xylenes	36.8		1	0.24	2.00	ug/L	10/21/25 10:06	VX102125
95-47-6	o-Xylene	18.1		1	0.12	1.00	ug/L	10/21/25 10:06	VX102125
100-42-5	Styrene	18.8		1	0.15	1.00	ug/L	10/21/25 10:06	VX102125
75-25-2	Bromoform	17.0		1	0.19	1.00	ug/L	10/21/25 10:06	VX102125

Raw Data: **VX048255.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1021WBS01	SDG No.:	Q3376
Lab Sample ID:	VX1021WBS01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	17.1		1	0.12	1.00	ug/L	10/21/25 10:06	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	17.3		1	0.26	1.00	ug/L	10/21/25 10:06	VX102125
541-73-1	1,3-Dichlorobenzene	17.2		1	0.16	1.00	ug/L	10/21/25 10:06	VX102125
106-46-7	1,4-Dichlorobenzene	16.6		1	0.19	1.00	ug/L	10/21/25 10:06	VX102125
95-50-1	1,2-Dichlorobenzene	17.2		1	0.16	1.00	ug/L	10/21/25 10:06	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	14.2		1	0.53	1.00	ug/L	10/21/25 10:06	VX102125
120-82-1	1,2,4-Trichlorobenzene	15.2		1	0.20	1.00	ug/L	10/21/25 10:06	VX102125
87-61-6	1,2,3-Trichlorobenzene	15.5		1	0.20	1.00	ug/L	10/21/25 10:06	VX102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.2			74 - 125	98%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.3			75 - 124	99%	SPK: 50		
2037-26-5	Toluene-d8	47.8			86 - 113	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.7			77 - 121	99%	SPK: 50		

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	141000
540-36-3	1,4-Difluorobenzene	230000
3114-55-4	Chlorobenzene-d5	212000
3855-82-1	1,4-Dichlorobenzene-d4	111000

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_X\Data\VX102125\
Data File : VX048255.D
Acq On : 21 Oct 2025 10:06
Operator : JC/MD
Sample : VX1021WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 04:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	141199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	230109	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	212342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	97363	49.180	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.360%			
35) Dibromofluoromethane	5.367	113	77378	49.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.520%			
50) Toluene-d8	8.628	98	263067	47.776	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.560%			
62) 4-Bromofluorobenzene	11.061	95	104113	49.702	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	24401	16.810	ug/l	98
3) Chloromethane	1.300	50	24074	17.768	ug/l	98
4) Vinyl Chloride	1.380	62	22127	17.636	ug/l	98
5) Bromomethane	1.617	94	16447	19.316	ug/l	99
6) Chloroethane	1.697	64	13922	18.884	ug/l	91
7) Trichlorofluoromethane	1.898	101	42595	17.702	ug/l	99
8) Diethyl Ether	2.136	74	12470	18.418	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.337	101	26749	17.555	ug/l	96
10) Methyl Iodide	2.453	142	32960	17.207	ug/l	100
11) Tert butyl alcohol	2.940	59	13580	69.088	ug/l #	85
12) 1,1-Dichloroethene	2.325	96	26679	17.997	ug/l	89
13) Acrolein	2.233	56	19860	99.067	ug/l	99
14) Allyl chloride	2.666	41	43917	17.844	ug/l	97
15) Acrylonitrile	3.056	53	59914	84.532	ug/l	99
16) Acetone	2.373	43	55899	82.307	ug/l	97
17) Carbon Disulfide	2.514	76	77662	16.623	ug/l	97
18) Methyl Acetate	2.696	43	24826	17.503	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	89211	17.640	ug/l	95
20) Methylene Chloride	2.788	84	31545	19.062	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	29134	17.892	ug/l	97
22) Diisopropyl ether	3.745	45	95604	19.476	ug/l	91
23) Vinyl Acetate	3.708	43	367608	93.748	ug/l	97
24) 1,1-Dichloroethane	3.605	63	54562	18.382	ug/l	98
25) 2-Butanone	4.538	43	73253	85.214	ug/l	100
26) 2,2-Dichloropropane	4.464	77	47833	17.854	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	35928	18.906	ug/l	98
28) Bromochloromethane	4.879	49	26532	21.558	ug/l	88
29) Tetrahydrofuran	4.983	42	43984	85.433	ug/l	97
30) Chloroform	5.074	83	59628	18.803	ug/l	98
31) Cyclohexane	5.452	56	47112	19.171	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	52848	18.082	ug/l	98
36) 1,1-Dichloropropene	5.678	75	40242	18.023	ug/l	100
37) Ethyl Acetate	4.690	43	32251	17.426	ug/l	98
38) Carbon Tetrachloride	5.665	117	46896	17.024	ug/l	98
39) Methylcyclohexane	7.360	83	44764	16.976	ug/l	95
40) Benzene	6.019	78	120185	18.540	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048255.D
Acq On : 21 Oct 2025 10:06
Operator : JC/MD
Sample : VX1021WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 04:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.897	41	17591	18.099 ug/l	97
42) 1,2-Dichloroethane	6.062	62	45577	19.053 ug/l	99
43) Isopropyl Acetate	6.318	43	52903	17.402 ug/l	96
44) Trichloroethene	7.110	130	30995	18.107 ug/l	99
45) 1,2-Dichloropropane	7.415	63	29673	19.252 ug/l	95
46) Dibromomethane	7.567	93	22037	18.352 ug/l	94
47) Bromodichloromethane	7.799	83	48240	18.606 ug/l	99
48) Methyl methacrylate	7.677	41	26320	17.158 ug/l	94
49) 1,4-Dioxane	7.647	88	5926	292.405 ug/l #	88
51) 4-Methyl-2-Pentanone	8.555	43	152275	86.877 ug/l	96
52) Toluene	8.701	92	77240	18.755 ug/l	99
53) t-1,3-Dichloropropene	8.964	75	46020	18.419 ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	50705	18.810 ug/l	95
55) 1,1,2-Trichloroethane	9.134	97	29313	19.140 ug/l	98
56) Ethyl methacrylate	9.098	69	39990	17.852 ug/l	93
57) 1,3-Dichloropropane	9.293	76	50123	19.160 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	98096	82.586 ug/l	96
59) 2-Hexanone	9.415	43	104997	85.909 ug/l	96
60) Dibromochloromethane	9.500	129	37288	18.114 ug/l	99
61) 1,2-Dibromoethane	9.592	107	30294	18.554 ug/l	98
64) Tetrachloroethene	9.256	164	26804	16.909 ug/l	99
65) Chlorobenzene	10.061	112	85855	17.974 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	30819	17.566 ug/l	98
67) Ethyl Benzene	10.177	91	144956	17.824 ug/l	98
68) m/p-Xylenes	10.287	106	111086	36.763 ug/l	99
69) o-Xylene	10.622	106	52686	18.060 ug/l	97
70) Styrene	10.634	104	93575	18.838 ug/l	99
71) Bromoform	10.780	173	23770	16.952 ug/l #	99
73) Isopropylbenzene	10.945	105	138728	17.144 ug/l	100
74) N-amyl acetate	10.823	43	46339	16.144 ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	38121	17.251 ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	33965m	18.905 ug/l	
77) Bromobenzene	11.177	156	34669	17.087 ug/l	94
78) n-propylbenzene	11.286	91	161765	17.266 ug/l	98
79) 2-Chlorotoluene	11.347	91	98234	17.293 ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	114762	17.137 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	12207	16.530 ug/l	96
82) 4-Chlorotoluene	11.433	91	115993	17.202 ug/l	97
83) tert-Butylbenzene	11.695	119	117710	17.108 ug/l	95
84) 1,2,4-Trimethylbenzene	11.731	105	114927	17.197 ug/l	100
85) sec-Butylbenzene	11.872	105	138342	16.712 ug/l	99
86) p-Isopropyltoluene	11.987	119	119237	16.665 ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	65615	17.154 ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	65796	16.604 ug/l	98
89) n-Butylbenzene	12.317	91	103383	15.875 ug/l	99
90) Hexachloroethane	12.518	117	22360	15.825 ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	61839	17.219 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	6372	14.205 ug/l	96
93) 1,2,4-Trichlorobenzene	13.566	180	36955	15.216 ug/l	98
94) Hexachlorobutadiene	13.707	225	14253	15.707 ug/l	97
95) Naphthalene	13.755	128	98736	15.345 ug/l	100
96) 1,2,3-Trichlorobenzene	13.944	180	34440	15.454 ug/l	97

Sample Results: **VX048255.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048255.D
Acq On : 21 Oct 2025 10:06
Operator : JC/MD
Sample : VX1021WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 04:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

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

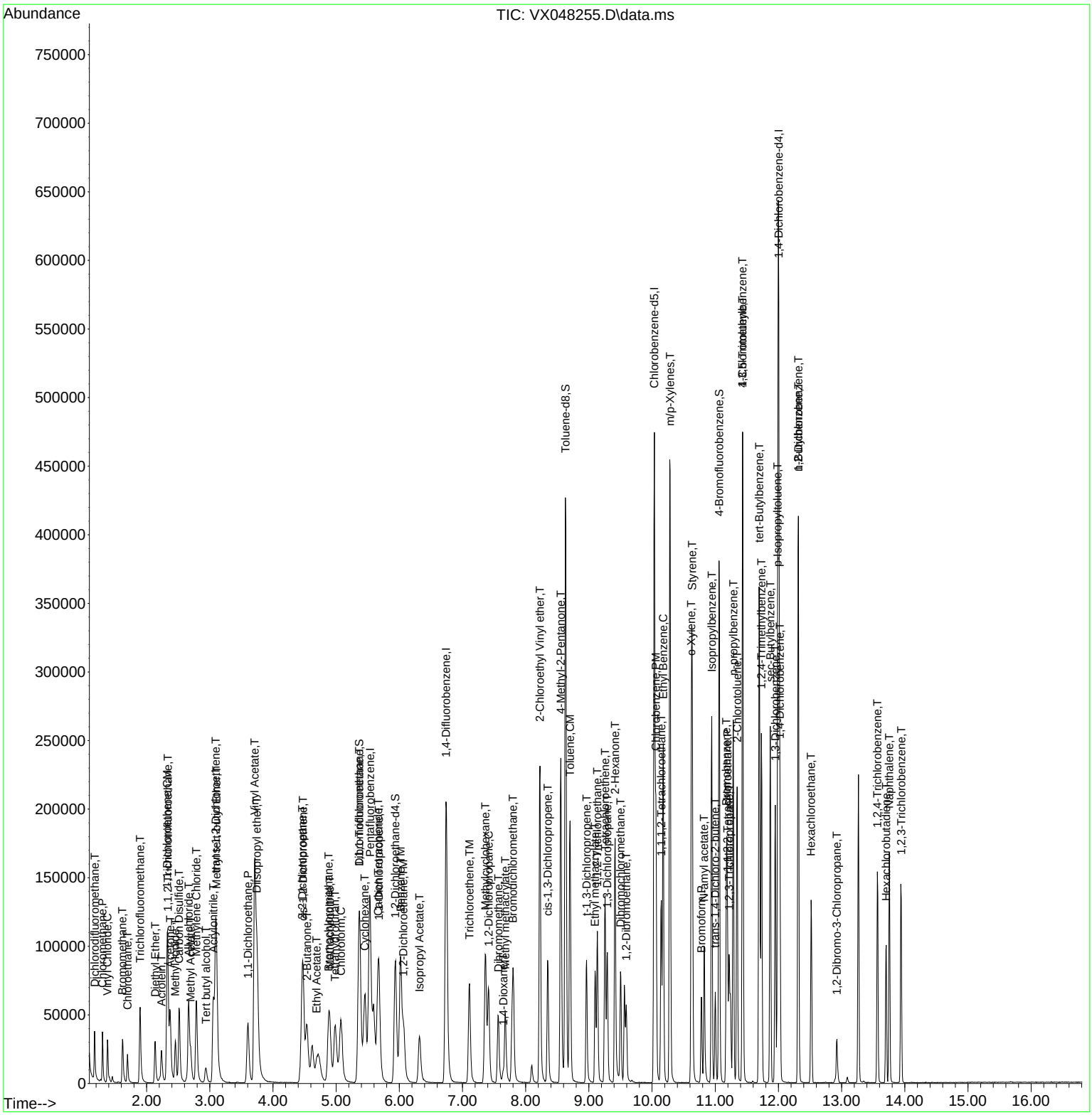
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Sample : VX1021WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

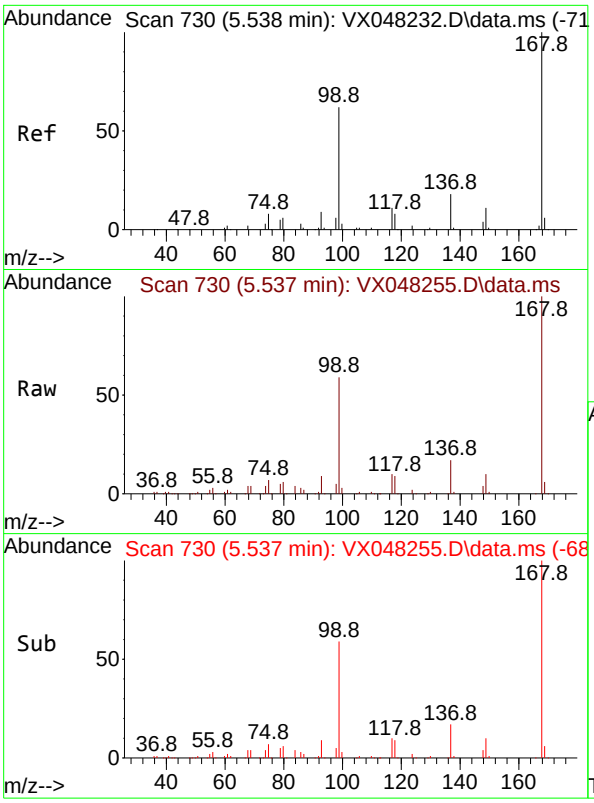
Quant Time: Oct 24 04:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

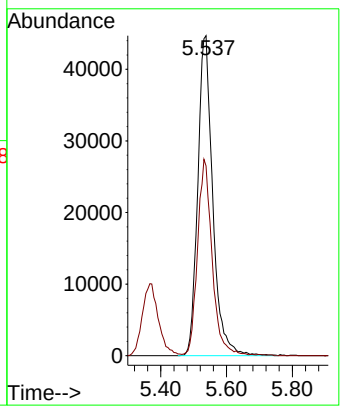




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:168 Resp: 14119

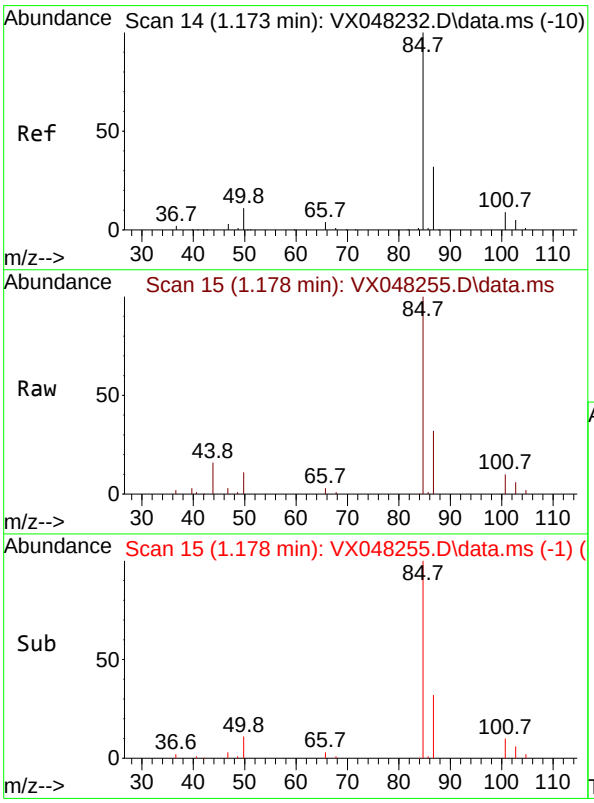
Ion	Ratio	Lower	Upper
168	100		
99	59.3	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

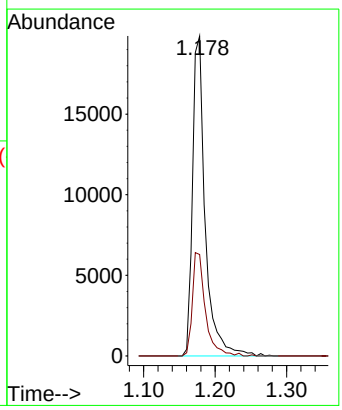
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

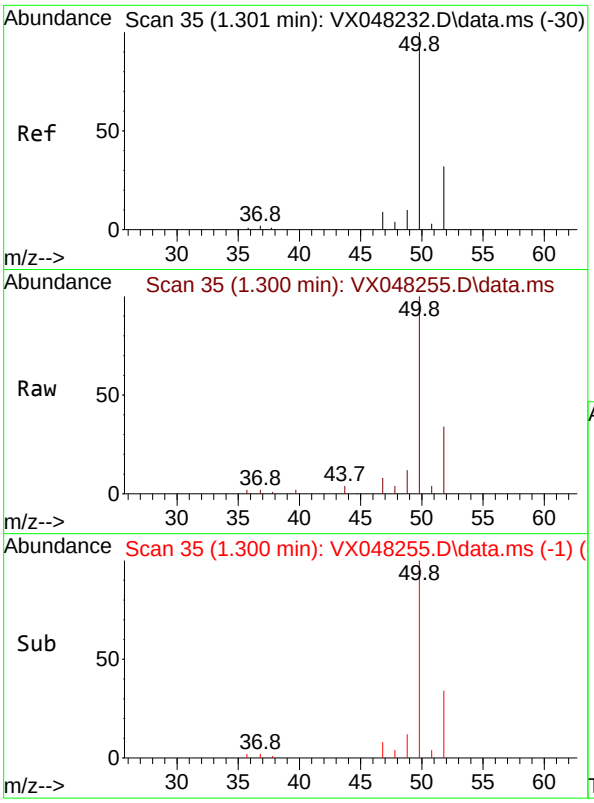


#2
Dichlorodifluoromethane
Concen: 16.810 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 85 Resp: 24401

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.3	45.9

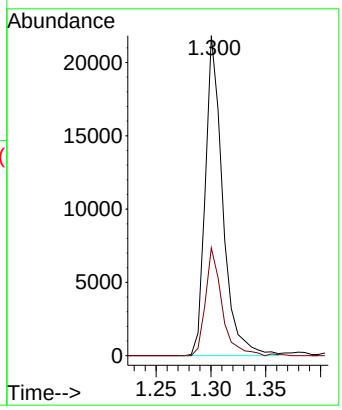




#3
Chloromethane
Concen: 17.768 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 50 Resp: 2407

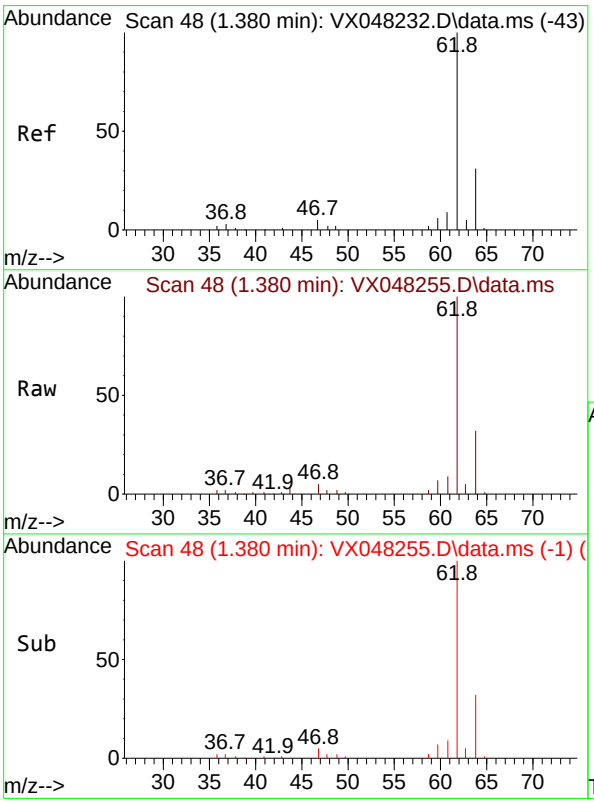
Ion	Ratio	Lower	Upper
50	100		
52	33.7	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

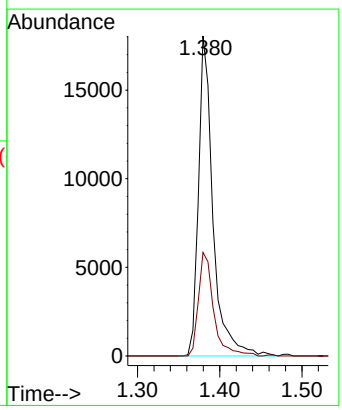
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

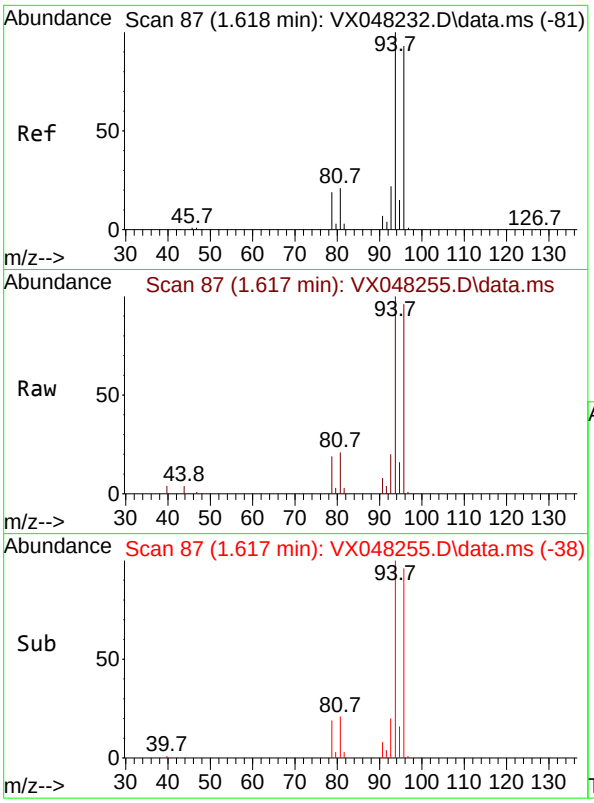


#4
Vinyl Chloride
Concen: 17.636 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 62 Resp: 22127

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.1	37.7

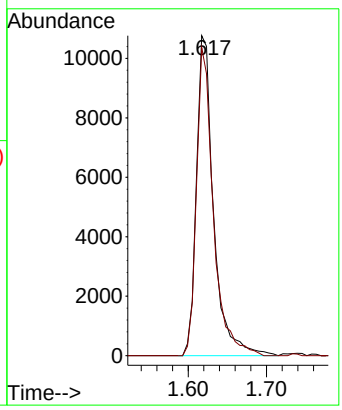




#5
Bromomethane
Concen: 19.316 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 94 Resp: 1644

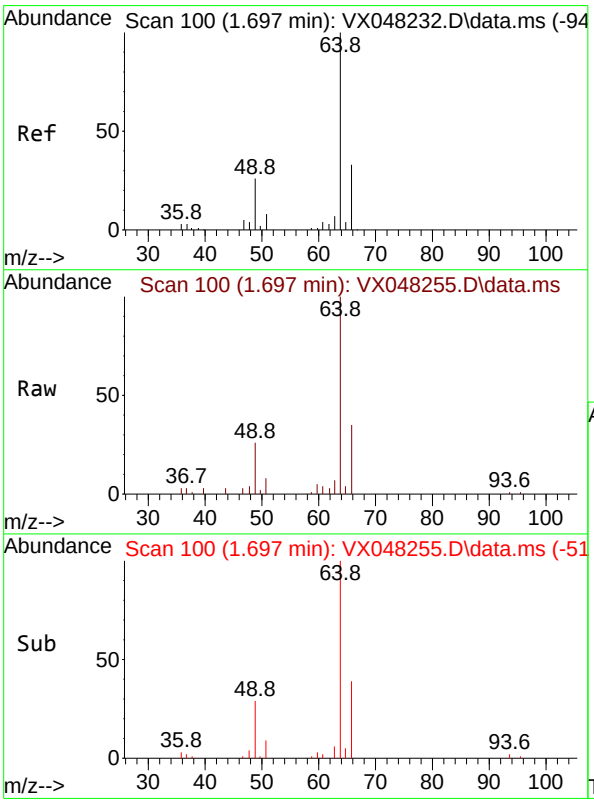
Ion	Ratio	Lower	Upper
94	100		
96	96.3	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

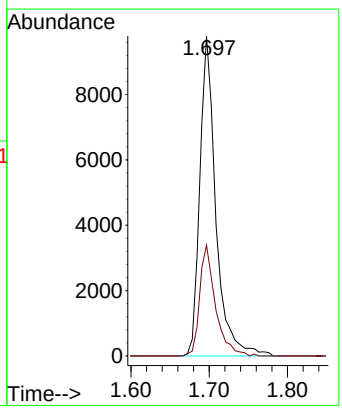
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

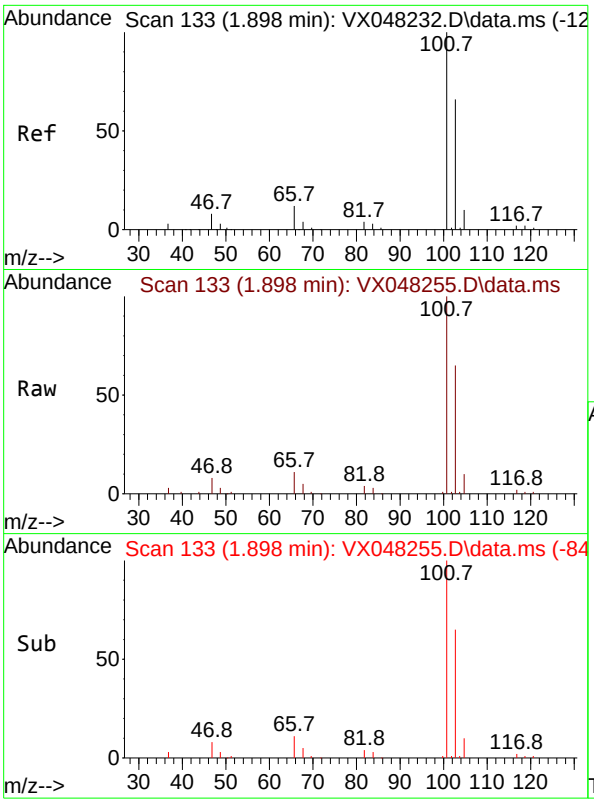


#6
Chloroethane
Concen: 18.884 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 64 Resp: 13922

Ion	Ratio	Lower	Upper
64	100		
66	34.6	23.9	35.9

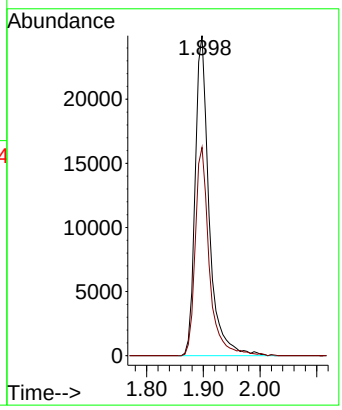




#7
Trichlorofluoromethane
Concen: 17.702 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:101 Resp: 4259

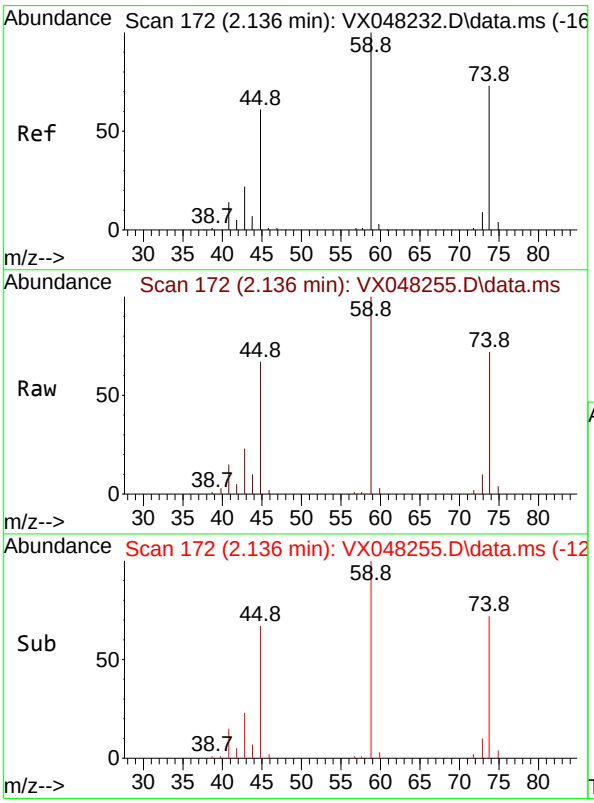
Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

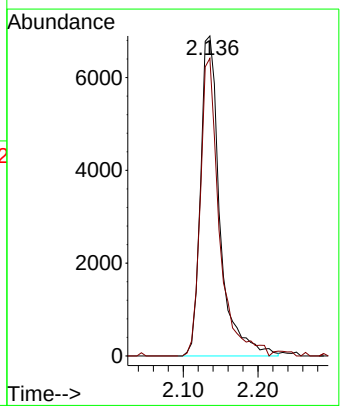
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

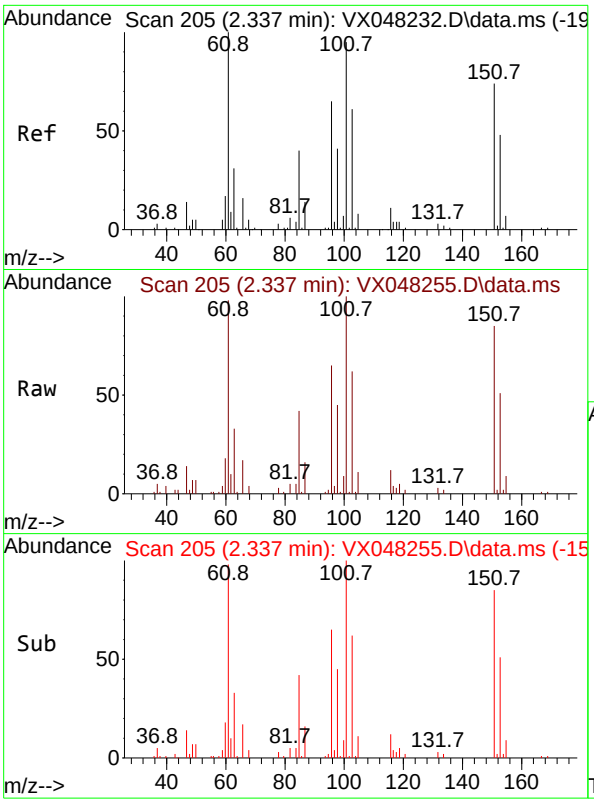


#8
Diethyl Ether
Concen: 18.418 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 74 Resp: 12470

Ion	Ratio	Lower	Upper
74	100		
45	91.2	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.555 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

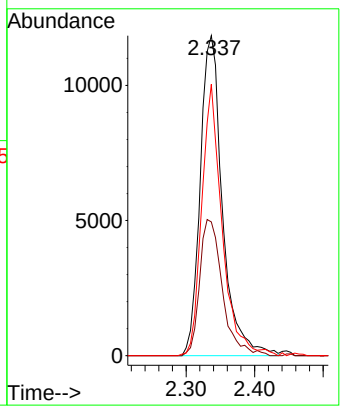
Tgt Ion:101 Resp: 2674

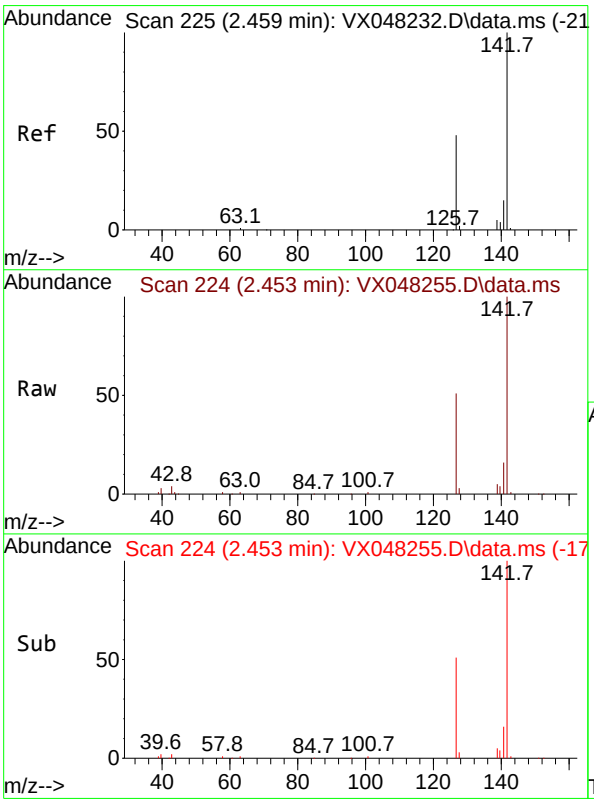
Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.6	53.4
151	77.6	58.0	87.0

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

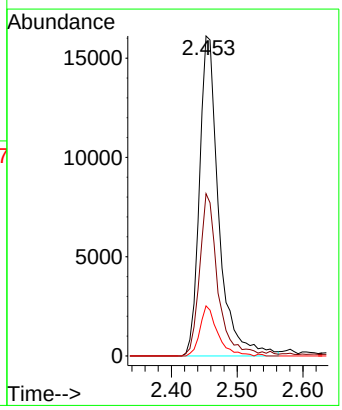


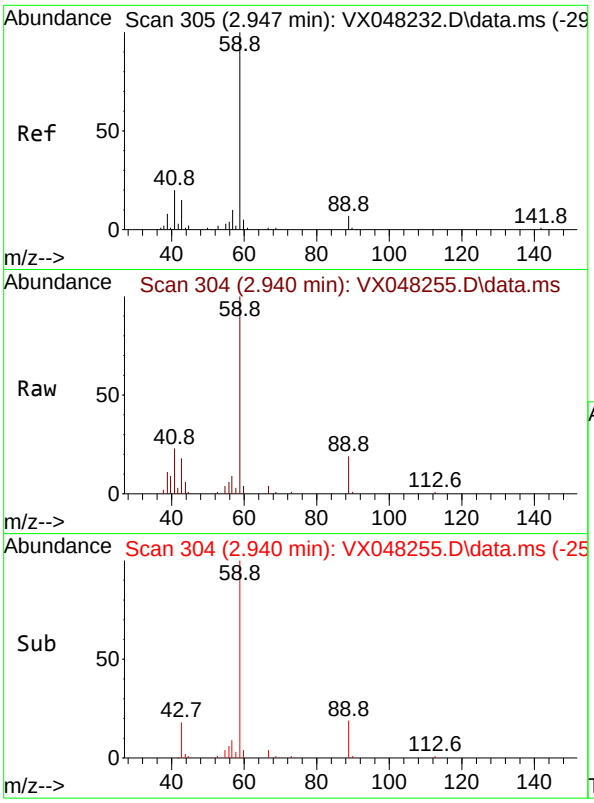


#10
Methyl Iodide
Concen: 17.207 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:142 Resp: 32960

Ion	Ratio	Lower	Upper
142	100		
127	48.3	38.5	57.7
141	14.3	11.6	17.4

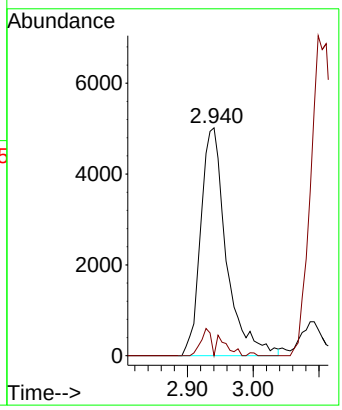




#11
Tert butyl alcohol
Concen: 69.088 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 59 Resp: 1358

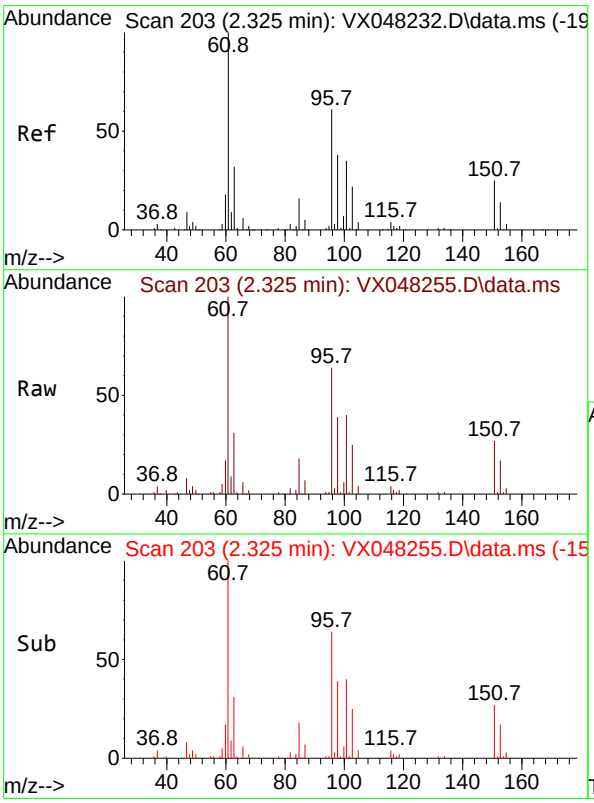
Ion	Ratio	Lower	Upper
59	100		
57	4.6	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

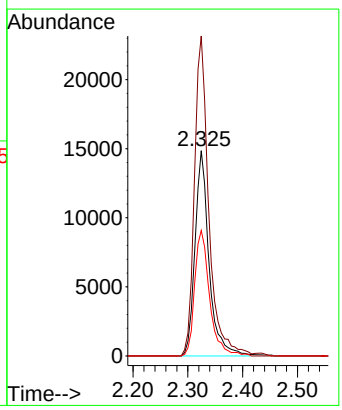
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

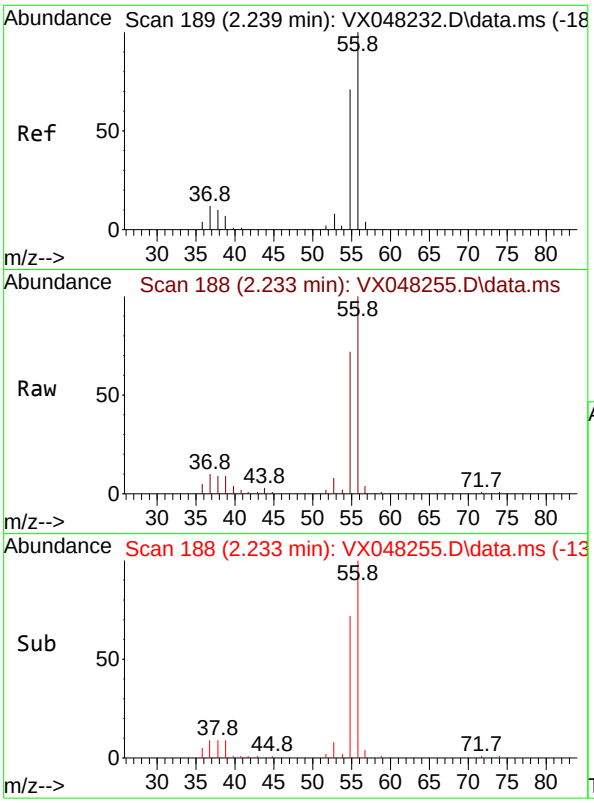


#12
1,1-Dichloroethene
Concen: 17.997 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 96 Resp: 26679

Ion	Ratio	Lower	Upper
96	100		
61	155.9	139.0	208.6
98	61.1	52.4	78.6

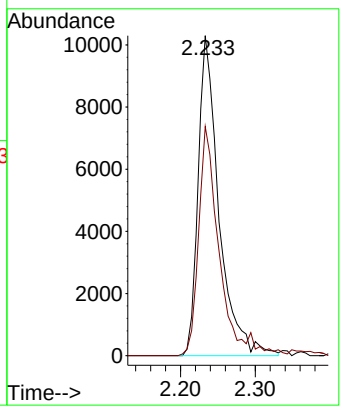




#13
Acrolein
Concen: 99.067 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 56 Resp: 1986

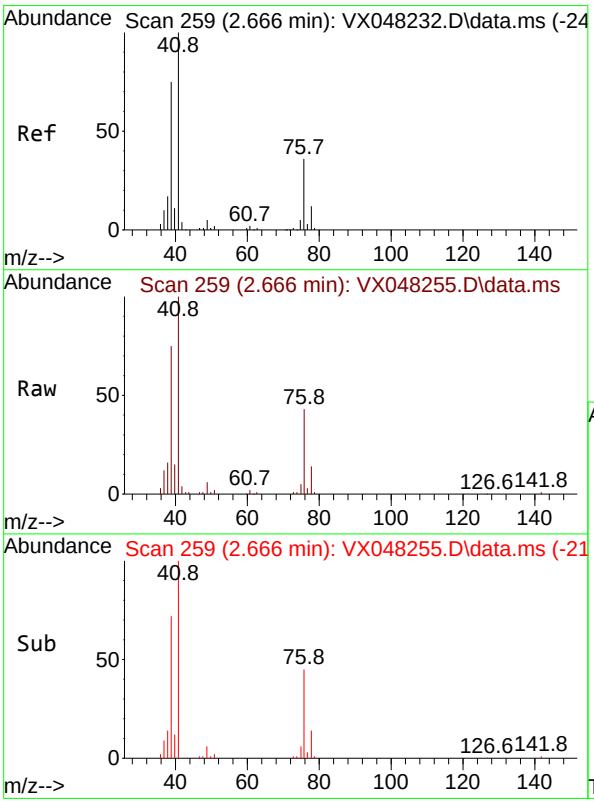
Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

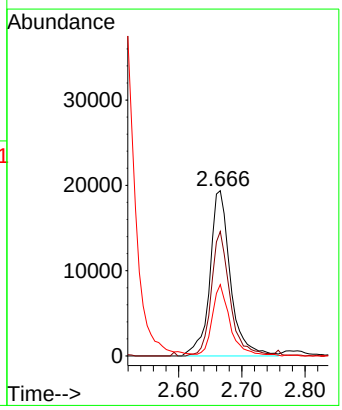
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

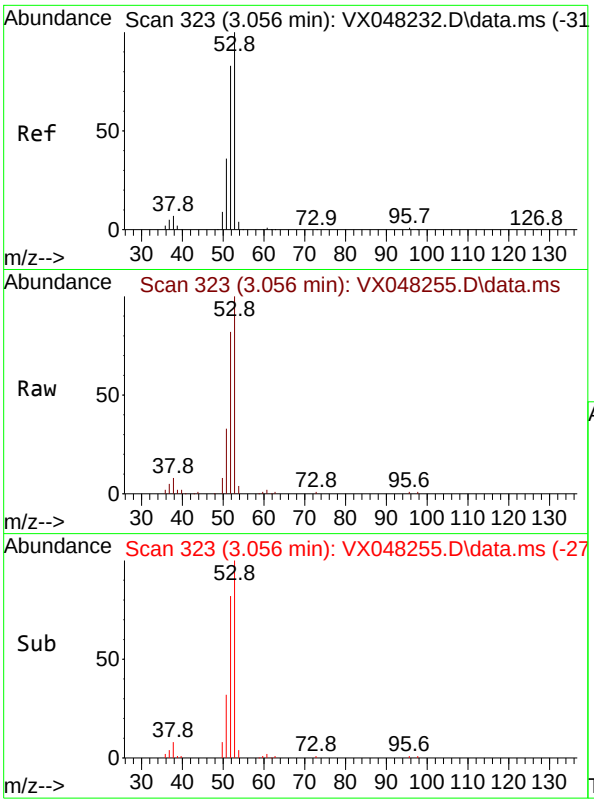


#14
Allyl chloride
Concen: 17.844 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 41 Resp: 43917

Ion	Ratio	Lower	Upper
41	100		
39	68.3	56.0	84.0
76	37.7	27.5	41.3

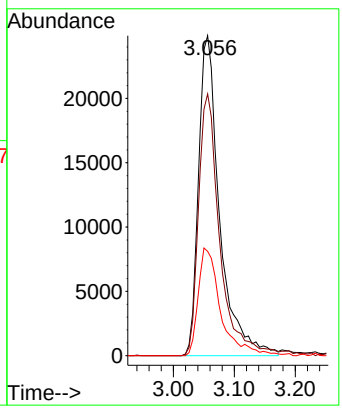




#15
Acrylonitrile
Concen: 84.532 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 53 Resp: 5991

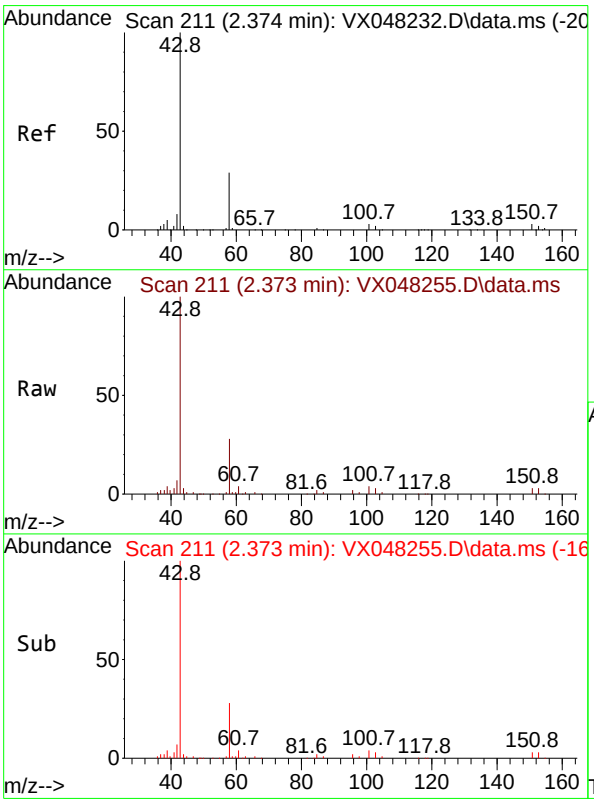
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.1	99.1
51	36.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

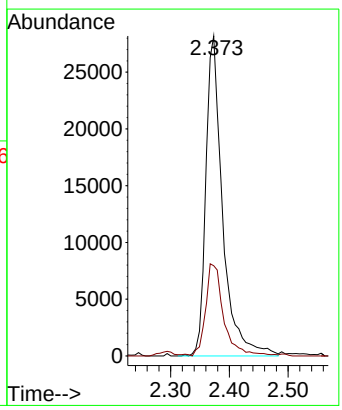
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

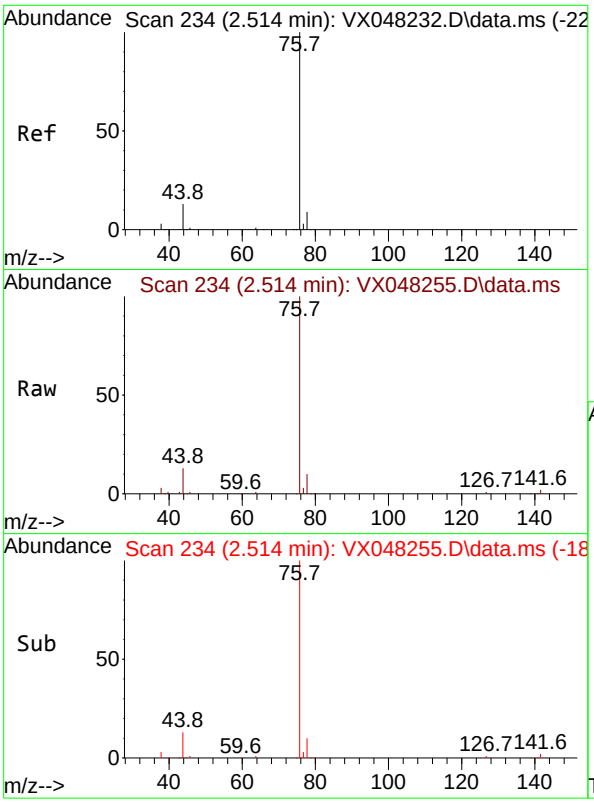


#16
Acetone
Concen: 82.307 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 43 Resp: 55899

Ion	Ratio	Lower	Upper
43	100		
58	27.8	23.4	35.2

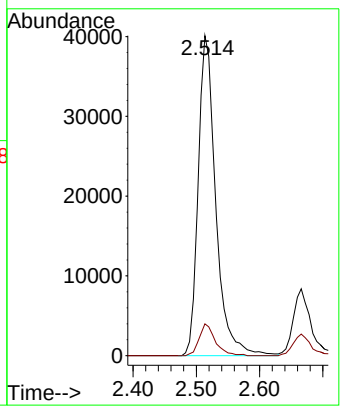




#17
Carbon Disulfide
Concen: 16.623 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 76 Resp: 7766

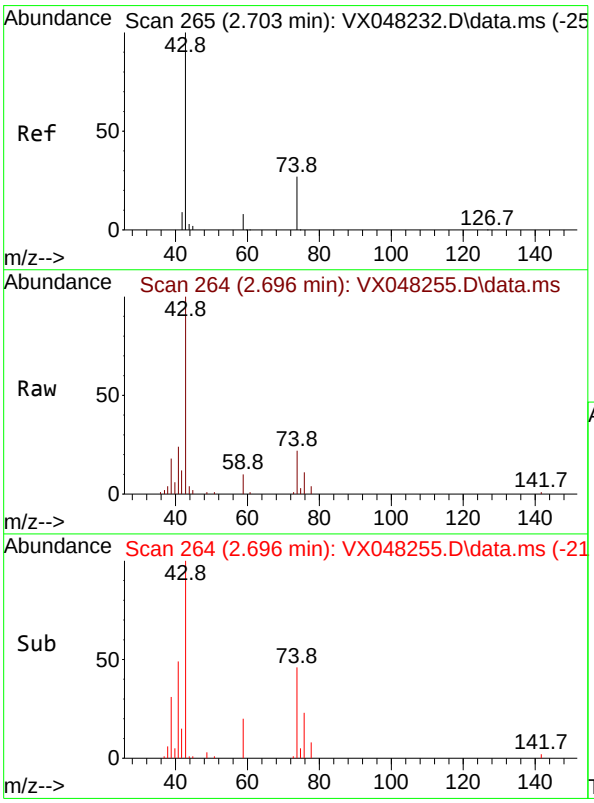
Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

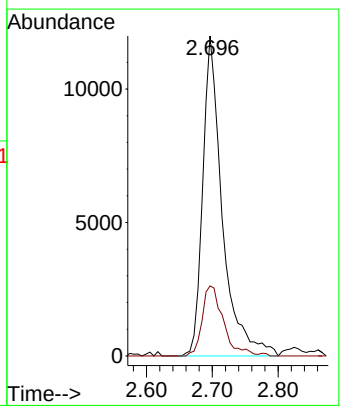
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

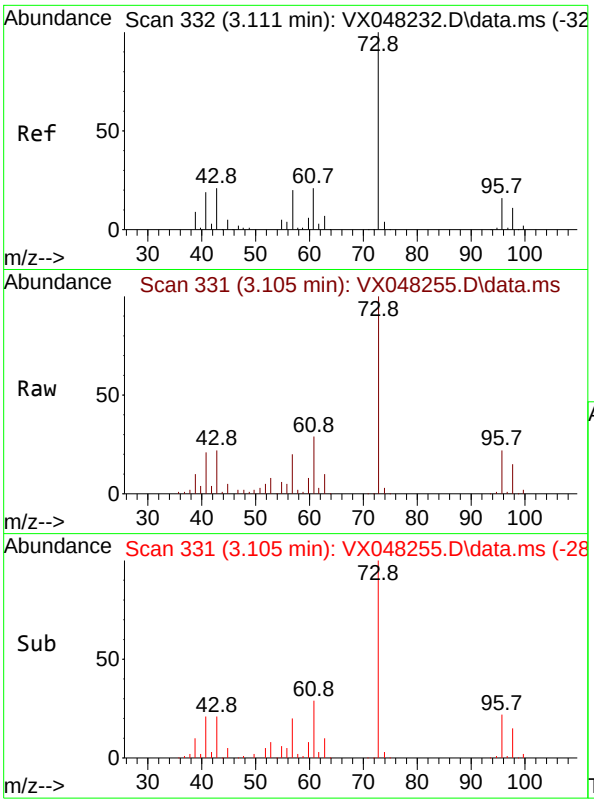


#18
Methyl Acetate
Concen: 17.503 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 43 Resp: 24826

Ion	Ratio	Lower	Upper
43	100		
74	23.6	17.5	26.3

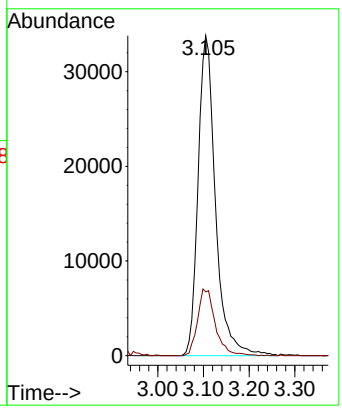




#19
Methyl tert-butyl Ether
Concen: 17.640 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 73 Resp: 8921

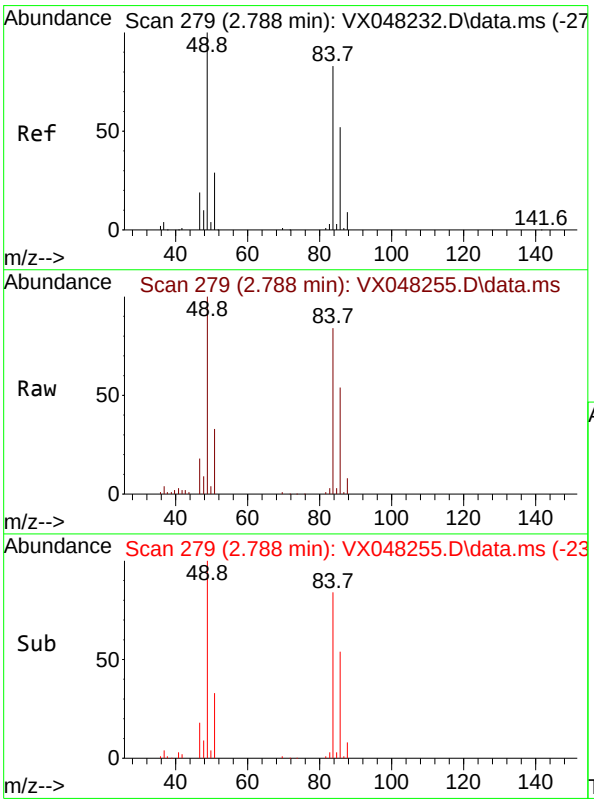
Ion	Ratio	Lower	Upper
73	100		
57	19.9	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

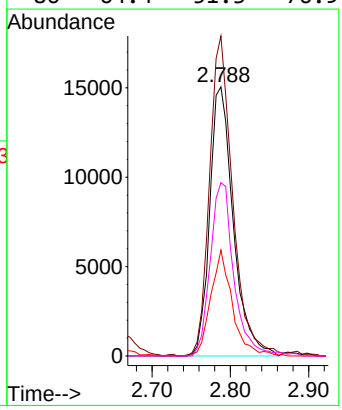
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

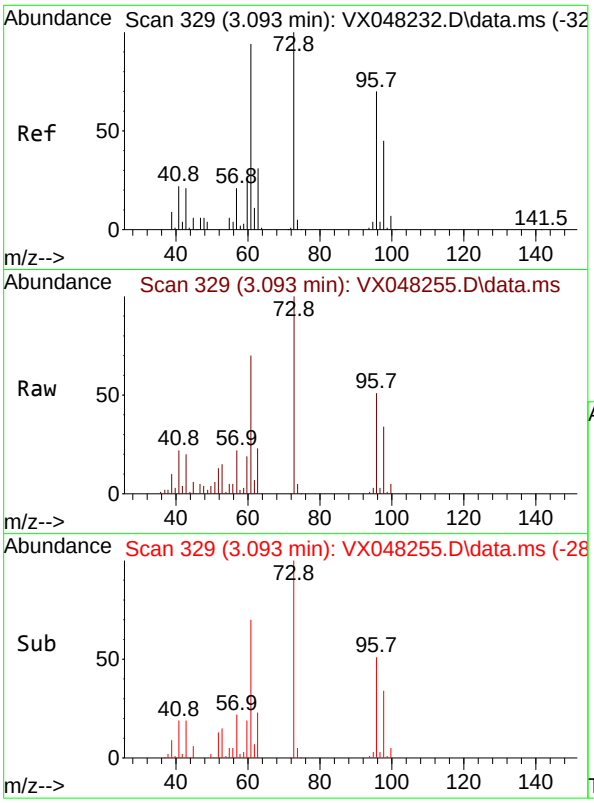


#20
Methylene Chloride
Concen: 19.062 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 84 Resp: 31545

Ion	Ratio	Lower	Upper
84	100		
49	118.9	104.1	156.1
51	39.3	31.3	46.9
86	64.4	51.3	76.9





#21
trans-1,2-Dichloroethene
Concen: 17.892 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

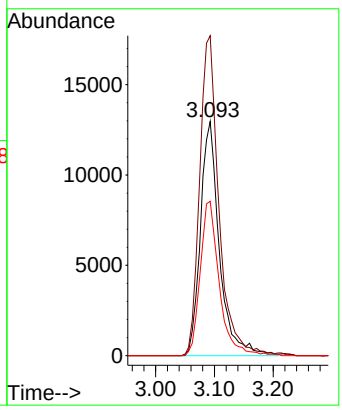
Tgt Ion: 96 Resp: 2913

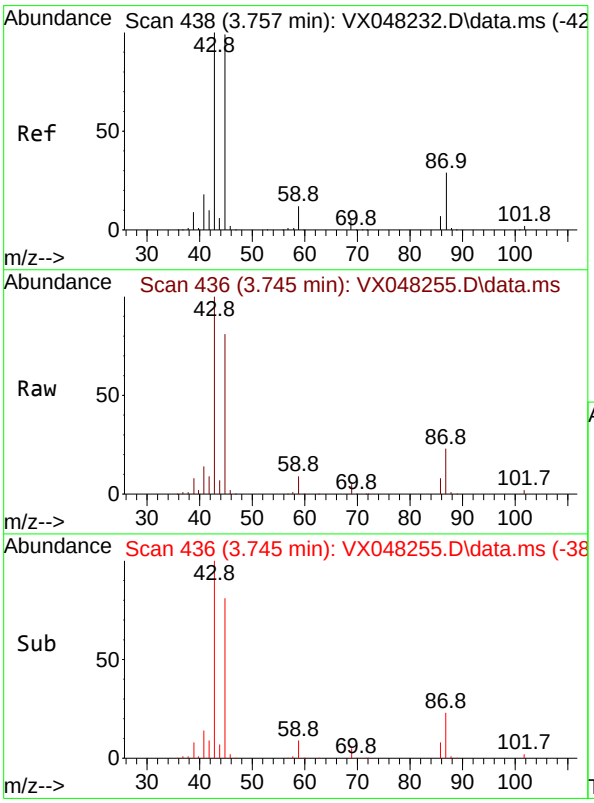
Ion	Ratio	Lower	Upper
96	100		
61	136.6	111.9	167.9
98	66.0	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

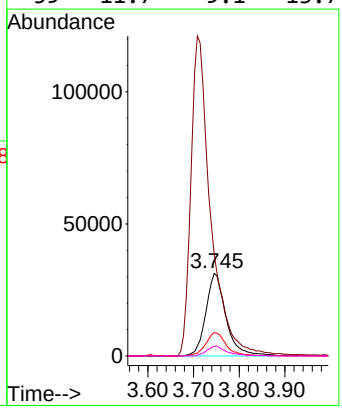


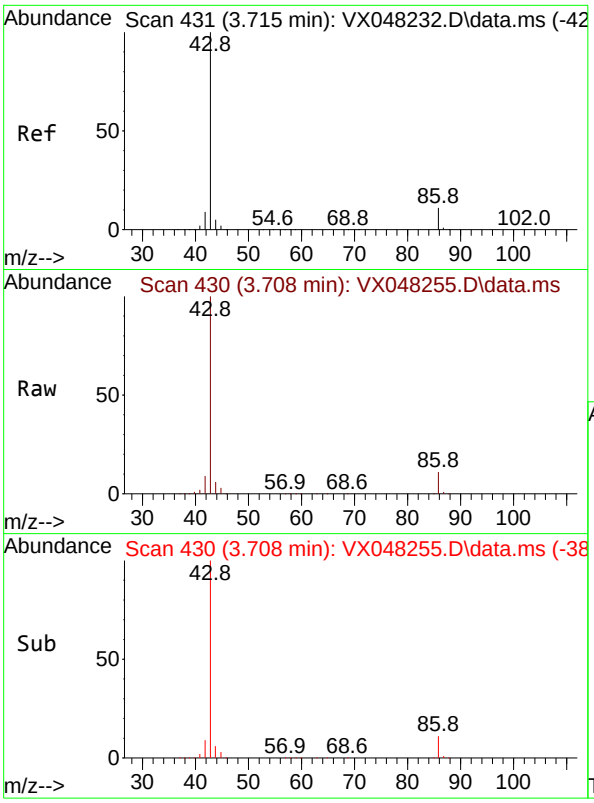


#22
Diisopropyl ether
Concen: 19.476 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 45 Resp: 95604

Ion	Ratio	Lower	Upper
45	100		
43	123.5	89.8	134.8
87	28.3	20.6	31.0
59	11.7	9.1	13.7





#23
Vinyl Acetate
Concen: 93.748 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

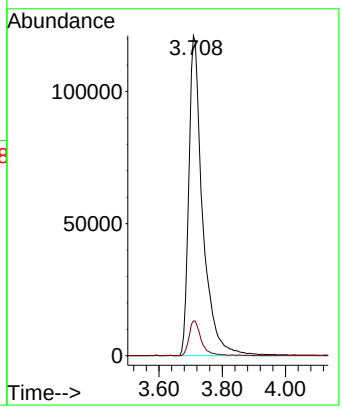
Tgt Ion: 43 Resp: 36760

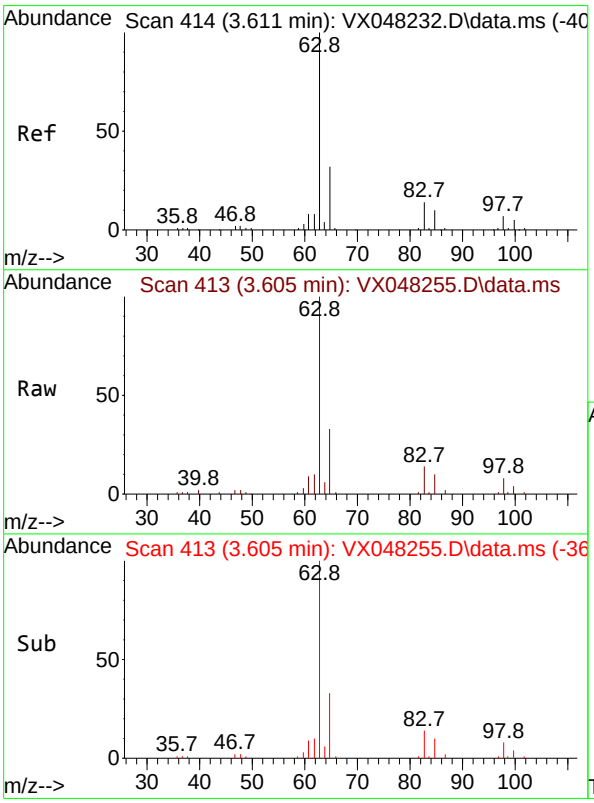
Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

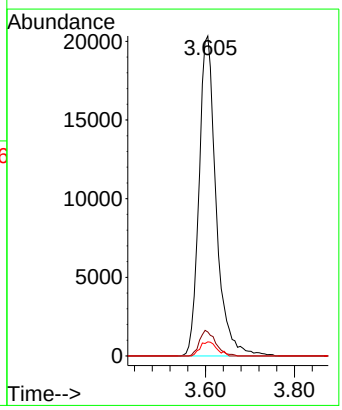


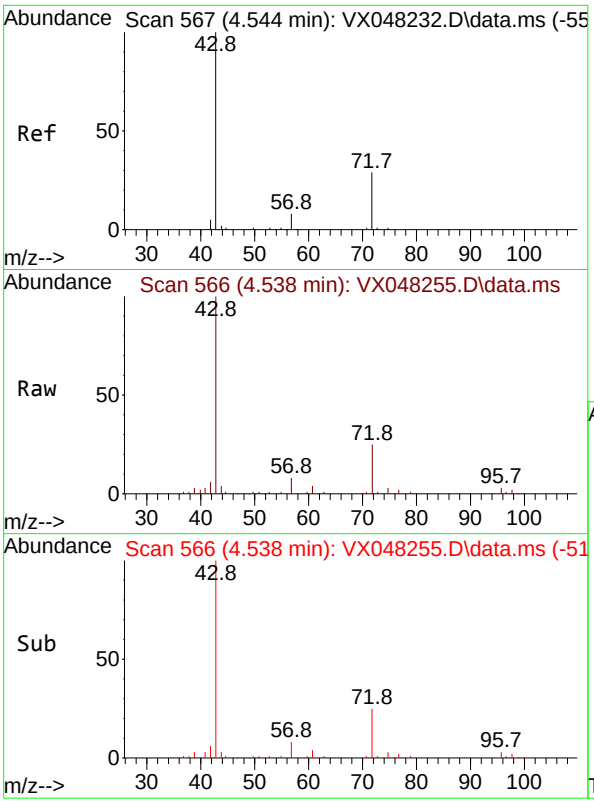


#24
1,1-Dichloroethane
Concen: 18.382 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 63 Resp: 54562

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.5	10.6
100	4.4	2.1	6.3





#25
2-Butanone
Concen: 85.214 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

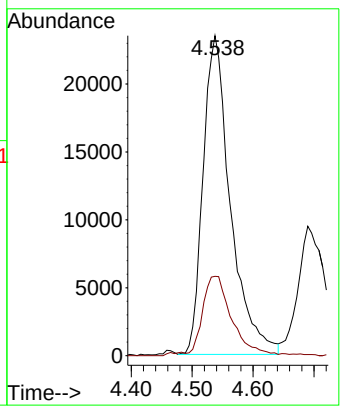
Tgt Ion: 43 Resp: 7325

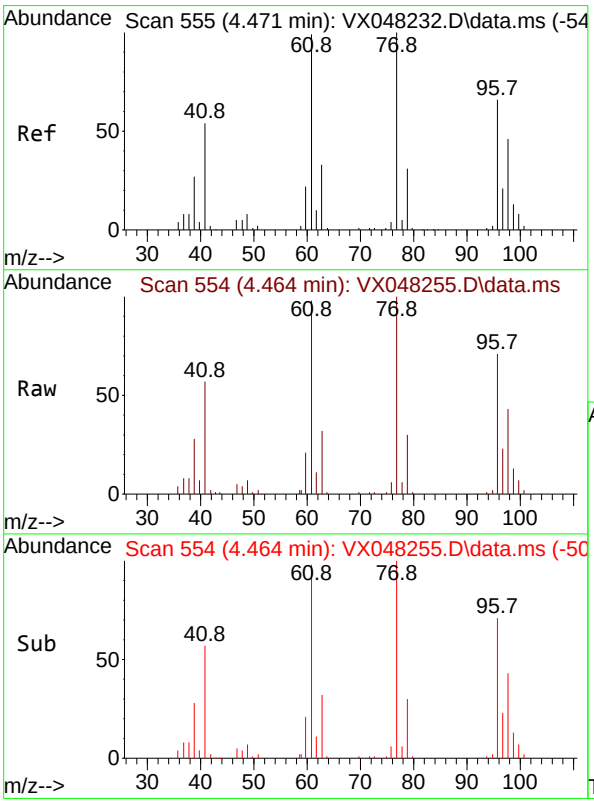
Ion	Ratio	Lower	Upper
43	100		
72	24.7	19.9	29.9

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

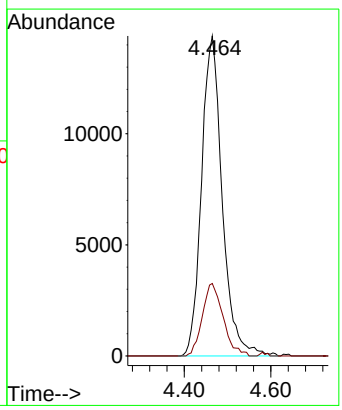


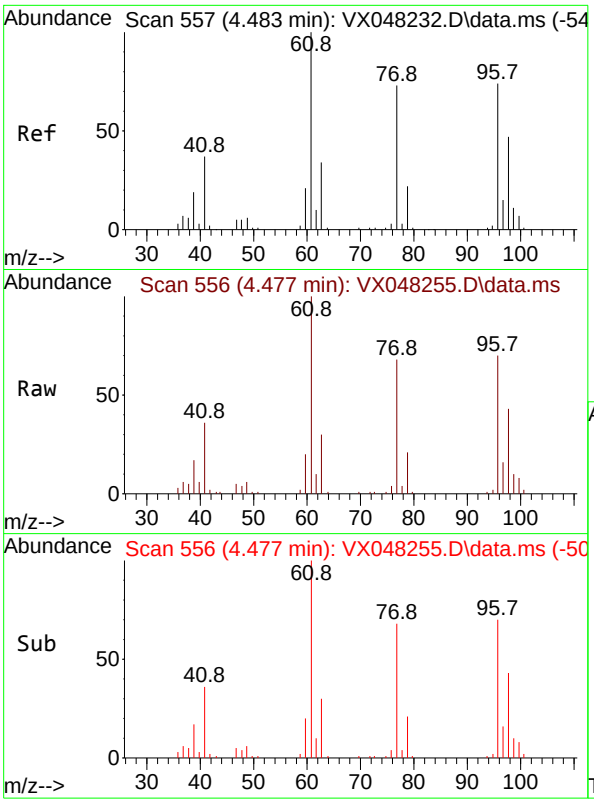


#26
2,2-Dichloropropane
Concen: 17.854 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 77 Resp: 47833

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.1	33.3

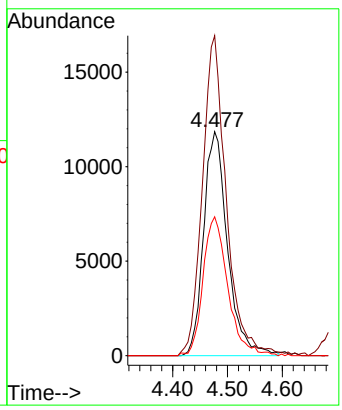




#27
cis-1,2-Dichloroethene
Concen: 18.906 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 96 Resp: 3592

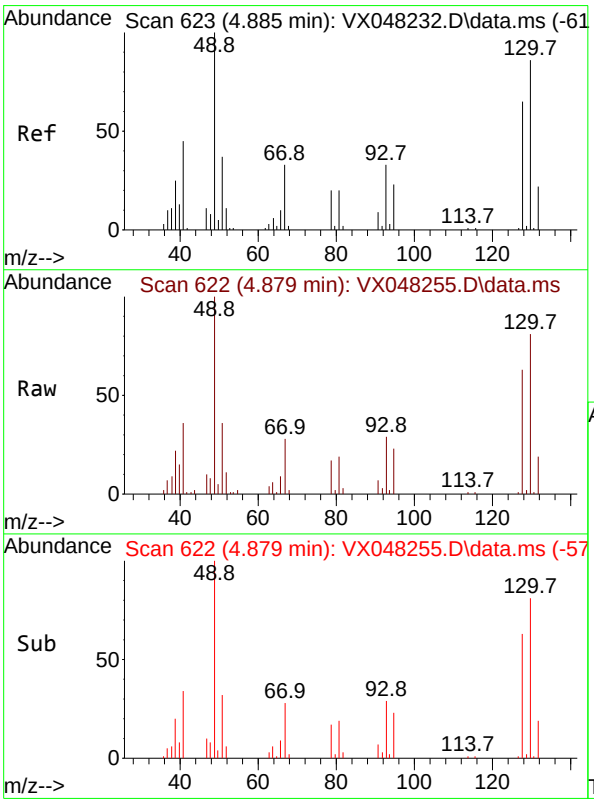
Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	294.2
98	64.0	0.0	128.4



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

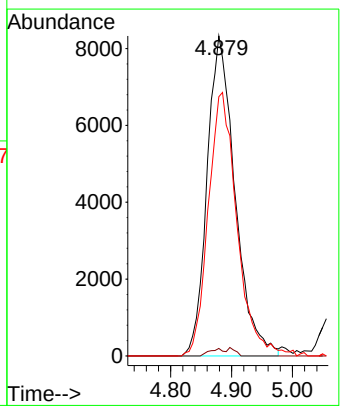
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

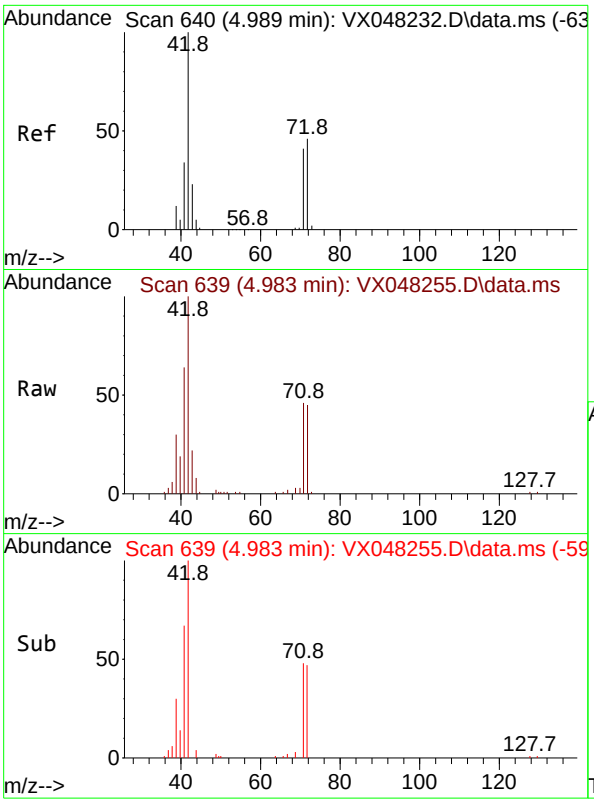


#28
Bromochloromethane
Concen: 21.558 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 49 Resp: 26532

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	84.6	59.3	88.9

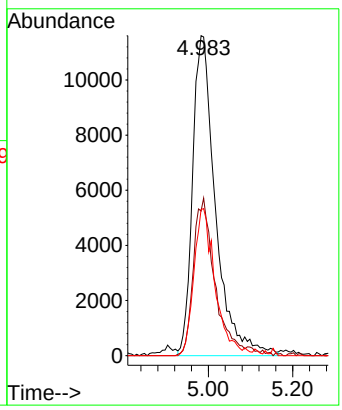




#29
Tetrahydrofuran
Concen: 85.433 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 42 Resp: 4398

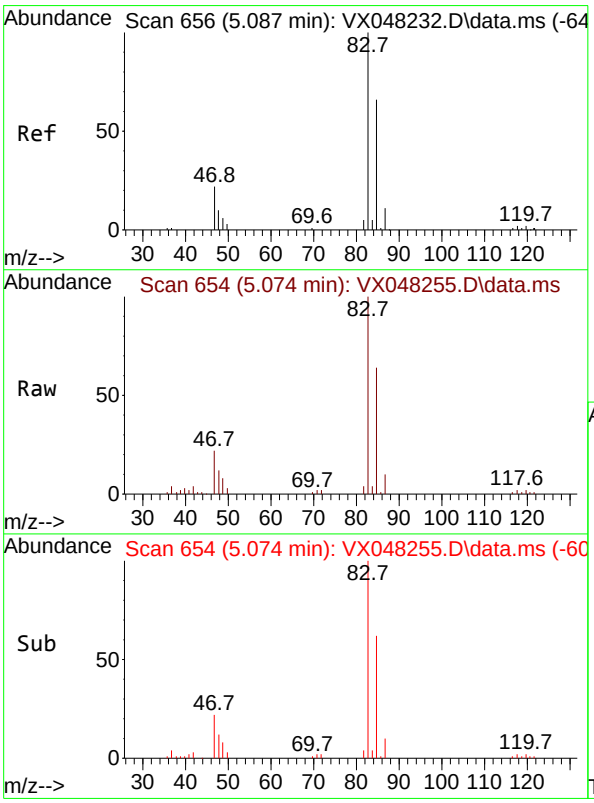
Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.3	52.9
71	42.9	32.2	48.4



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

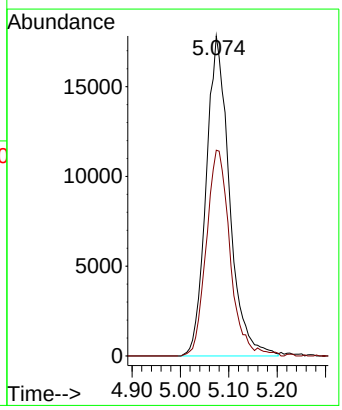
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

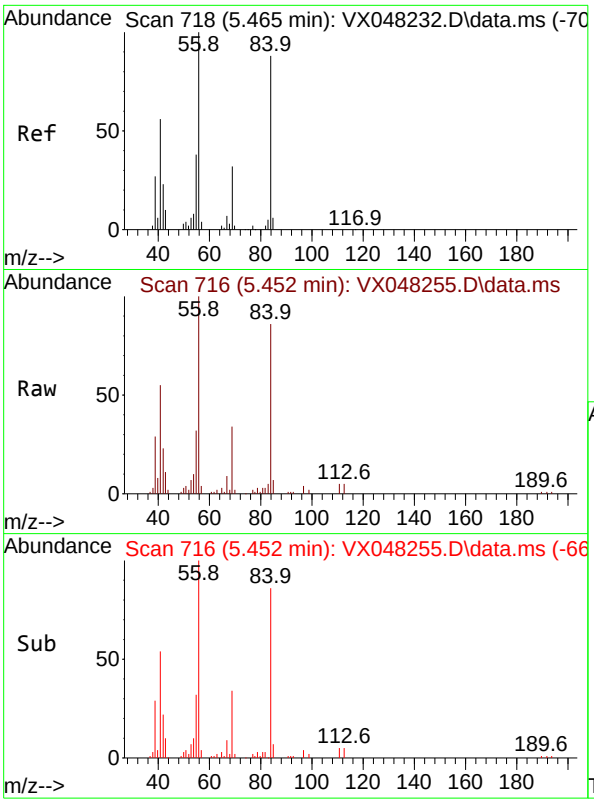


#30
Chloroform
Concen: 18.803 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 83 Resp: 59628

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.1	75.1

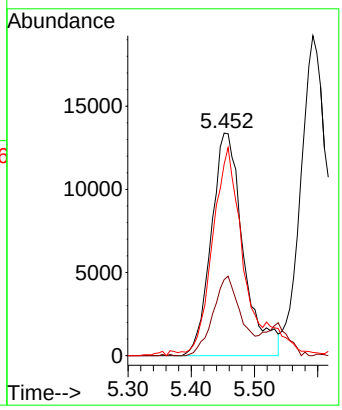




#31
Cyclohexane
Concen: 19.171 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 56 Resp: 4711

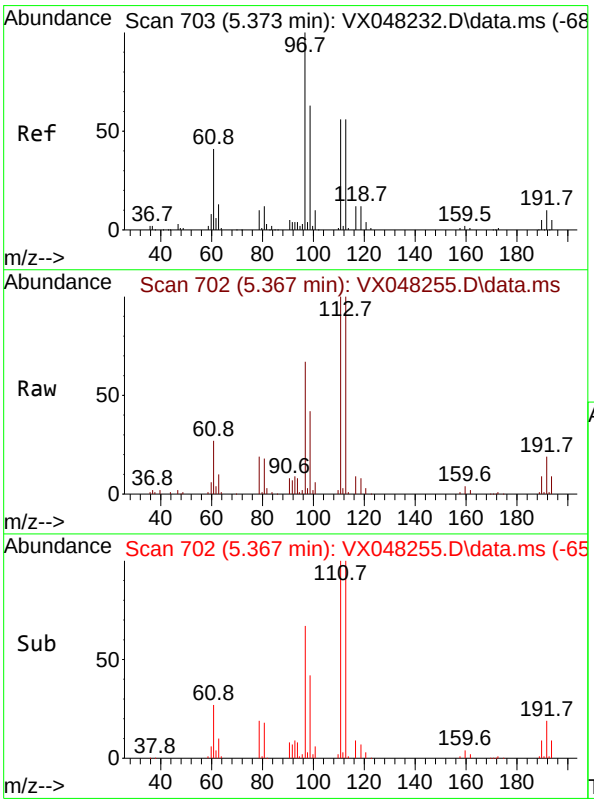
Ion	Ratio	Lower	Upper
56	100		
69	34.2	23.0	34.6
84	84.6	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

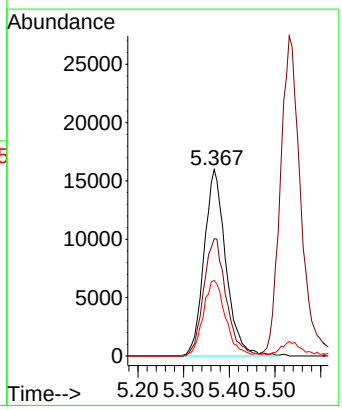
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

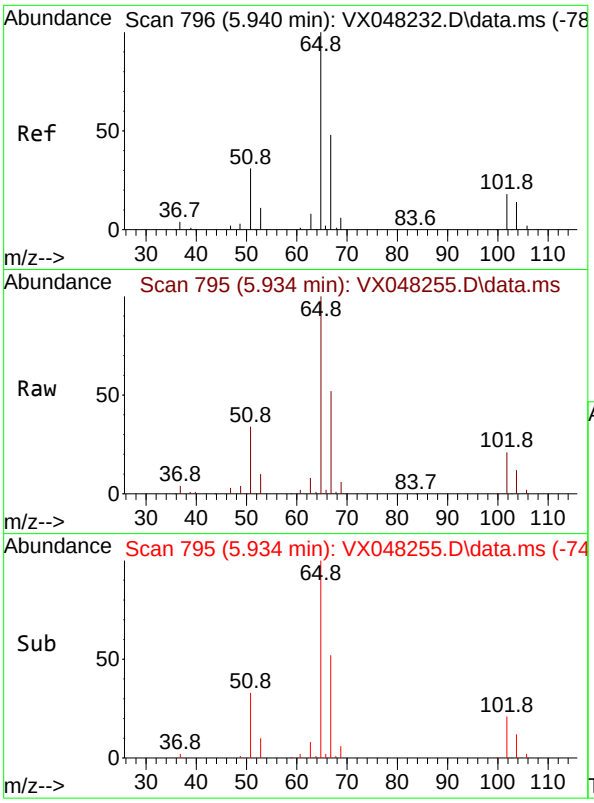


#32
1,1,1-Trichloroethane
Concen: 18.082 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 97 Resp: 52848

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	41.4	34.8	52.2

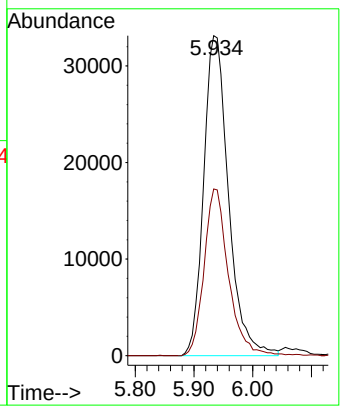




#33
1,2-Dichloroethane-d4
Concen: 49.180 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 65 Resp: 9736

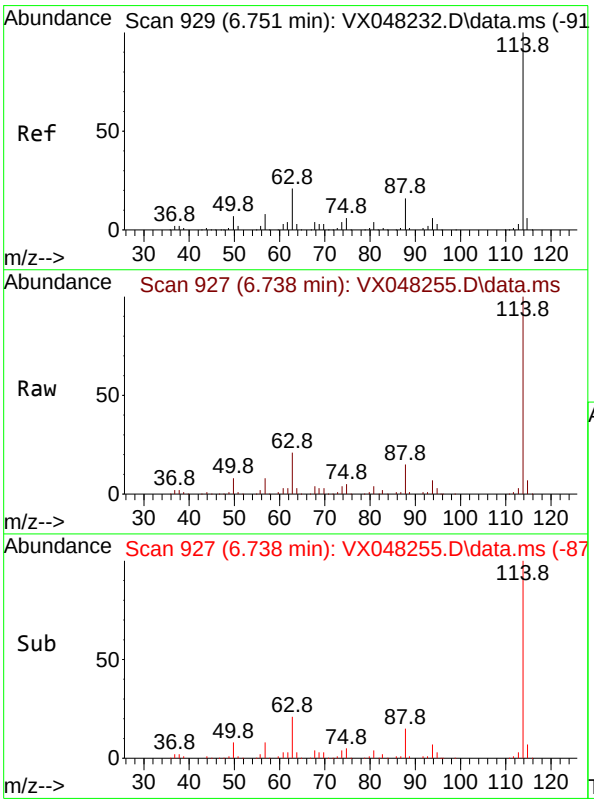
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

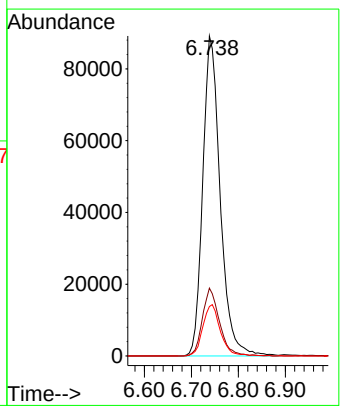
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

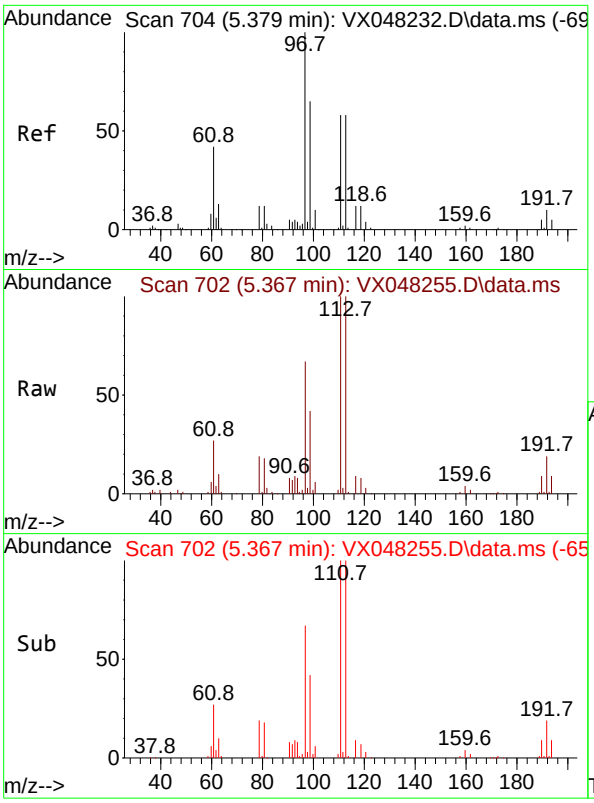


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.007 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:114 Resp: 230109

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.2
88	15.5	0.0	33.6

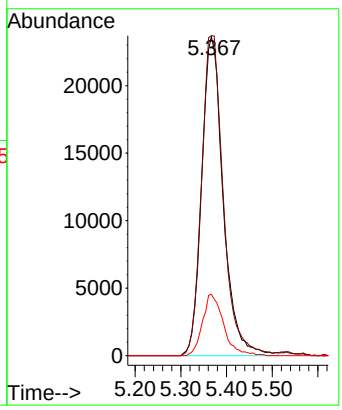




#35
Dibromofluoromethane
Concen: 49.256 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:113 Resp: 7737

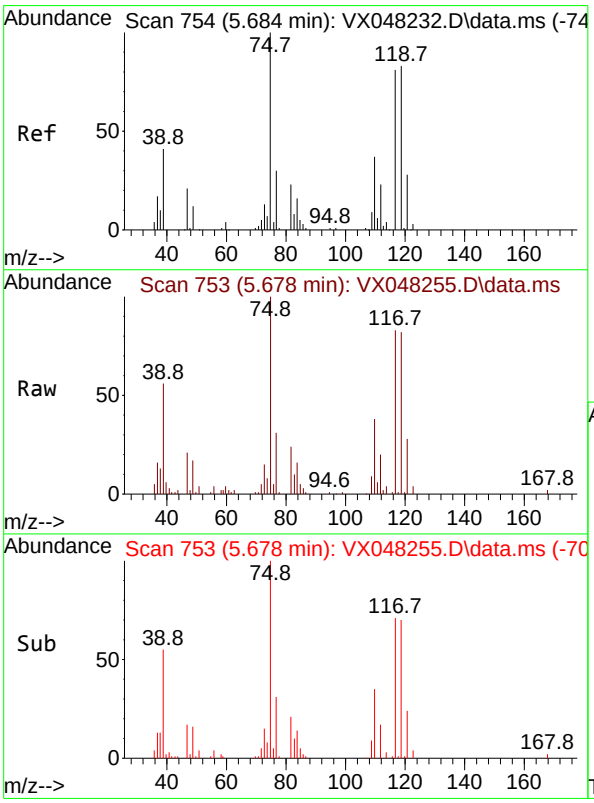
Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.2	123.4
192	18.9	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

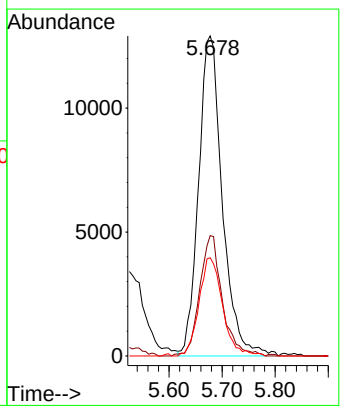
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

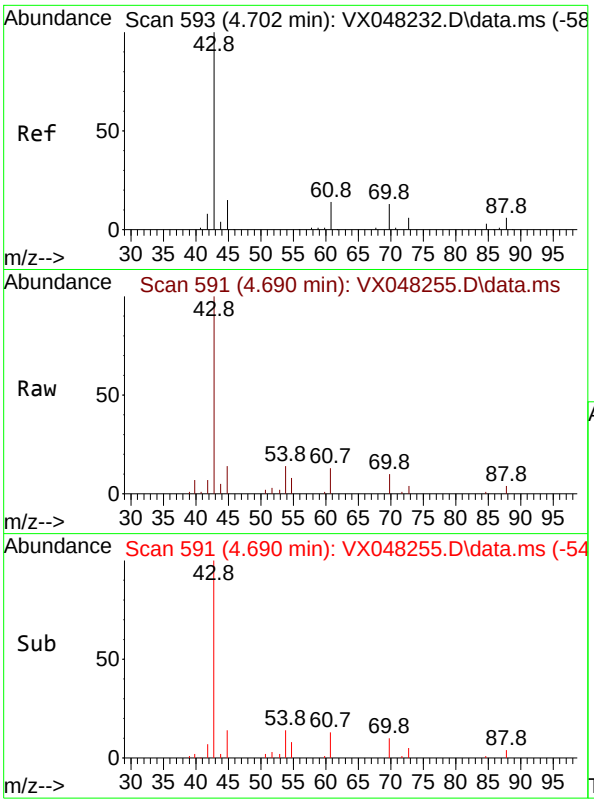


#36
1,1-Dichloropropene
Concen: 18.023 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 40242

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.7	53.1
77	30.3	24.3	36.5





#37
Ethyl Acetate
Concen: 17.426 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

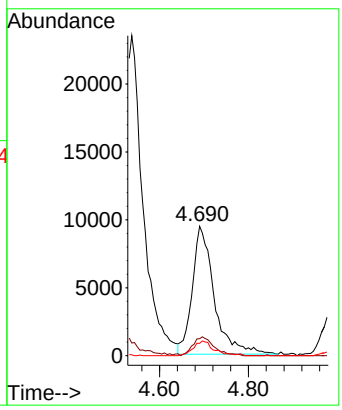
Tgt Ion: 43 Resp: 3225

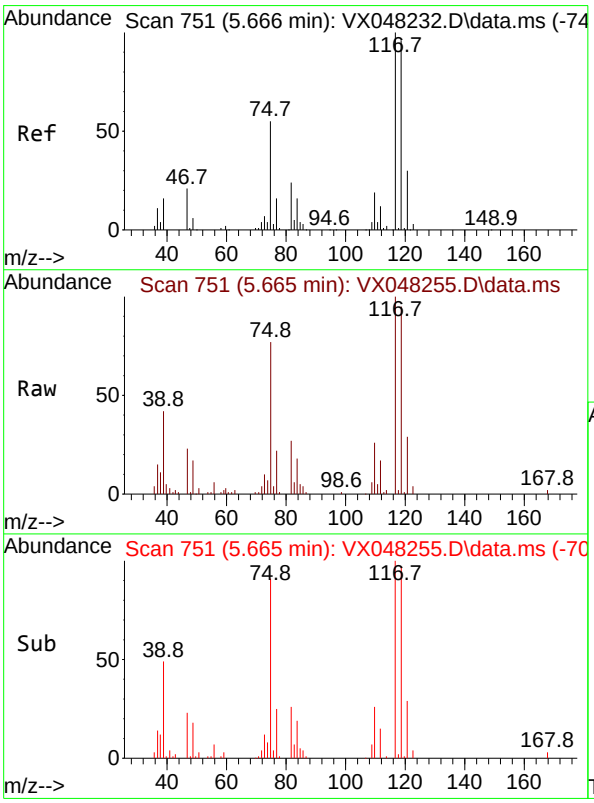
Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.6	15.8
70	10.5	7.8	11.6

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

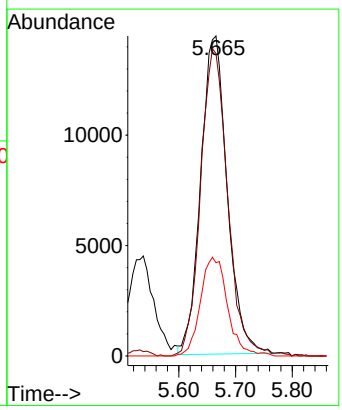


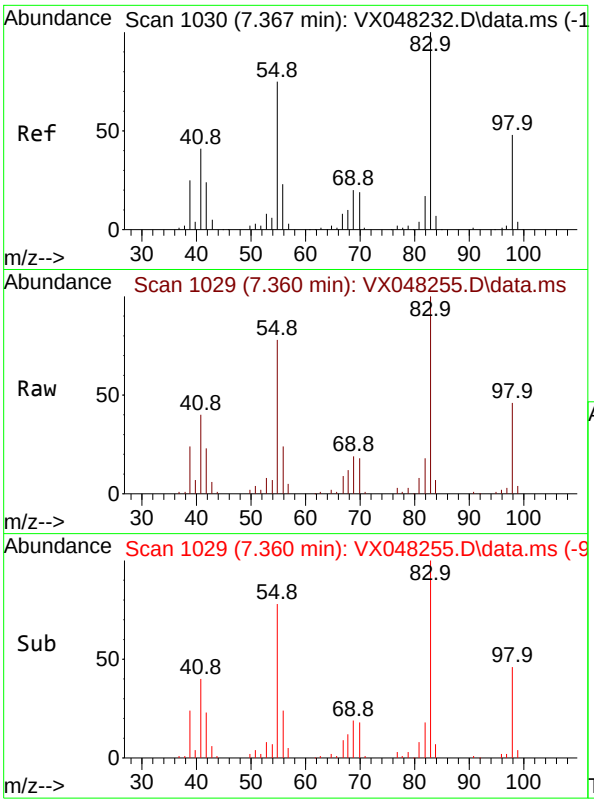


#38
Carbon Tetrachloride
Concen: 17.024 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:117 Resp: 46896

Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.2	115.8
121	29.4	24.8	37.2

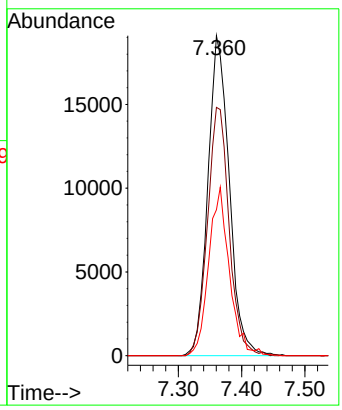




#39
Methylcyclohexane
Concen: 16.976 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 83 Resp: 4476

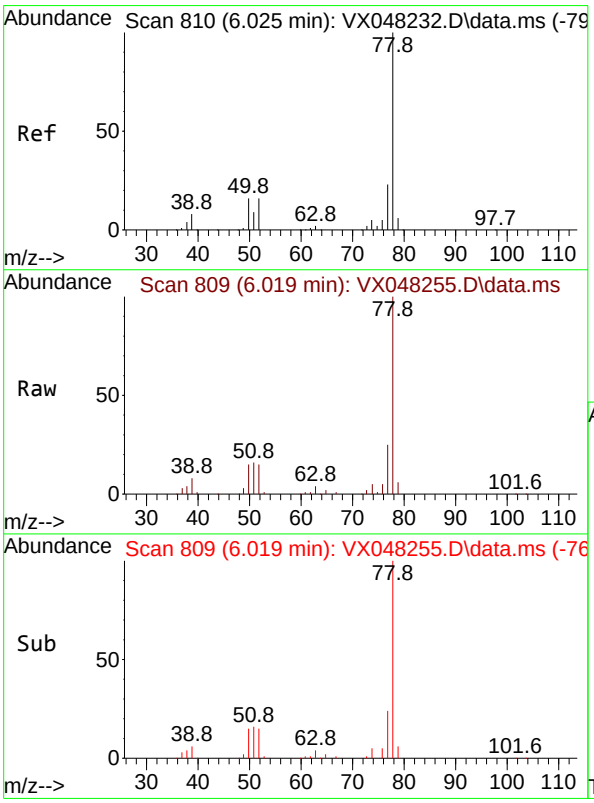
Ion	Ratio	Lower	Upper
83	100		
55	77.6	66.2	99.2
98	45.6	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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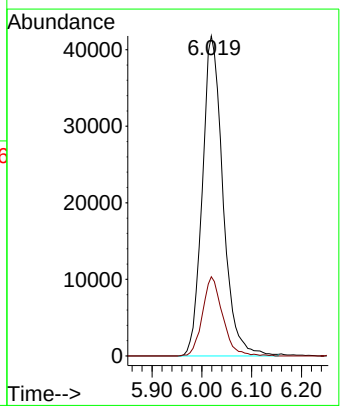
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

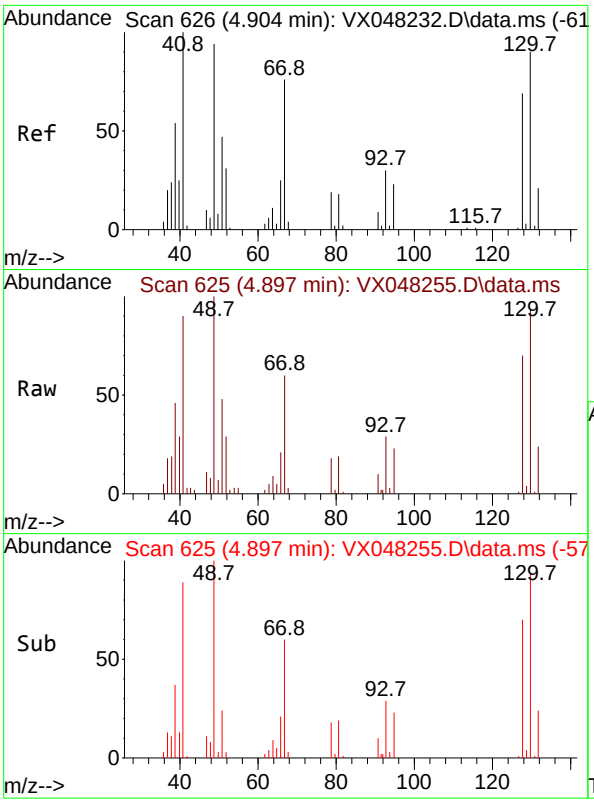


#40
Benzene
Concen: 18.540 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 78 Resp: 120185

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.3	28.9

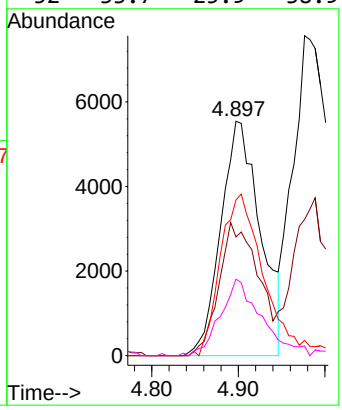




#41
Methacrylonitrile
Concen: 18.099 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 41 Resp: 1759

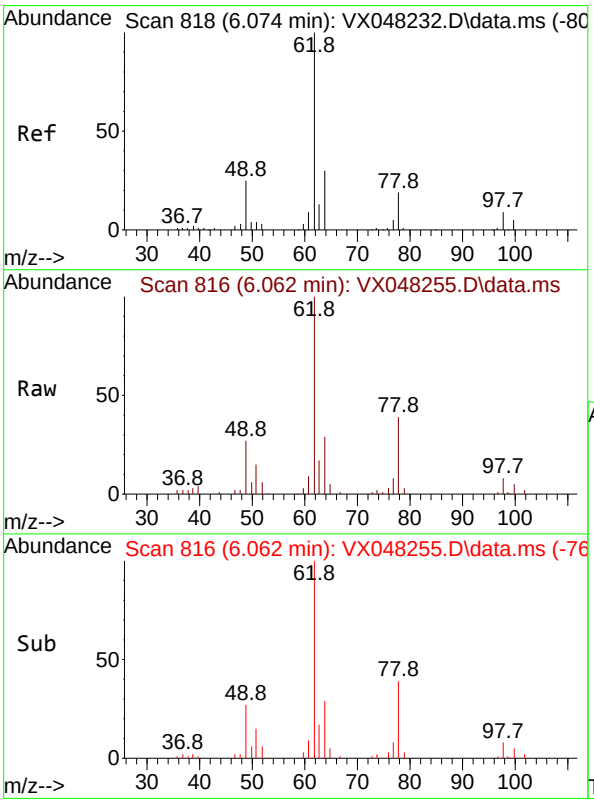
Ion	Ratio	Lower	Upper
41	100		
39	56.0	44.0	66.0
67	77.1	58.7	88.1
52	33.7	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

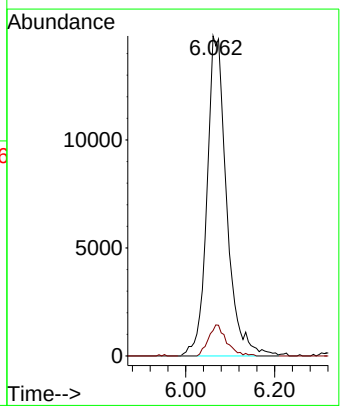
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

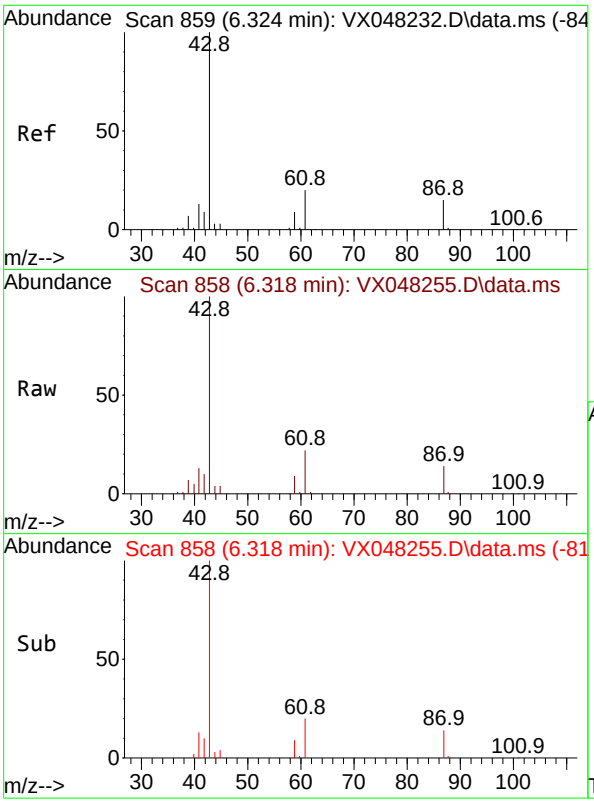


#42
1,2-Dichloroethane
Concen: 19.053 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 62 Resp: 45577

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2





#43
Isopropyl Acetate
Concen: 17.402 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

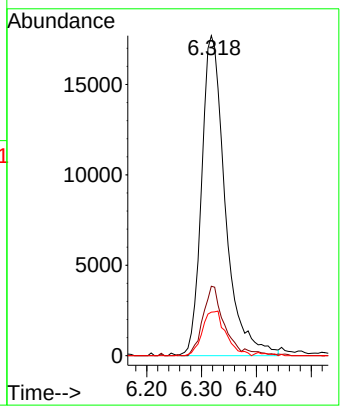
Tgt Ion: 43 Resp: 5290

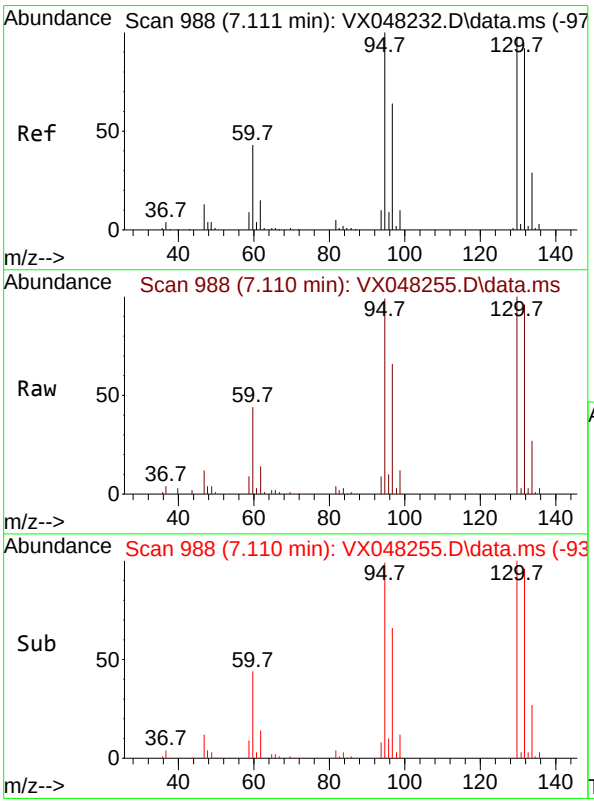
Ion	Ratio	Lower	Upper
43	100		
61	20.0	14.9	22.3
87	13.8	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

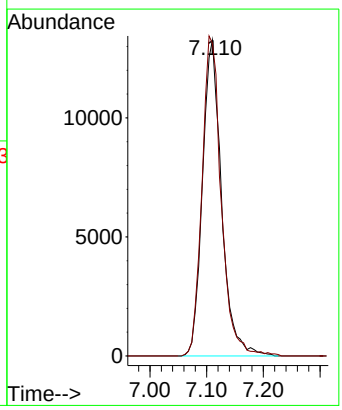


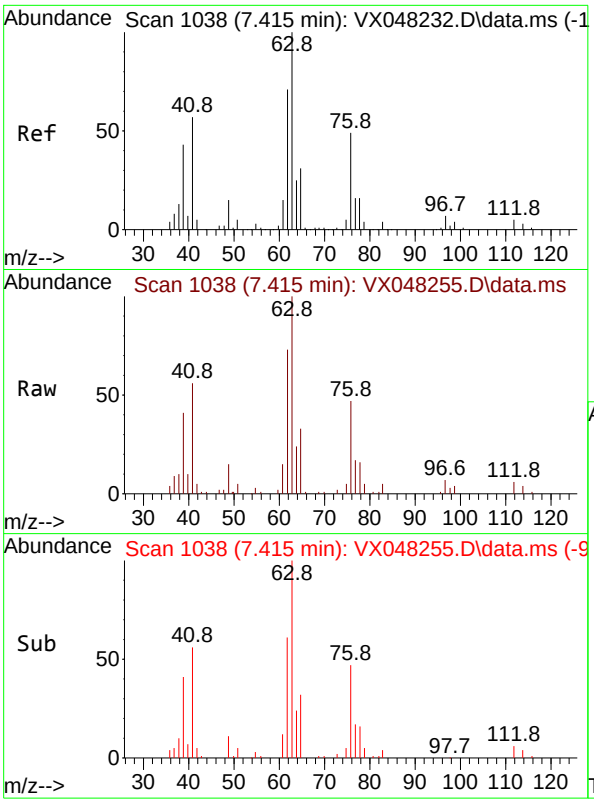


#44
Trichloroethene
Concen: 18.107 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:130 Resp: 30995

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	200.6





#45
1,2-Dichloropropane
Concen: 19.252 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

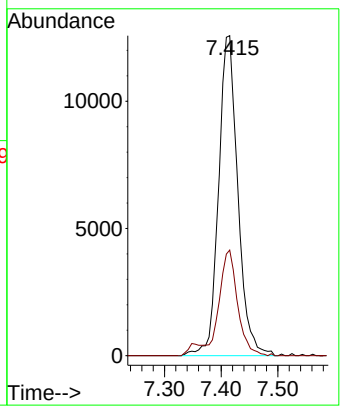
Tgt Ion: 63 Resp: 2967

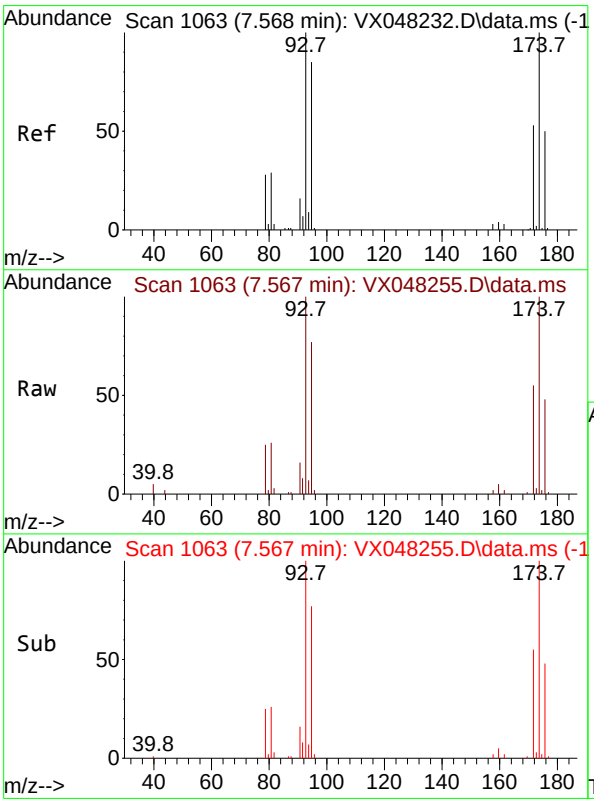
Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

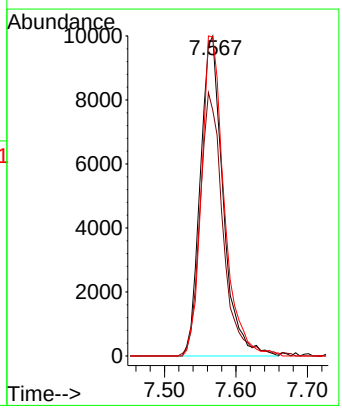


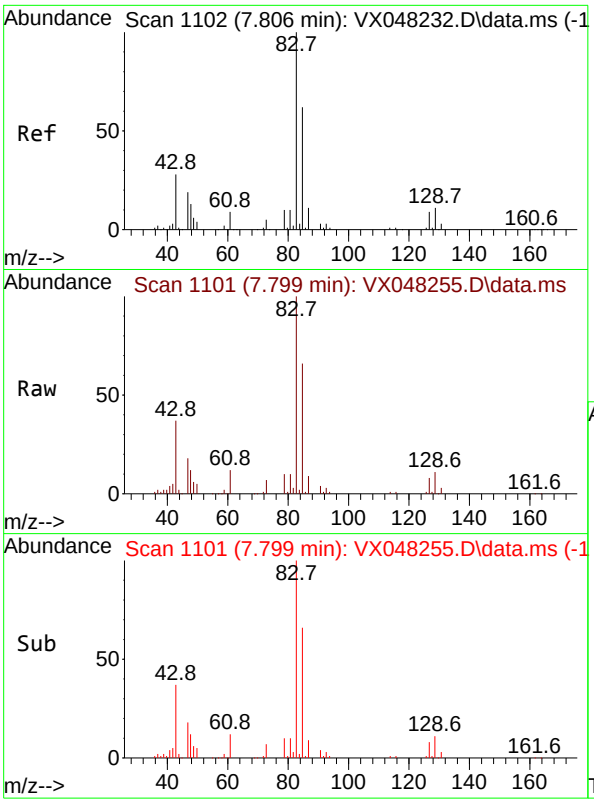


#46
Dibromomethane
Concen: 18.352 ug/l
RT: 7.567 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 93 Resp: 22037

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.9	98.9
174	100.0	71.7	107.5

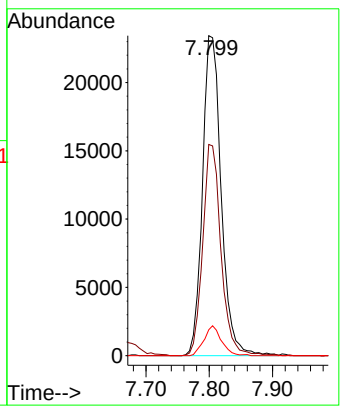




#47
Bromodichloromethane
Concen: 18.606 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 83 Resp: 4824

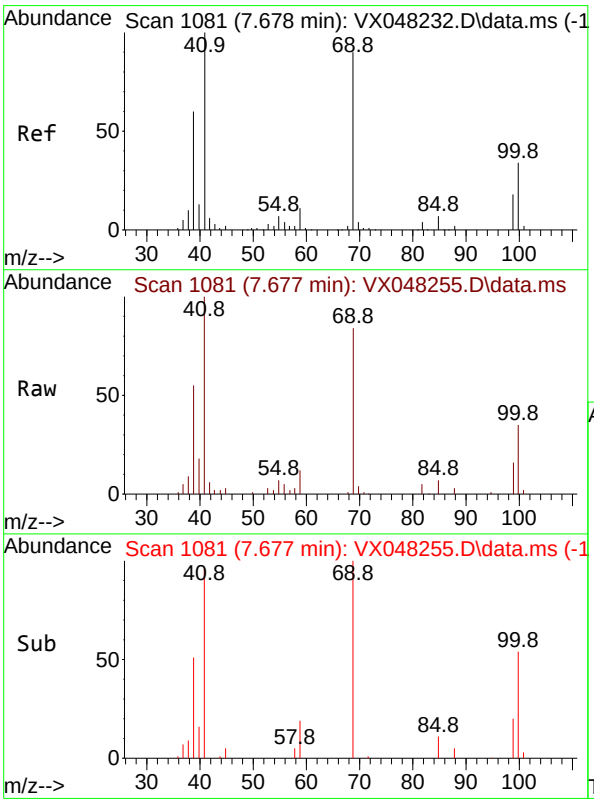
Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.2	78.4
127	8.1	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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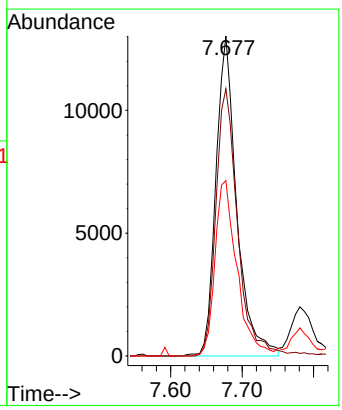
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

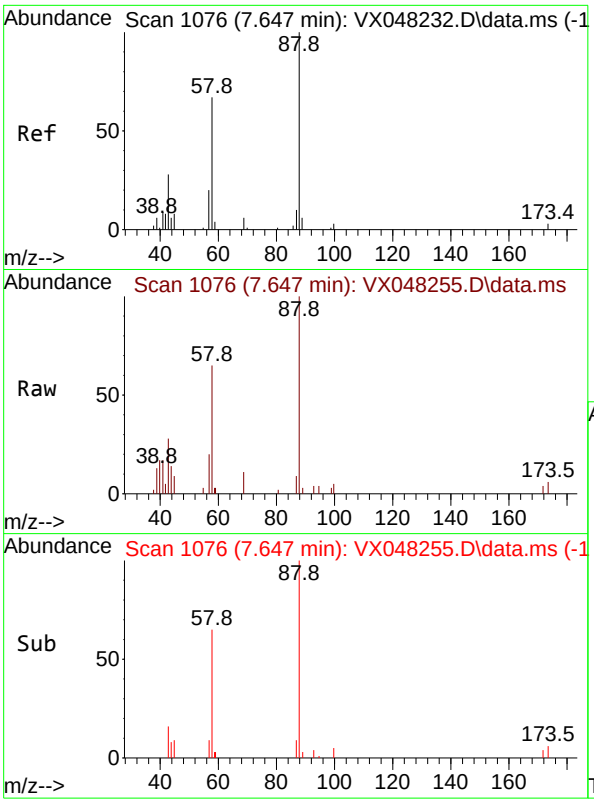


#48
Methyl methacrylate
Concen: 17.158 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 41 Resp: 26320

Ion	Ratio	Lower	Upper
41	100		
69	86.9	63.4	95.0
39	57.9	47.1	70.7





#49
1,4-Dioxane
Concen: 292.405 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

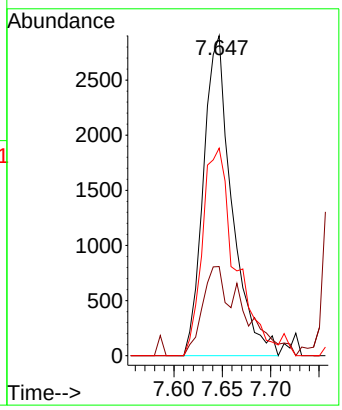
Tgt Ion: 88 Resp: 592

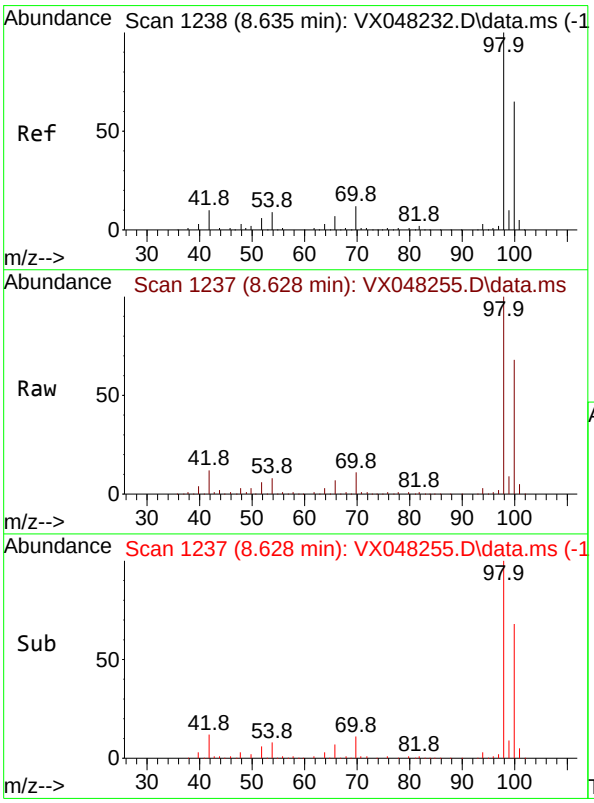
Ion	Ratio	Lower	Upper
88	100		
43	24.0	35.0	52.4
58	75.7	61.9	92.9

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

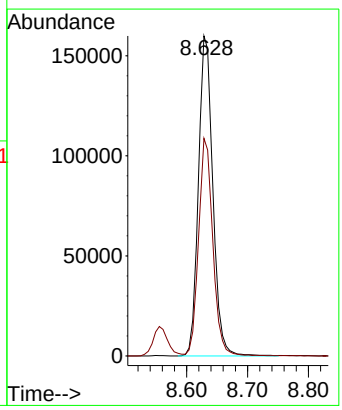


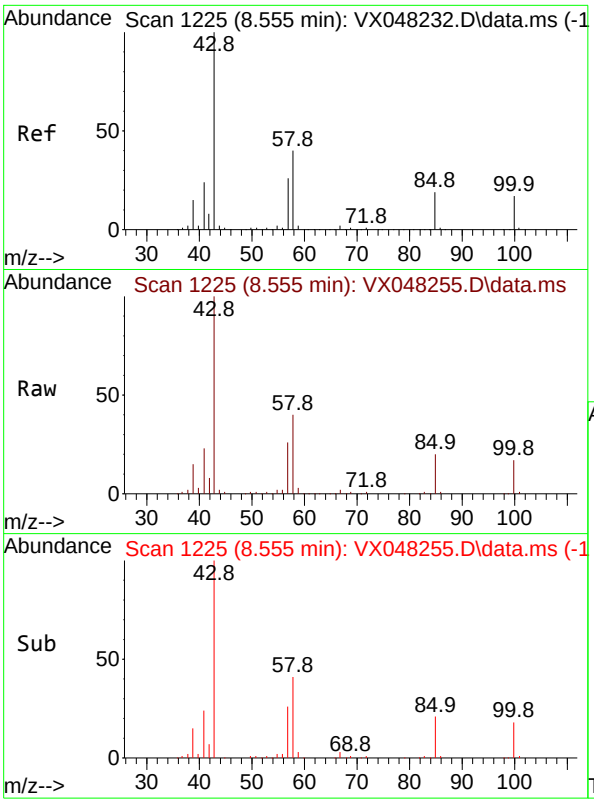


#50
Toluene-d8
Concen: 47.776 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 98 Resp: 263067

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 86.877 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

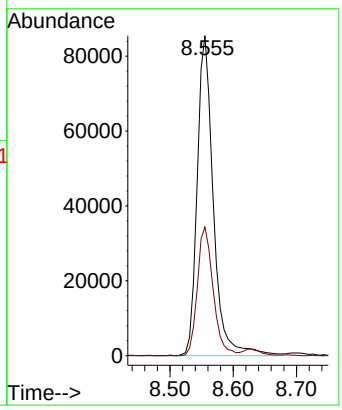
Tgt Ion: 43 Resp: 15227

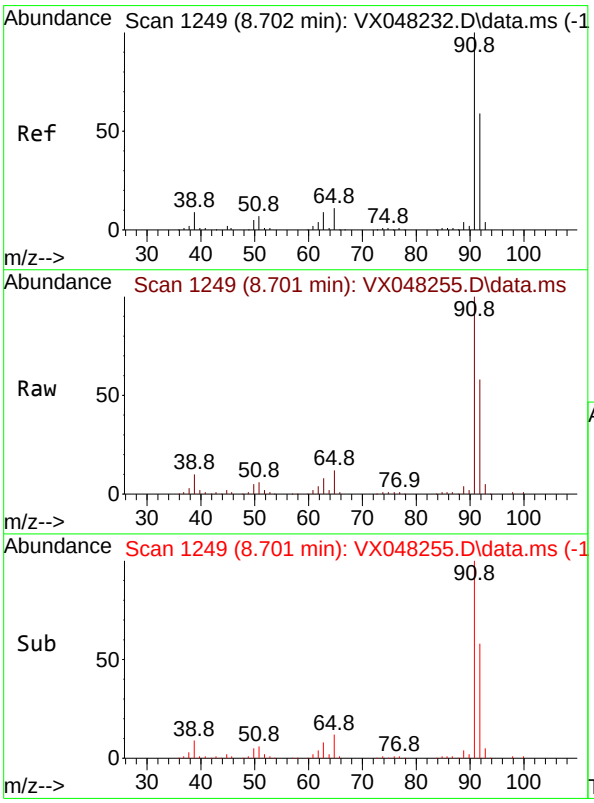
Ion	Ratio	Lower	Upper
43	100		
58	39.2	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

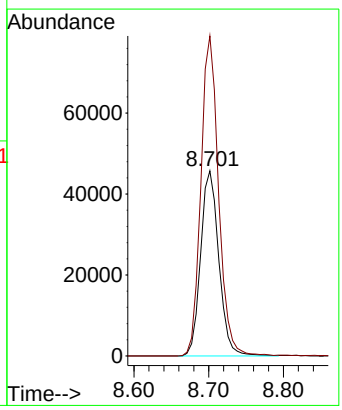


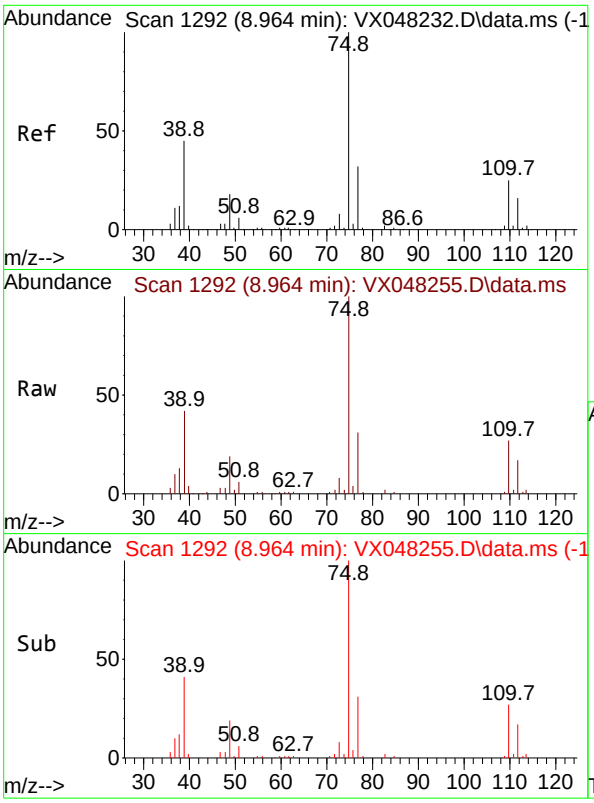


#52
Toluene
Concen: 18.755 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 92 Resp: 77240

Ion	Ratio	Lower	Upper
92	100		
91	168.4	136.1	204.1

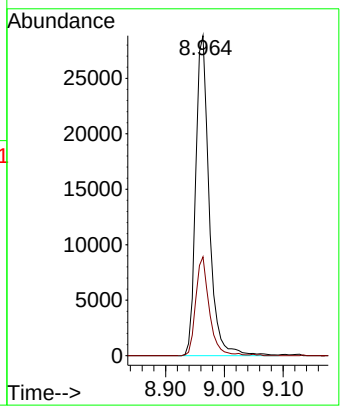




#53
t-1,3-Dichloropropene
Concen: 18.419 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 4602

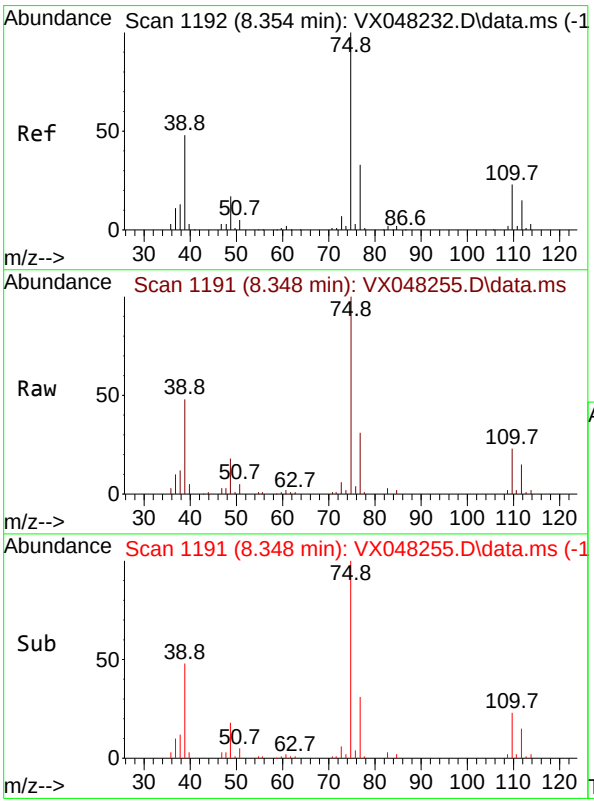
Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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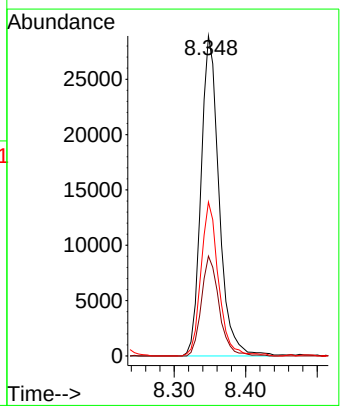
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

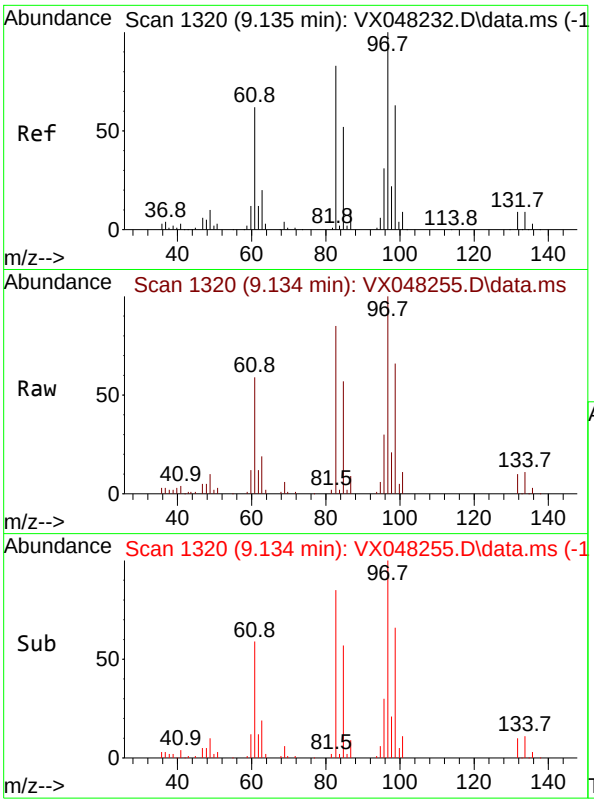


#54
cis-1,3-Dichloropropene
Concen: 18.810 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 50705

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.9	37.3
39	48.1	42.6	64.0

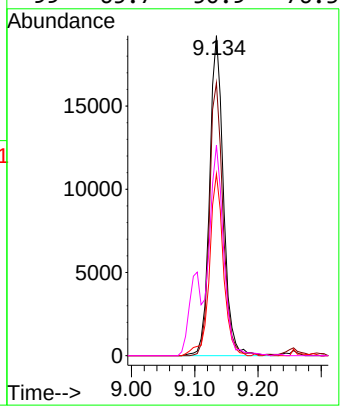




#55
1,1,2-Trichloroethane
Concen: 19.140 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 97 Resp: 2931

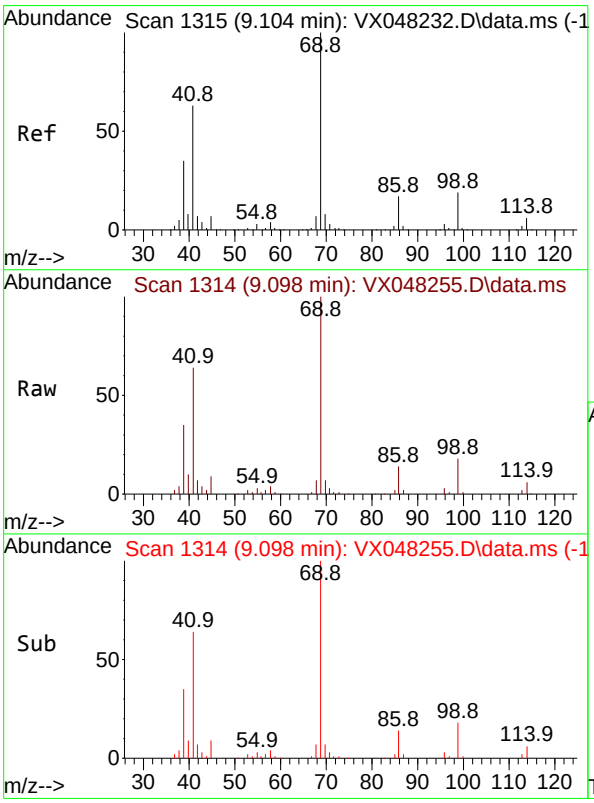
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.6	105.8
85	56.8	45.0	67.6
99	65.7	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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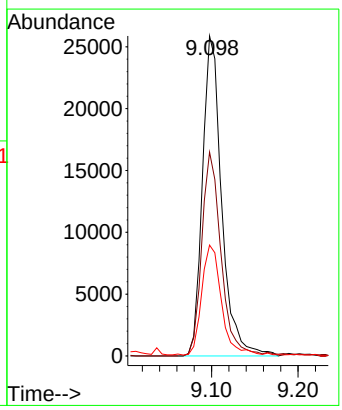
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

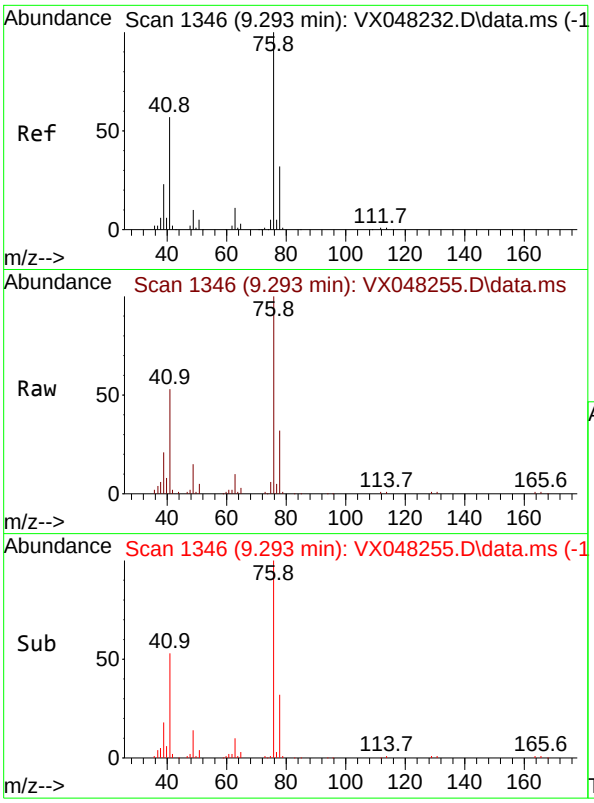


#56
Ethyl methacrylate
Concen: 17.852 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 69 Resp: 39990

Ion	Ratio	Lower	Upper
69	100		
41	64.4	56.0	84.0
39	35.4	31.6	47.4

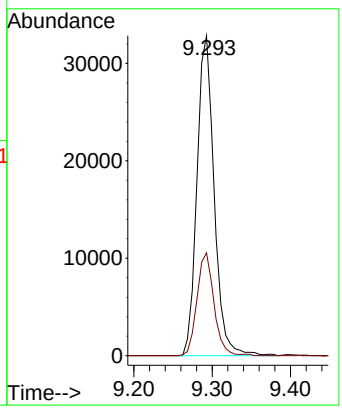




#57
1,3-Dichloropropane
Concen: 19.160 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 76 Resp: 5012

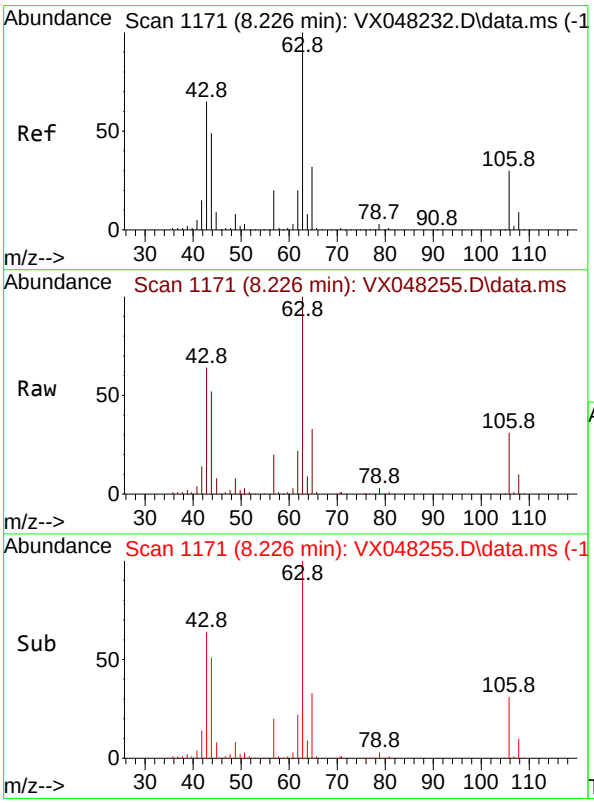
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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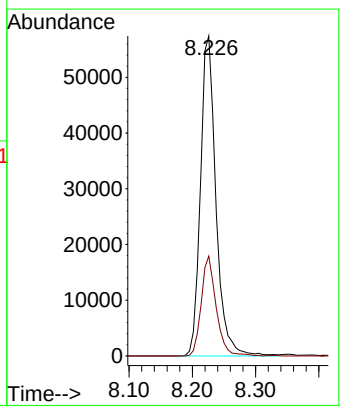
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

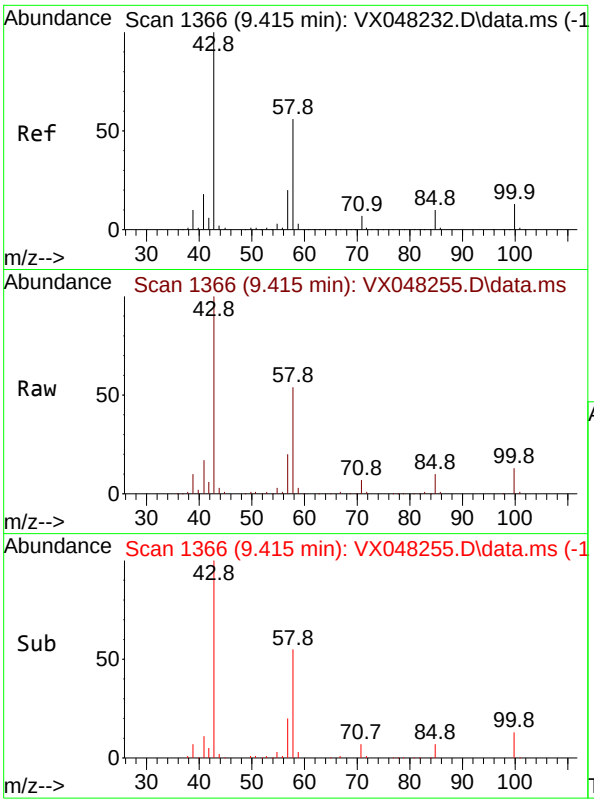


#58
2-Chloroethyl Vinyl ether
Concen: 82.586 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 63 Resp: 98096

Ion	Ratio	Lower	Upper
63	100		
106	30.0	22.2	33.2





#59
2-Hexanone
Concen: 85.909 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

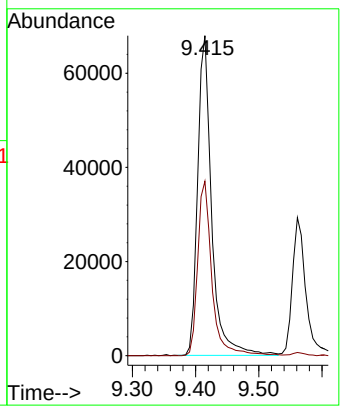
Tgt Ion: 43 Resp: 10499

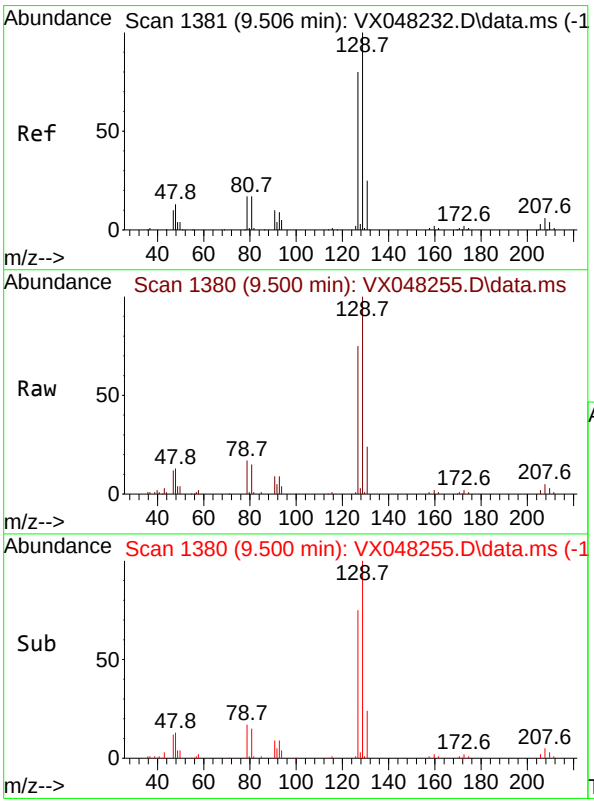
Ion	Ratio	Lower	Upper
43	100		
58	55.3	26.3	78.8

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

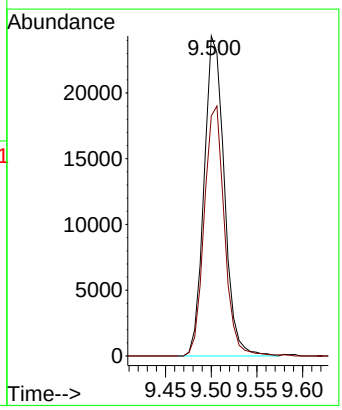


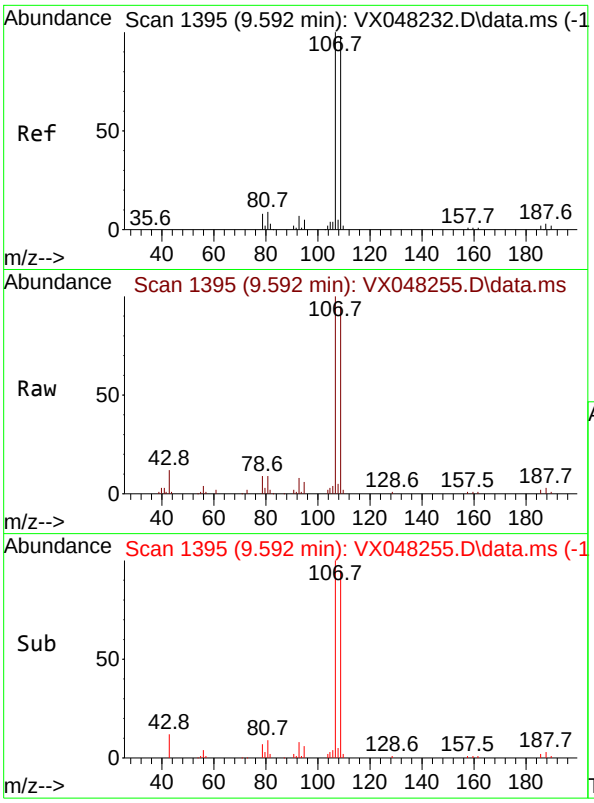


#60
Dibromochloromethane
Concen: 18.114 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:129 Resp: 37288

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.7





#61
1,2-Dibromoethane
Concen: 18.554 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

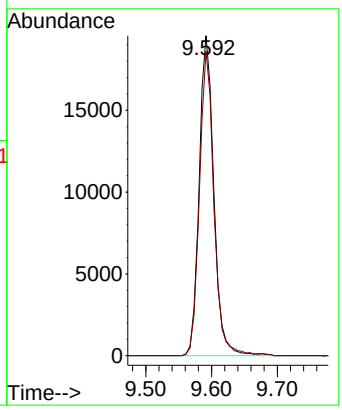
Tgt Ion:107 Resp: 3029

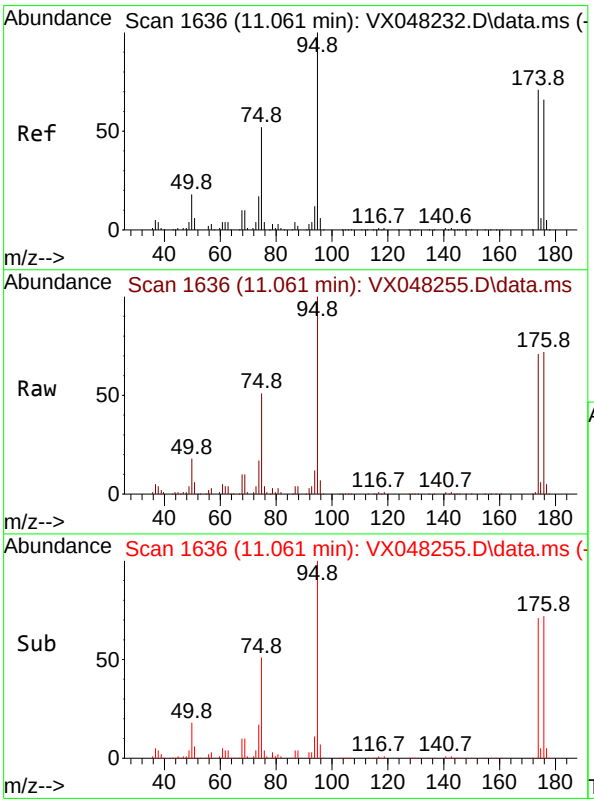
Ion	Ratio	Lower	Upper
107	100		
109	94.2	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

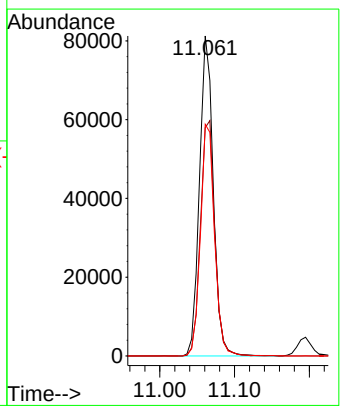


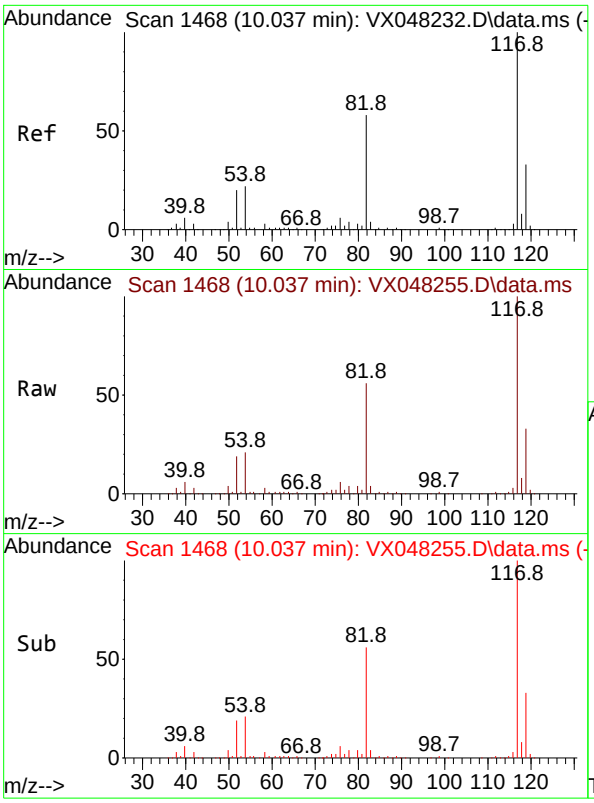


#62
4-Bromofluorobenzene
Concen: 49.702 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 95 Resp: 104113

Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	147.8
176	74.0	0.0	142.8

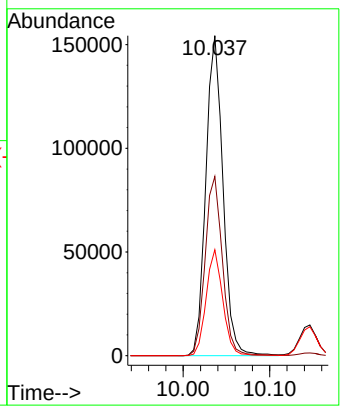




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:117 Resp: 21234

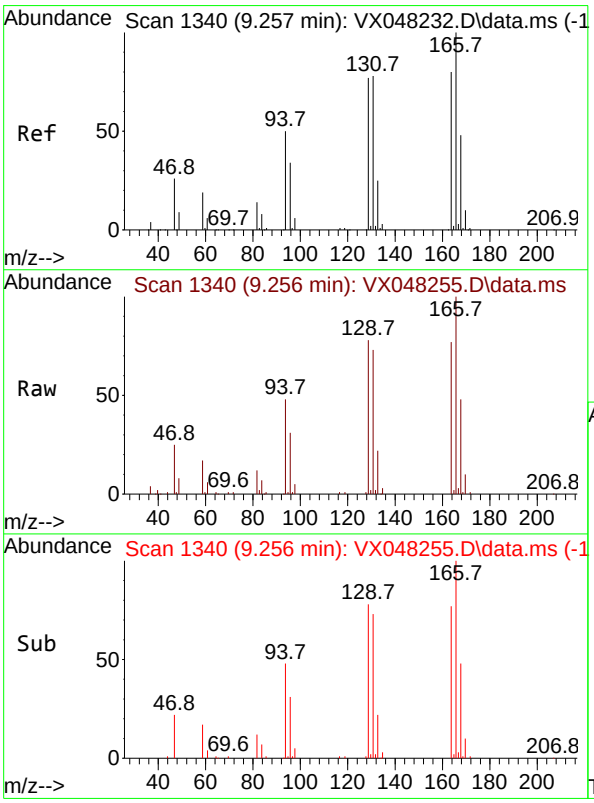
Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.5	69.7
119	33.1	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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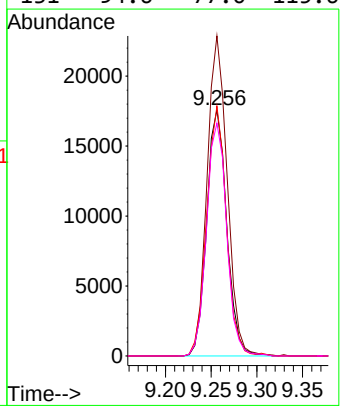
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

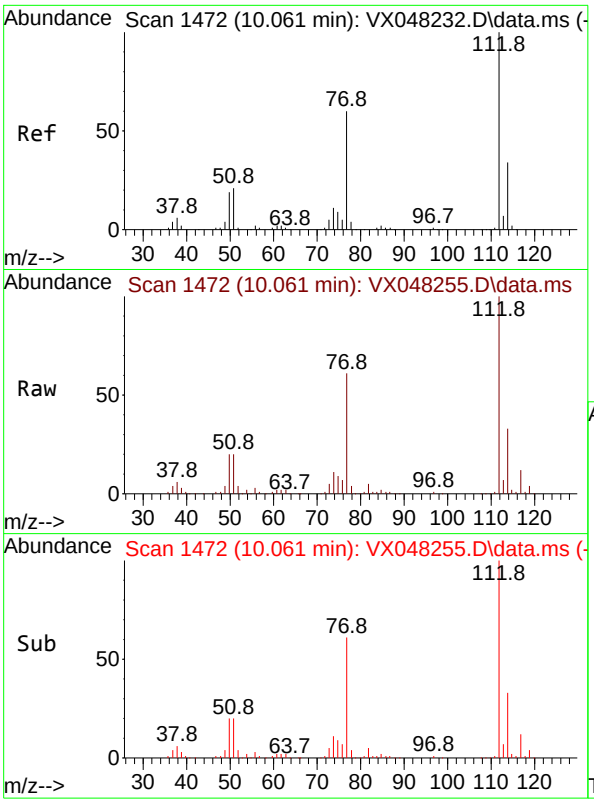


#64
Tetrachloroethene
Concen: 16.909 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:164 Resp: 26804

Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.5	156.7
129	101.5	81.8	122.6
131	94.6	77.0	115.6





#65
Chlorobenzene
Concen: 17.974 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

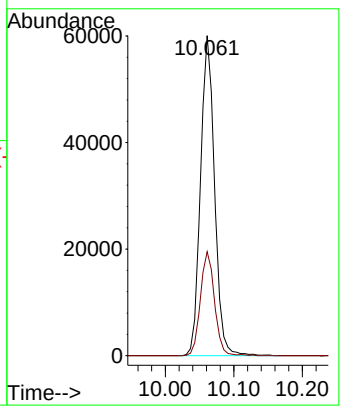
Tgt Ion:112 Resp: 8585

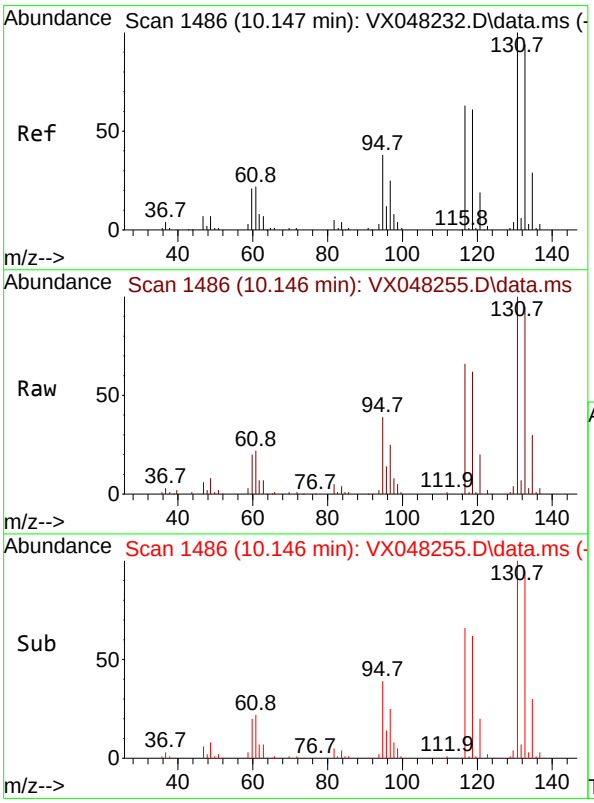
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.2	39.2

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

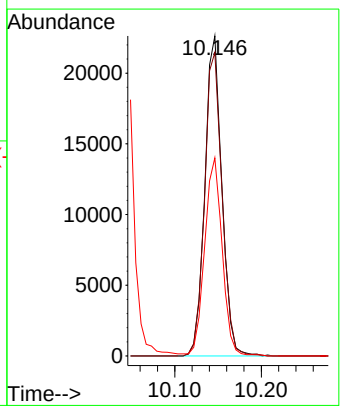


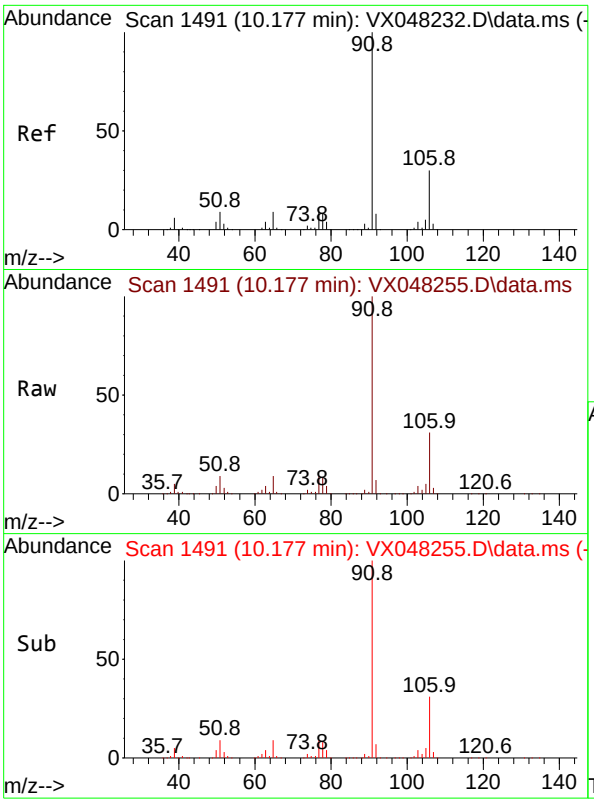


#66
1,1,1,2-Tetrachloroethane
Concen: 17.566 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:131 Resp: 30819

Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.6	142.8
119	63.9	32.5	97.5





#67
Ethyl Benzene
Concen: 17.824 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

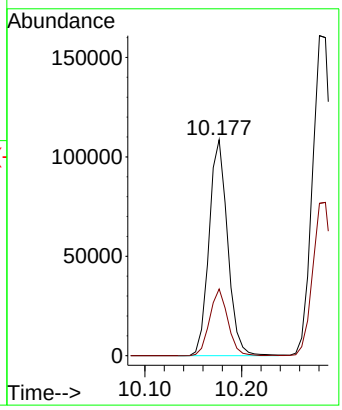
Tgt Ion: 91 Resp: 14495

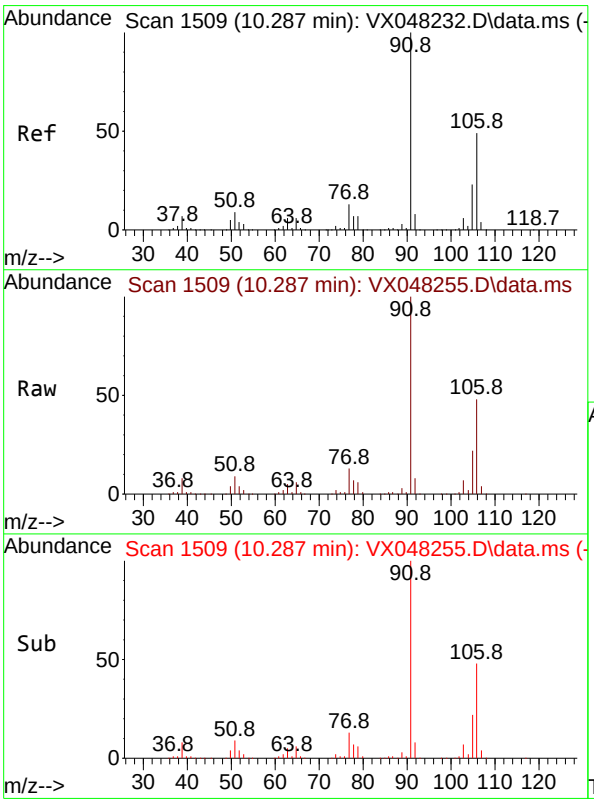
Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

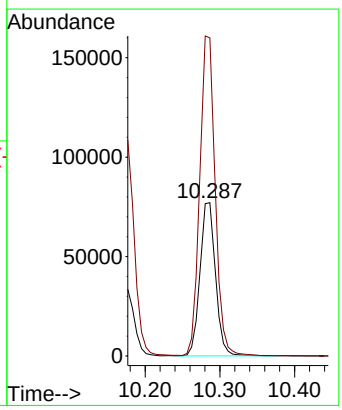


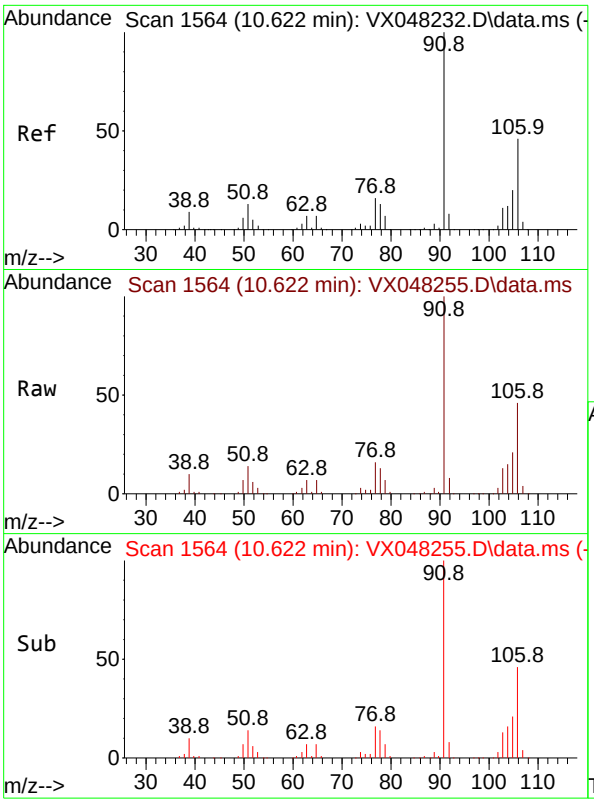


#68
m/p-Xylenes
Concen: 36.763 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:106 Resp: 111086

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.9	251.9





#69
o-Xylene
Concen: 18.060 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

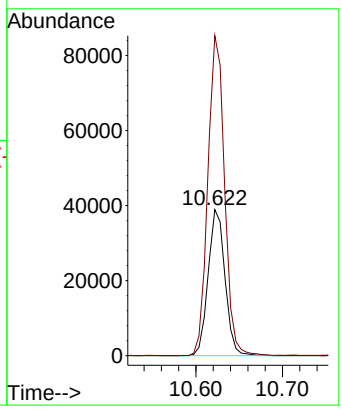
Tgt Ion:106 Resp: 5268

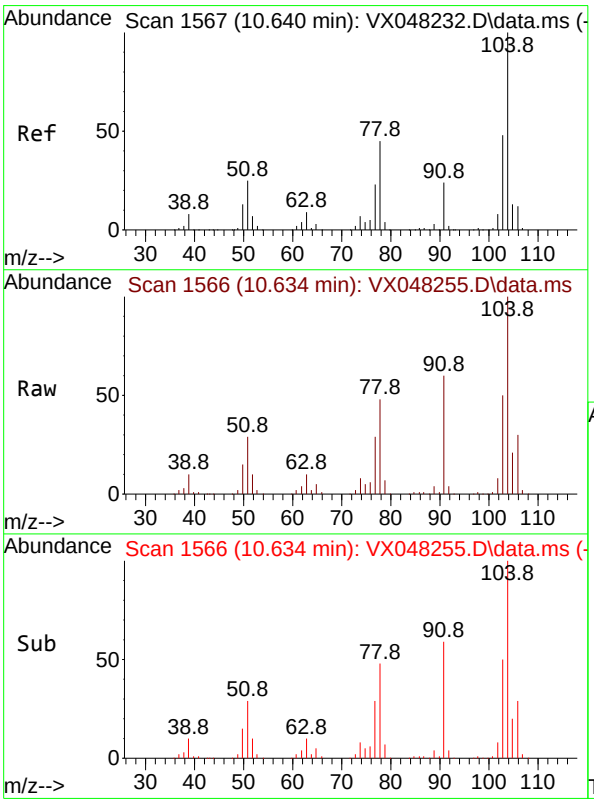
Ion	Ratio	Lower	Upper
106	100		
91	217.5	111.3	333.9

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

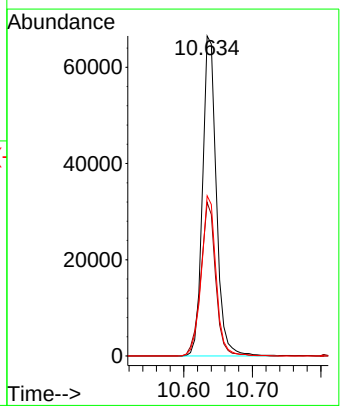


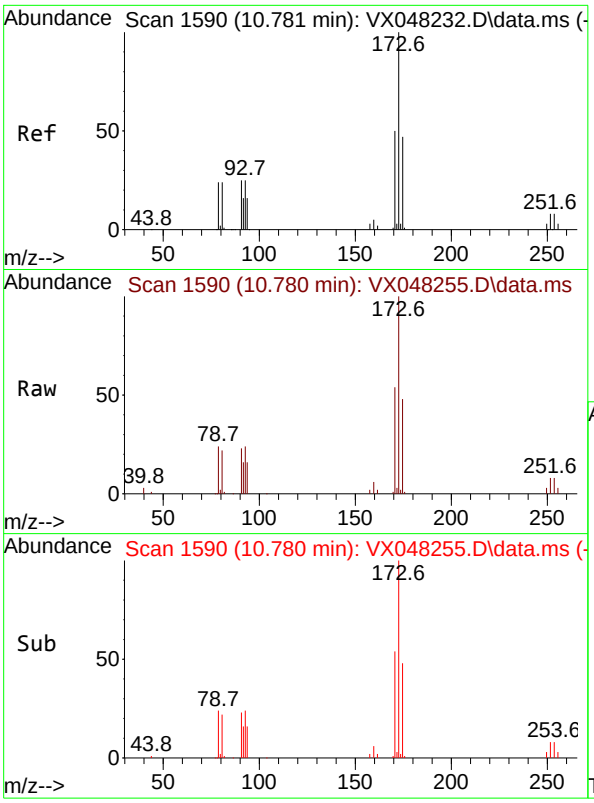


#70
Styrene
Concen: 18.838 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:104 Resp: 93575

Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.2	63.4
103	53.3	43.0	64.4

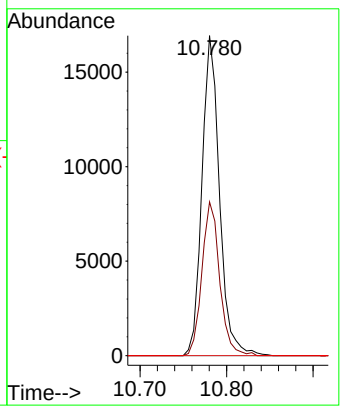




#71
Bromoform
Concen: 16.952 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:173 Resp: 2377

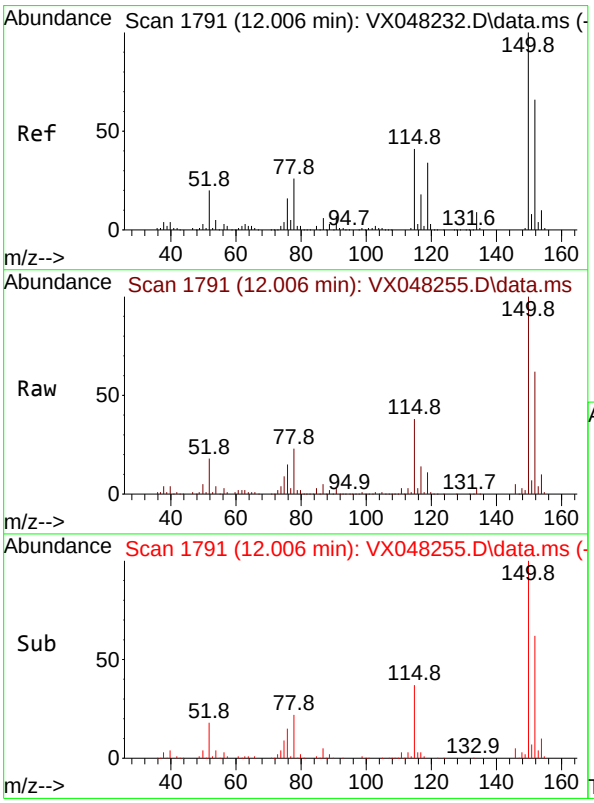
Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.0	72.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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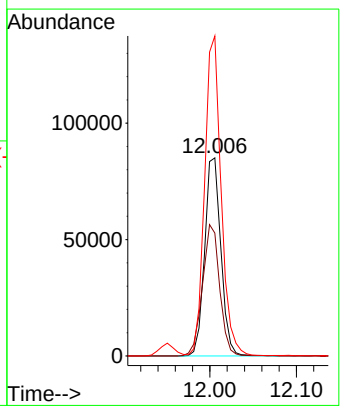
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

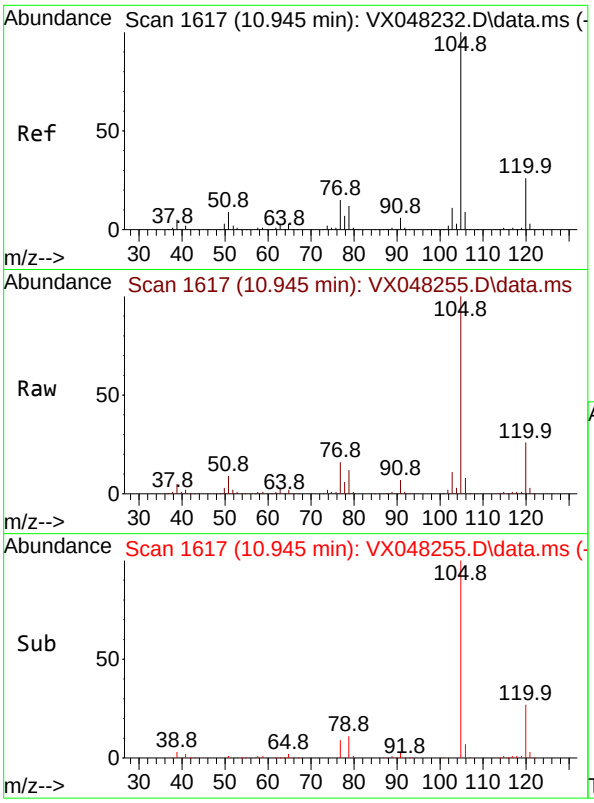


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:152 Resp: 110789

Ion	Ratio	Lower	Upper
152	100		
115	70.2	43.1	129.4
150	163.8	0.0	353.0

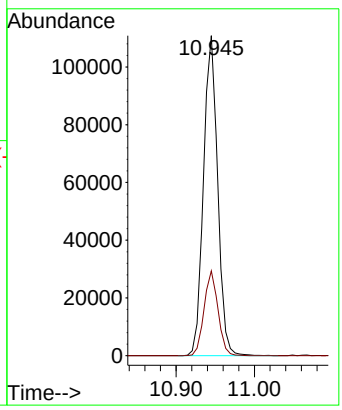




#73
Isopropylbenzene
Concen: 17.144 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:105 Resp: 13872

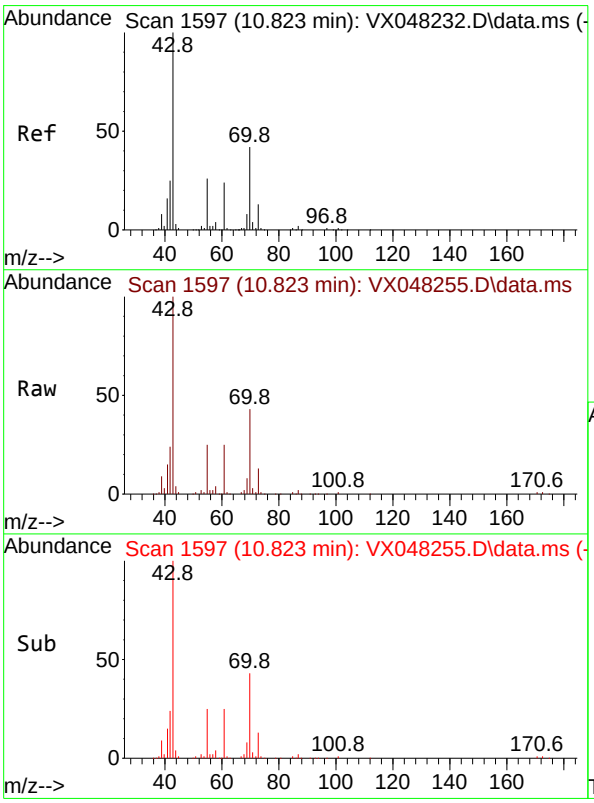
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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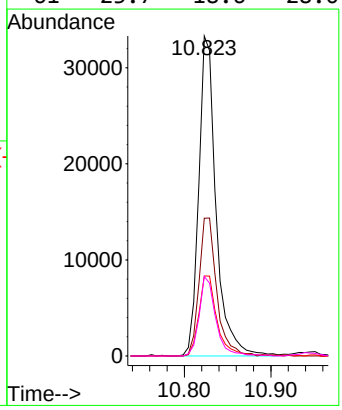
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

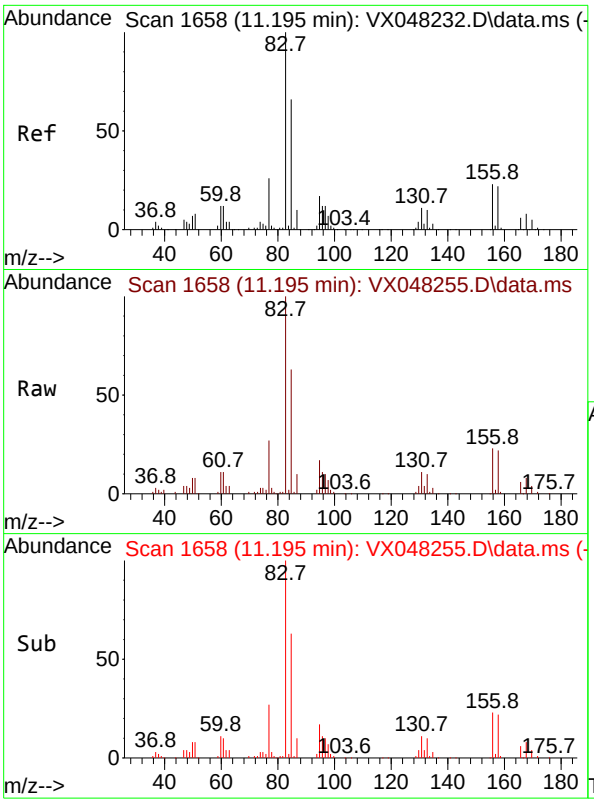


#74
N-amyl acetate
Concen: 16.144 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 43 Resp: 46339

Ion	Ratio	Lower	Upper
43	100		
70	43.9	32.2	48.2
55	26.2	19.1	28.7
61	23.7	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 17.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

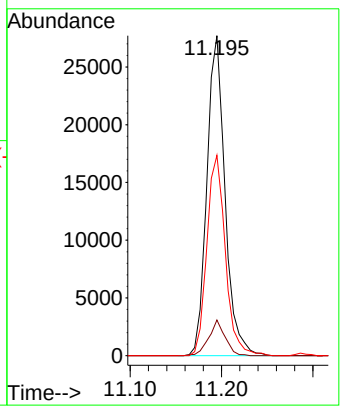
Tgt Ion: 83 Resp: 3812

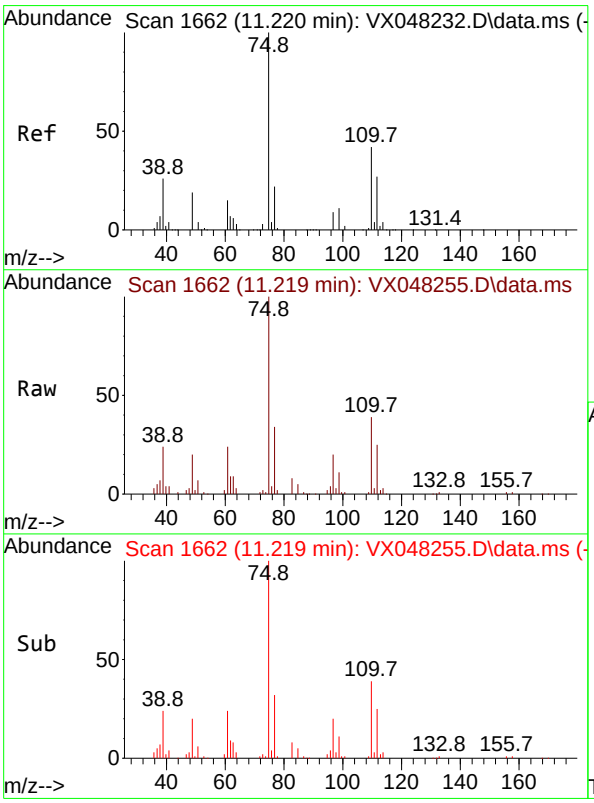
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.8	14.4
85	63.9	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

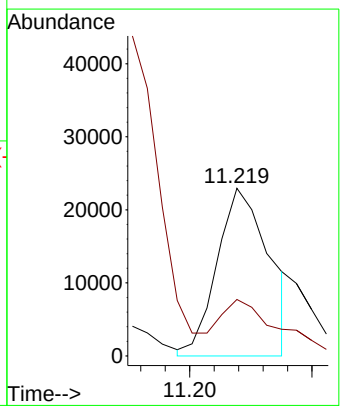


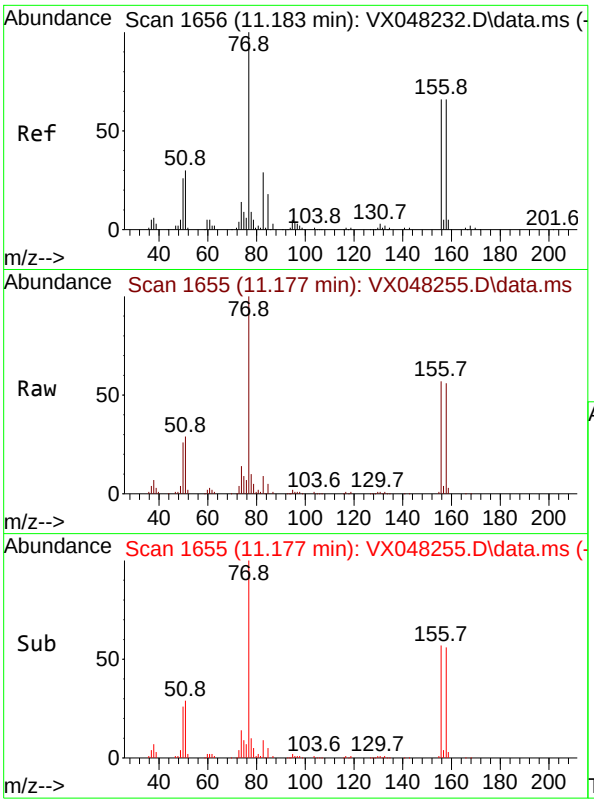


#76
1,2,3-Trichloropropane
Concen: 18.905 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 33965

Ion	Ratio	Lower	Upper
75	100		
77	37.7	22.4	67.2

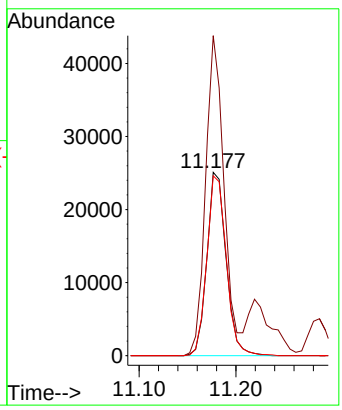




#77
Bromobenzene
Concen: 17.087 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:156 Resp: 3466

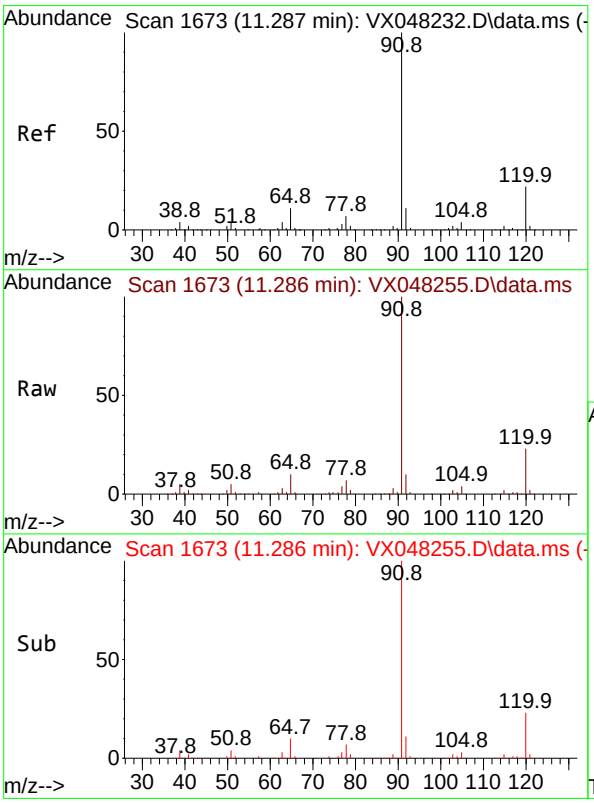
Ion	Ratio	Lower	Upper
156	100		
77	164.6	87.0	261.0
158	99.9	47.8	143.4



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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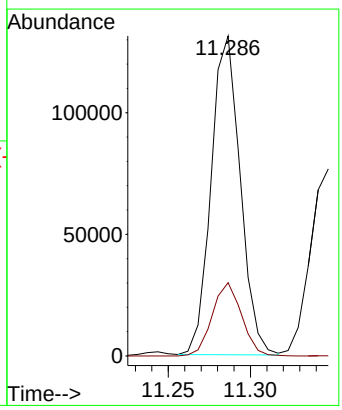
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

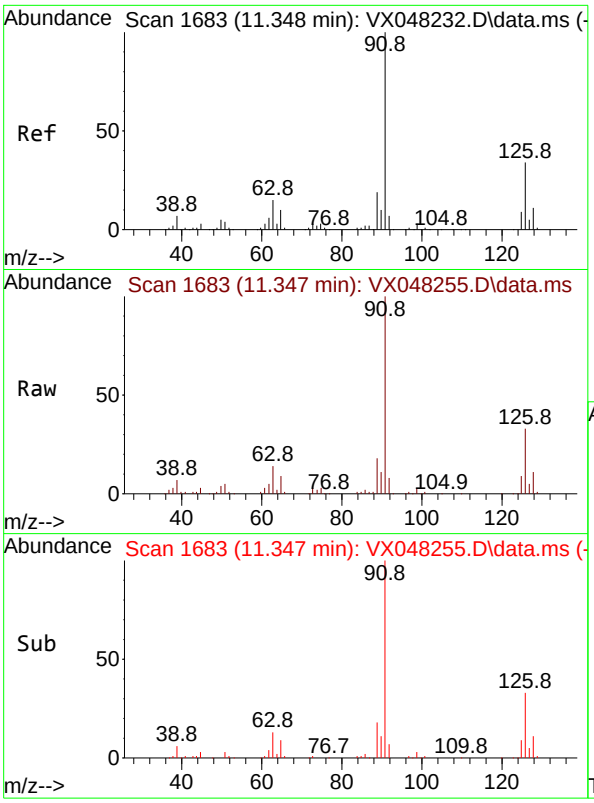


#78
n-propylbenzene
Concen: 17.266 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 91 Resp: 161765

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.1	33.1





#79
2-Chlorotoluene
Concen: 17.293 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

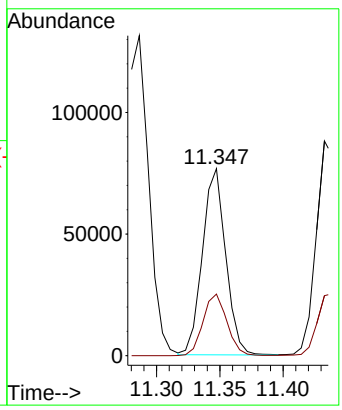
Tgt Ion: 91 Resp: 9823

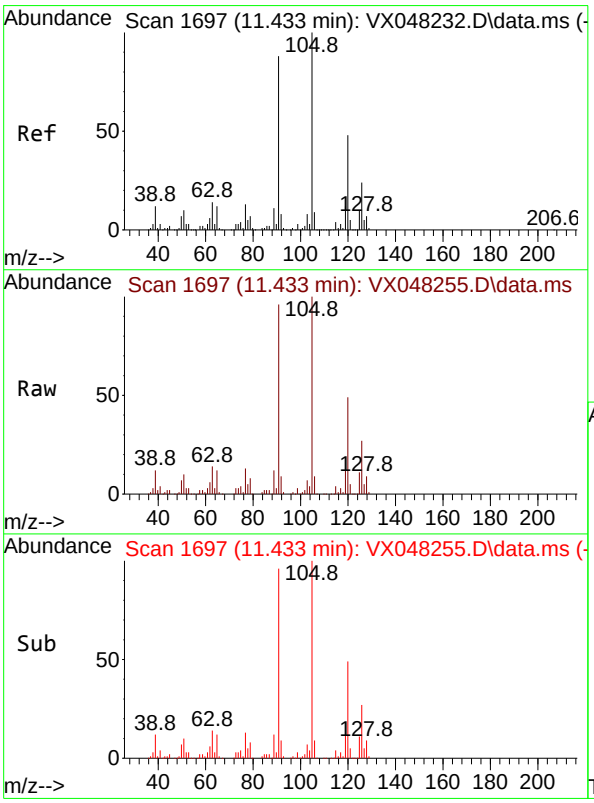
Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

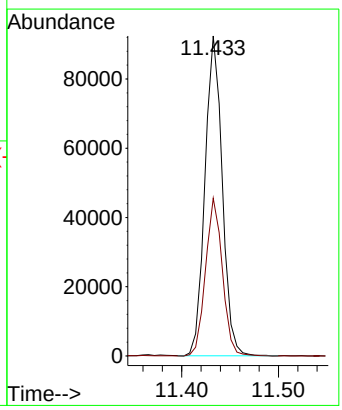


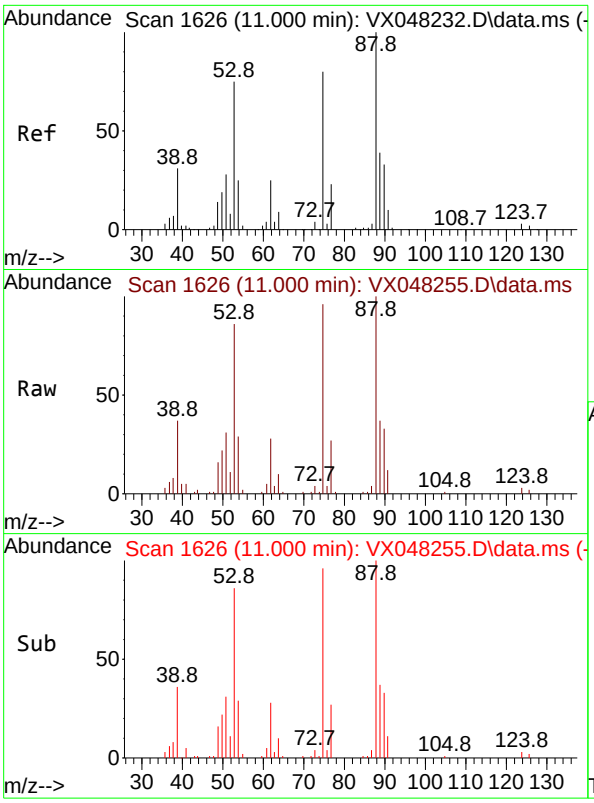


#80
1,3,5-Trimethylbenzene
Concen: 17.137 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:105 Resp: 114762

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 16.530 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

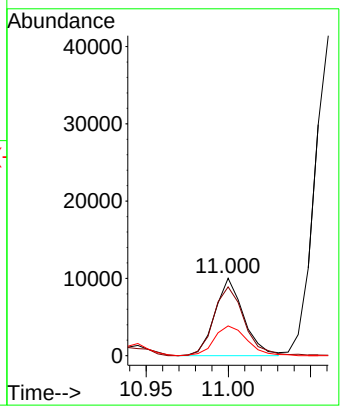
Tgt Ion: 75 Resp: 1220

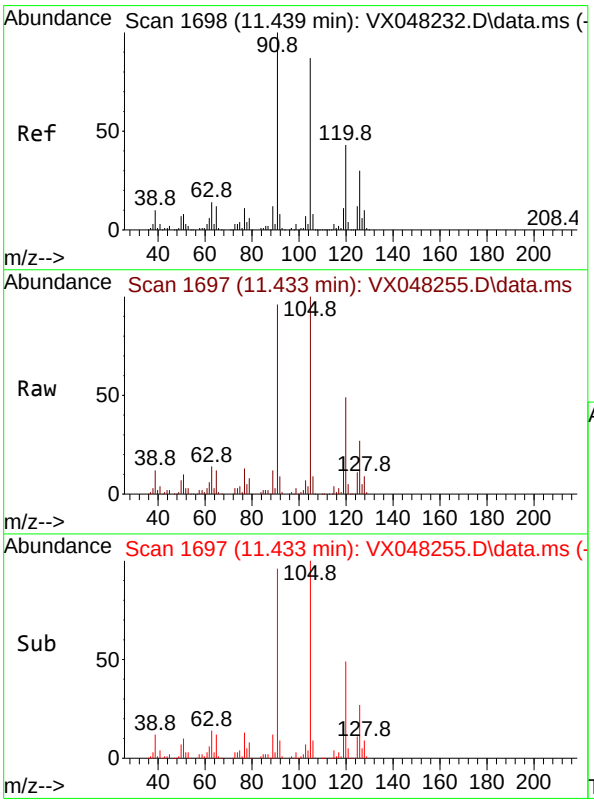
Ion	Ratio	Lower	Upper
75	100		
53	95.6	79.5	119.3
89	43.7	36.8	55.2

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

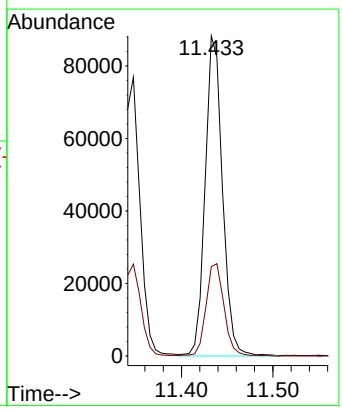


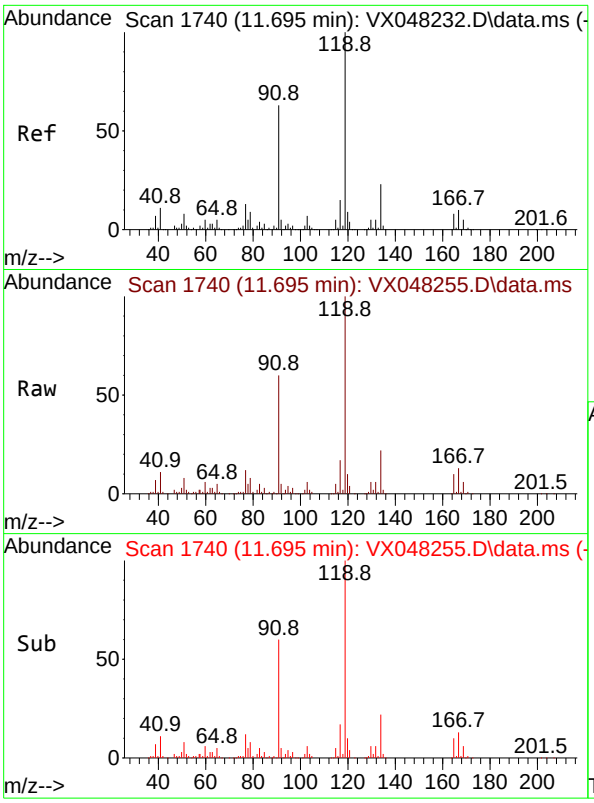


#82
4-Chlorotoluene
Concen: 17.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 91 Resp: 115993

Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.1	42.4

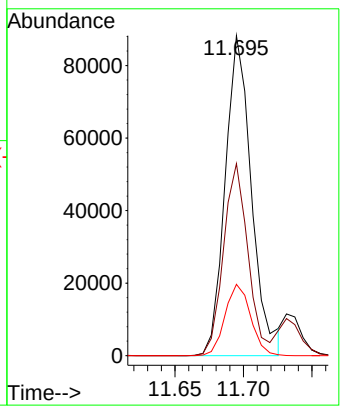




#83
tert-Butylbenzene
Concen: 17.108 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:119 Resp: 11771

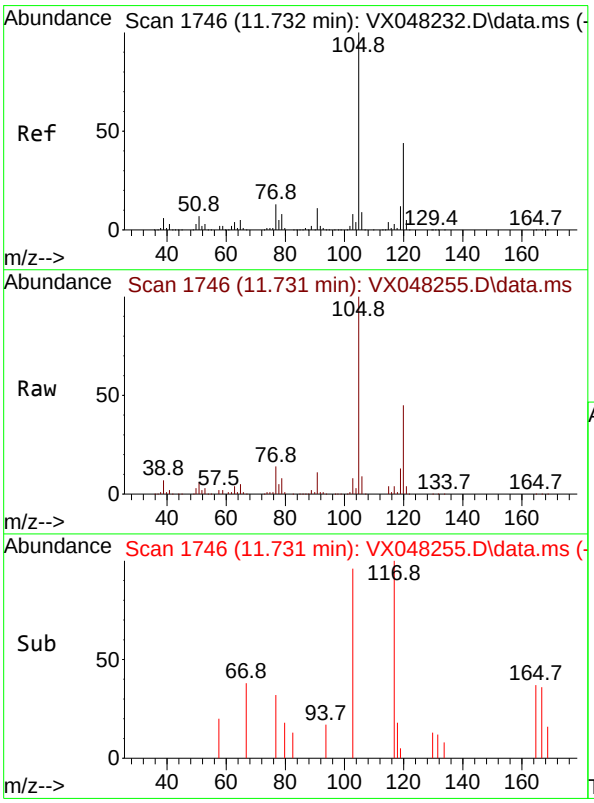
Ion	Ratio	Lower	Upper
119	100		
91	56.3	30.3	91.0
134	21.8	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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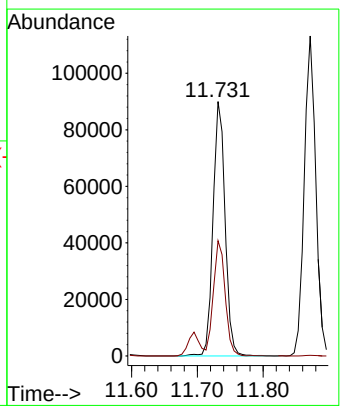
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

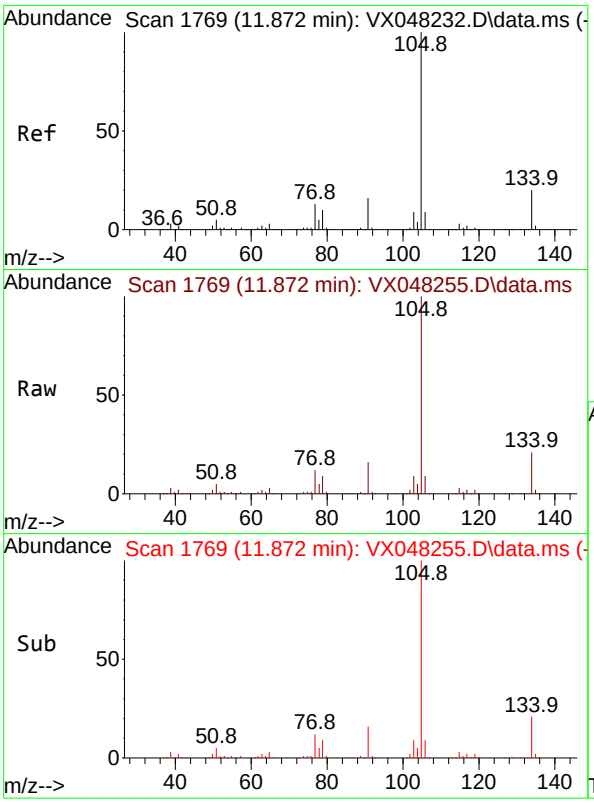


#84
1,2,4-Trimethylbenzene
Concen: 17.197 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:105 Resp: 114927

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5

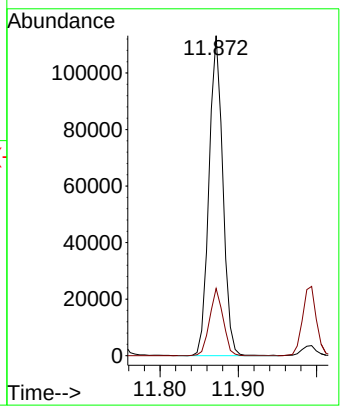




#85
sec-Butylbenzene
Concen: 16.712 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:105 Resp: 13834

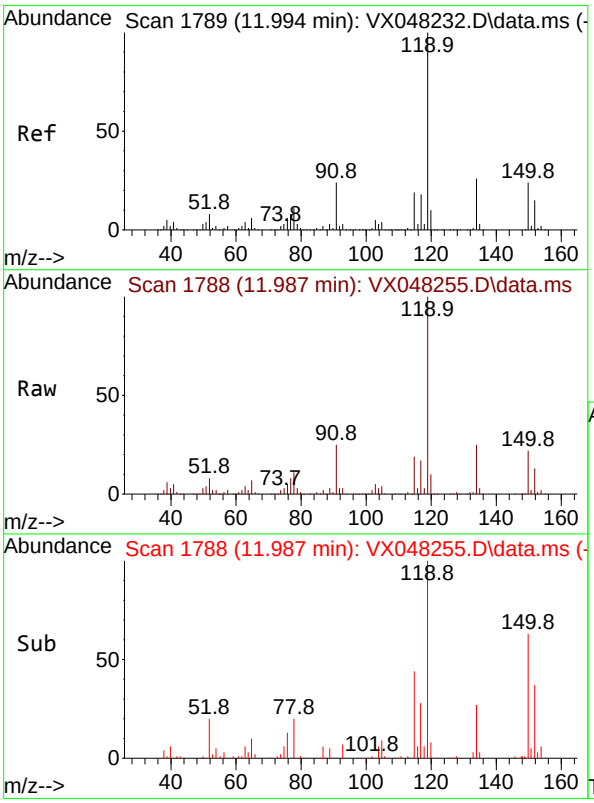
Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

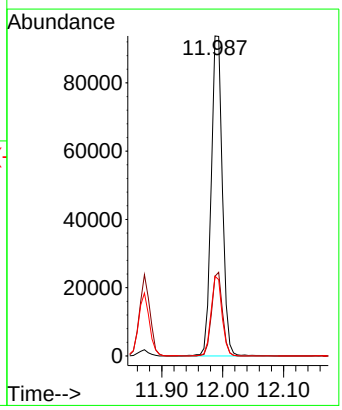
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

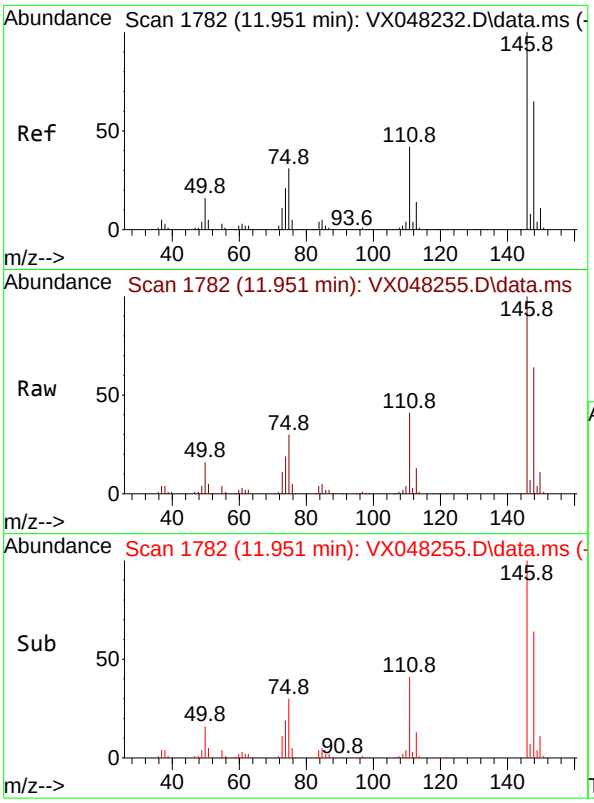


#86
p-Isopropyltoluene
Concen: 16.665 ug/l
RT: 11.987 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:119 Resp: 119237

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.0	39.0
91	24.6	12.1	36.3

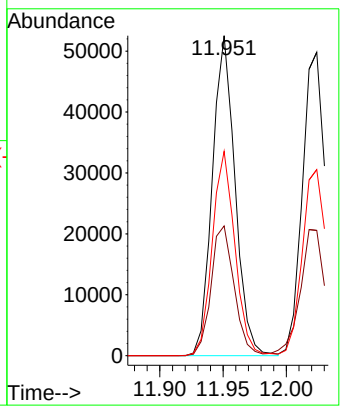




#87
1,3-Dichlorobenzene
Concen: 17.154 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:146 Resp: 6561

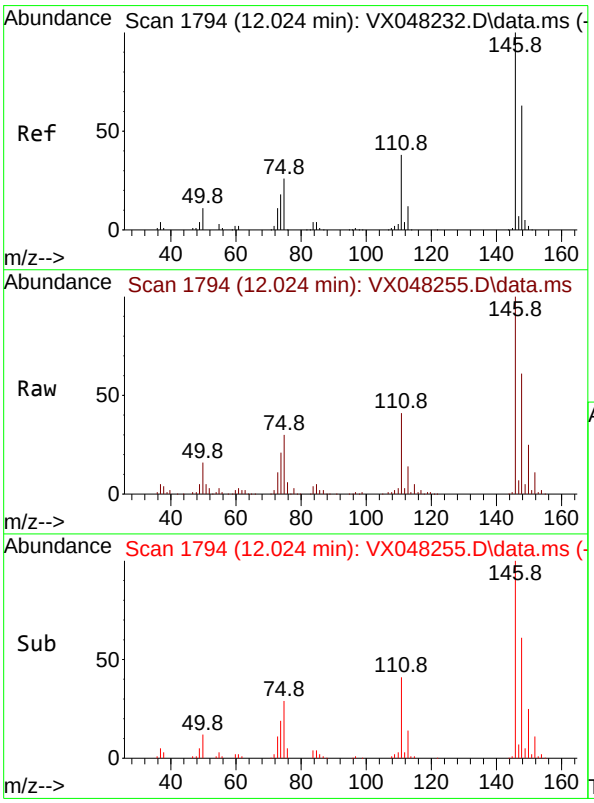
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.2
148	63.6	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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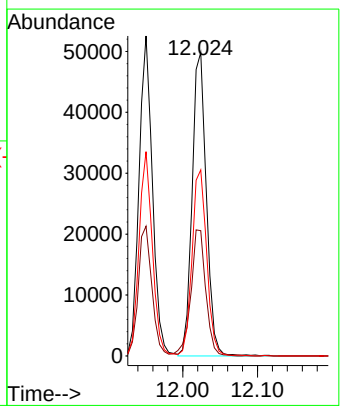
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

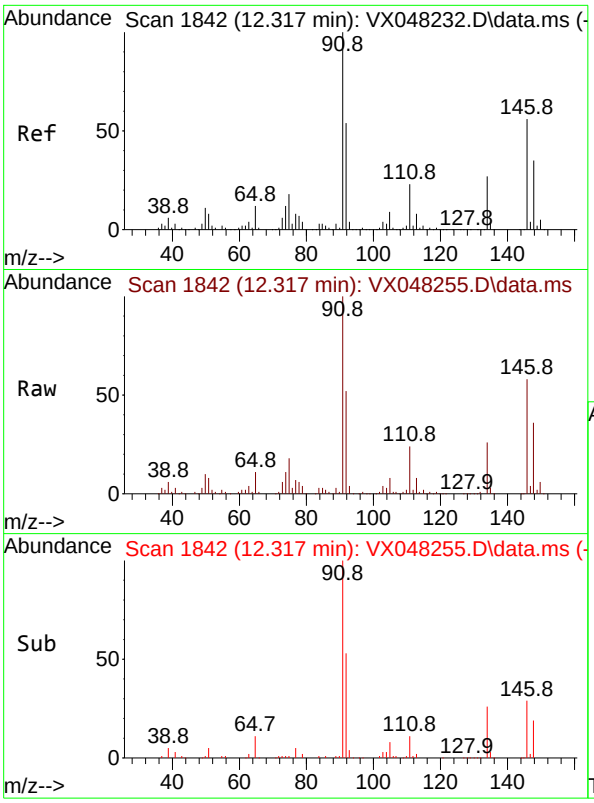


#88
1,4-Dichlorobenzene
Concen: 16.604 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:146 Resp: 65796

Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.1	60.2
148	63.3	31.8	95.3

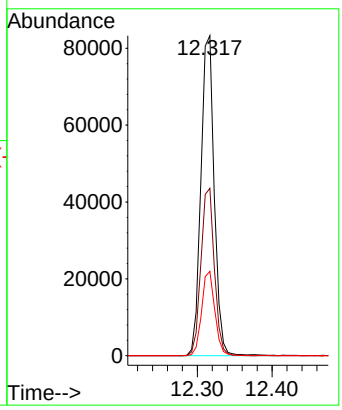




#89
n-Butylbenzene
Concen: 15.875 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 91 Resp: 10338

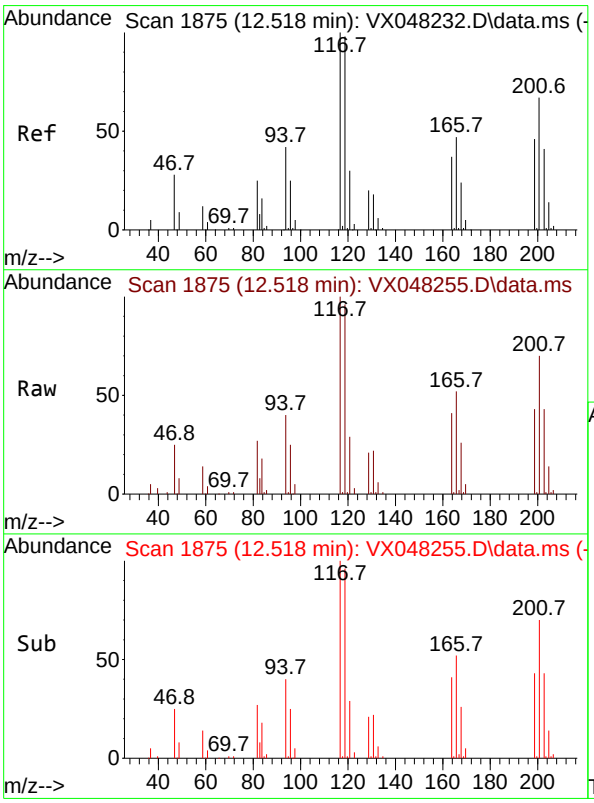
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.9	80.6
134	26.0	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
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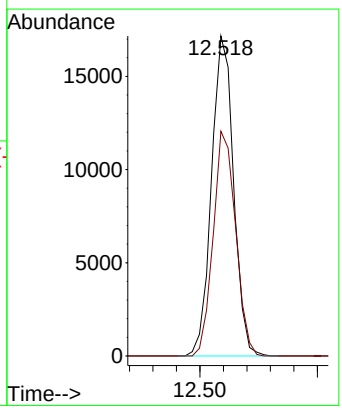
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

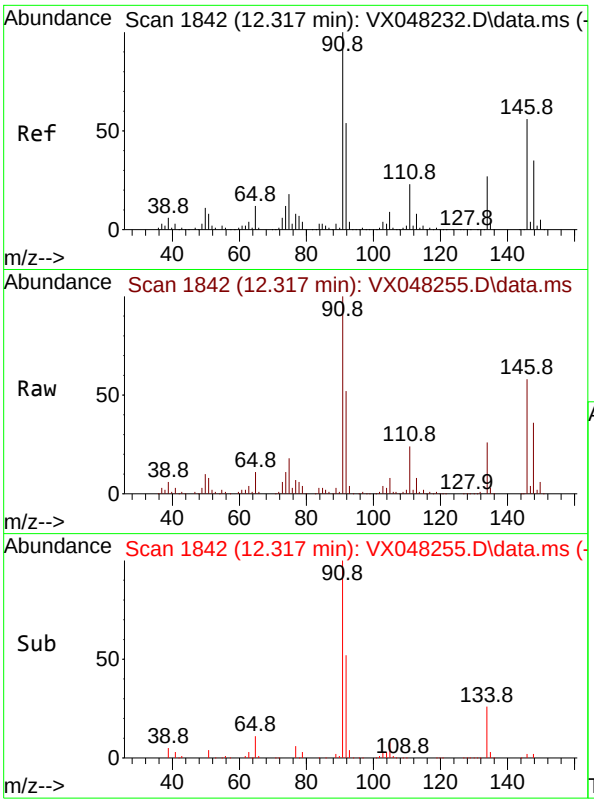


#90
Hexachloroethane
Concen: 15.825 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:117 Resp: 22360

Ion	Ratio	Lower	Upper
117	100		
201	71.4	34.1	102.2

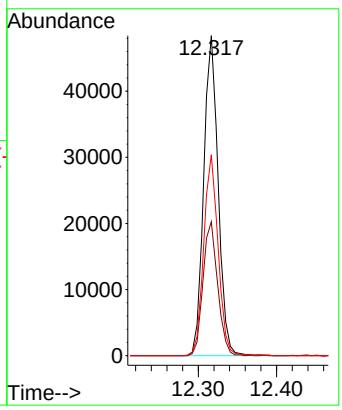




#91
1,2-Dichlorobenzene
Concen: 17.219 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:146 Resp: 6183

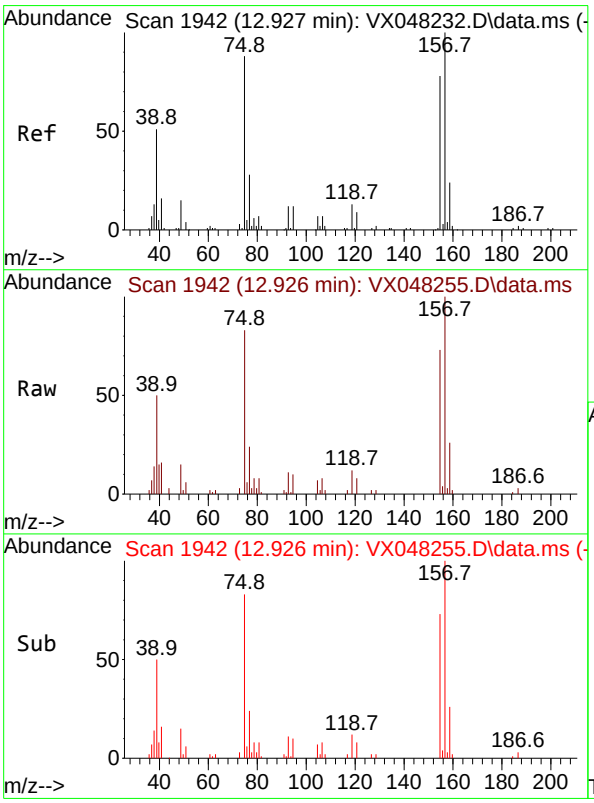
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.9	65.5
148	62.5	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

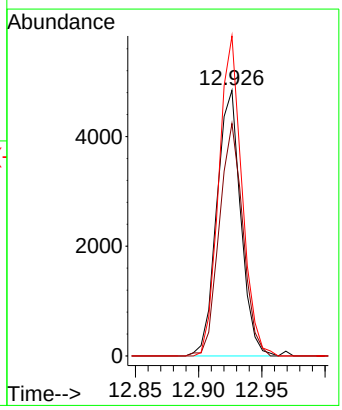
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

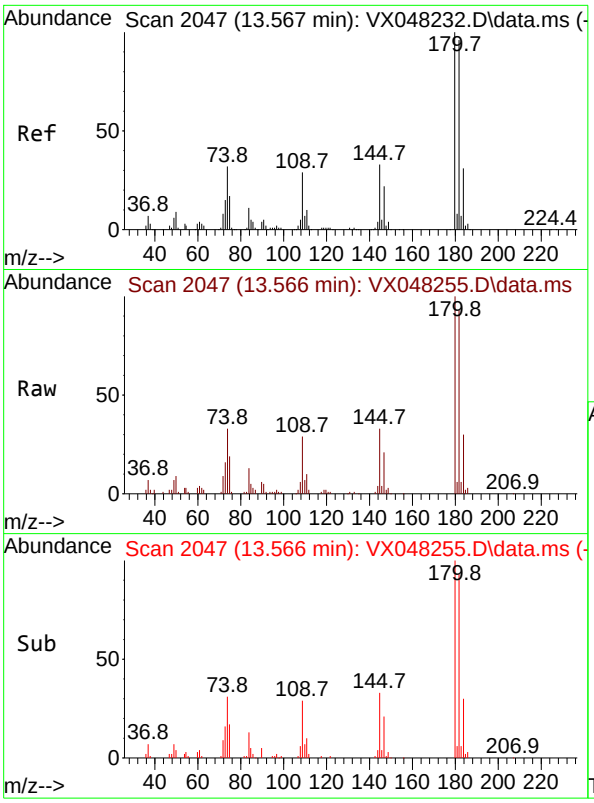


#92
1,2-Dibromo-3-Chloropropane
Concen: 14.205 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion: 75 Resp: 6372

Ion	Ratio	Lower	Upper
75	100		
155	86.2	42.8	128.4
157	116.0	54.2	162.6

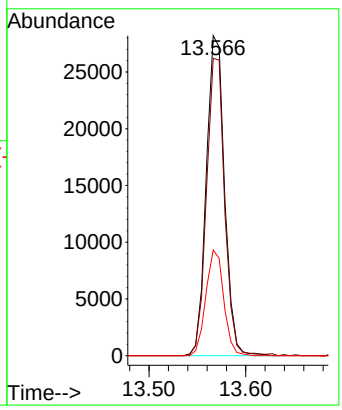




#93
1,2,4-Trichlorobenzene
Concen: 15.216 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:180 Resp: 3695

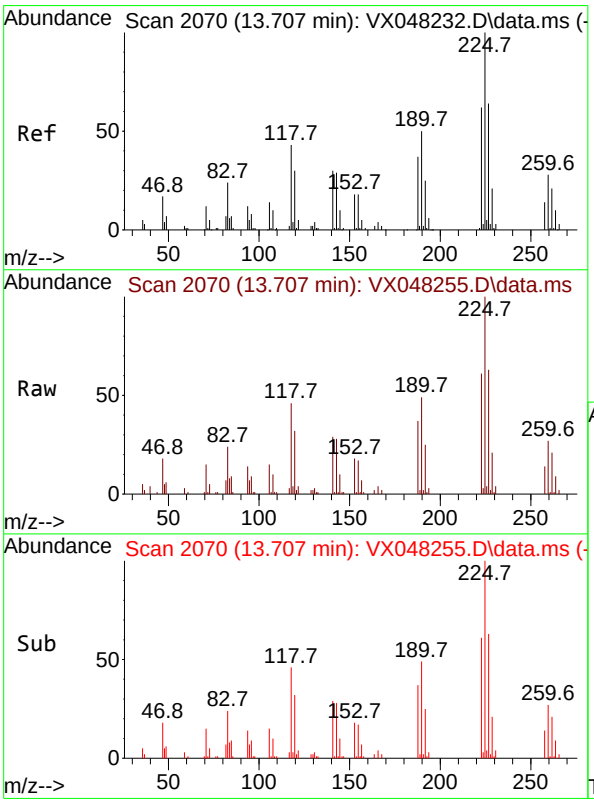
Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.3	142.0
145	32.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

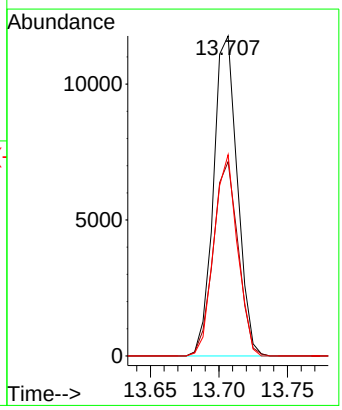
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

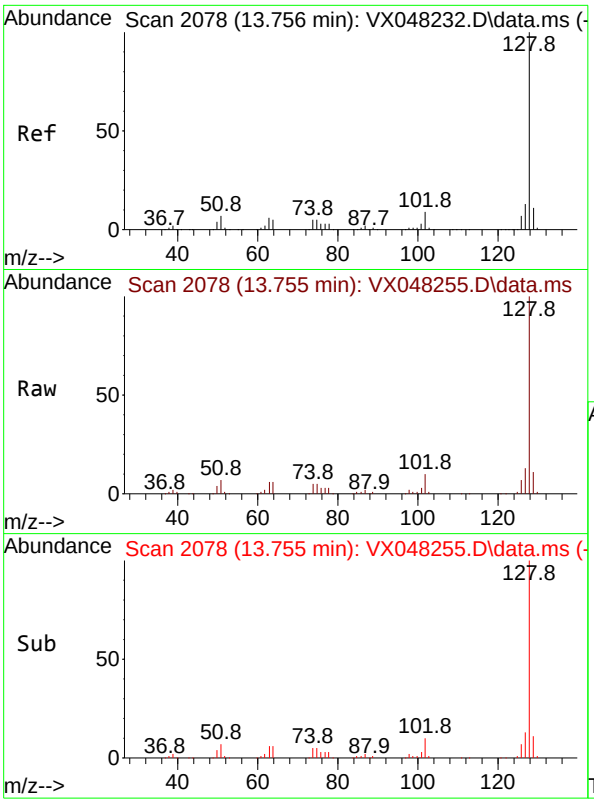


#94
Hexachlorobutadiene
Concen: 15.707 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:225 Resp: 14253

Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.6	97.7
227	62.2	32.5	97.4

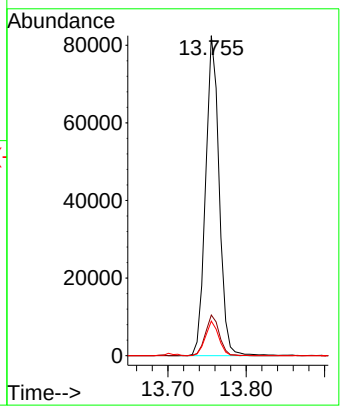




#95
Naphthalene
Concen: 15.345 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:128 Resp: 9873

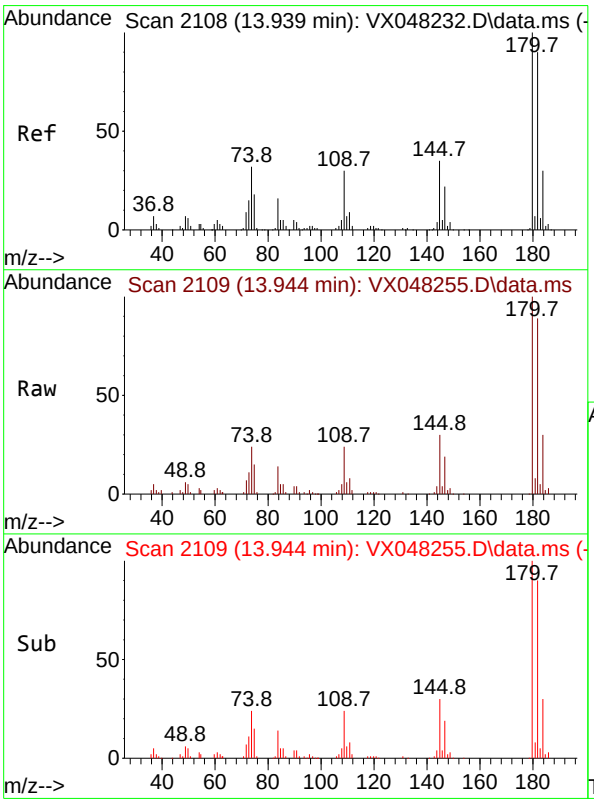
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Manual Integrations
APPROVED

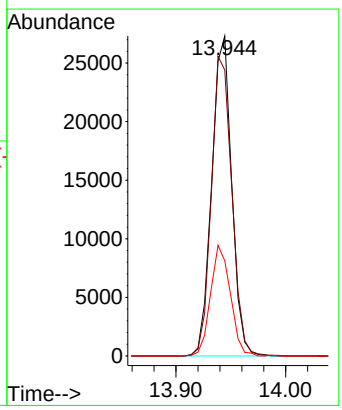
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 15.454 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048255.D
Acq: 21 Oct 2025 10:06

Tgt Ion:180 Resp: 34440

Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.6	139.7
145	34.4	16.9	50.7



Raw Data: **VY023523.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1021SBS01	SDG No.:	Q3376
Lab Sample ID:	VY1021SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	20.3		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
74-87-3	Chloromethane	19.5		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
75-01-4	Vinyl Chloride	20.2		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
74-83-9	Bromomethane	21.5		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
75-00-3	Chloroethane	21.2		1	1.30	5.00	ug/Kg	10/21/25 10:04	VY102125
75-69-4	Trichlorofluoromethane	20.4		1	1.20	5.00	ug/Kg	10/21/25 10:04	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
75-35-4	1,1-Dichloroethene	20.2		1	1.00	5.00	ug/Kg	10/21/25 10:04	VY102125
67-64-1	Acetone	120		1	4.70	25.0	ug/Kg	10/21/25 10:04	VY102125
75-15-0	Carbon Disulfide	20.2		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
1634-04-4	Methyl tert-butyl Ether	18.0		1	0.73	5.00	ug/Kg	10/21/25 10:04	VY102125
79-20-9	Methyl Acetate	15.9		1	1.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-09-2	Methylene Chloride	19.0		1	3.50	10.0	ug/Kg	10/21/25 10:04	VY102125
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	5.00	ug/Kg	10/21/25 10:04	VY102125
75-34-3	1,1-Dichloroethane	20.5		1	0.80	5.00	ug/Kg	10/21/25 10:04	VY102125
110-82-7	Cyclohexane	18.8		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
78-93-3	2-Butanone	100		1	6.50	25.0	ug/Kg	10/21/25 10:04	VY102125
56-23-5	Carbon Tetrachloride	21.7		1	0.97	5.00	ug/Kg	10/21/25 10:04	VY102125
156-59-2	cis-1,2-Dichloroethene	20.7		1	0.75	5.00	ug/Kg	10/21/25 10:04	VY102125
74-97-5	Bromochloromethane	19.7		1	1.20	5.00	ug/Kg	10/21/25 10:04	VY102125
67-66-3	Chloroform	21.5		1	0.84	5.00	ug/Kg	10/21/25 10:04	VY102125
71-55-6	1,1,1-Trichloroethane	21.1		1	0.93	5.00	ug/Kg	10/21/25 10:04	VY102125
108-87-2	Methylcyclohexane	19.8		1	0.91	5.00	ug/Kg	10/21/25 10:04	VY102125
71-43-2	Benzene	21.6		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
107-06-2	1,2-Dichloroethane	20.0		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/21/25 10:04	VY102125
78-87-5	1,2-Dichloropropane	21.5		1	0.91	5.00	ug/Kg	10/21/25 10:04	VY102125
75-27-4	Bromodichloromethane	21.3		1	0.78	5.00	ug/Kg	10/21/25 10:04	VY102125
108-10-1	4-Methyl-2-Pentanone	86.7		1	3.60	25.0	ug/Kg	10/21/25 10:04	VY102125
108-88-3	Toluene	21.9		1	0.78	5.00	ug/Kg	10/21/25 10:04	VY102125
10061-02-6	t-1,3-Dichloropropene	19.9		1	0.65	5.00	ug/Kg	10/21/25 10:04	VY102125
10061-01-5	cis-1,3-Dichloropropene	20.8		1	0.62	5.00	ug/Kg	10/21/25 10:04	VY102125
79-00-5	1,1,2-Trichloroethane	21.0		1	0.92	5.00	ug/Kg	10/21/25 10:04	VY102125
591-78-6	2-Hexanone	95.9		1	3.70	25.0	ug/Kg	10/21/25 10:04	VY102125
124-48-1	Dibromochloromethane	20.8		1	0.87	5.00	ug/Kg	10/21/25 10:04	VY102125
106-93-4	1,2-Dibromoethane	20.1		1	0.88	5.00	ug/Kg	10/21/25 10:04	VY102125
127-18-4	Tetrachloroethene	22.0		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
108-90-7	Chlorobenzene	21.2		1	0.91	5.00	ug/Kg	10/21/25 10:04	VY102125
100-41-4	Ethyl Benzene	21.0		1	0.67	5.00	ug/Kg	10/21/25 10:04	VY102125
179601-23-1	m/p-Xylenes	43.1		1	1.20	10.0	ug/Kg	10/21/25 10:04	VY102125
95-47-6	o-Xylene	20.6		1	0.82	5.00	ug/Kg	10/21/25 10:04	VY102125
100-42-5	Styrene	21.0		1	0.71	5.00	ug/Kg	10/21/25 10:04	VY102125
75-25-2	Bromoform	19.5		1	0.86	5.00	ug/Kg	10/21/25 10:04	VY102125

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1021SBS01	SDG No.:	Q3376
Lab Sample ID:	VY1021SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.3		1	0.78	5.00	ug/Kg	10/21/25 10:04	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1	1.20	5.00	ug/Kg	10/21/25 10:04	VY102125
541-73-1	1,3-Dichlorobenzene	20.7		1	1.70	5.00	ug/Kg	10/21/25 10:04	VY102125
106-46-7	1,4-Dichlorobenzene	20.5		1	1.60	5.00	ug/Kg	10/21/25 10:04	VY102125
95-50-1	1,2-Dichlorobenzene	20.5		1	1.50	5.00	ug/Kg	10/21/25 10:04	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	17.0		1	1.80	5.00	ug/Kg	10/21/25 10:04	VY102125
120-82-1	1,2,4-Trichlorobenzene	18.0		1	3.00	5.00	ug/Kg	10/21/25 10:04	VY102125
87-61-6	1,2,3-Trichlorobenzene	18.1		1	3.20	5.00	ug/Kg	10/21/25 10:04	VY102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.9			63 - 155	94%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.9			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	51.3			74 - 123	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.9			17 - 146	100%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	494000							
540-36-3	1,4-Difluorobenzene	713000							
3114-55-4	Chlorobenzene-d5	636000							
3855-82-1	1,4-Dichlorobenzene-d4	341000							

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_Y\Data\VY102125\
Data File : VY023523.D
Acq On : 21 Oct 2025 10:04
Operator : SY/MD
Sample : VY1021SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 01:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	494016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	712868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	635785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	341398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193871	46.930	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.860%			
35) Dibromofluoromethane	7.634	113	222986	50.907	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.820%			
50) Toluene-d8	10.109	98	837402	51.335	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.680%			
62) 4-Bromofluorobenzene	12.408	95	268965	49.942	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	72214	20.308	ug/l	96
3) Chloromethane	2.074	50	94488	19.506	ug/l	99
4) Vinyl Chloride	2.208	62	127704	20.240	ug/l	98
5) Bromomethane	2.592	94	113644	21.464	ug/l	96
6) Chloroethane	2.732	64	91163	21.197	ug/l	99
7) Trichlorofluoromethane	3.056	101	179067	20.441	ug/l	100
8) Diethyl Ether	3.458	74	42637	18.626	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	96083	21.136	ug/l	99
10) Methyl Iodide	4.007	142	95981	18.966	ug/l	100
11) Tert butyl alcohol	4.848	59	34552	112.428	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	89008	20.198	ug/l	95
13) Acrolein	3.653	56	21612	49.768	ug/l	98
14) Allyl chloride	4.385	41	99926	18.606	ug/l	96
15) Acrylonitrile	5.061	53	79043	90.228	ug/l	99
16) Acetone	3.866	43	119380	121.387	ug/l	99
17) Carbon Disulfide	4.110	76	254170	20.152	ug/l	99
18) Methyl Acetate	4.385	43	40953	15.874	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	190637	17.999	ug/l	96
20) Methylene Chloride	4.616	84	101259	19.041	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	101665	20.955	ug/l	97
22) Diisopropyl ether	6.018	45	232353	19.559	ug/l	93
23) Vinyl Acetate	5.964	43	586288	91.178	ug/l	97
24) 1,1-Dichloroethane	5.915	63	161044	20.465	ug/l	99
25) 2-Butanone	6.896	43	122251	101.820	ug/l	96
26) 2,2-Dichloropropane	6.884	77	149940	20.766	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	115907	20.682	ug/l	98
28) Bromochloromethane	7.250	49	57916	19.715	ug/l	93
29) Tetrahydrofuran	7.262	42	54688	80.322	ug/l	97
30) Chloroform	7.421	83	186069	21.521	ug/l	100
31) Cyclohexane	7.701	56	129108	18.787	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	165772	21.099	ug/l	100
36) 1,1-Dichloropropene	7.835	75	122511	21.126	ug/l	99
37) Ethyl Acetate	6.988	43	42544	18.518	ug/l	98
38) Carbon Tetrachloride	7.823	117	152907	21.746	ug/l	99
39) Methylcyclohexane	9.109	83	149816	19.842	ug/l	96
40) Benzene	8.079	78	396525	21.591	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023523.D
Acq On : 21 Oct 2025 10:04
Operator : SY/MD
Sample : VY1021SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 01:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	24936m	20.069	ug/l		
42) 1,2-Dichloroethane	8.158	62	94656	19.985	ug/l		97
43) Isopropyl Acetate	8.201	43	79352	17.322	ug/l		99
44) Trichloroethene	8.865	130	117801	21.916	ug/l		97
45) 1,2-Dichloropropane	9.140	63	87109	21.475	ug/l		100
46) Dibromomethane	9.231	93	52865	20.610	ug/l		98
47) Bromodichloromethane	9.426	83	137492	21.284	ug/l		100
48) Methyl methacrylate	9.219	41	34583	16.069	ug/l		89
49) 1,4-Dioxane	9.231	88	10115	340.128	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	205212	86.702	ug/l		100
52) Toluene	10.170	92	260667	21.861	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	111956	19.932	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	137908	20.802	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	72400	20.990	ug/l		95
56) Ethyl methacrylate	10.438	69	68512	17.220	ug/l		96
57) 1,3-Dichloropropane	10.719	76	110943	20.298	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	161119	90.396	ug/l		100
59) 2-Hexanone	10.761	43	162182	95.882	ug/l		100
60) Dibromochloromethane	10.914	129	100658	20.815	ug/l		99
61) 1,2-Dibromoethane	11.011	107	66140	20.106	ug/l		100
64) Tetrachloroethene	10.646	164	144595	22.026	ug/l		96
65) Chlorobenzene	11.444	112	292874	21.180	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	105517	21.413	ug/l		99
67) Ethyl Benzene	11.517	91	469417	20.972	ug/l		99
68) m/p-Xylenes	11.627	106	386672	43.069	ug/l		98
69) o-Xylene	11.956	106	173158	20.563	ug/l		100
70) Styrene	11.969	104	290368	20.968	ug/l		100
71) Bromoform	12.133	173	59594	19.497	ug/l	#	99
73) Isopropylbenzene	12.255	105	457435	20.332	ug/l		99
74) N-amyl acetate	12.072	43	63675	15.757	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	67088	18.231	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	51352m	17.049	ug/l		
77) Bromobenzene	12.529	156	120941	20.220	ug/l		97
78) n-propylbenzene	12.597	91	544028	20.896	ug/l		100
79) 2-Chlorotoluene	12.682	91	314616	20.636	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	382336	21.030	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	21535	17.532	ug/l		99
82) 4-Chlorotoluene	12.779	91	333366	21.231	ug/l		100
83) tert-Butylbenzene	12.999	119	342878	20.426	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	382715	21.093	ug/l		99
85) sec-Butylbenzene	13.176	105	504696	20.959	ug/l		100
86) p-Isopropyltoluene	13.292	119	427597	20.856	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	241546	20.738	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	236089	20.523	ug/l		98
89) n-Butylbenzene	13.615	91	360818	20.198	ug/l		99
90) Hexachloroethane	13.877	117	93382	21.177	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	209046	20.472	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10278	17.023	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	114772	18.029	ug/l		99
94) Hexachlorobutadiene	15.023	225	80710	20.338	ug/l		97
95) Naphthalene	15.145	128	155957	15.384	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	99805	18.100	ug/l		99

Sample Results: **VY023523.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023523.D
Acq On : 21 Oct 2025 10:04
Operator : SY/MD
Sample : VY1021SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 01:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

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

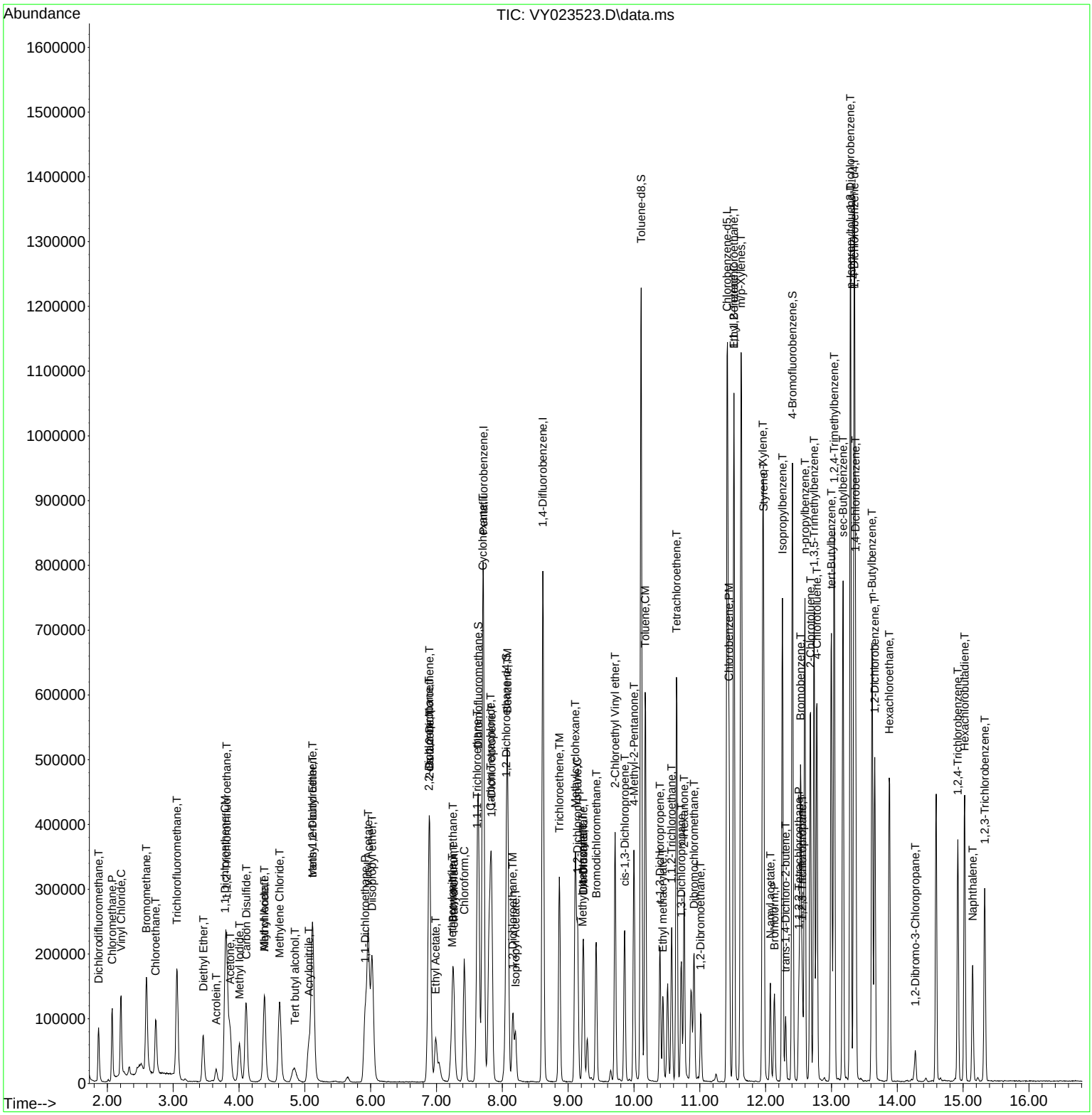
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Sample : VY1021SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

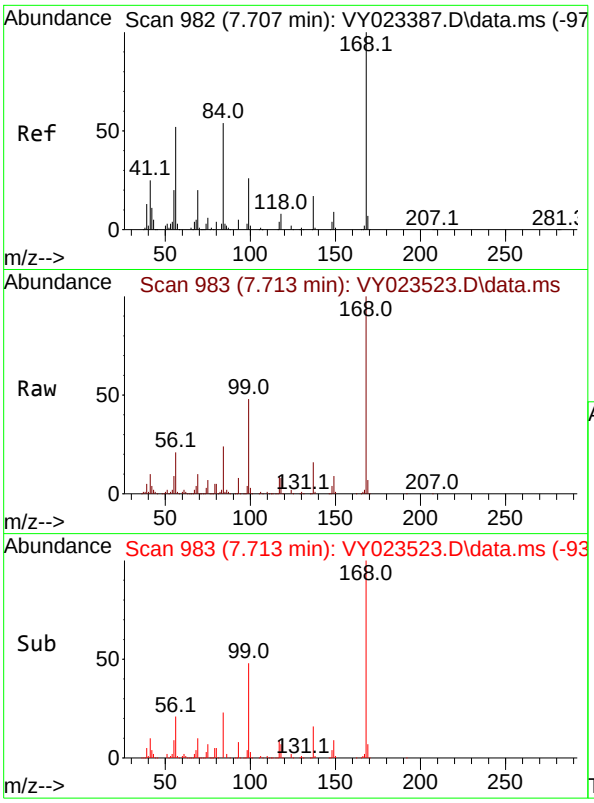
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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

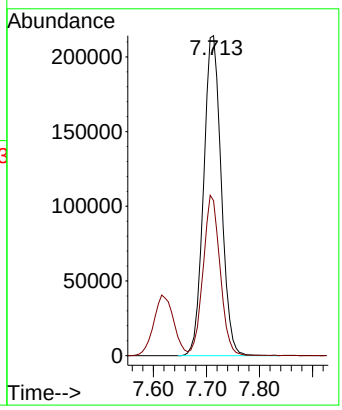




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:168 Resp: 49401

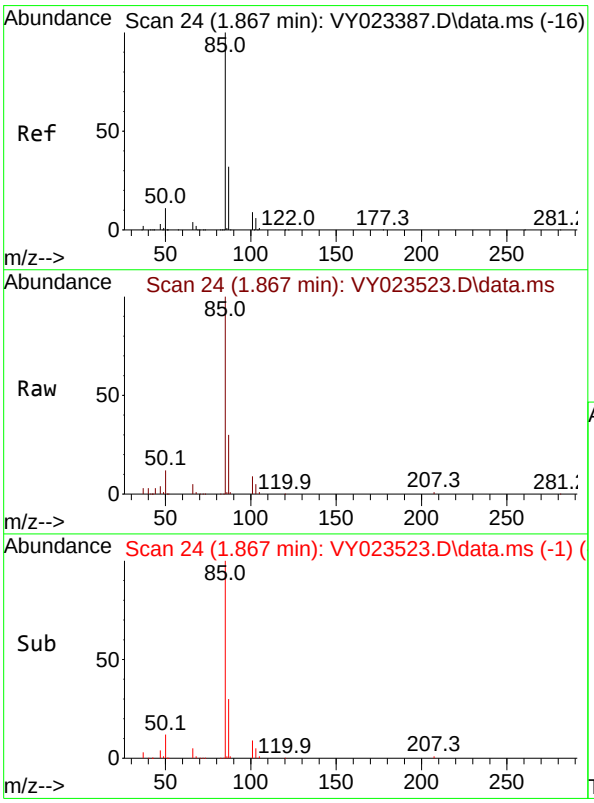
Ion	Ratio	Lower	Upper
168	100		
99	48.4	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
APPROVED

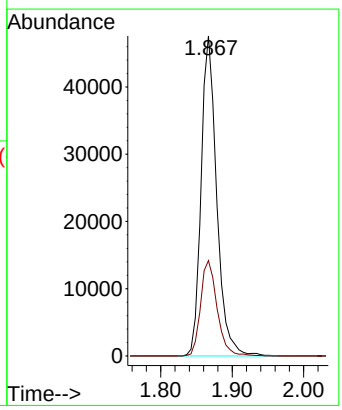
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

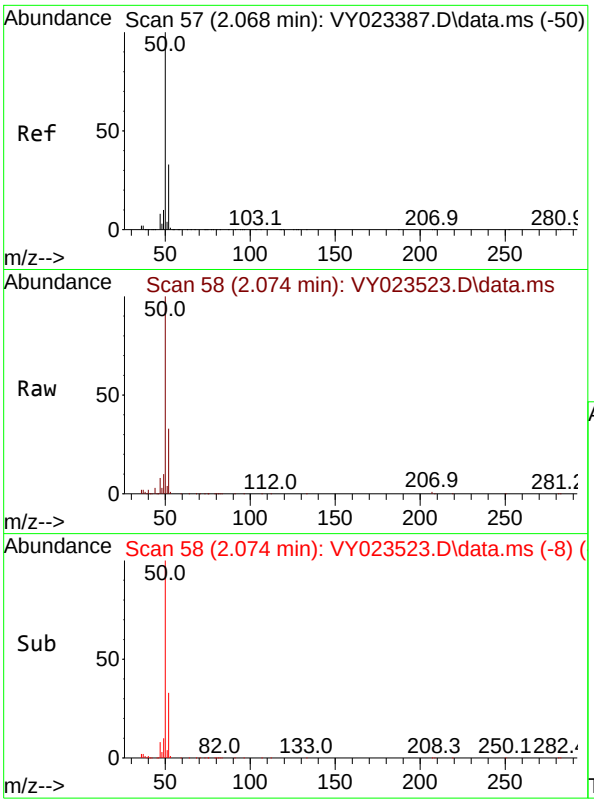


#2
Dichlorodifluoromethane
Concen: 20.308 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 85 Resp: 72214

Ion	Ratio	Lower	Upper
85	100		
87	29.8	16.0	47.9

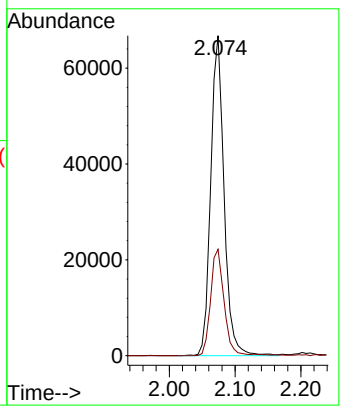




#3
Chloromethane
Concen: 19.506 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 50 Resp: 9448

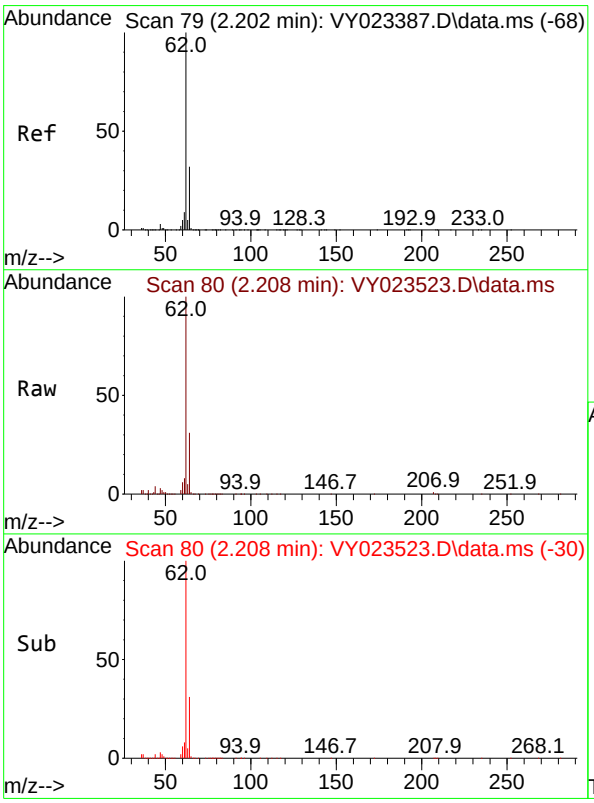
Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
APPROVED

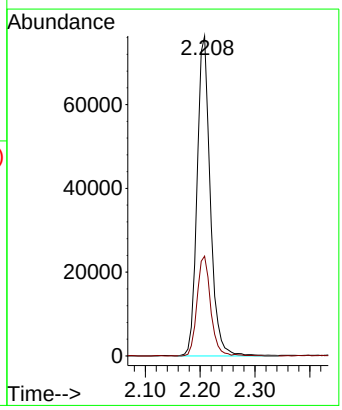
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

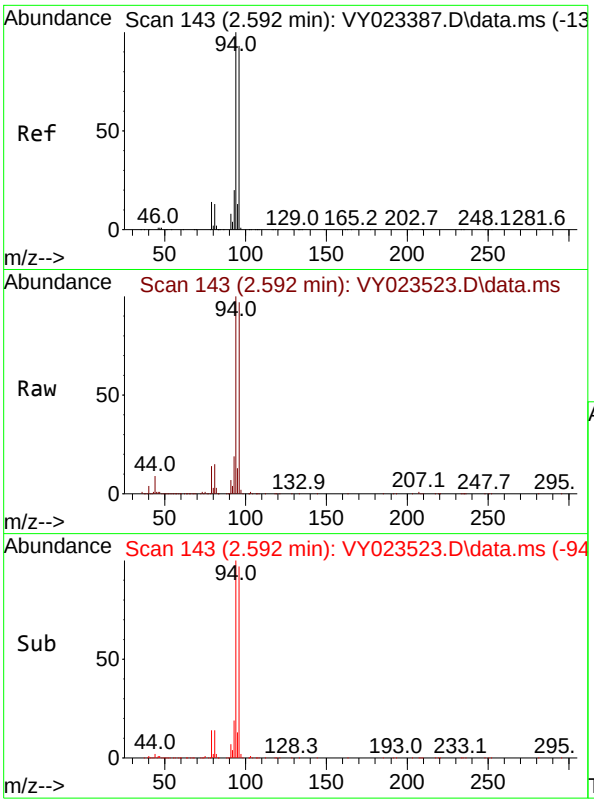


#4
Vinyl Chloride
Concen: 20.240 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 62 Resp: 127704

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.8	38.8





#5
Bromomethane
Concen: 21.464 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

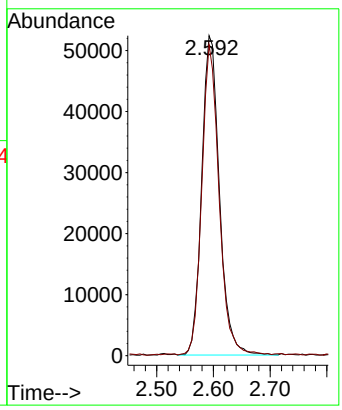
Tgt Ion: 94 Resp: 11364

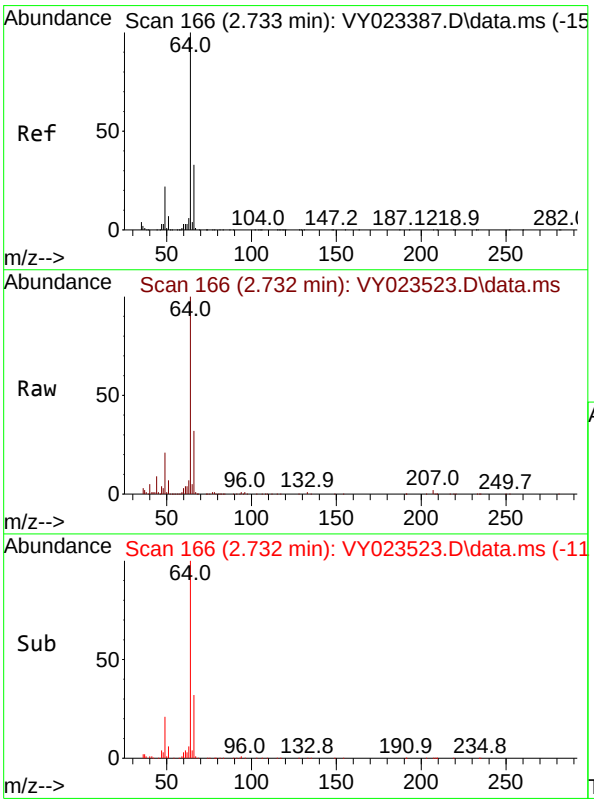
Ion	Ratio	Lower	Upper
94	100		
96	97.1	74.5	111.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

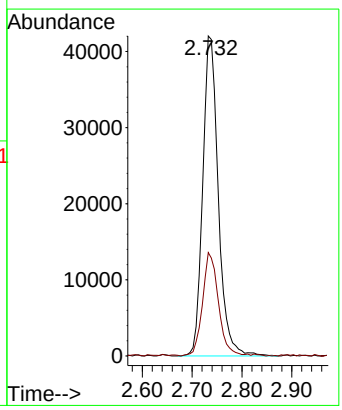


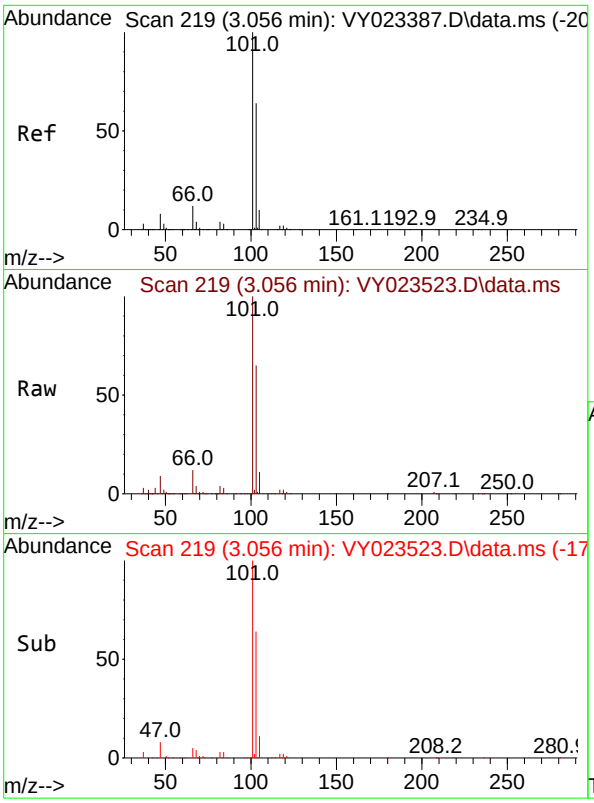


#6
Chloroethane
Concen: 21.197 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 64 Resp: 91163

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.2	39.4

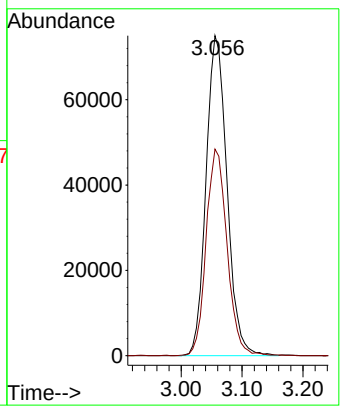




#7
Trichlorofluoromethane
Concen: 20.441 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:101 Resp: 17906

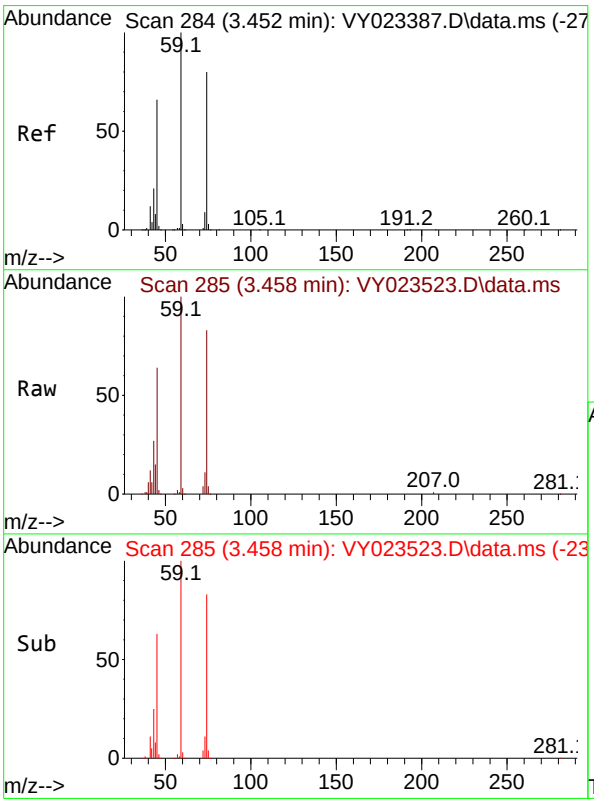
Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
APPROVED

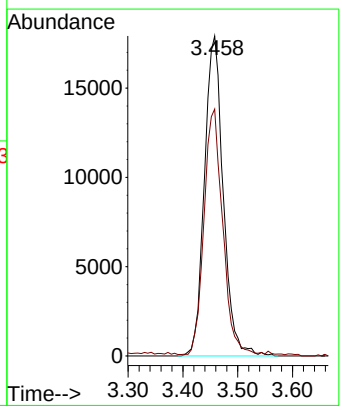
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

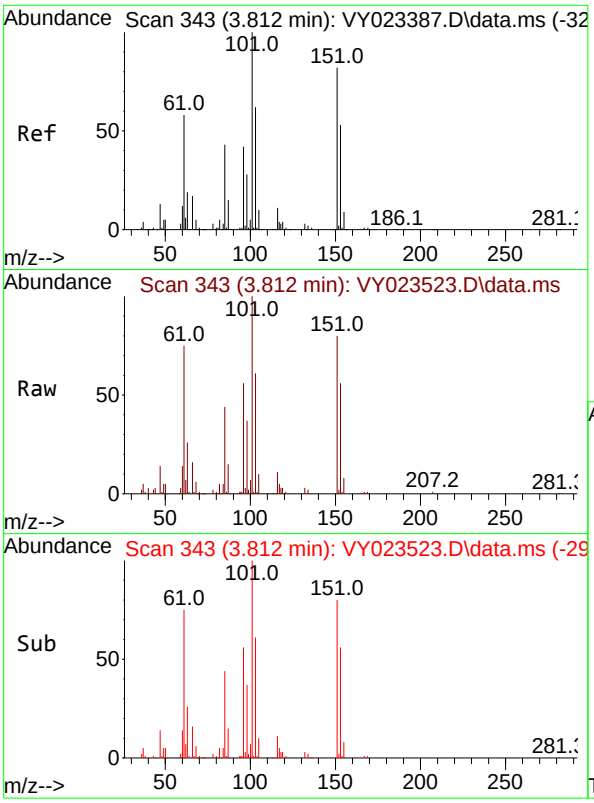


#8
Diethyl Ether
Concen: 18.626 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 74 Resp: 42637

Ion	Ratio	Lower	Upper
74	100		
45	75.8	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.136 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

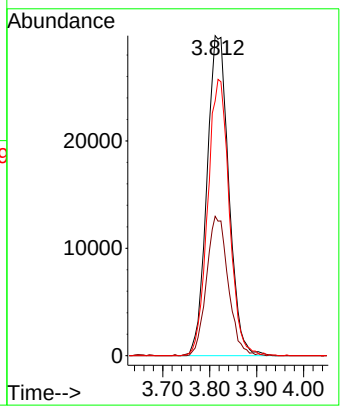
Tgt Ion:101 Resp: 9608

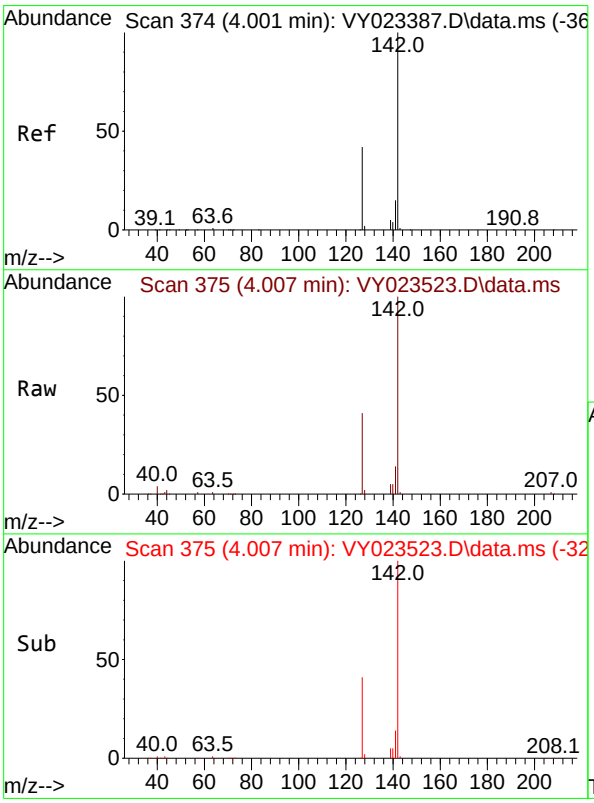
Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	85.5	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

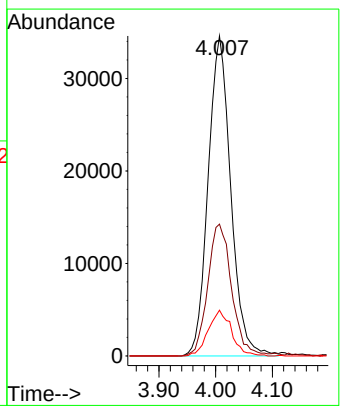


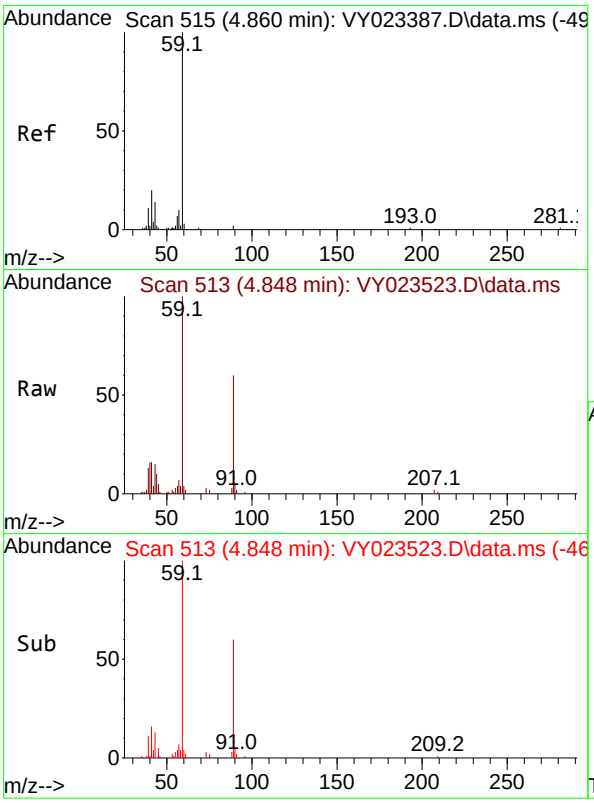


#10
Methyl Iodide
Concen: 18.966 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:142 Resp: 95981

Ion	Ratio	Lower	Upper
142	100		
127	43.8	34.8	52.2
141	14.7	11.6	17.4





#11
Tert butyl alcohol
Concen: 112.428 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

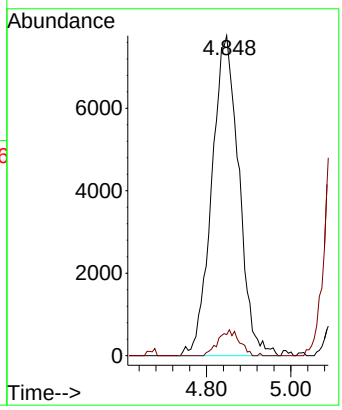
Tgt Ion: 59 Resp: 3455

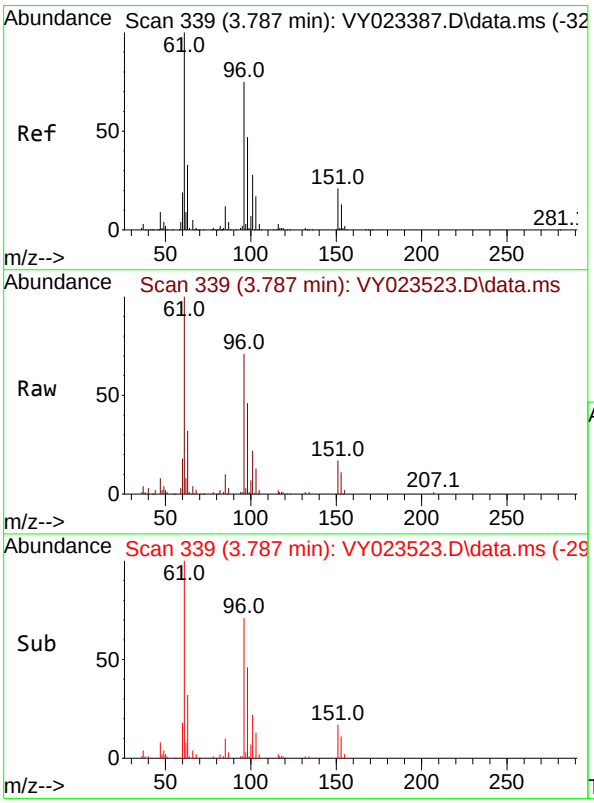
Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.3	12.5#

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

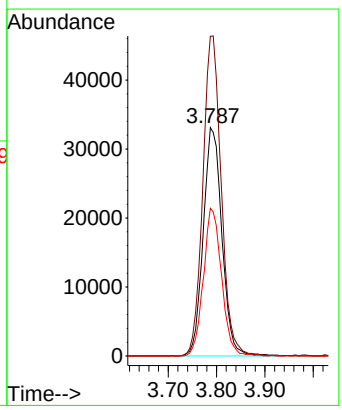


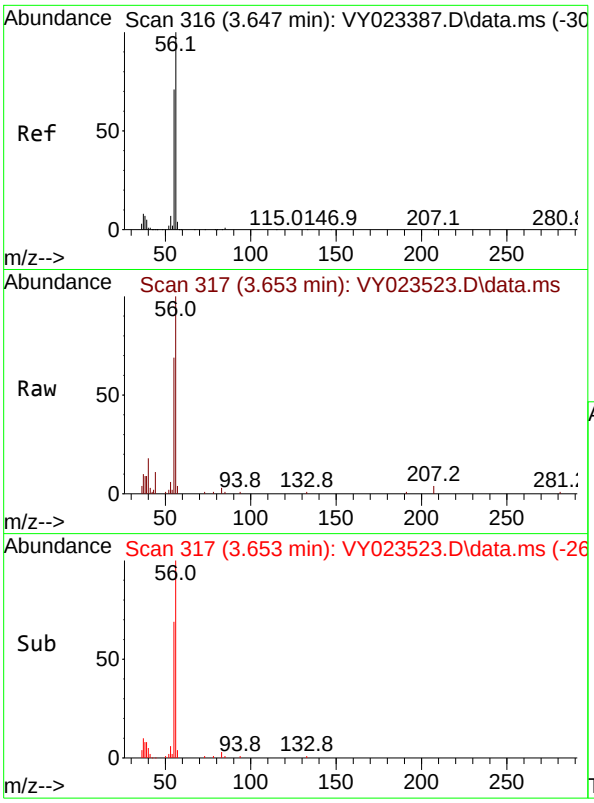


#12
1,1-Dichloroethene
Concen: 20.198 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 96 Resp: 89008

Ion	Ratio	Lower	Upper
96	100		
61	140.0	106.7	160.1
98	64.7	50.2	75.4

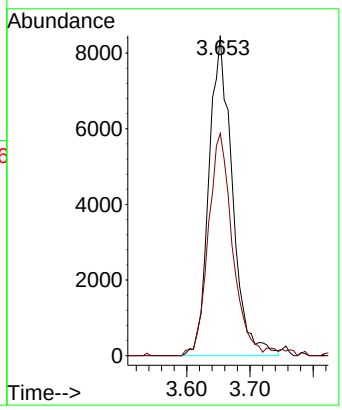




#13
Acrolein
Concen: 49.768 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 56 Resp: 2161

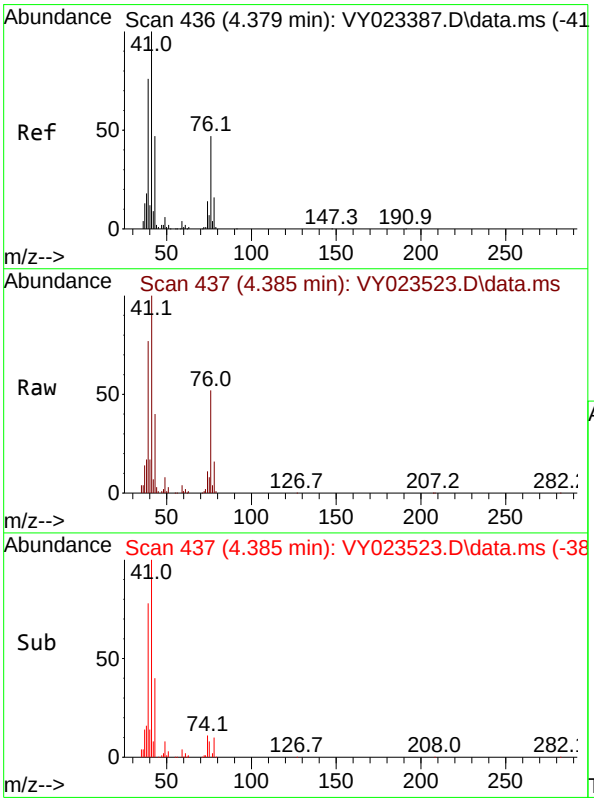
Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
APPROVED

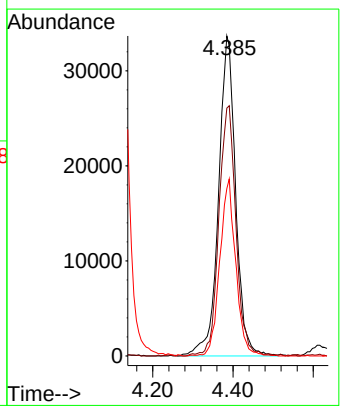
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

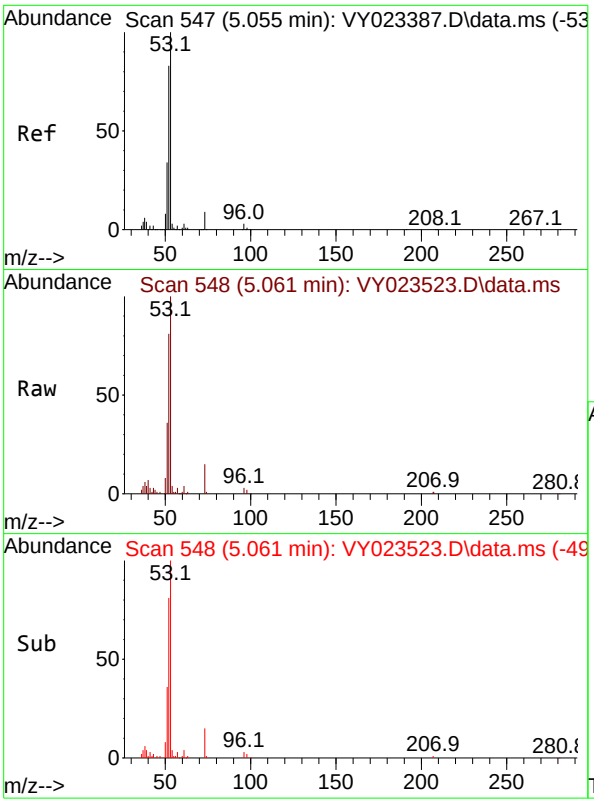


#14
Allyl chloride
Concen: 18.606 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 41 Resp: 99926

Ion	Ratio	Lower	Upper
41	100		
39	77.9	59.9	89.9
76	51.4	38.0	57.0

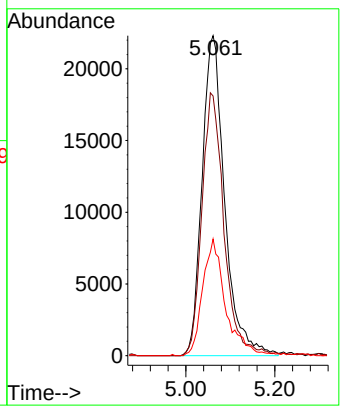




#15
Acrylonitrile
Concen: 90.228 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 53 Resp: 7904

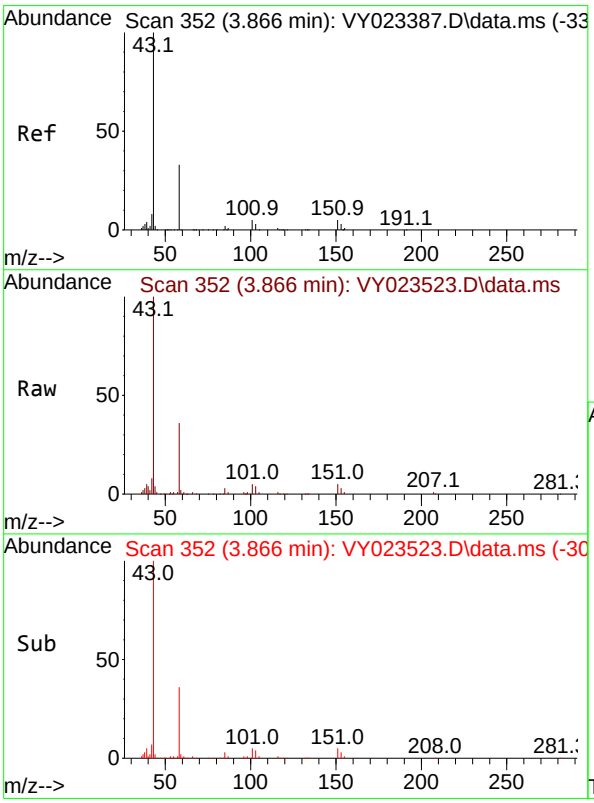
Ion	Ratio	Lower	Upper
53	100		
52	80.1	64.6	97.0
51	36.9	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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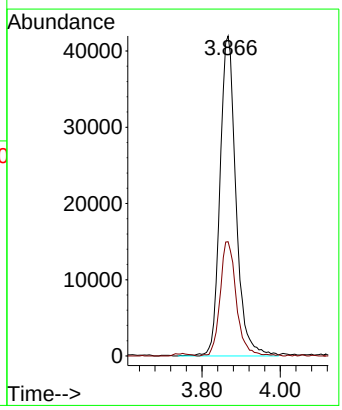
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

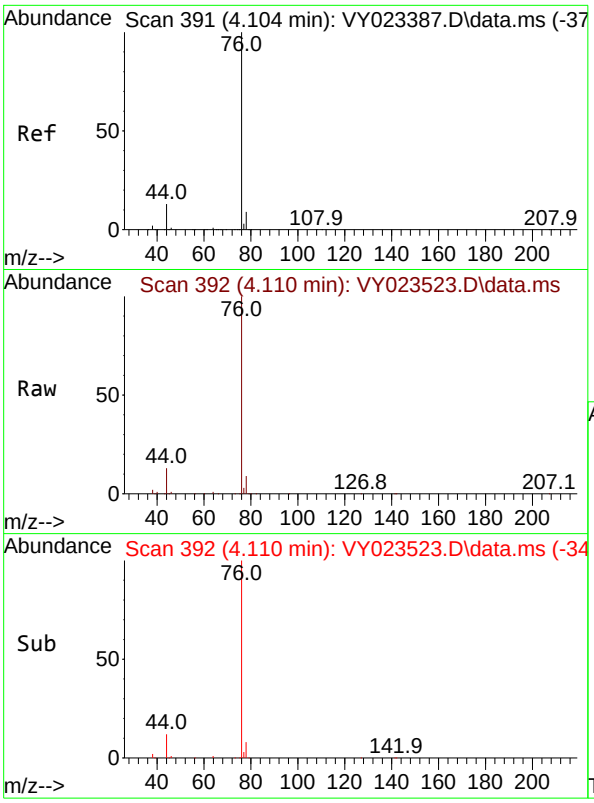


#16
Acetone
Concen: 121.387 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 43 Resp: 119380

Ion	Ratio	Lower	Upper
43	100		
58	35.3	27.7	41.5





#17
Carbon Disulfide
Concen: 20.152 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

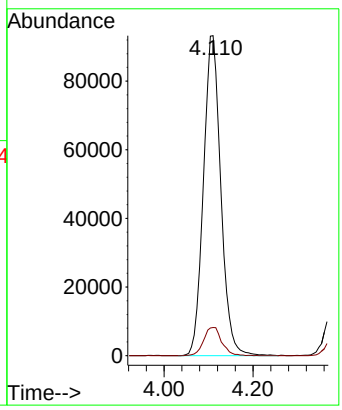
Tgt Ion: 76 Resp: 25417

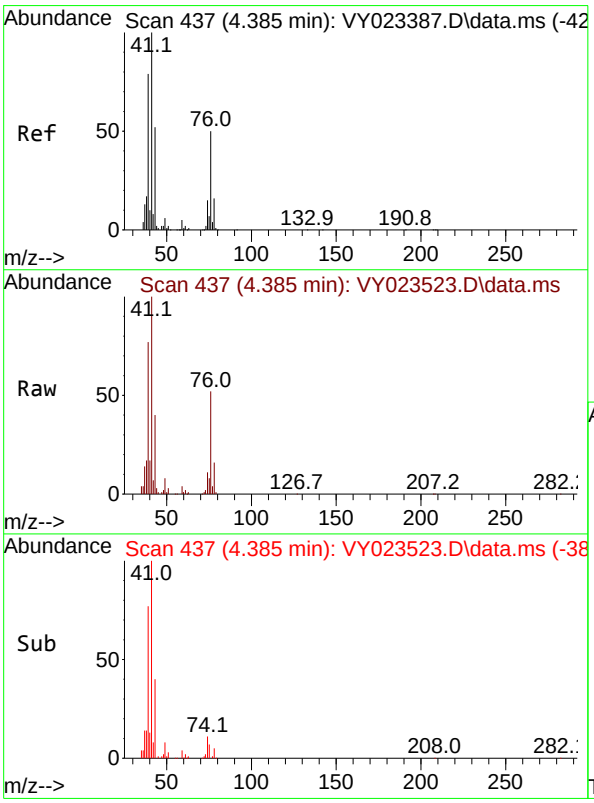
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

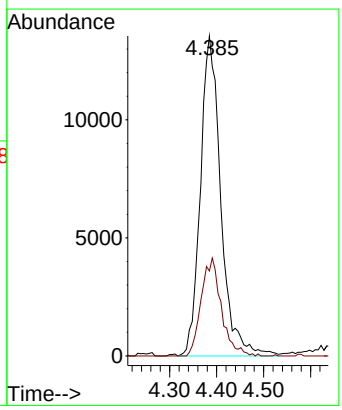


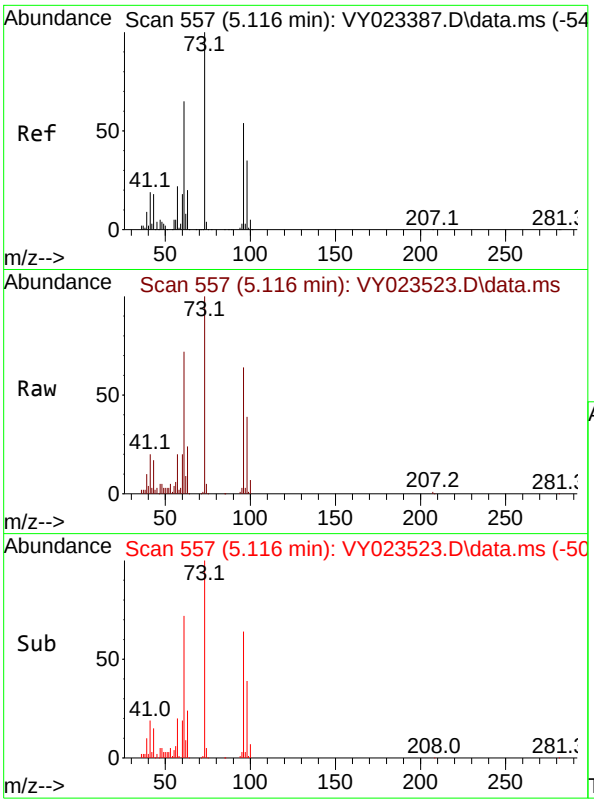


#18
Methyl Acetate
Concen: 15.874 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 43 Resp: 40953

Ion	Ratio	Lower	Upper
43	100		
74	30.1	24.2	36.4

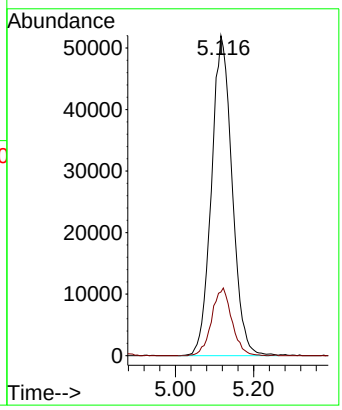




#19
Methyl tert-butyl Ether
Concen: 17.999 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 73 Resp: 19063

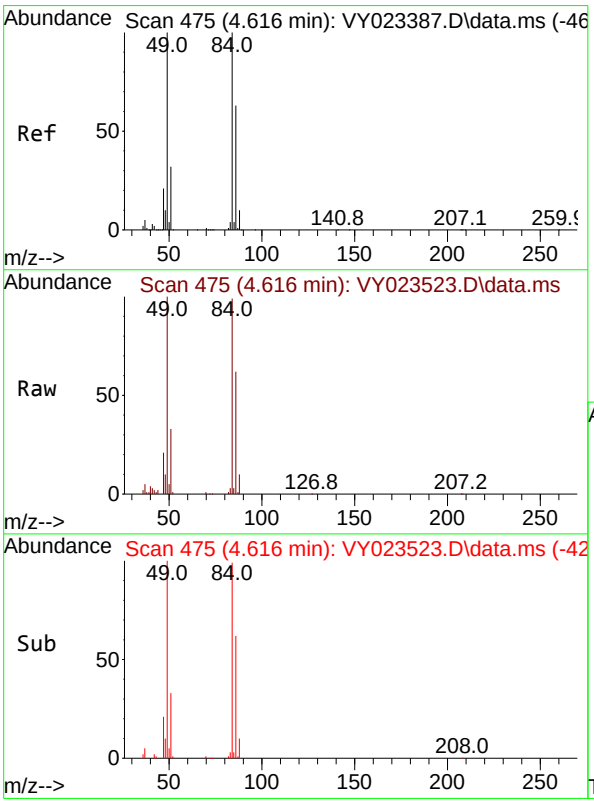
Ion	Ratio	Lower	Upper
73	100		
57	19.9	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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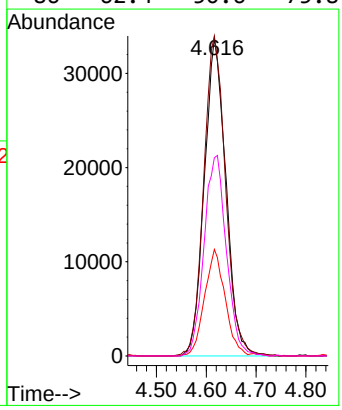
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

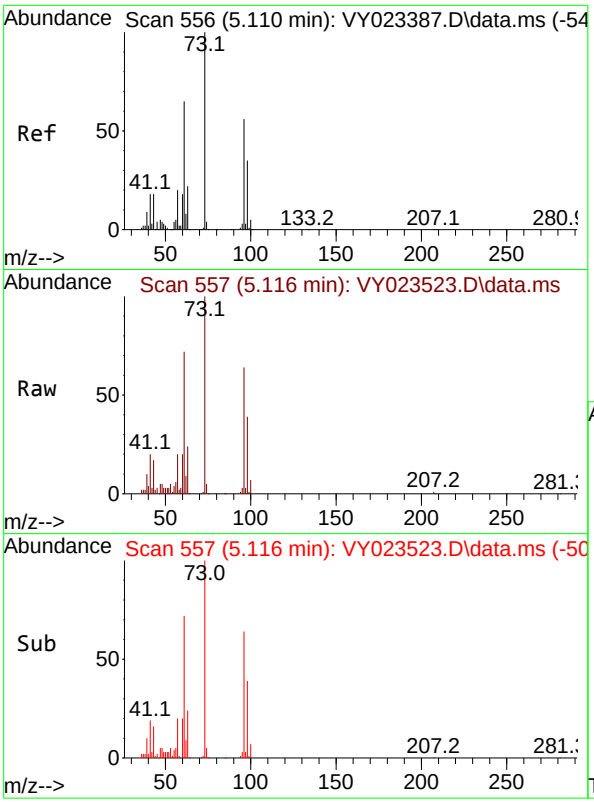


#20
Methylene Chloride
Concen: 19.041 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 84 Resp: 101259

Ion	Ratio	Lower	Upper
84	100		
49	100.7	80.2	120.4
51	33.6	25.9	38.9
86	62.4	50.6	75.8

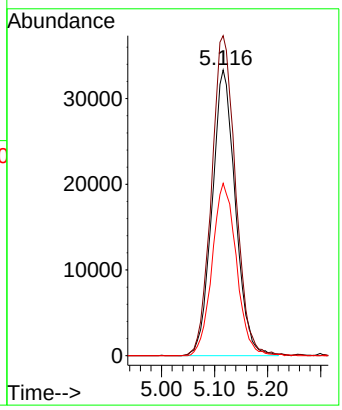




#21
trans-1,2-Dichloroethene
Concen: 20.955 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 96 Resp: 10166

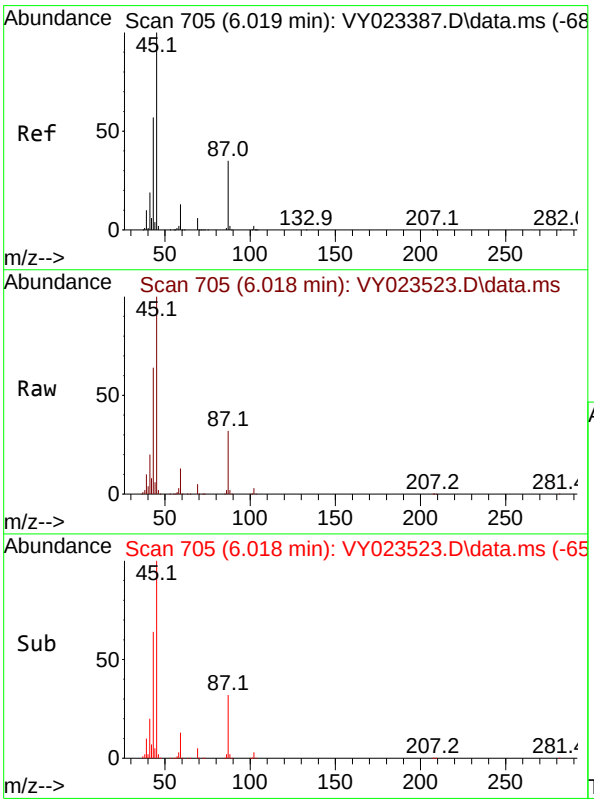
Ion	Ratio	Lower	Upper
96	100		
61	112.0	92.7	139.1
98	60.3	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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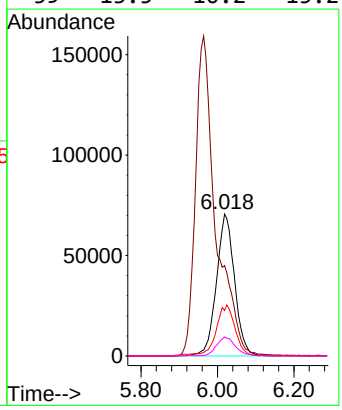
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

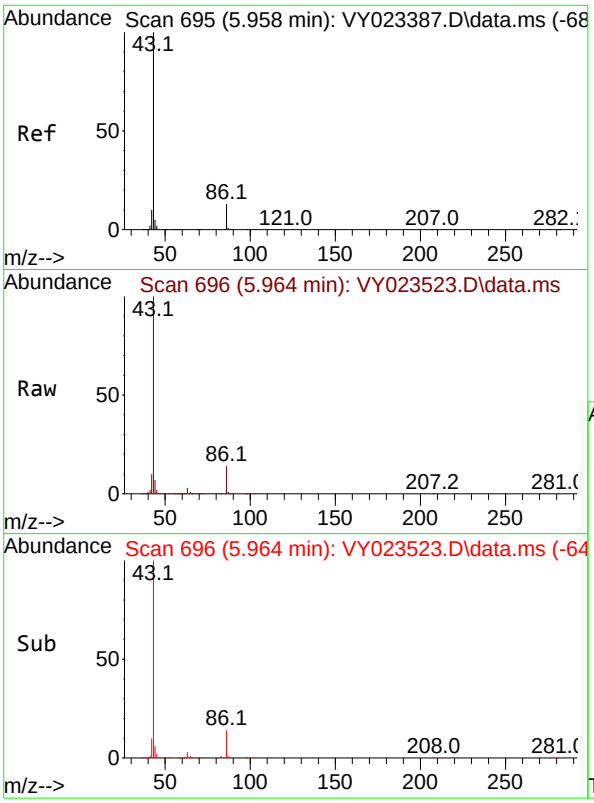


#22
Diisopropyl ether
Concen: 19.559 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 45 Resp: 232353

Ion	Ratio	Lower	Upper
45	100		
43	63.5	45.6	68.4
87	32.0	28.1	42.1
59	13.5	10.2	15.2

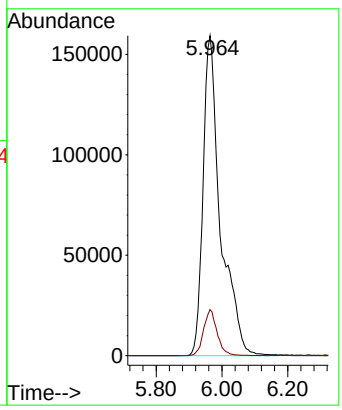




#23
Vinyl Acetate
Concen: 91.178 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 43 Resp: 58628

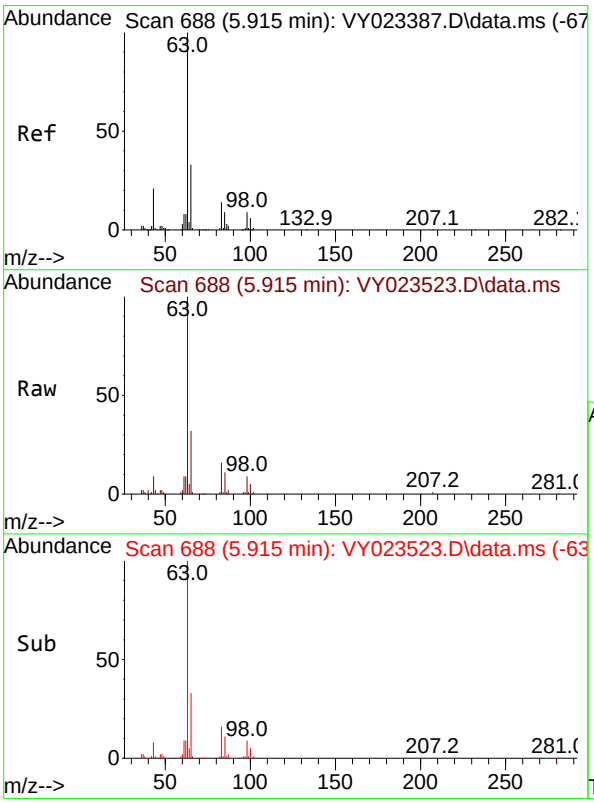
Ion	Ratio	Lower	Upper
43	100		
86	14.4	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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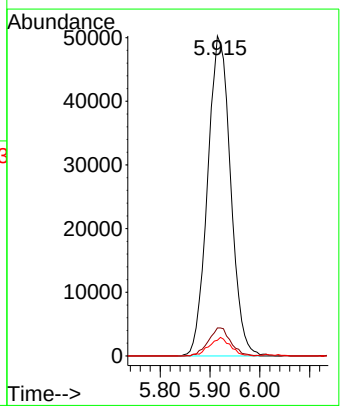
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

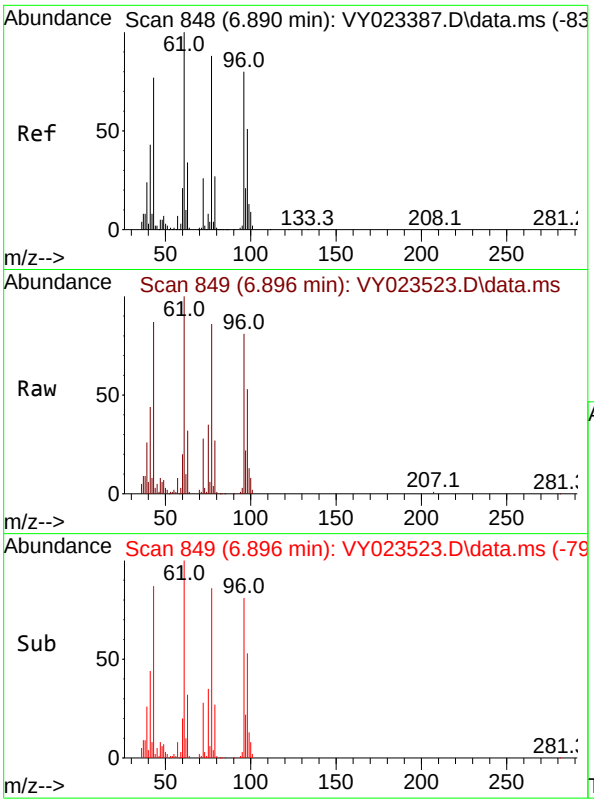


#24
1,1-Dichloroethane
Concen: 20.465 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 63 Resp: 161044

Ion	Ratio	Lower	Upper
63	100		
98	8.8	4.3	13.1
100	4.9	2.8	8.4





#25
2-Butanone
Concen: 101.820 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

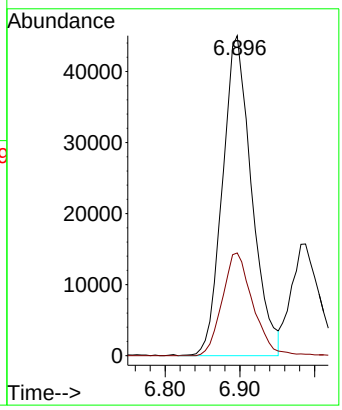
Tgt Ion: 43 Resp: 12225

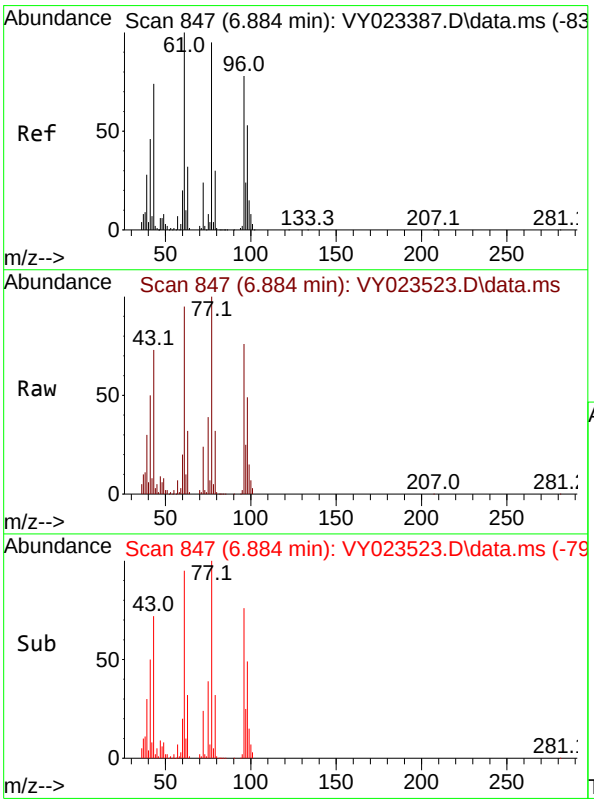
Ion	Ratio	Lower	Upper
43	100		
72	32.1	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

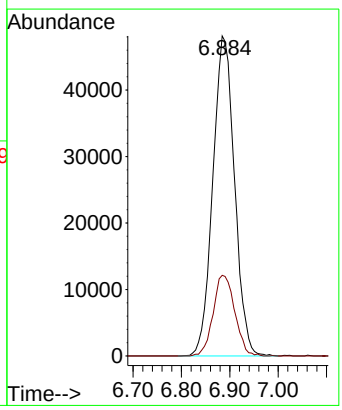


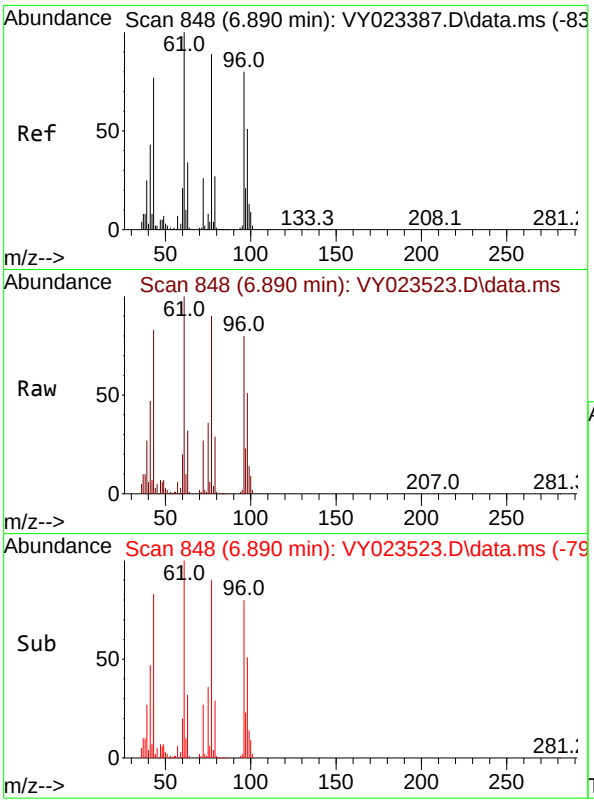


#26
2,2-Dichloropropane
Concen: 20.766 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 77 Resp: 149940

Ion	Ratio	Lower	Upper
77	100		
97	25.1	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 20.682 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

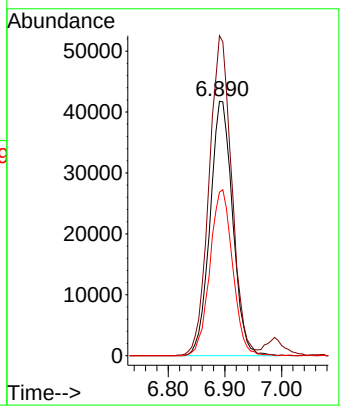
Tgt Ion: 96 Resp: 11590

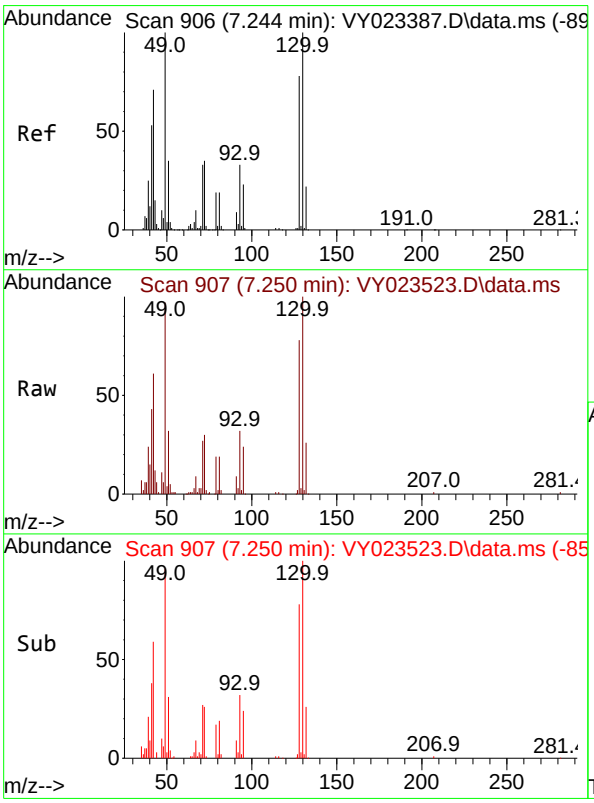
Ion	Ratio	Lower	Upper
96	100		
61	125.9	0.0	258.2
98	65.5	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

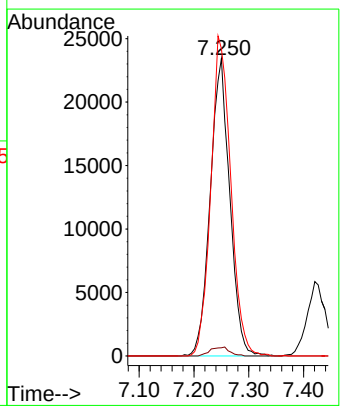


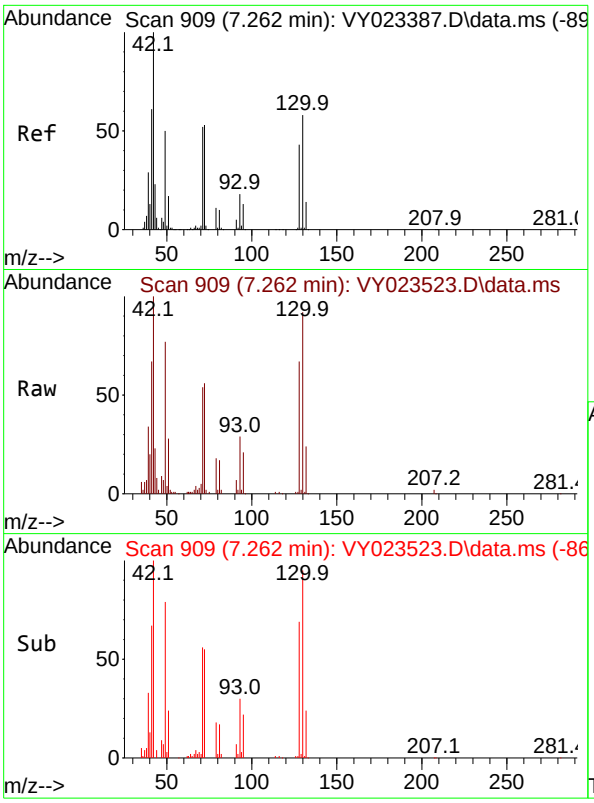


#28
Bromochloromethane
Concen: 19.715 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 49 Resp: 57916

Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.6
130	109.9	81.9	122.9

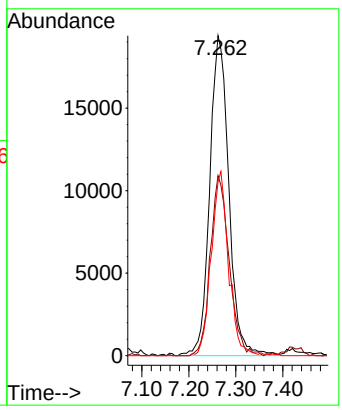




#29
Tetrahydrofuran
Concen: 80.322 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 42 Resp: 5468

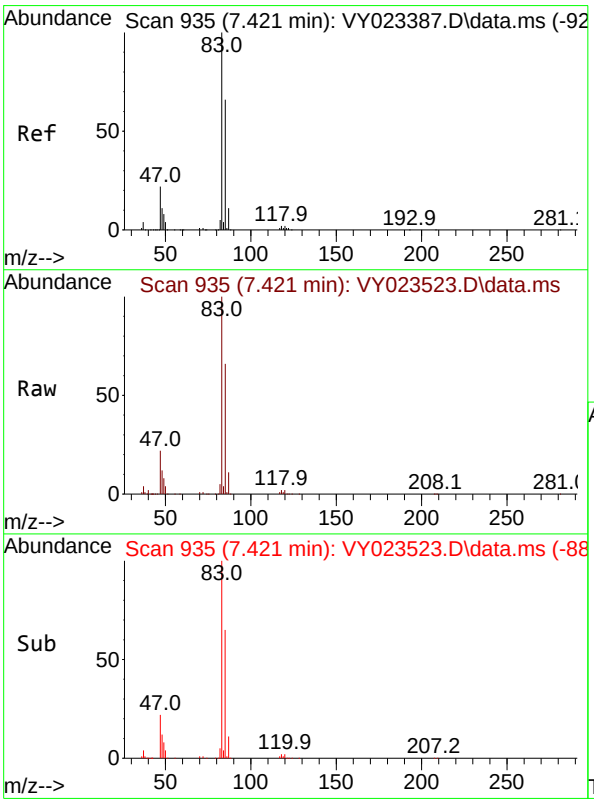
Ion	Ratio	Lower	Upper
42	100		
72	55.6	43.0	64.6
71	52.1	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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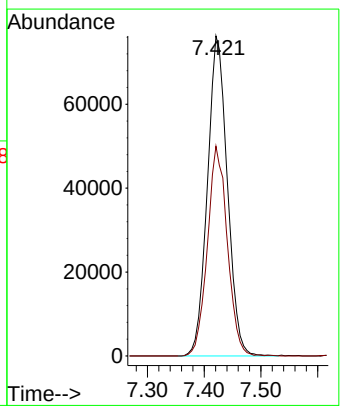
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

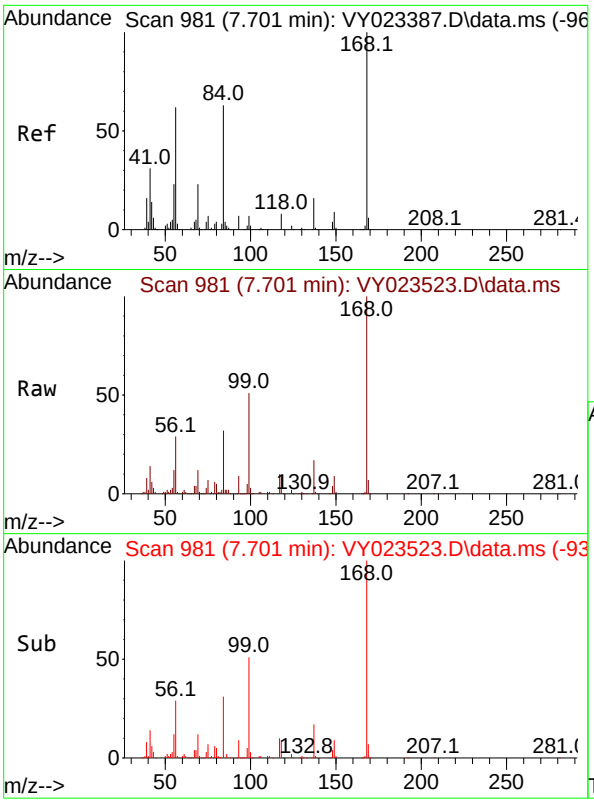


#30
Chloroform
Concen: 21.521 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 83 Resp: 186069

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7





#31
Cyclohexane
Concen: 18.787 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

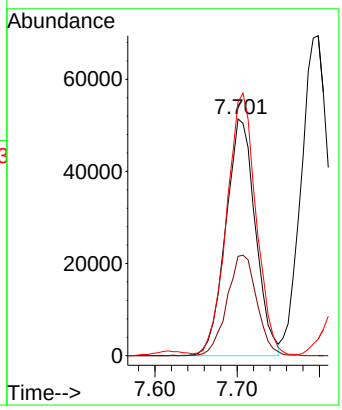
Tgt Ion: 56 Resp: 12910

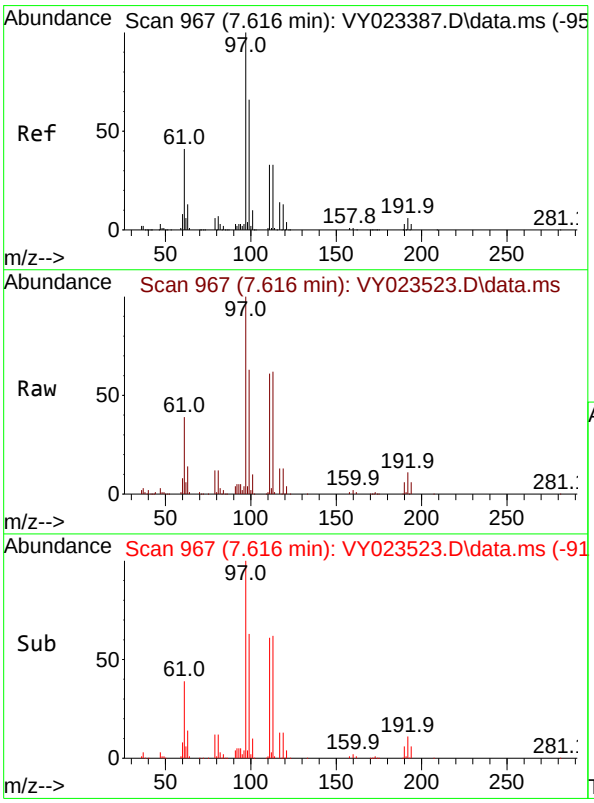
Ion	Ratio	Lower	Upper
56	100		
69	41.9	30.0	45.0
84	105.3	81.2	121.8

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

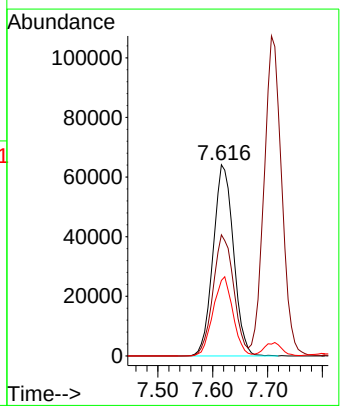


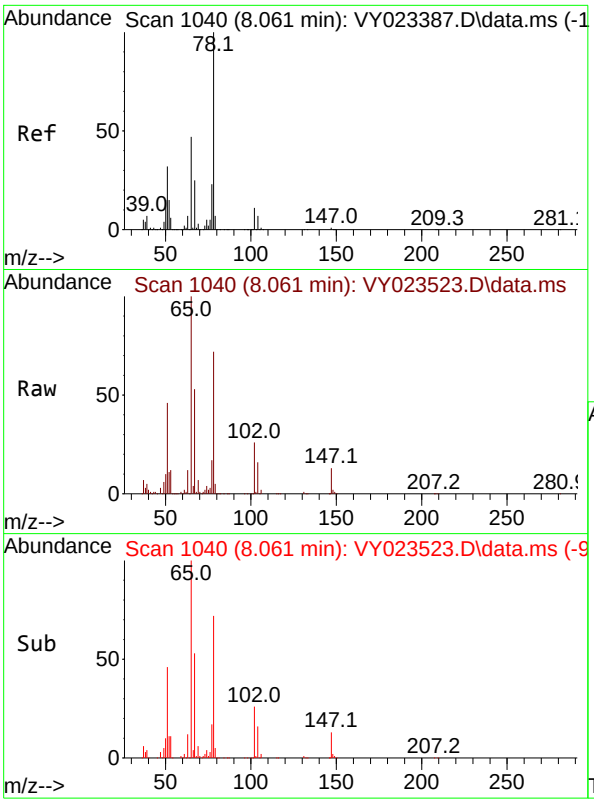


#32
1,1,1-Trichloroethane
Concen: 21.099 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 97 Resp: 165772

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	40.3	31.9	47.9





#33
1,2-Dichloroethane-d4
Concen: 46.930 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

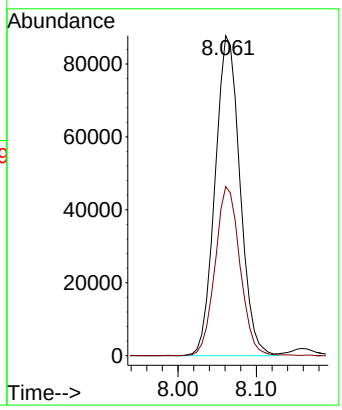
Tgt Ion: 65 Resp: 19387

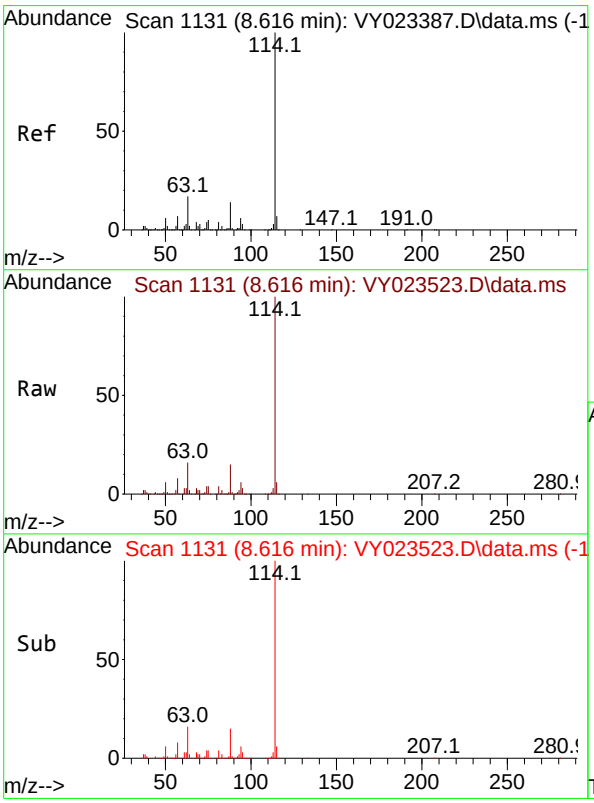
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

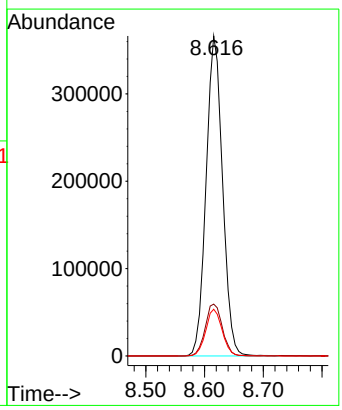


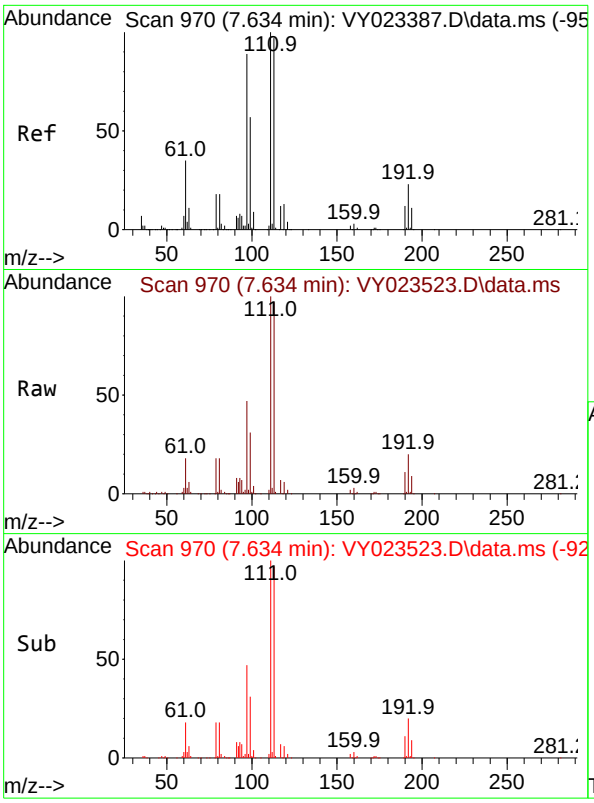


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:114 Resp: 712868

Ion	Ratio	Lower	Upper
114	100		
63	16.2	0.0	34.2
88	14.6	0.0	28.4

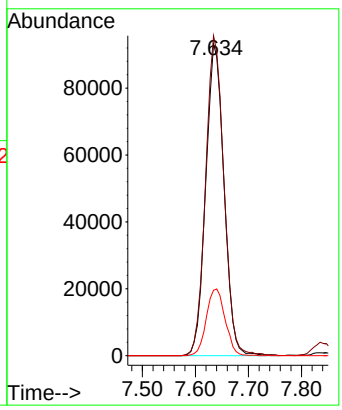




#35
Dibromofluoromethane
Concen: 50.907 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:113 Resp: 22298

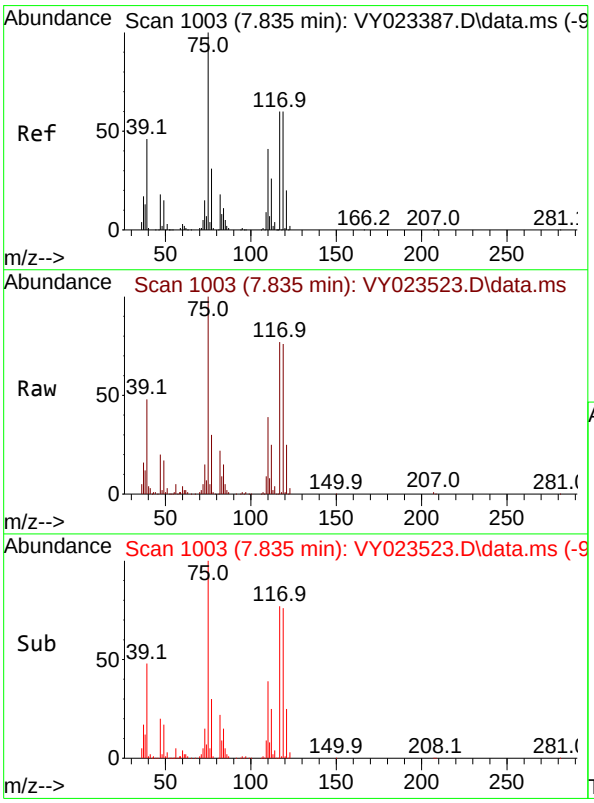
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	22.1	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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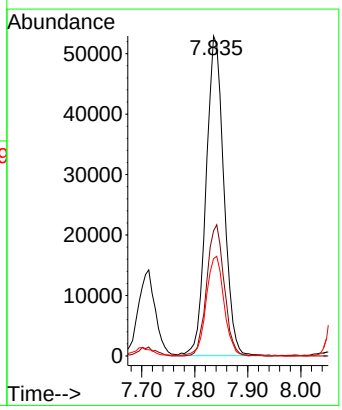
Reviewed By :Amit Patel 10/24/2025
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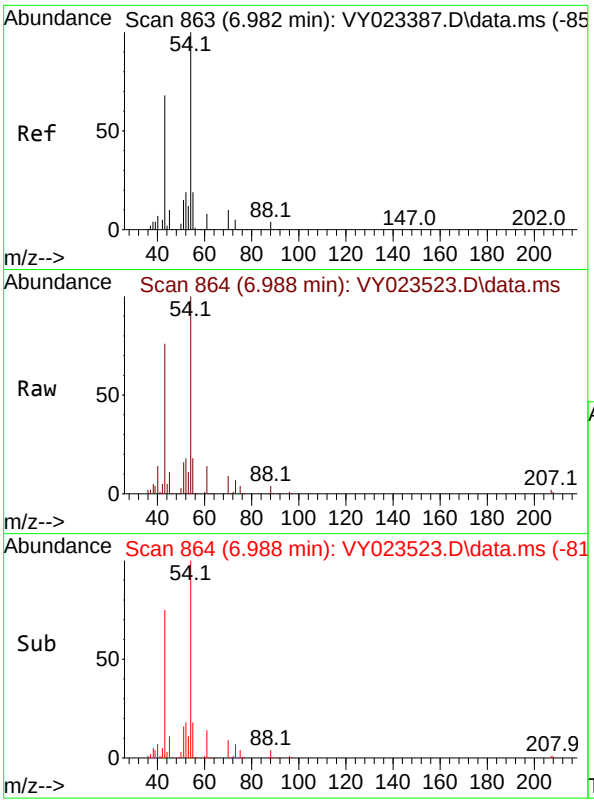


#36
1,1-Dichloropropene
Concen: 21.126 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 75 Resp: 122511

Ion	Ratio	Lower	Upper
75	100		
110	40.6	19.9	59.7
77	31.6	25.0	37.6





#37
Ethyl Acetate
Concen: 18.518 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

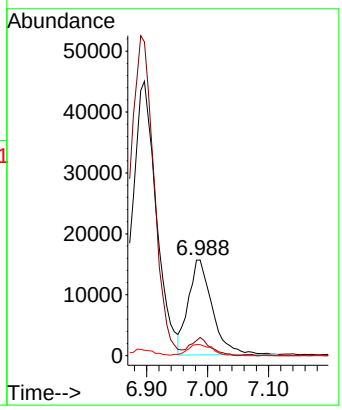
Tgt Ion: 43 Resp: 4254

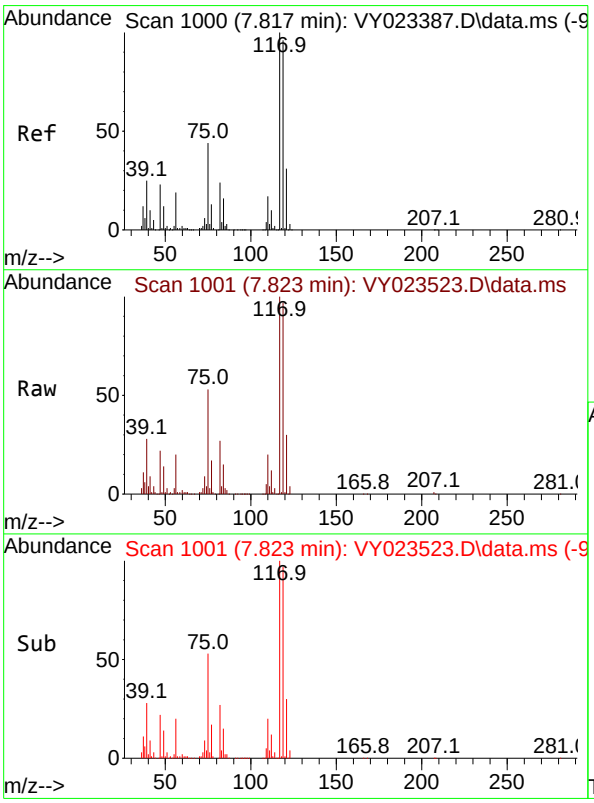
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.8
70	12.5	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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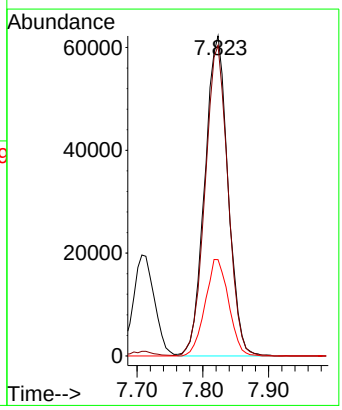


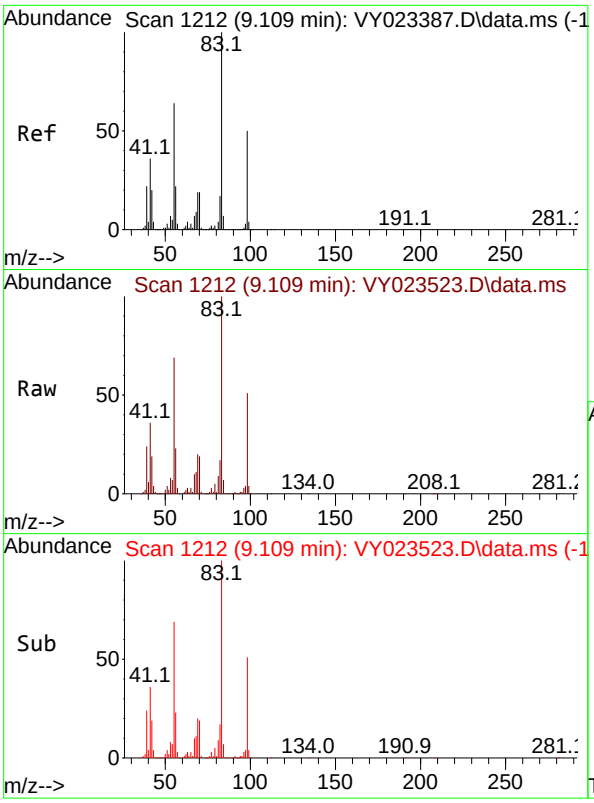


#38
Carbon Tetrachloride
Concen: 21.746 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:117 Resp: 152907

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.8	115.2
121	30.1	24.5	36.7





#39
Methylcyclohexane
Concen: 19.842 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

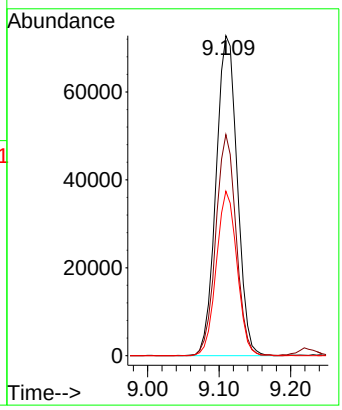
Tgt Ion: 83 Resp: 14981

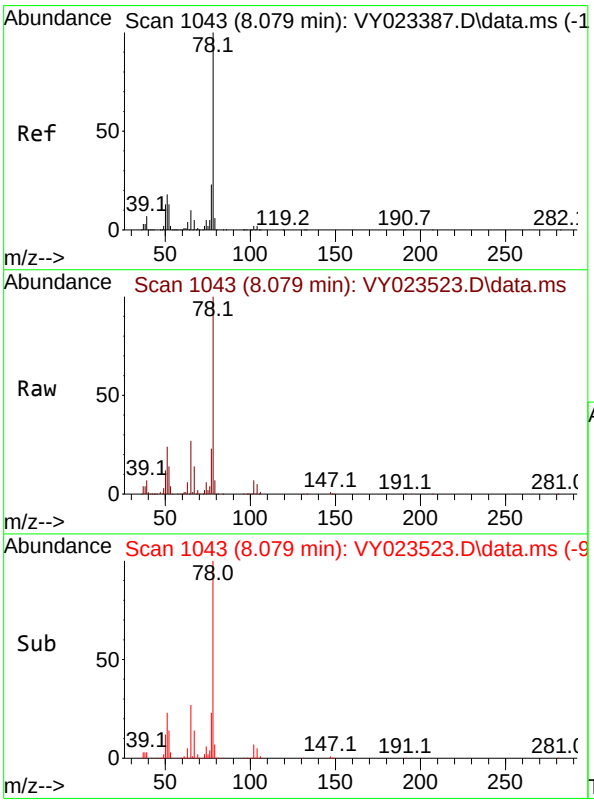
Ion	Ratio	Lower	Upper
83	100		
55	69.0	51.4	77.2
98	51.4	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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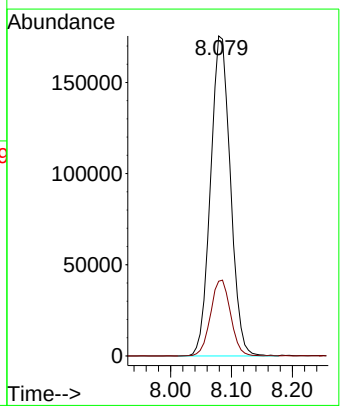


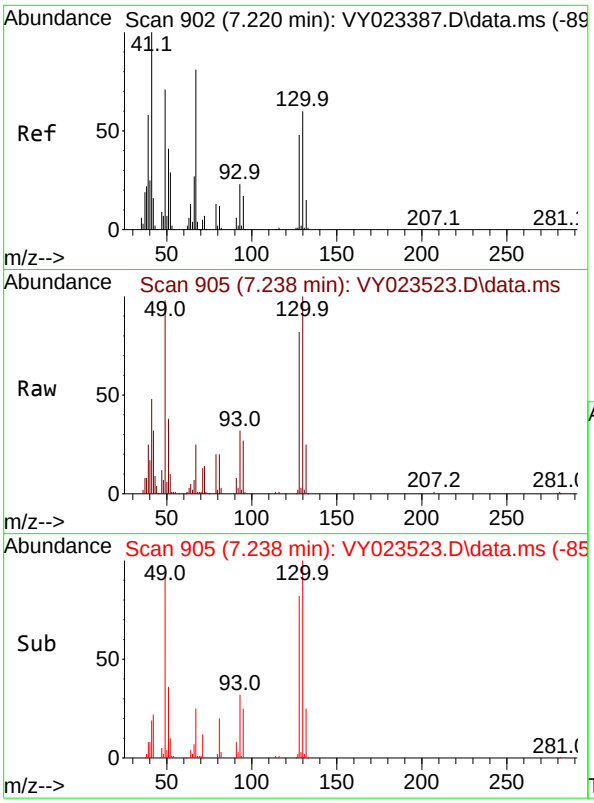


#40
Benzene
Concen: 21.591 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 78 Resp: 396525

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.3	27.5

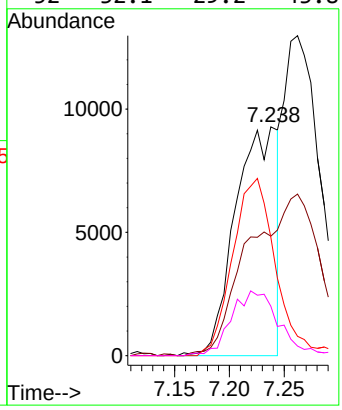




#41
Methacrylonitrile
Concen: 20.069 ug/l m
RT: 7.238 min Scan# 9(
Delta R.T. 0.018 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 41 Resp: 2493(

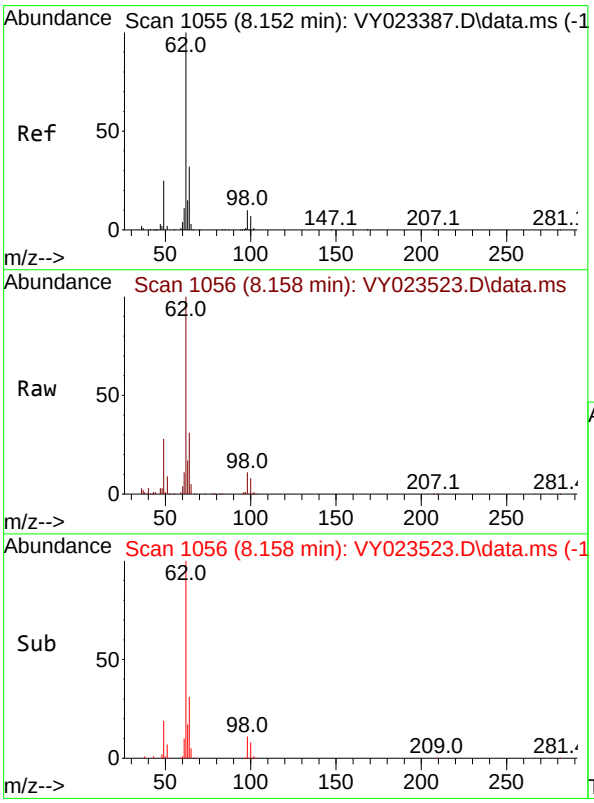
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.2	78.4
67	80.1	74.9	112.3
52	32.1	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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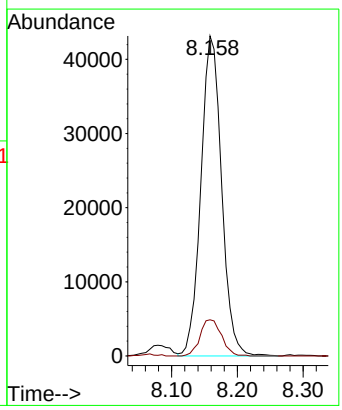
Reviewed By :Amit Patel 10/24/2025
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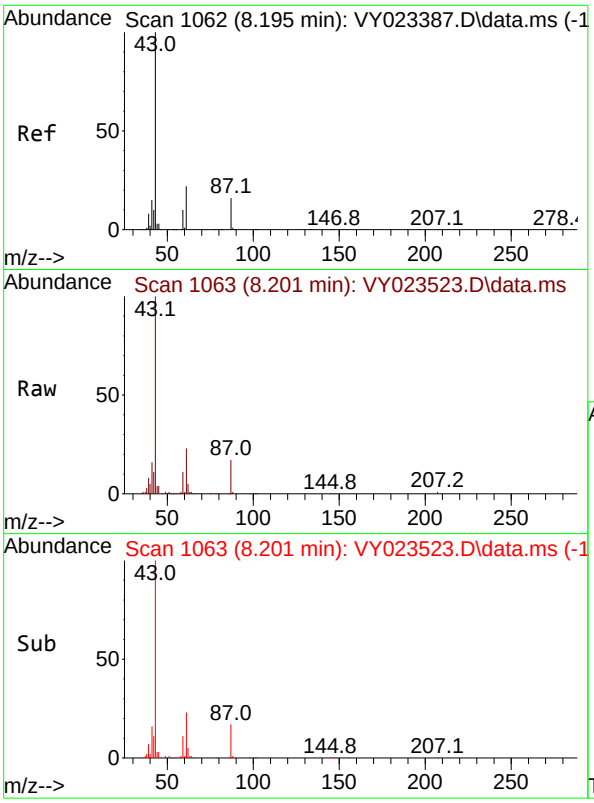


#42
1,2-Dichloroethane
Concen: 19.985 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 62 Resp: 94656

Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	21.6





#43
Isopropyl Acetate
Concen: 17.322 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

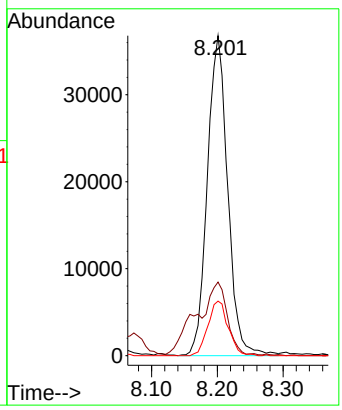
Tgt Ion: 43 Resp: 7935

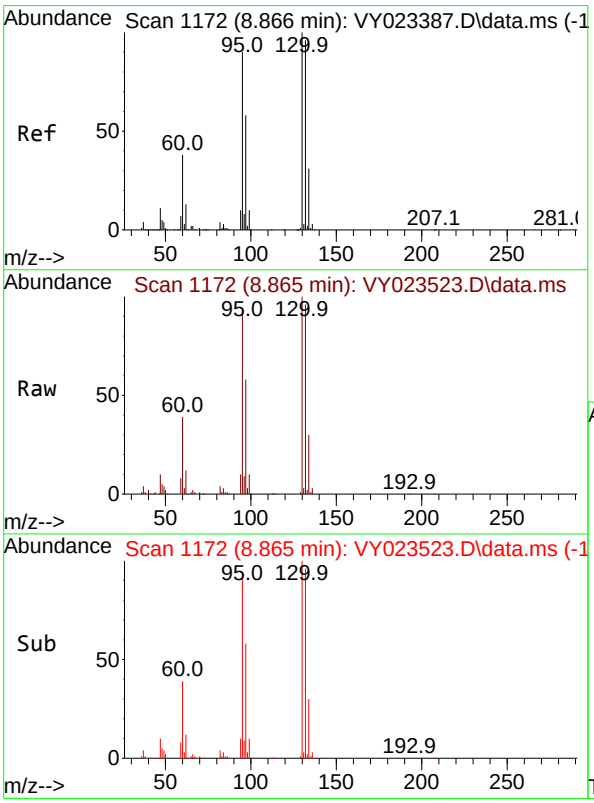
Ion	Ratio	Lower	Upper
43	100		
61	21.5	18.1	27.1
87	17.0	13.5	20.3

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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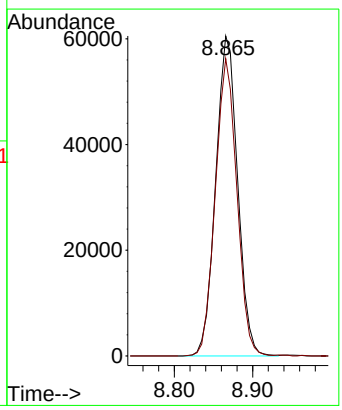


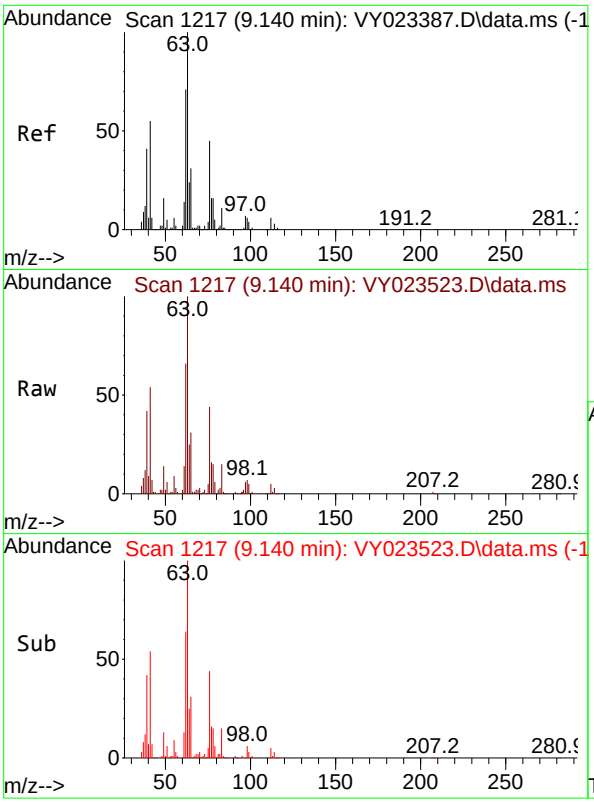


#44
Trichloroethene
Concen: 21.916 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:130 Resp: 117801

Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	180.6

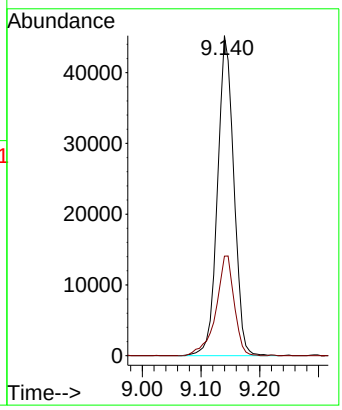




#45
1,2-Dichloropropane
Concen: 21.475 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 63 Resp: 8710

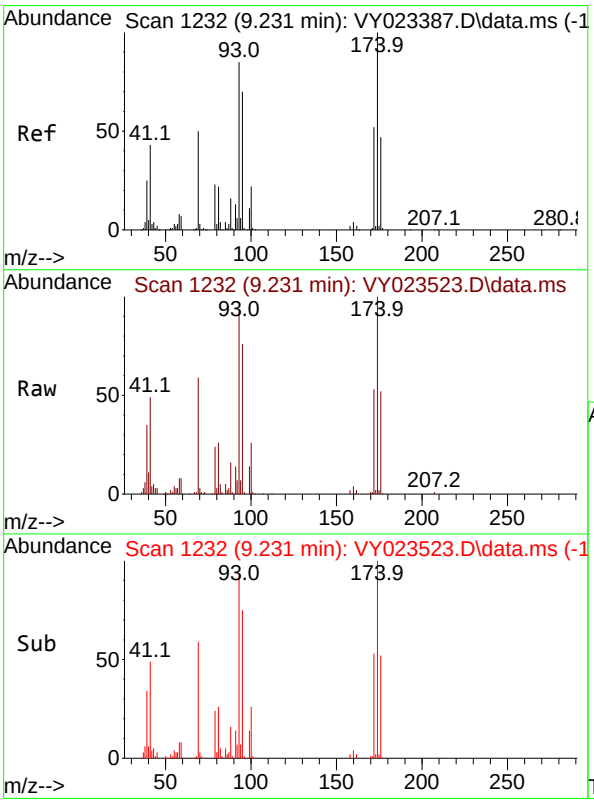
Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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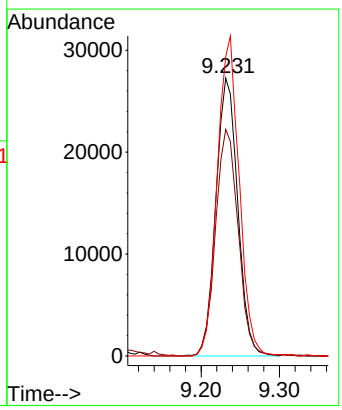
Reviewed By :Amit Patel 10/24/2025
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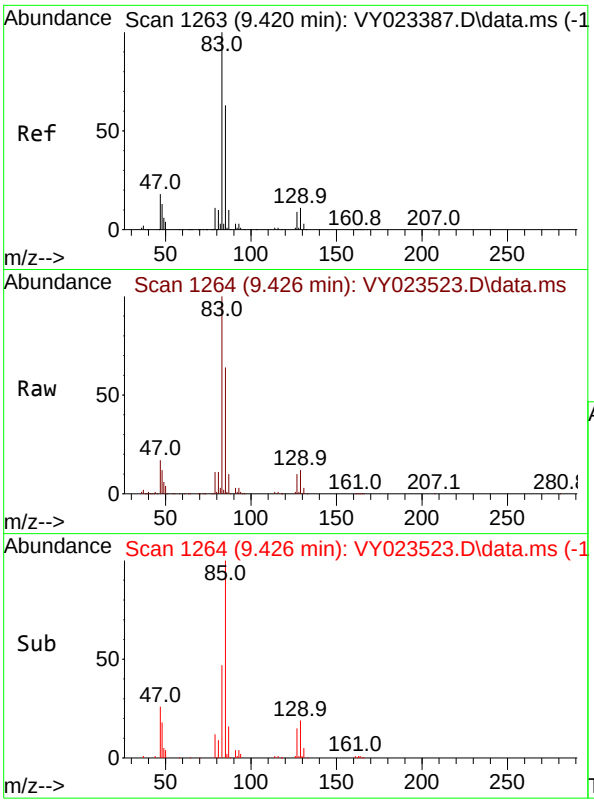


#46
Dibromomethane
Concen: 20.610 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 93 Resp: 52865

Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.4	98.0
174	115.6	92.9	139.3

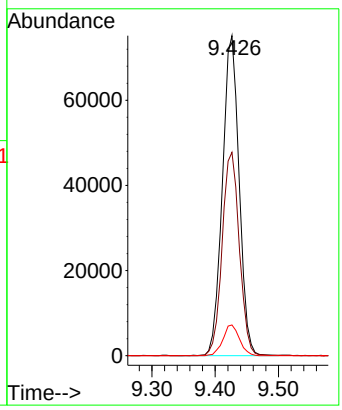




#47
Bromodichloromethane
Concen: 21.284 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 83 Resp: 13749

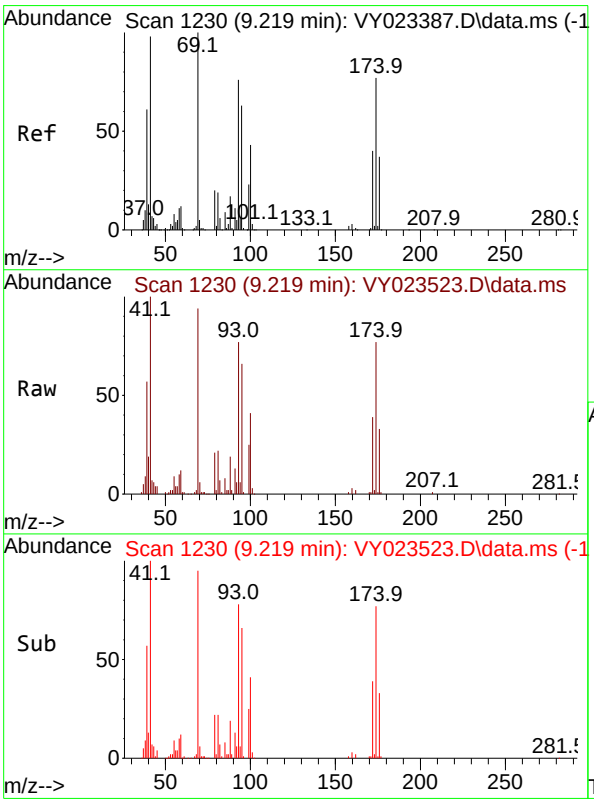
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.8	76.2
127	9.6	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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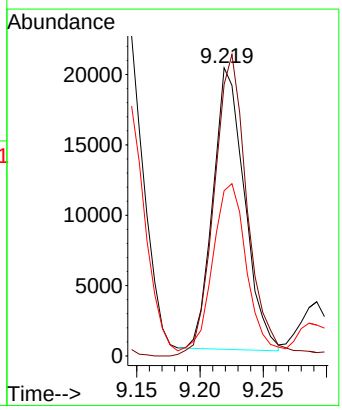
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Supervised By :Mahesh Dadoda 10/27/2025

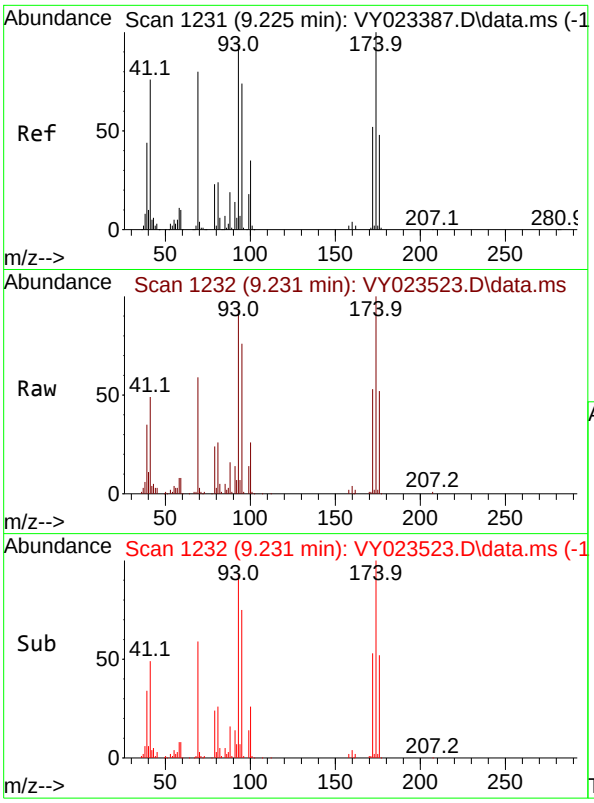


#48
Methyl methacrylate
Concen: 16.069 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 41 Resp: 34583

Ion	Ratio	Lower	Upper
41	100		
69	113.7	81.0	121.4
39	66.0	48.2	72.4





#49
1,4-Dioxane
Concen: 340.128 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

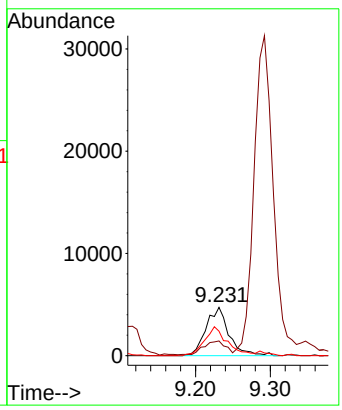
Tgt Ion: 88 Resp: 1011

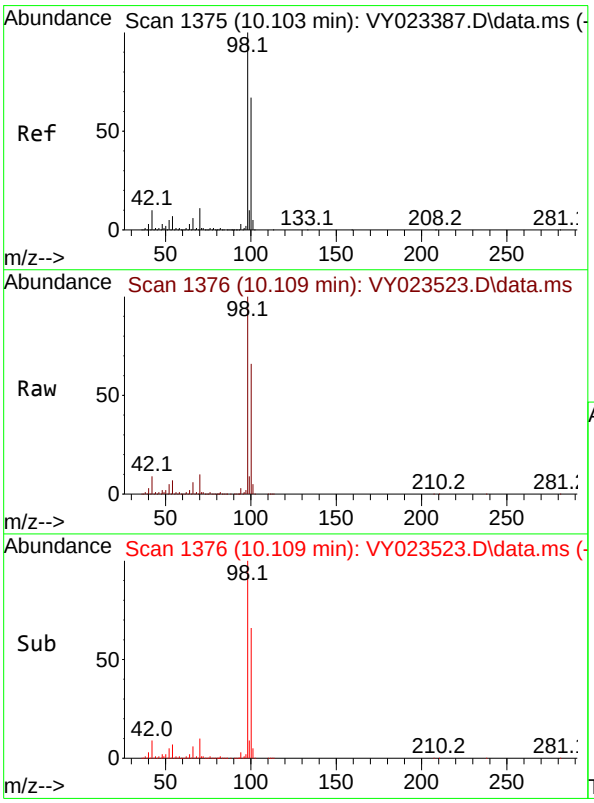
Ion	Ratio	Lower	Upper
88	100		
43	25.6	21.8	32.8
58	59.3	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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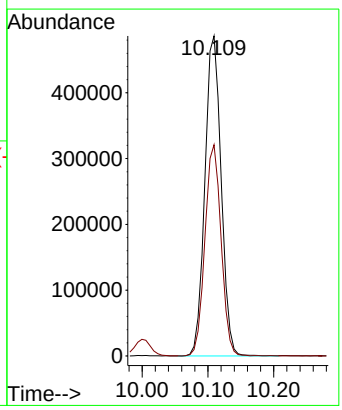


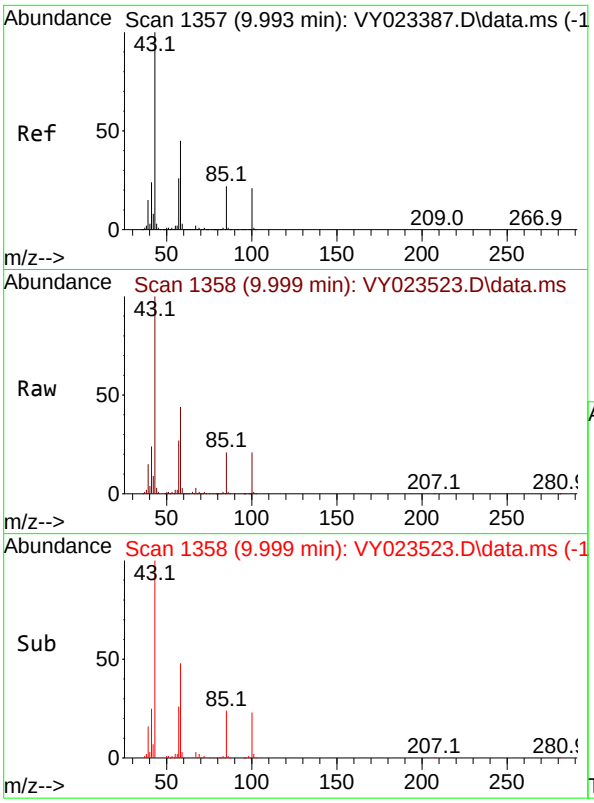


#50
Toluene-d8
Concen: 51.335 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 98 Resp: 837402

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 86.702 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

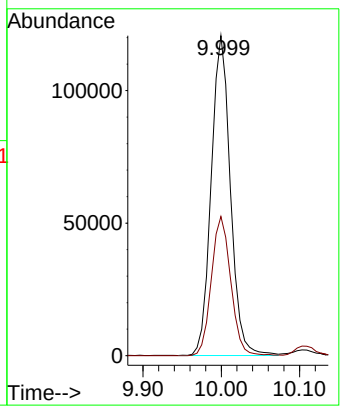
Tgt Ion: 43 Resp: 20521

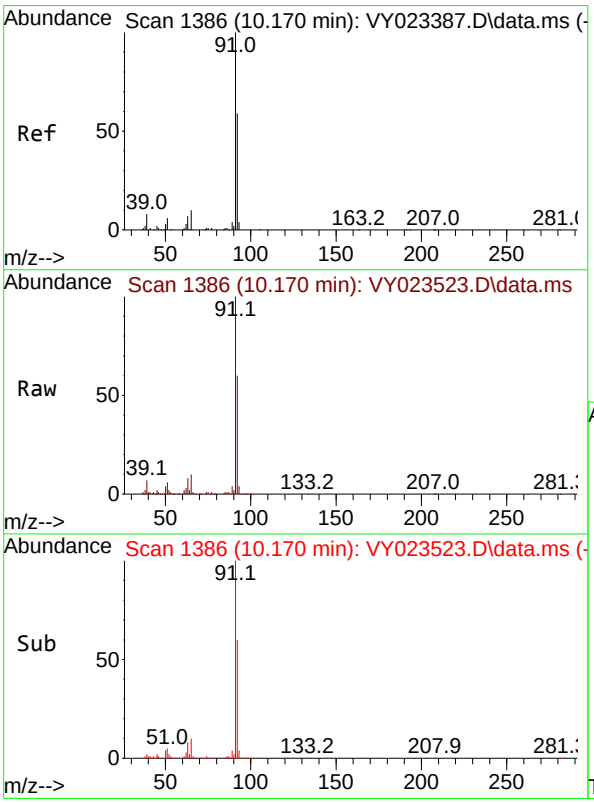
Ion	Ratio	Lower	Upper
43	100		
58	44.1	35.3	52.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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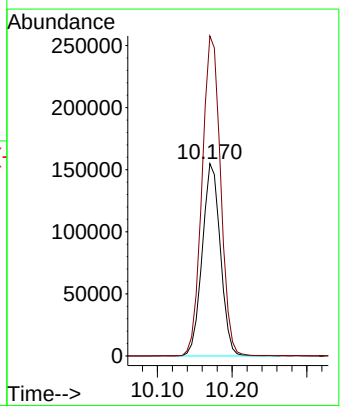


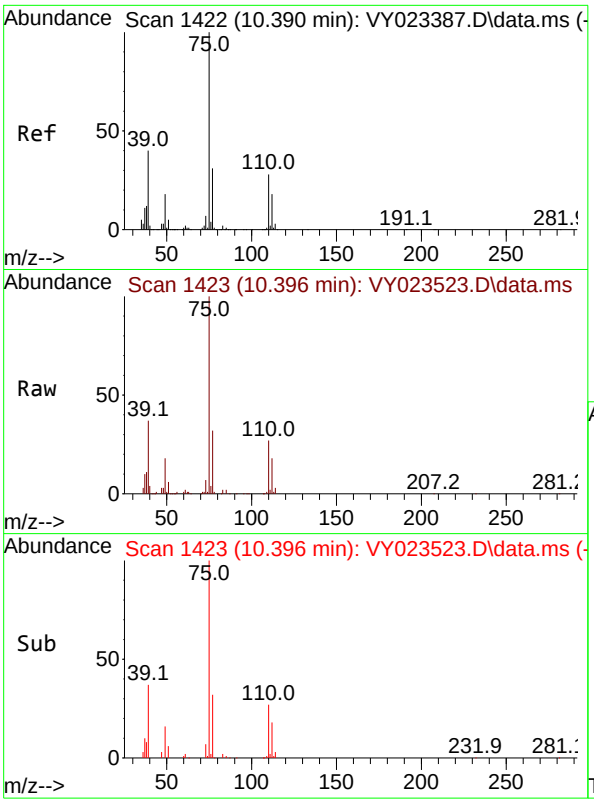


#52
Toluene
Concen: 21.861 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 92 Resp: 260667

Ion	Ratio	Lower	Upper
92	100		
91	170.4	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 19.932 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

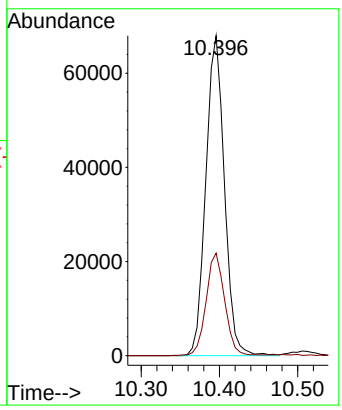
Tgt Ion: 75 Resp: 11195

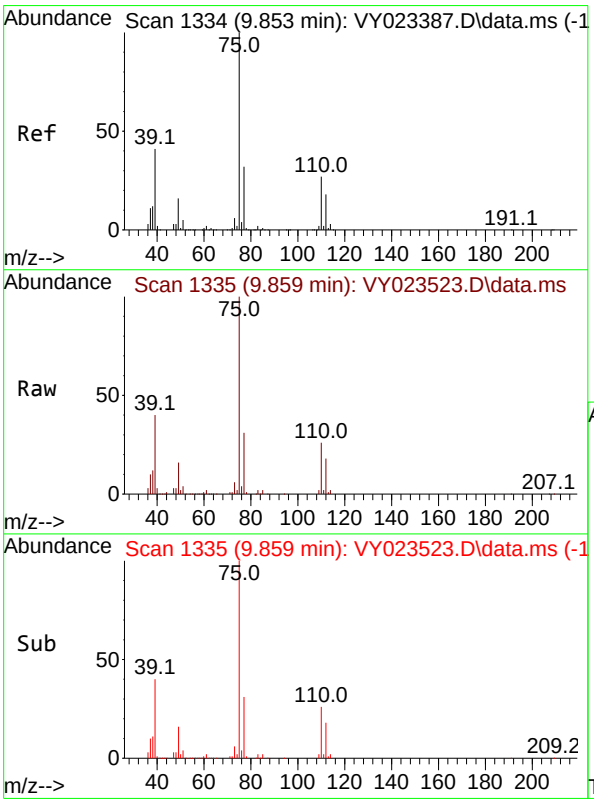
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

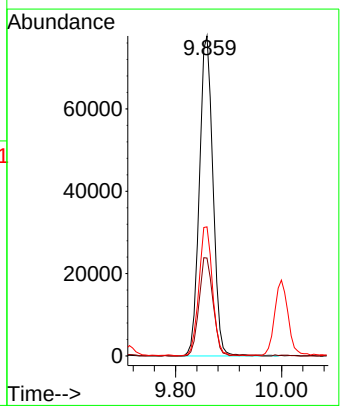


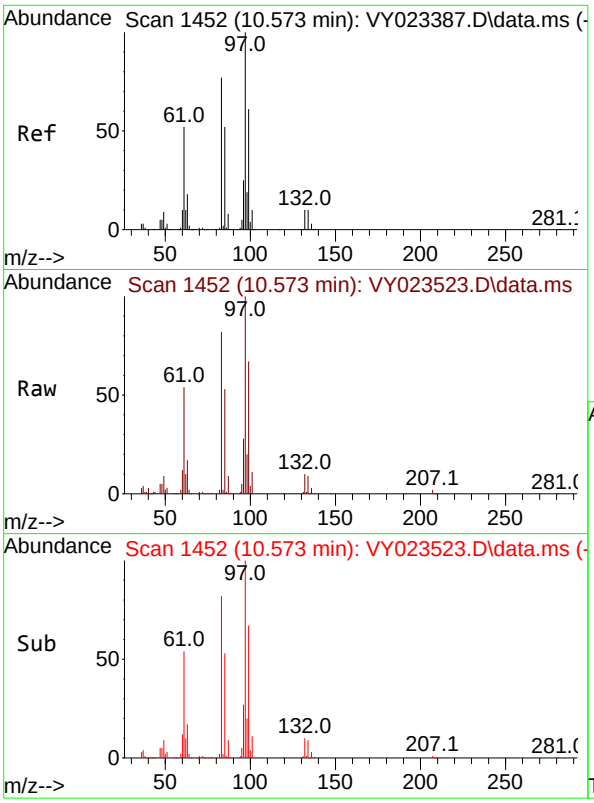


#54
cis-1,3-Dichloropropene
Concen: 20.802 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 75 Resp: 137908

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.0
39	40.3	32.8	49.2

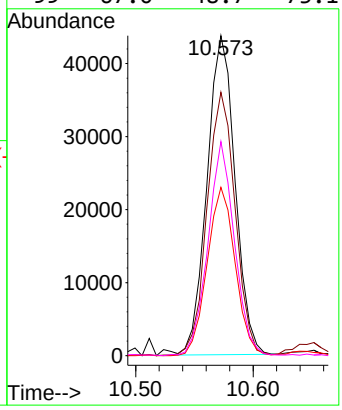




#55
1,1,2-Trichloroethane
Concen: 20.990 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 97 Resp: 7240(

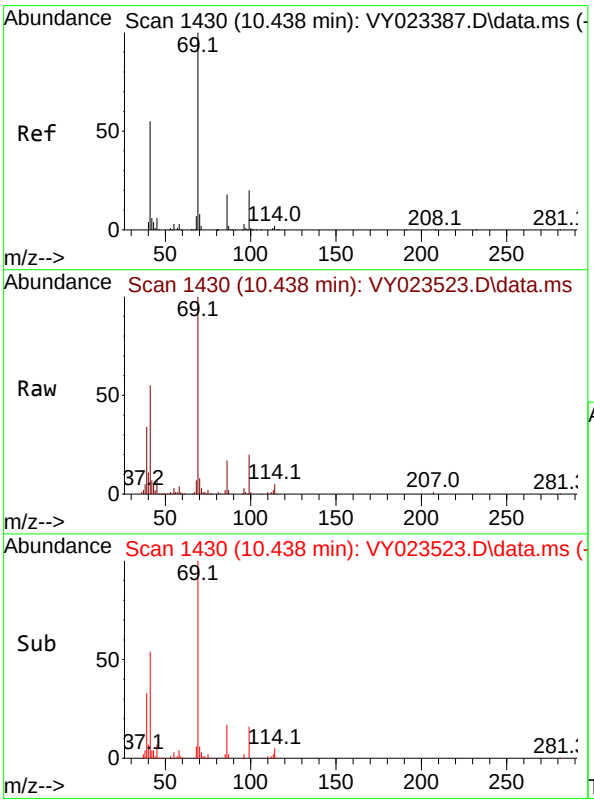
Ion	Ratio	Lower	Upper
97	100		
83	82.2	61.8	92.6
85	52.7	41.3	61.9
99	67.0	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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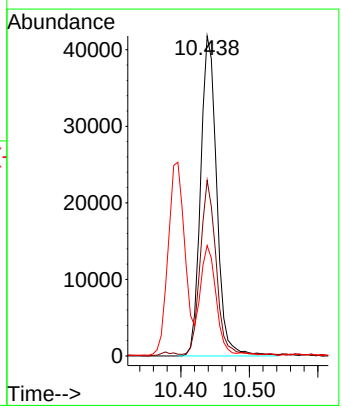
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

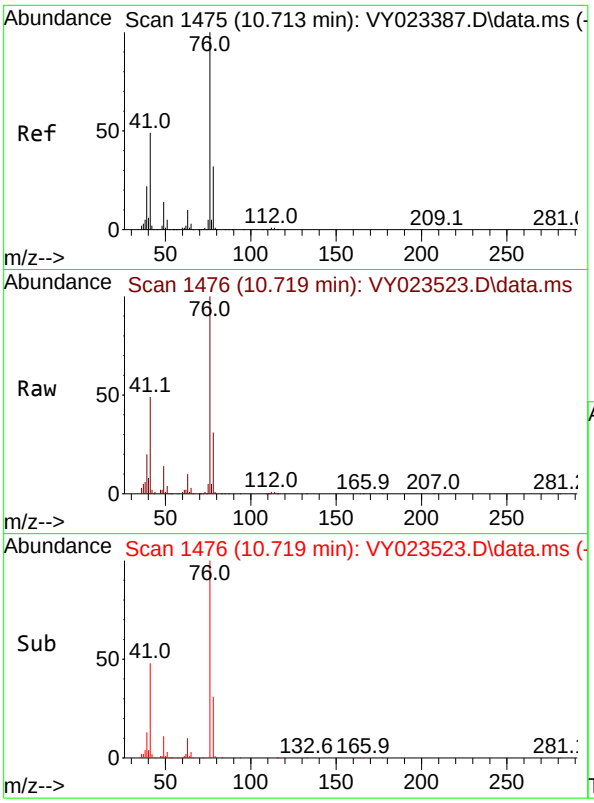


#56
Ethyl methacrylate
Concen: 17.220 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 69 Resp: 68512

Ion	Ratio	Lower	Upper
69	100		
41	52.6	44.6	67.0
39	31.6	27.0	40.4

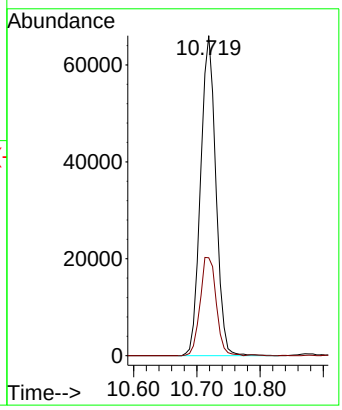




#57
1,3-Dichloropropane
Concen: 20.298 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 76 Resp: 11094

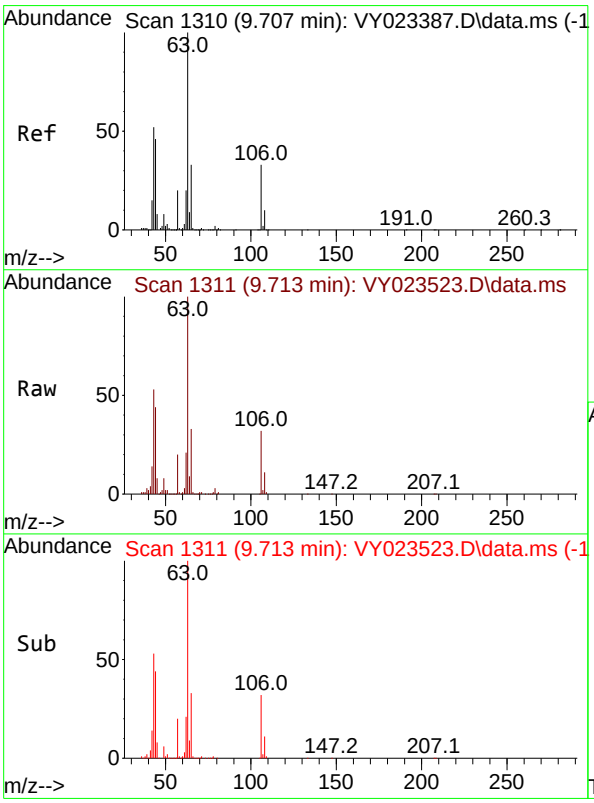
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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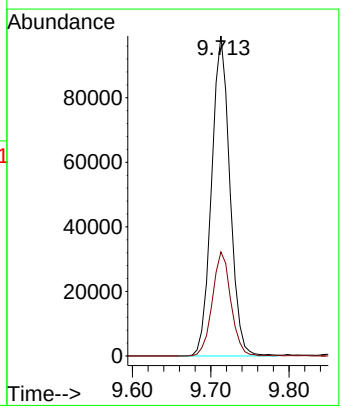
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

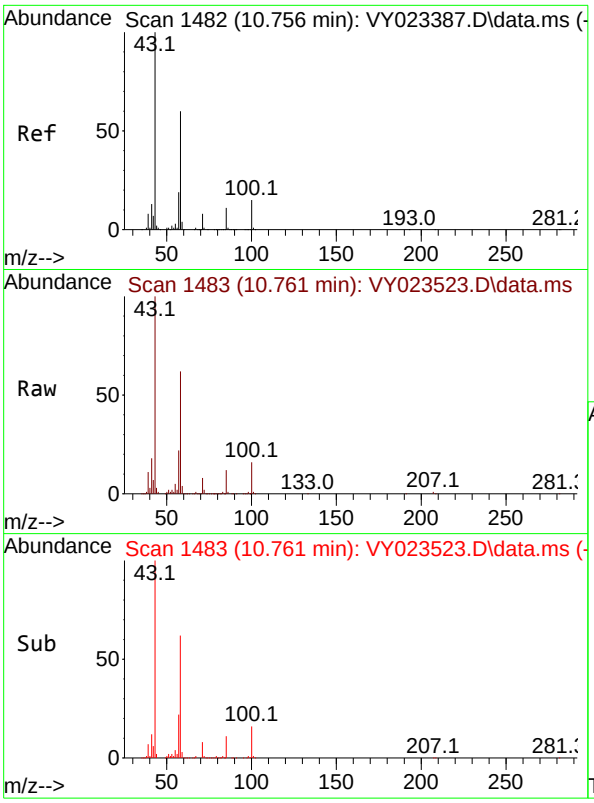


#58
2-Chloroethyl Vinyl ether
Concen: 90.396 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 63 Resp: 161119

Ion	Ratio	Lower	Upper
63	100		
106	33.0	26.6	39.8





#59
2-Hexanone
Concen: 95.882 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

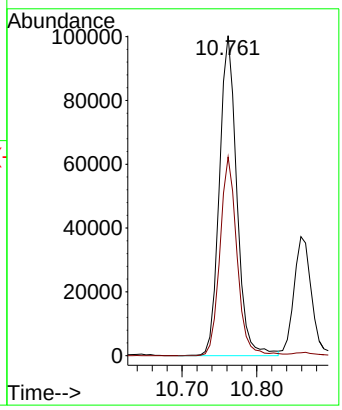
Tgt Ion: 43 Resp: 16218

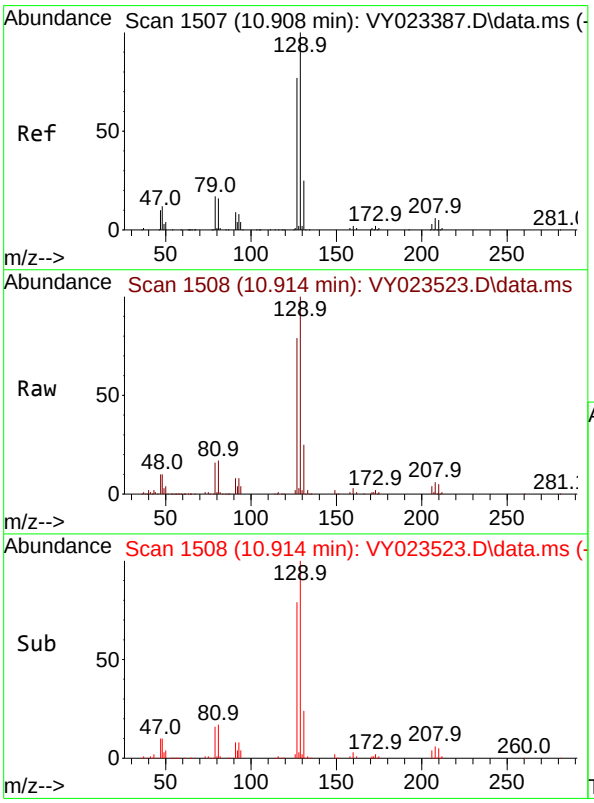
Ion	Ratio	Lower	Upper
43	100		
58	60.9	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

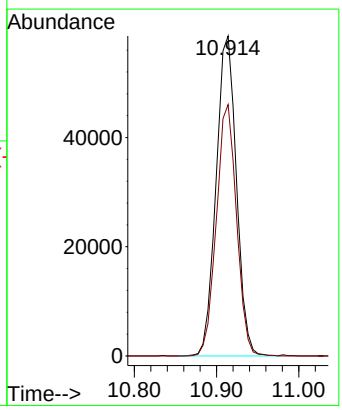


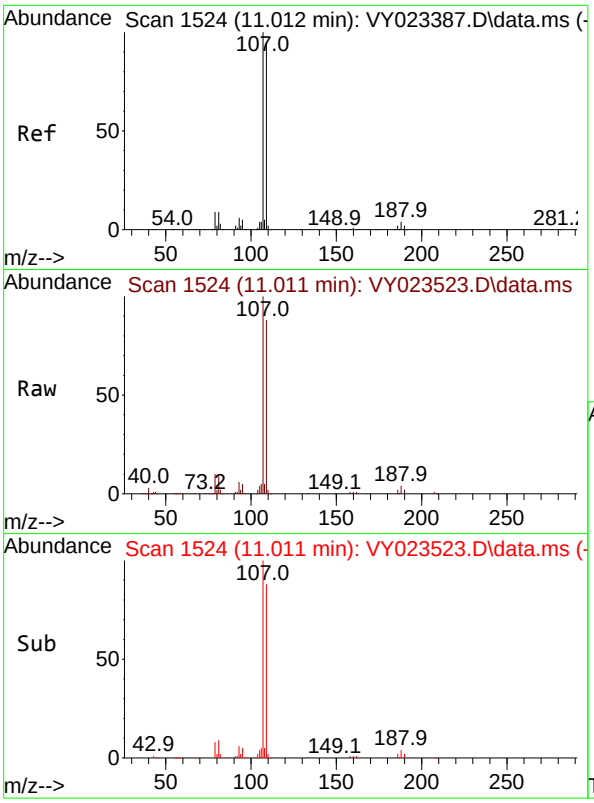


#60
Dibromochloromethane
Concen: 20.815 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:129 Resp: 100658

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.7

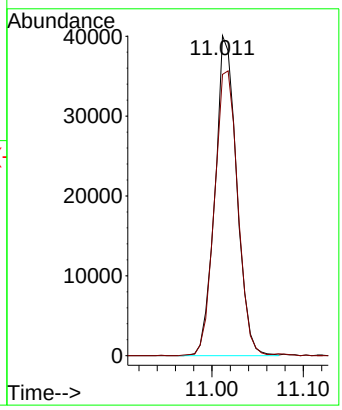




#61
1,2-Dibromoethane
Concen: 20.106 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:107 Resp: 6614

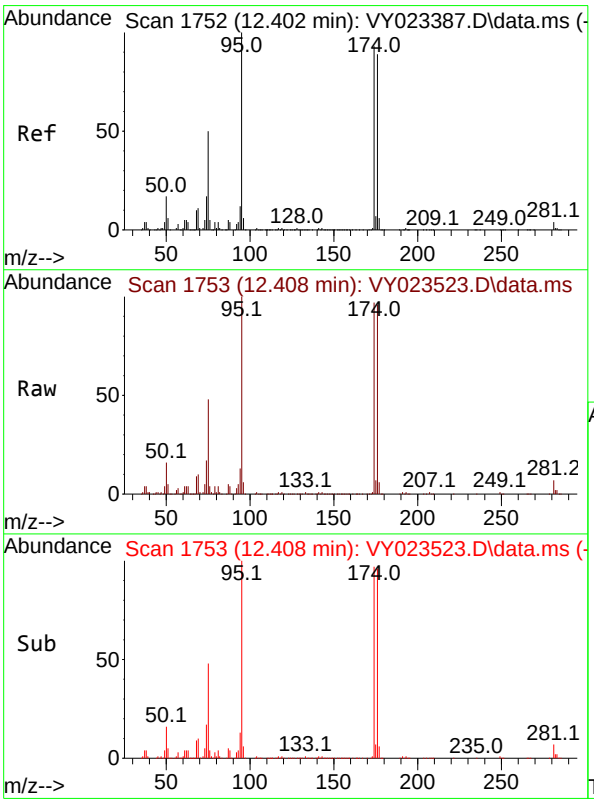
Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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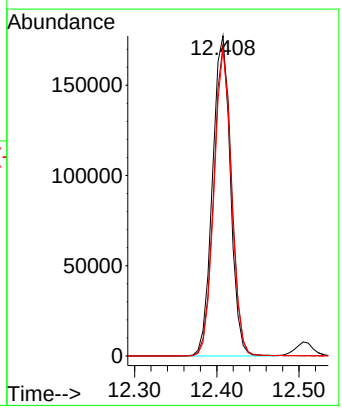
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

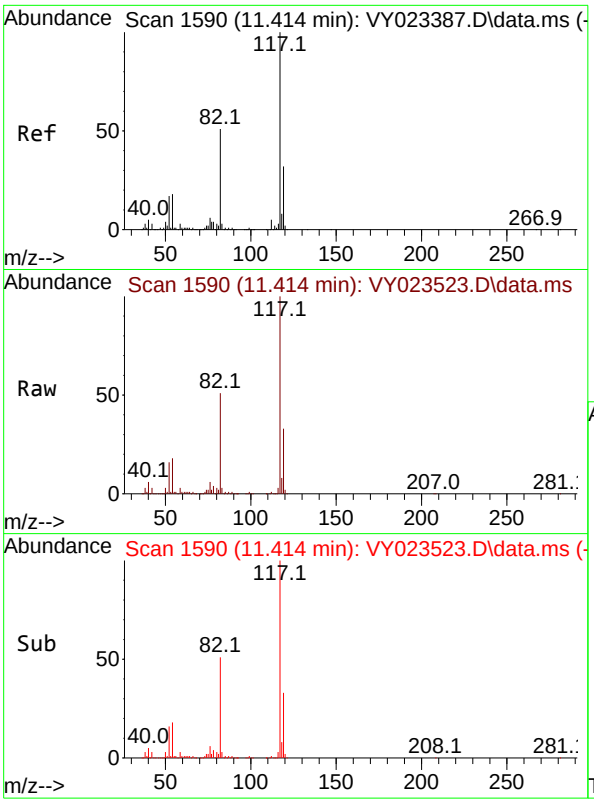


#62
4-Bromofluorobenzene
Concen: 49.942 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 95 Resp: 268965

Ion	Ratio	Lower	Upper
95	100		
174	97.1	0.0	192.8
176	93.2	0.0	187.6

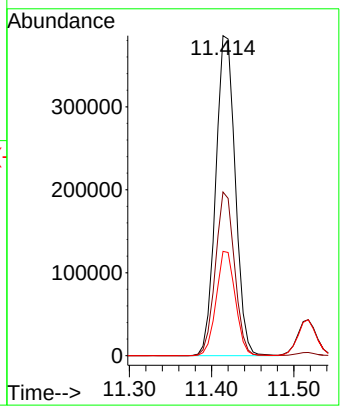




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:117 Resp: 63578

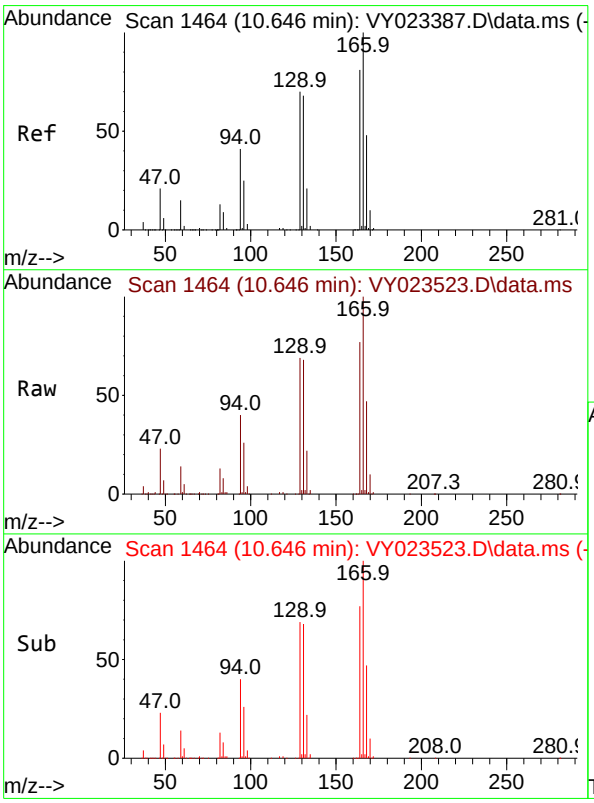
Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.0	61.4
119	32.6	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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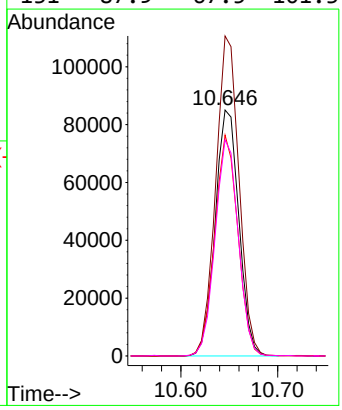
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

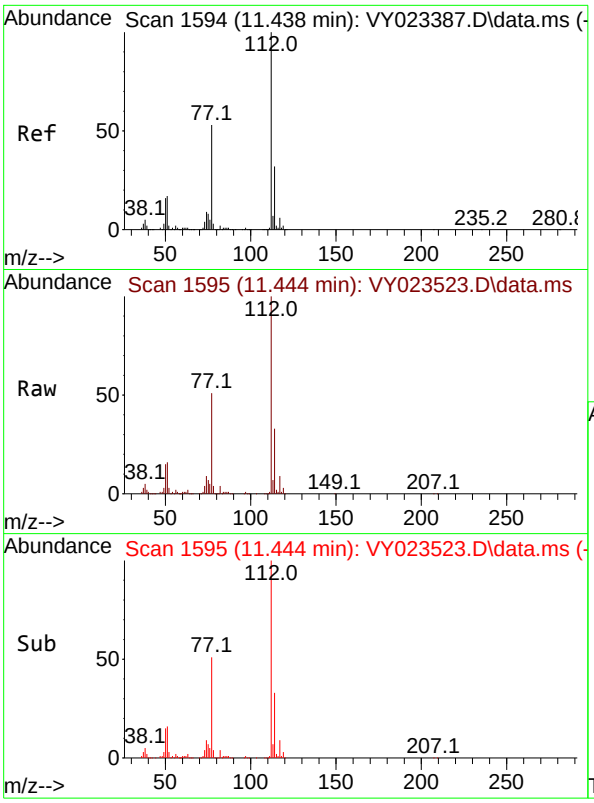


#64
Tetrachloroethene
Concen: 22.026 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:164 Resp: 144595

Ion	Ratio	Lower	Upper
164	100		
166	130.1	99.4	149.0
129	89.8	69.4	104.2
131	87.9	67.5	101.3

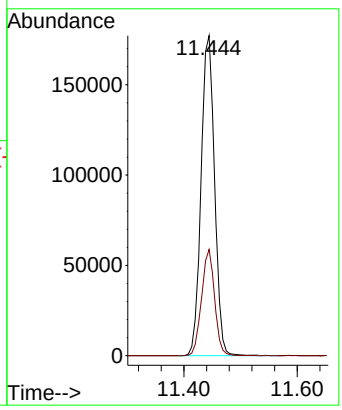




#65
Chlorobenzene
Concen: 21.180 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:112 Resp: 29287

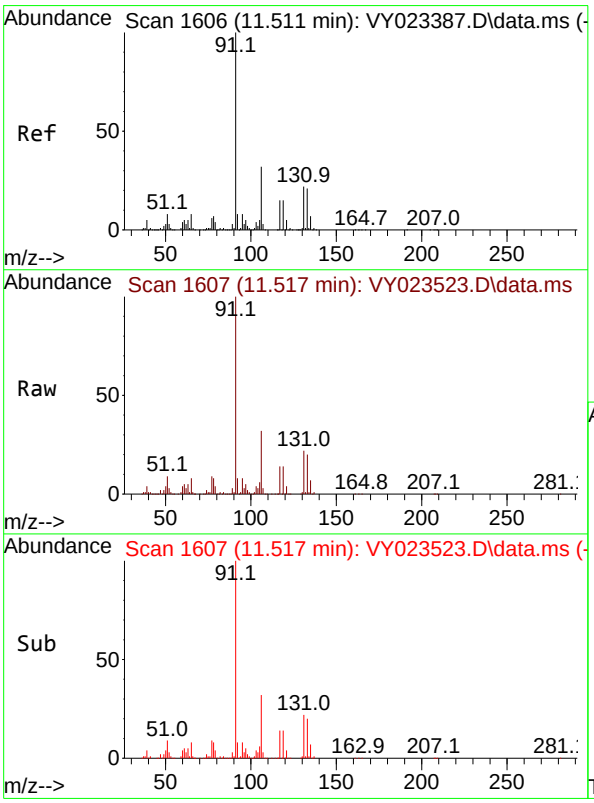
Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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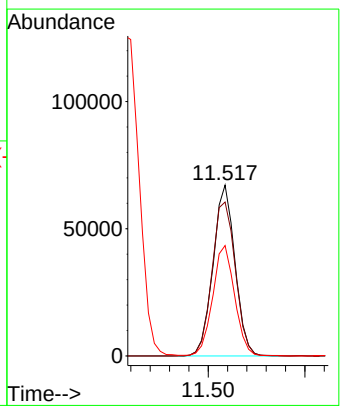
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

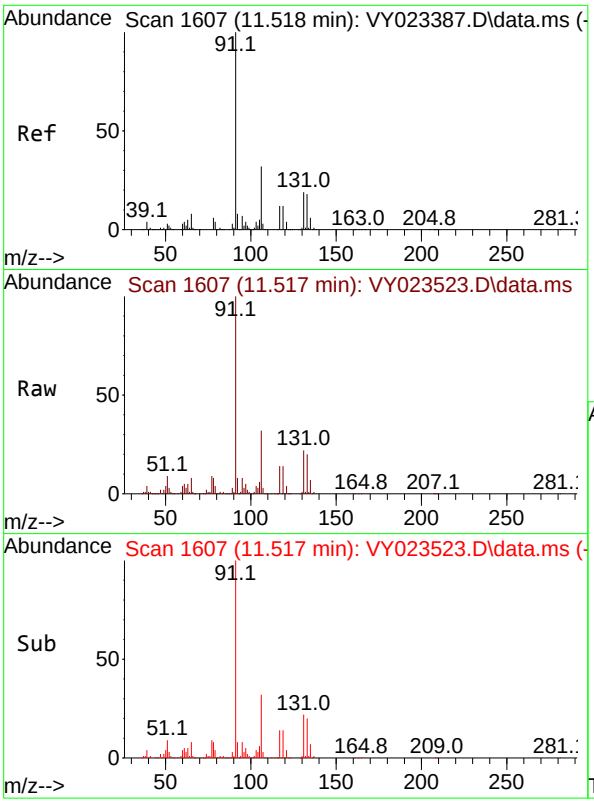


#66
1,1,1,2-Tetrachloroethane
Concen: 21.413 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:131 Resp: 105517

Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.4	145.2
119	65.2	32.4	97.2

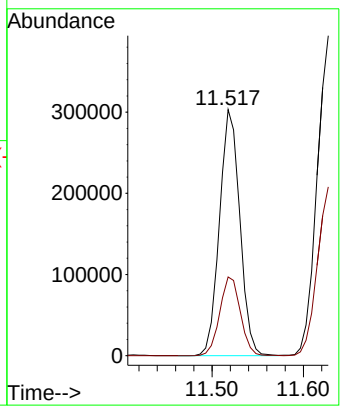




#67
Ethyl Benzene
Concen: 20.972 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 91 Resp: 4694

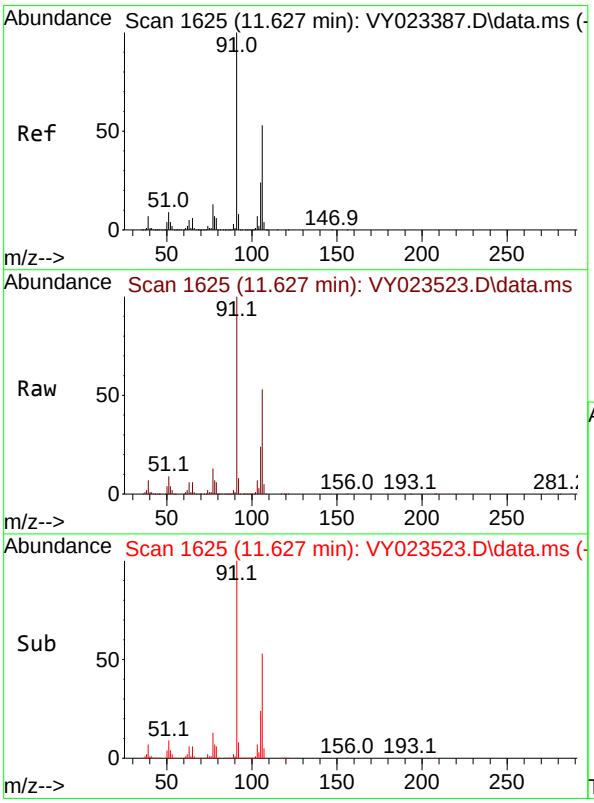
Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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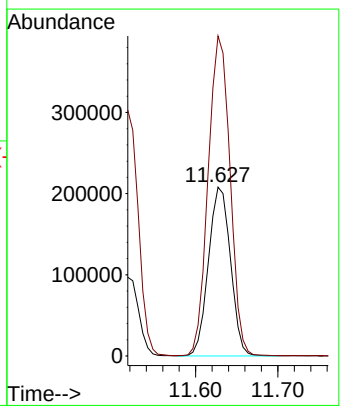
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

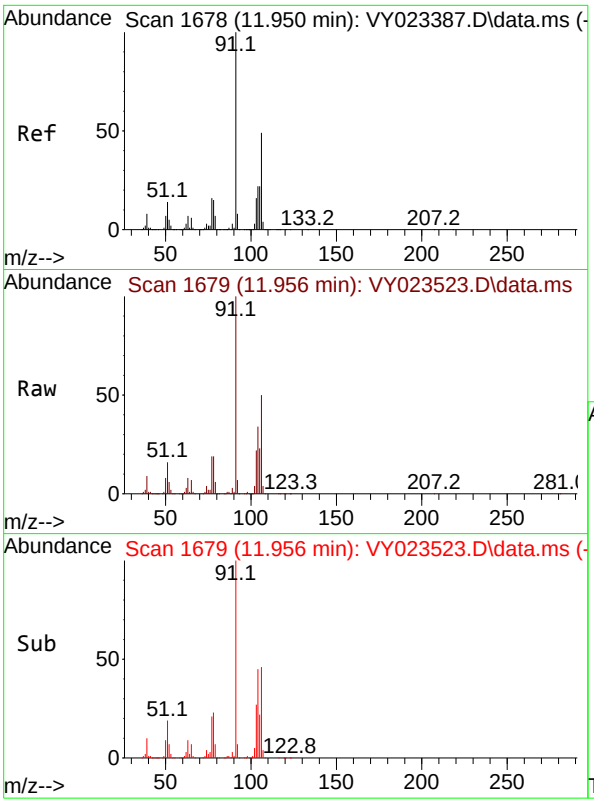


#68
m/p-Xylenes
Concen: 43.069 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:106 Resp: 386672

Ion	Ratio	Lower	Upper
106	100		
91	188.5	152.6	229.0





#69
o-Xylene
Concen: 20.563 ug/l
RT: 11.956 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

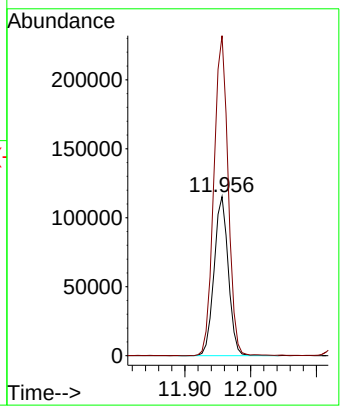
Tgt Ion:106 Resp: 17315

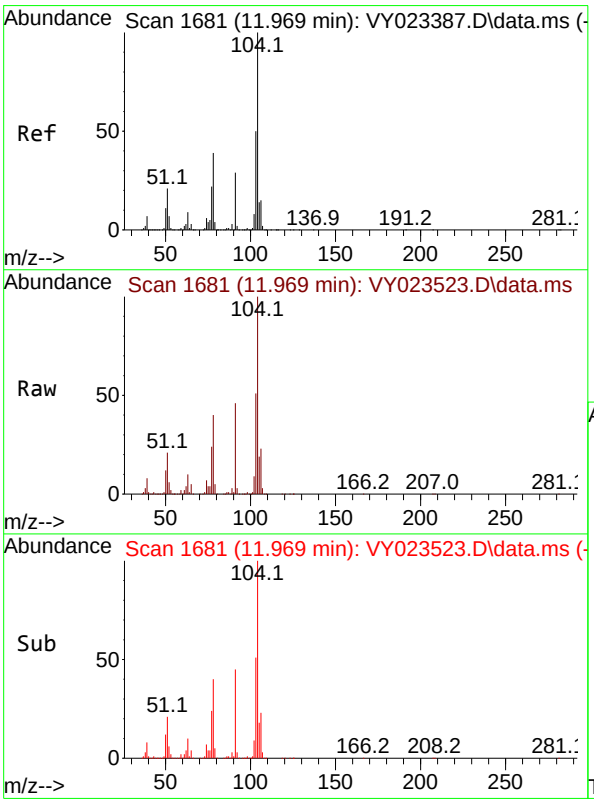
Ion	Ratio	Lower	Upper
106	100		
91	202.7	101.4	304.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

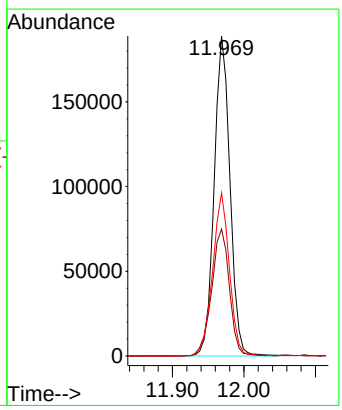


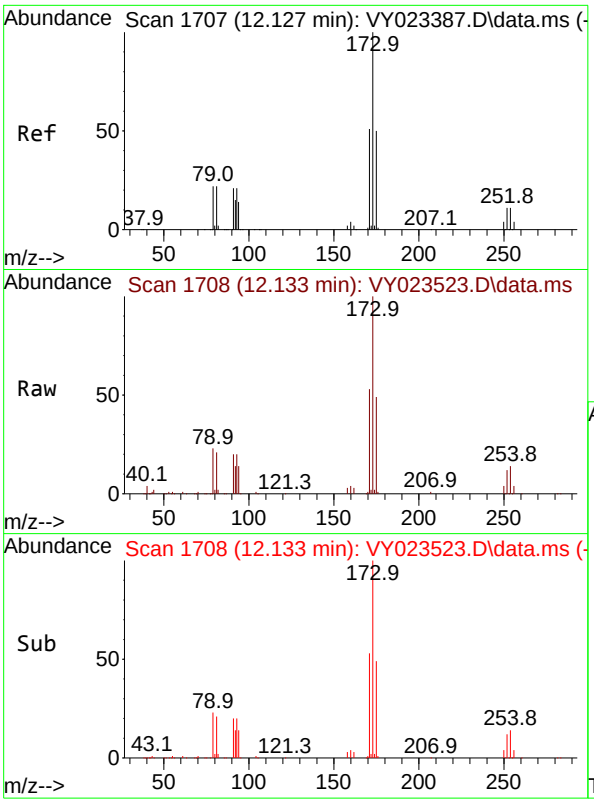


#70
Styrene
Concen: 20.968 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:104 Resp: 290368

Ion	Ratio	Lower	Upper
104	100		
78	44.4	36.1	54.1
103	54.0	43.2	64.8

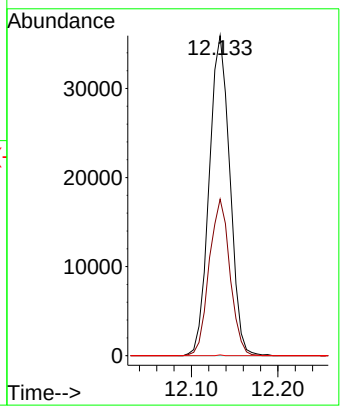




#71
Bromoform
Concen: 19.497 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:173 Resp: 5959

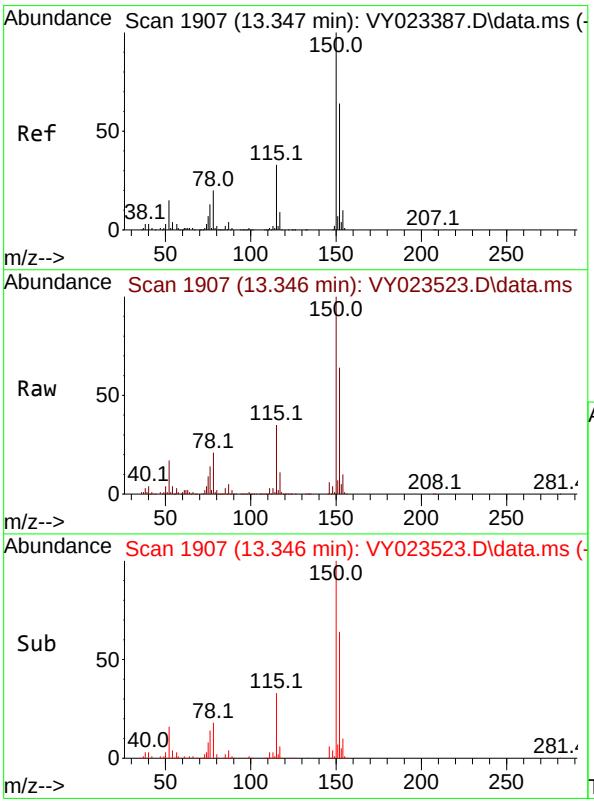
Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.8	74.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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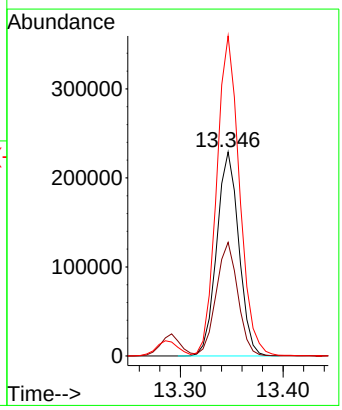
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

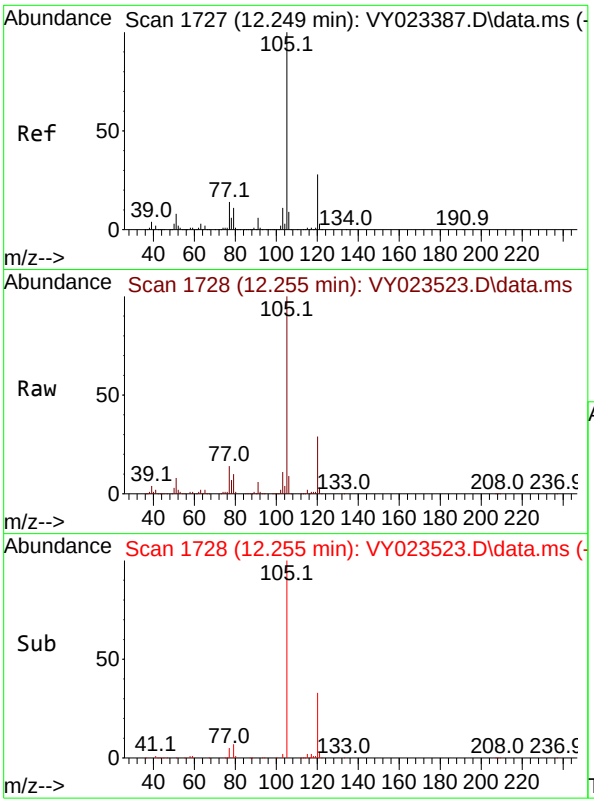


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:152 Resp: 341398

Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.1	81.2
150	162.6	0.0	347.4

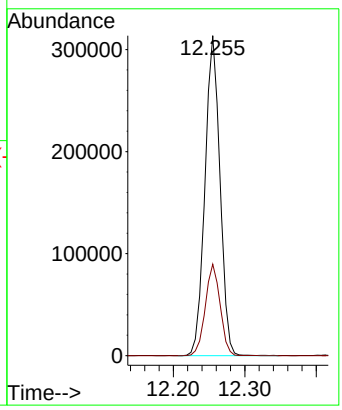




#73
Isopropylbenzene
Concen: 20.332 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:105 Resp: 45743

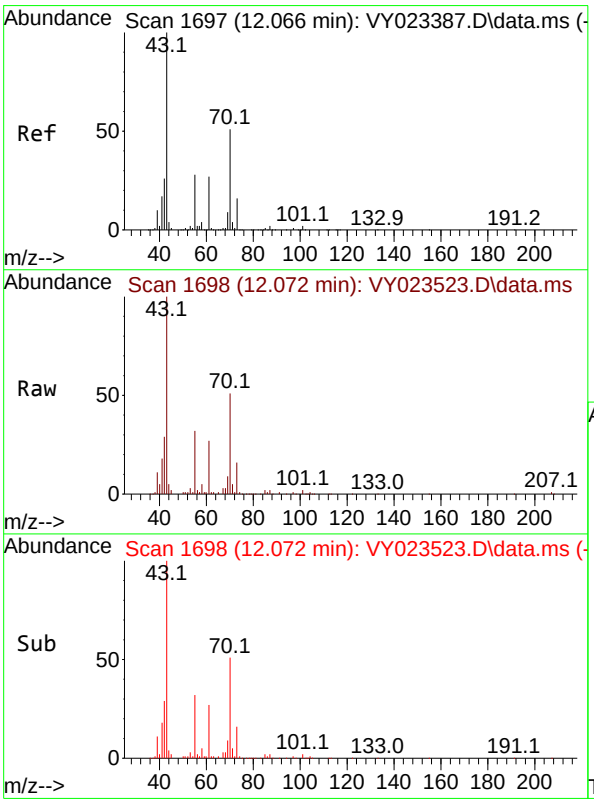
Ion	Ratio	Lower	Upper
105	100		
120	28.2	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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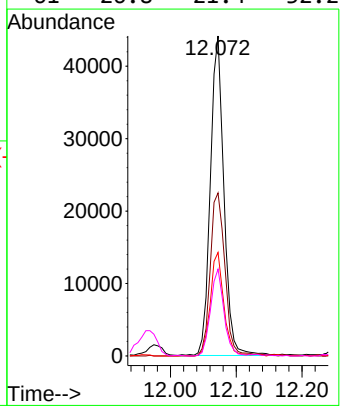
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

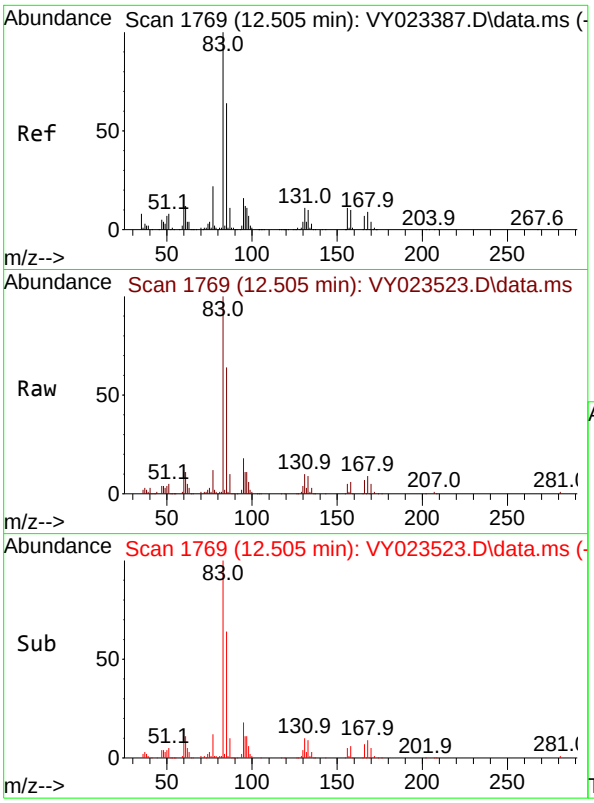


#74
N-amyl acetate
Concen: 15.757 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 43 Resp: 63675

Ion	Ratio	Lower	Upper
43	100		
70	55.1	41.1	61.7
55	32.1	23.0	34.6
61	26.8	21.4	32.2

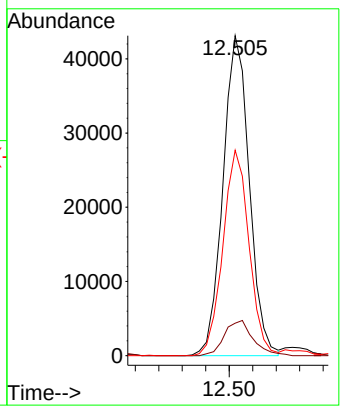




#75
1,1,2,2-Tetrachloroethane
Concen: 18.231 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 83 Resp: 6708

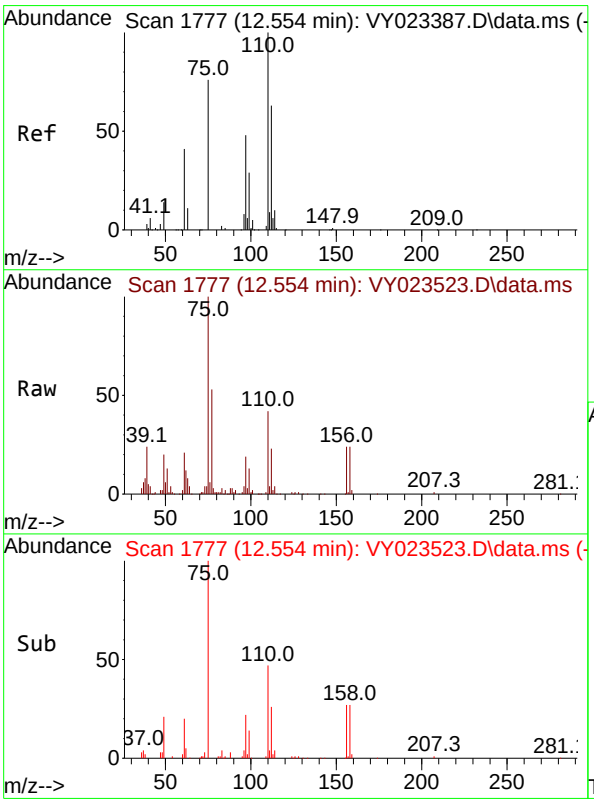
Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.9	17.6
85	63.8	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
APPROVED

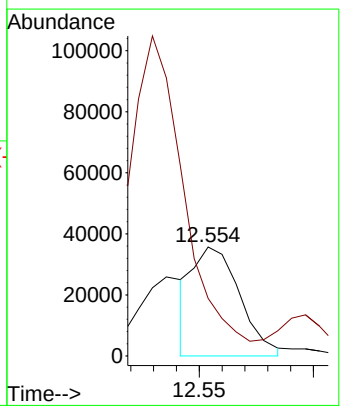
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

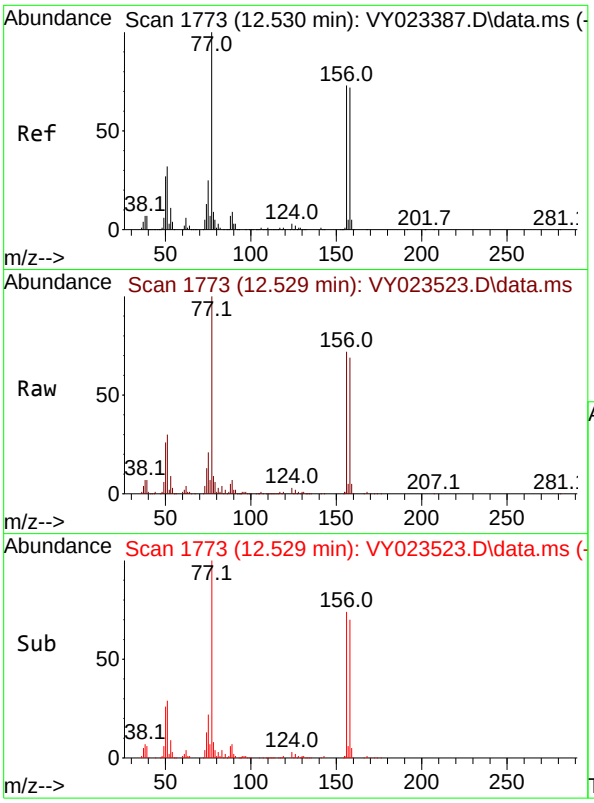


#76
1,2,3-Trichloropropane
Concen: 17.049 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 75 Resp: 51352

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

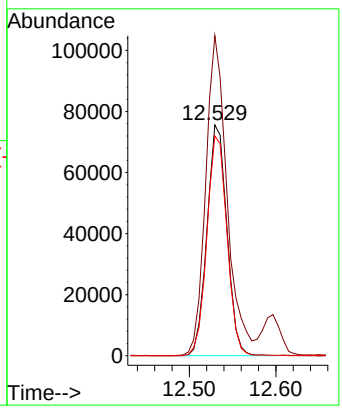




#77
Bromobenzene
Concen: 20.220 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:156 Resp: 12094

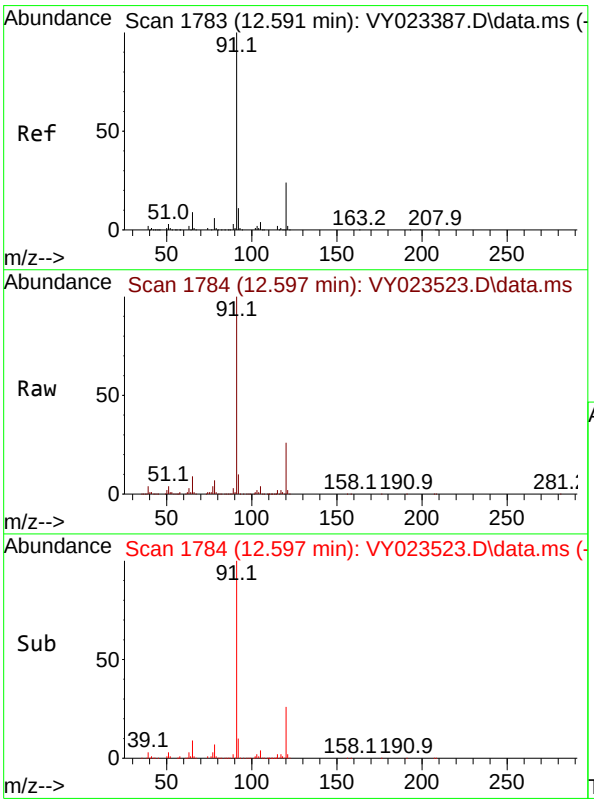
Ion	Ratio	Lower	Upper
156	100		
77	148.4	76.8	230.5
158	96.0	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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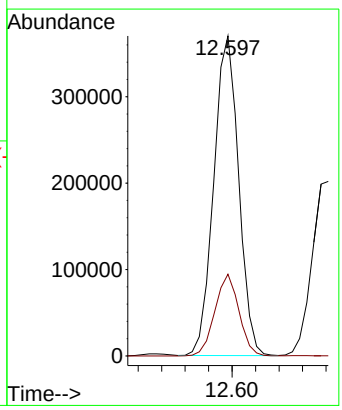
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

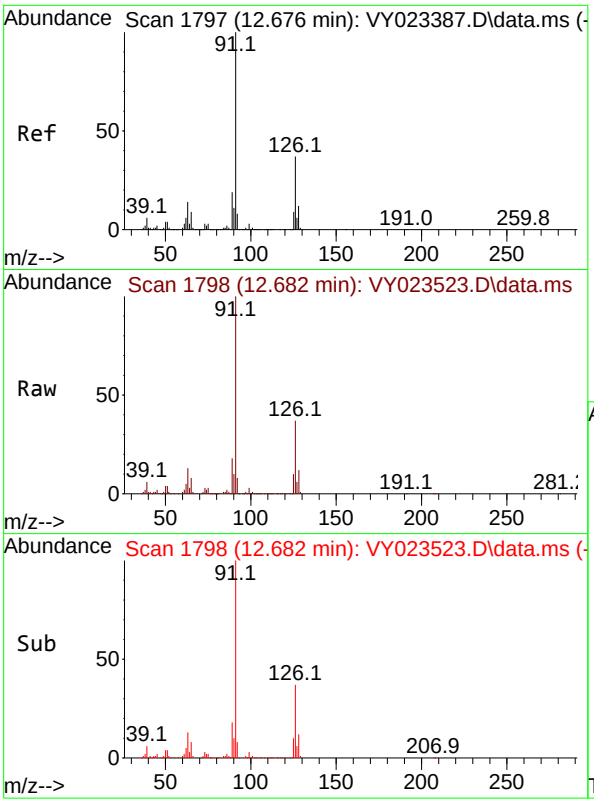


#78
n-propylbenzene
Concen: 20.896 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 91 Resp: 544028

Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.8

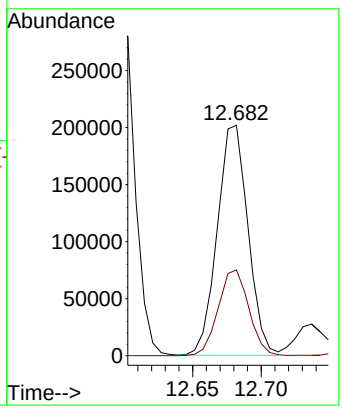




#79
2-Chlorotoluene
Concen: 20.636 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 91 Resp: 31461

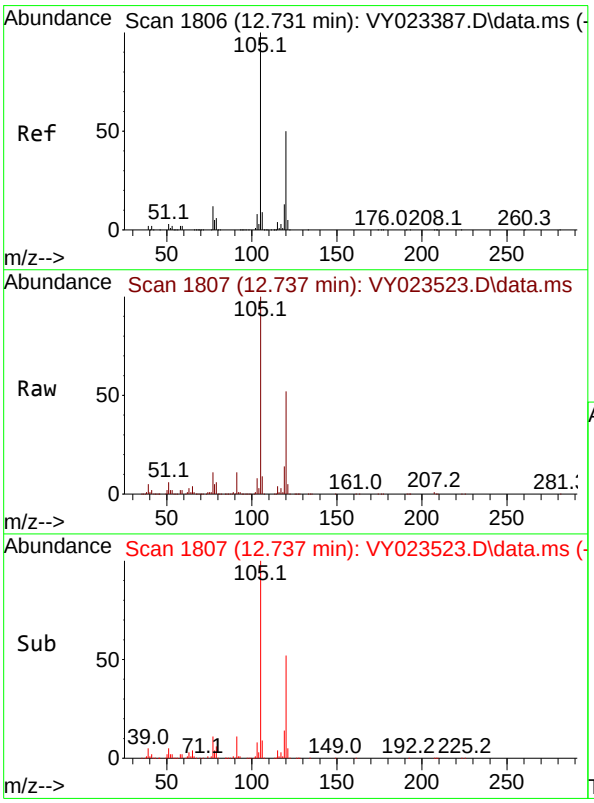
Ion	Ratio	Lower	Upper
91	100		
126	37.2	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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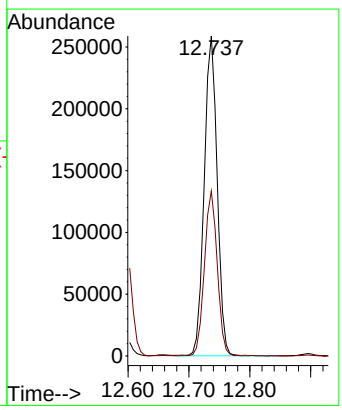
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

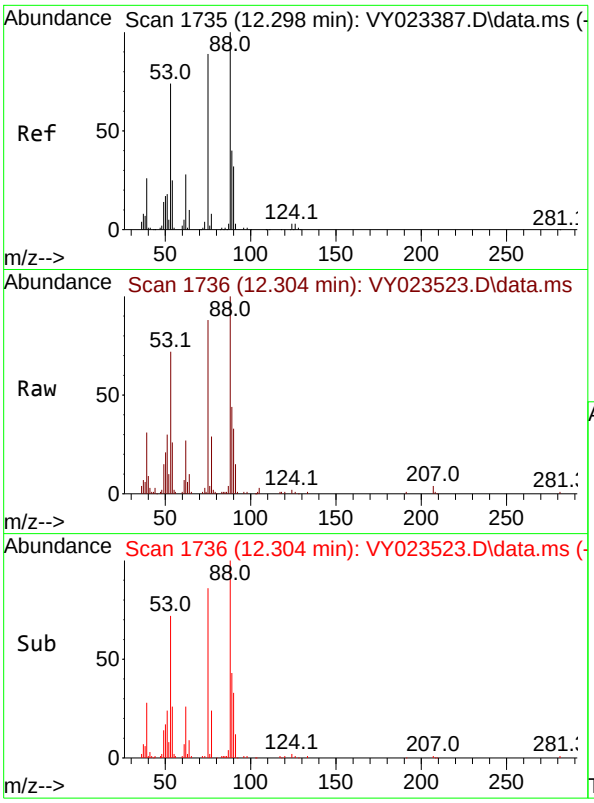


#80
1,3,5-Trimethylbenzene
Concen: 21.030 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:105 Resp: 382336

Ion	Ratio	Lower	Upper
105	100		
120	50.9	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 17.532 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

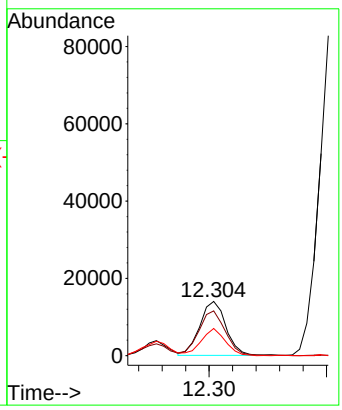
Tgt Ion: 75 Resp: 2153

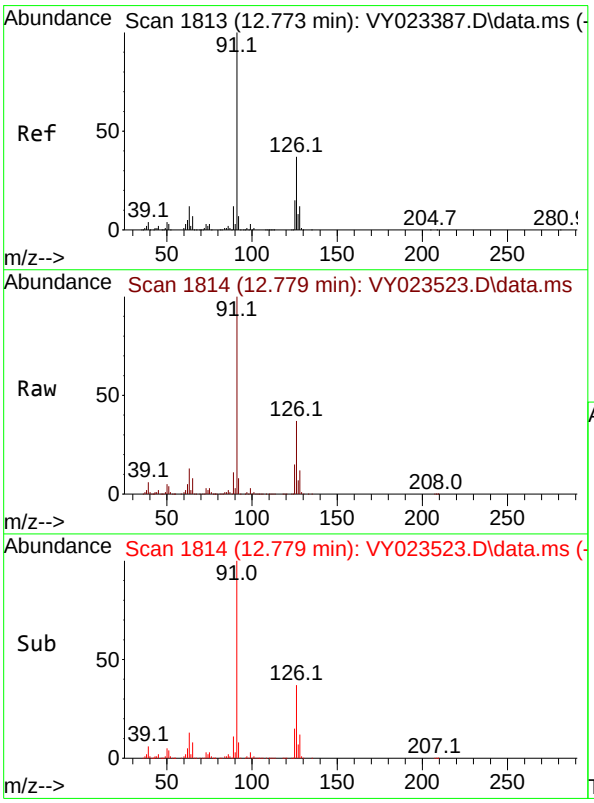
Ion	Ratio	Lower	Upper
75	100		
53	85.7	68.6	102.8
89	47.2	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

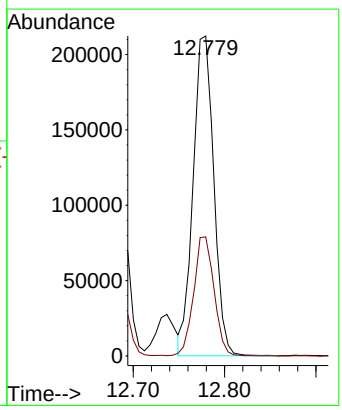


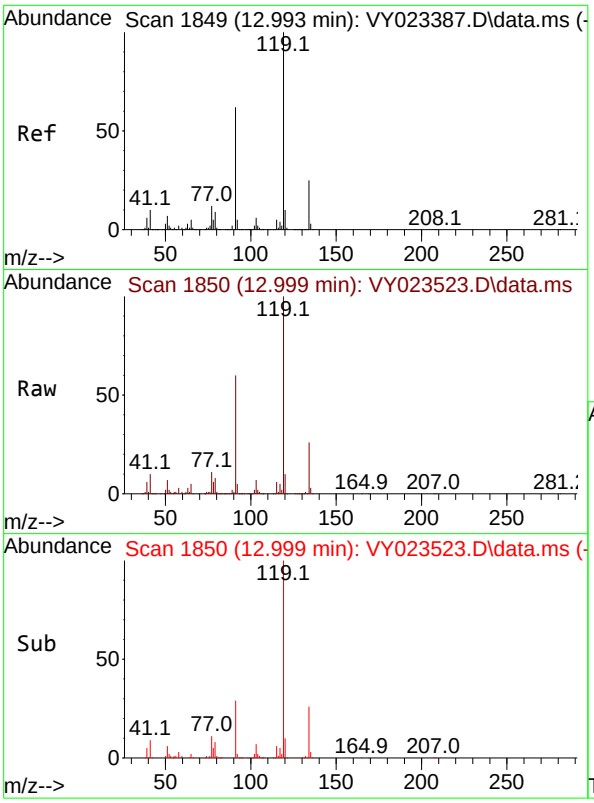


#82
4-Chlorotoluene
Concen: 21.231 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 91 Resp: 333366

Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.4	55.4

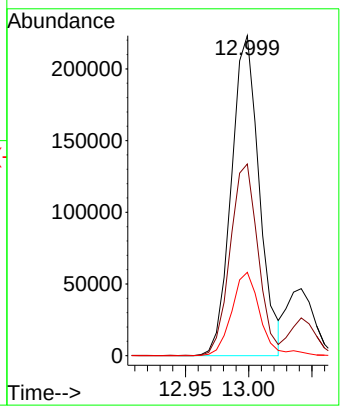




#83
tert-Butylbenzene
Concen: 20.426 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:119 Resp: 34287

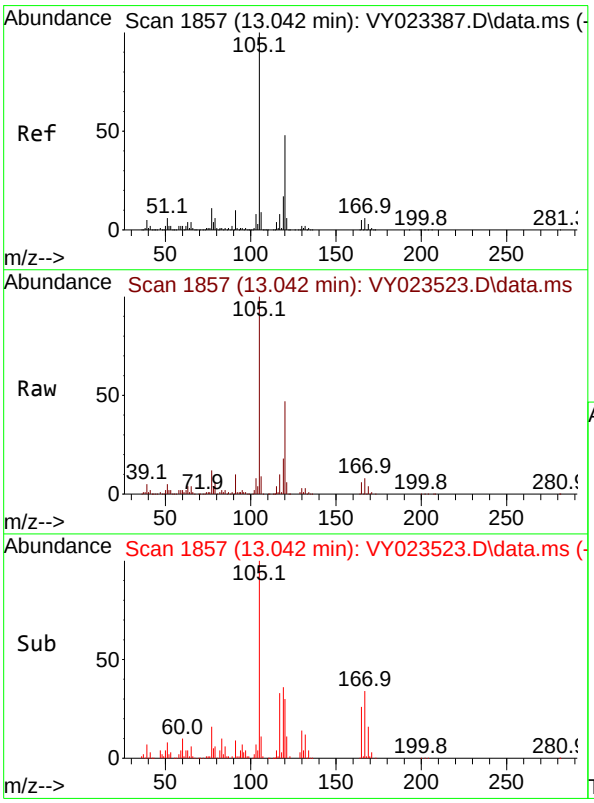
Ion	Ratio	Lower	Upper
119	100		
91	59.7	29.9	89.8
134	26.7	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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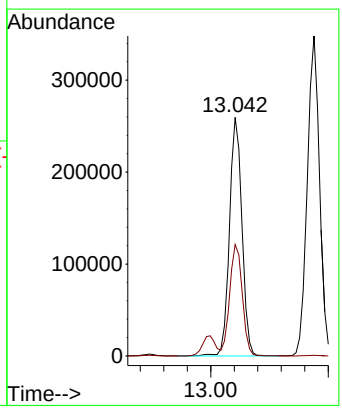
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

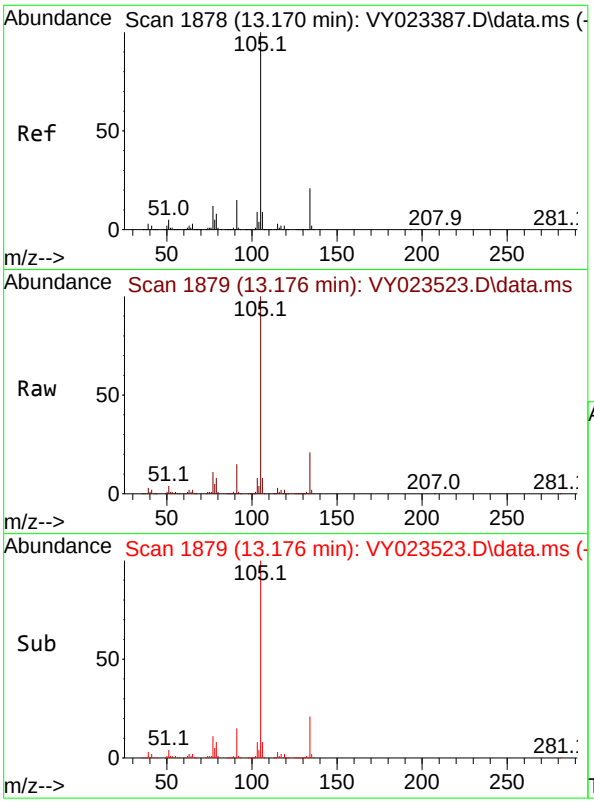


#84
1,2,4-Trimethylbenzene
Concen: 21.093 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:105 Resp: 382715

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.8	71.2





#85
sec-Butylbenzene
Concen: 20.959 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

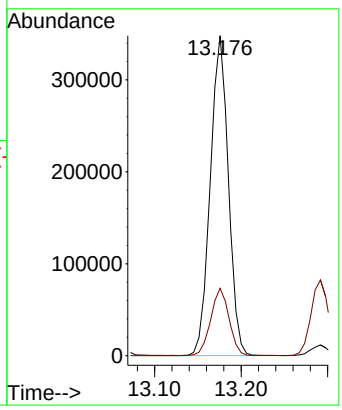
Tgt Ion:105 Resp: 50469

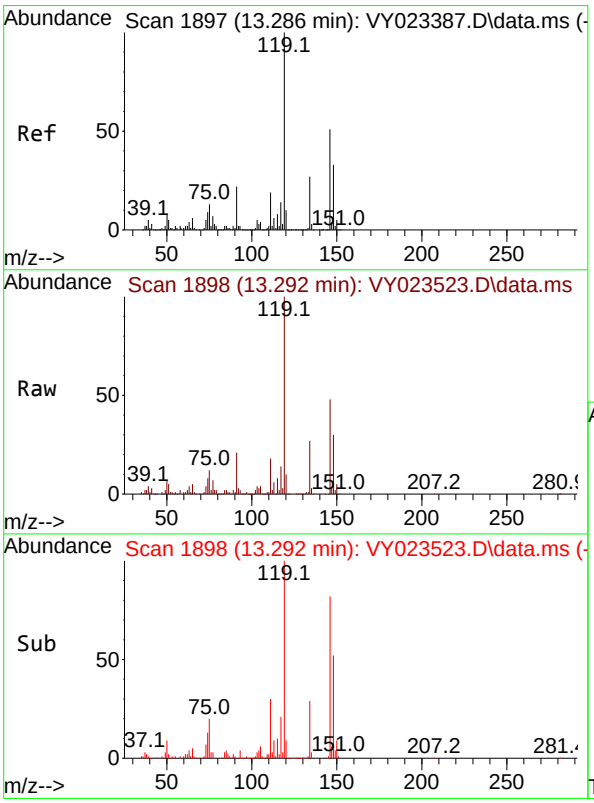
Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	32.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

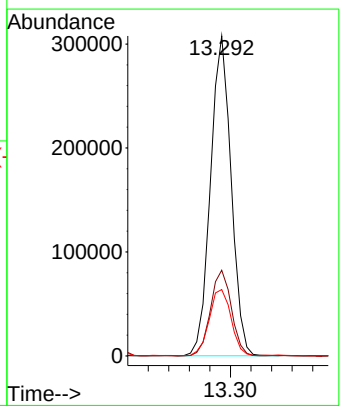


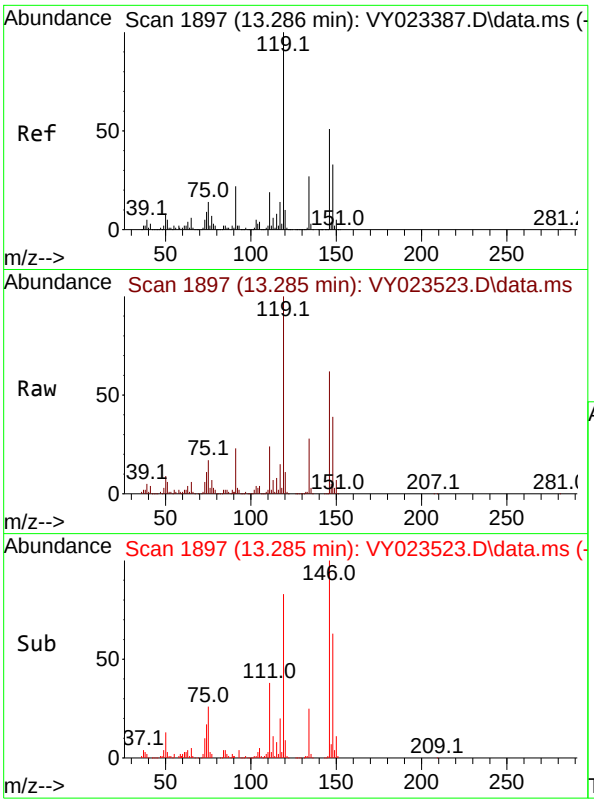


#86
p-Isopropyltoluene
Concen: 20.856 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:119 Resp: 427597

Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.6	40.7
91	21.9	10.9	32.9

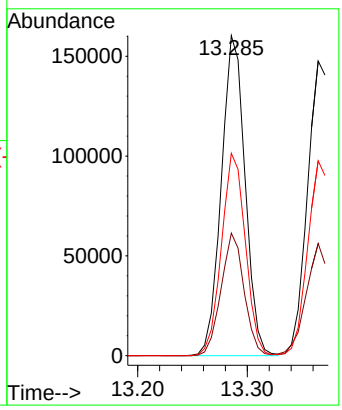




#87
1,3-Dichlorobenzene
Concen: 20.738 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:146 Resp: 24154

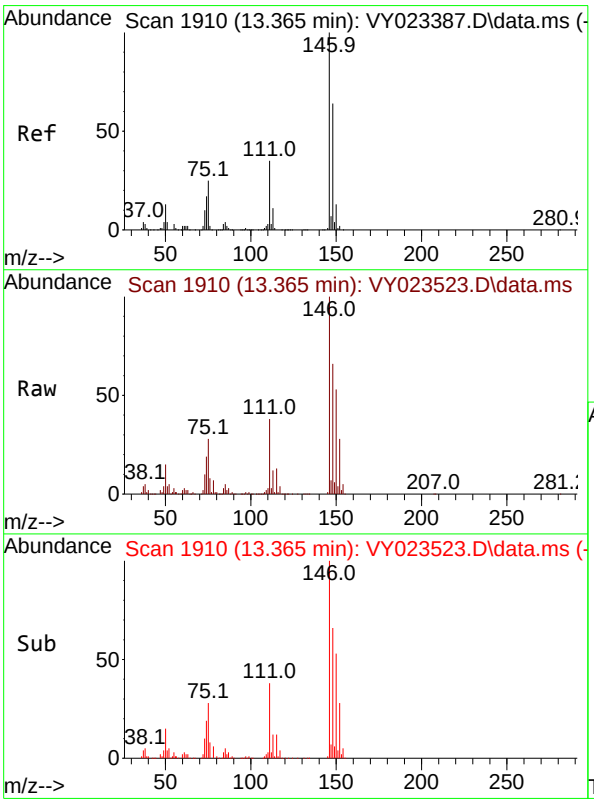
Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	63.7	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
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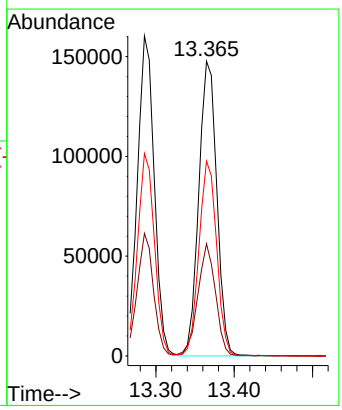
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

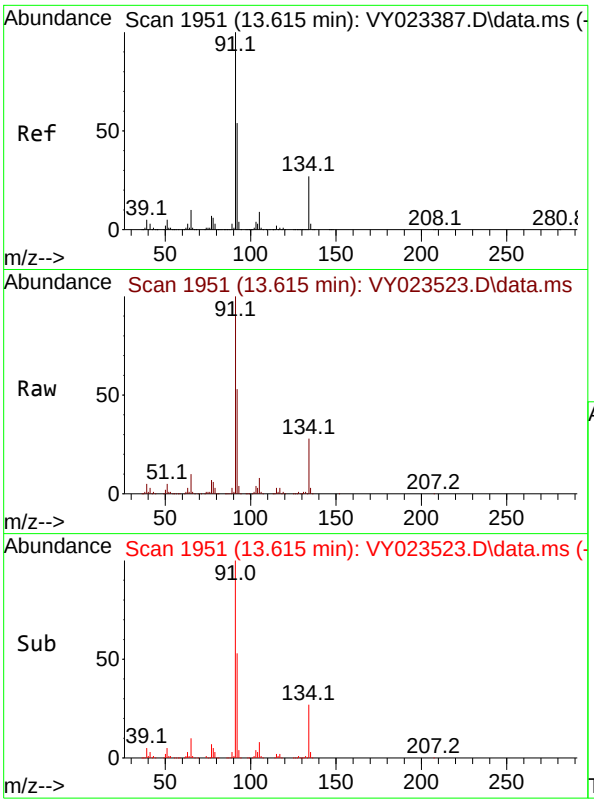


#88
1,4-Dichlorobenzene
Concen: 20.523 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:146 Resp: 236089

Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.0	54.0
148	65.0	31.9	95.7

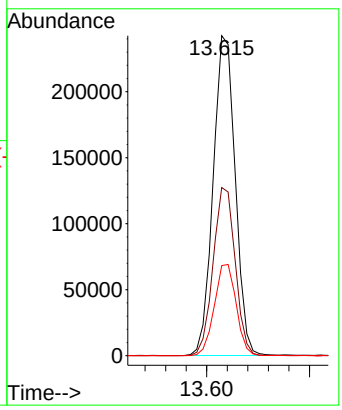




#89
n-Butylbenzene
Concen: 20.198 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 91 Resp: 360818

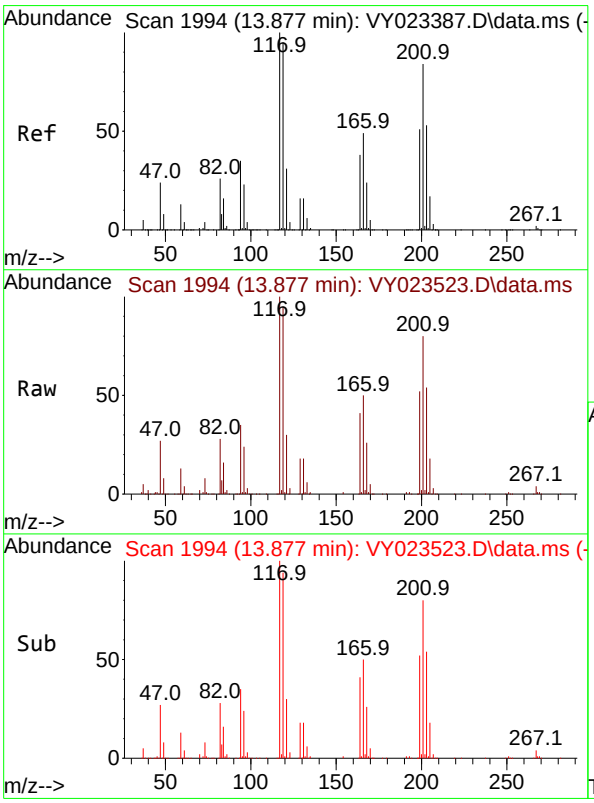
Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.0	80.8
134	28.3	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
APPROVED

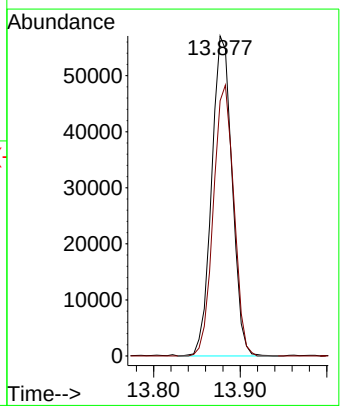
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

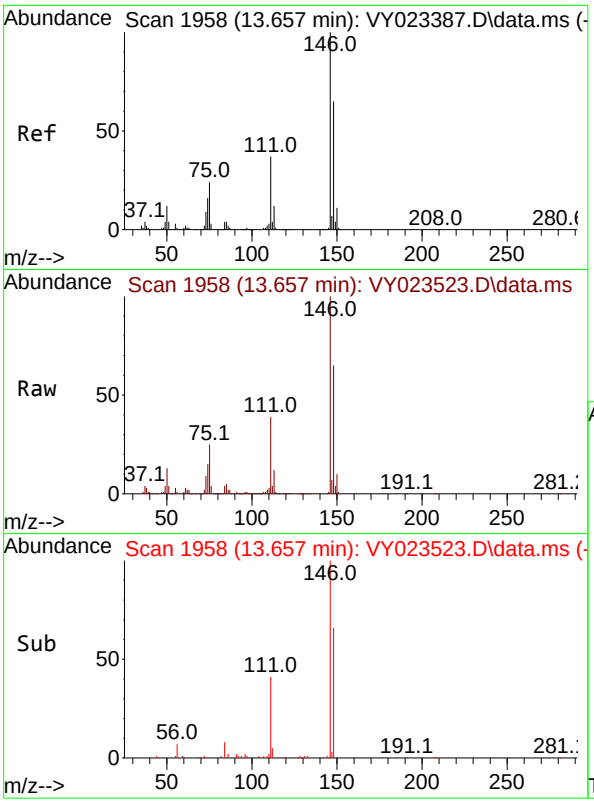


#90
Hexachloroethane
Concen: 21.177 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:117 Resp: 93382

Ion	Ratio	Lower	Upper
117	100		
201	84.8	43.8	131.4

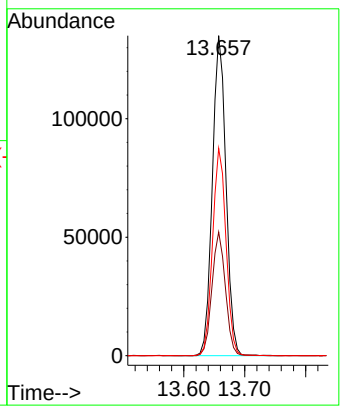




#91
1,2-Dichlorobenzene
Concen: 20.472 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:146 Resp: 20904

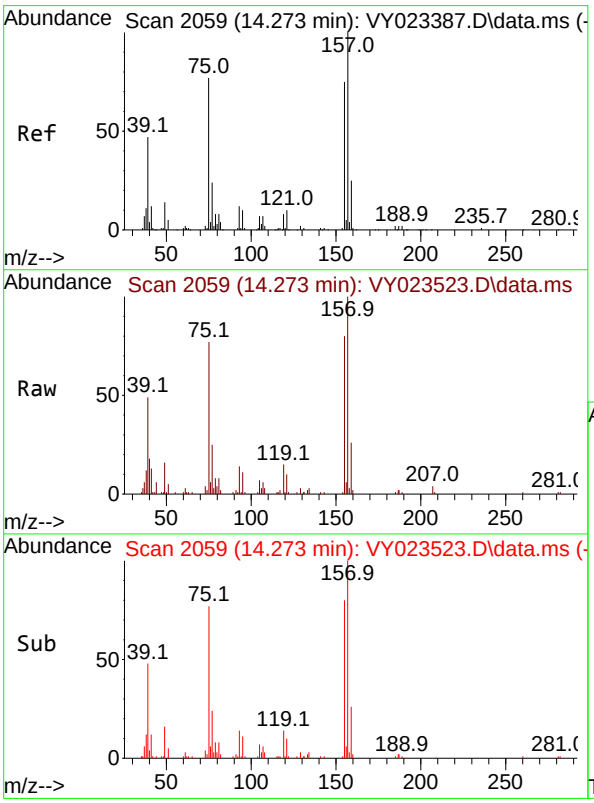
Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	64.3	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
APPROVED

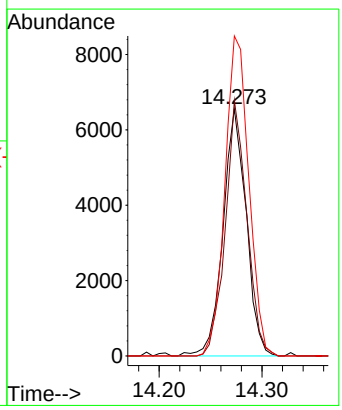
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

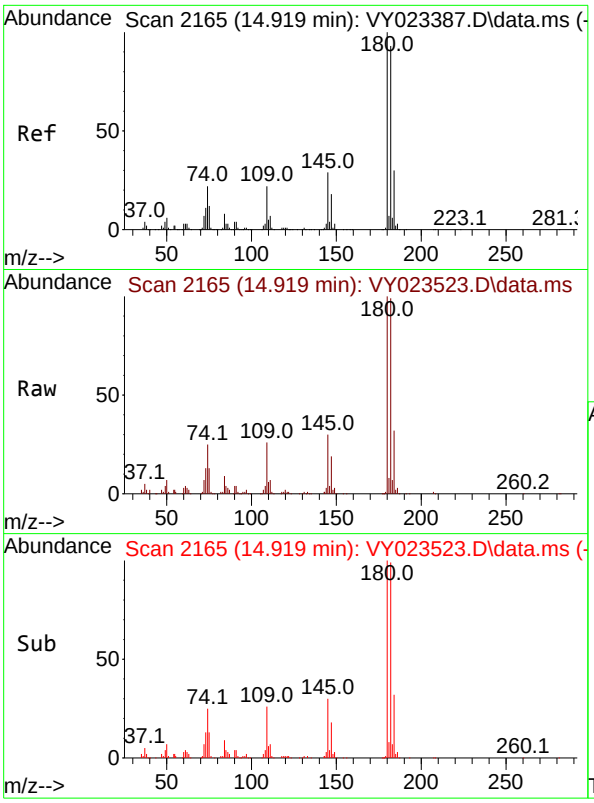


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.023 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion: 75 Resp: 10278

Ion	Ratio	Lower	Upper
75	100		
155	96.3	50.0	150.0
157	133.3	63.8	191.5

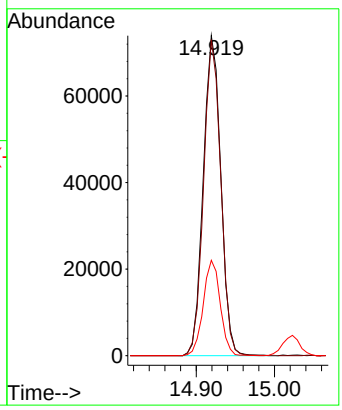




#93
1,2,4-Trichlorobenzene
Concen: 18.029 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:180 Resp: 11477

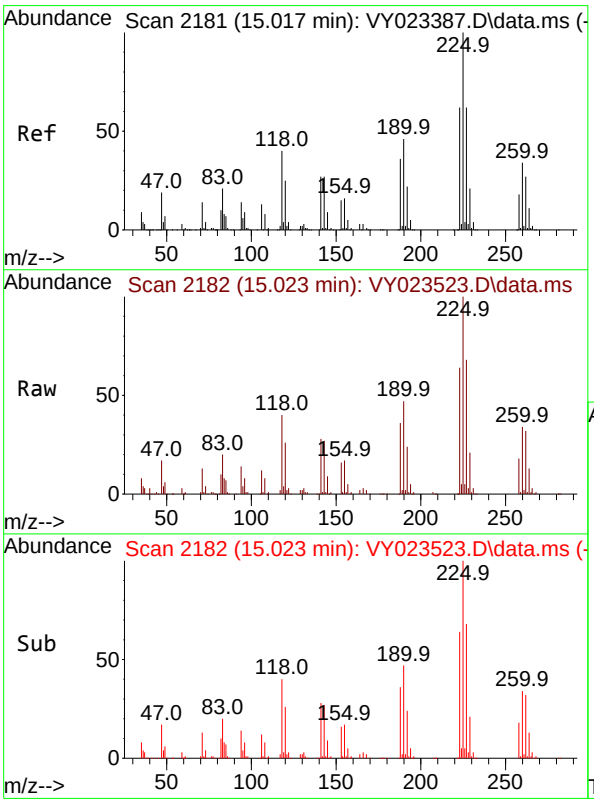
Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.6
145	28.9	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
APPROVED

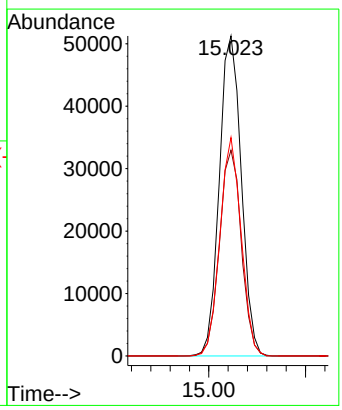
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

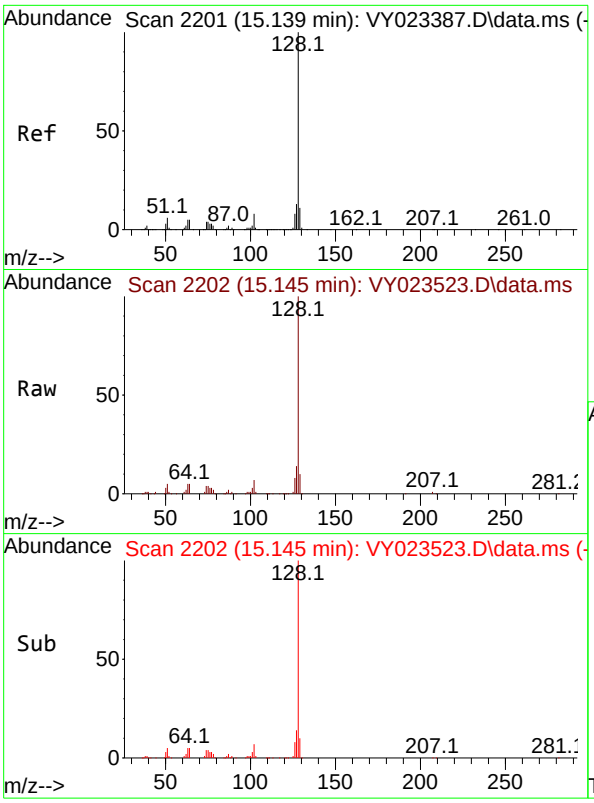


#94
Hexachlorobutadiene
Concen: 20.338 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:225 Resp: 80710

Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.8	92.3
227	66.0	31.9	95.7

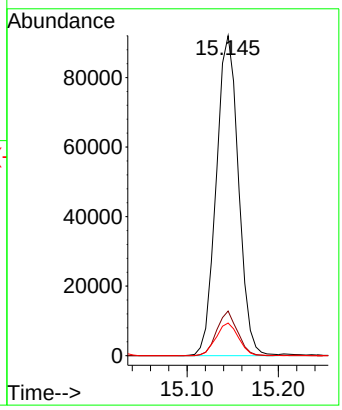




#95
Naphthalene
Concen: 15.384 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:128 Resp: 15595

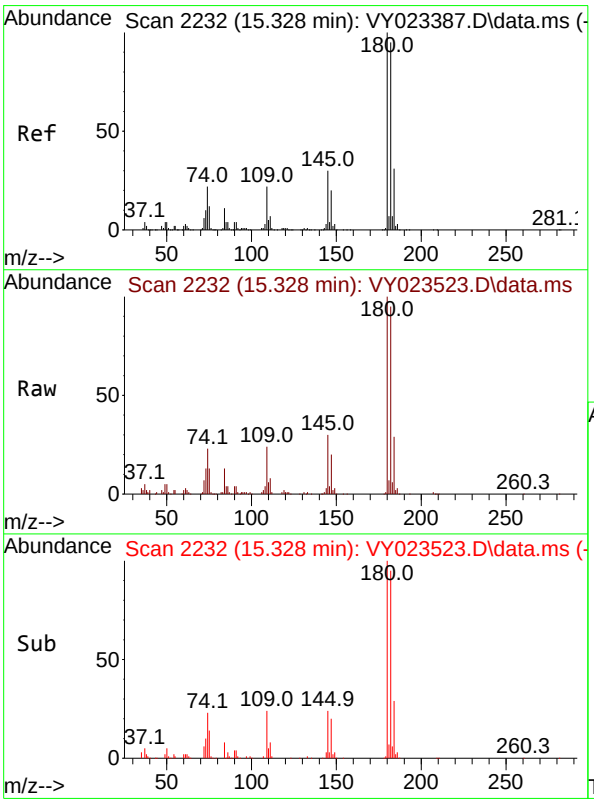
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.4	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
APPROVED

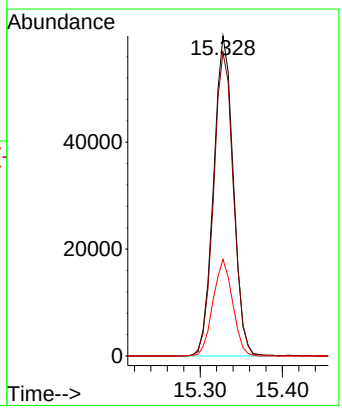
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.100 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023523.D
Acq: 21 Oct 2025 10:04

Tgt Ion:180 Resp: 99805

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	30.0	15.3	45.9



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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBSD01	SDG No.:	Q3376
Lab Sample ID:	VW1020SBSD01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
74-87-3	Chloromethane	20.0		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-01-4	Vinyl Chloride	21.4		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
74-83-9	Bromomethane	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-00-3	Chloroethane	21.6		1	1.30	5.00	ug/Kg	10/20/25 12:03	VW102025
75-69-4	Trichlorofluoromethane	21.6		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-35-4	1,1-Dichloroethene	21.6		1	1.00	5.00	ug/Kg	10/20/25 12:03	VW102025
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	10/20/25 12:03	VW102025
75-15-0	Carbon Disulfide	21.6		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
1634-04-4	Methyl tert-butyl Ether	21.3		1	0.73	5.00	ug/Kg	10/20/25 12:03	VW102025
79-20-9	Methyl Acetate	20.9		1	1.50	5.00	ug/Kg	10/20/25 12:03	VW102025
75-09-2	Methylene Chloride	19.5		1	3.50	10.0	ug/Kg	10/20/25 12:03	VW102025
156-60-5	trans-1,2-Dichloroethene	21.5		1	0.86	5.00	ug/Kg	10/20/25 12:03	VW102025
75-34-3	1,1-Dichloroethane	21.5		1	0.80	5.00	ug/Kg	10/20/25 12:03	VW102025
110-82-7	Cyclohexane	19.7		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/20/25 12:03	VW102025
56-23-5	Carbon Tetrachloride	22.3		1	0.97	5.00	ug/Kg	10/20/25 12:03	VW102025
156-59-2	cis-1,2-Dichloroethene	21.2		1	0.75	5.00	ug/Kg	10/20/25 12:03	VW102025
74-97-5	Bromochloromethane	21.5		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
67-66-3	Chloroform	22.5		1	0.84	5.00	ug/Kg	10/20/25 12:03	VW102025
71-55-6	1,1,1-Trichloroethane	22.4		1	0.93	5.00	ug/Kg	10/20/25 12:03	VW102025
108-87-2	Methylcyclohexane	19.4		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
71-43-2	Benzene	21.8		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
107-06-2	1,2-Dichloroethane	22.0		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/20/25 12:03	VW102025
78-87-5	1,2-Dichloropropane	22.2		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
75-27-4	Bromodichloromethane	23.0		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	10/20/25 12:03	VW102025
108-88-3	Toluene	22.5		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
10061-02-6	t-1,3-Dichloropropene	22.6		1	0.65	5.00	ug/Kg	10/20/25 12:03	VW102025
10061-01-5	cis-1,3-Dichloropropene	22.1		1	0.62	5.00	ug/Kg	10/20/25 12:03	VW102025
79-00-5	1,1,2-Trichloroethane	22.6		1	0.92	5.00	ug/Kg	10/20/25 12:03	VW102025
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/20/25 12:03	VW102025
124-48-1	Dibromochloromethane	23.9		1	0.87	5.00	ug/Kg	10/20/25 12:03	VW102025
106-93-4	1,2-Dibromoethane	22.8		1	0.88	5.00	ug/Kg	10/20/25 12:03	VW102025
127-18-4	Tetrachloroethene	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
108-90-7	Chlorobenzene	21.3		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
100-41-4	Ethyl Benzene	20.6		1	0.67	5.00	ug/Kg	10/20/25 12:03	VW102025
179601-23-1	m/p-Xylenes	42.2		1	1.20	10.0	ug/Kg	10/20/25 12:03	VW102025
95-47-6	o-Xylene	20.7		1	0.82	5.00	ug/Kg	10/20/25 12:03	VW102025
100-42-5	Styrene	21.8		1	0.71	5.00	ug/Kg	10/20/25 12:03	VW102025
75-25-2	Bromoform	23.5		1	0.86	5.00	ug/Kg	10/20/25 12:03	VW102025

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VW1020SBSD01	SDG No.:	Q3376
Lab Sample ID:	VW1020SBSD01	Matrix:	SOIL
Analytical Method:	8260D	Level : LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.8		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
541-73-1	1,3-Dichlorobenzene	21.5		1	1.70	5.00	ug/Kg	10/20/25 12:03	VW102025
106-46-7	1,4-Dichlorobenzene	21.0		1	1.60	5.00	ug/Kg	10/20/25 12:03	VW102025
95-50-1	1,2-Dichlorobenzene	21.3		1	1.50	5.00	ug/Kg	10/20/25 12:03	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	23.0		1	1.80	5.00	ug/Kg	10/20/25 12:03	VW102025
120-82-1	1,2,4-Trichlorobenzene	20.3		1	3.00	5.00	ug/Kg	10/20/25 12:03	VW102025
87-61-6	1,2,3-Trichlorobenzene	20.9		1	3.20	5.00	ug/Kg	10/20/25 12:03	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.1			63 - 155	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.5			70 - 134	109%	SPK: 50		
2037-26-5	Toluene-d8	54.5			74 - 123	109%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.8			17 - 146	106%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	281000							
540-36-3	1,4-Difluorobenzene	508000							
3114-55-4	Chlorobenzene-d5	481000							
3855-82-1	1,4-Dichlorobenzene-d4	240000							

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

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

Sample Results: **VW032381.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032381.D
Acq On : 20 Oct 2025 12:03
Operator : SY/MD
Sample : VW1020SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 01:24:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	280654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	507546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	481210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	239754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	217533	53.141	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 106.280%			
35) Dibromofluoromethane	7.898	113	179061	54.477	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 108.960%			
50) Toluene-d8	10.325	98	661666	54.542	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 109.080%			
62) 4-Bromofluorobenzene	12.617	95	242303	52.844	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 105.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	38260	21.725	ug/l	90
3) Chloromethane	2.259	50	54381	20.012	ug/l	99
4) Vinyl Chloride	2.405	62	69484	21.417	ug/l	99
5) Bromomethane	2.820	94	51628	21.655	ug/l	94
6) Chloroethane	2.966	64	46314	21.623	ug/l	99
7) Trichlorofluoromethane	3.308	101	52367	21.558	ug/l	97
8) Diethyl Ether	3.722	74	45743	21.732	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.100	101	59942	20.574	ug/l	95
10) Methyl Iodide	4.301	142	94105	22.637	ug/l	98
11) Tert butyl alcohol	5.222	59	29901	96.501	ug/l	100
12) 1,1-Dichloroethene	4.082	96	68420	21.631	ug/l	95
13) Acrolein	3.936	56	35875	71.340	ug/l	97
14) Allyl chloride	4.704	41	111568	20.883	ug/l	90
15) Acrylonitrile	5.405	53	118234	107.973	ug/l	98
16) Acetone	4.161	43	129324	114.096	ug/l	100
17) Carbon Disulfide	4.423	76	186017	21.554	ug/l	98
18) Methyl Acetate	4.710	43	67884	20.907	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	132675	21.297	ug/l	96
20) Methylene Chloride	4.954	84	85418	19.504	ug/l	96
21) trans-1,2-Dichloroethene	5.466	96	75118	21.451	ug/l	93
22) Diisopropyl ether	6.344	45	237926	21.414	ug/l	94
23) Vinyl Acetate	6.283	43	795696	107.218	ug/l	99
24) 1,1-Dichloroethane	6.246	63	145116	21.498	ug/l	99
25) 2-Butanone	7.197	43	163261	105.758	ug/l	97
26) 2,2-Dichloropropane	7.185	77	80056	23.186	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	89110	21.181	ug/l	93
28) Bromochloromethane	7.532	49	68220	21.481	ug/l	88
29) Tetrahydrofuran	7.551	42	101574	104.629	ug/l	97
30) Chloroform	7.697	83	154033	22.500	ug/l	98
31) Cyclohexane	7.971	56	113240	19.650	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	108696	22.406	ug/l	99
36) 1,1-Dichloropropene	8.099	75	99568	21.464	ug/l	97
37) Ethyl Acetate	7.270	43	69858	22.625	ug/l	99
38) Carbon Tetrachloride	8.087	117	97363	22.304	ug/l	99
39) Methylcyclohexane	9.343	83	108498	19.391	ug/l	91
40) Benzene	8.337	78	317626	21.845	ug/l	96

Sample Results: **VW032381.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032381.D
Acq On : 20 Oct 2025 12:03
Operator : SY/MD
Sample : VW1020SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Quant Time: Oct 21 01:24:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	35802	21.516	ug/l		92
42) 1,2-Dichloroethane	8.410	62	104797	22.027	ug/l		99
43) Isopropyl Acetate	8.441	43	119189	21.760	ug/l		99
44) Trichloroethene	9.105	130	74572	21.903	ug/l		87
45) 1,2-Dichloropropane	9.374	63	80449	22.167	ug/l		99
46) Dibromomethane	9.465	93	51190	22.938	ug/l		96
47) Bromodichloromethane	9.654	83	117508	23.021	ug/l		98
48) Methyl methacrylate	9.441	41	57356	21.537	ug/l		94
49) 1,4-Dioxane	9.471	88	13587	445.427	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.215	43	354720	111.810	ug/l		98
52) Toluene	10.392	92	203658	22.492	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	111694	22.555	ug/l		98
54) cis-1,3-Dichloropropene	10.081	75	125815	22.056	ug/l		95
55) 1,1,2-Trichloroethane	10.788	97	67523	22.638	ug/l		95
56) Ethyl methacrylate	10.648	69	88799	21.270	ug/l		95
57) 1,3-Dichloropropane	10.934	76	116984	22.206	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	228377	102.786	ug/l		94
59) 2-Hexanone	10.971	43	256232	114.515	ug/l		98
60) Dibromochloromethane	11.129	129	80852	23.873	ug/l		99
61) 1,2-Dibromoethane	11.239	107	66335	22.808	ug/l		100
64) Tetrachloroethene	10.867	164	62577	21.732	ug/l		94
65) Chlorobenzene	11.654	112	225826	21.329	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.733	131	74057	22.457	ug/l		96
67) Ethyl Benzene	11.727	91	364394	20.647	ug/l		99
68) m/p-Xylenes	11.837	106	287294	42.215	ug/l		100
69) o-Xylene	12.166	106	131683	20.691	ug/l		97
70) Styrene	12.178	104	242035	21.782	ug/l		97
71) Bromoform	12.349	173	44334	23.454	ug/l	#	100
73) Isopropylbenzene	12.458	105	324846	19.804	ug/l		100
74) N-amyl acetate	12.269	43	109272	20.882	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.714	83	88855	21.817	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	65188m	20.661	ug/l		
77) Bromobenzene	12.745	156	84499	21.370	ug/l		90
78) n-propylbenzene	12.800	91	420117	20.504	ug/l		96
79) 2-Chlorotoluene	12.891	91	258195	20.609	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	292510	20.623	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	28345	22.759	ug/l		91
82) 4-Chlorotoluene	12.983	91	277521	20.836	ug/l		99
83) tert-Butylbenzene	13.202	119	232552	19.983	ug/l		96
84) 1,2,4-Trimethylbenzene	13.245	105	302270	20.959	ug/l		99
85) sec-Butylbenzene	13.379	105	358589	20.163	ug/l		98
86) p-Isopropyltoluene	13.495	119	297141	20.136	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	171969	21.478	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	168290	21.021	ug/l		98
89) n-Butylbenzene	13.818	91	291522	20.234	ug/l		98
90) Hexachloroethane	14.086	117	61557	23.273	ug/l		95
91) 1,2-Dichlorobenzene	13.867	146	154465	21.342	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	16422	23.030	ug/l		83
93) 1,2,4-Trichlorobenzene	15.129	180	87912	20.256	ug/l		94
94) Hexachlorobutadiene	15.232	225	43154	21.748	ug/l		96
95) Naphthalene	15.360	128	208869	20.040	ug/l		100
96) 1,2,3-Trichlorobenzene	15.543	180	85615	20.929	ug/l		100

Sample Results: **VW032381.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032381.D
Acq On : 20 Oct 2025 12:03
Operator : SY/MD
Sample : VW1020SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 01:24:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

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

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

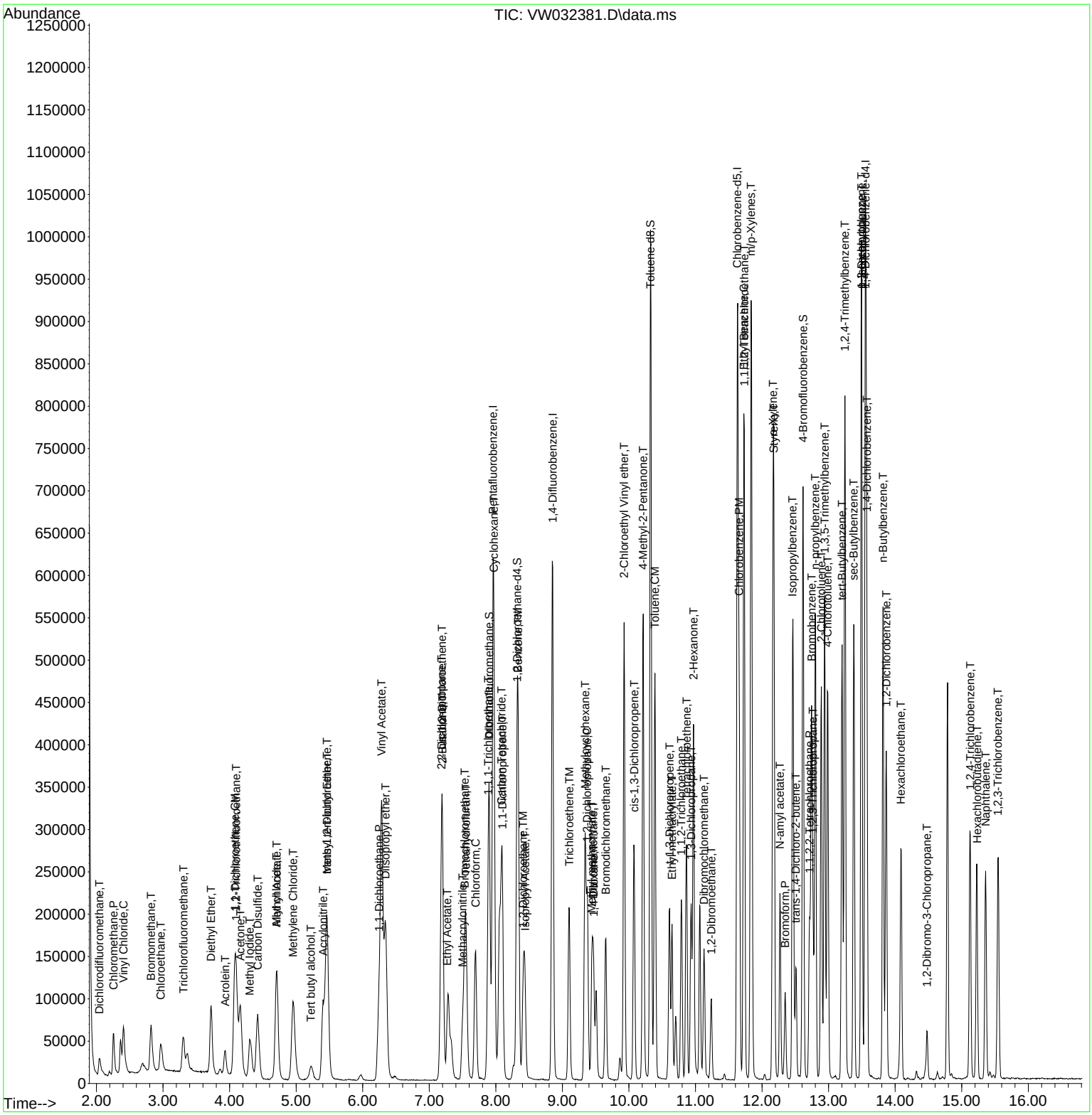
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Acq On : 20 Oct 2025 12:03
Operator : SY/MD
Sample : VW1020SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

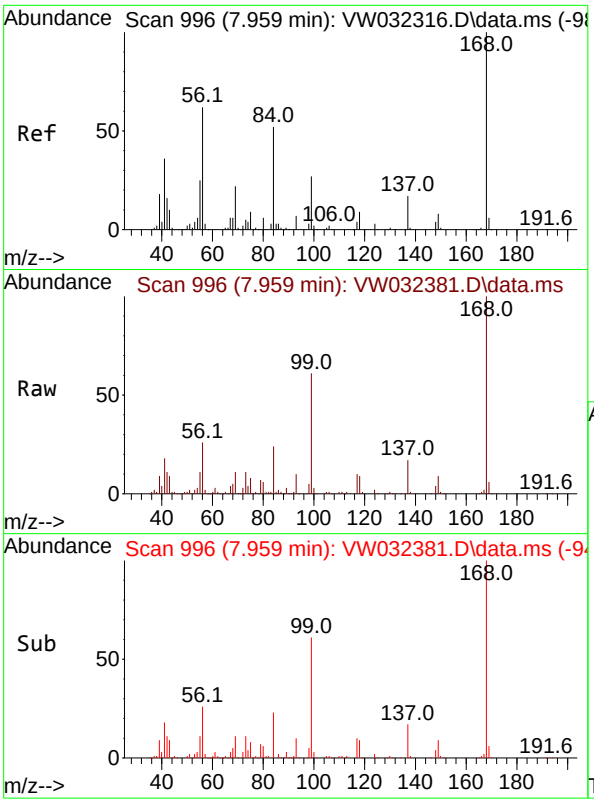
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QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

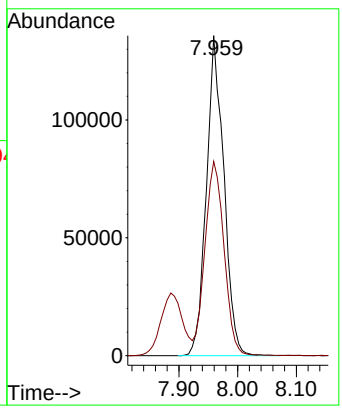




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:168 Resp: 28065

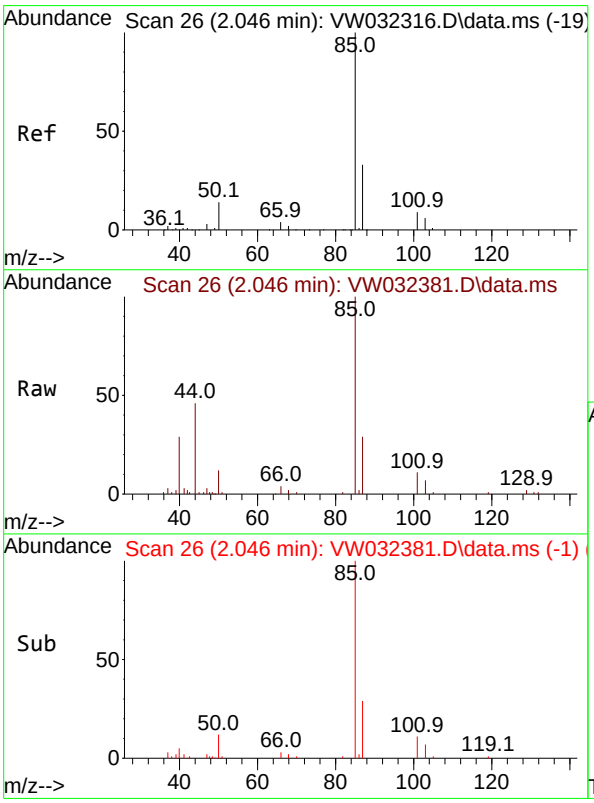
Ion	Ratio	Lower	Upper
168	100		
99	60.6	49.3	73.9



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
APPROVED

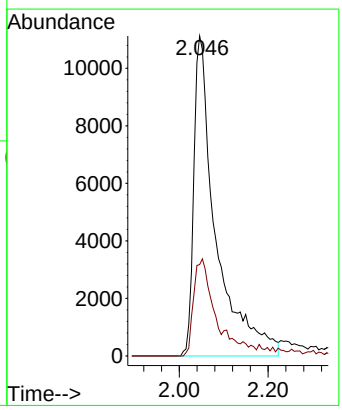
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

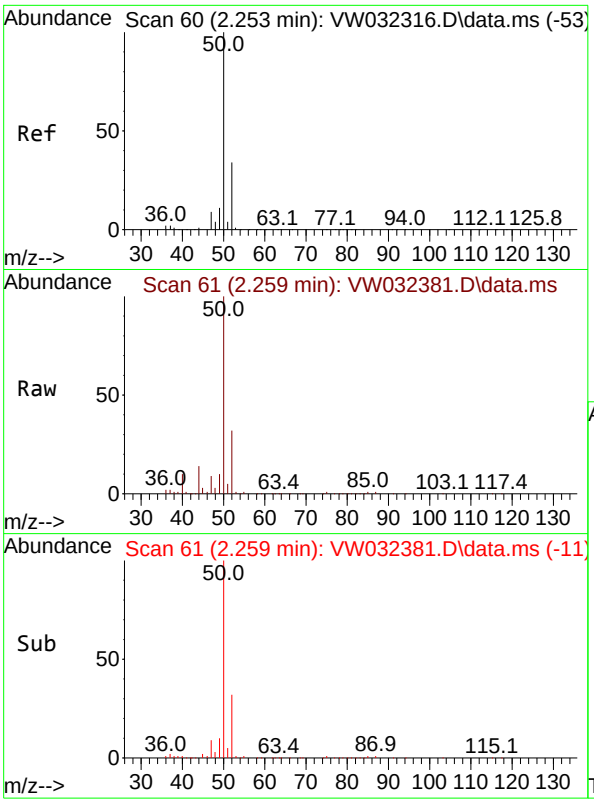


#2
Dichlorodifluoromethane
Concen: 21.725 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 85 Resp: 38260

Ion	Ratio	Lower	Upper
85	100		
87	28.5	17.2	51.6

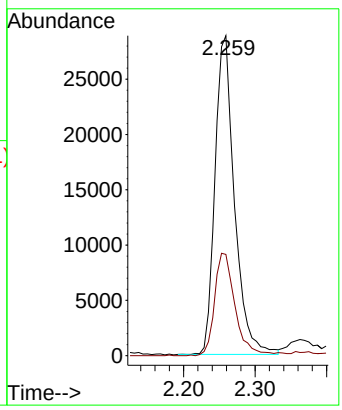




#3
Chloromethane
Concen: 20.012 ug/l
RT: 2.259 min Scan# 6
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 50 Resp: 5438

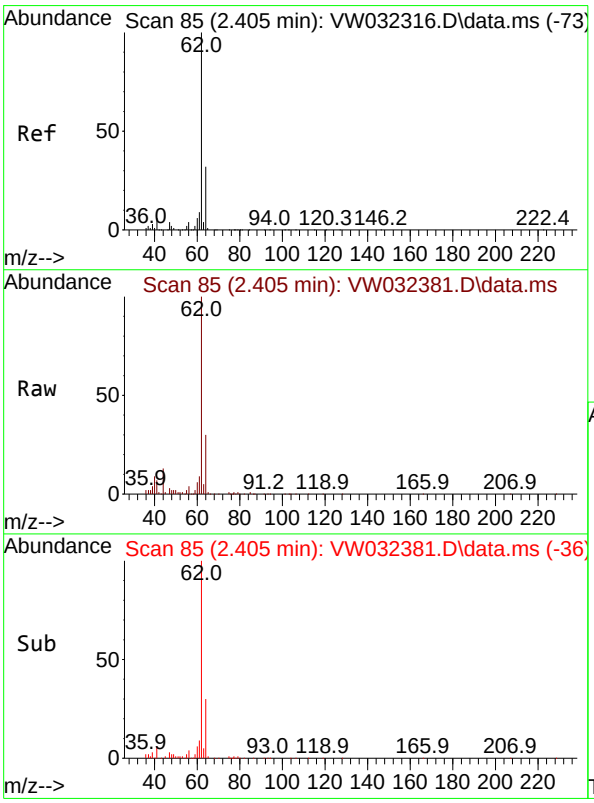
Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.1	39.1



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
APPROVED

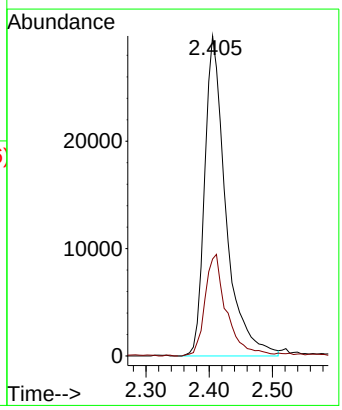
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

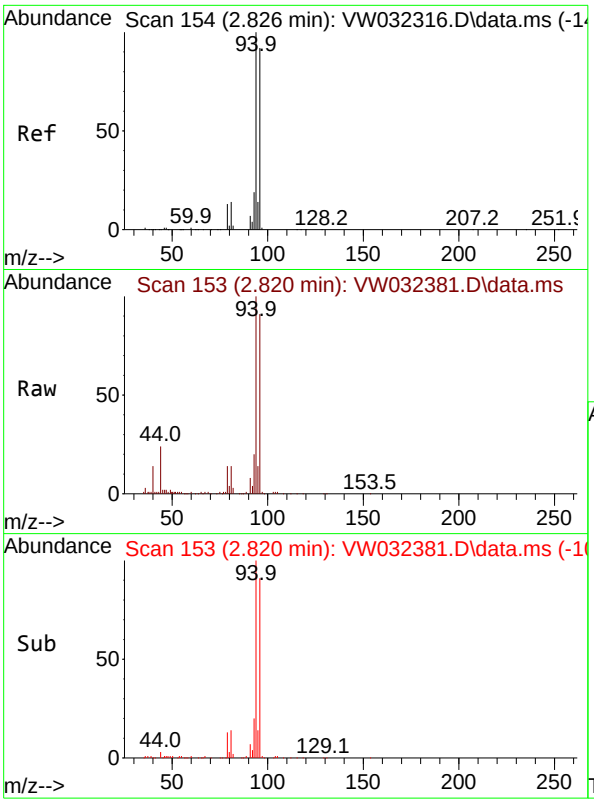


#4
Vinyl Chloride
Concen: 21.417 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 62 Resp: 69484

Ion	Ratio	Lower	Upper
62	100		
64	30.3	24.8	37.2





#5
Bromomethane
Concen: 21.655 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

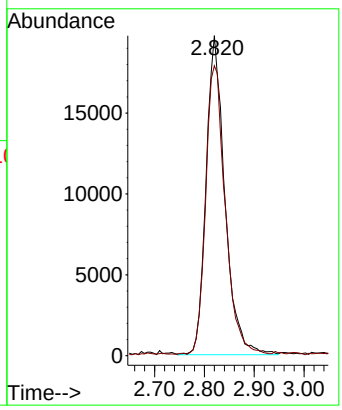
Tgt Ion: 94 Resp: 5162

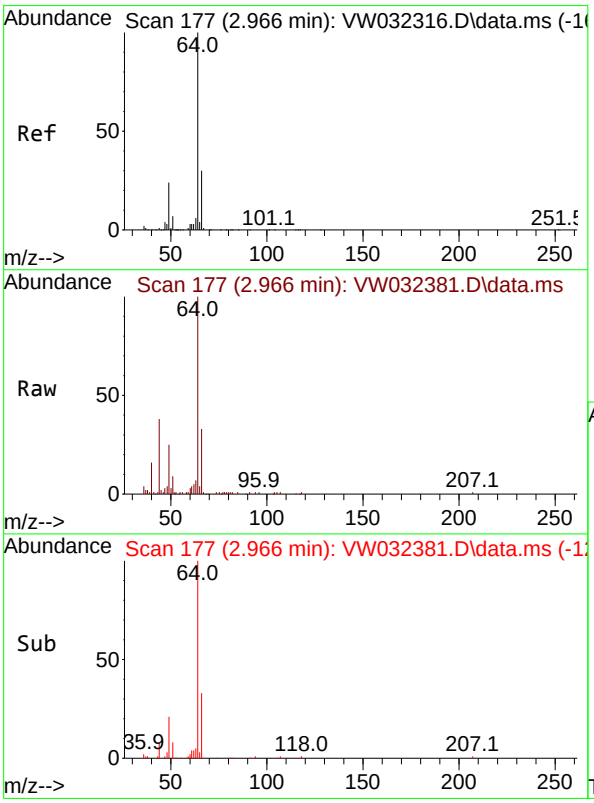
Ion	Ratio	Lower	Upper
94	100		
96	90.3	76.6	115.0

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

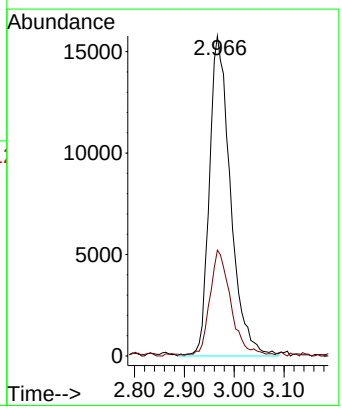


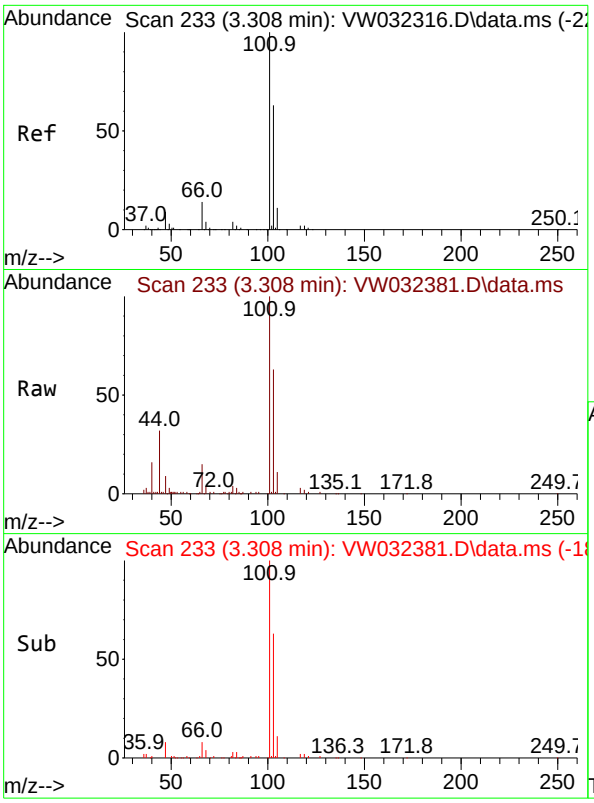


#6
Chloroethane
Concen: 21.623 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 64 Resp: 46314

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.2	39.4





#7
Trichlorofluoromethane
Concen: 21.558 ug/l
RT: 3.308 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

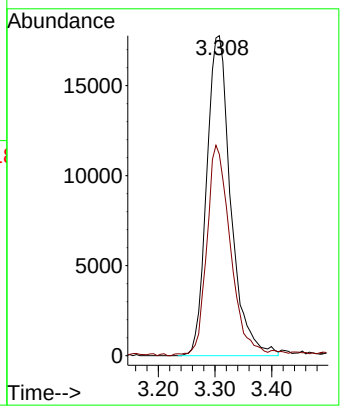
Tgt Ion:101 Resp: 5236

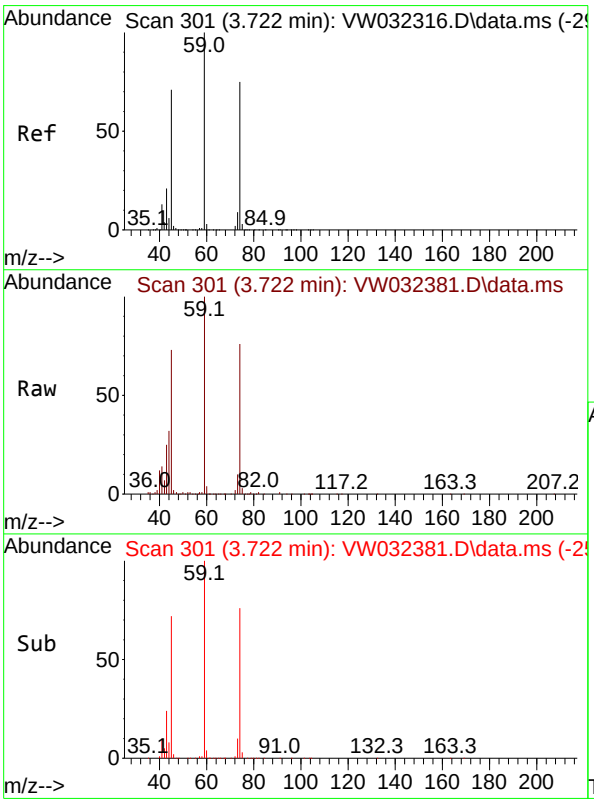
Ion	Ratio	Lower	Upper
101	100		
103	62.3	47.8	71.8

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

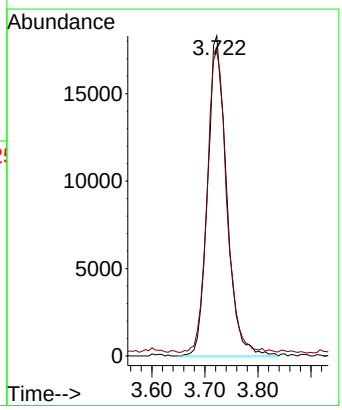


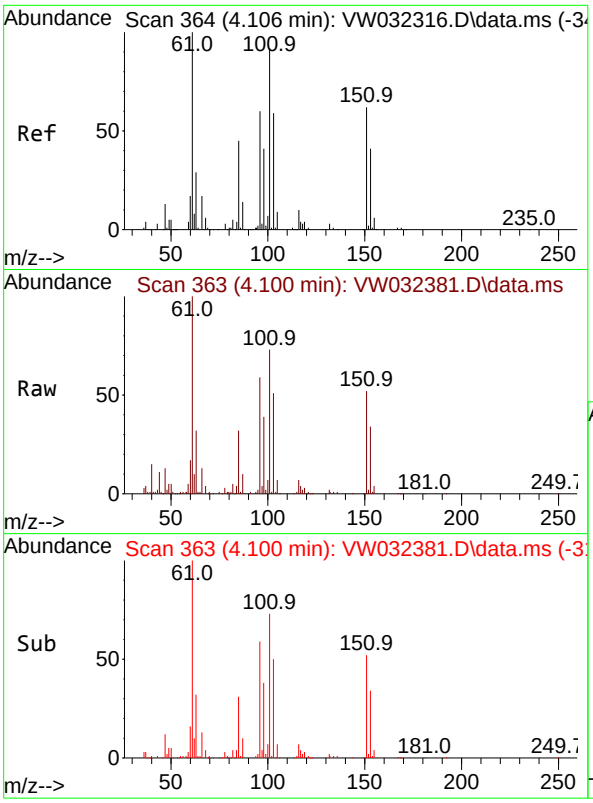


#8
Diethyl Ether
Concen: 21.732 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 74 Resp: 45743

Ion	Ratio	Lower	Upper
74	100		
45	96.4	43.1	129.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.574 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

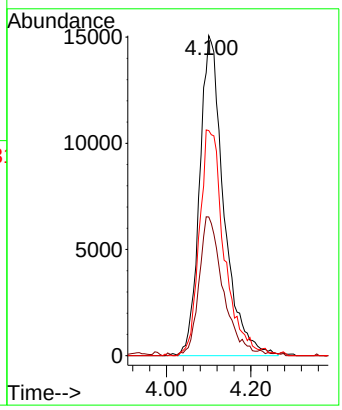
Tgt Ion:101 Resp: 5994

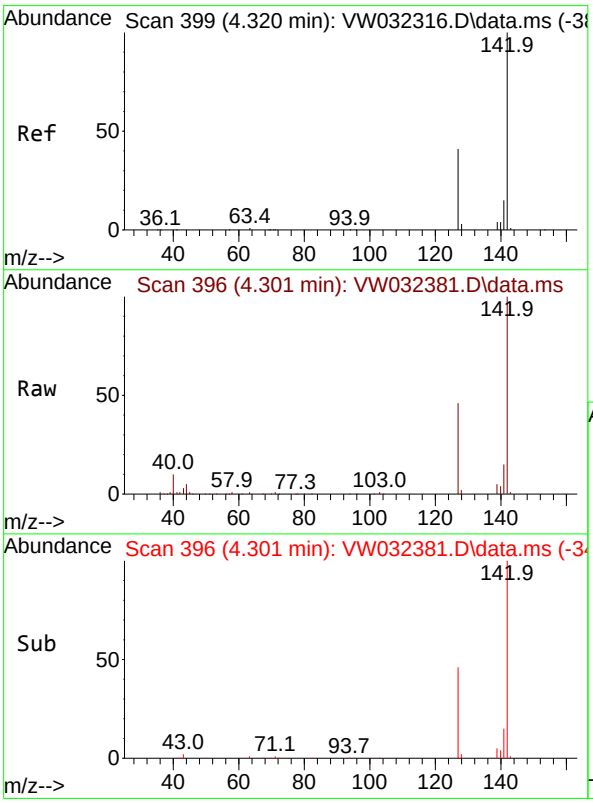
Ion	Ratio	Lower	Upper
101	100		
85	43.1	37.1	55.7
151	72.1	61.5	92.3

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

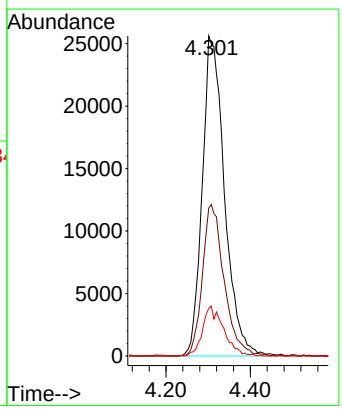


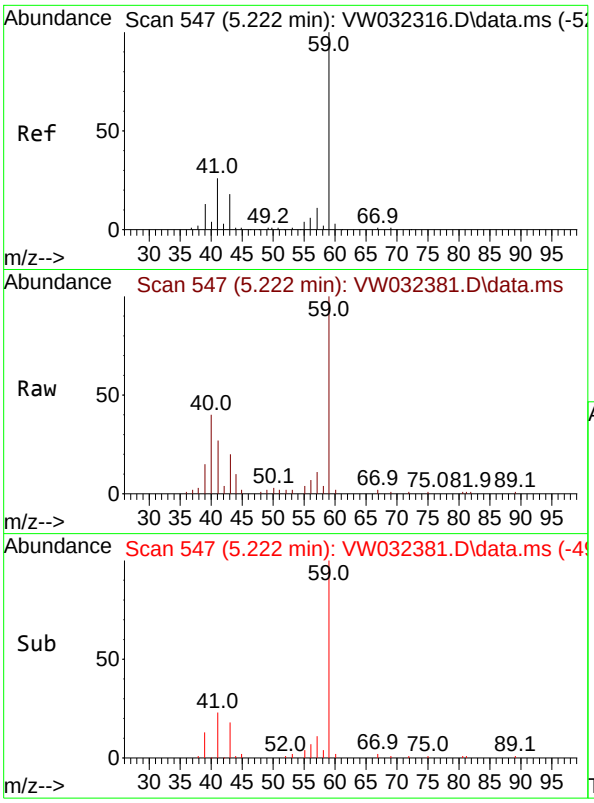


#10
Methyl Iodide
Concen: 22.637 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:142 Resp: 94105

Ion	Ratio	Lower	Upper
142	100		
127	46.0	38.2	57.2
141	14.7	12.2	18.2





#11
Tert butyl alcohol
Concen: 96.501 ug/l
RT: 5.222 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

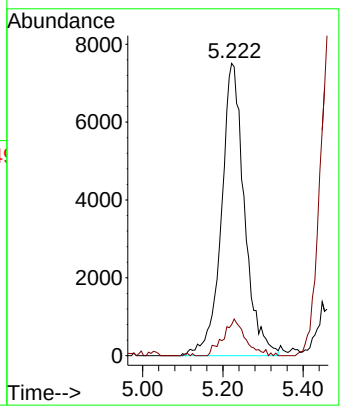
Tgt Ion: 59 Resp: 2990

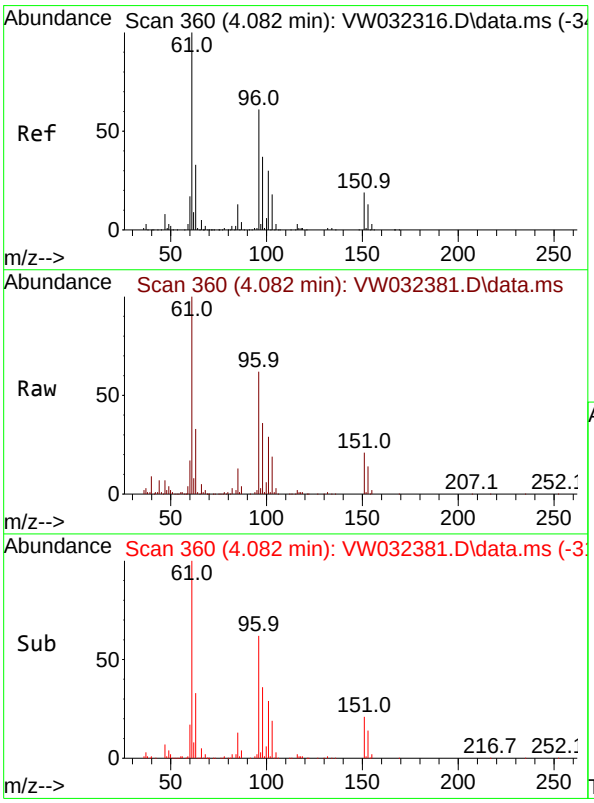
Ion	Ratio	Lower	Upper
59	100		
57	12.1	9.8	14.6

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

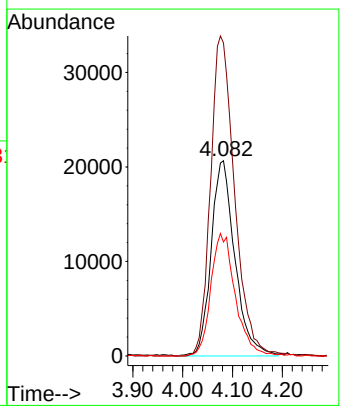


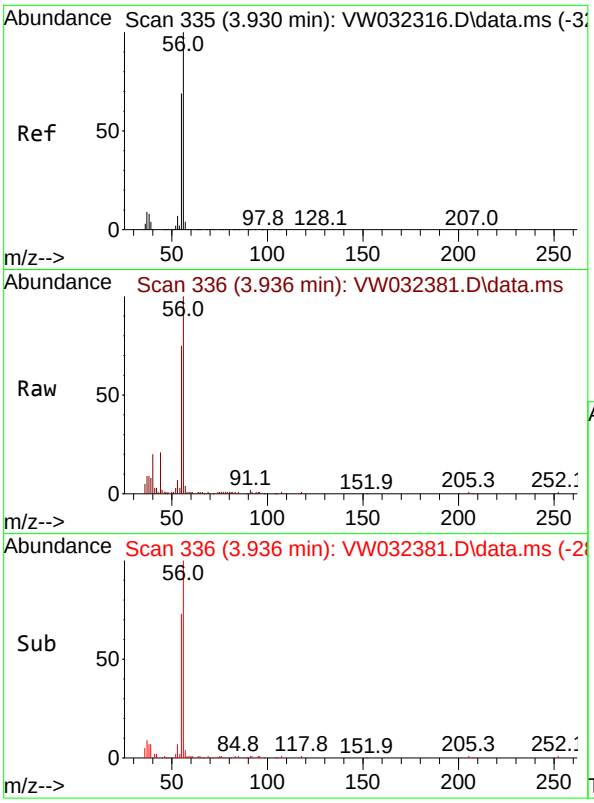


#12
1,1-Dichloroethene
Concen: 21.631 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 96 Resp: 68420

Ion	Ratio	Lower	Upper
96	100		
61	160.3	123.0	184.4
98	58.3	48.5	72.7

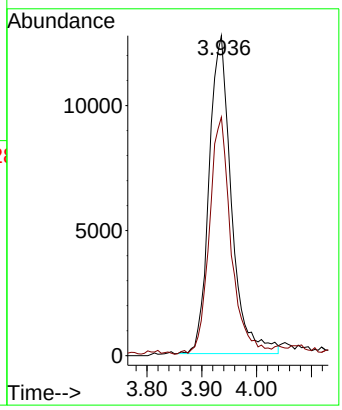




#13
Acrolein
Concen: 71.340 ug/l
RT: 3.936 min Scan# 3
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 56 Resp: 3587

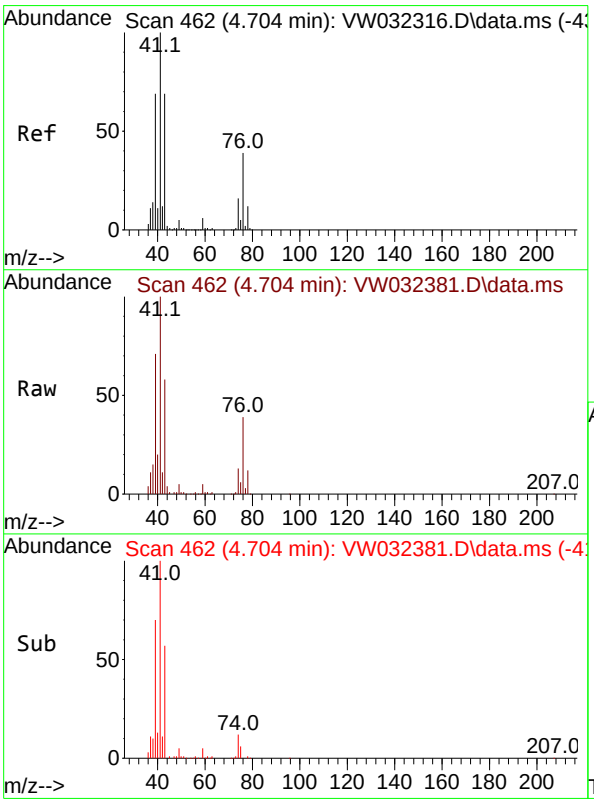
Ion	Ratio	Lower	Upper
56	100		
55	72.8	56.4	84.6



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
APPROVED

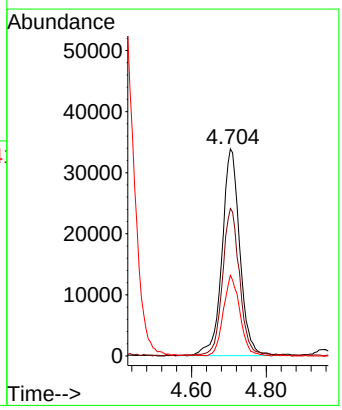
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

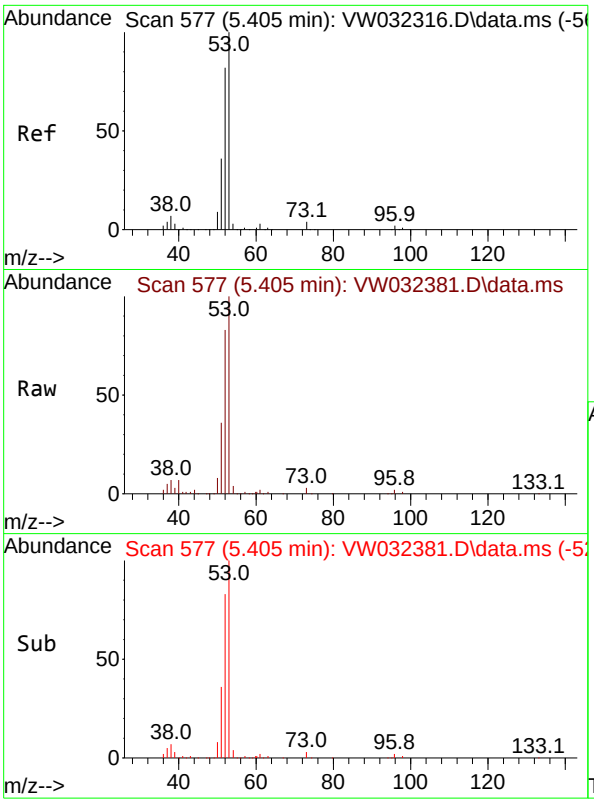


#14
Allyl chloride
Concen: 20.883 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 41 Resp: 111568

Ion	Ratio	Lower	Upper
41	100		
39	69.4	64.1	96.1
76	36.4	31.4	47.2

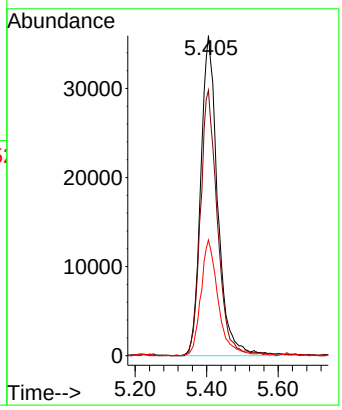




#15
Acrylonitrile
Concen: 107.973 ug/l
RT: 5.405 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 53 Resp: 11823

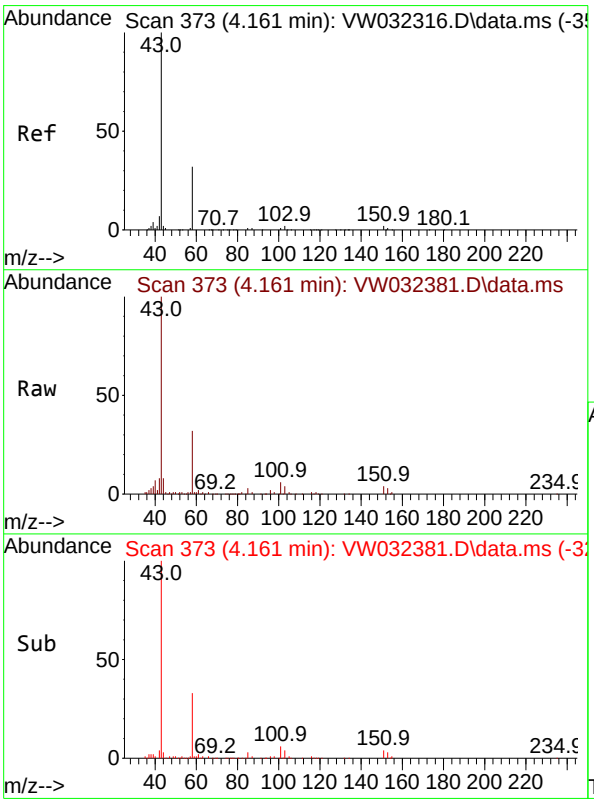
Ion	Ratio	Lower	Upper
53	100		
52	82.2	67.4	101.2
51	36.8	30.3	45.5



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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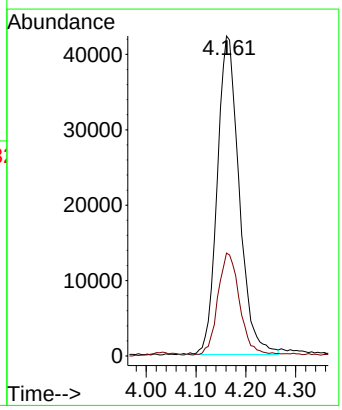
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

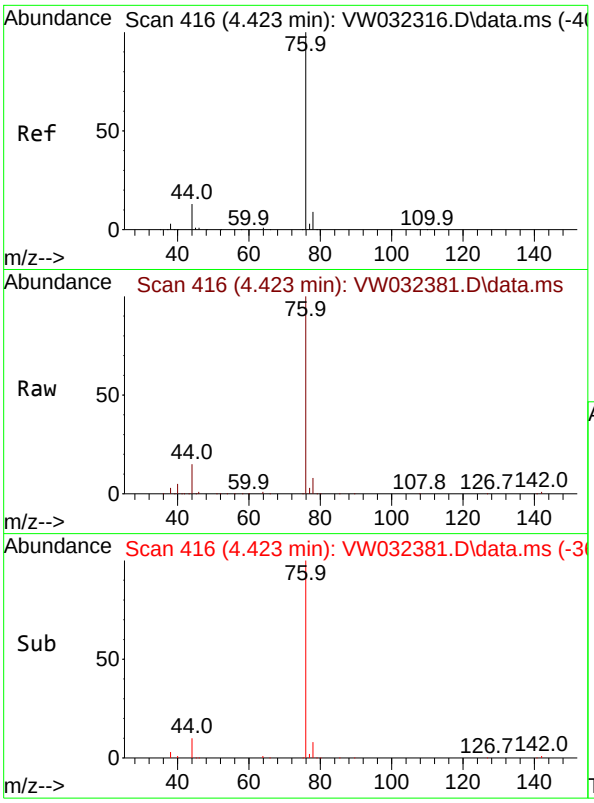


#16
Acetone
Concen: 114.096 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 43 Resp: 129324

Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.3	37.9





#17
Carbon Disulfide
Concen: 21.554 ug/l
RT: 4.423 min Scan# 4
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

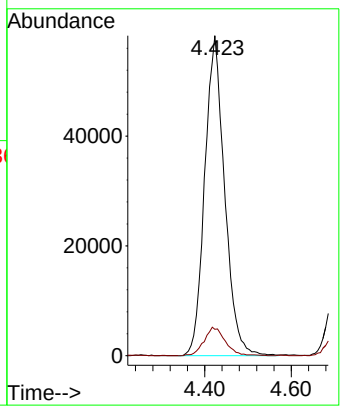
Tgt Ion: 76 Resp: 18601

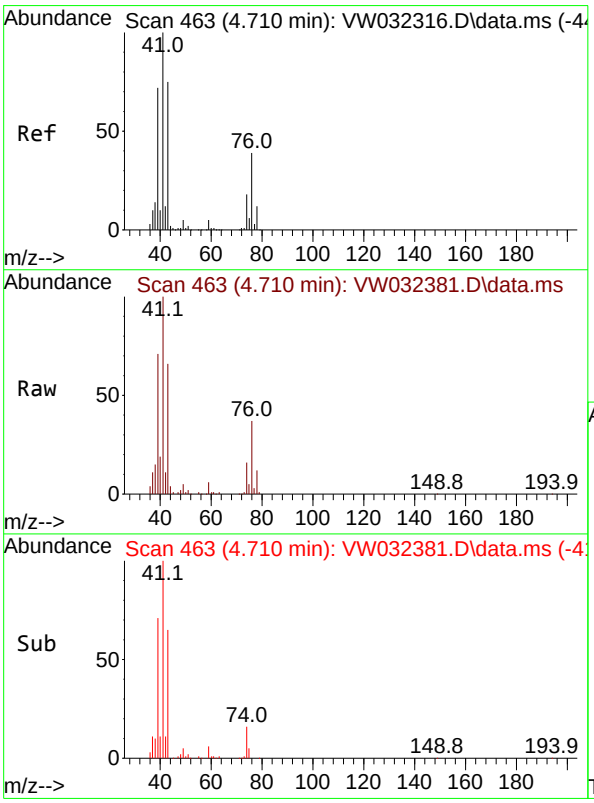
Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.0	10.6

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

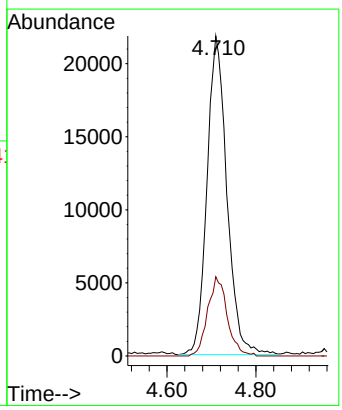


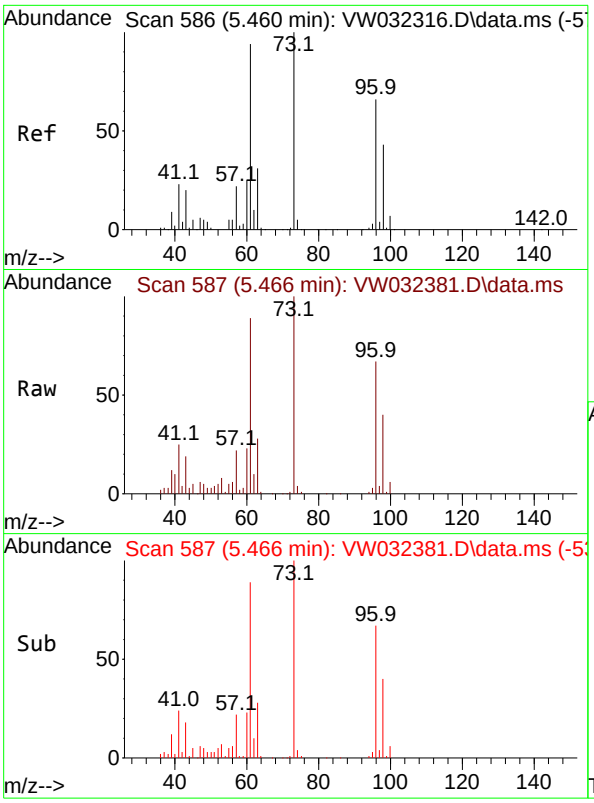


#18
Methyl Acetate
Concen: 20.907 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 43 Resp: 67884

Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.2	30.4

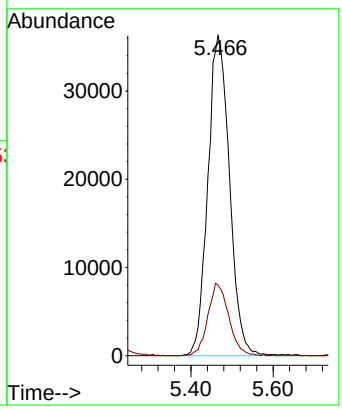




#19
Methyl tert-butyl Ether
Concen: 21.297 ug/l
RT: 5.466 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 73 Resp: 13267

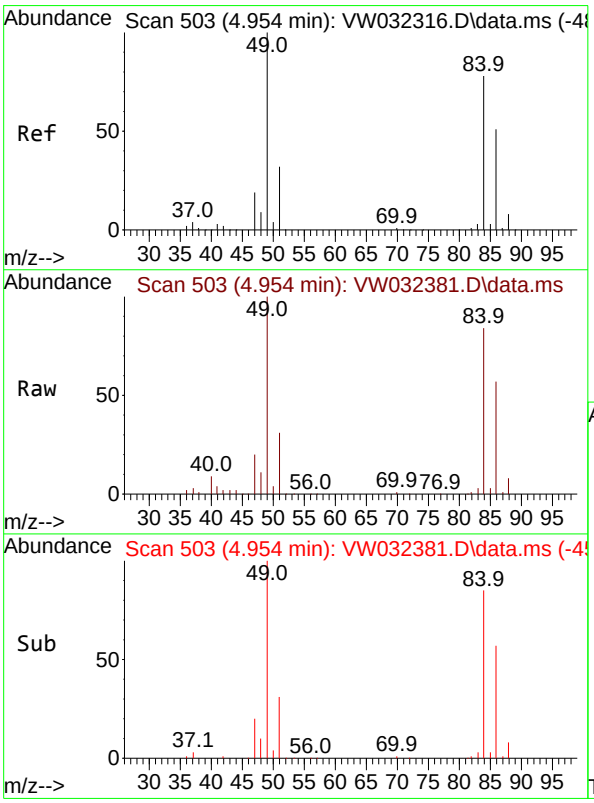
Ion	Ratio	Lower	Upper
73	100		
57	22.1	16.2	24.4



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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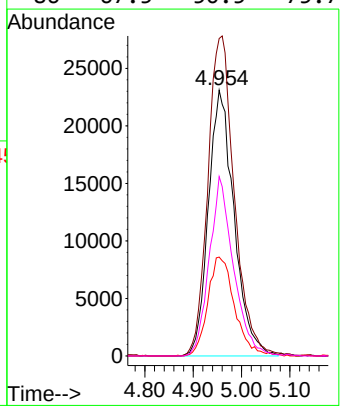
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

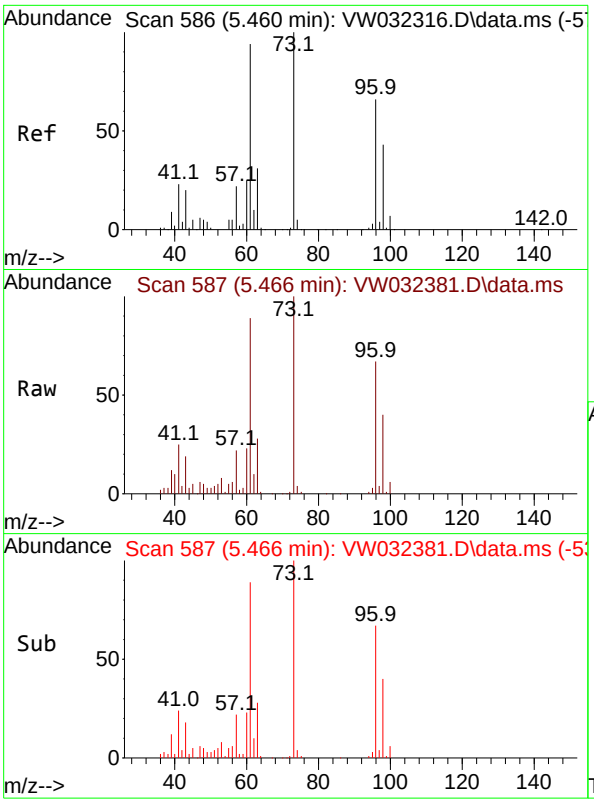


#20
Methylene Chloride
Concen: 19.504 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 84 Resp: 85418

Ion	Ratio	Lower	Upper
84	100		
49	119.4	92.2	138.4
51	36.9	31.0	46.6
86	67.5	50.5	75.7

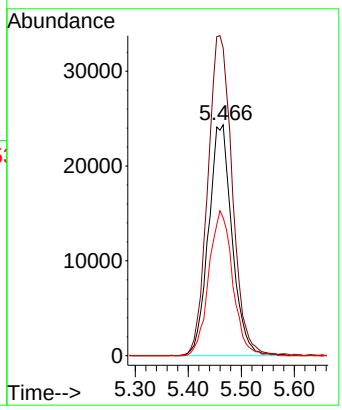




#21
trans-1,2-Dichloroethene
Concen: 21.451 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 96 Resp: 7511

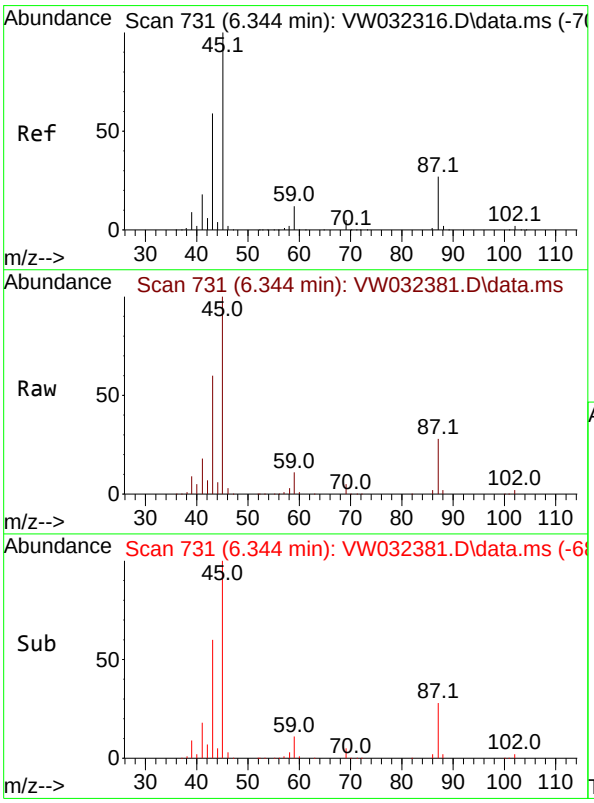
Ion	Ratio	Lower	Upper
96	100		
61	133.2	112.5	168.7
98	59.7	54.2	81.4



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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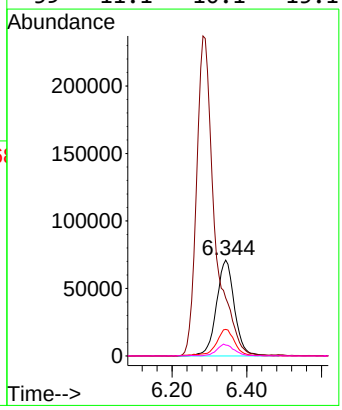
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

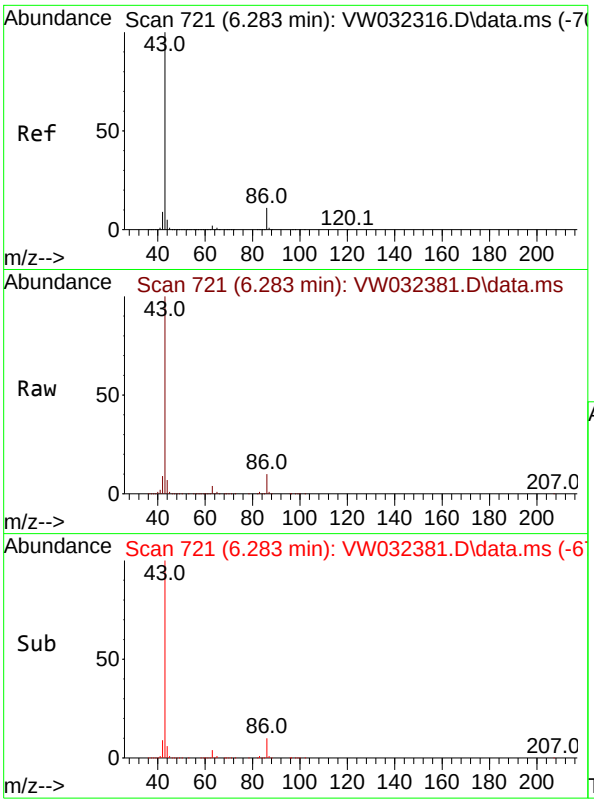


#22
Diisopropyl ether
Concen: 21.414 ug/l
RT: 6.344 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 45 Resp: 237926

Ion	Ratio	Lower	Upper
45	100		
43	60.2	51.4	77.2
87	27.6	25.9	38.9
59	11.1	10.1	15.1

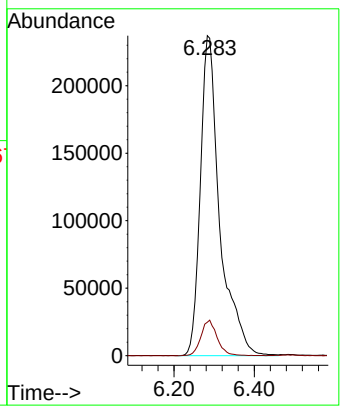




#23
Vinyl Acetate
Concen: 107.218 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 43 Resp: 79569

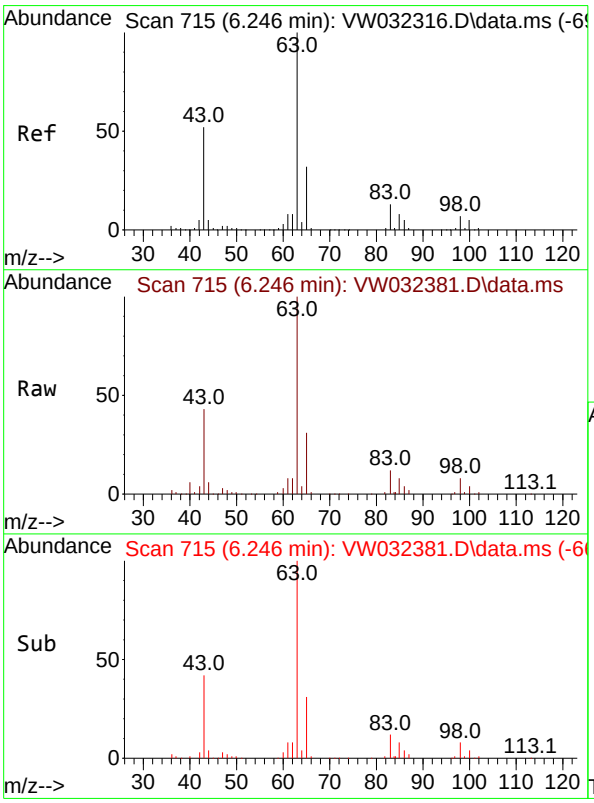
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.8	13.2



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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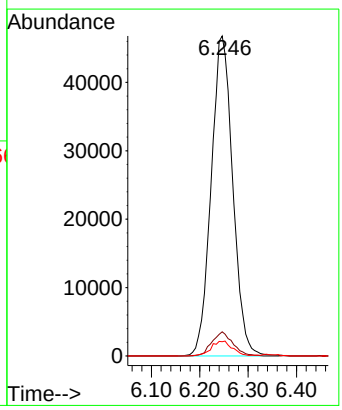
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

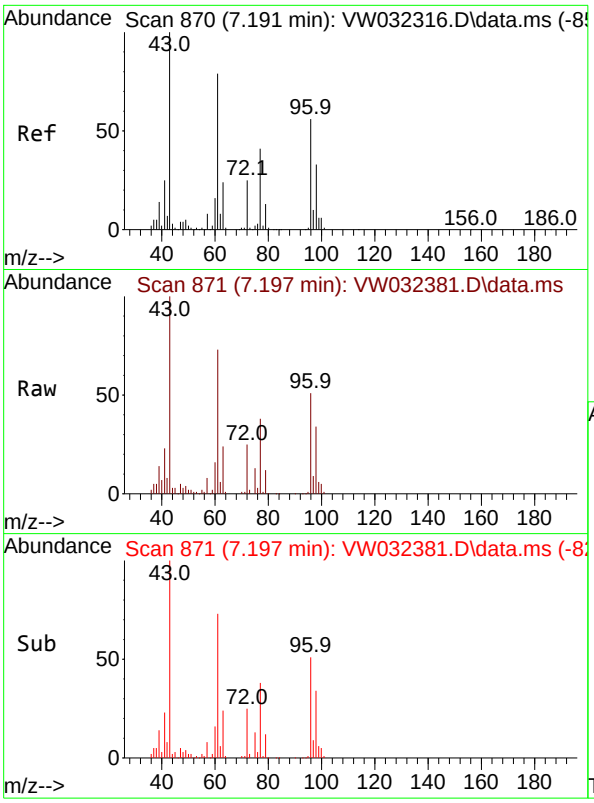


#24
1,1-Dichloroethane
Concen: 21.498 ug/l
RT: 6.246 min Scan# 715
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 63 Resp: 145116

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.5	2.5	7.5





#25
2-Butanone
Concen: 105.758 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

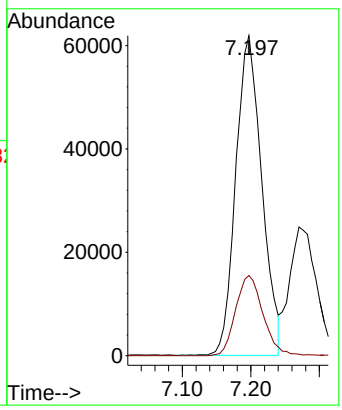
Tgt Ion: 43 Resp: 16326

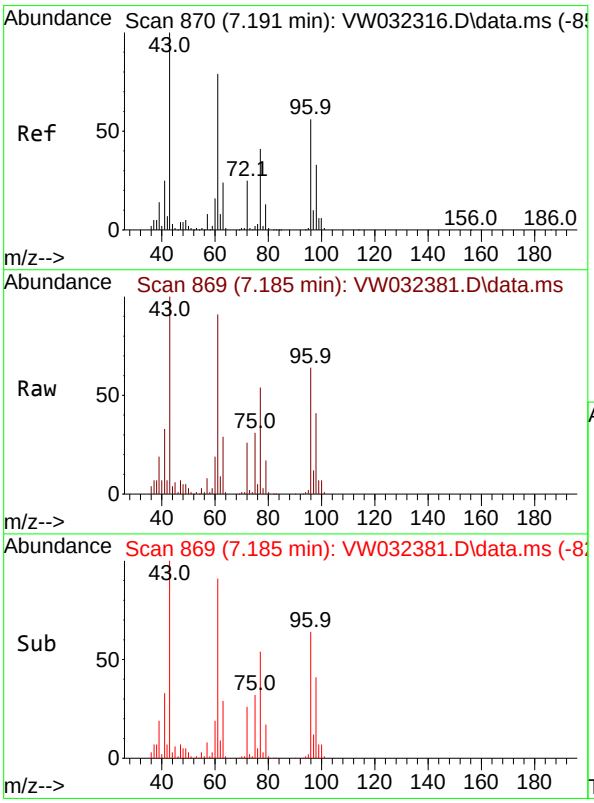
Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.4	32.2

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

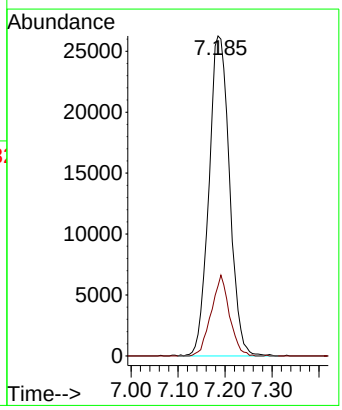


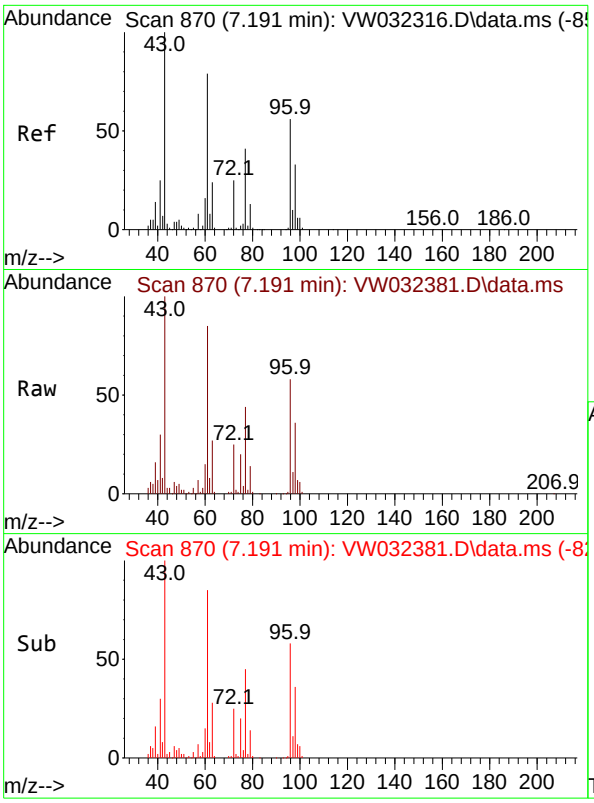


#26
2,2-Dichloropropane
Concen: 23.186 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 77 Resp: 80056

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.9	35.5

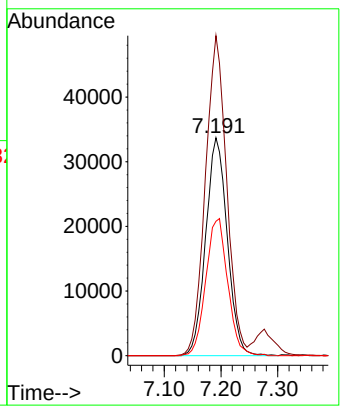




#27
cis-1,2-Dichloroethene
Concen: 21.181 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 96 Resp: 8911

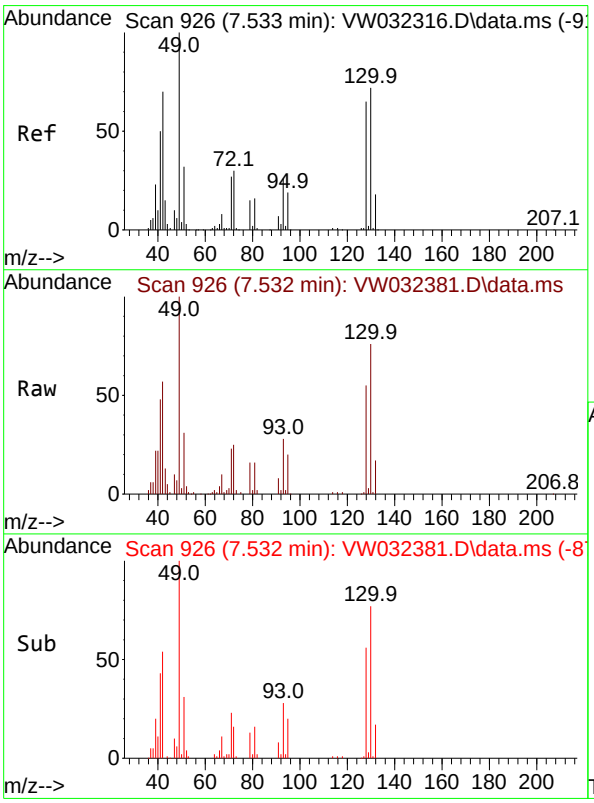
Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	268.0
98	64.1	0.0	130.8



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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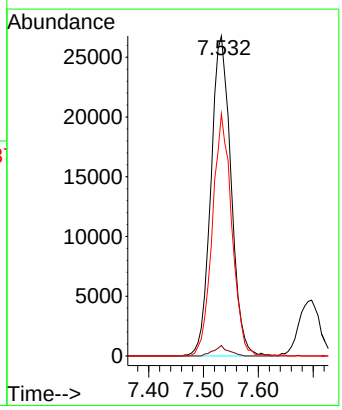
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

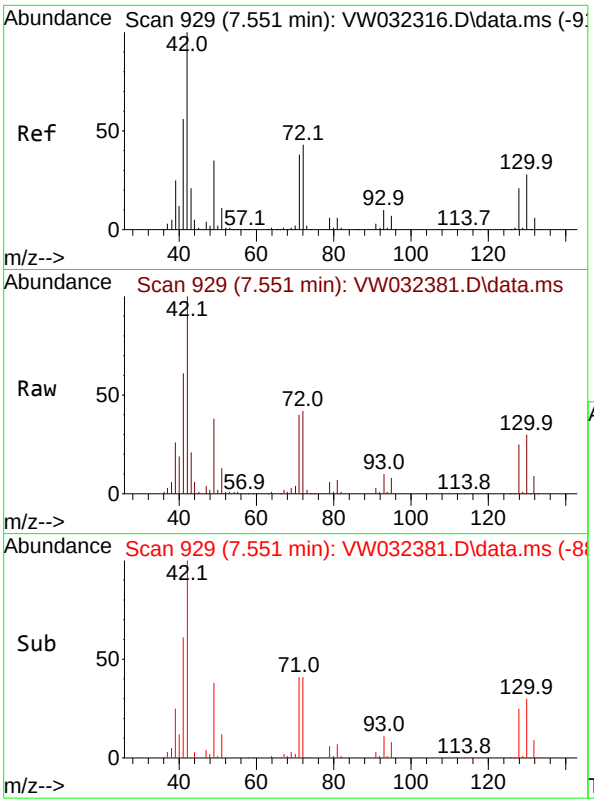


#28
Bromochloromethane
Concen: 21.481 ug/l
RT: 7.532 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 49 Resp: 68220

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	72.9	67.5	101.3

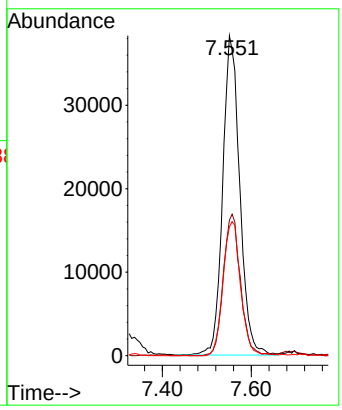




#29
Tetrahydrofuran
Concen: 104.629 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 42 Resp: 10157

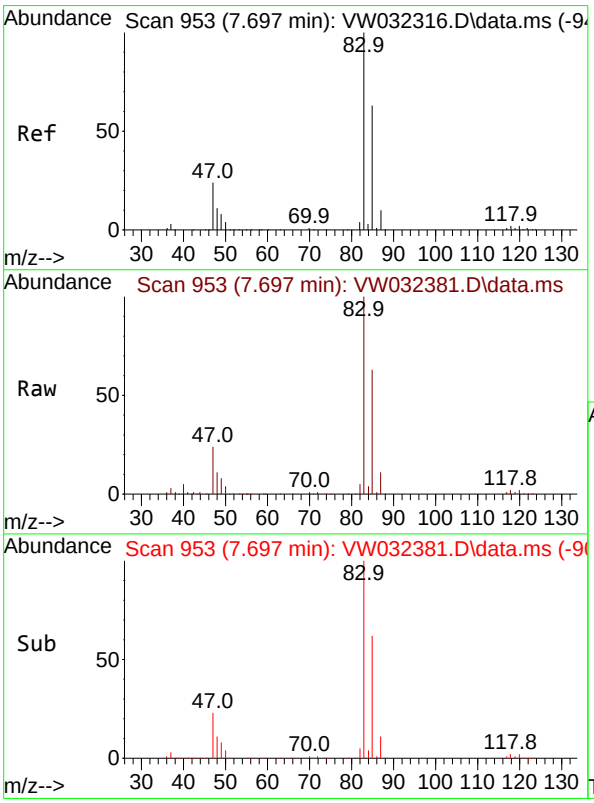
Ion	Ratio	Lower	Upper
42	100		
72	44.5	37.4	56.2
71	43.2	36.0	54.0



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
APPROVED

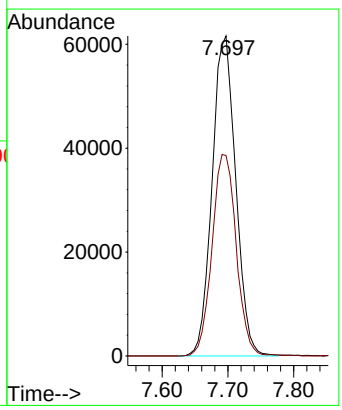
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

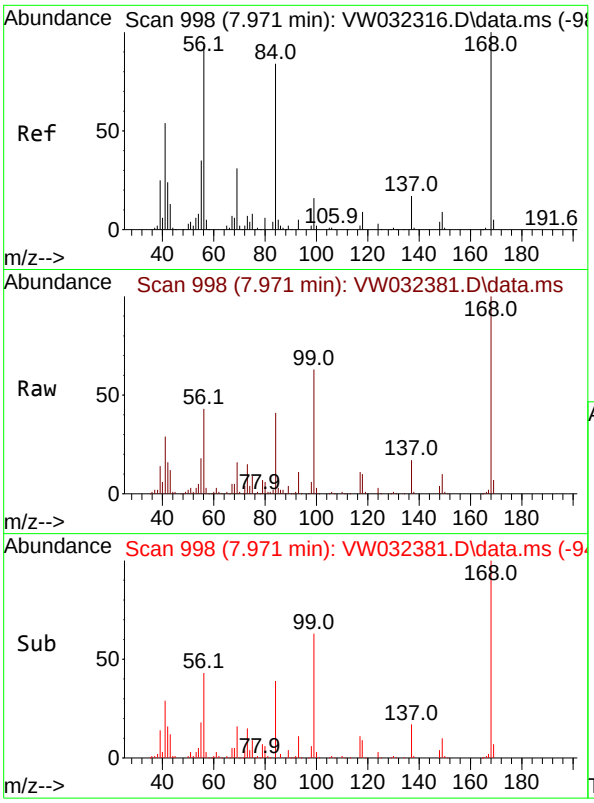


#30
Chloroform
Concen: 22.500 ug/l
RT: 7.697 min Scan# 953
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 83 Resp: 154033

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.2	76.8

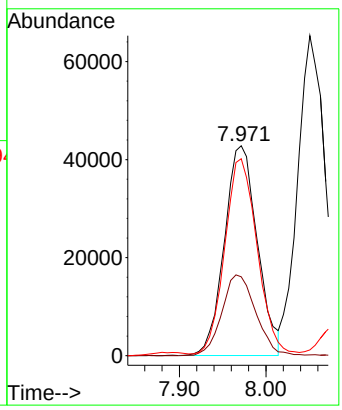




#31
Cyclohexane
Concen: 19.650 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 56 Resp: 11324

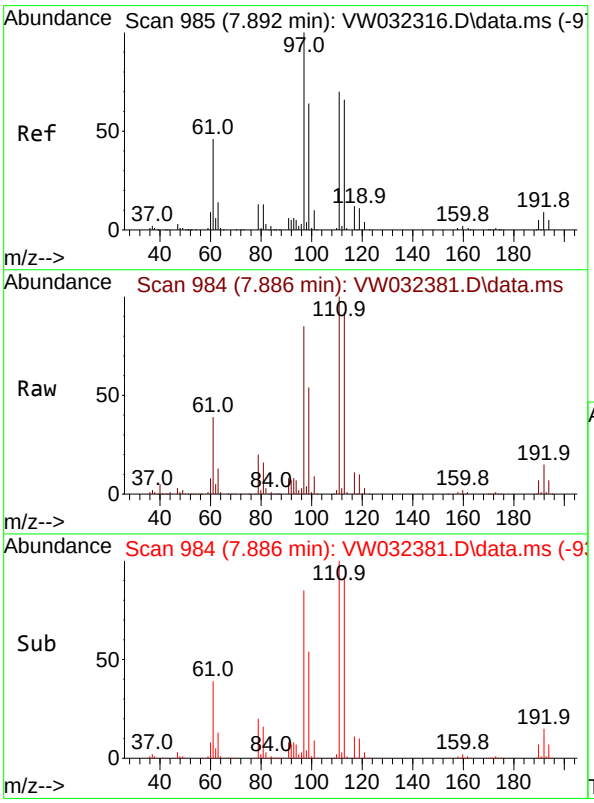
Ion	Ratio	Lower	Upper
56	100		
69	37.6	27.7	41.5
84	92.5	74.6	112.0



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
APPROVED

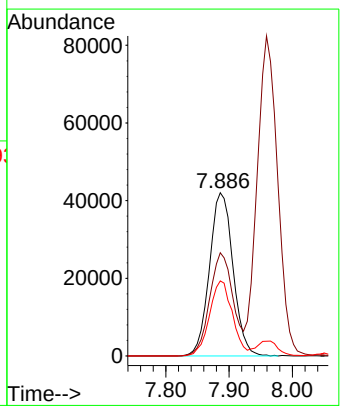
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

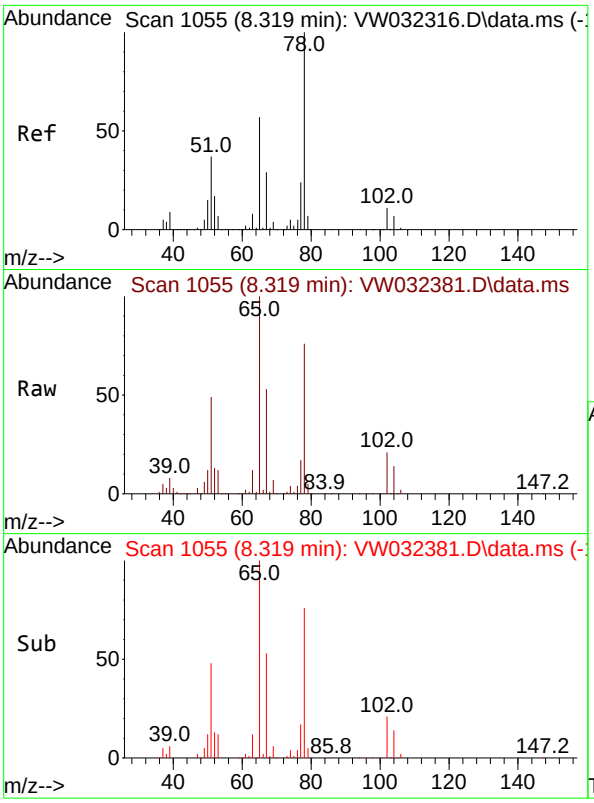


#32
1,1,1-Trichloroethane
Concen: 22.406 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 97 Resp: 108696

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.9	76.3
61	44.6	36.2	54.4





#33
1,2-Dichloroethane-d4
Concen: 53.141 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

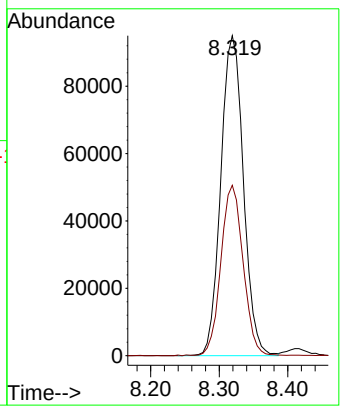
Tgt Ion: 65 Resp: 21753

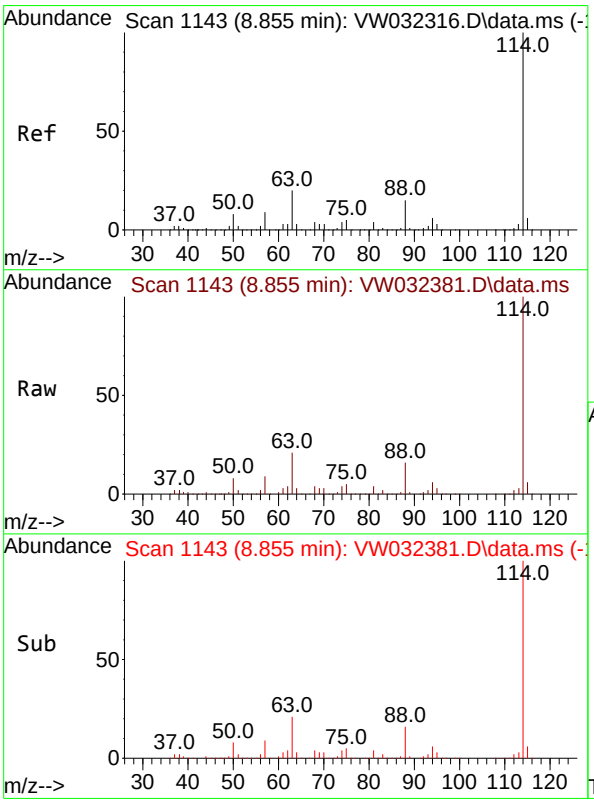
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	99.6

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

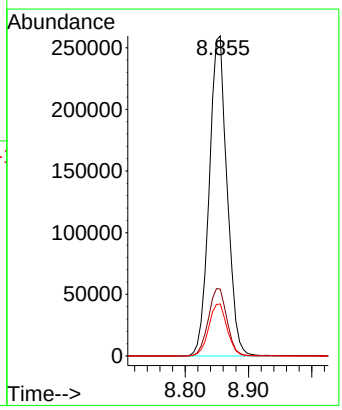


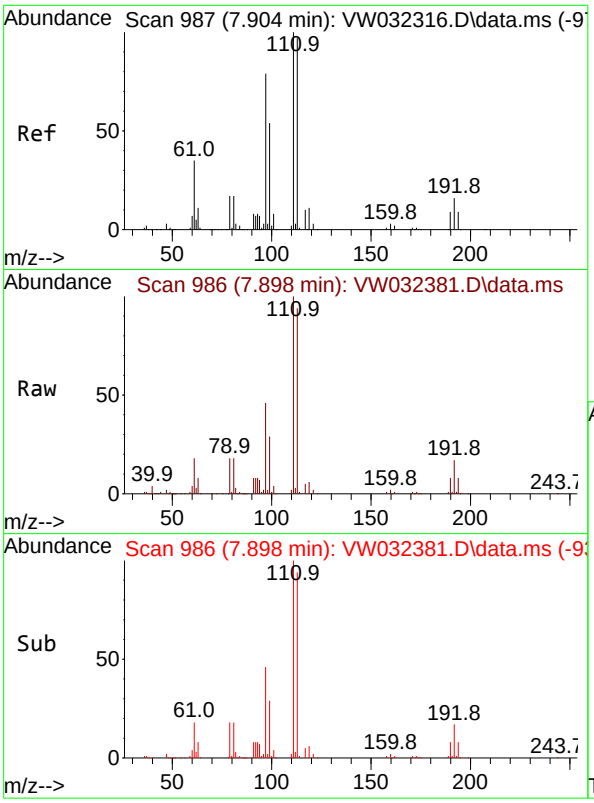


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:114 Resp: 507546

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.4
88	16.3	0.0	32.0

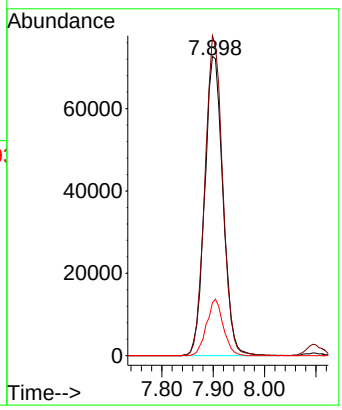




#35
Dibromofluoromethane
Concen: 54.477 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:113 Resp: 17906

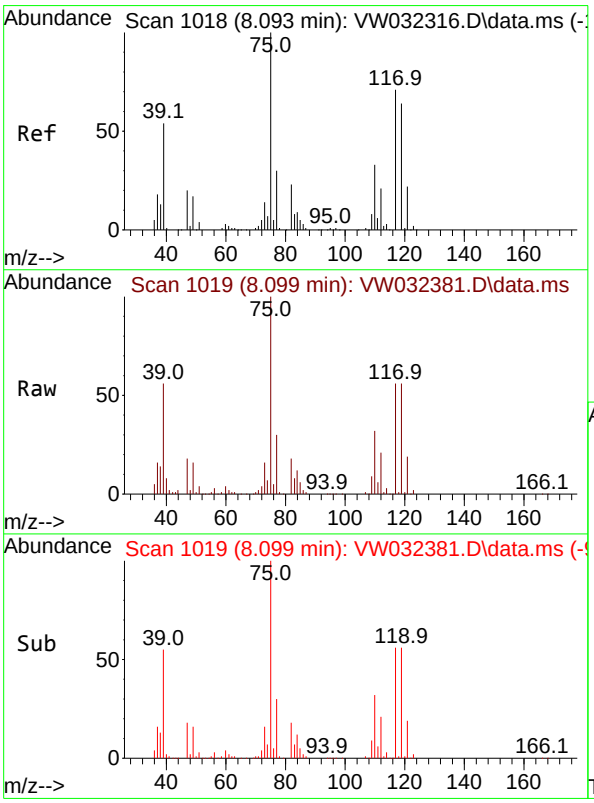
Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.9	125.9
192	17.3	14.6	21.8



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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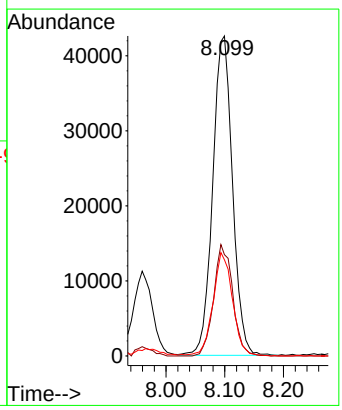
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

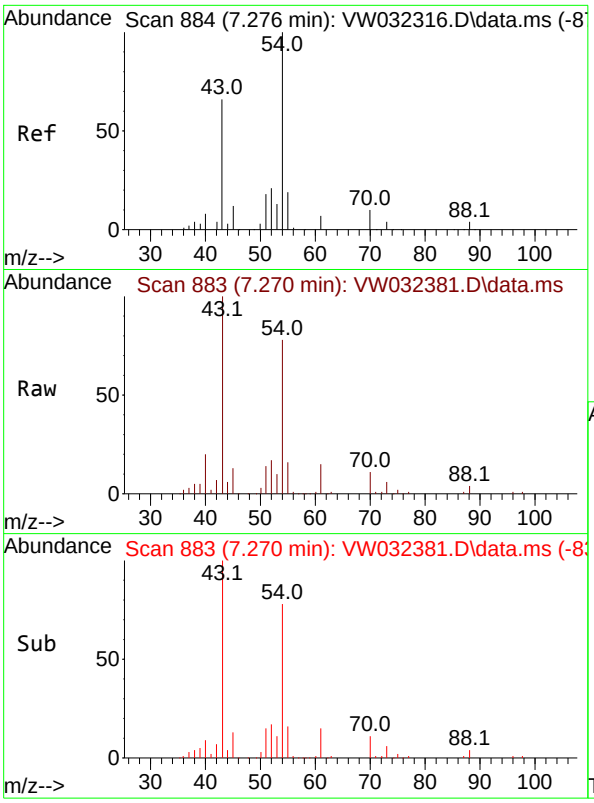


#36
1,1-Dichloropropene
Concen: 21.464 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 75 Resp: 99568

Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.5	52.5
77	31.9	24.1	36.1





#37
Ethyl Acetate
Concen: 22.625 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

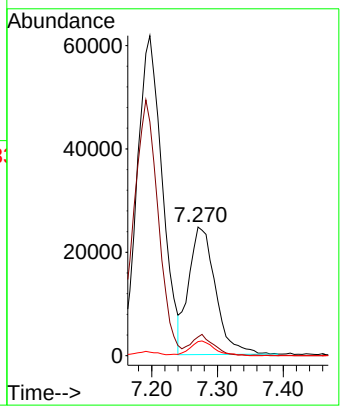
Tgt Ion: 43 Resp: 6985

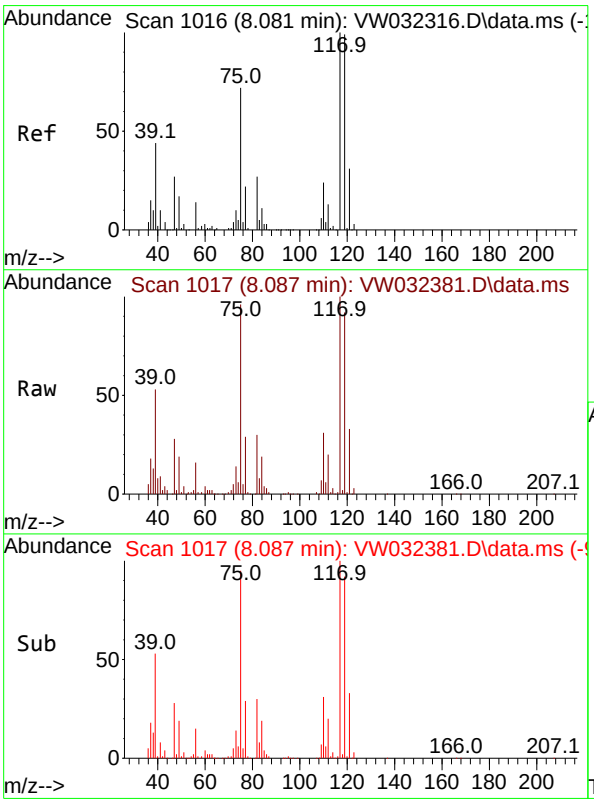
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.3	16.9
70	10.5	8.9	13.3

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

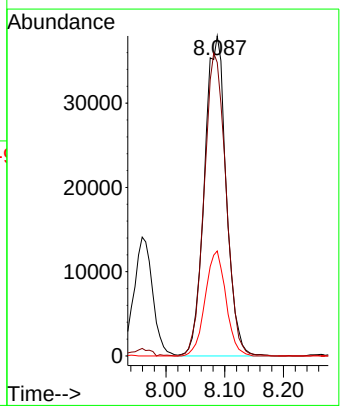


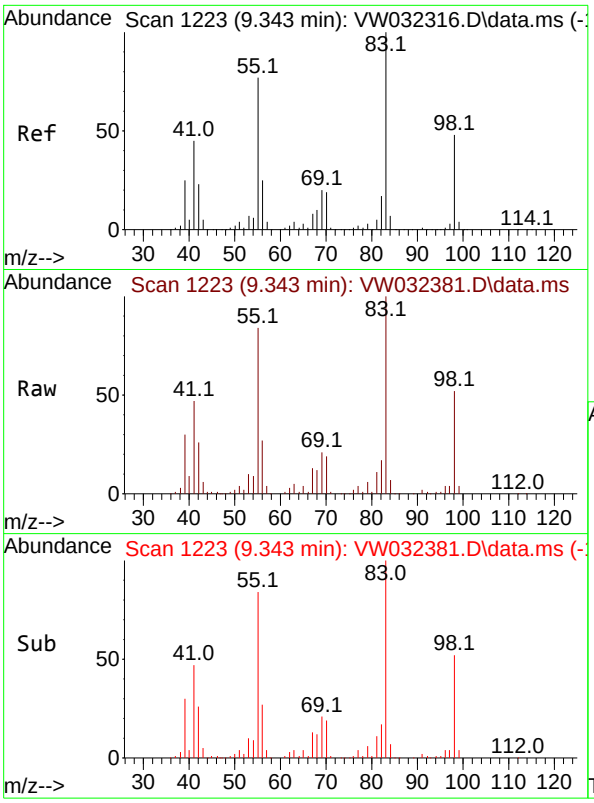


#38
Carbon Tetrachloride
Concen: 22.304 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:117 Resp: 97363

Ion	Ratio	Lower	Upper
117	100		
119	91.7	74.2	111.2
121	32.8	25.6	38.4

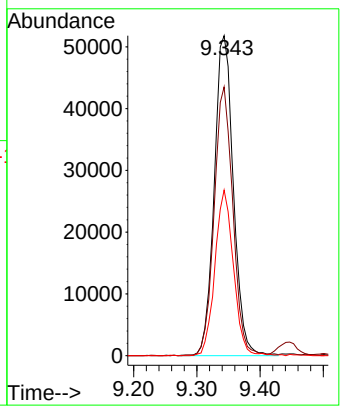




#39
Methylcyclohexane
Concen: 19.391 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 83 Resp: 10849

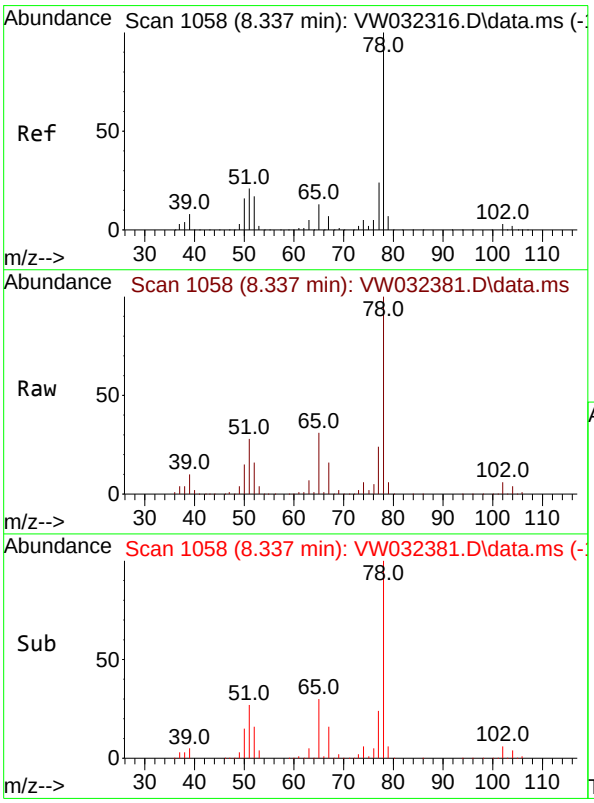
Ion	Ratio	Lower	Upper
83	100		
55	84.0	58.4	87.6
98	51.7	39.4	59.2



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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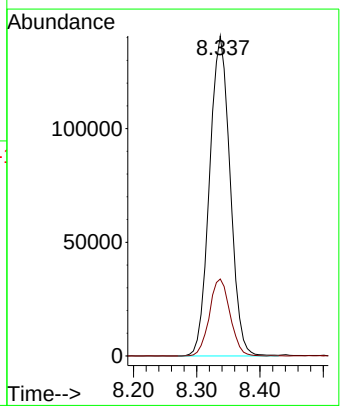
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

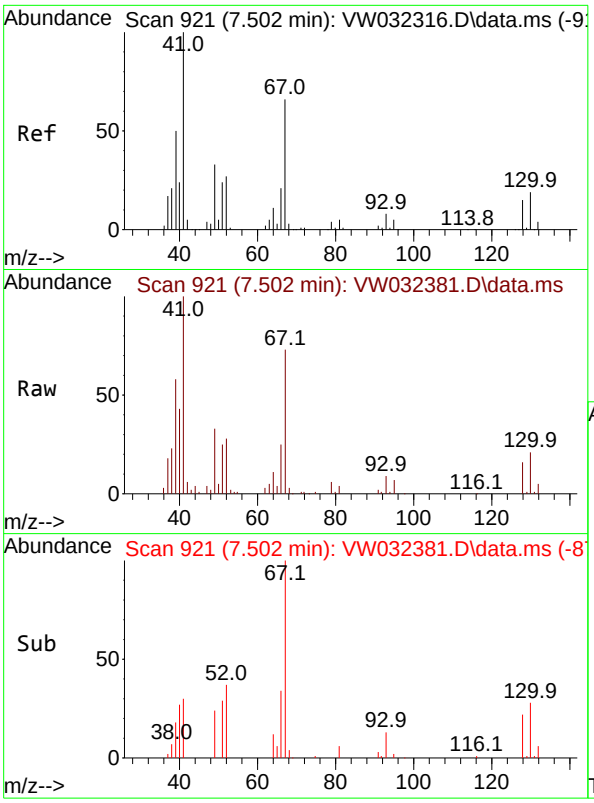


#40
Benzene
Concen: 21.845 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 78 Resp: 317626

Ion	Ratio	Lower	Upper
78	100		
77	24.1	20.7	31.1

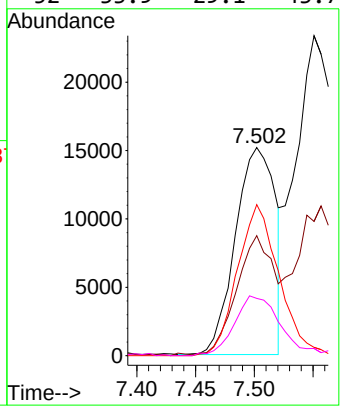




#41
Methacrylonitrile
Concen: 21.516 ug/l
RT: 7.502 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 41 Resp: 3580

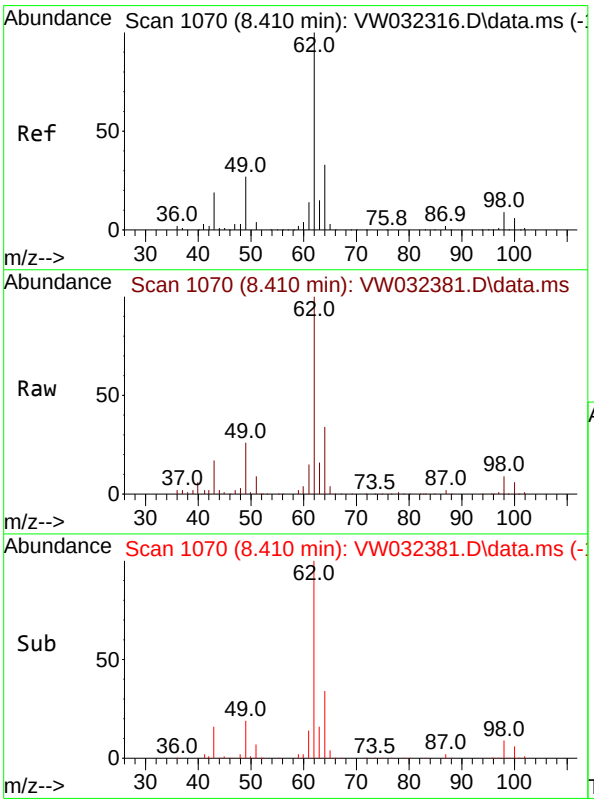
Ion	Ratio	Lower	Upper
41	100		
39	53.3	50.9	76.3
67	76.7	65.6	98.4
52	33.9	29.1	43.7



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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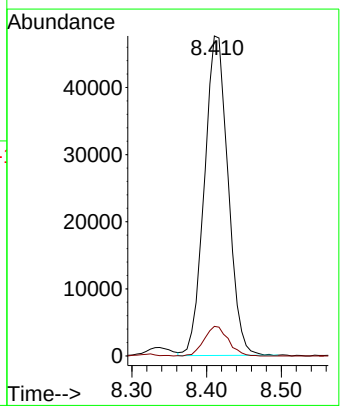
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

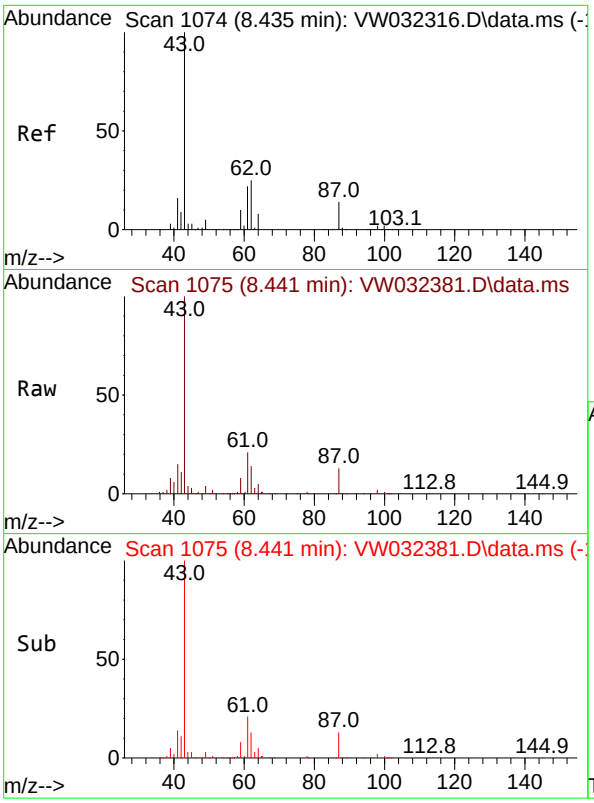


#42
1,2-Dichloroethane
Concen: 22.027 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 62 Resp: 104797

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.0





#43
Isopropyl Acetate
Concen: 21.760 ug/l
RT: 8.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

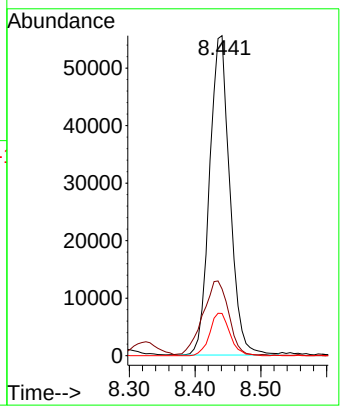
Tgt Ion: 43 Resp: 11918

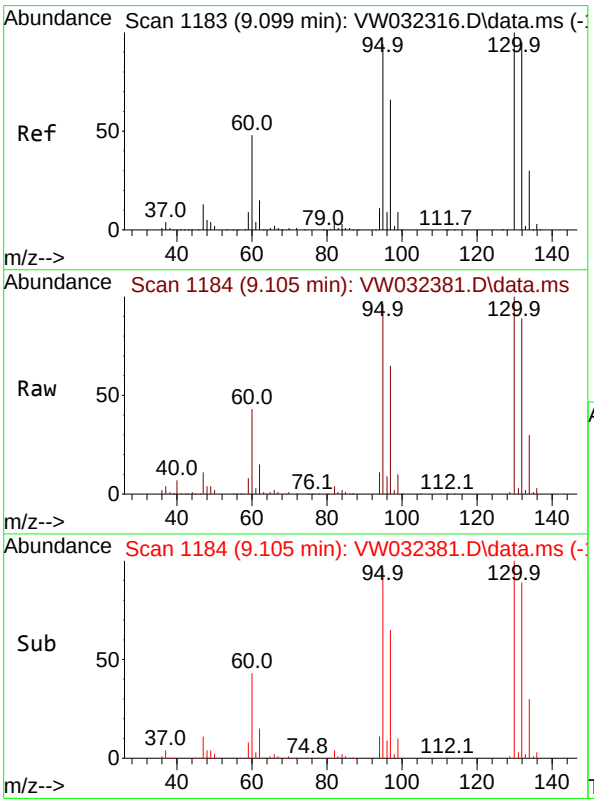
Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.3	34.9
87	13.3	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

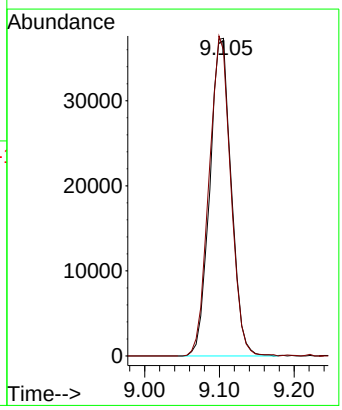


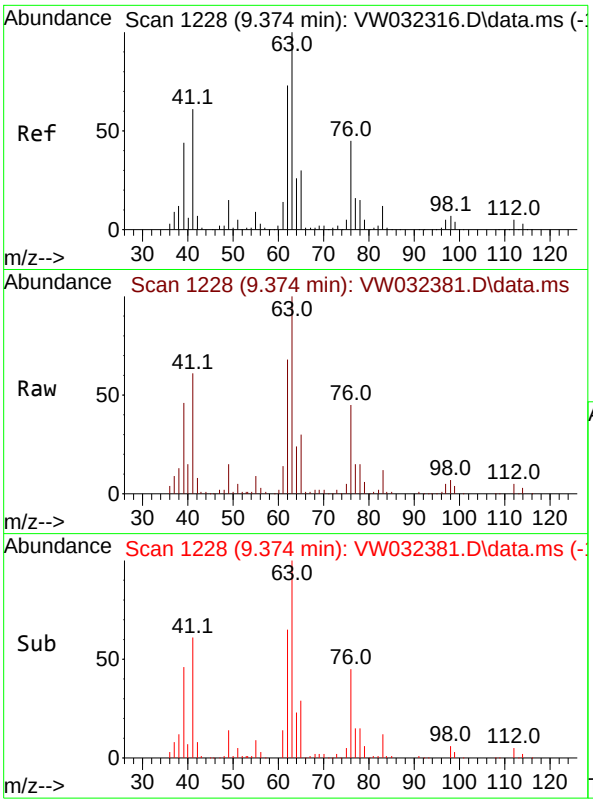


#44
Trichloroethene
Concen: 21.903 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:130 Resp: 74572

Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	220.0





#45
1,2-Dichloropropane
Concen: 22.167 ug/l
RT: 9.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

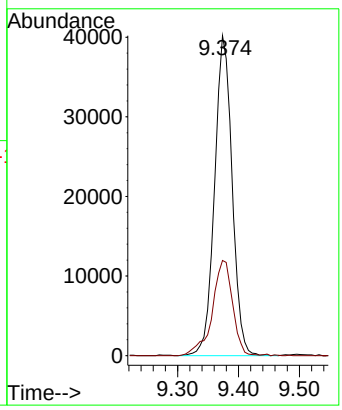
Tgt Ion: 63 Resp: 8044

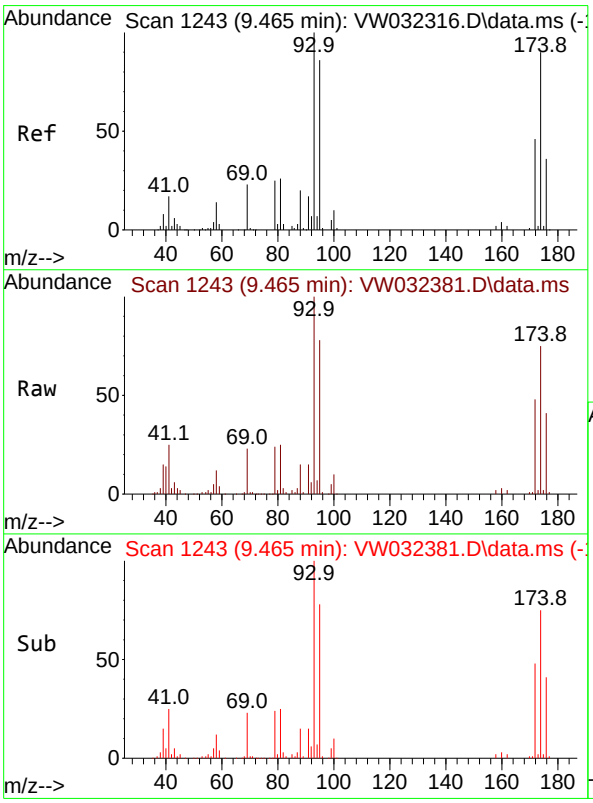
Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.3	36.5

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

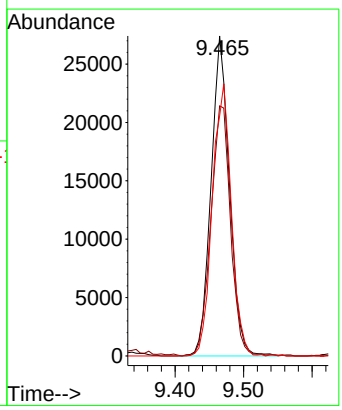


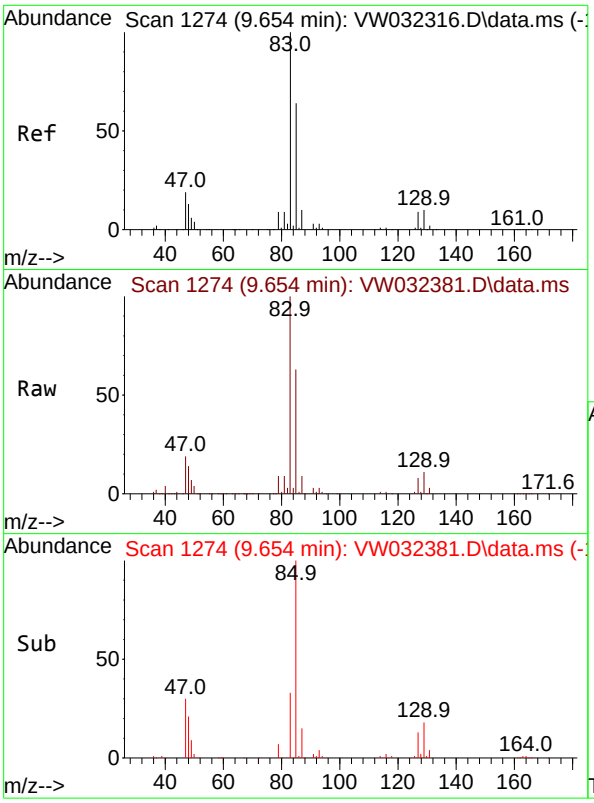


#46
Dibromomethane
Concen: 22.938 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 93 Resp: 51190

Ion	Ratio	Lower	Upper
93	100		
95	83.5	67.4	101.2
174	87.5	75.7	113.5

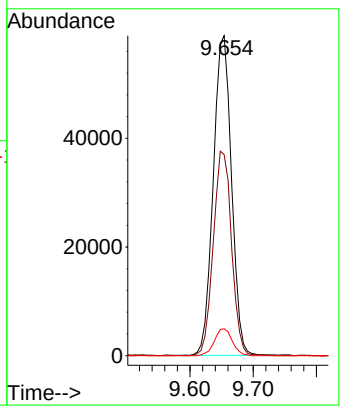




#47
Bromodichloromethane
Concen: 23.021 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 83 Resp: 11750

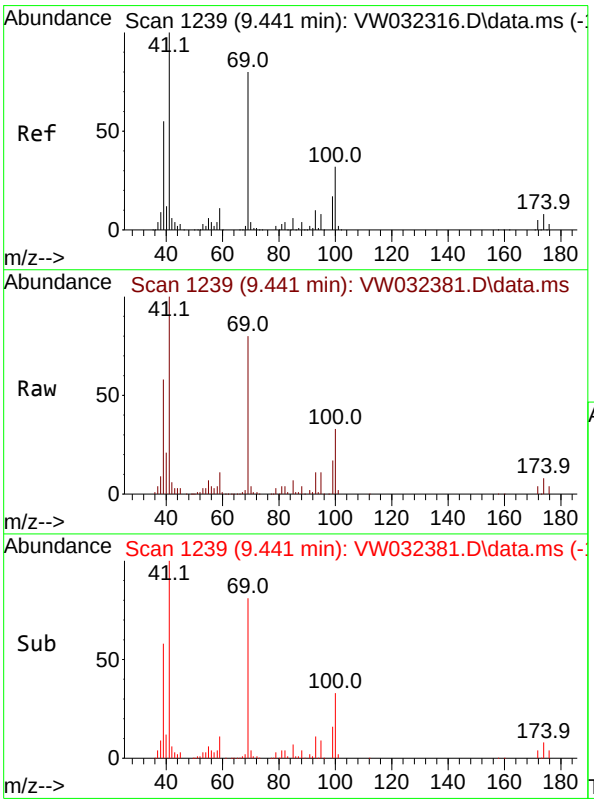
Ion	Ratio	Lower	Upper
83	100		
85	62.9	48.7	73.1
127	8.4	6.4	9.6



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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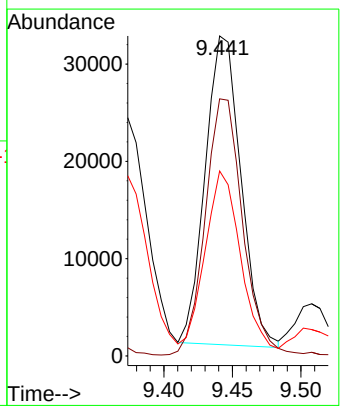
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

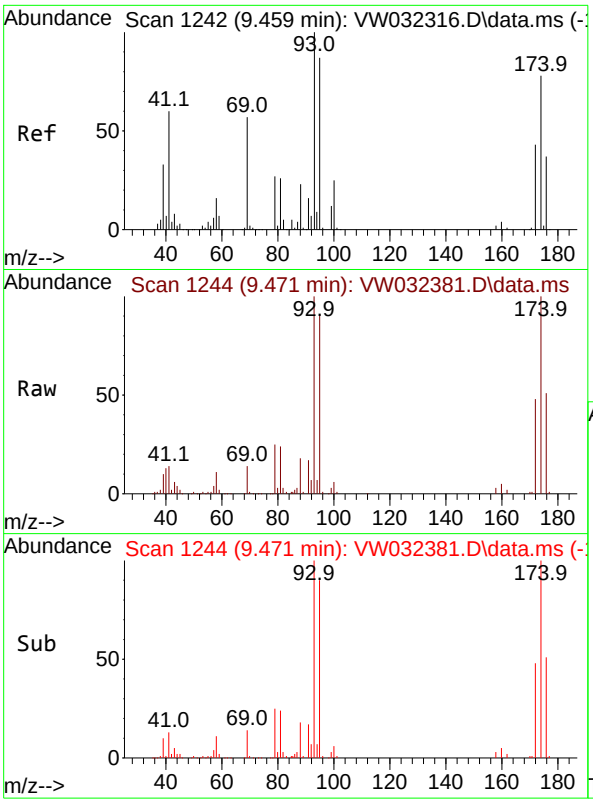


#48
Methyl methacrylate
Concen: 21.537 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 41 Resp: 57356

Ion	Ratio	Lower	Upper
41	100		
69	87.4	71.5	107.3
39	60.6	55.9	83.9

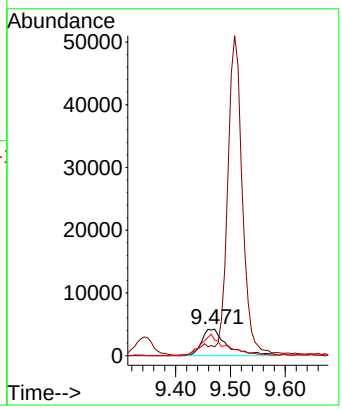




#49
1,4-Dioxane
Concen: 445.427 ug/l
RT: 9.471 min Scan# 1
Delta R.T. 0.012 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 88 Resp: 1358

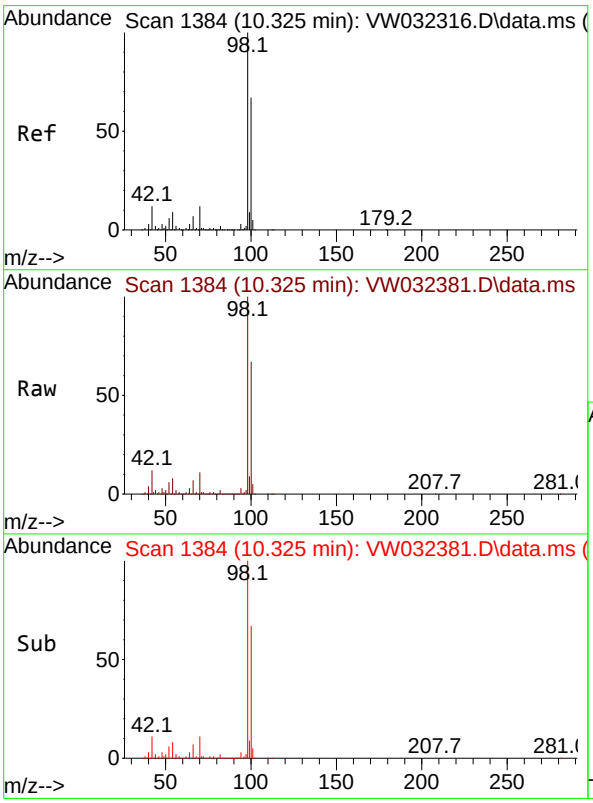
Ion	Ratio	Lower	Upper
88	100		
43	0.0	18.0	27.0#
58	79.3	55.4	83.0



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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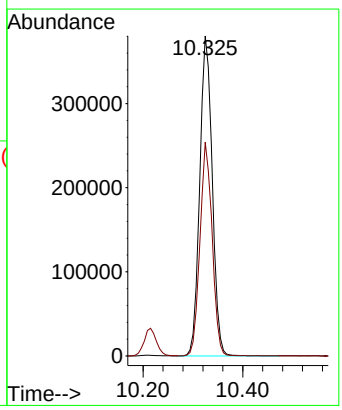
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

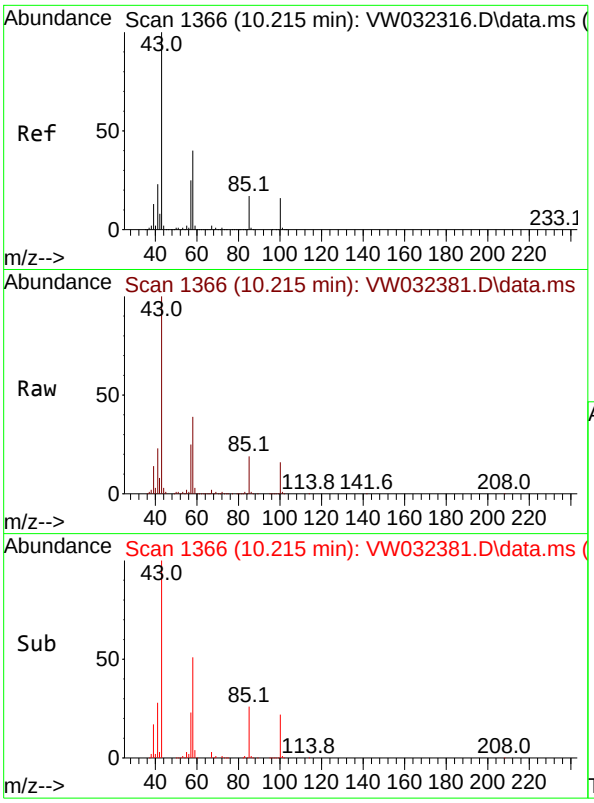


#50
Toluene-d8
Concen: 54.542 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 98 Resp: 661666

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.2





#51
4-Methyl-2-Pentanone
Concen: 111.810 ug/l
RT: 10.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

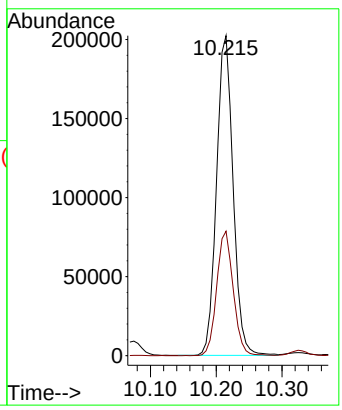
Tgt Ion: 43 Resp: 35472

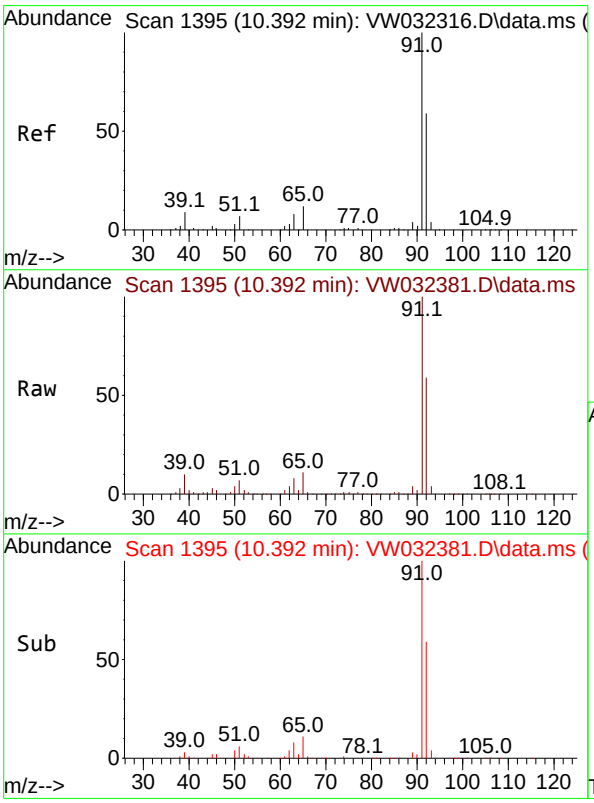
Ion	Ratio	Lower	Upper
43	100		
58	38.9	32.0	48.0

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

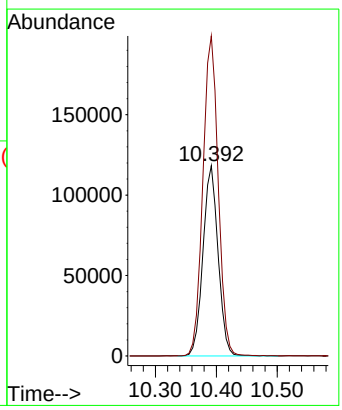


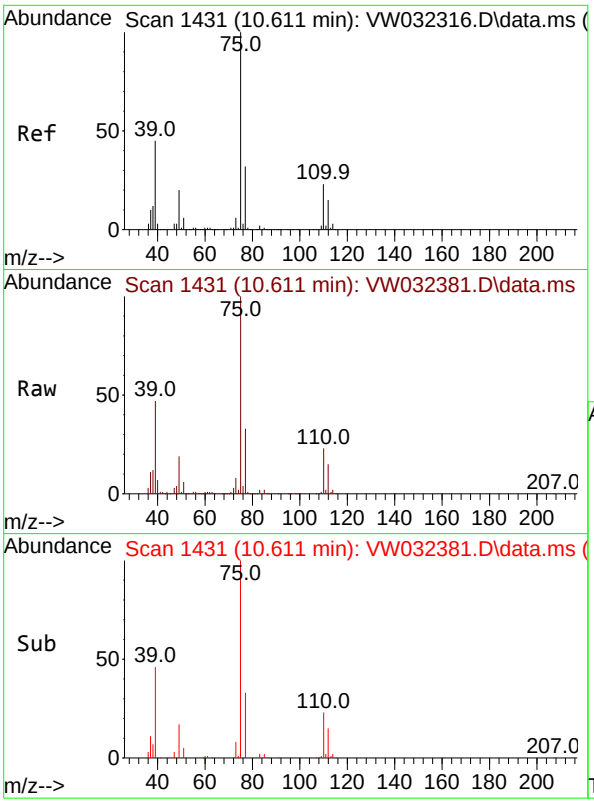


#52
Toluene
Concen: 22.492 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 92 Resp: 203658

Ion	Ratio	Lower	Upper
92	100		
91	170.9	137.5	206.3





#53
t-1,3-Dichloropropene
Concen: 22.555 ug/l
RT: 10.611 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

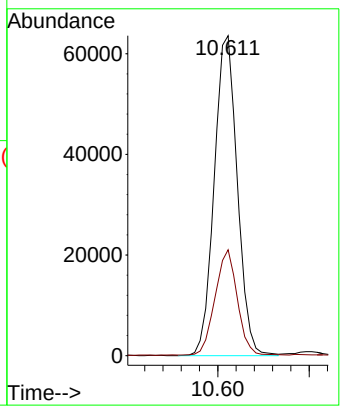
Tgt Ion: 75 Resp: 11169

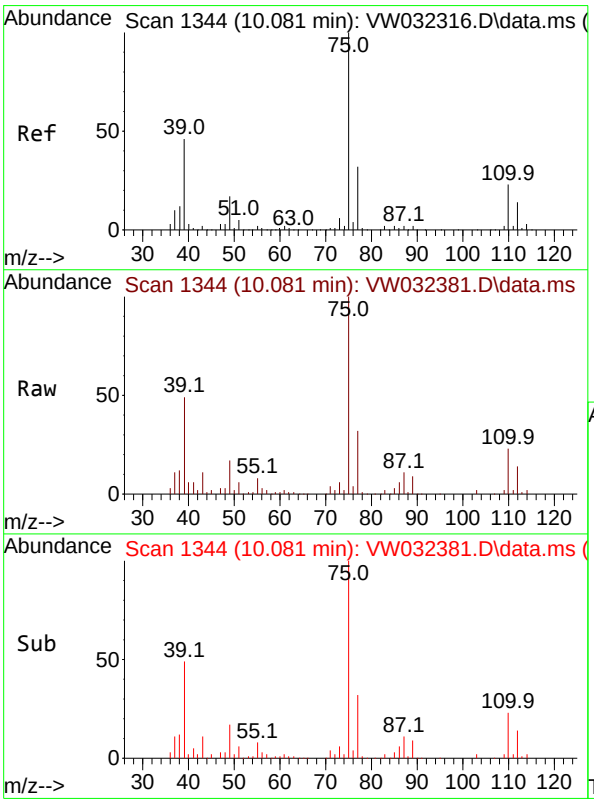
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.6	38.4

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

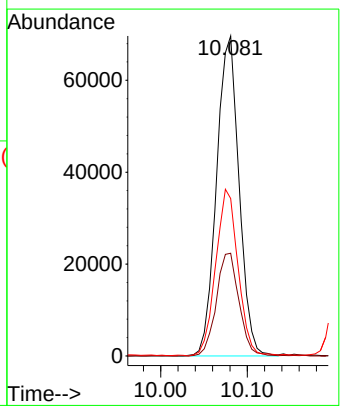


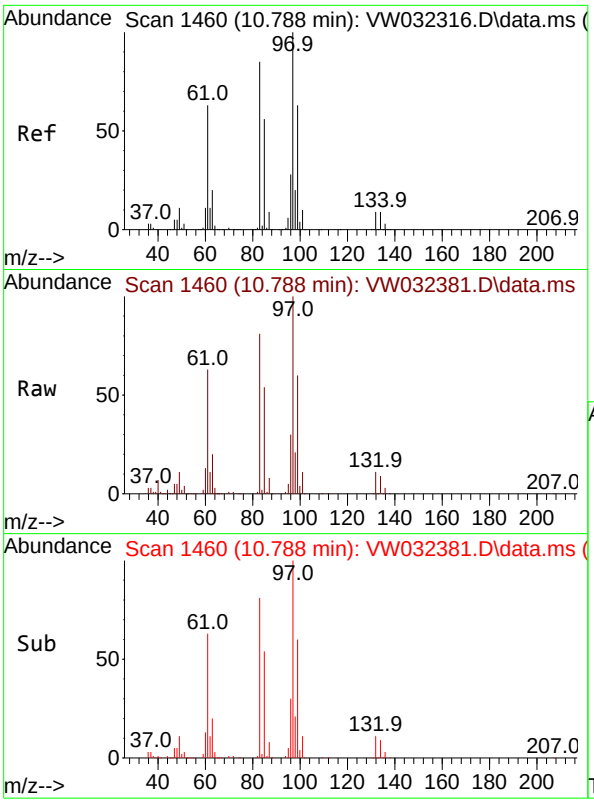


#54
cis-1,3-Dichloropropene
Concen: 22.056 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 75 Resp: 125815

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7
39	49.0	43.2	64.8

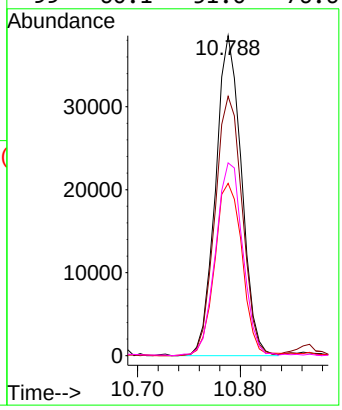




#55
1,1,2-Trichloroethane
Concen: 22.638 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 97 Resp: 6752

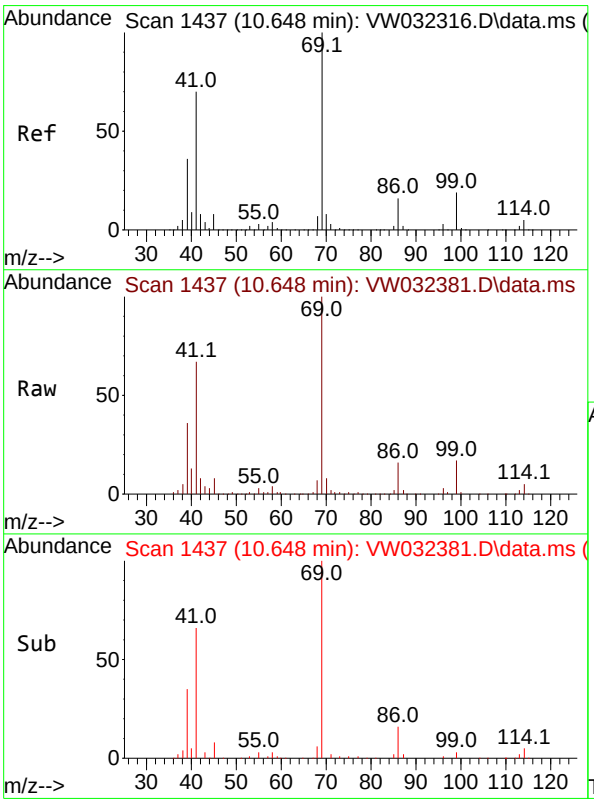
Ion	Ratio	Lower	Upper
97	100		
83	81.1	71.0	106.6
85	53.7	42.8	64.2
99	60.1	51.0	76.6



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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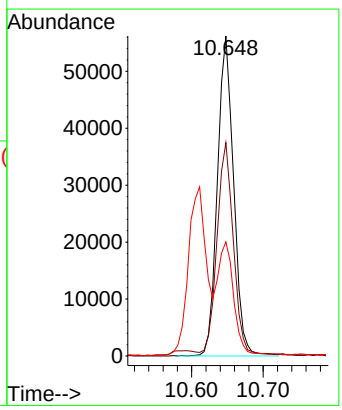
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

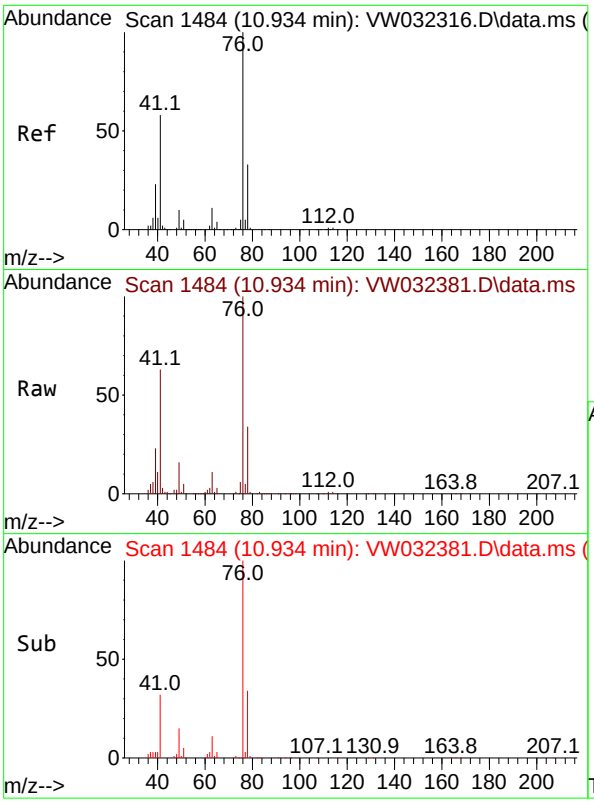


#56
Ethyl methacrylate
Concen: 21.270 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 69 Resp: 88799

Ion	Ratio	Lower	Upper
69	100		
41	66.8	53.2	79.8
39	34.0	32.9	49.3





#57
1,3-Dichloropropane
Concen: 22.206 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

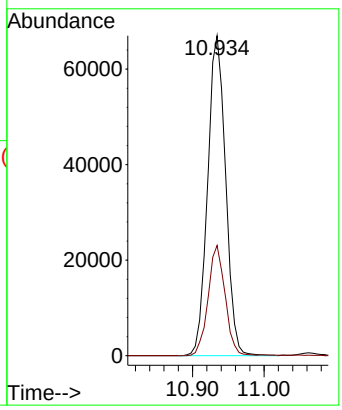
Tgt Ion: 76 Resp: 11698

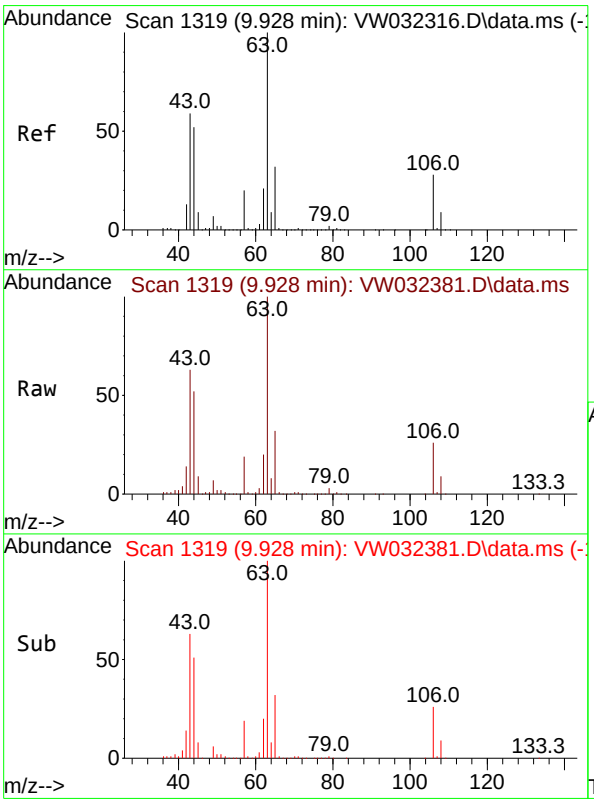
Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

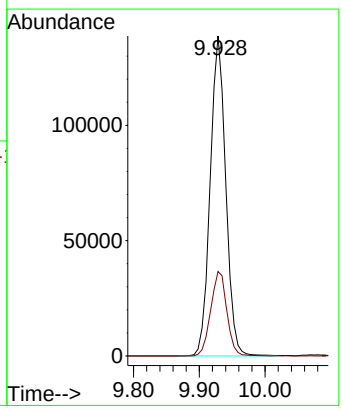


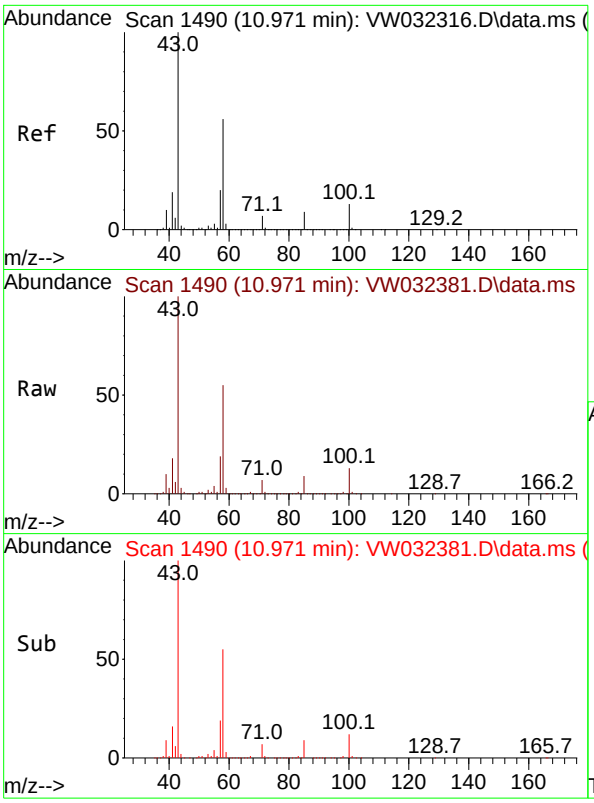


#58
2-Chloroethyl Vinyl ether
Concen: 102.786 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 63 Resp: 228377

Ion	Ratio	Lower	Upper
63	100		
106	27.3	24.3	36.5





#59
2-Hexanone
Concen: 114.515 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

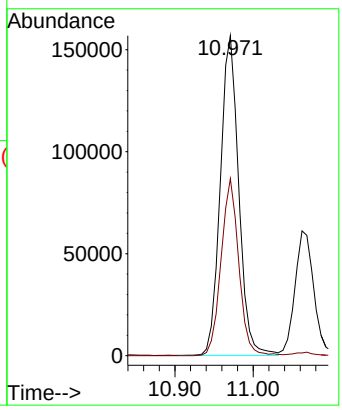
Tgt Ion: 43 Resp: 25623

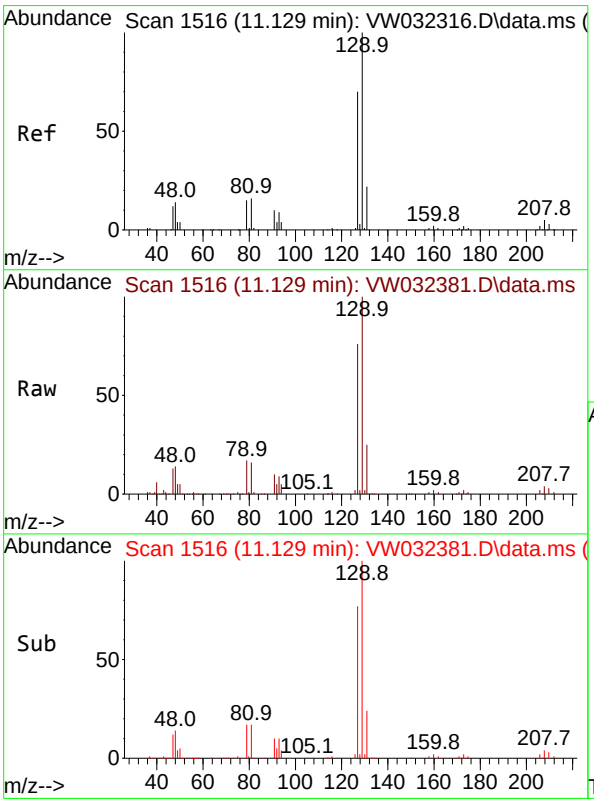
Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.5	82.4

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

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Reviewed By :Amit Patel 10/21/2025
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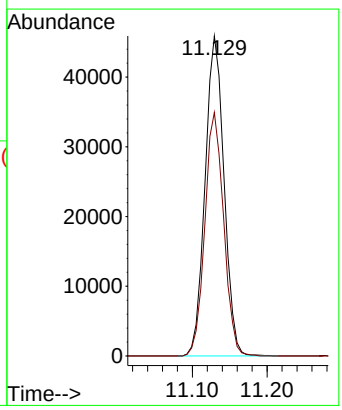


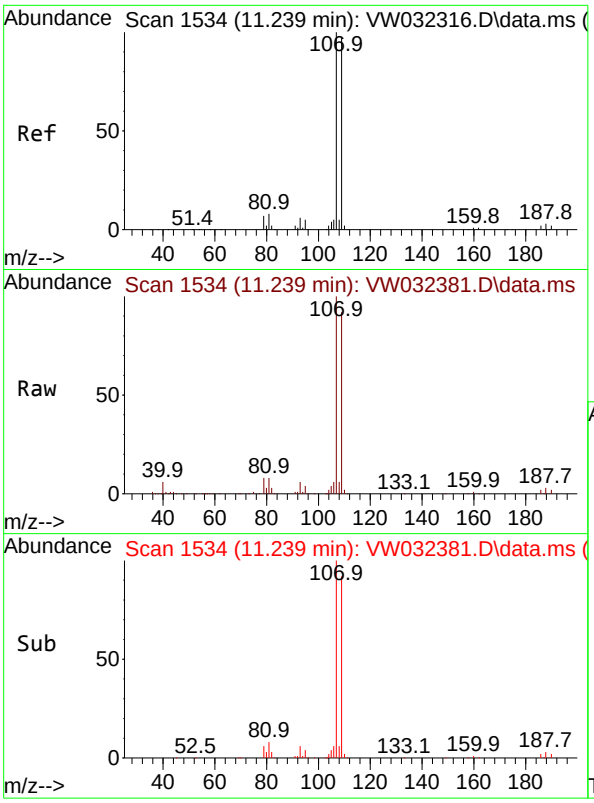


#60
Dibromochloromethane
Concen: 23.873 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:129 Resp: 80852

Ion	Ratio	Lower	Upper
129	100		
127	75.7	38.1	114.5





#61
1,2-Dibromoethane
Concen: 22.808 ug/l
RT: 11.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

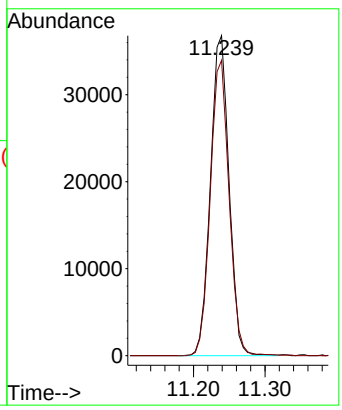
Tgt Ion:107 Resp: 6633

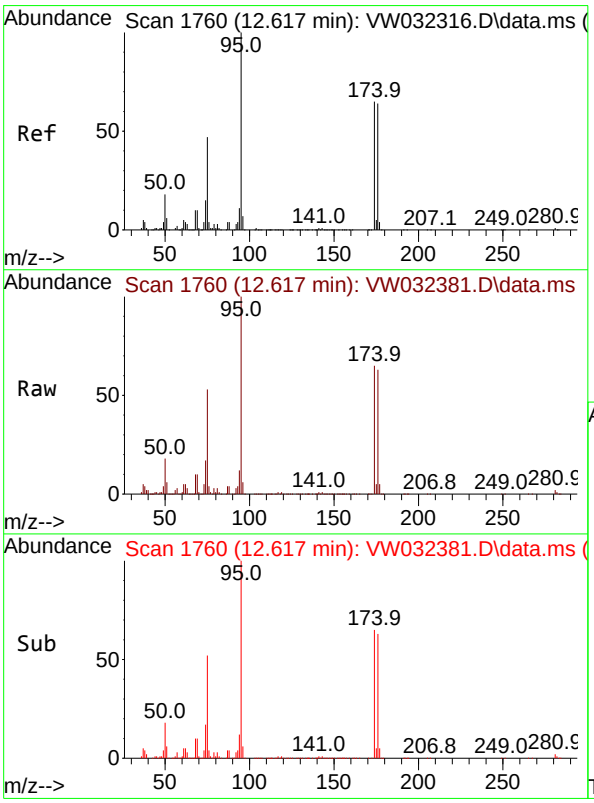
Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.5	111.7

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

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Reviewed By :Amit Patel 10/21/2025
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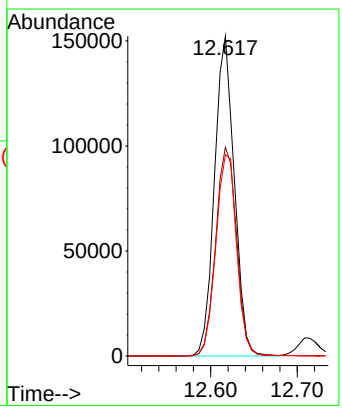


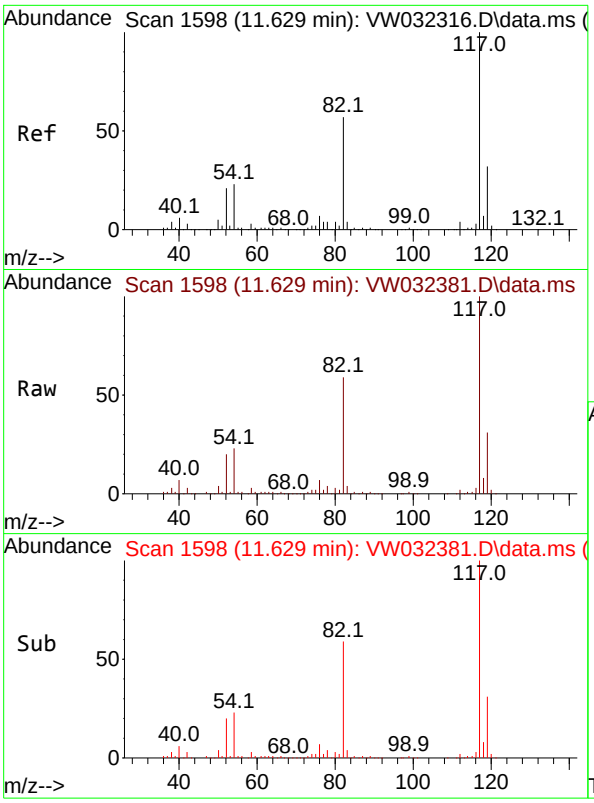


#62
4-Bromofluorobenzene
Concen: 52.844 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 95 Resp: 242303

Ion	Ratio	Lower	Upper
95	100		
174	68.6	0.0	145.6
176	65.9	0.0	140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

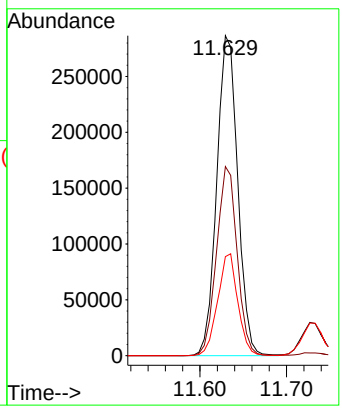
Tgt Ion:117 Resp: 48121

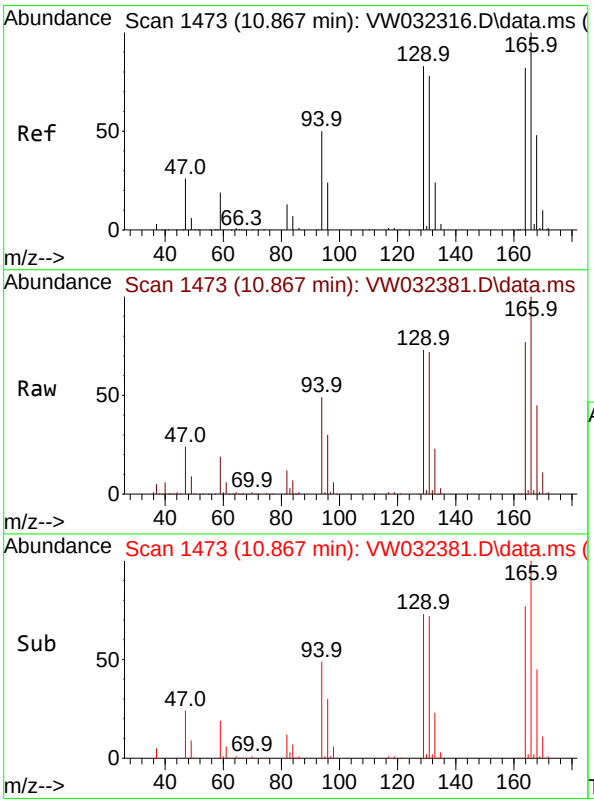
Ion	Ratio	Lower	Upper
117	100		
82	59.1	42.7	64.1
119	31.0	25.2	37.8

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

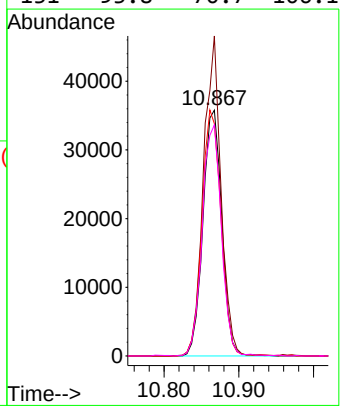


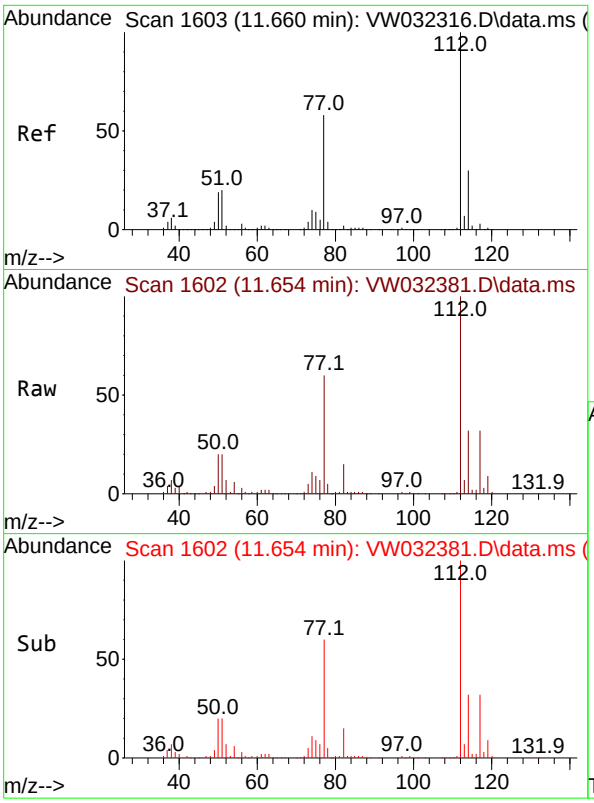


#64
Tetrachloroethene
Concen: 21.732 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:164 Resp: 62577

Ion	Ratio	Lower	Upper
164	100		
166	130.2	97.5	146.3
129	94.5	71.2	106.8
131	93.8	70.7	106.1

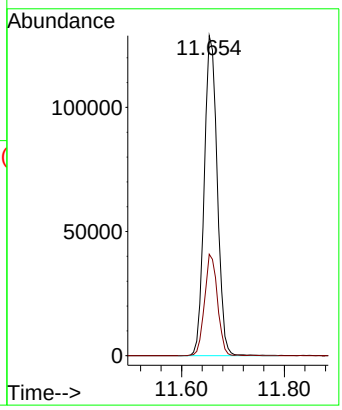




#65
Chlorobenzene
Concen: 21.329 ug/l
RT: 11.654 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:112 Resp: 22582

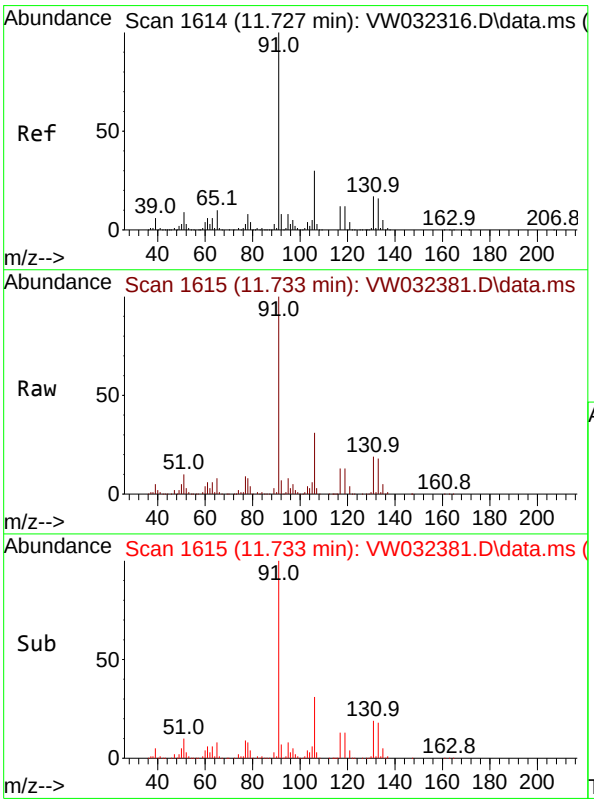
Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.0	39.0



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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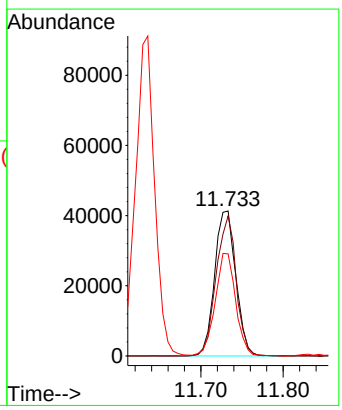
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

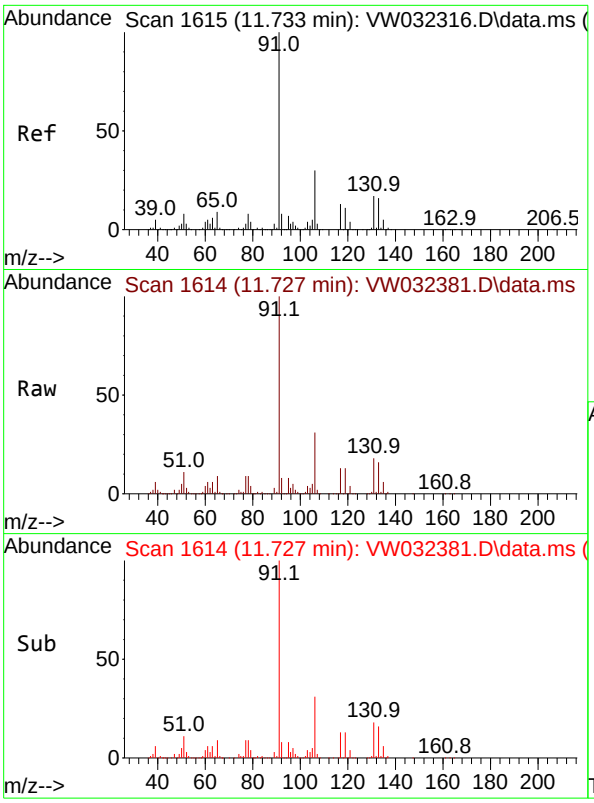


#66
1,1,1,2-Tetrachloroethane
Concen: 22.457 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:131 Resp: 74057

Ion	Ratio	Lower	Upper
131	100		
133	91.7	47.7	143.1
119	68.4	32.8	98.3





#67
Ethyl Benzene
Concen: 20.647 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

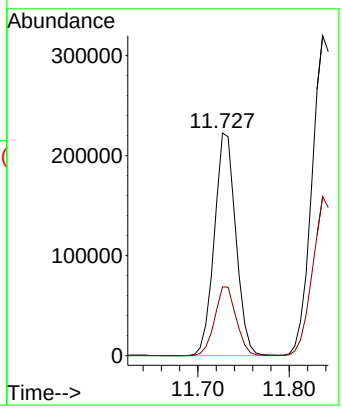
Tgt Ion: 91 Resp: 36439

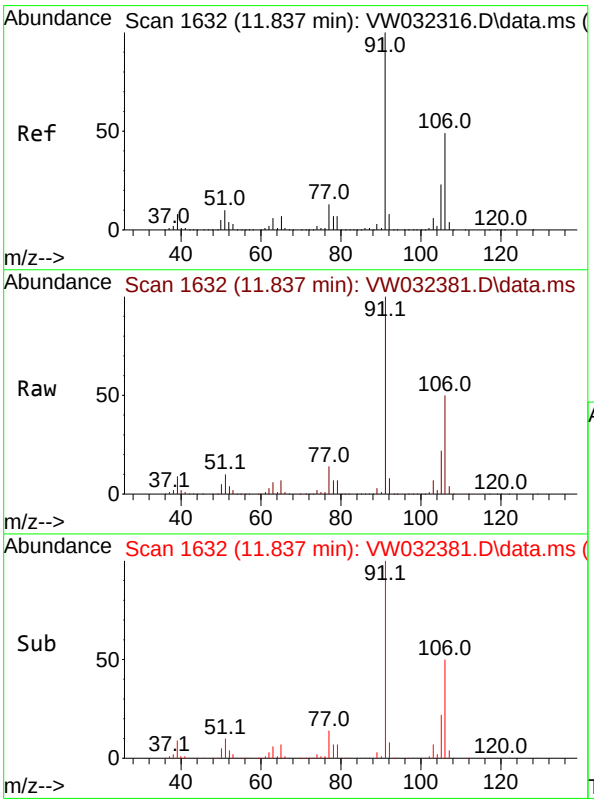
Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.3	37.9

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

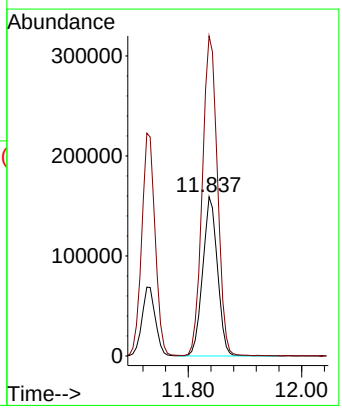


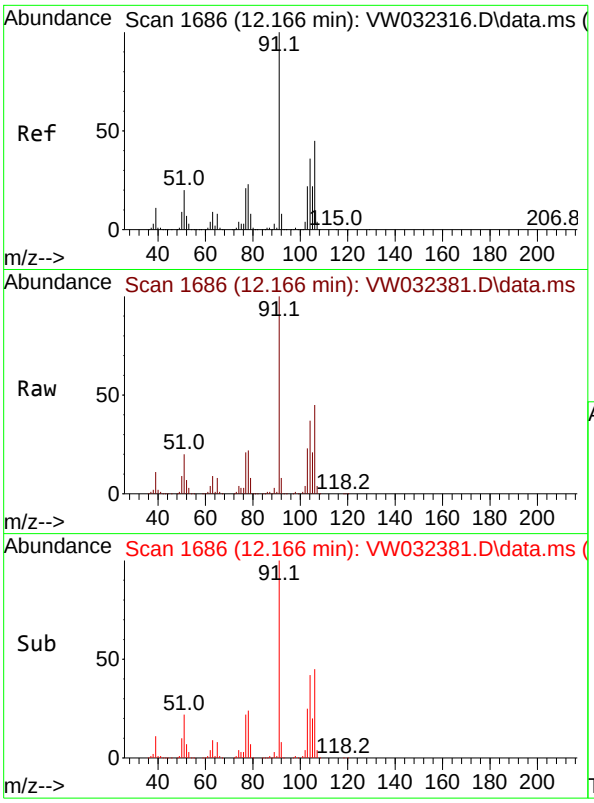


#68
m/p-Xylenes
Concen: 42.215 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:106 Resp: 287294

Ion	Ratio	Lower	Upper
106	100		
91	205.6	164.2	246.2





#69
o-Xylene
Concen: 20.691 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

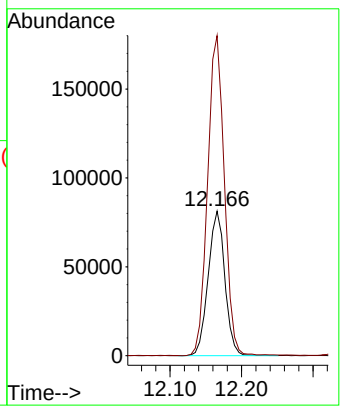
Tgt Ion:106 Resp: 13168

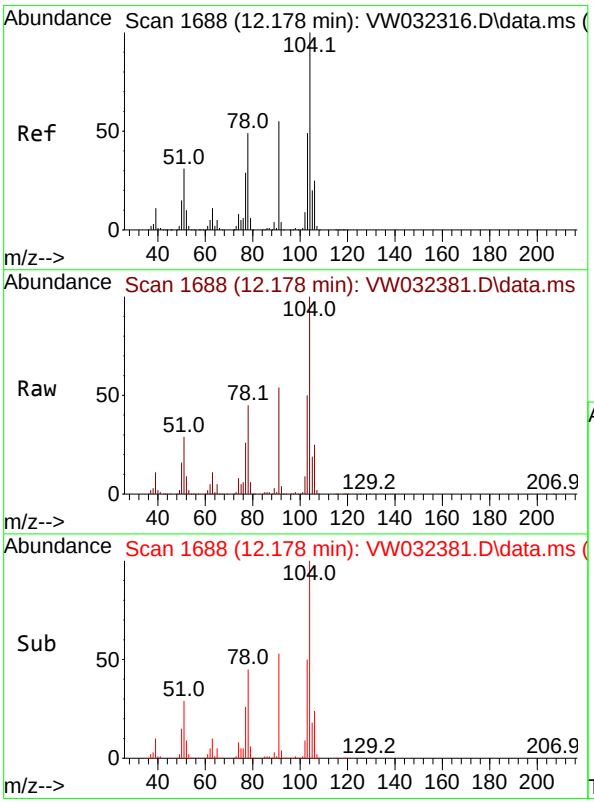
Ion	Ratio	Lower	Upper
106	100		
91	221.9	108.7	326.3

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

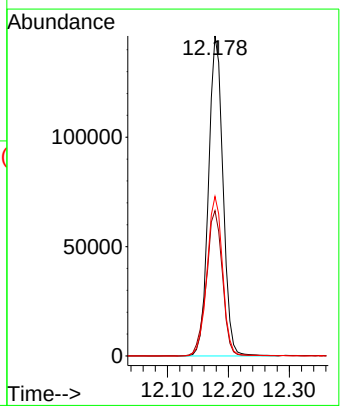


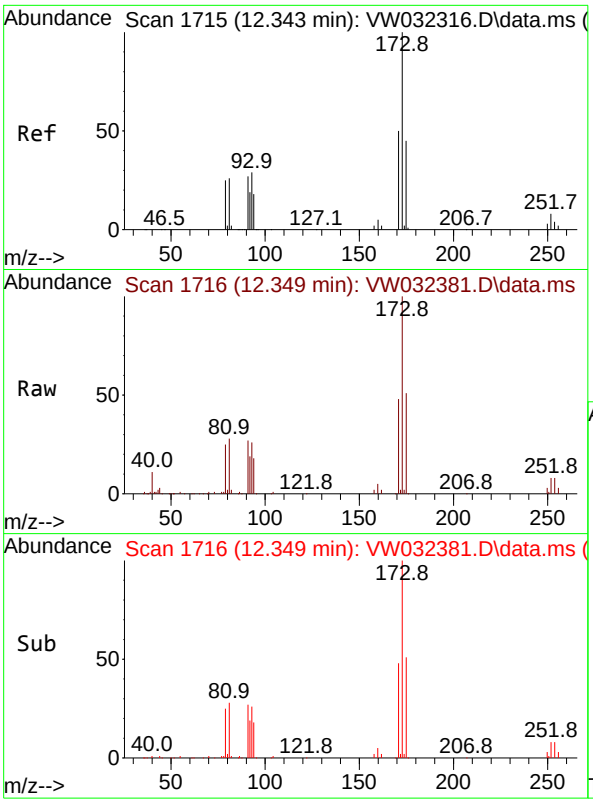


#70
Styrene
Concen: 21.782 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:104 Resp: 242035

Ion	Ratio	Lower	Upper
104	100		
78	50.2	41.6	62.4
103	53.3	44.8	67.2

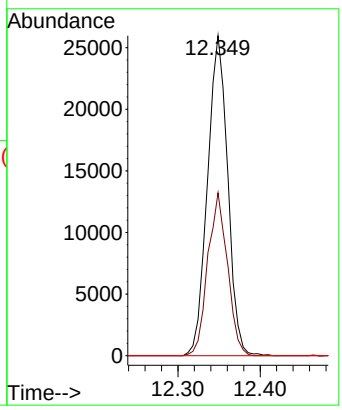




#71
Bromoform
Concen: 23.454 ug/l
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:173 Resp: 4433

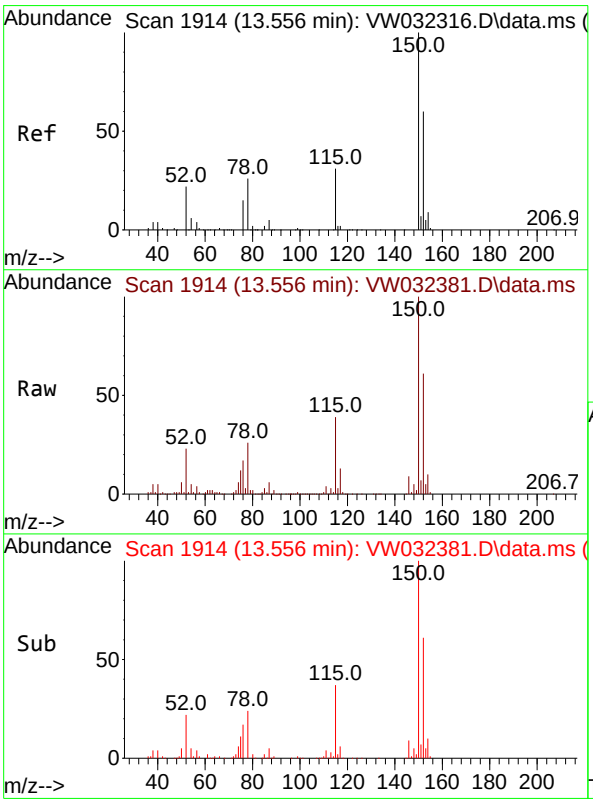
Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.9	74.7
254	0.0	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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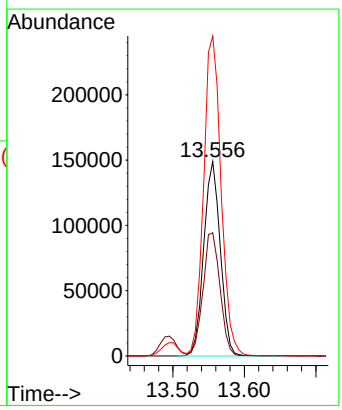
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

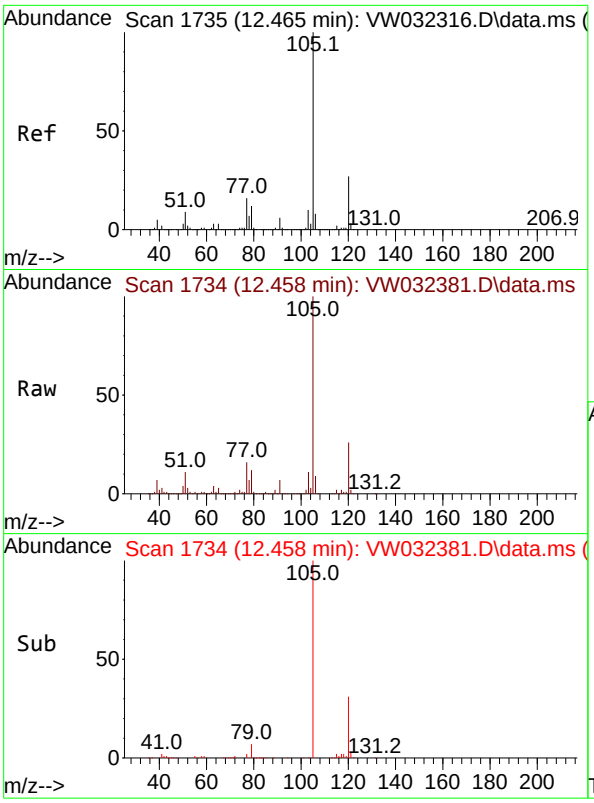


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:152 Resp: 239754

Ion	Ratio	Lower	Upper
152	100		
115	65.0	31.8	95.4
150	173.0	0.0	343.0





#73
Isopropylbenzene
Concen: 19.804 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

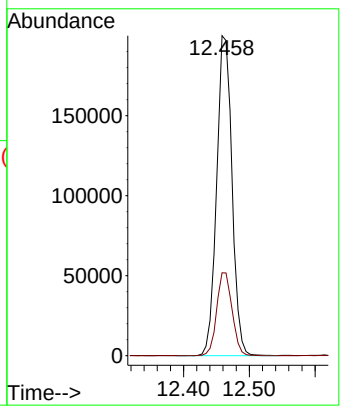
Tgt Ion:105 Resp: 32484

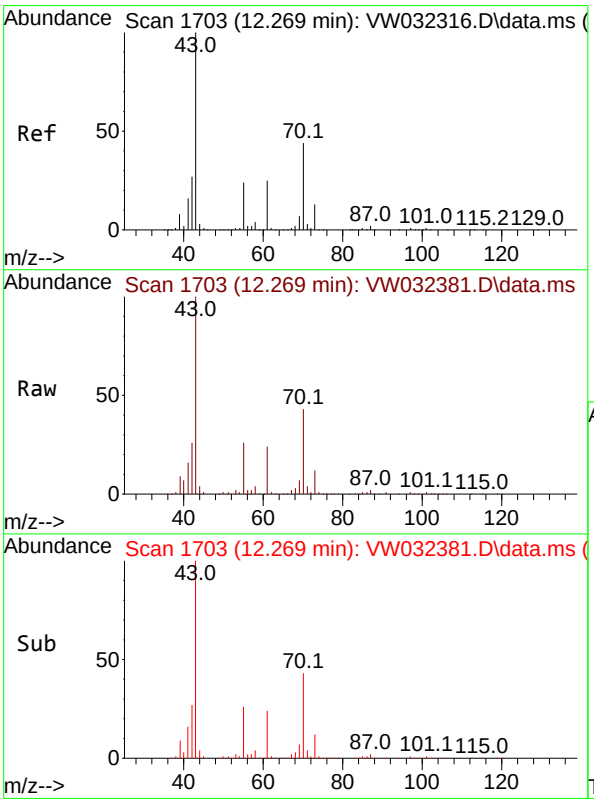
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

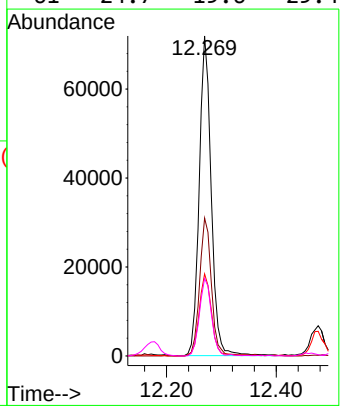


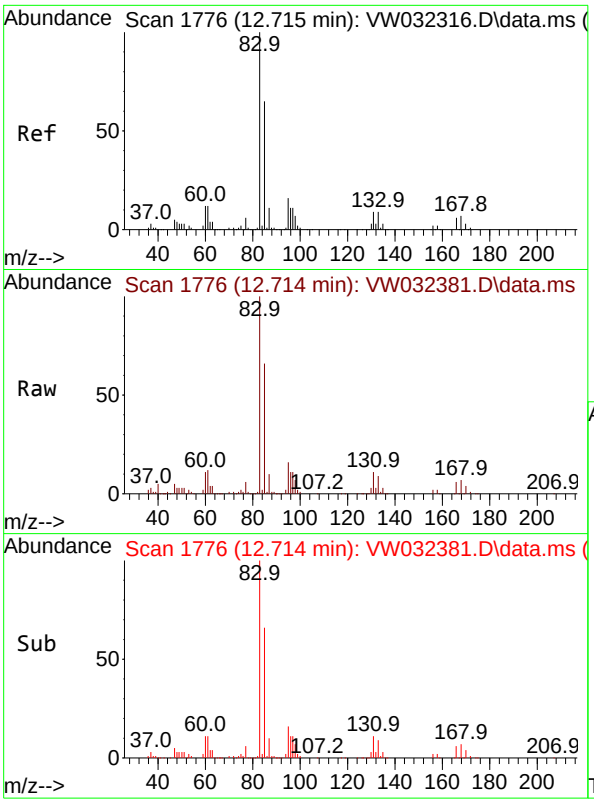


#74
N-amyl acetate
Concen: 20.882 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 43 Resp: 109272

Ion	Ratio	Lower	Upper
43	100		
70	42.7	35.3	52.9
55	26.5	19.9	29.9
61	24.7	19.6	29.4

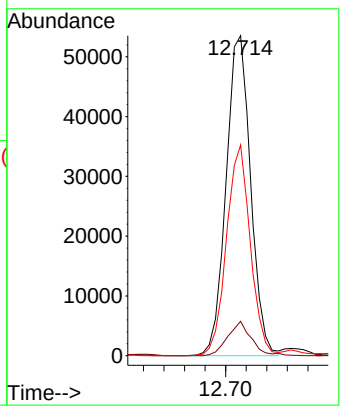




#75
1,1,2,2-Tetrachloroethane
Concen: 21.817 ug/l
RT: 12.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 83 Resp: 8885

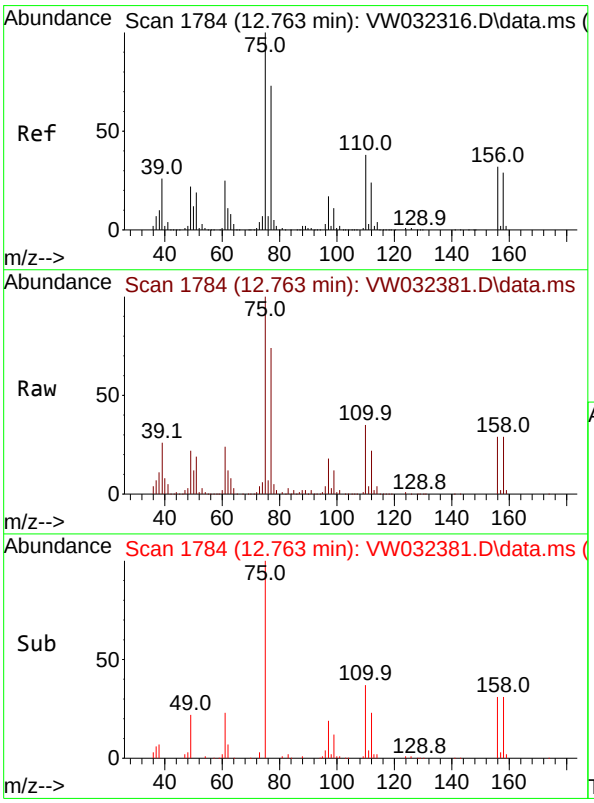
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.4
85	63.9	32.2	96.6



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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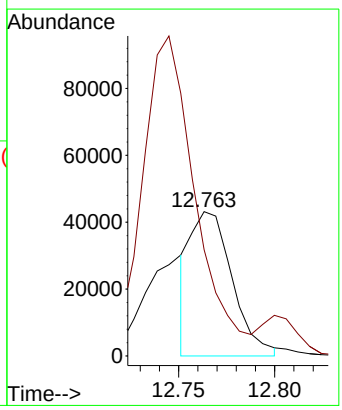
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

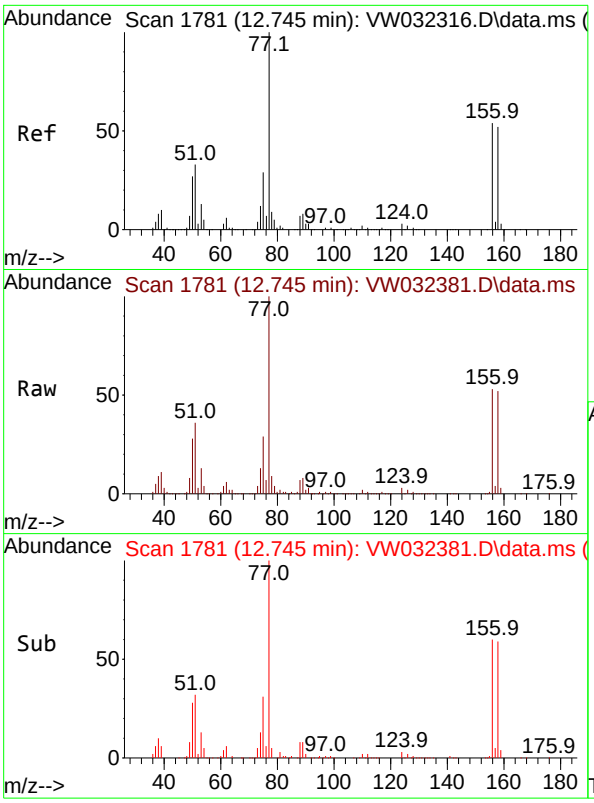


#76
1,2,3-Trichloropropane
Concen: 20.661 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 75 Resp: 65188

Ion	Ratio	Lower	Upper
75	100		
77	280.8	141.7	425.1

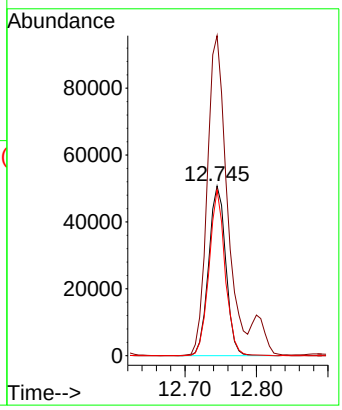




#77
Bromobenzene
Concen: 21.370 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:156 Resp: 8449

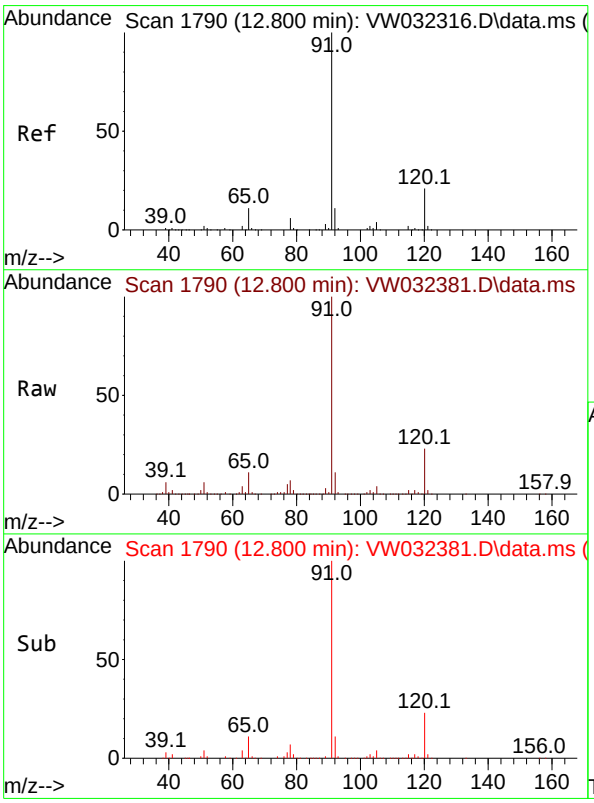
Ion	Ratio	Lower	Upper
156	100		
77	216.6	98.6	295.7
158	92.0	48.4	145.0



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

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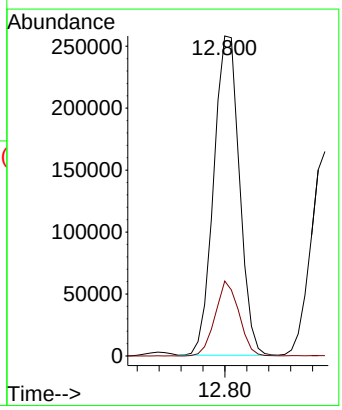
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

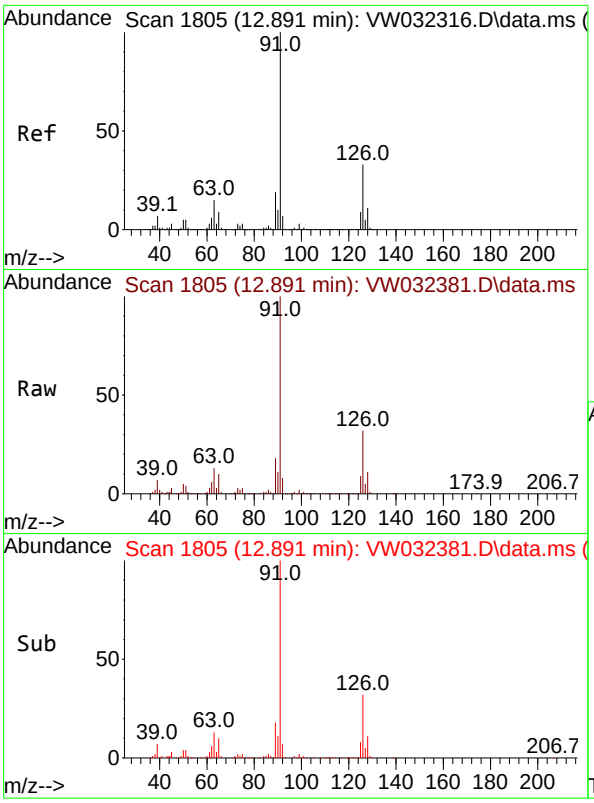


#78
n-propylbenzene
Concen: 20.504 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 91 Resp: 420117

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.8	35.4





#79
2-Chlorotoluene
Concen: 20.609 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

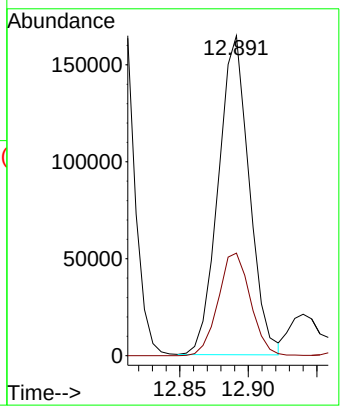
Tgt Ion: 91 Resp: 25819

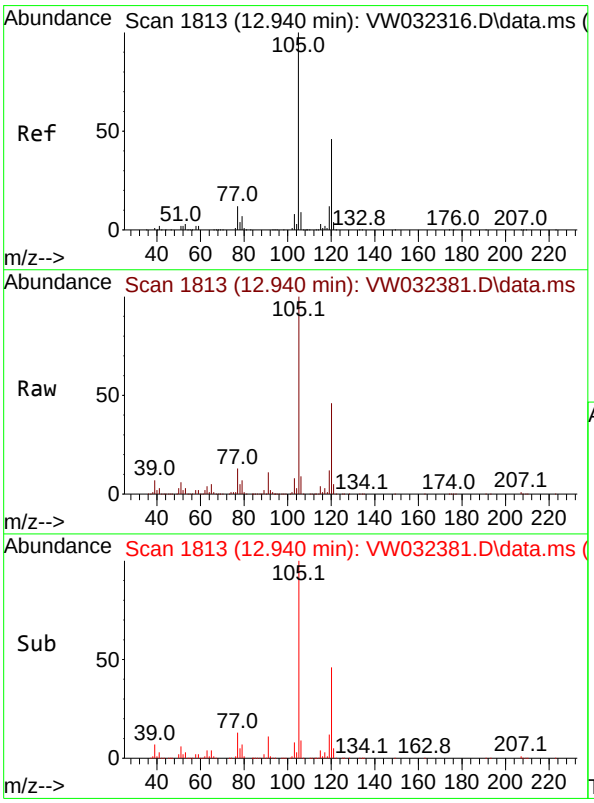
Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.6	49.7

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

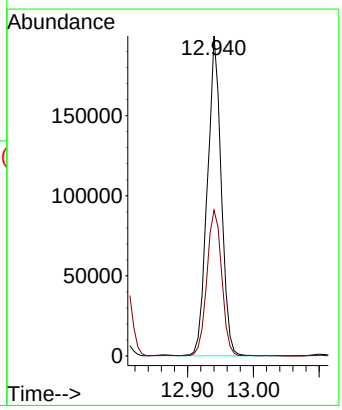


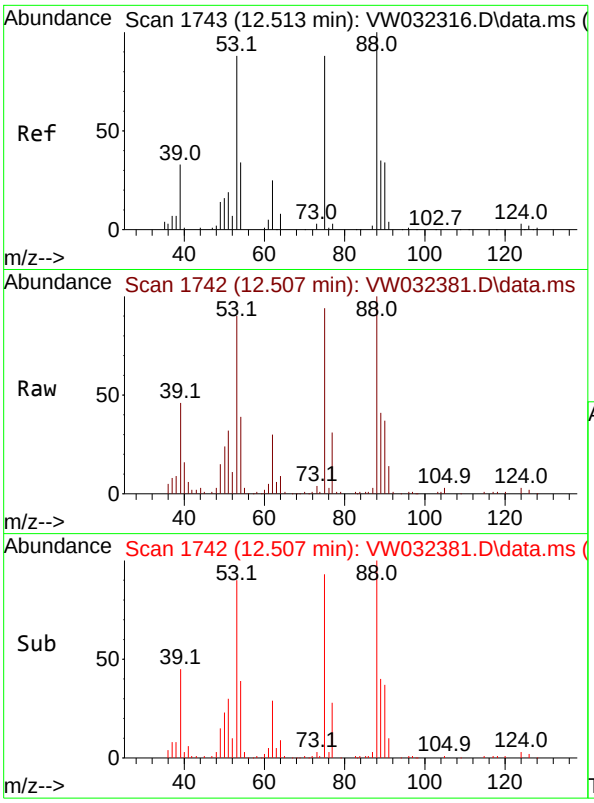


#80
1,3,5-Trimethylbenzene
Concen: 20.623 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:105 Resp: 292510

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.8	74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 22.759 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

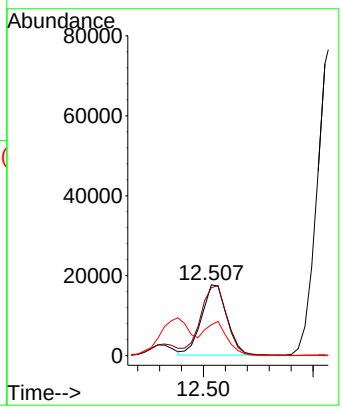
Tgt Ion: 75 Resp: 2834

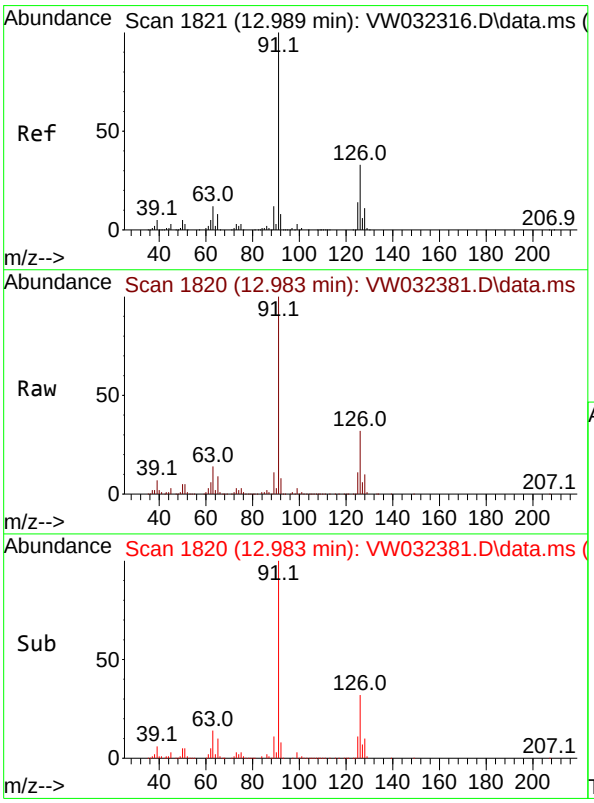
Ion	Ratio	Lower	Upper
75	100		
53	104.8	91.0	136.6
89	42.6	39.4	59.2

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

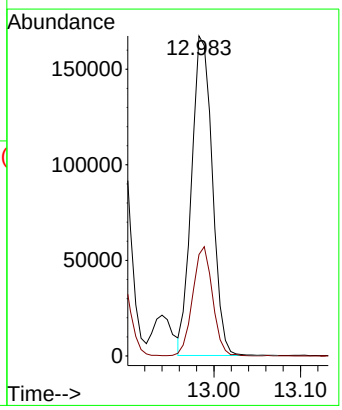


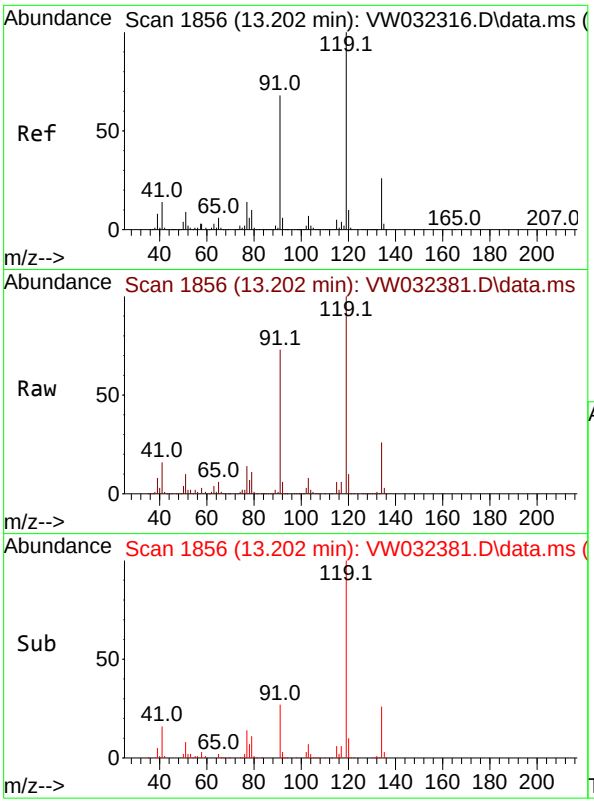


#82
4-Chlorotoluene
Concen: 20.836 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 91 Resp: 277521

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.2

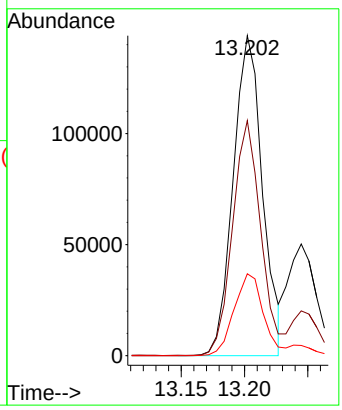




#83
tert-Butylbenzene
Concen: 19.983 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:119 Resp: 23255

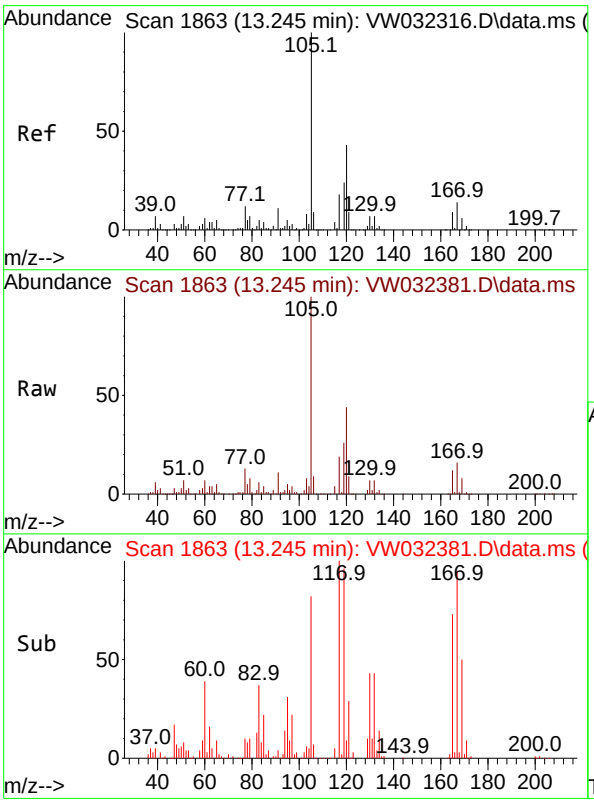
Ion	Ratio	Lower	Upper
119	100		
91	71.7	33.8	101.3
134	25.7	12.5	37.5



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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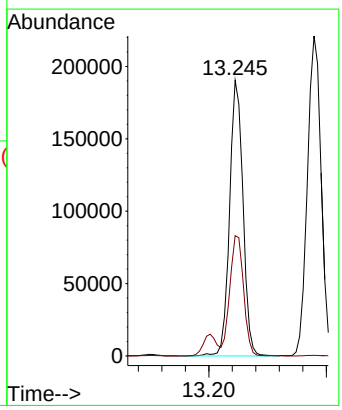
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

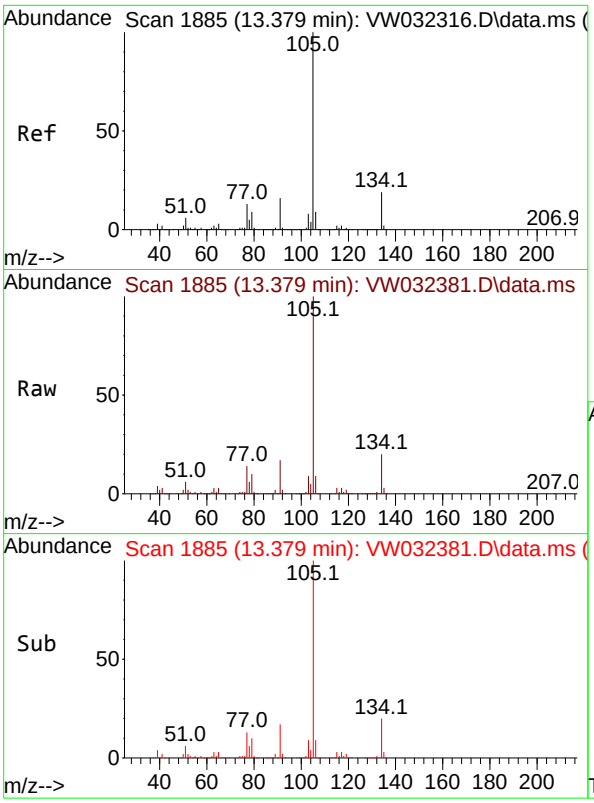


#84
1,2,4-Trimethylbenzene
Concen: 20.959 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:105 Resp: 302270

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.3





#85
sec-Butylbenzene
Concen: 20.163 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

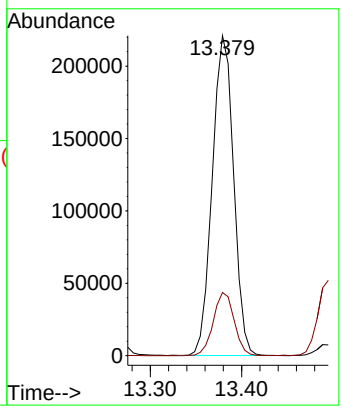
Tgt Ion:105 Resp: 35858

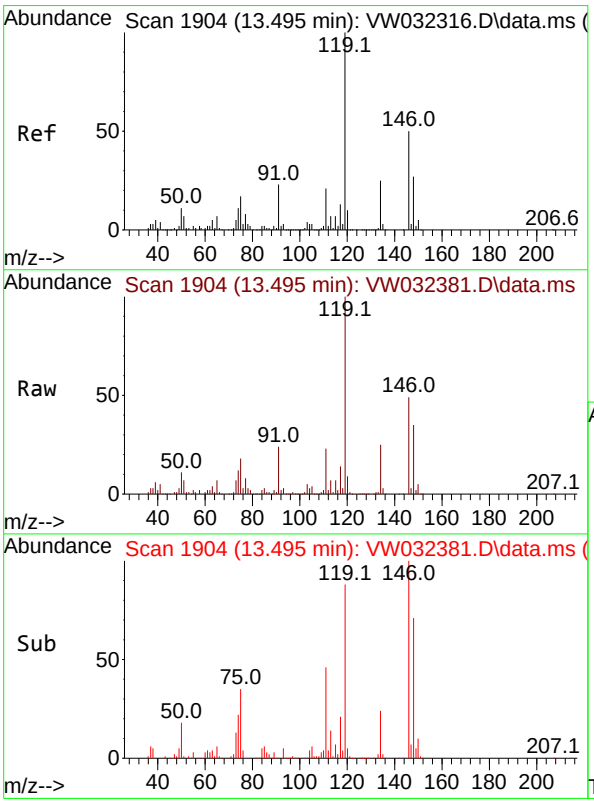
Ion	Ratio	Lower	Upper
105	100		
134	19.4	10.1	30.1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

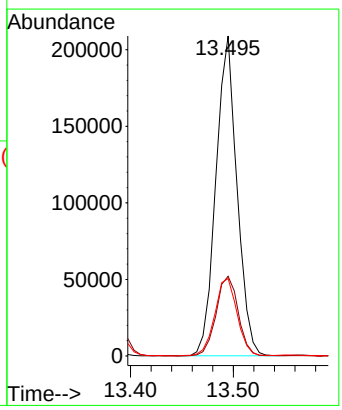


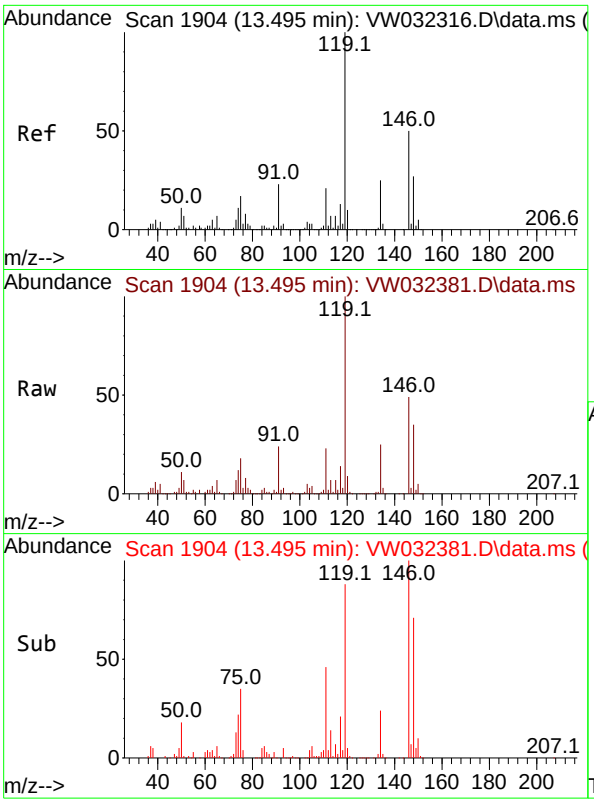


#86
p-Isopropyltoluene
Concen: 20.136 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:119 Resp: 297141

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.6
91	25.5	12.4	37.0





#87
1,3-Dichlorobenzene
Concen: 21.478 ug/l
RT: 13.495 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

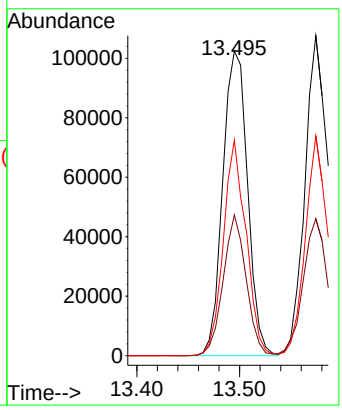
Tgt Ion:146 Resp: 17196

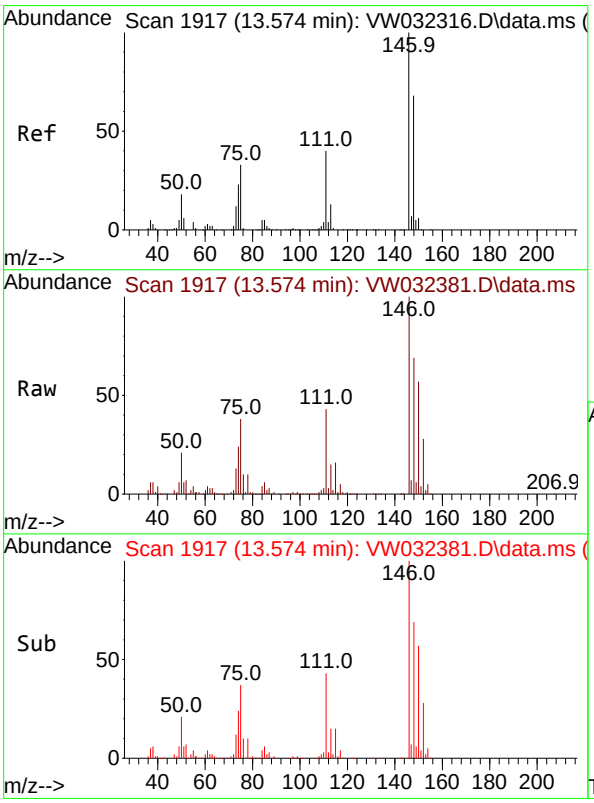
Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.6	61.9
148	64.5	30.6	92.0

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

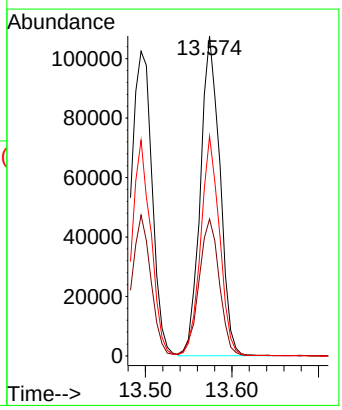


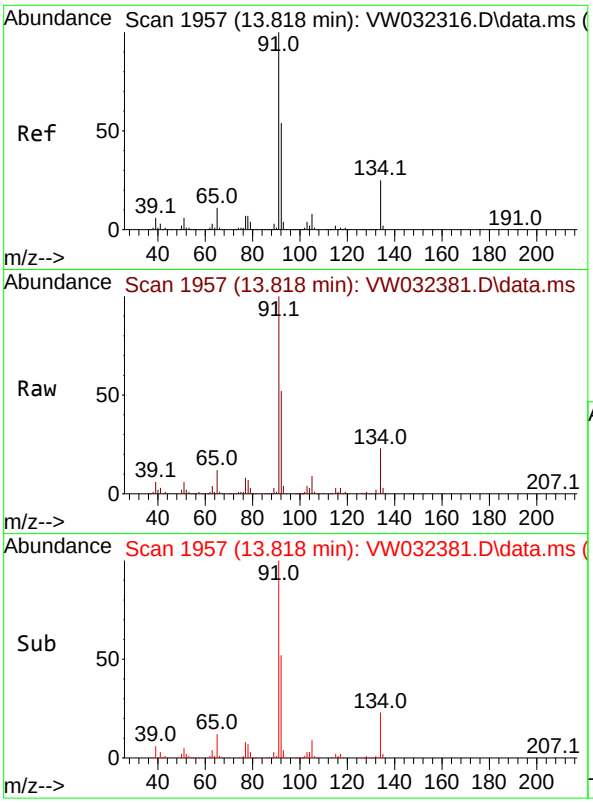


#88
1,4-Dichlorobenzene
Concen: 21.021 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:146 Resp: 168290

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.3	63.7
148	66.3	33.4	100.1





#89
n-Butylbenzene
Concen: 20.234 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

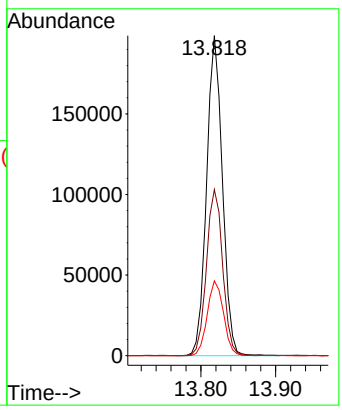
Tgt Ion: 91 Resp: 29152

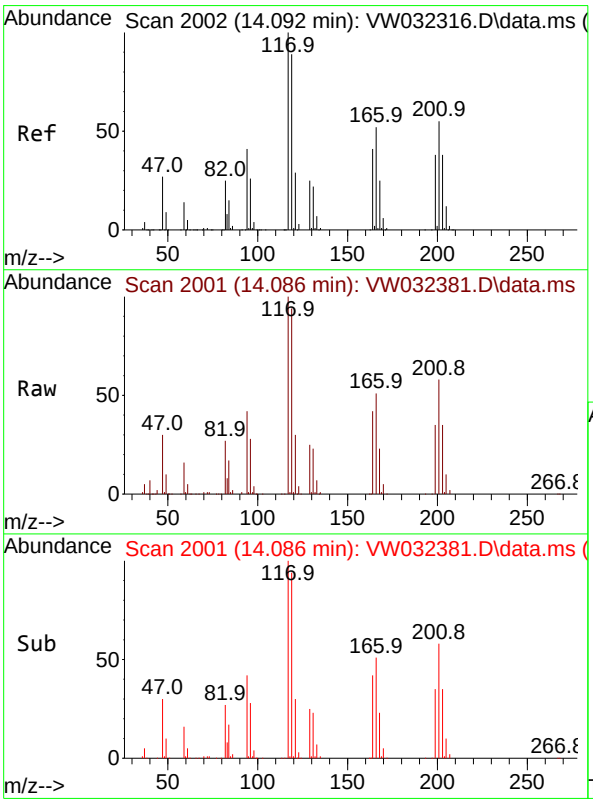
Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	81.0
134	24.1	13.1	39.3

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

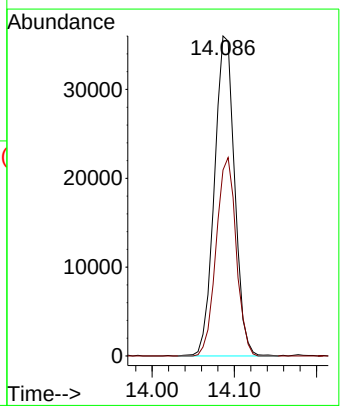


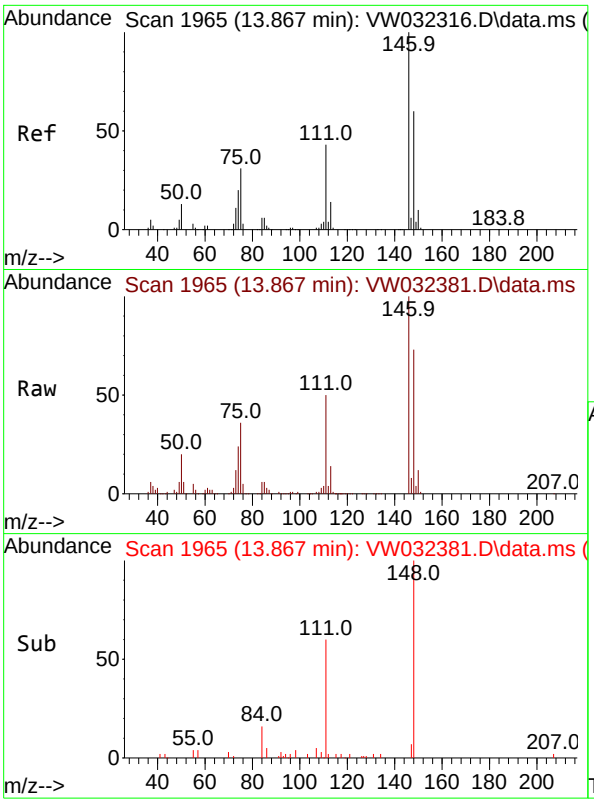


#90
Hexachloroethane
Concen: 23.273 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:117 Resp: 61557

Ion	Ratio	Lower	Upper
117	100		
201	61.3	32.8	98.4

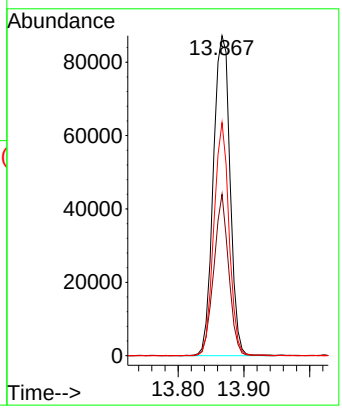




#91
1,2-Dichlorobenzene
Concen: 21.342 ug/l
RT: 13.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:146 Resp: 15446

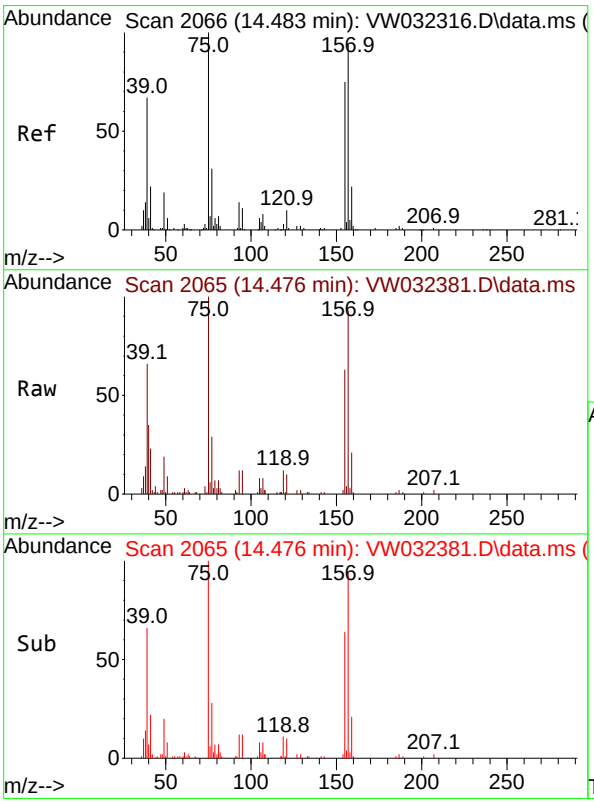
Ion	Ratio	Lower	Upper
146	100		
111	44.9	23.4	70.0
148	66.0	34.1	102.3



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
APPROVED

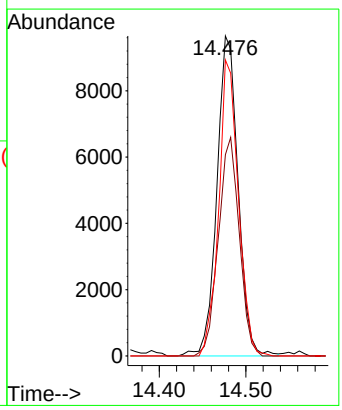
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

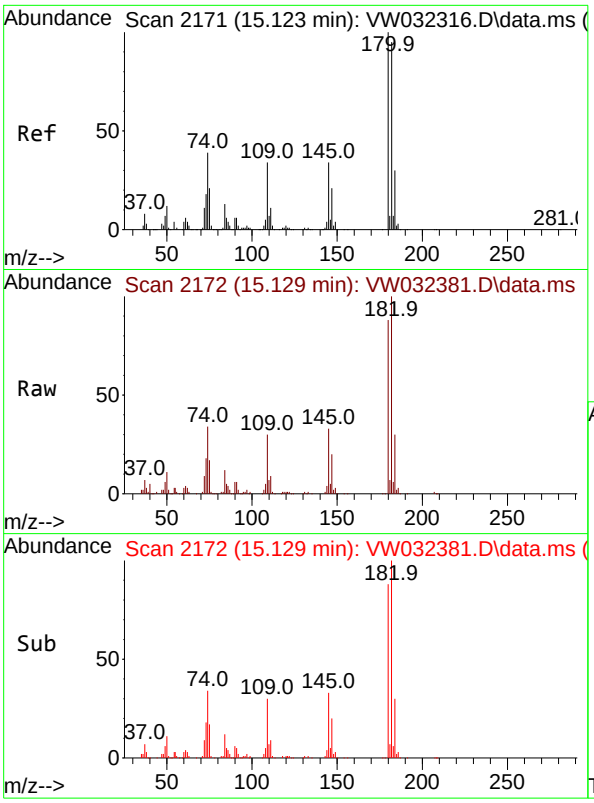


#92
1,2-Dibromo-3-Chloropropane
Concen: 23.030 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion: 75 Resp: 16422

Ion	Ratio	Lower	Upper
75	100		
155	67.4	40.8	122.5
157	85.8	51.8	155.4





#93
1,2,4-Trichlorobenzene
Concen: 20.256 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

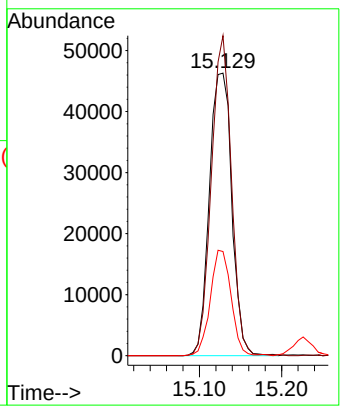
Tgt Ion:180 Resp: 8791

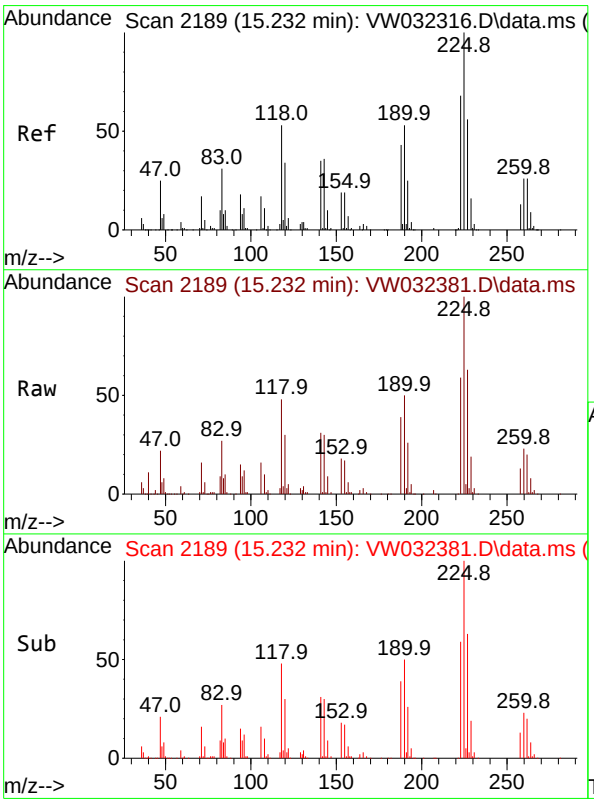
Ion	Ratio	Lower	Upper
180	100		
182	101.2	47.4	142.2
145	34.6	16.4	49.1

Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

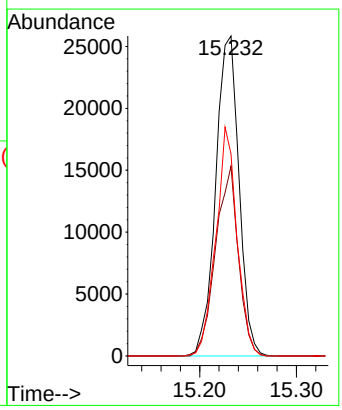


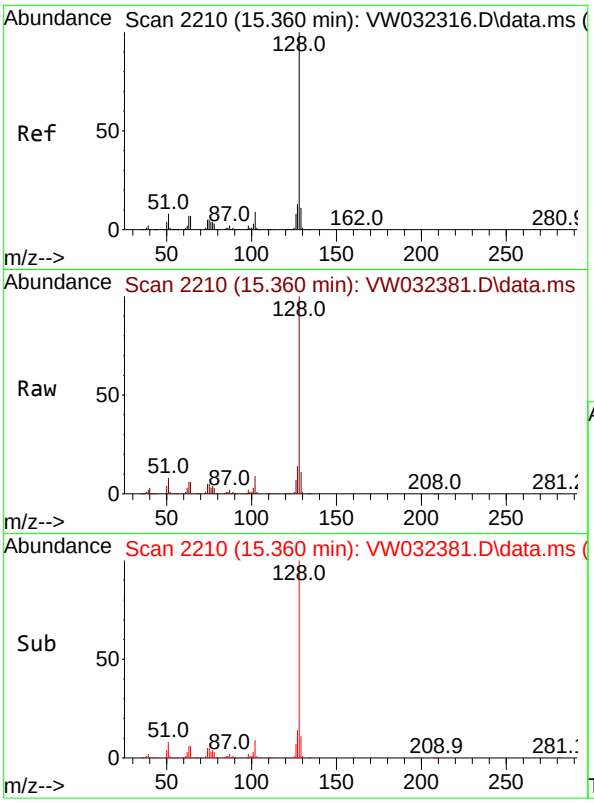


#94
Hexachlorobutadiene
Concen: 21.748 ug/l
RT: 15.232 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:225 Resp: 43154

Ion	Ratio	Lower	Upper
225	100		
223	57.9	29.8	89.3
227	64.9	30.5	91.5

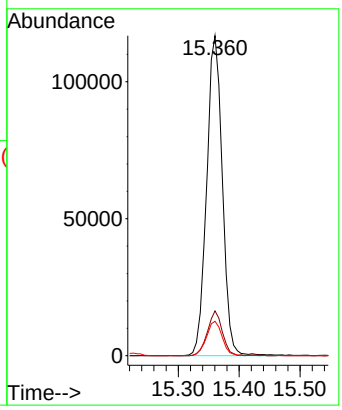




#95
Naphthalene
Concen: 20.040 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:128 Resp: 20886

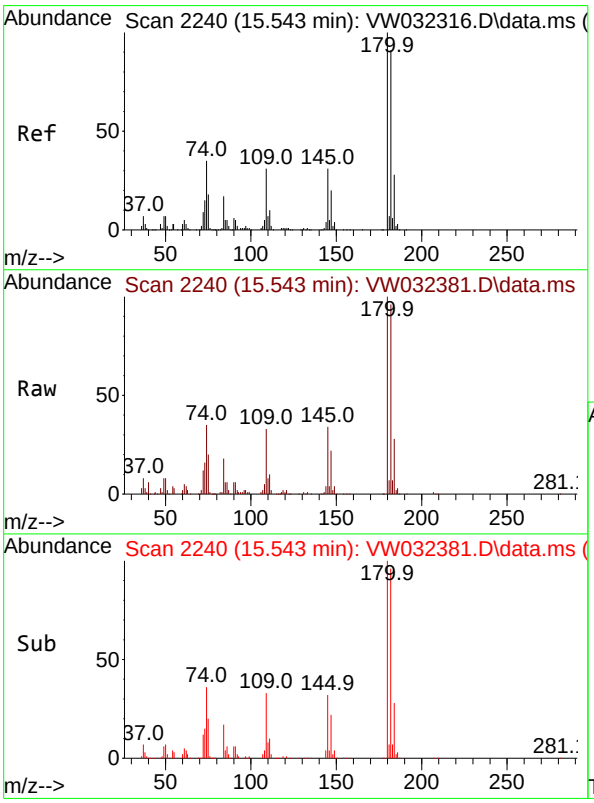
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.8	8.4	12.6



Instrument :
MSVOA_W
ClientSampleId :
VW1020SBSD01

Manual Integrations
APPROVED

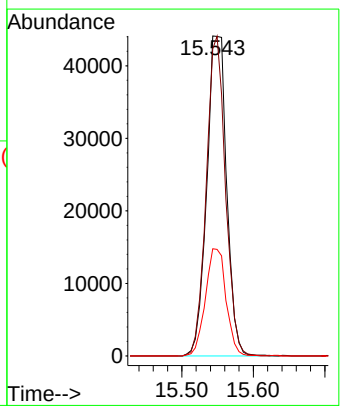
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.929 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.000 min
Lab File: VW032381.D
Acq: 20 Oct 2025 12:03

Tgt Ion:180 Resp: 85615

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.7	143.1
145	34.6	17.2	51.6



Raw Data: **VX048256.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1021WBSD01	SDG No.:	Q3376
Lab Sample ID:	VX1021WBSD01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	18.0		1	0.22	1.00	ug/L	10/21/25 10:33	VX102125
74-87-3	Chloromethane	17.3		1	0.32	1.00	ug/L	10/21/25 10:33	VX102125
75-01-4	Vinyl Chloride	16.9		1	0.26	1.00	ug/L	10/21/25 10:33	VX102125
74-83-9	Bromomethane	19.0		1	1.40	5.00	ug/L	10/21/25 10:33	VX102125
75-00-3	Chloroethane	19.0		1	0.47	1.00	ug/L	10/21/25 10:33	VX102125
75-69-4	Trichlorofluoromethane	17.9		1	0.33	1.00	ug/L	10/21/25 10:33	VX102125
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		1	0.25	1.00	ug/L	10/21/25 10:33	VX102125
75-35-4	1,1-Dichloroethene	17.9		1	0.23	1.00	ug/L	10/21/25 10:33	VX102125
67-64-1	Acetone	81.6		1	1.50	5.00	ug/L	10/21/25 10:33	VX102125
75-15-0	Carbon Disulfide	16.9		1	0.21	1.00	ug/L	10/21/25 10:33	VX102125
1634-04-4	Methyl tert-butyl Ether	18.0		1	0.16	1.00	ug/L	10/21/25 10:33	VX102125
79-20-9	Methyl Acetate	16.9		1	0.27	1.00	ug/L	10/21/25 10:33	VX102125
75-09-2	Methylene Chloride	18.5		1	0.28	1.00	ug/L	10/21/25 10:33	VX102125
156-60-5	trans-1,2-Dichloroethene	18.8		1	0.23	1.00	ug/L	10/21/25 10:33	VX102125
75-34-3	1,1-Dichloroethane	18.8		1	0.23	1.00	ug/L	10/21/25 10:33	VX102125
110-82-7	Cyclohexane	18.4		1	1.50	5.00	ug/L	10/21/25 10:33	VX102125
78-93-3	2-Butanone	85.7		1	0.98	5.00	ug/L	10/21/25 10:33	VX102125
56-23-5	Carbon Tetrachloride	17.2		1	0.25	1.00	ug/L	10/21/25 10:33	VX102125
156-59-2	cis-1,2-Dichloroethene	19.1		1	0.19	1.00	ug/L	10/21/25 10:33	VX102125
74-97-5	Bromochloromethane	21.3		1	0.22	1.00	ug/L	10/21/25 10:33	VX102125
67-66-3	Chloroform	19.0		1	0.25	1.00	ug/L	10/21/25 10:33	VX102125
71-55-6	1,1,1-Trichloroethane	18.3		1	0.20	1.00	ug/L	10/21/25 10:33	VX102125
108-87-2	Methylcyclohexane	18.2		1	0.16	1.00	ug/L	10/21/25 10:33	VX102125
71-43-2	Benzene	18.8		1	0.15	1.00	ug/L	10/21/25 10:33	VX102125
107-06-2	1,2-Dichloroethane	18.5		1	0.22	1.00	ug/L	10/21/25 10:33	VX102125
79-01-6	Trichloroethene	18.3		1	0.090	1.00	ug/L	10/21/25 10:33	VX102125
78-87-5	1,2-Dichloropropane	19.8		1	0.20	1.00	ug/L	10/21/25 10:33	VX102125
75-27-4	Bromodichloromethane	18.8		1	0.22	1.00	ug/L	10/21/25 10:33	VX102125
108-10-1	4-Methyl-2-Pentanone	89.0		1	0.68	5.00	ug/L	10/21/25 10:33	VX102125
108-88-3	Toluene	18.9		1	0.14	1.00	ug/L	10/21/25 10:33	VX102125
10061-02-6	t-1,3-Dichloropropene	18.5		1	0.17	1.00	ug/L	10/21/25 10:33	VX102125
10061-01-5	cis-1,3-Dichloropropene	18.5		1	0.16	1.00	ug/L	10/21/25 10:33	VX102125
79-00-5	1,1,2-Trichloroethane	19.3		1	0.21	1.00	ug/L	10/21/25 10:33	VX102125
591-78-6	2-Hexanone	87.8		1	0.89	5.00	ug/L	10/21/25 10:33	VX102125
124-48-1	Dibromochloromethane	18.3		1	0.18	1.00	ug/L	10/21/25 10:33	VX102125
106-93-4	1,2-Dibromoethane	18.6		1	0.15	1.00	ug/L	10/21/25 10:33	VX102125
127-18-4	Tetrachloroethene	17.5		1	0.23	1.00	ug/L	10/21/25 10:33	VX102125
108-90-7	Chlorobenzene	18.9		1	0.12	1.00	ug/L	10/21/25 10:33	VX102125
100-41-4	Ethyl Benzene	18.3		1	0.13	1.00	ug/L	10/21/25 10:33	VX102125
179601-23-1	m/p-Xylenes	37.5		1	0.24	2.00	ug/L	10/21/25 10:33	VX102125
95-47-6	o-Xylene	18.5		1	0.12	1.00	ug/L	10/21/25 10:33	VX102125
100-42-5	Styrene	19.2		1	0.15	1.00	ug/L	10/21/25 10:33	VX102125
75-25-2	Bromoform	17.7		1	0.19	1.00	ug/L	10/21/25 10:33	VX102125

Raw Data: **VX048256.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1021WBSD01	SDG No.:	Q3376
Lab Sample ID:	VX1021WBSD01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	18.5		1	0.12	1.00	ug/L	10/21/25 10:33	VX102125
79-34-5	1,1,2,2-Tetrachloroethane	18.4		1	0.26	1.00	ug/L	10/21/25 10:33	VX102125
541-73-1	1,3-Dichlorobenzene	18.2		1	0.16	1.00	ug/L	10/21/25 10:33	VX102125
106-46-7	1,4-Dichlorobenzene	18.2		1	0.19	1.00	ug/L	10/21/25 10:33	VX102125
95-50-1	1,2-Dichlorobenzene	18.6		1	0.16	1.00	ug/L	10/21/25 10:33	VX102125
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		1	0.53	1.00	ug/L	10/21/25 10:33	VX102125
120-82-1	1,2,4-Trichlorobenzene	16.8		1	0.20	1.00	ug/L	10/21/25 10:33	VX102125
87-61-6	1,2,3-Trichlorobenzene	17.3		1	0.20	1.00	ug/L	10/21/25 10:33	VX102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.5			74 - 125	93%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.0			75 - 124	96%	SPK: 50		
2037-26-5	Toluene-d8	47.9			86 - 113	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.3			77 - 121	95%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	138000							
540-36-3	1,4-Difluorobenzene	224000							
3114-55-4	Chlorobenzene-d5	203000							
3855-82-1	1,4-Dichlorobenzene-d4	101000							

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

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

Sample Results: **VX048256.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048256.D
Acq On : 21 Oct 2025 10:33
Operator : JC/MD
Sample : VX1021WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 04:24:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	137604	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	224103	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	203364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	101316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.933	65	89758	46.523	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.040%			
35) Dibromofluoromethane	5.367	113	73394	47.972	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.940%			
50) Toluene-d8	8.628	98	256689	47.867	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.740%			
62) 4-Bromofluorobenzene	11.061	95	96462	47.283	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	25428	17.976	ug/l	97
3) Chloromethane	1.300	50	22848	17.304	ug/l	97
4) Vinyl Chloride	1.379	62	20627	16.870	ug/l	94
5) Bromomethane	1.623	94	15738	18.966	ug/l	96
6) Chloroethane	1.696	64	13651	19.000	ug/l	92
7) Trichlorofluoromethane	1.898	101	42048	17.931	ug/l	97
8) Diethyl Ether	2.135	74	12151	18.416	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	26272	17.693	ug/l	94
10) Methyl Iodide	2.452	142	33915	18.168	ug/l	99
11) Tert butyl alcohol	2.934	59	14617	76.307	ug/l	96
12) 1,1-Dichloroethene	2.324	96	25810	17.866	ug/l	96
13) Acrolein	2.233	56	19717	100.924	ug/l	99
14) Allyl chloride	2.666	41	43150	17.990	ug/l	97
15) Acrylonitrile	3.050	53	60796	88.017	ug/l	99
16) Acetone	2.373	43	53983	81.562	ug/l	98
17) Carbon Disulfide	2.513	76	76828	16.874	ug/l	100
18) Methyl Acetate	2.696	43	23399	16.928	ug/l	91
19) Methyl tert-butyl Ether	3.105	73	88912	18.041	ug/l	98
20) Methylene Chloride	2.788	84	29832	18.498	ug/l	89
21) trans-1,2-Dichloroethene	3.086	96	29850	18.810	ug/l	87
22) Diisopropyl ether	3.745	45	93736	19.594	ug/l	88
23) Vinyl Acetate	3.708	43	360854	94.430	ug/l	96
24) 1,1-Dichloroethane	3.605	63	54330	18.782	ug/l	97
25) 2-Butanone	4.537	43	71780	85.682	ug/l	94
26) 2,2-Dichloropropane	4.464	77	46208	17.698	ug/l	100
27) cis-1,2-Dichloroethene	4.476	96	35291	19.056	ug/l	98
28) Bromochloromethane	4.879	49	25497	21.258	ug/l	85
29) Tetrahydrofuran	4.982	42	43202	86.106	ug/l	93
30) Chloroform	5.074	83	58812	19.030	ug/l	100
31) Cyclohexane	5.452	56	44037	18.388	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	52248	18.344	ug/l	97
36) 1,1-Dichloropropene	5.671	75	38187	17.561	ug/l	99
37) Ethyl Acetate	4.696	43	32528	18.047	ug/l	99
38) Carbon Tetrachloride	5.659	117	46209	17.224	ug/l	99
39) Methylcyclohexane	7.360	83	46866	18.249	ug/l	95
40) Benzene	6.025	78	118391	18.752	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048256.D
Acq On : 21 Oct 2025 10:33
Operator : JC/MD
Sample : VX1021WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 04:24:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.903	41	16538	17.472	ug/l		97
42) 1,2-Dichloroethane	6.068	62	43164	18.528	ug/l		100
43) Isopropyl Acetate	6.318	43	52017	17.569	ug/l		96
44) Trichloroethene	7.110	130	30449	18.265	ug/l		98
45) 1,2-Dichloropropane	7.409	63	29710	19.793	ug/l		99
46) Dibromomethane	7.561	93	21708	18.563	ug/l		94
47) Bromodichloromethane	7.805	83	47421	18.781	ug/l		95
48) Methyl methacrylate	7.677	41	26520	17.751	ug/l		95
49) 1,4-Dioxane	7.640	88	6381	323.294	ug/l	#	86
51) 4-Methyl-2-Pentanone	8.555	43	151895	88.982	ug/l		96
52) Toluene	8.701	92	75829	18.906	ug/l		100
53) t-1,3-Dichloropropene	8.963	75	45008	18.497	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	48675	18.541	ug/l		95
55) 1,1,2-Trichloroethane	9.134	97	28743	19.271	ug/l		97
56) Ethyl methacrylate	9.098	69	39428	18.073	ug/l		94
57) 1,3-Dichloropropane	9.293	76	48237	18.933	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	97758	84.467	ug/l		97
59) 2-Hexanone	9.415	43	104512	87.804	ug/l		98
60) Dibromochloromethane	9.500	129	36743	18.328	ug/l		100
61) 1,2-Dibromoethane	9.591	107	29504	18.555	ug/l		99
64) Tetrachloroethene	9.256	164	26555	17.492	ug/l		97
65) Chlorobenzene	10.061	112	86348	18.875	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	30678	18.258	ug/l		99
67) Ethyl Benzene	10.177	91	142694	18.320	ug/l		97
68) m/p-Xylenes	10.286	106	108512	37.497	ug/l		100
69) o-Xylene	10.622	106	51598	18.468	ug/l		98
70) Styrene	10.640	104	91270	19.185	ug/l		98
71) Bromoform	10.780	173	23785	17.711	ug/l	#	100
73) Isopropylbenzene	10.945	105	136638	18.464	ug/l		100
74) N-amyl acetate	10.829	43	45310	17.261	ug/l		95
75) 1,1,2,2-Tetrachloroethane	11.195	83	37185	18.401	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	32912m	20.032	ug/l		
77) Bromobenzene	11.183	156	34541	18.615	ug/l		94
78) n-propylbenzene	11.286	91	160675	18.753	ug/l		98
79) 2-Chlorotoluene	11.347	91	97491	18.767	ug/l		98
80) 1,3,5-Trimethylbenzene	11.432	105	114521	18.700	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	11571	17.134	ug/l		99
82) 4-Chlorotoluene	11.439	91	115393	18.713	ug/l		97
83) tert-Butylbenzene	11.695	119	117357	18.651	ug/l		95
84) 1,2,4-Trimethylbenzene	11.731	105	114561	18.745	ug/l		99
85) sec-Butylbenzene	11.871	105	139017	18.364	ug/l		100
86) p-Isopropyltoluene	11.993	119	118663	18.135	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	63730	18.219	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	65963	18.203	ug/l		99
89) n-Butylbenzene	12.316	91	106210	17.834	ug/l		98
90) Hexachloroethane	12.518	117	22528	17.435	ug/l		96
91) 1,2-Dichlorobenzene	12.316	146	61124	18.612	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	6932	16.899	ug/l		97
93) 1,2,4-Trichlorobenzene	13.566	180	37218	16.758	ug/l		98
94) Hexachlorobutadiene	13.706	225	14700	17.706	ug/l		98
95) Naphthalene	13.755	128	100059	17.005	ug/l		99
96) 1,2,3-Trichlorobenzene	13.944	180	35212	17.277	ug/l		97

Sample Results: **VX048256.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
Data File : VX048256.D
Acq On : 21 Oct 2025 10:33
Operator : JC/MD
Sample : VX1021WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 04:24:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

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

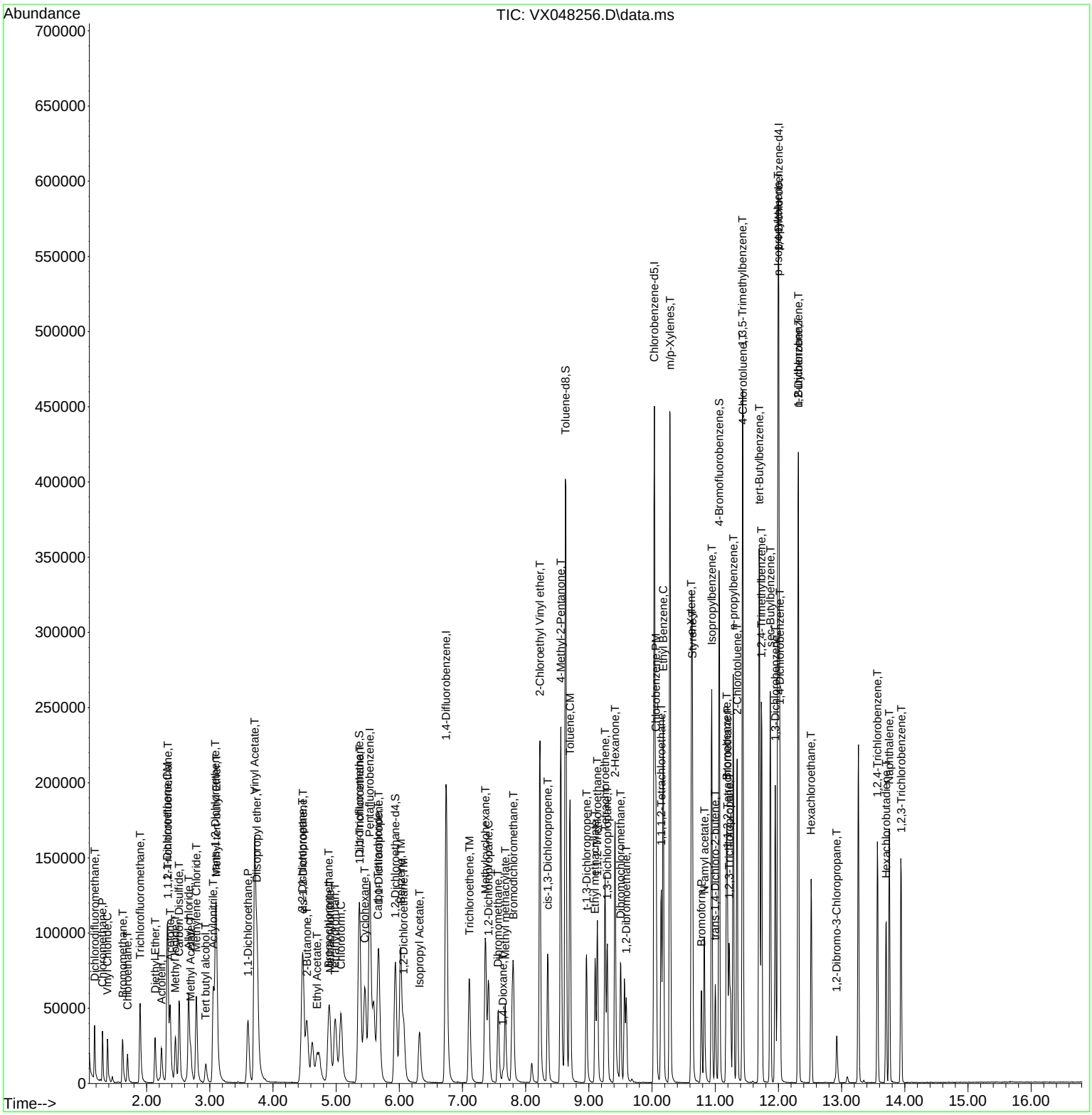
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Acq On : 21 Oct 2025 10:33
Operator : JC/MD
Sample : VX1021WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

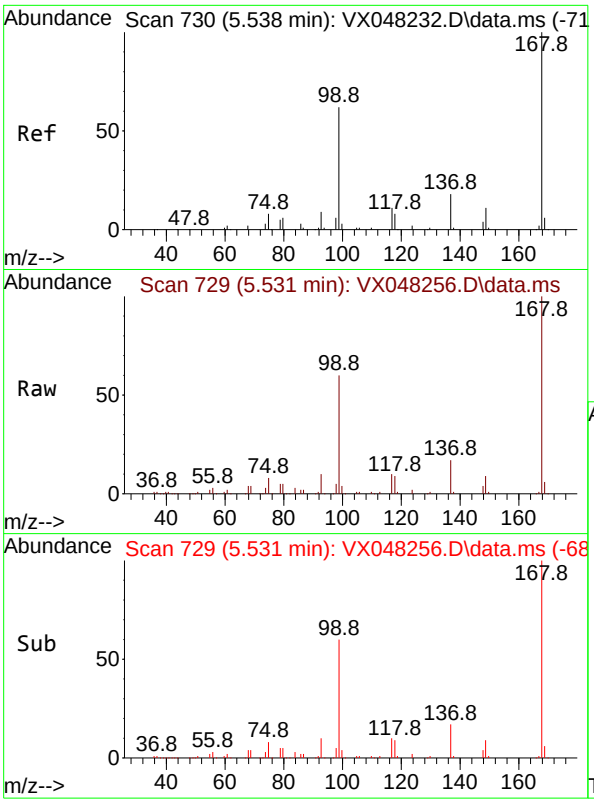
Quant Time: Oct 24 04:24:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
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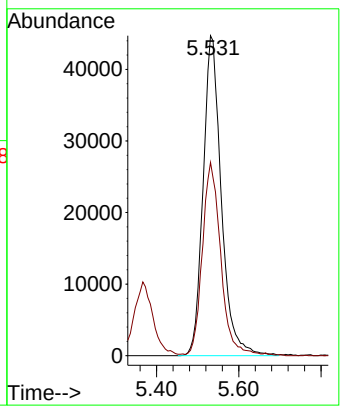




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:168 Resp: 13760

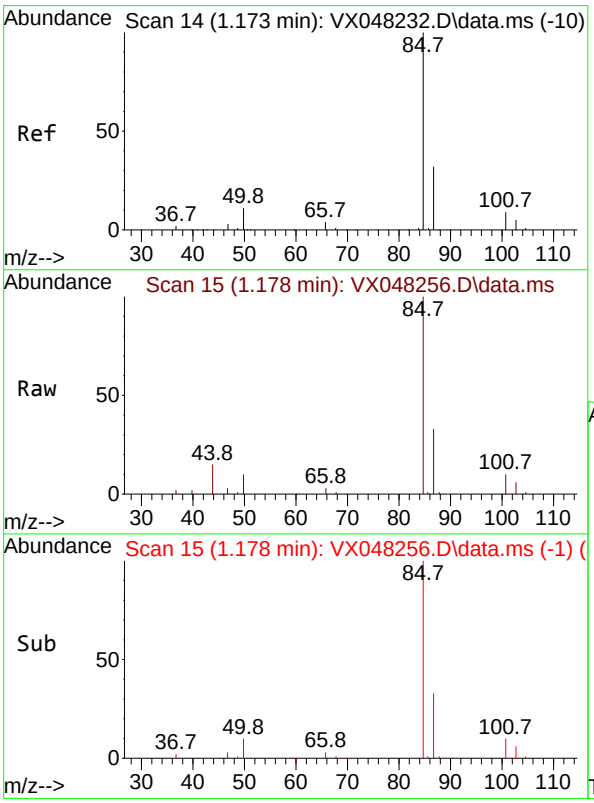
Ion	Ratio	Lower	Upper
168	100		
99	60.1	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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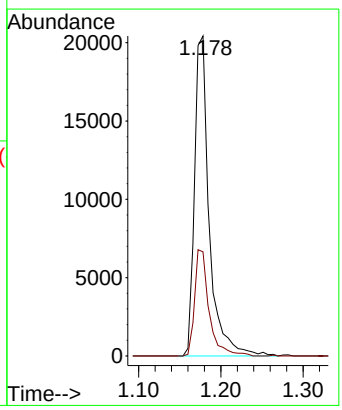
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

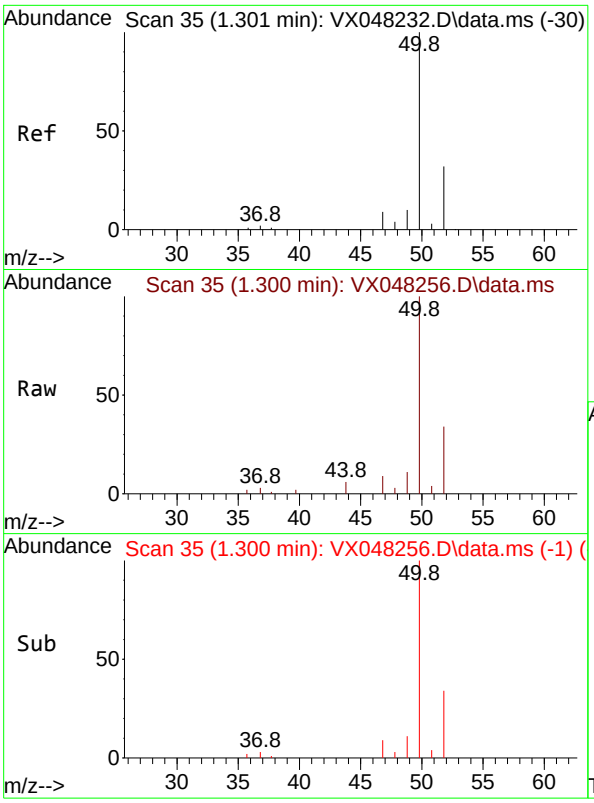


#2
Dichlorodifluoromethane
Concen: 17.976 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 85 Resp: 25428

Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.3	45.9

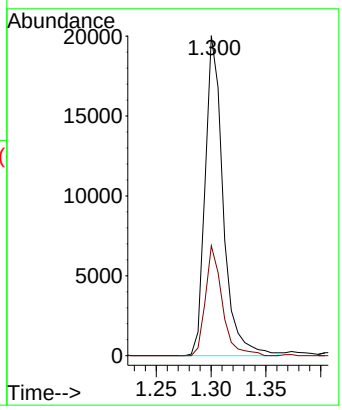




#3
Chloromethane
Concen: 17.304 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 50 Resp: 2284

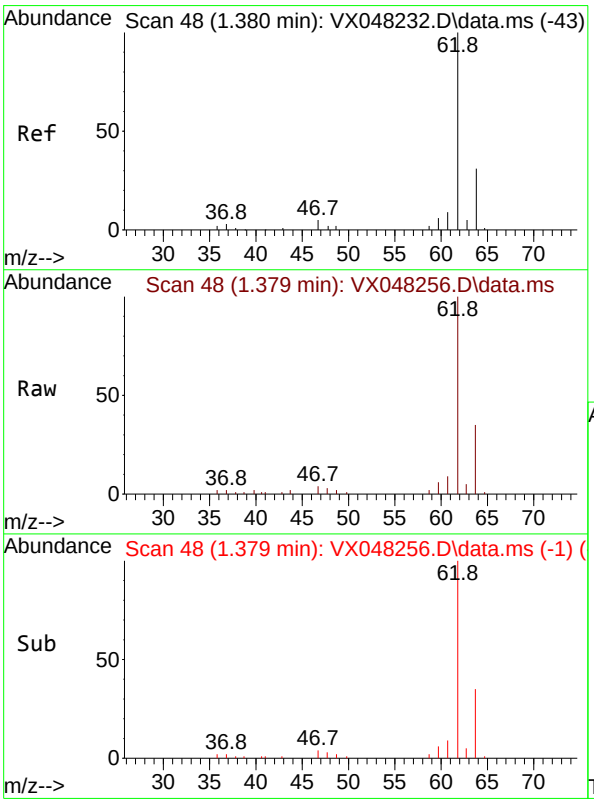
Ion	Ratio	Lower	Upper
50	100		
52	34.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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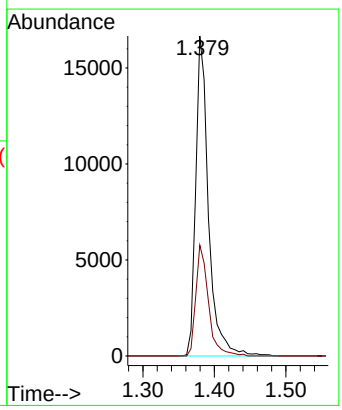
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

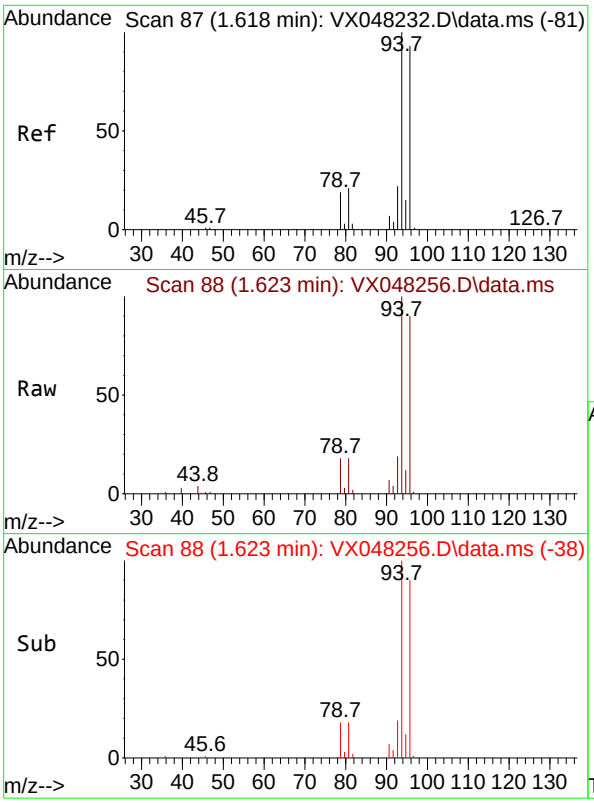


#4
Vinyl Chloride
Concen: 16.870 ug/l
RT: 1.379 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 62 Resp: 20627

Ion	Ratio	Lower	Upper
62	100		
64	34.7	25.1	37.7





#5
Bromomethane
Concen: 18.966 ug/l
RT: 1.623 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

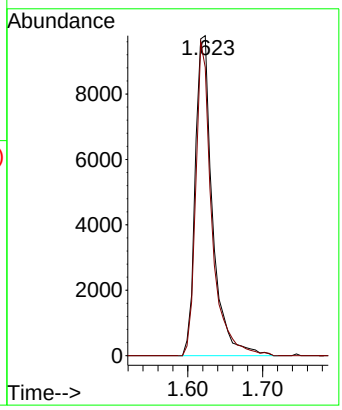
Tgt Ion: 94 Resp: 1573

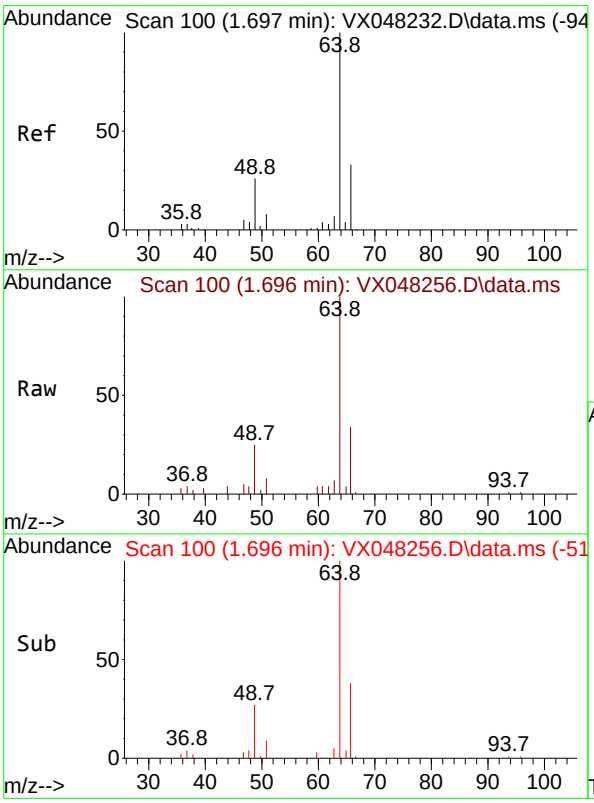
Ion	Ratio	Lower	Upper
94	100		
96	91.5	76.0	114.0

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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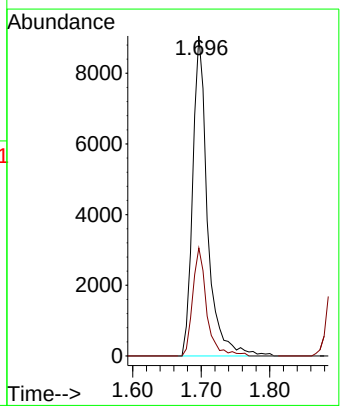


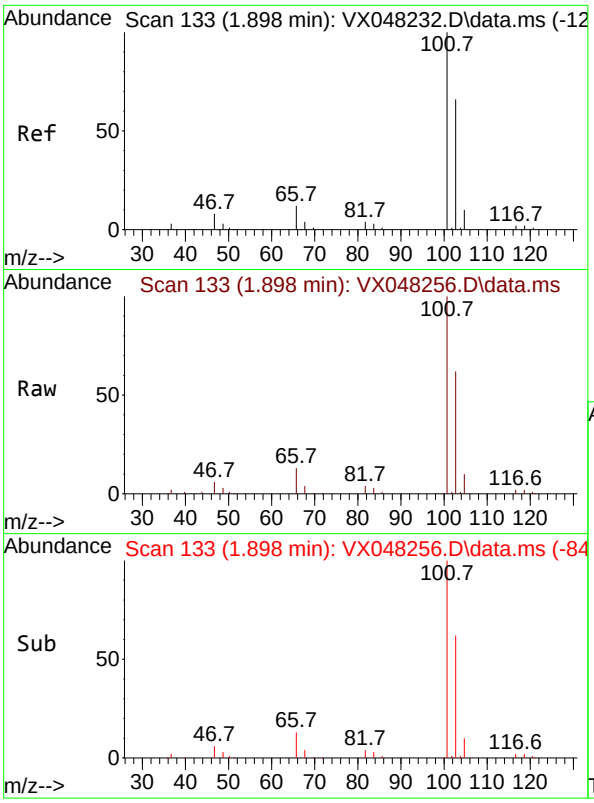


#6
Chloroethane
Concen: 19.000 ug/l
RT: 1.696 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 64 Resp: 13651

Ion	Ratio	Lower	Upper
64	100		
66	34.4	23.9	35.9

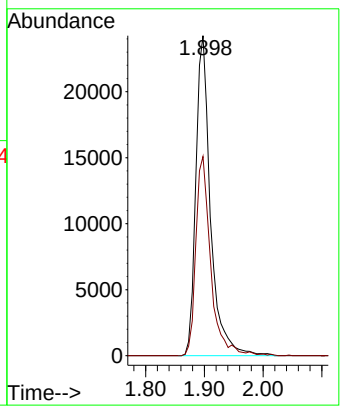




#7
Trichlorofluoromethane
Concen: 17.931 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:101 Resp: 4204

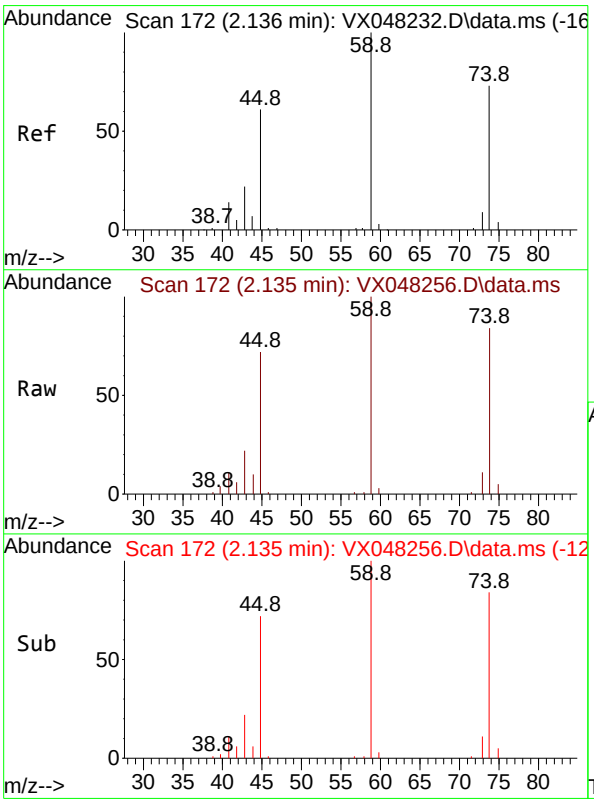
Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.6	77.4



Instrument :
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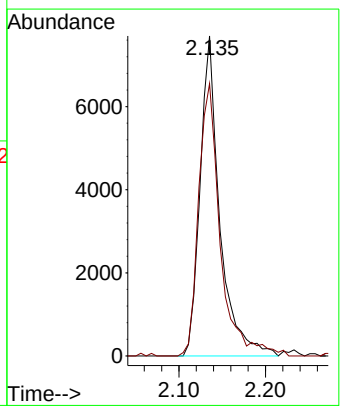
Reviewed By :John Carlone 10/24/2025
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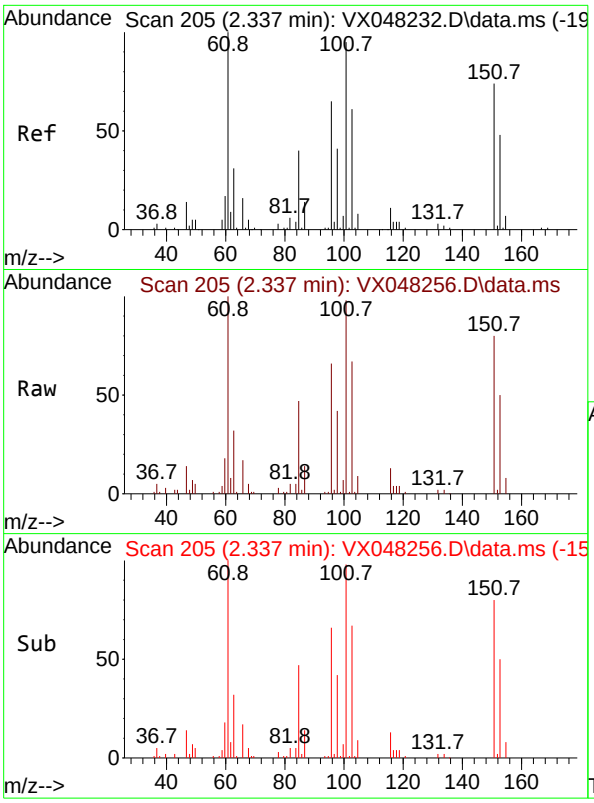


#8
Diethyl Ether
Concen: 18.416 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 74 Resp: 12151

Ion	Ratio	Lower	Upper
74	100		
45	93.4	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.693 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

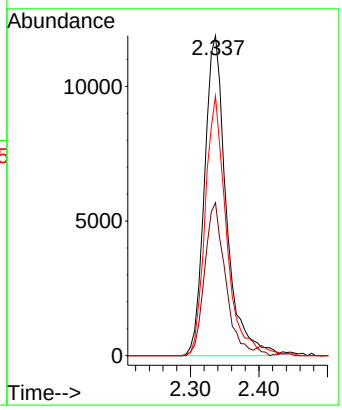
Tgt Ion:101 Resp: 2627

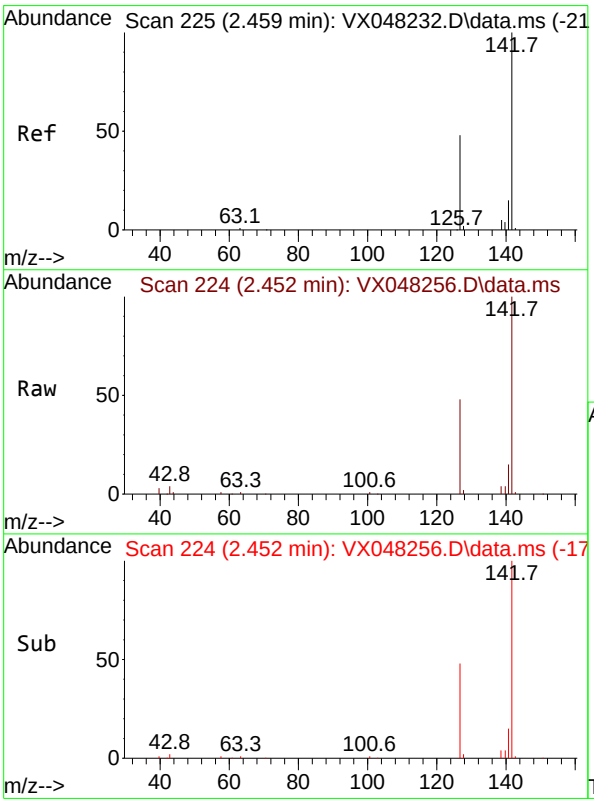
Ion	Ratio	Lower	Upper
101	100		
85	46.4	35.6	53.4
151	79.7	58.0	87.0

Instrument :
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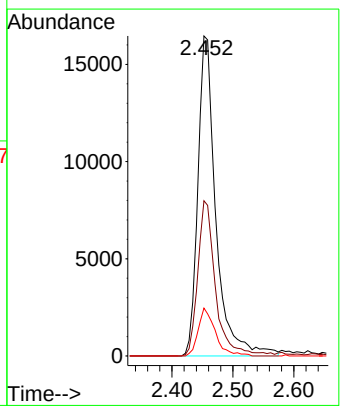


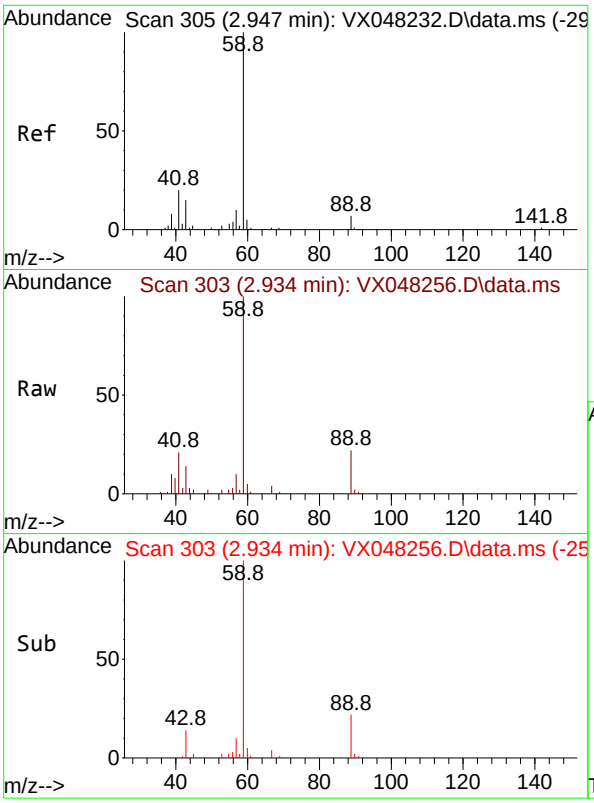


#10
Methyl Iodide
Concen: 18.168 ug/l
RT: 2.452 min Scan# 224
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:142 Resp: 33915

Ion	Ratio	Lower	Upper
142	100		
127	47.7	38.5	57.7
141	14.2	11.6	17.4





#11
Tert butyl alcohol
Concen: 76.307 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

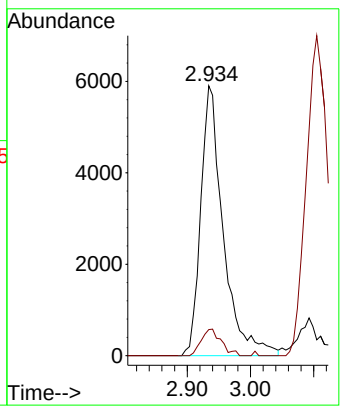
Tgt Ion: 59 Resp: 1461

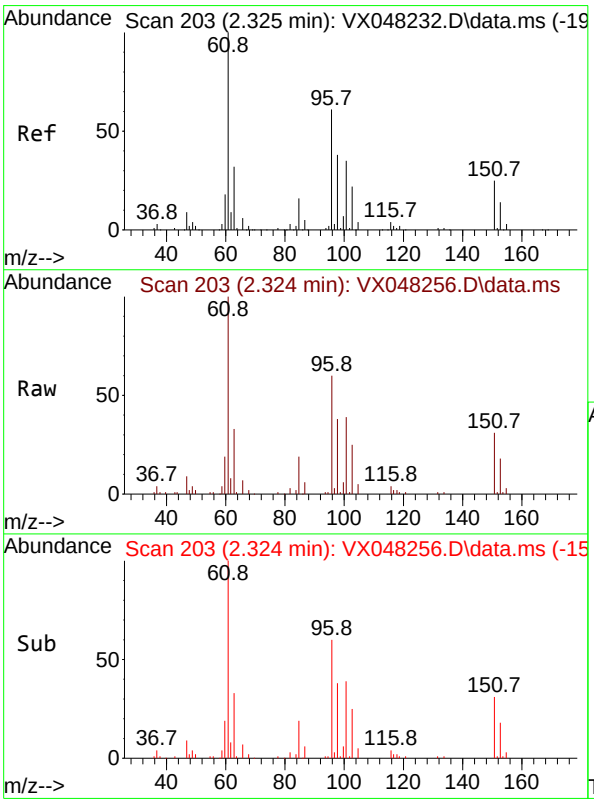
Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.2	12.4

Instrument :
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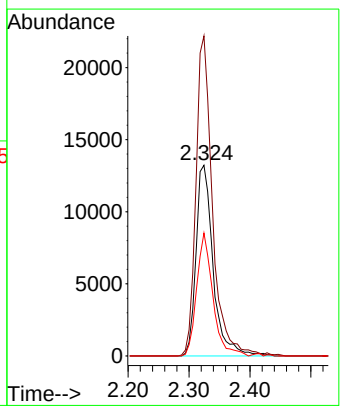


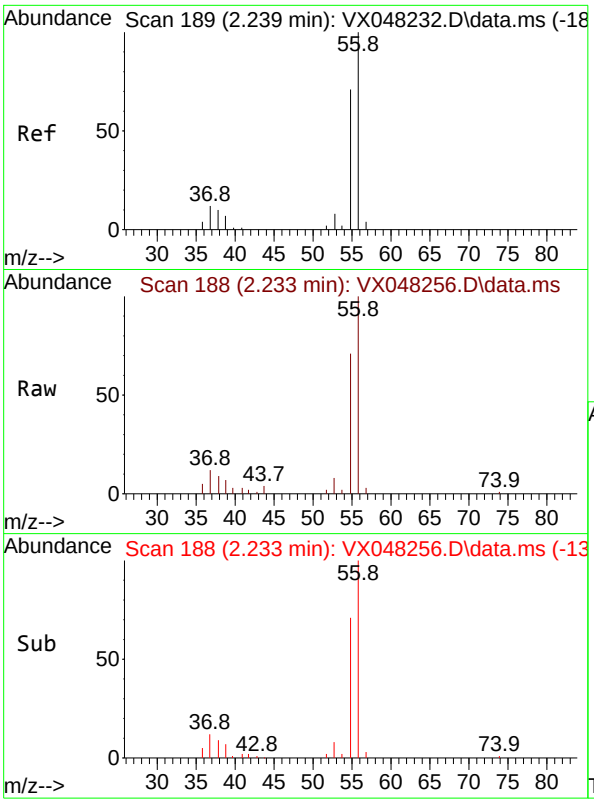


#12
1,1-Dichloroethene
Concen: 17.866 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 96 Resp: 25810

Ion	Ratio	Lower	Upper
96	100		
61	167.8	139.0	208.6
98	64.4	52.4	78.6

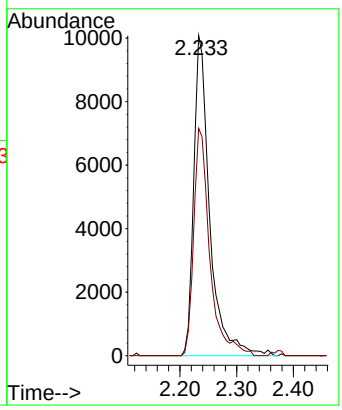




#13
Acrolein
Concen: 100.924 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 56 Resp: 1971

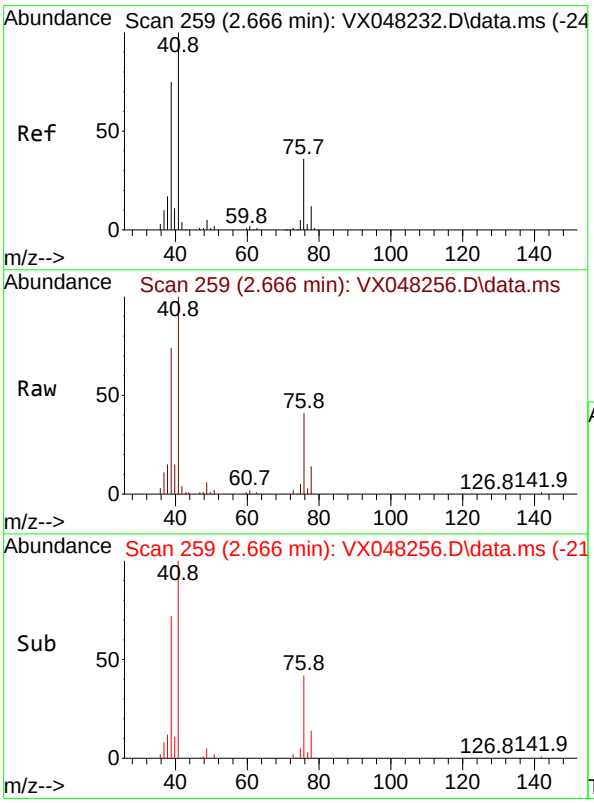
Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.1	84.1



Instrument :
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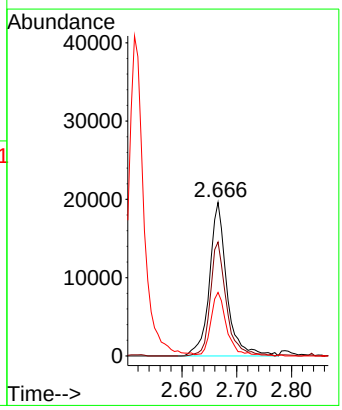
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

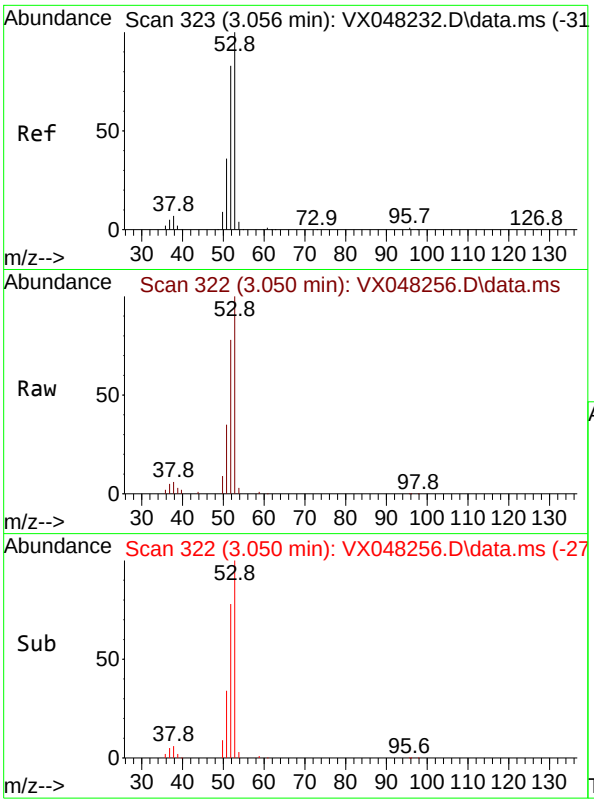


#14
Allyl chloride
Concen: 17.990 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 41 Resp: 43150

Ion	Ratio	Lower	Upper
41	100		
39	68.5	56.0	84.0
76	38.0	27.5	41.3





#15
Acrylonitrile
Concen: 88.017 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

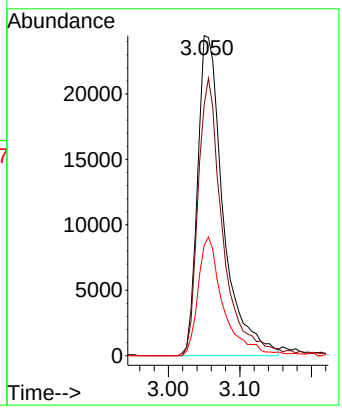
Tgt Ion: 53 Resp: 6079

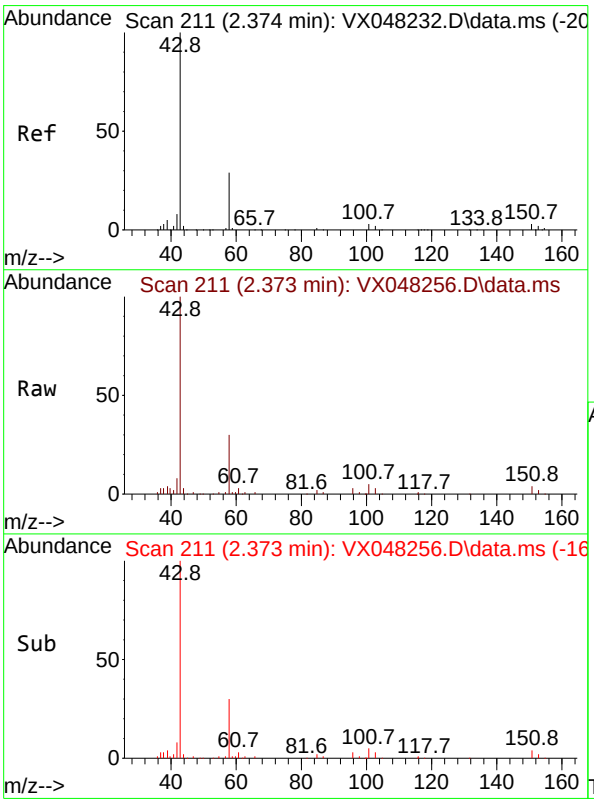
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.1	99.1
51	36.9	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

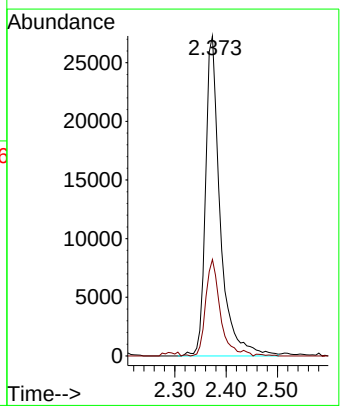


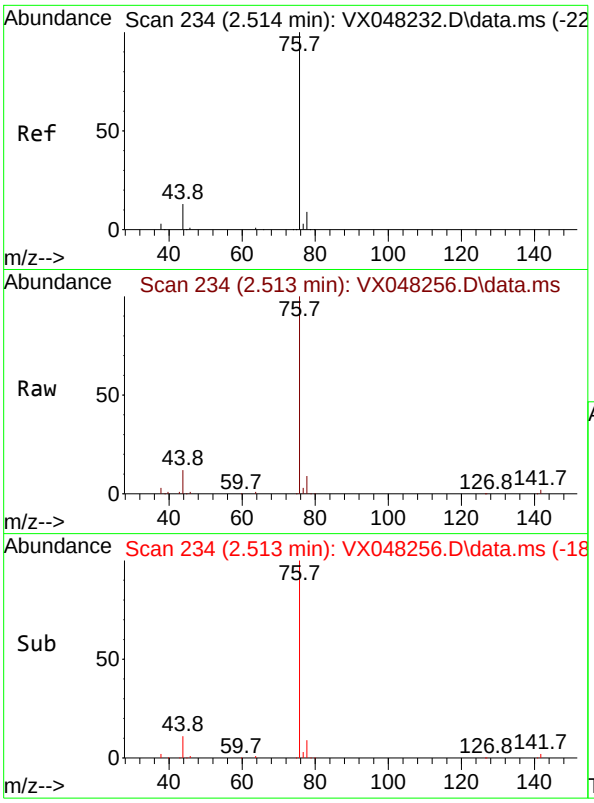


#16
Acetone
Concen: 81.562 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 43 Resp: 53983

Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.4	35.2

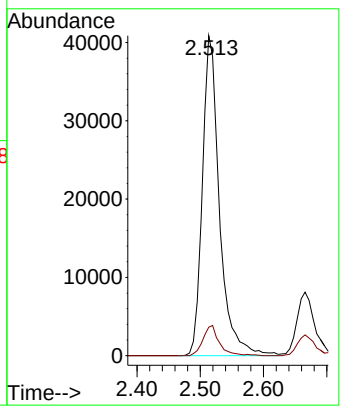




#17
Carbon Disulfide
Concen: 16.874 ug/l
RT: 2.513 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 76 Resp: 7682

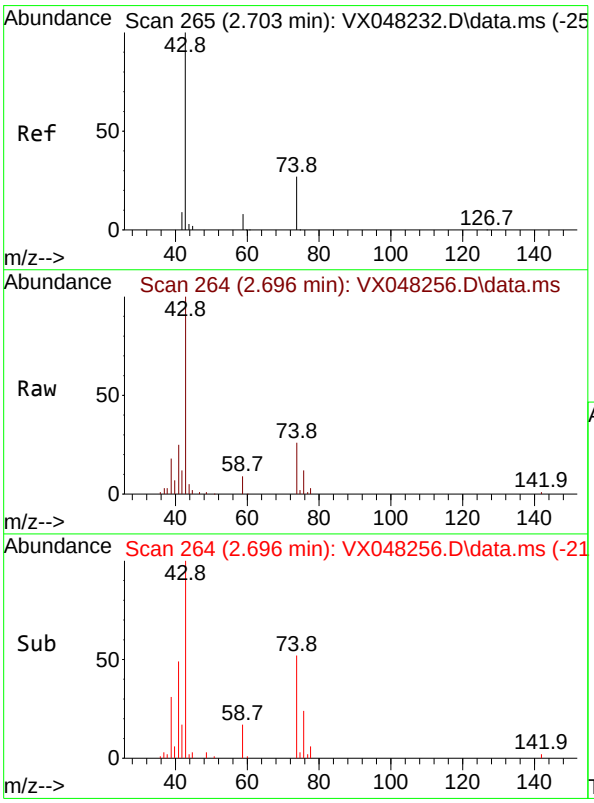
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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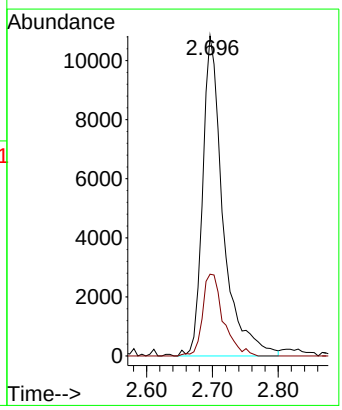
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

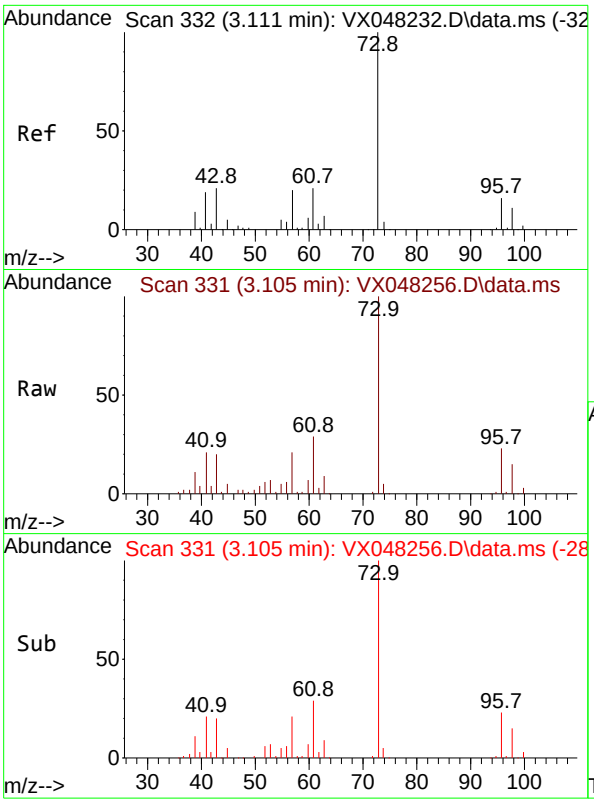


#18
Methyl Acetate
Concen: 16.928 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 43 Resp: 23399

Ion	Ratio	Lower	Upper
43	100		
74	26.0	17.5	26.3

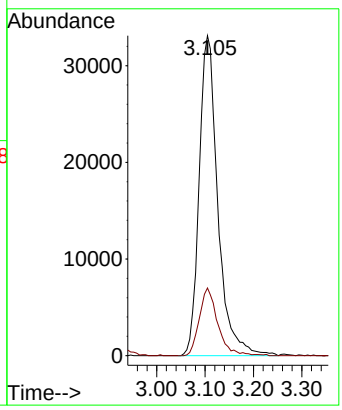




#19
Methyl tert-butyl Ether
Concen: 18.041 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 73 Resp: 8891

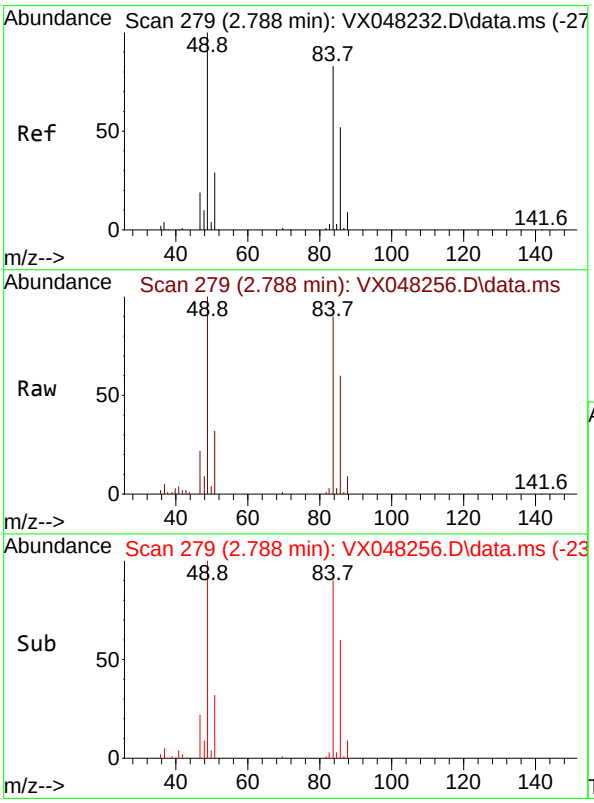
Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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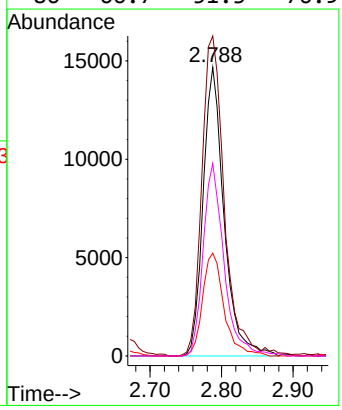
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

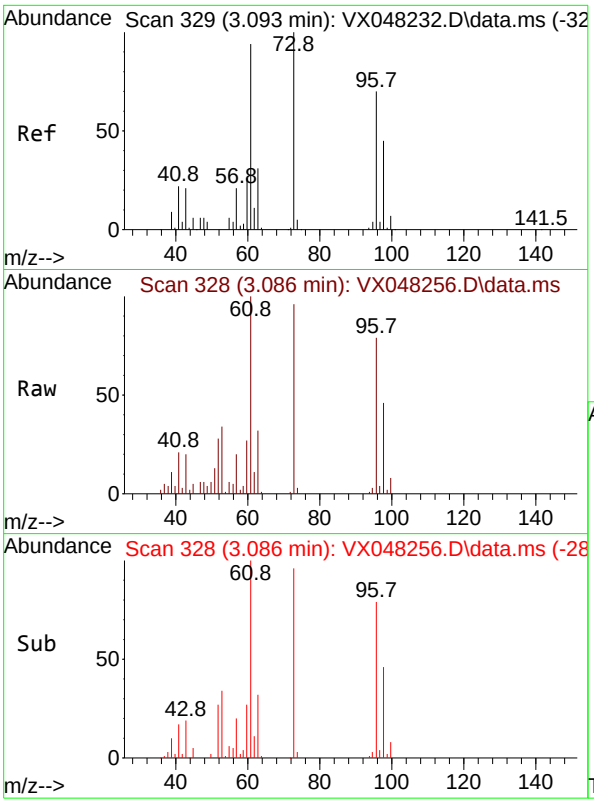


#20
Methylene Chloride
Concen: 18.498 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 84 Resp: 29832

Ion	Ratio	Lower	Upper
84	100		
49	110.8	104.1	156.1
51	35.6	31.3	46.9
86	66.7	51.3	76.9

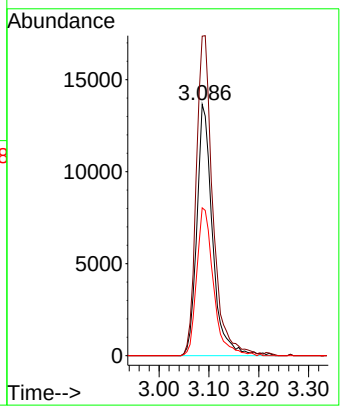




#21
trans-1,2-Dichloroethene
Concen: 18.810 ug/l
RT: 3.086 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 96 Resp: 2985

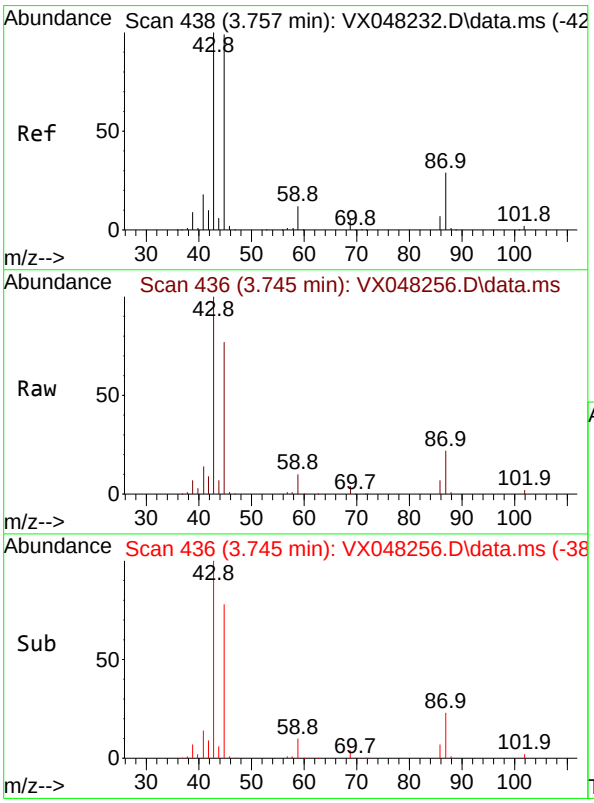
Ion	Ratio	Lower	Upper
96	100		
61	121.5	111.9	167.9
98	56.2	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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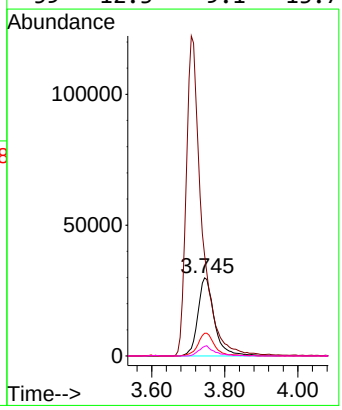
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

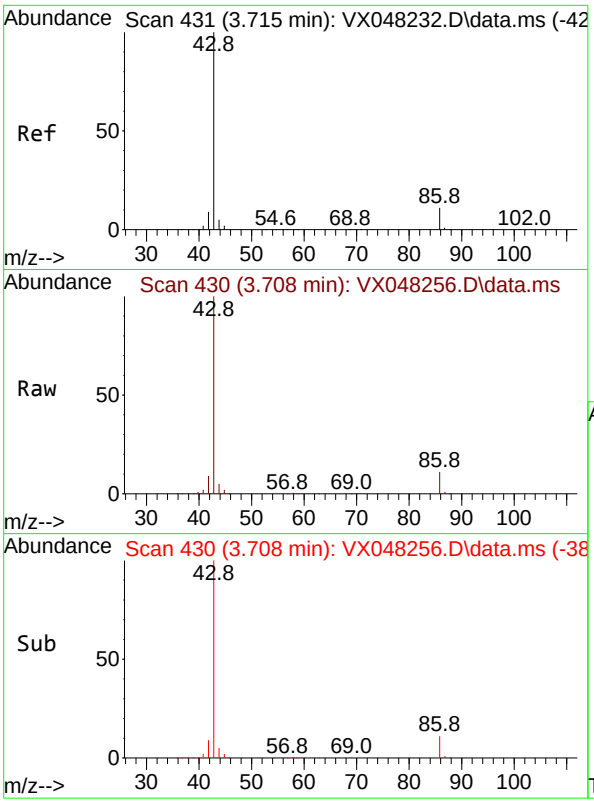


#22
Diisopropyl ether
Concen: 19.594 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 45 Resp: 93736

Ion	Ratio	Lower	Upper
45	100		
43	127.1	89.8	134.8
87	29.0	20.6	31.0
59	12.3	9.1	13.7





#23
Vinyl Acetate
Concen: 94.430 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

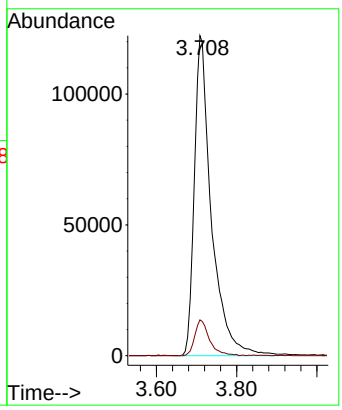
Tgt Ion: 43 Resp: 36085

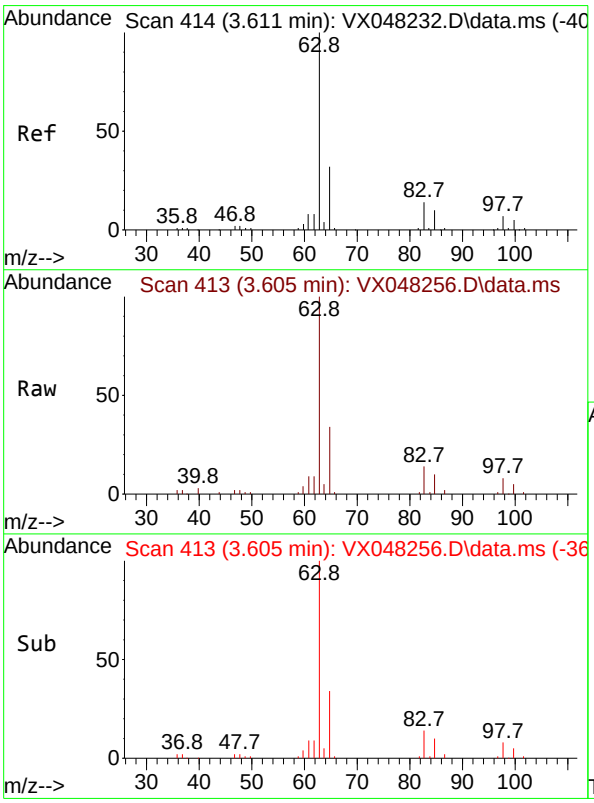
Ion	Ratio	Lower	Upper
43	100		
86	11.2	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

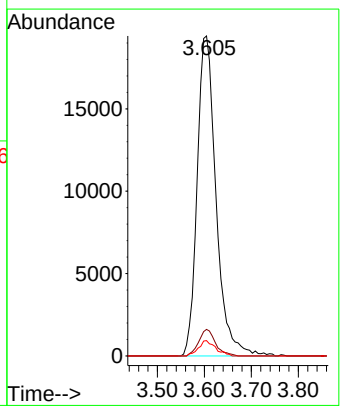


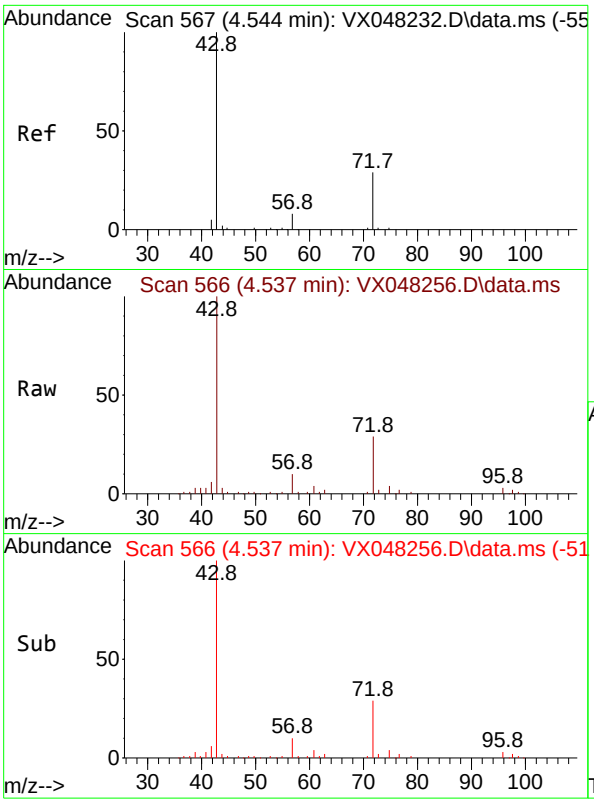


#24
1,1-Dichloroethane
Concen: 18.782 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 63 Resp: 54330

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.5	10.6
100	4.8	2.1	6.3





#25
2-Butanone
Concen: 85.682 ug/l
RT: 4.537 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

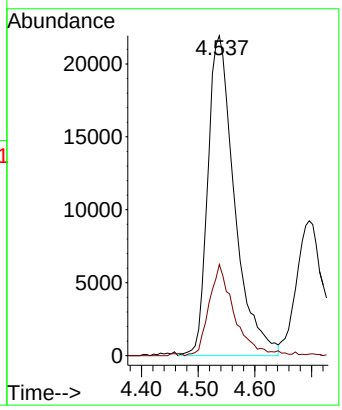
Tgt Ion: 43 Resp: 7178

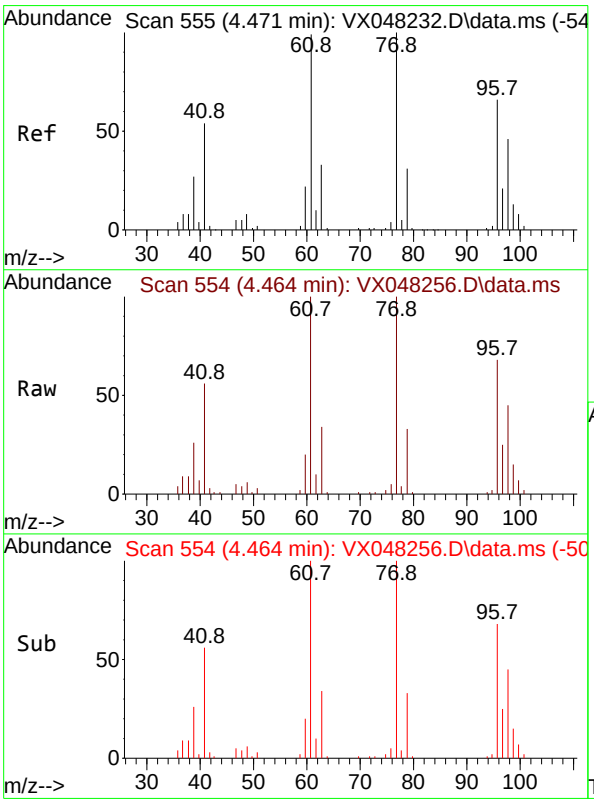
Ion	Ratio	Lower	Upper
43	100		
72	28.1	19.9	29.9

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

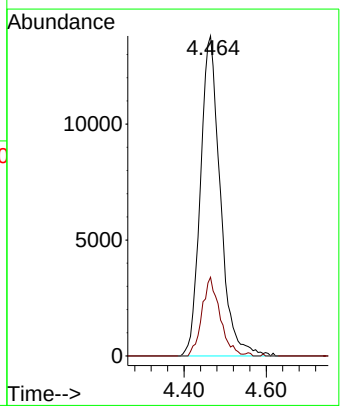


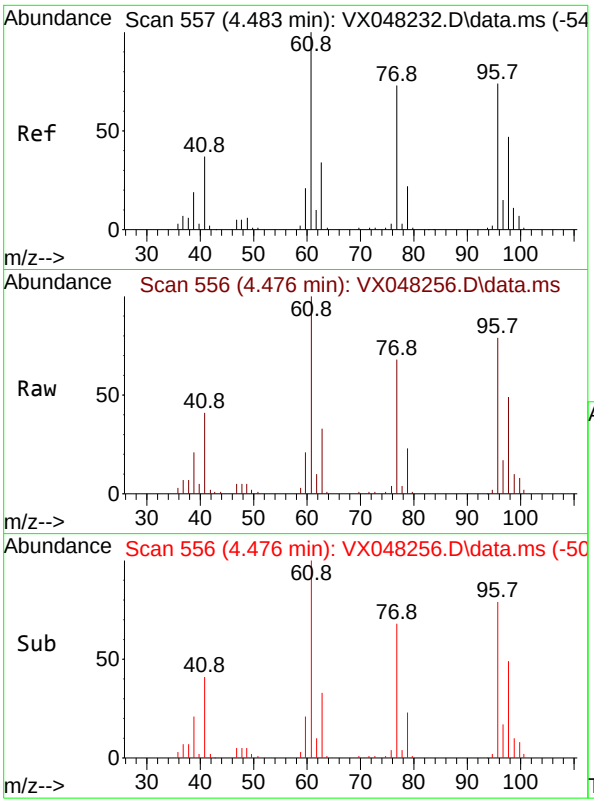


#26
2,2-Dichloropropane
Concen: 17.698 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 77 Resp: 46208

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.1	33.3





#27
cis-1,2-Dichloroethene
Concen: 19.056 ug/l
RT: 4.476 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

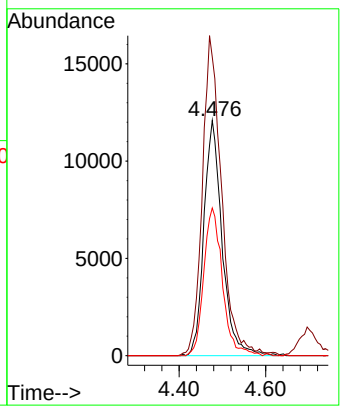
Tgt Ion: 96 Resp: 3529

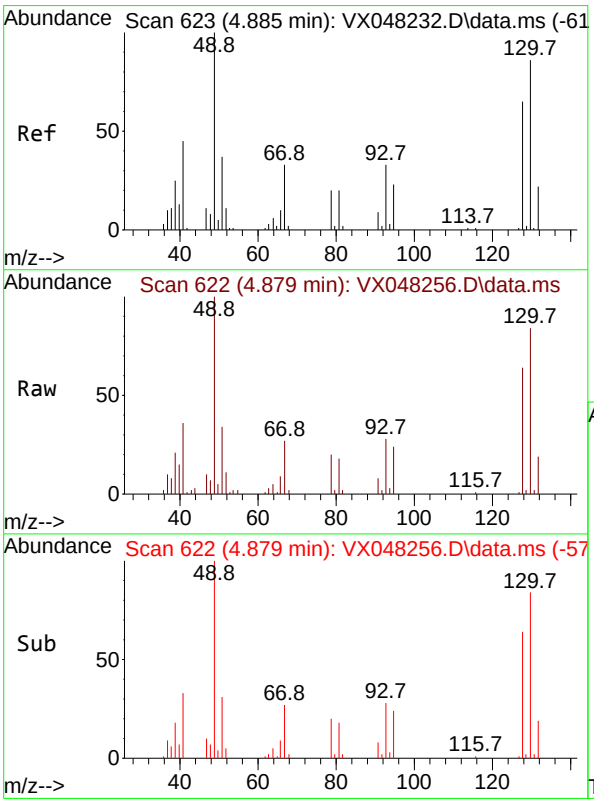
Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	294.2
98	64.4	0.0	128.4

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
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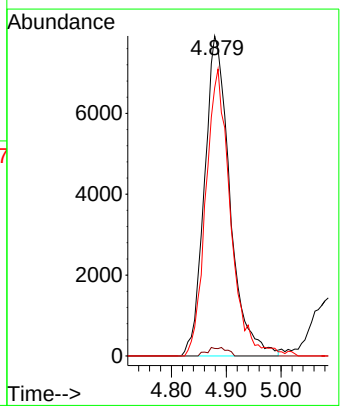


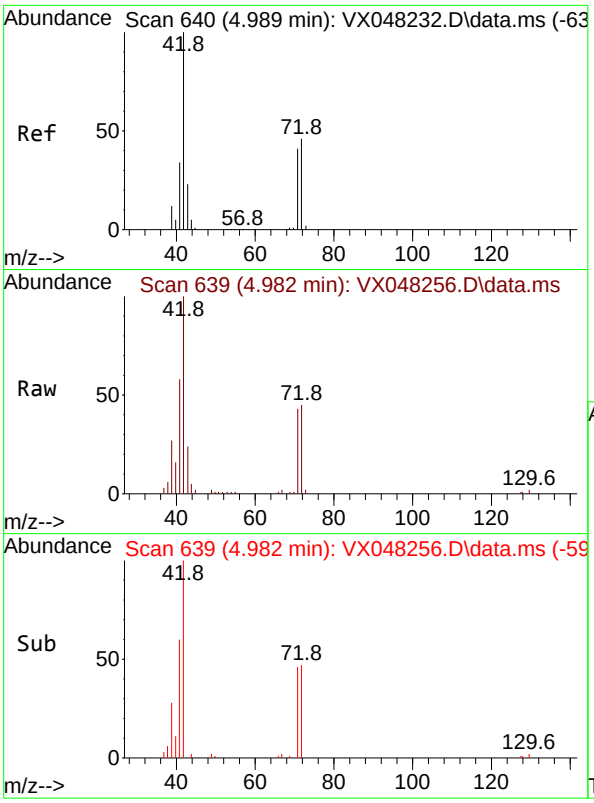


#28
Bromochloromethane
Concen: 21.258 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 49 Resp: 25497

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	86.8	59.3	88.9





#29
Tetrahydrofuran
Concen: 86.106 ug/l
RT: 4.982 min Scan# 6
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

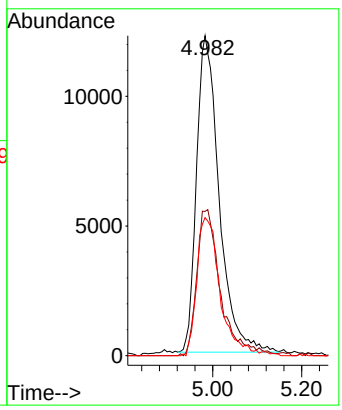
Tgt Ion: 42 Resp: 4320

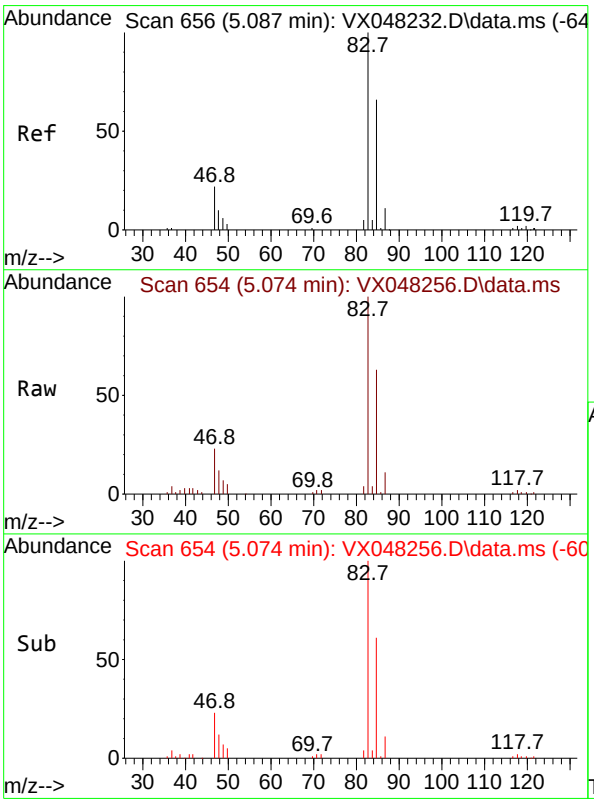
Ion	Ratio	Lower	Upper
42	100		
72	48.4	35.3	52.9
71	45.3	32.2	48.4

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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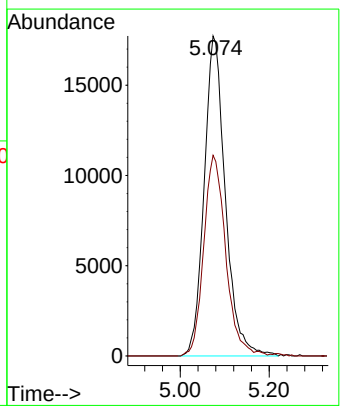


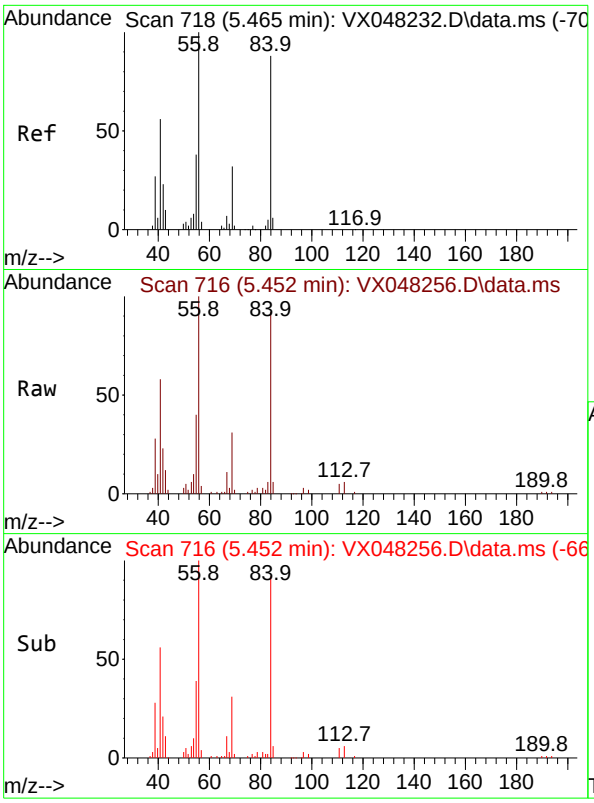


#30
Chloroform
Concen: 19.030 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 83 Resp: 58812

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.1	75.1





#31
Cyclohexane
Concen: 18.388 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

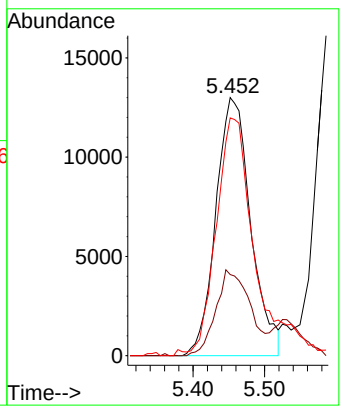
Tgt Ion: 56 Resp: 4403

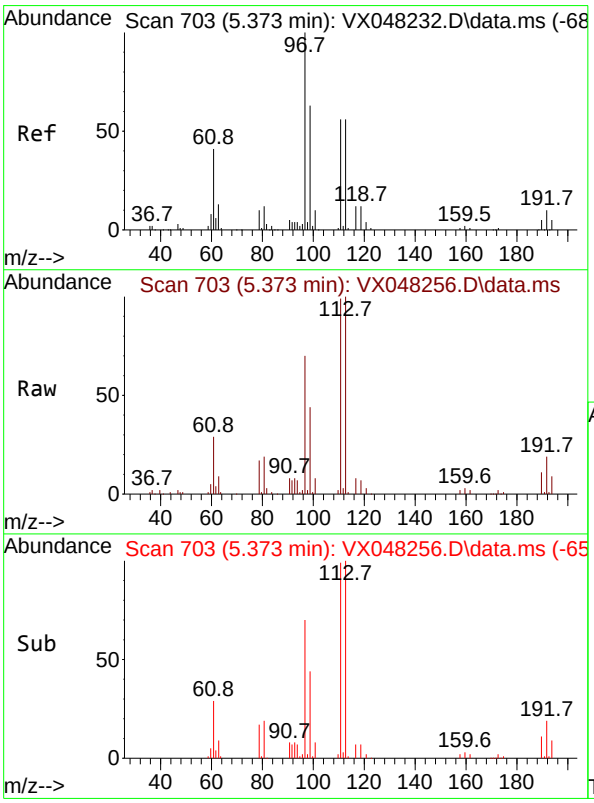
Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.0	34.6
84	89.8	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

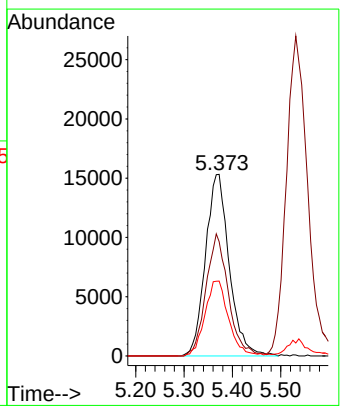


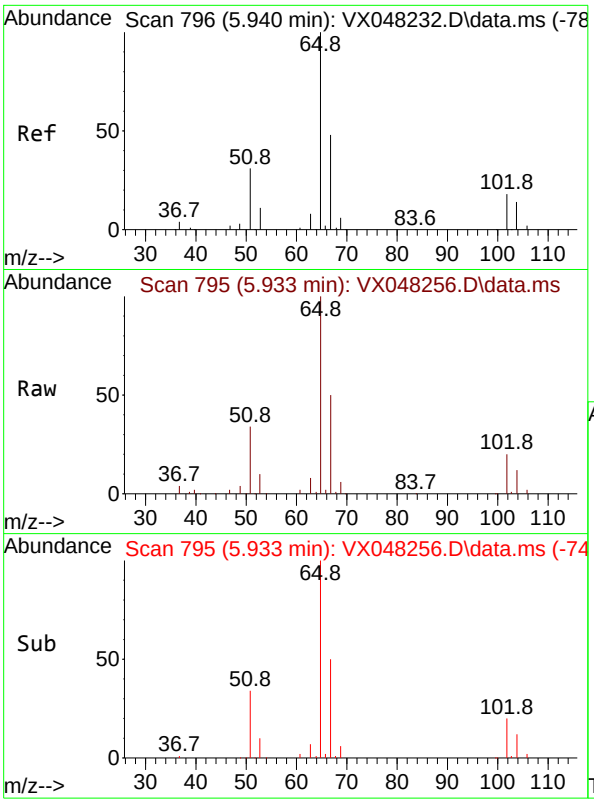


#32
1,1,1-Trichloroethane
Concen: 18.344 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 97 Resp: 52248

Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.7	77.5
61	41.2	34.8	52.2

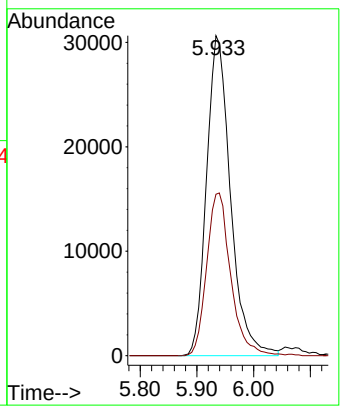




#33
1,2-Dichloroethane-d4
Concen: 46.523 ug/l
RT: 5.933 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 65 Resp: 8975

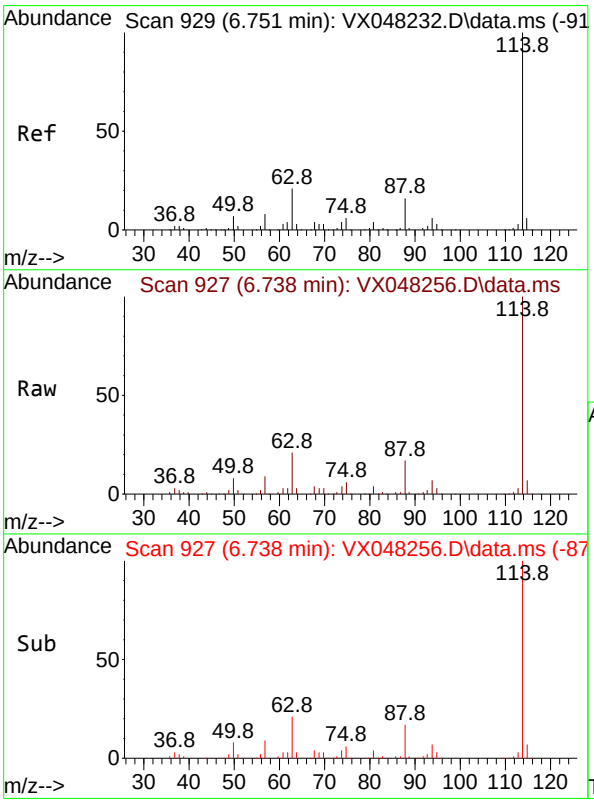
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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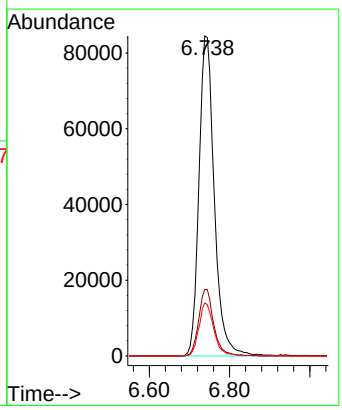
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

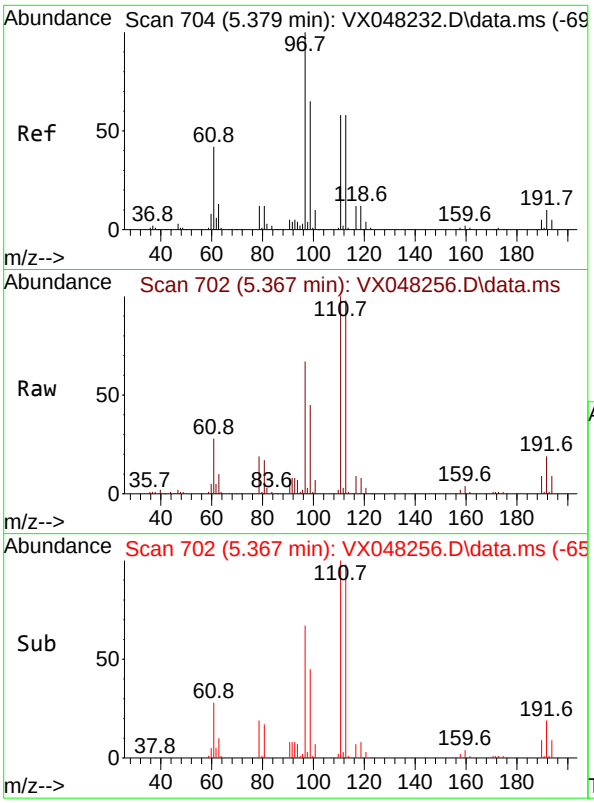


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:114 Resp: 224103

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.2
88	16.6	0.0	33.6

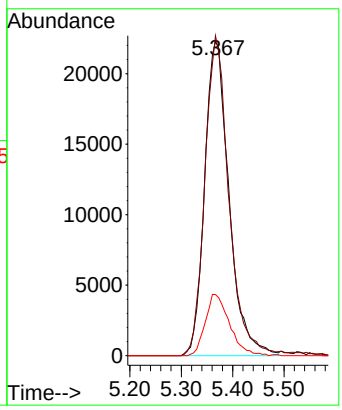




#35
Dibromofluoromethane
Concen: 47.972 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:113 Resp: 7339

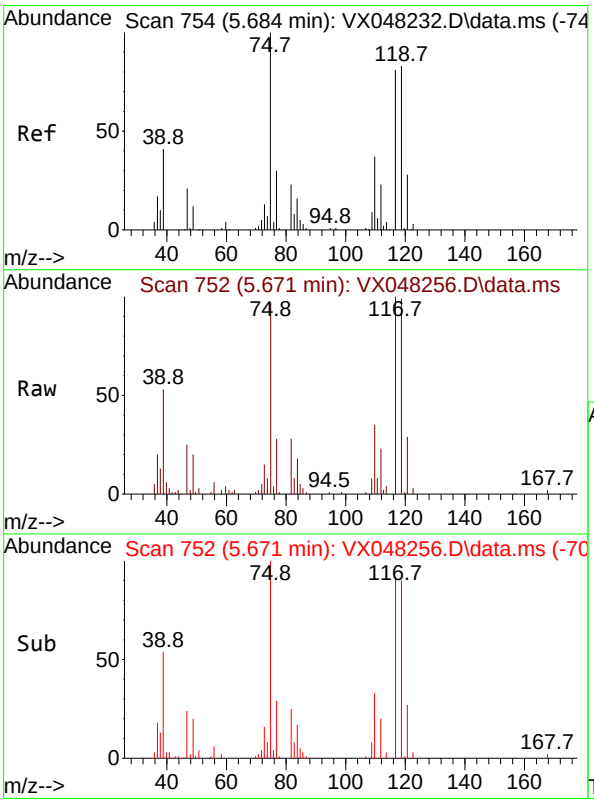
Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.2	123.4
192	19.4	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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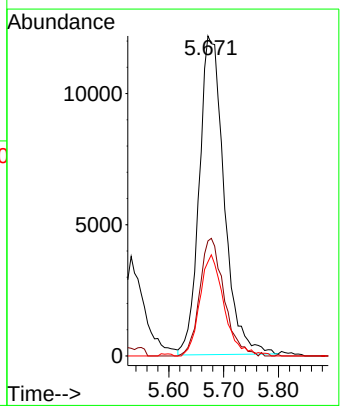
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

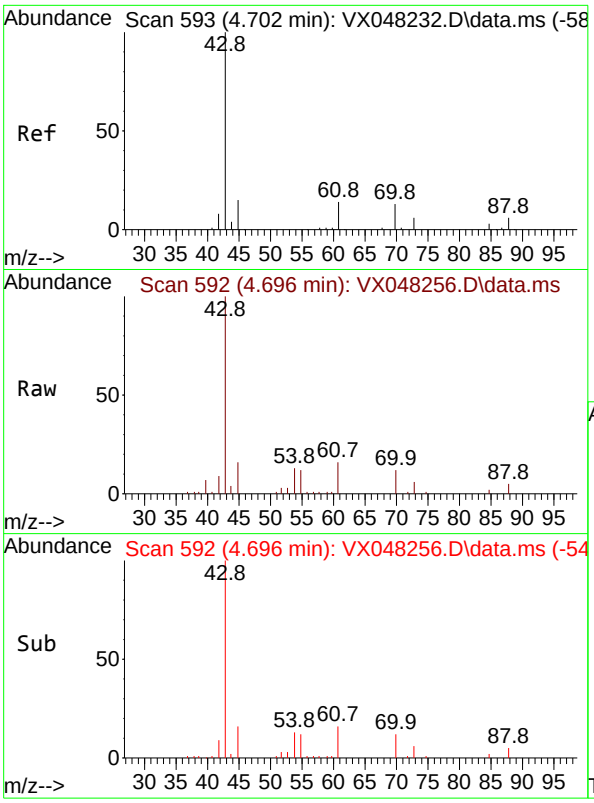


#36
1,1-Dichloropropene
Concen: 17.561 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.013 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 75 Resp: 38187

Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.7	53.1
77	31.0	24.3	36.5





#37
Ethyl Acetate
Concen: 18.047 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

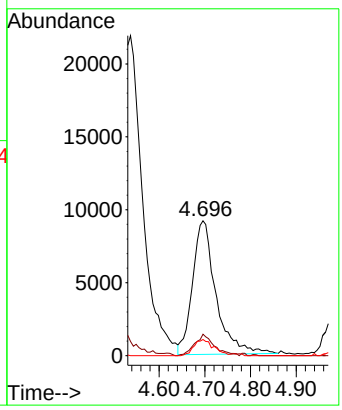
Tgt Ion: 43 Resp: 3252

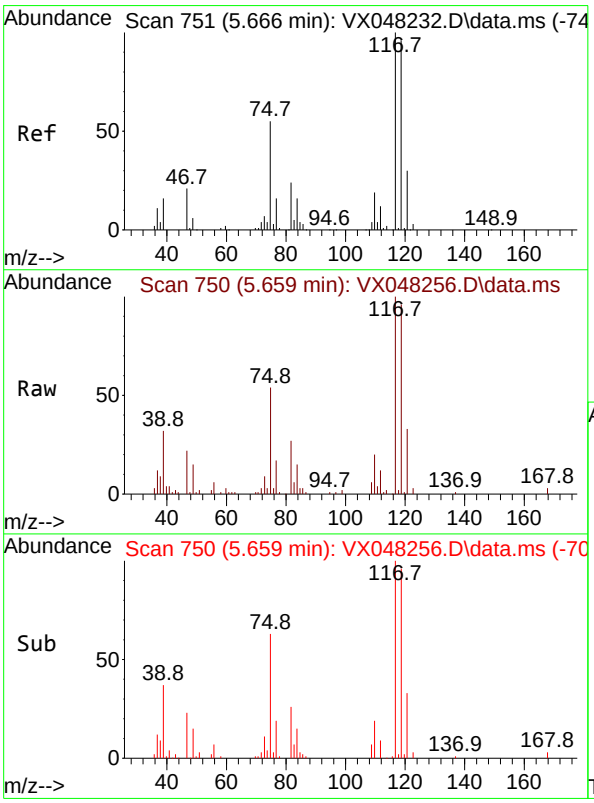
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.6	15.8
70	10.4	7.8	11.6

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

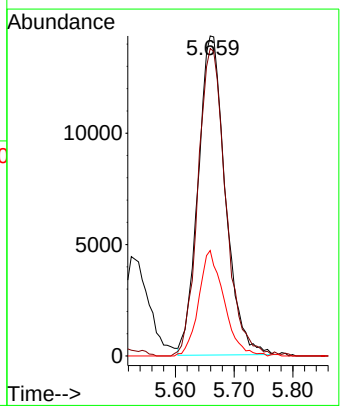


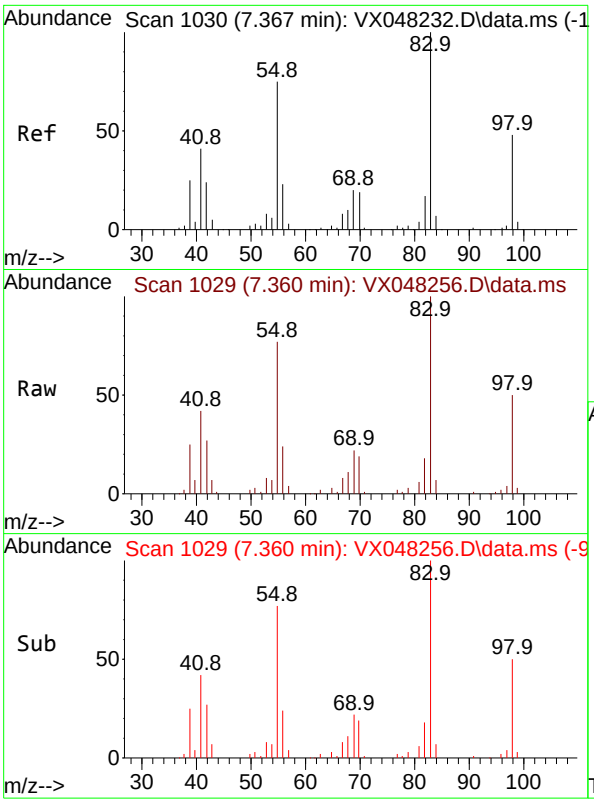


#38
Carbon Tetrachloride
Concen: 17.224 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:117 Resp: 46209

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.2	115.8
121	32.7	24.8	37.2





#39
Methylcyclohexane
Concen: 18.249 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

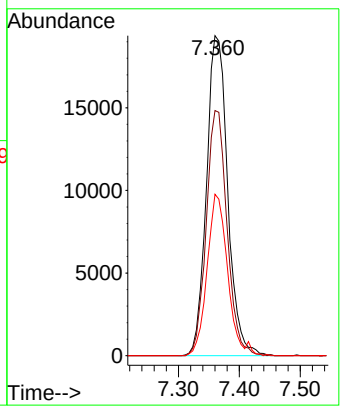
Tgt Ion: 83 Resp: 4686

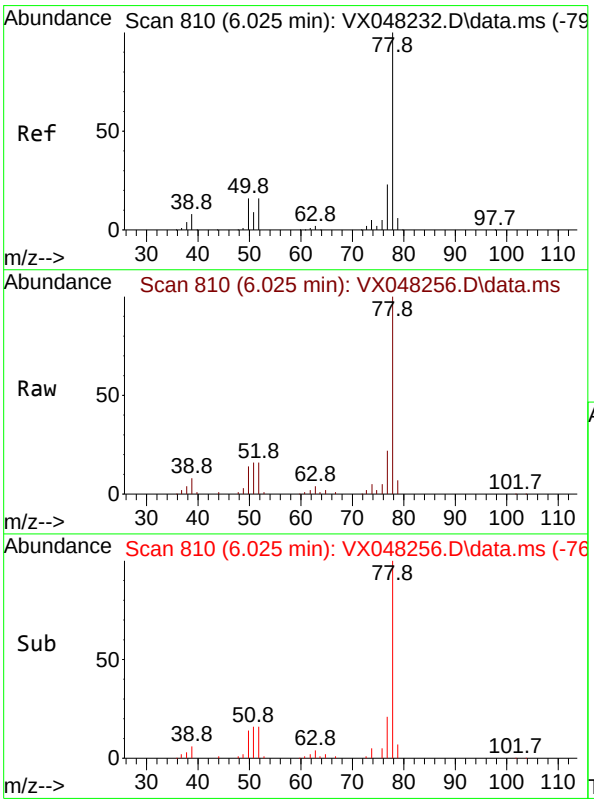
Ion	Ratio	Lower	Upper
83	100		
55	76.6	66.2	99.2
98	50.5	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

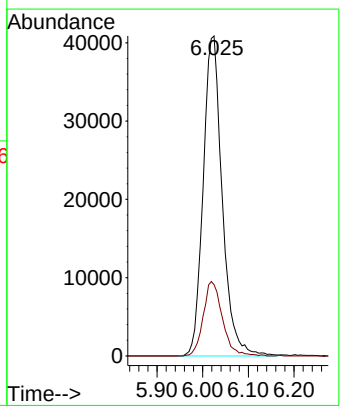


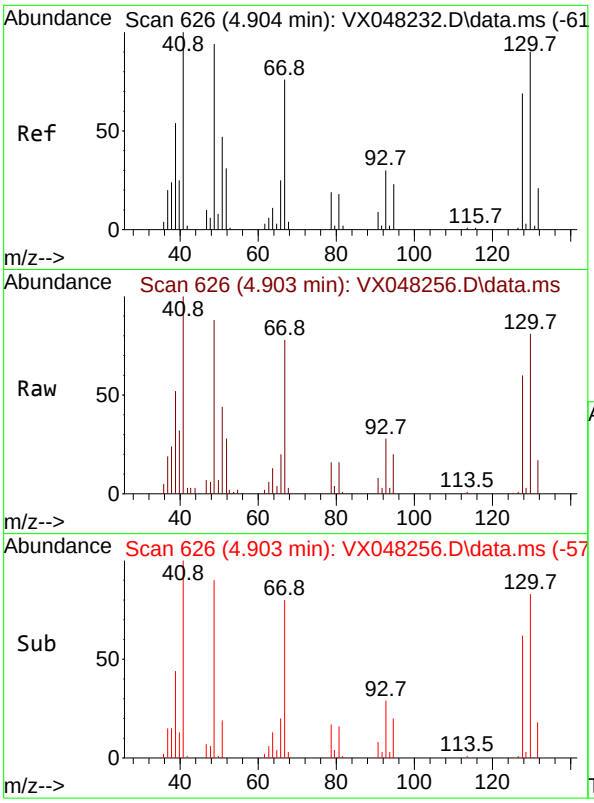


#40
Benzene
Concen: 18.752 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 78 Resp: 118391

Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.3	28.9

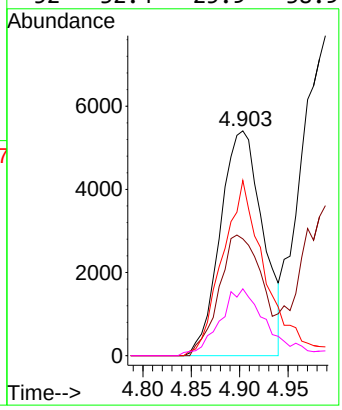




#41
Methacrylonitrile
Concen: 17.472 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 41 Resp: 1653

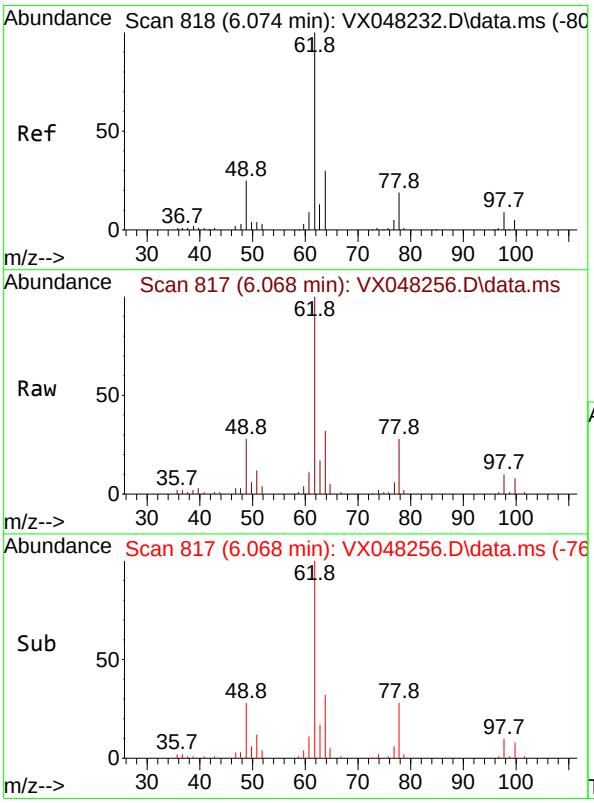
Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.0	66.0
67	78.9	58.7	88.1
52	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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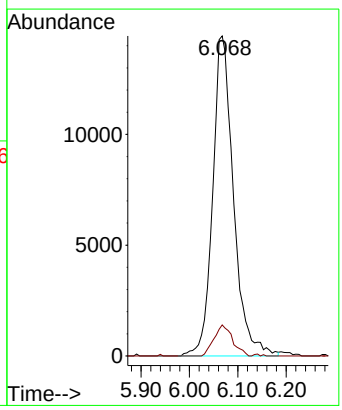
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

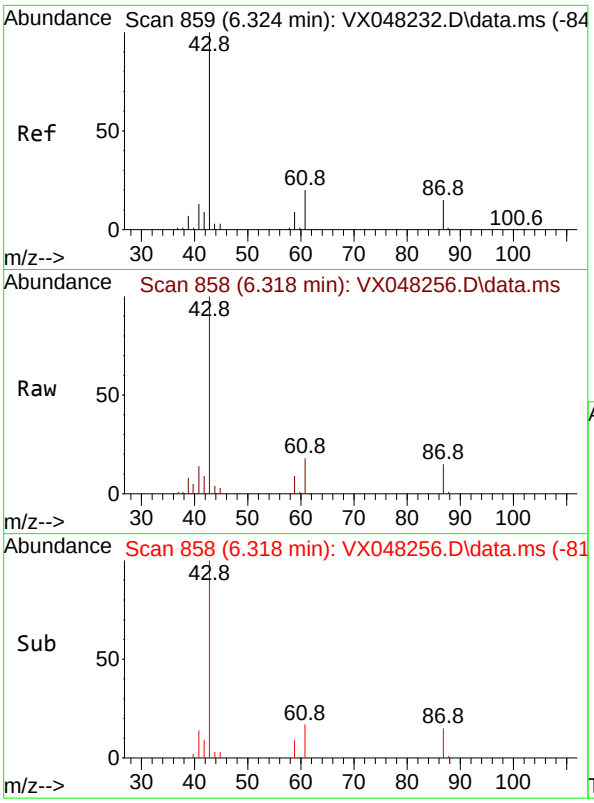


#42
1,2-Dichloroethane
Concen: 18.528 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 62 Resp: 43164

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2





#43
Isopropyl Acetate
Concen: 17.569 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

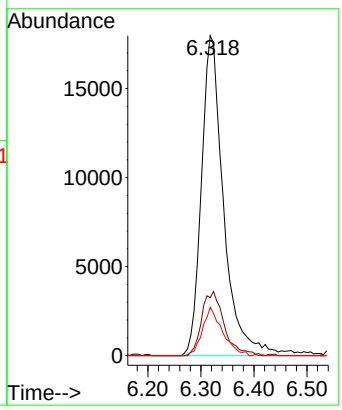
Tgt Ion: 43 Resp: 5201

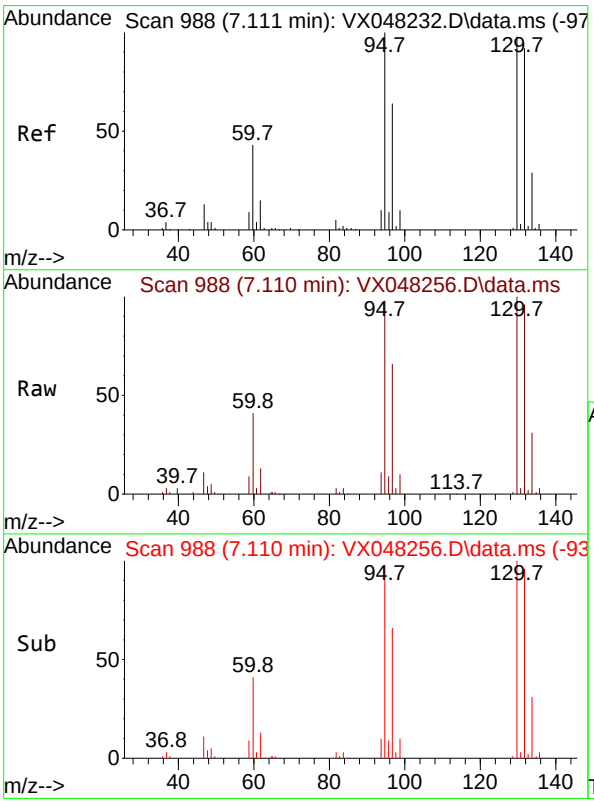
Ion	Ratio	Lower	Upper
43	100		
61	20.3	14.9	22.3
87	13.7	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

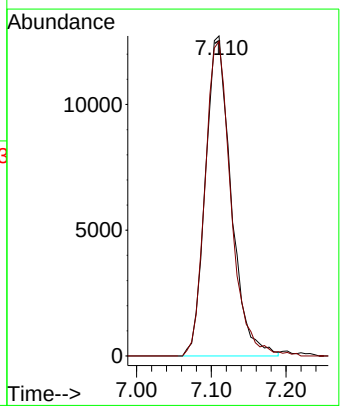


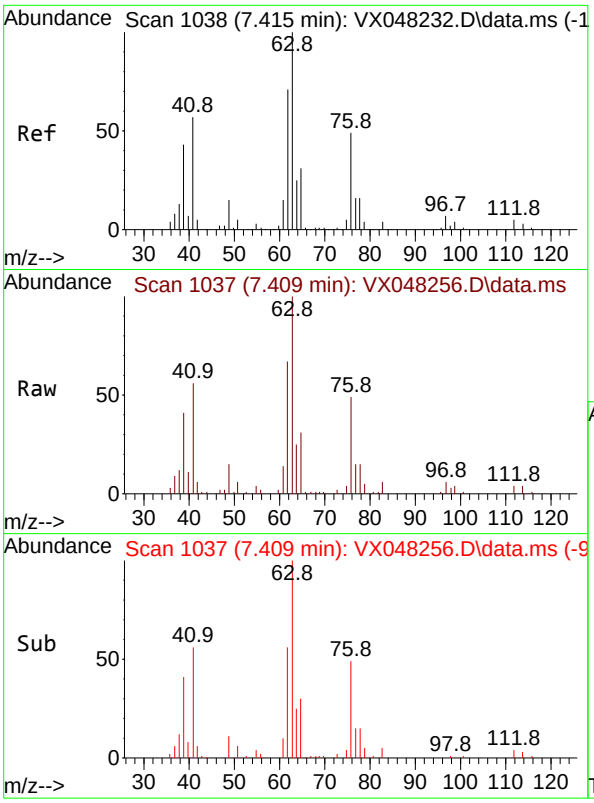


#44
Trichloroethene
Concen: 18.265 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:130 Resp: 30449

Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	200.6





#45
1,2-Dichloropropane
Concen: 19.793 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

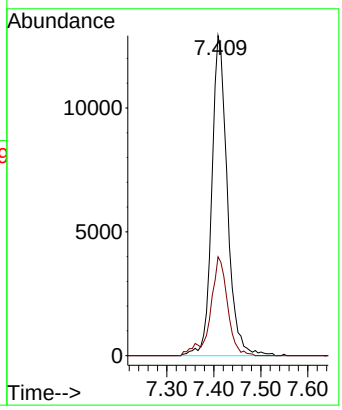
Tgt Ion: 63 Resp: 2971

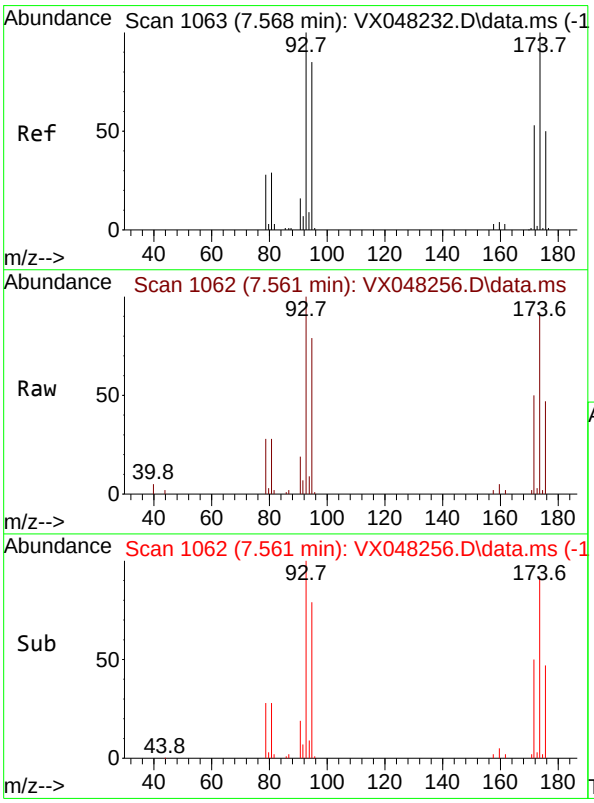
Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

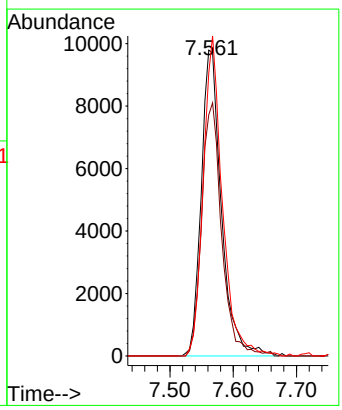


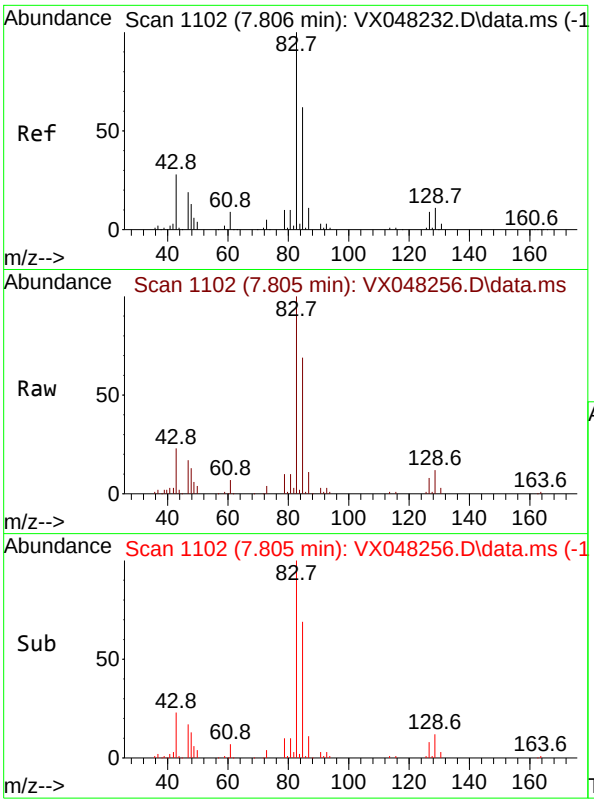


#46
Dibromomethane
Concen: 18.563 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 93 Resp: 21708

Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.9	98.9
174	99.5	71.7	107.5

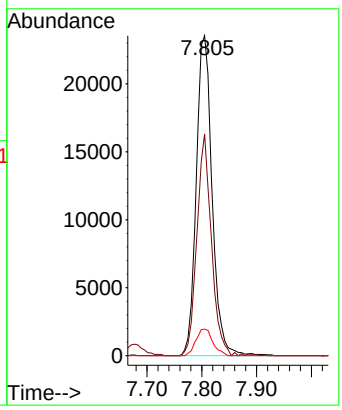




#47
Bromodichloromethane
Concen: 18.781 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 83 Resp: 4742

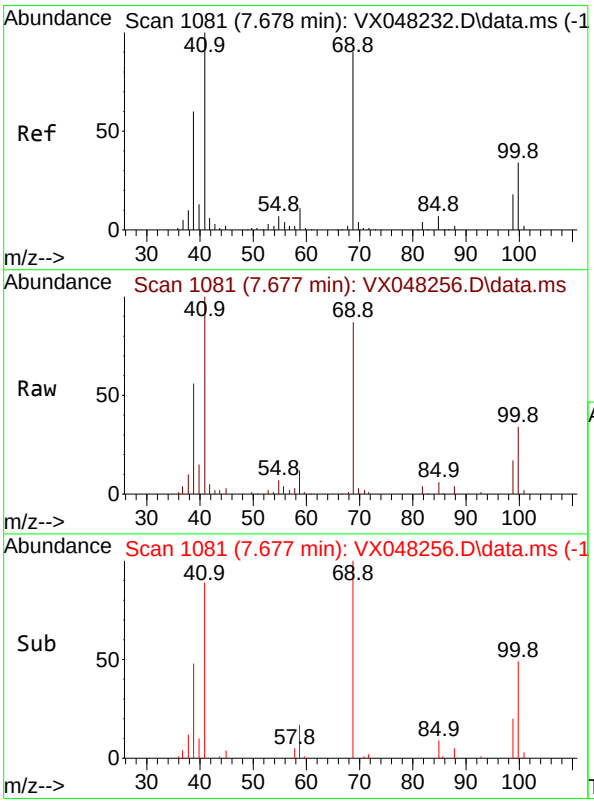
Ion	Ratio	Lower	Upper
83	100		
85	69.3	52.2	78.4
127	8.3	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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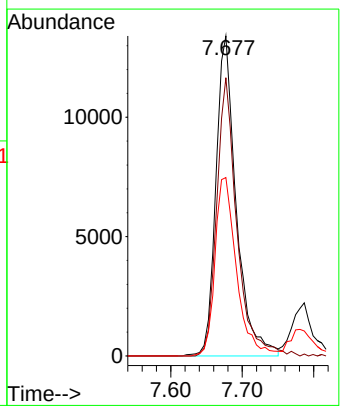
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

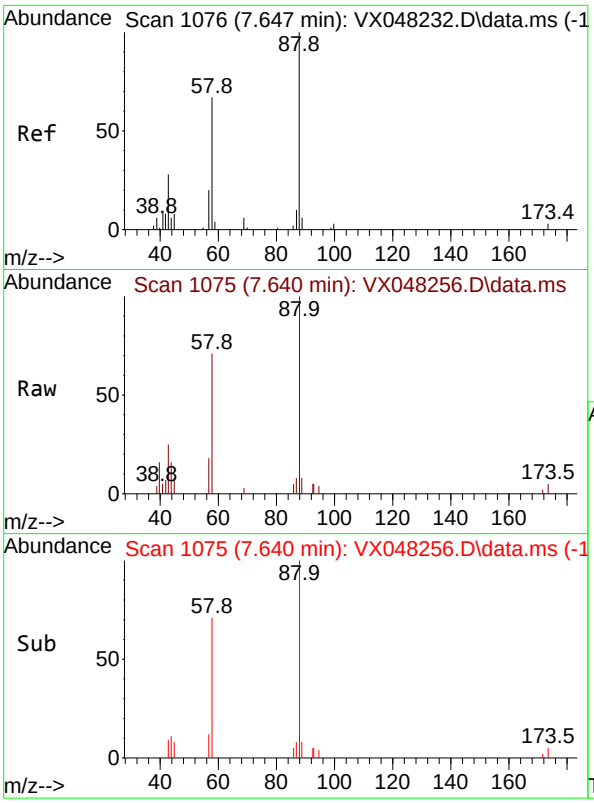


#48
Methyl methacrylate
Concen: 17.751 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 41 Resp: 26520

Ion	Ratio	Lower	Upper
41	100		
69	86.1	63.4	95.0
39	59.0	47.1	70.7





#49
1,4-Dioxane
Concen: 323.294 ug/l
RT: 7.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

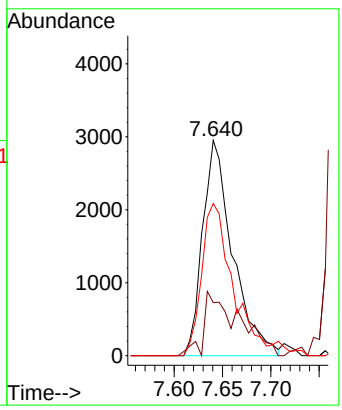
Tgt Ion: 88 Resp: 638

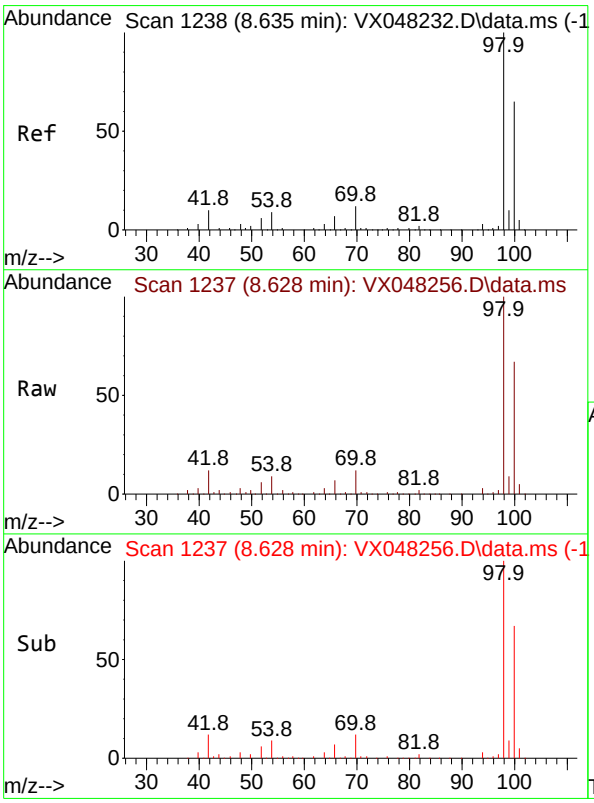
Ion	Ratio	Lower	Upper
88	100		
43	21.2	35.0	52.4
58	75.7	61.9	92.9

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

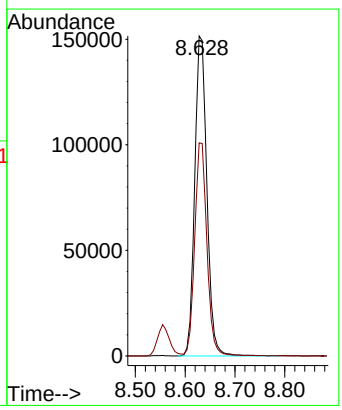


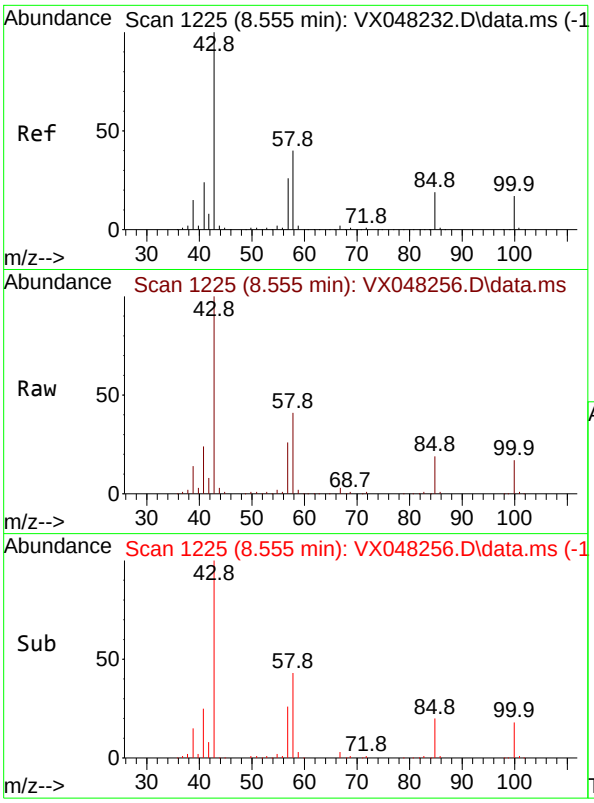


#50
Toluene-d8
Concen: 47.867 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 98 Resp: 256689

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

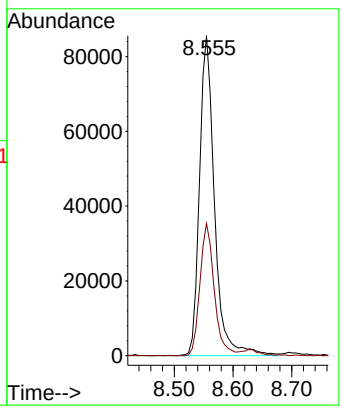




#51
4-Methyl-2-Pentanone
Concen: 88.982 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 43 Resp: 15189

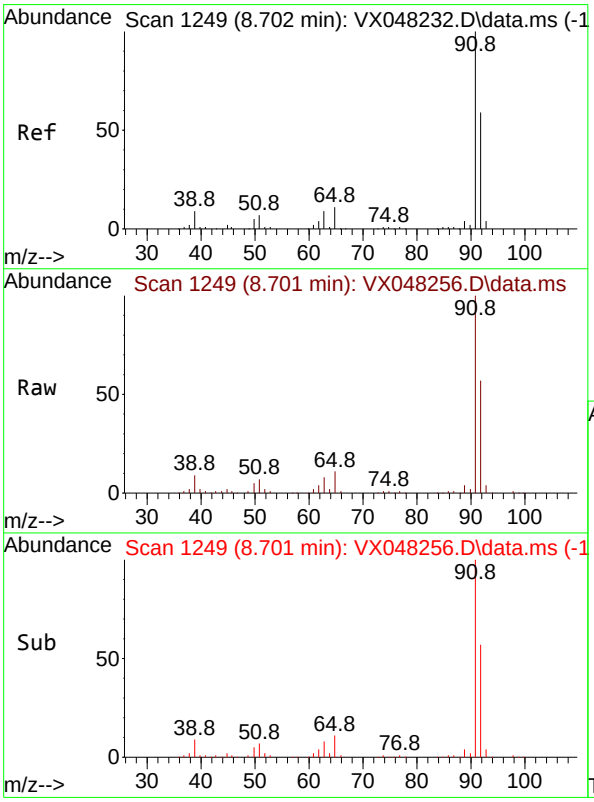
Ion	Ratio	Lower	Upper
43	100		
58	39.5	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

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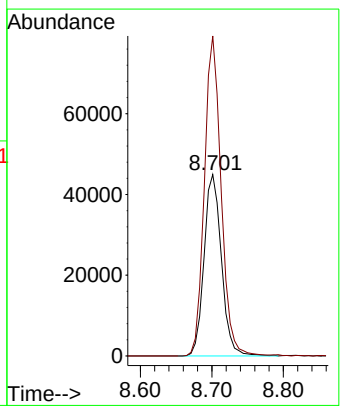
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

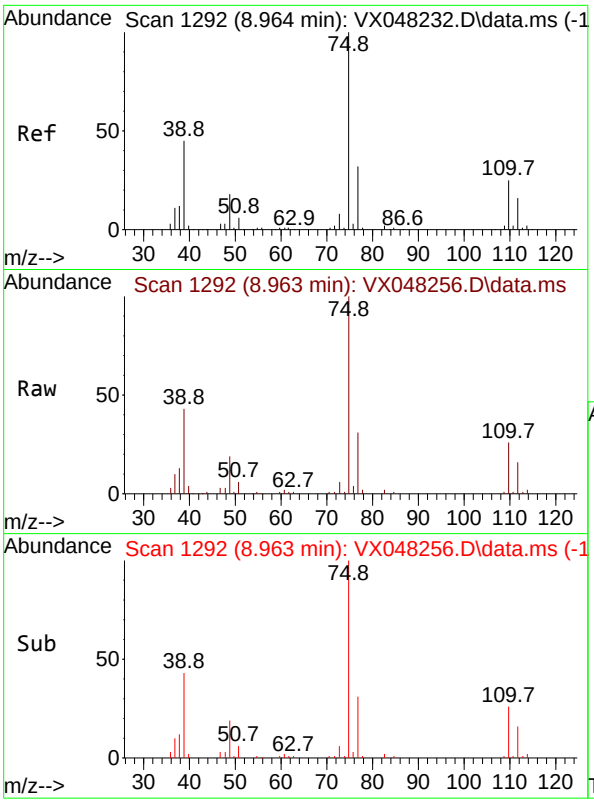


#52
Toluene
Concen: 18.906 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 92 Resp: 75829

Ion	Ratio	Lower	Upper
92	100		
91	169.9	136.1	204.1

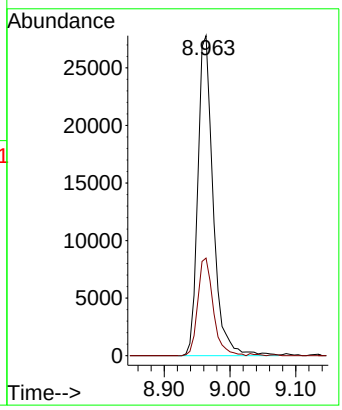




#53
t-1,3-Dichloropropene
Concen: 18.497 ug/l
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 75 Resp: 4500

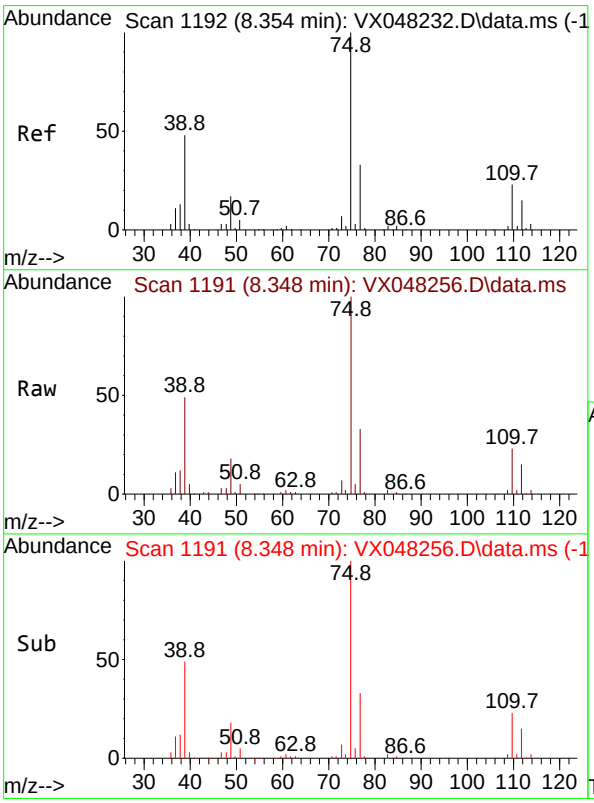
Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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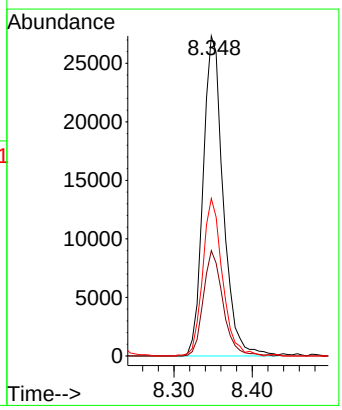
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

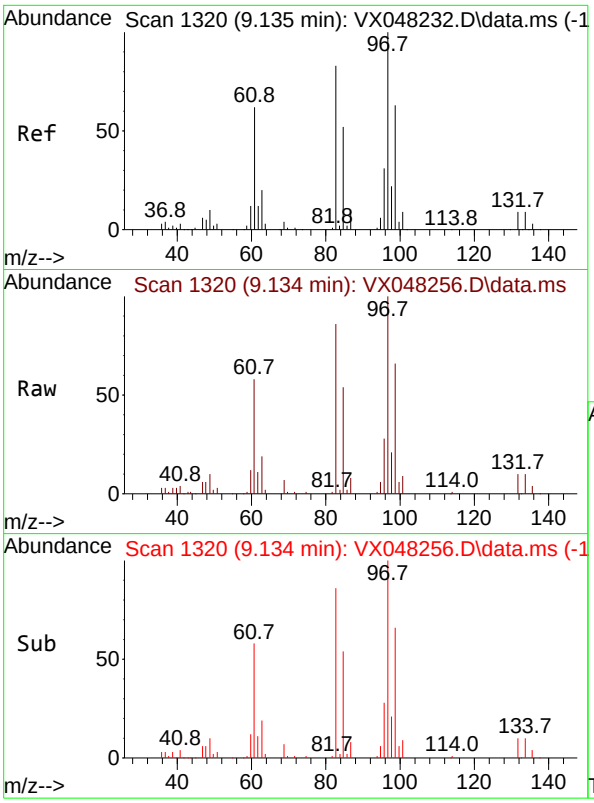


#54
cis-1,3-Dichloropropene
Concen: 18.541 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 75 Resp: 48675

Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.9	37.3
39	48.8	42.6	64.0

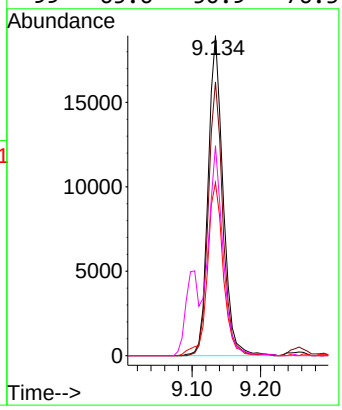




#55
1,1,2-Trichloroethane
Concen: 19.271 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 97 Resp: 2874

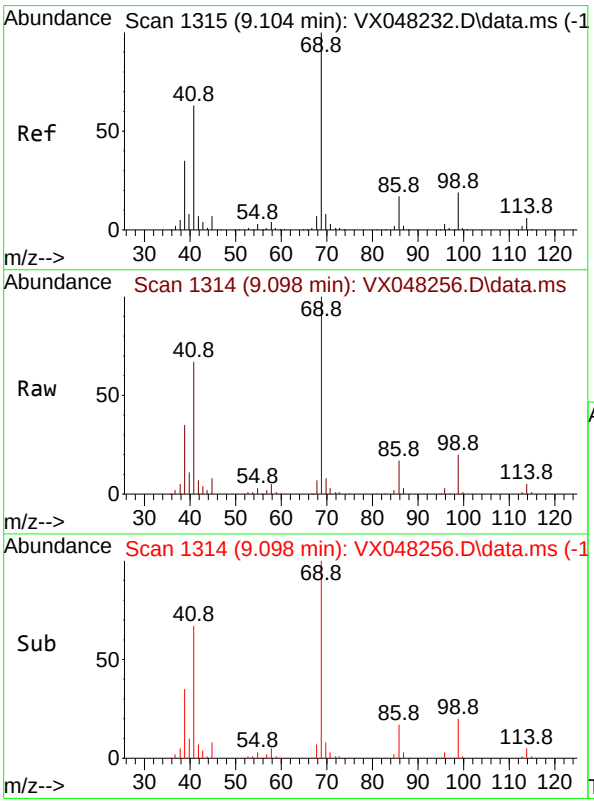
Ion	Ratio	Lower	Upper
97	100		
83	85.5	70.6	105.8
85	54.0	45.0	67.6
99	65.6	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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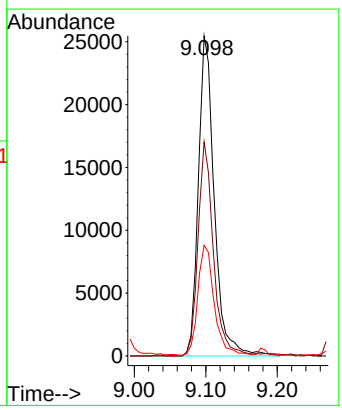
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

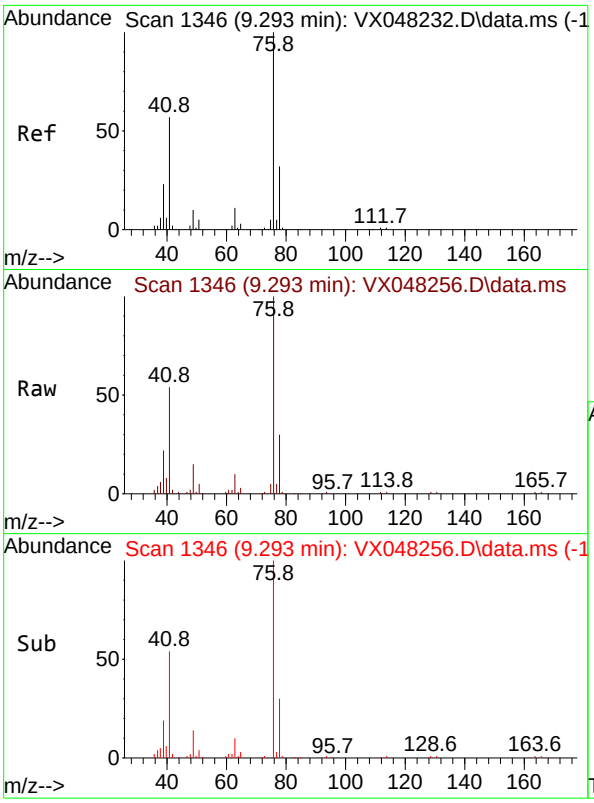


#56
Ethyl methacrylate
Concen: 18.073 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 69 Resp: 39428

Ion	Ratio	Lower	Upper
69	100		
41	64.9	56.0	84.0
39	35.9	31.6	47.4





#57
1,3-Dichloropropane
Concen: 18.933 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

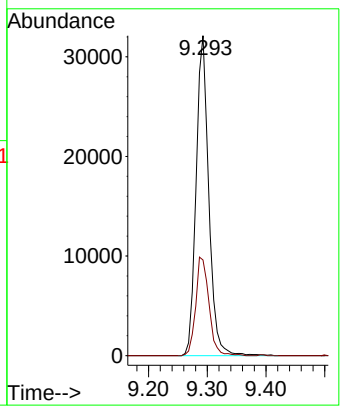
Tgt Ion: 76 Resp: 4823

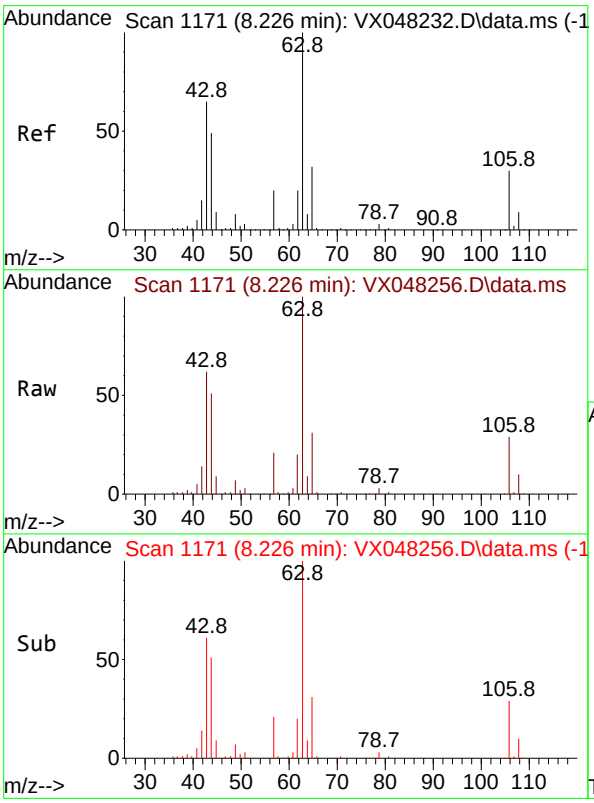
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

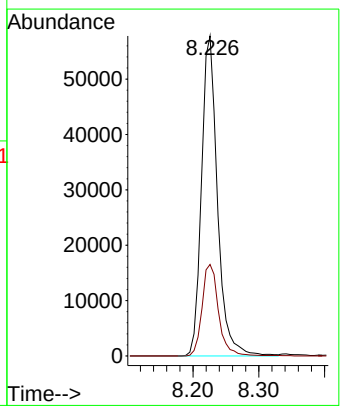


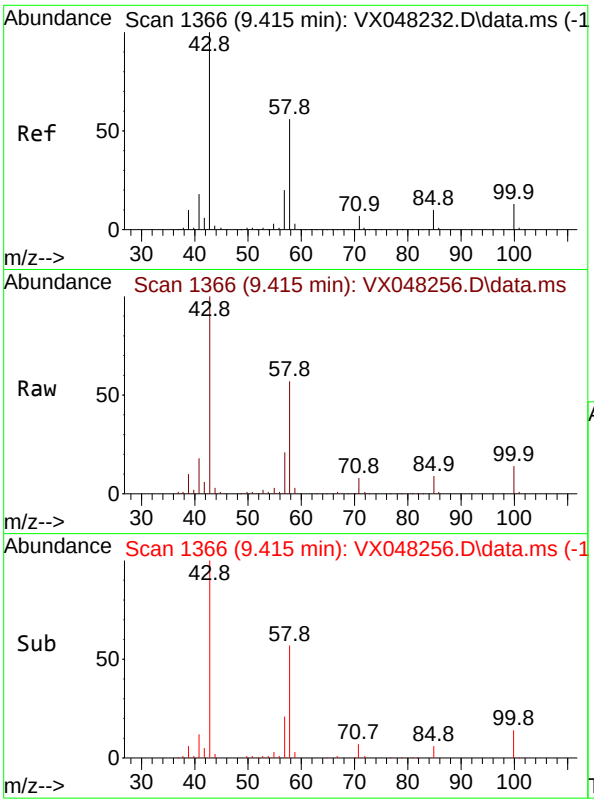


#58
2-Chloroethyl Vinyl ether
Concen: 84.467 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 63 Resp: 97758

Ion	Ratio	Lower	Upper
63	100		
106	29.4	22.2	33.2





#59
2-Hexanone
Concen: 87.804 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

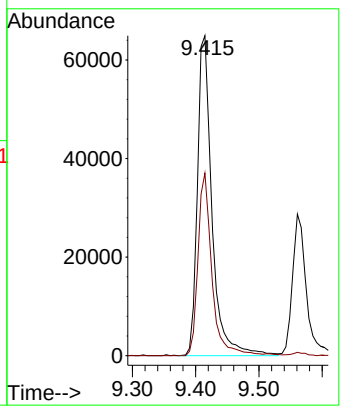
Tgt Ion: 43 Resp: 10451

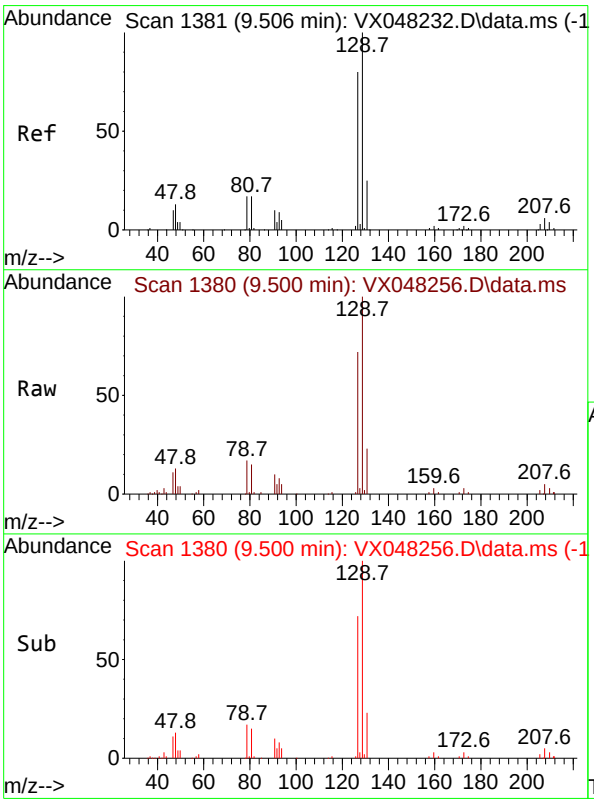
Ion	Ratio	Lower	Upper
43	100		
58	54.2	26.3	78.8

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
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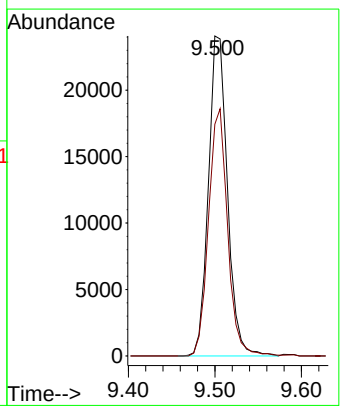


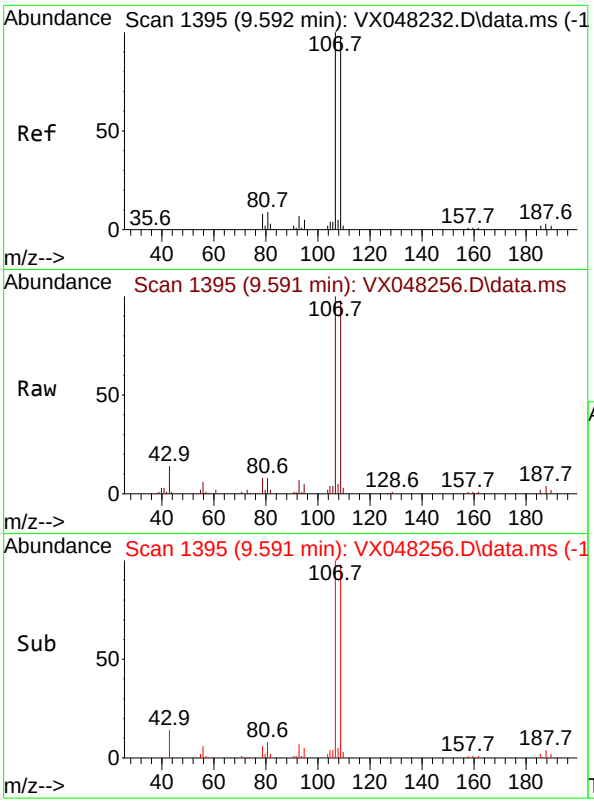


#60
Dibromochloromethane
Concen: 18.328 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.007 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:129 Resp: 36743

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.7





#61
1,2-Dibromoethane
Concen: 18.555 ug/l
RT: 9.591 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

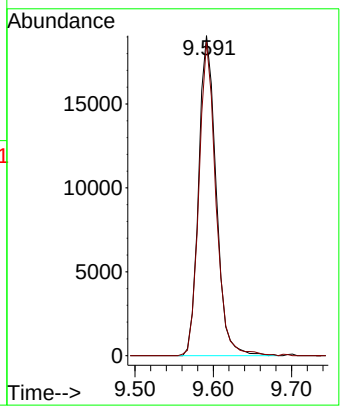
Tgt Ion:107 Resp: 2950

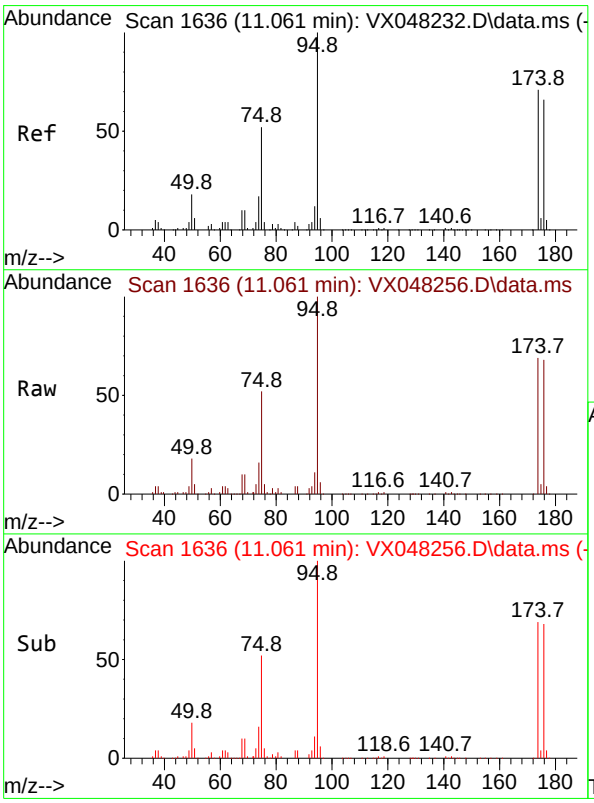
Ion	Ratio	Lower	Upper
107	100		
109	95.5	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

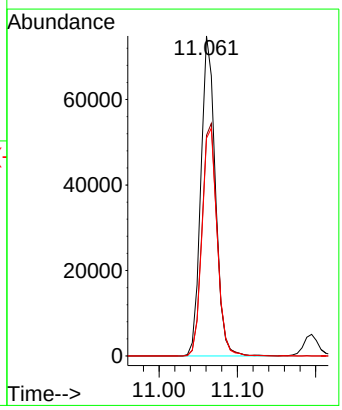


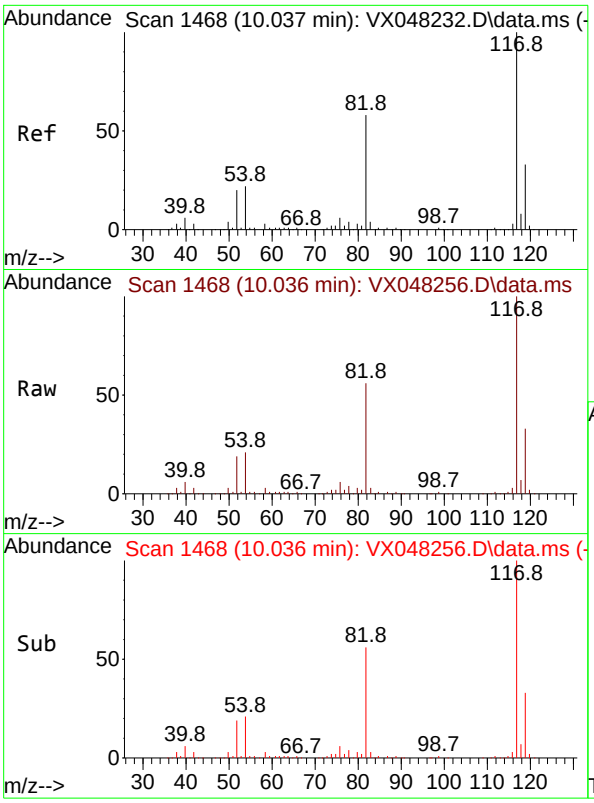


#62
4-Bromofluorobenzene
Concen: 47.283 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 95 Resp: 96462

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	147.8
176	73.9	0.0	142.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

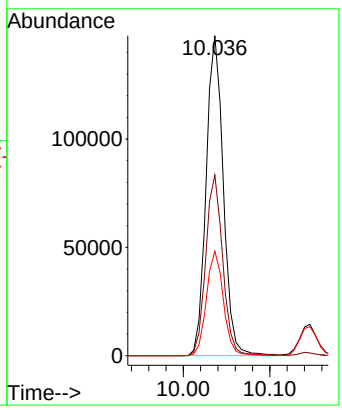
Tgt Ion:117 Resp: 20336

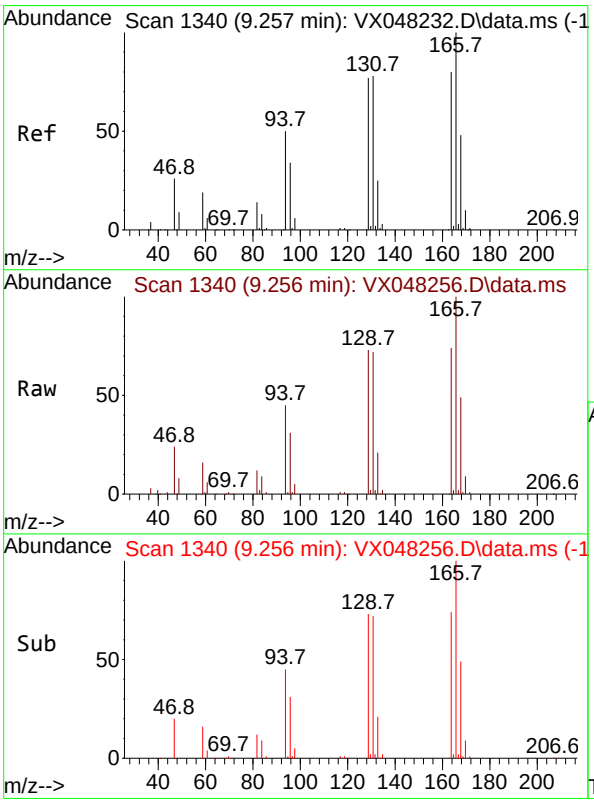
Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.5	69.7
119	32.7	25.9	38.9

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

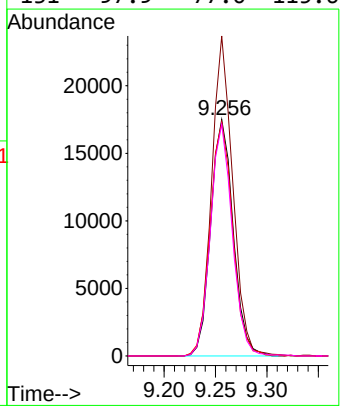


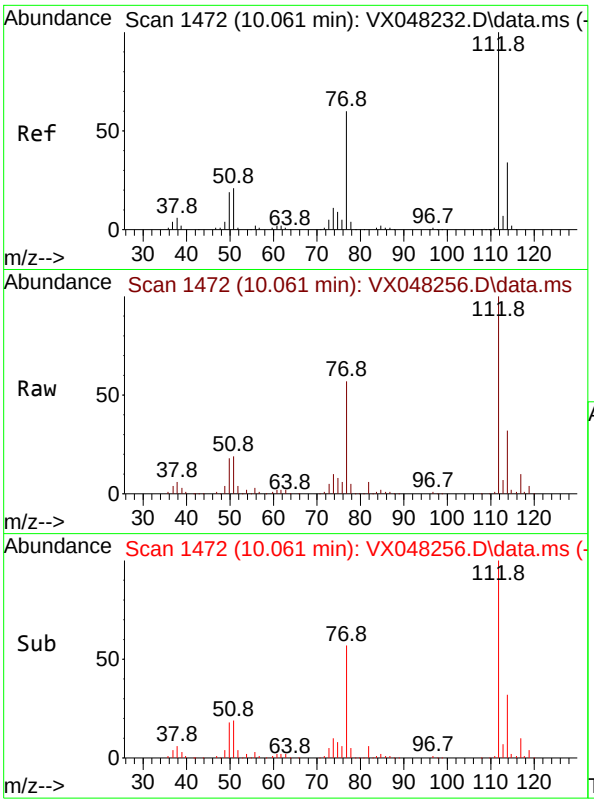


#64
Tetrachloroethene
Concen: 17.492 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:164 Resp: 26555

Ion	Ratio	Lower	Upper
164	100		
166	135.3	104.5	156.7
129	98.9	81.8	122.6
131	97.9	77.0	115.6





#65
Chlorobenzene
Concen: 18.875 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

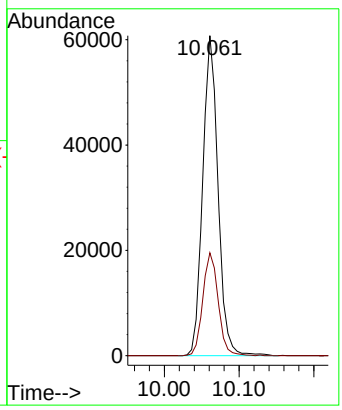
Tgt Ion:112 Resp: 8634

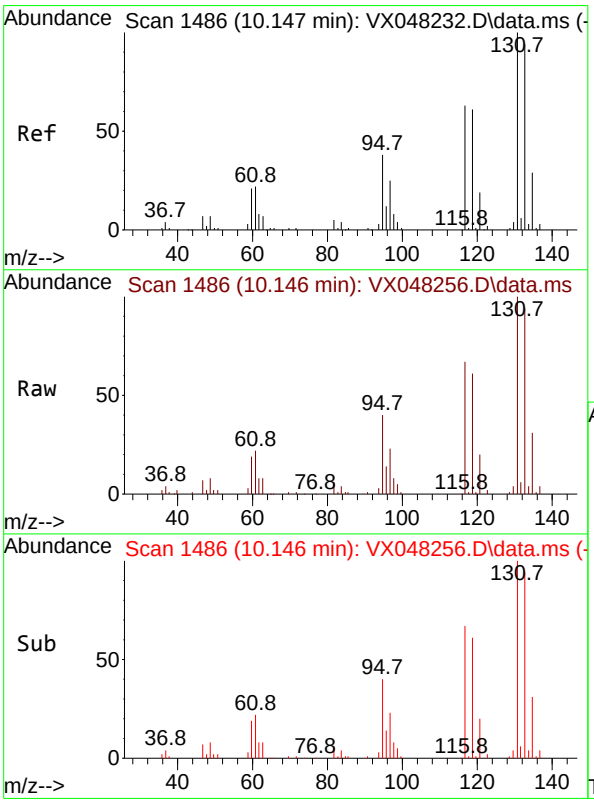
Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.2	39.2

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

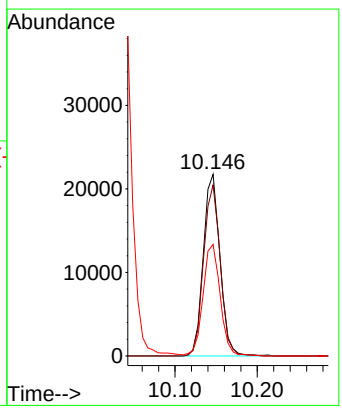


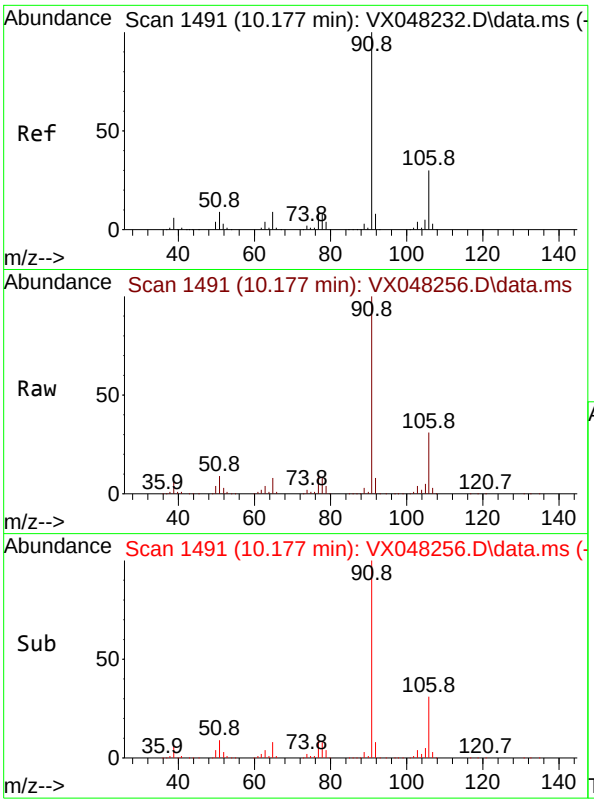


#66
1,1,1,2-Tetrachloroethane
Concen: 18.258 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:131 Resp: 30678

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.6	142.8
119	63.3	32.5	97.5





#67
Ethyl Benzene
Concen: 18.320 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

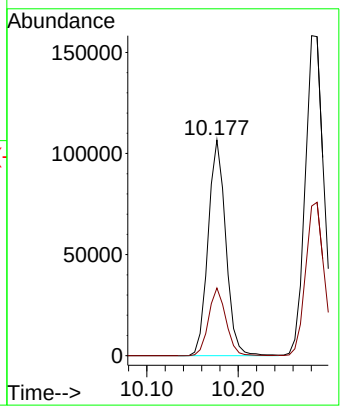
Tgt Ion: 91 Resp: 14269

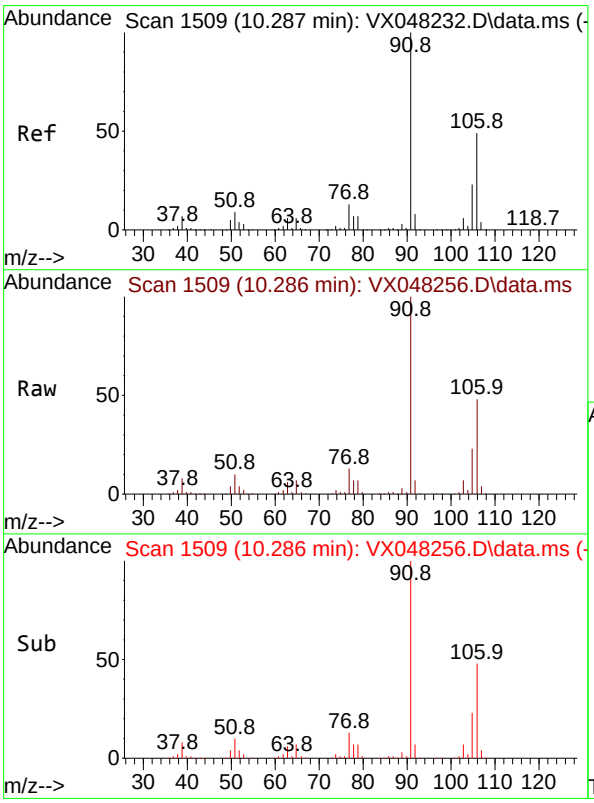
Ion	Ratio	Lower	Upper
91	100		
106	31.4	23.8	35.6

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

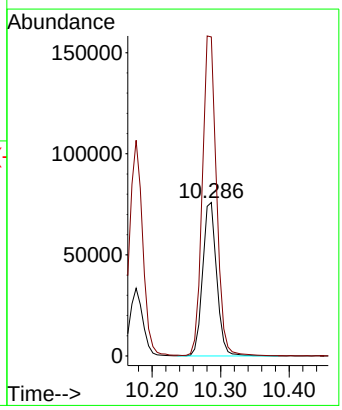


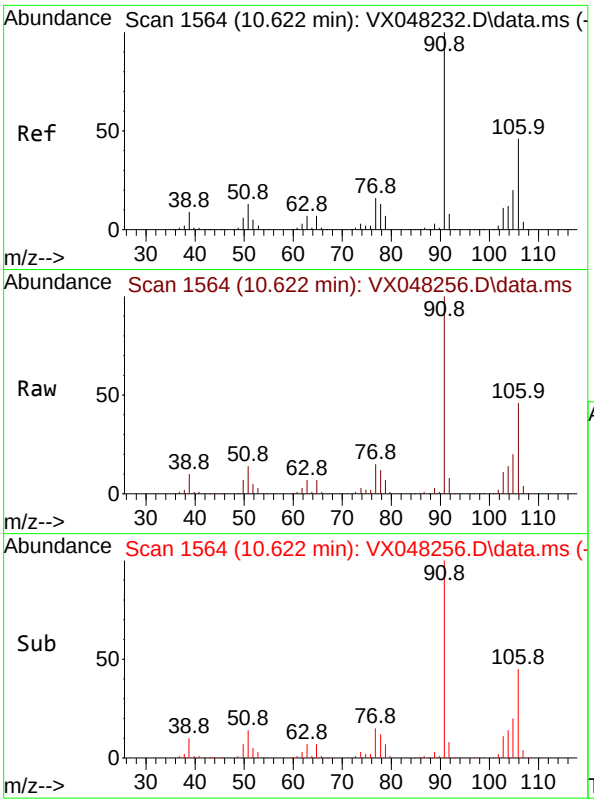


#68
m/p-Xylenes
Concen: 37.497 ug/l
RT: 10.286 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:106 Resp: 108512

Ion	Ratio	Lower	Upper
106	100		
91	209.5	167.9	251.9





#69
o-Xylene
Concen: 18.468 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

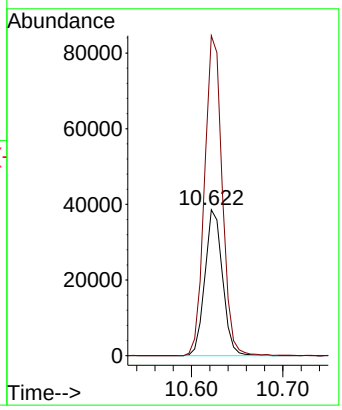
Tgt Ion:106 Resp: 5159

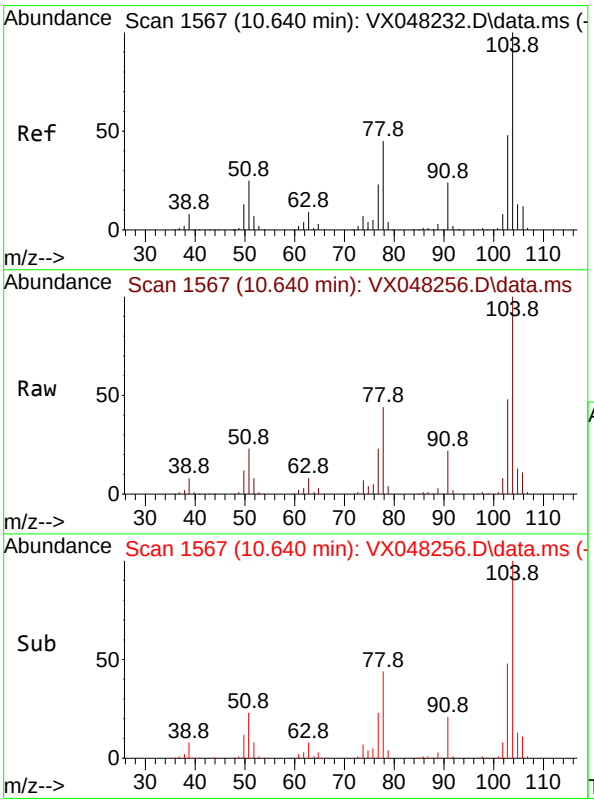
Ion	Ratio	Lower	Upper
106	100		
91	219.4	111.3	333.9

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

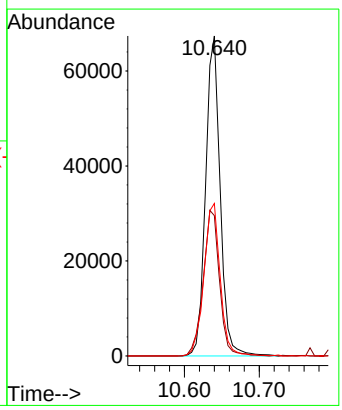


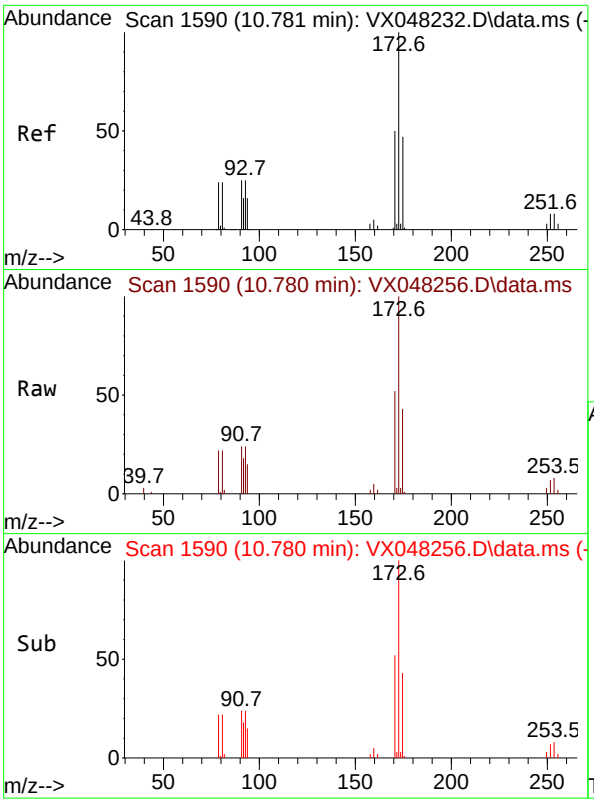


#70
Styrene
Concen: 19.185 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:104 Resp: 91270

Ion	Ratio	Lower	Upper
104	100		
78	51.0	42.2	63.4
103	53.4	43.0	64.4





#71
Bromoform
Concen: 17.711 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

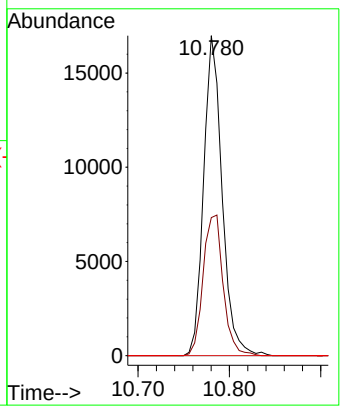
Tgt Ion:173 Resp: 2378

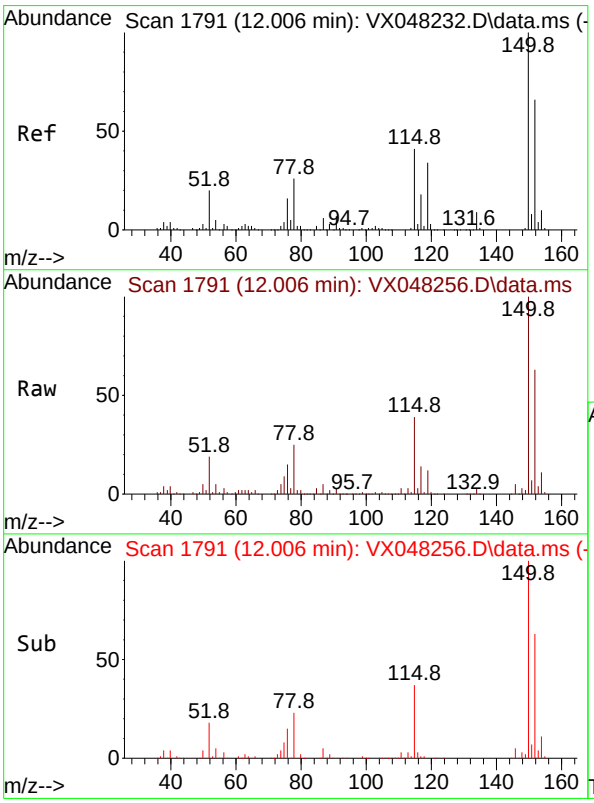
Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.0	72.0
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

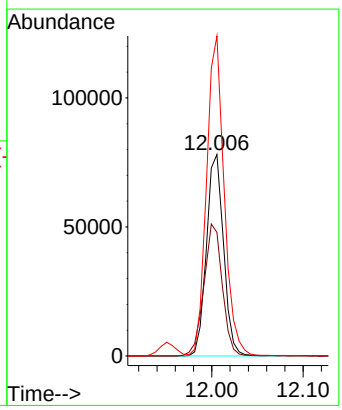


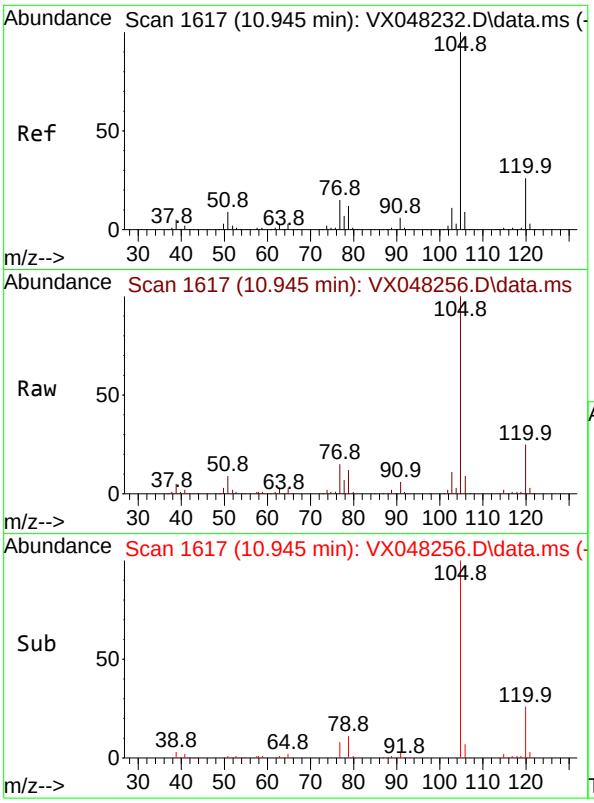


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:152 Resp: 101316

Ion	Ratio	Lower	Upper
152	100		
115	70.4	43.1	129.4
150	163.7	0.0	353.0





#73
Isopropylbenzene
Concen: 18.464 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

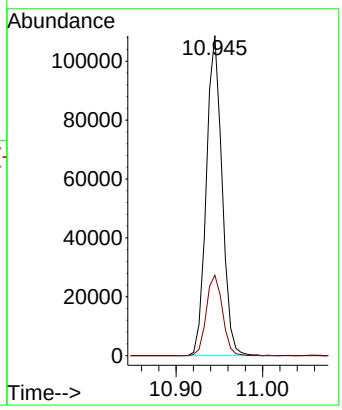
Tgt Ion:105 Resp: 13663

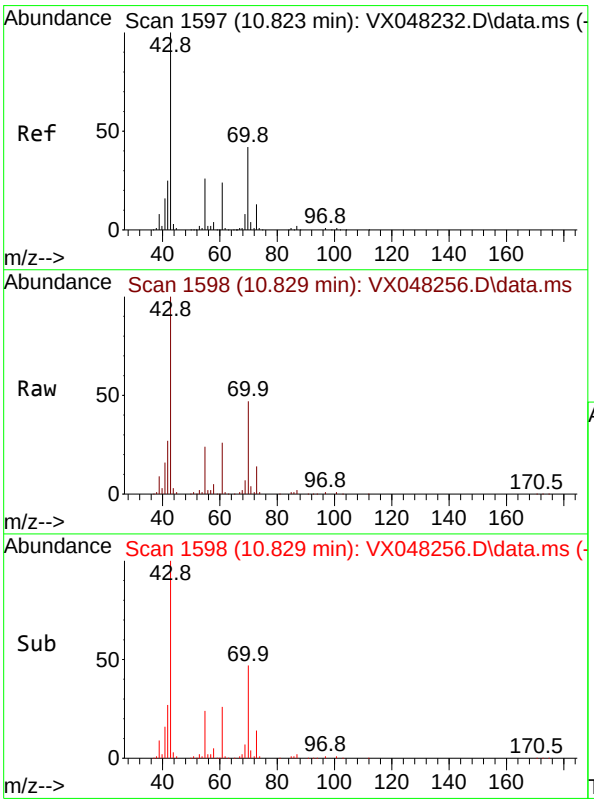
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

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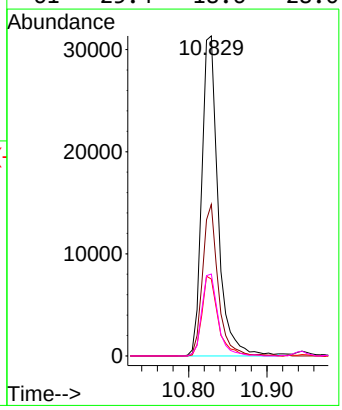


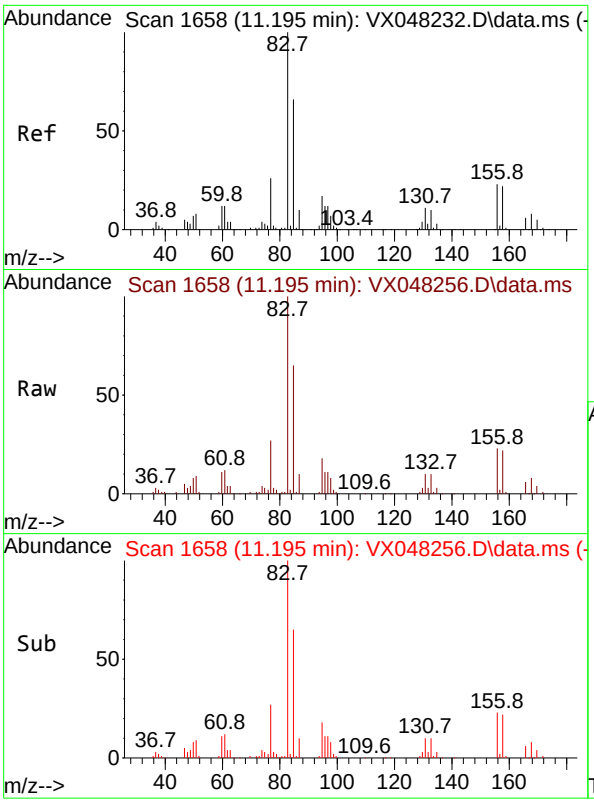


#74
N-amyl acetate
Concen: 17.261 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 43 Resp: 45310

Ion	Ratio	Lower	Upper
43	100		
70	45.0	32.2	48.2
55	24.9	19.1	28.7
61	25.4	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 18.401 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

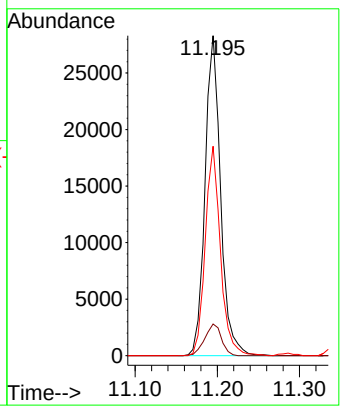
Tgt Ion: 83 Resp: 3718

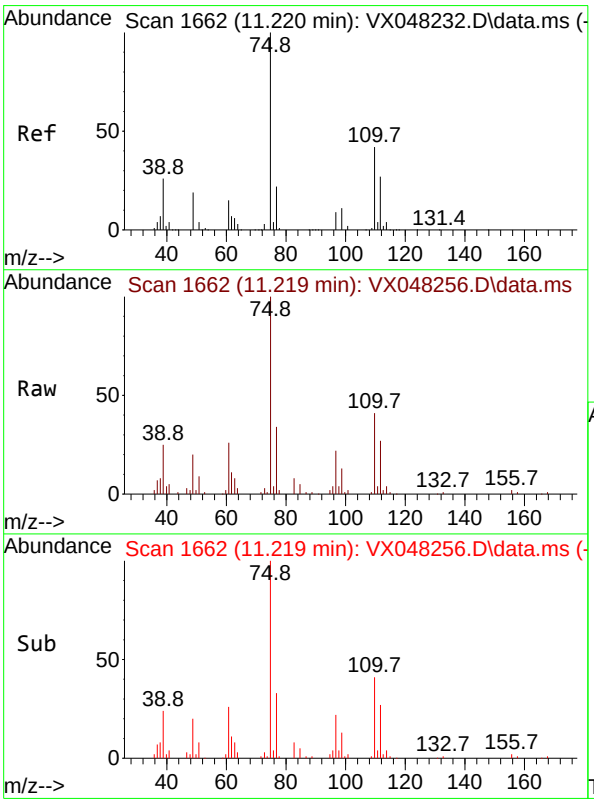
Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.8	14.4
85	64.0	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

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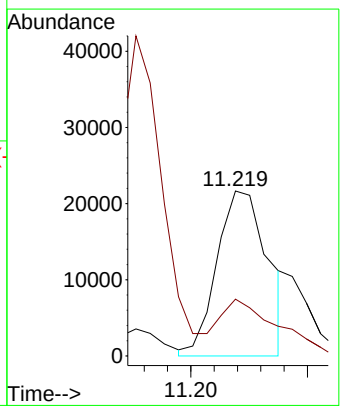


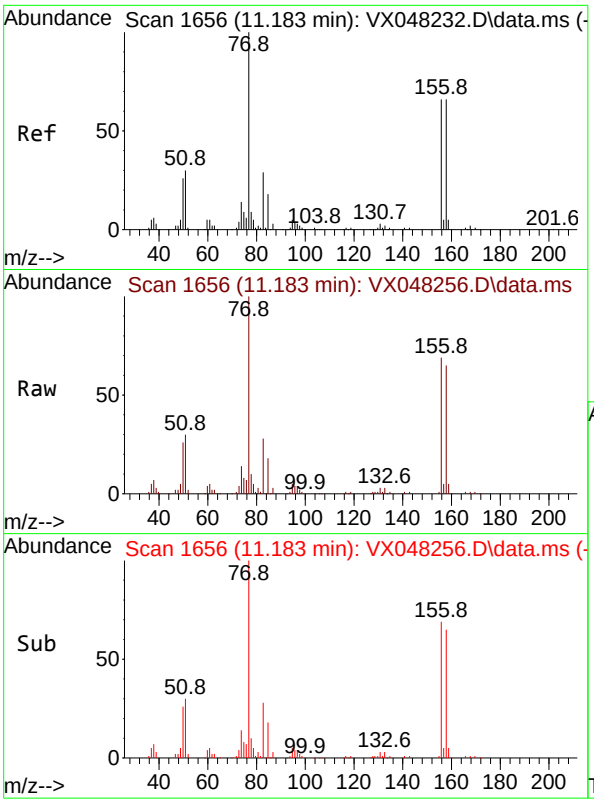


#76
1,2,3-Trichloropropane
Concen: 20.032 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 75 Resp: 32912

Ion	Ratio	Lower	Upper
75	100		
77	38.5	22.4	67.2

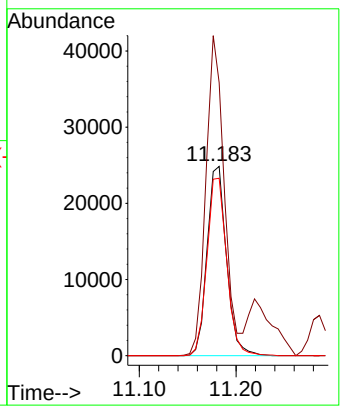




#77
Bromobenzene
Concen: 18.615 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:156 Resp: 3454

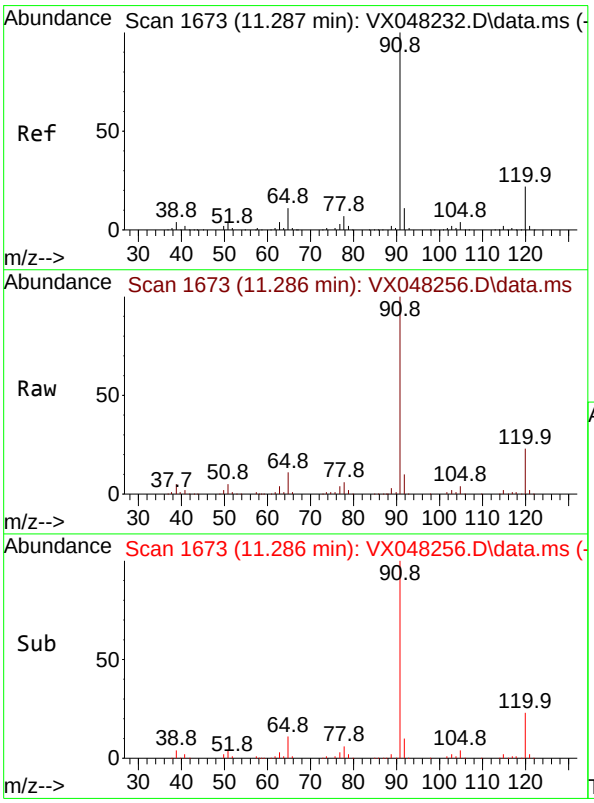
Ion	Ratio	Lower	Upper
156	100		
77	161.0	87.0	261.0
158	96.2	47.8	143.4



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

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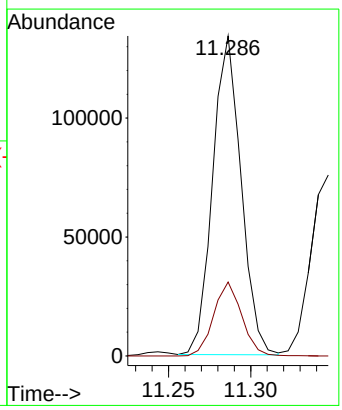
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

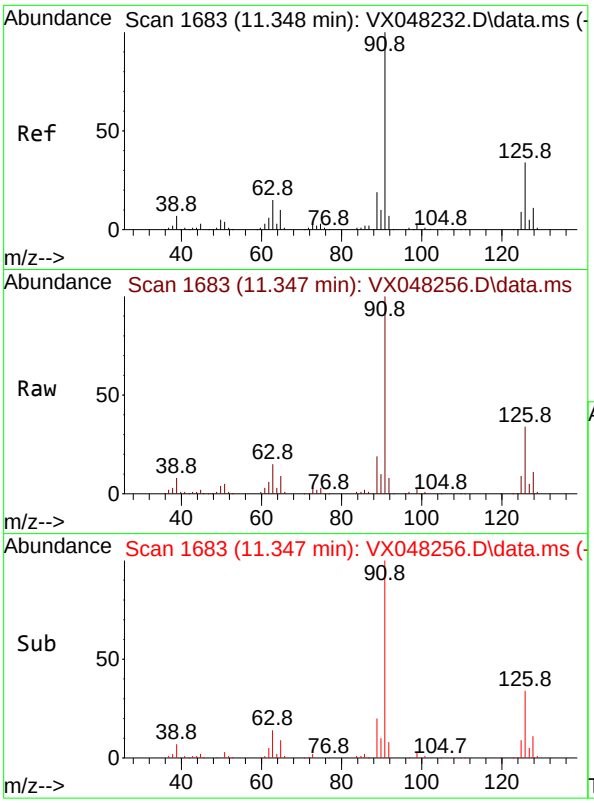


#78
n-propylbenzene
Concen: 18.753 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 91 Resp: 160675

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.1	33.1





#79
2-Chlorotoluene
Concen: 18.767 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

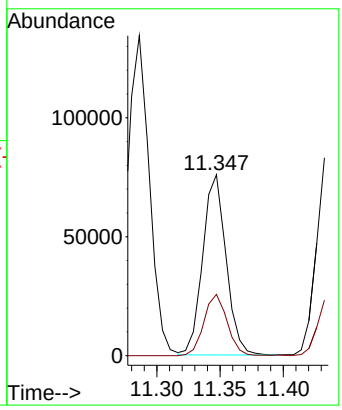
Tgt Ion: 91 Resp: 9749

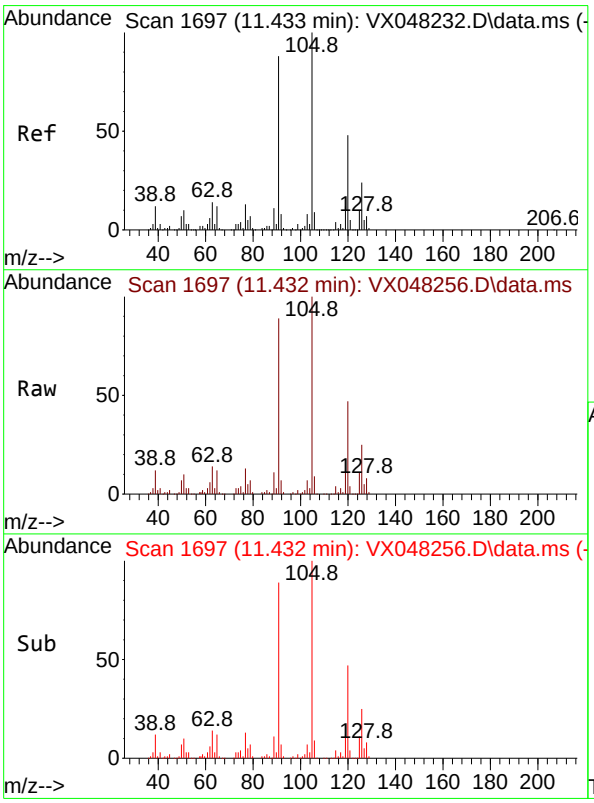
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

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Reviewed By :John Carlone 10/24/2025
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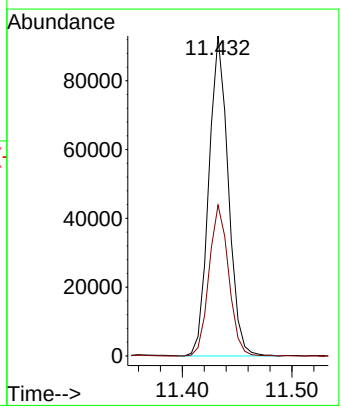


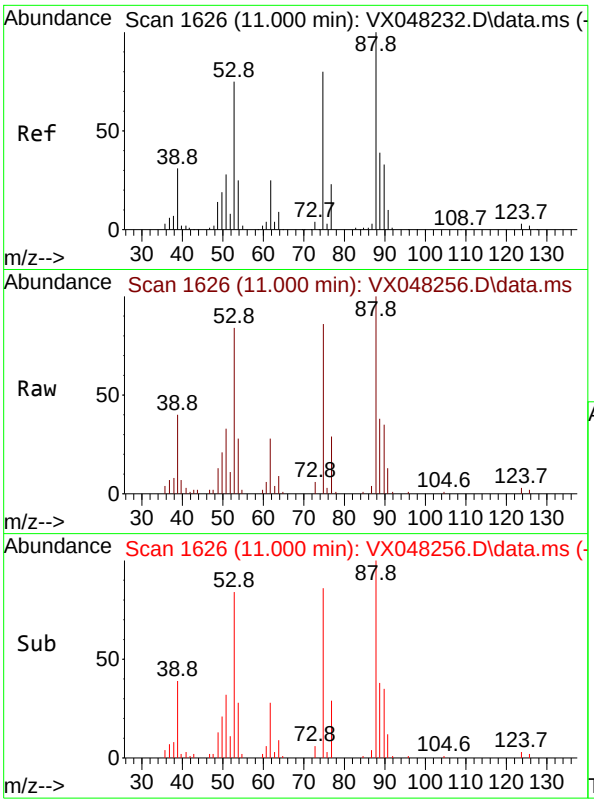


#80
1,3,5-Trimethylbenzene
Concen: 18.700 ug/l
RT: 11.432 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:105 Resp: 114521

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 17.134 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

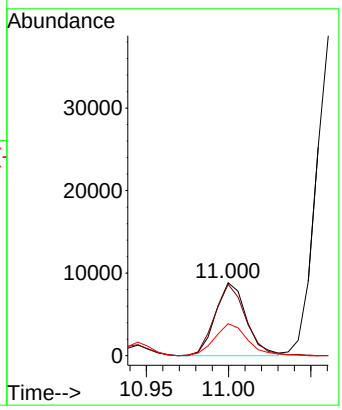
Tgt Ion: 75 Resp: 1157

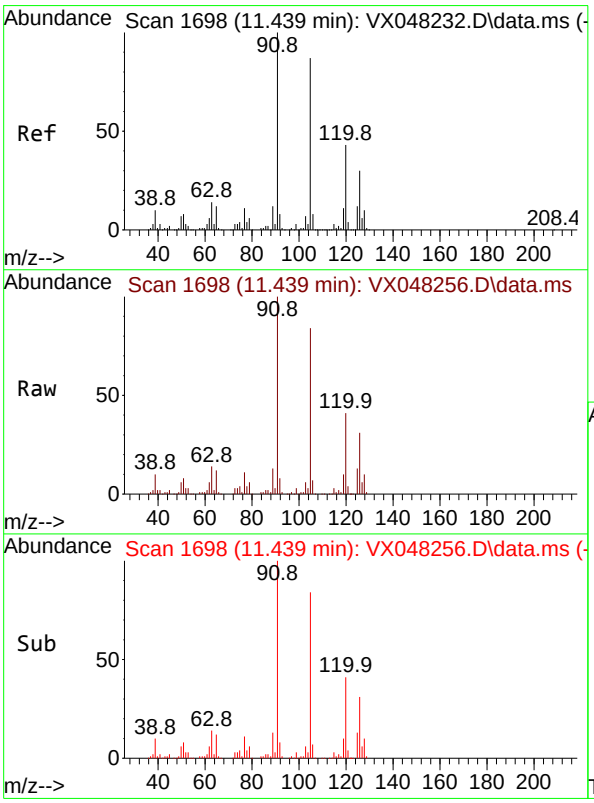
Ion	Ratio	Lower	Upper
75	100		
53	98.9	79.5	119.3
89	46.7	36.8	55.2

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

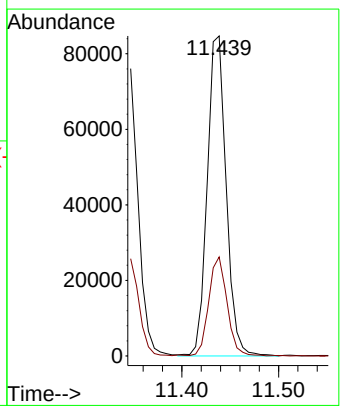


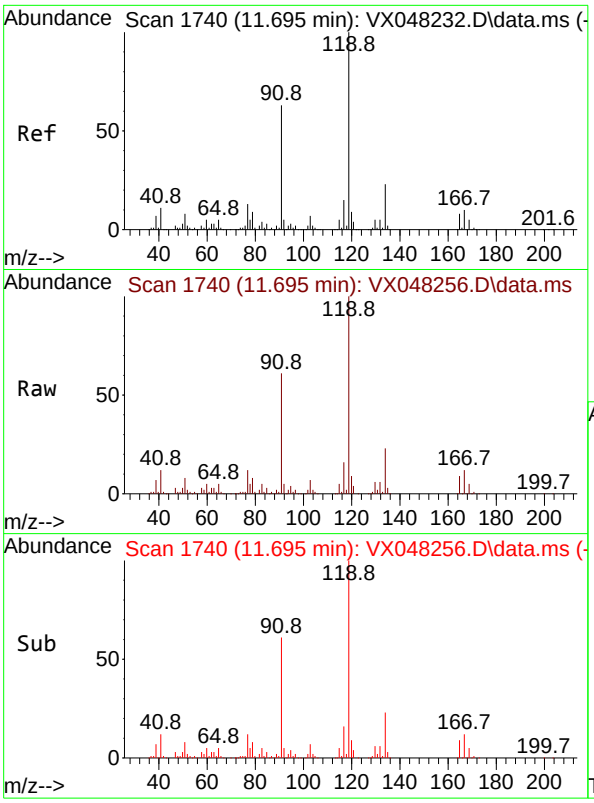


#82
4-Chlorotoluene
Concen: 18.713 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 91 Resp: 115393

Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.1	42.4





#83
tert-Butylbenzene
Concen: 18.651 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

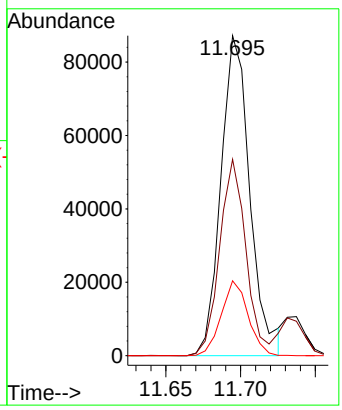
Tgt Ion:119 Resp: 11735

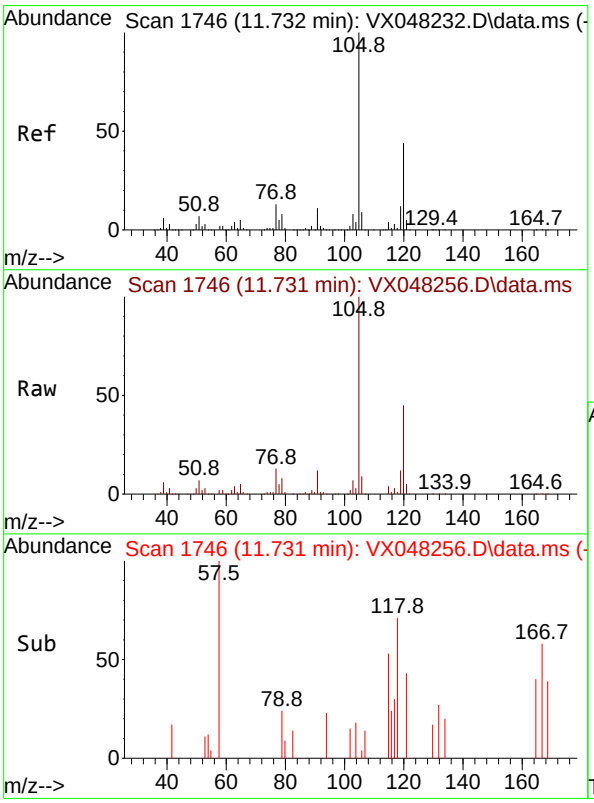
Ion	Ratio	Lower	Upper
119	100		
91	55.7	30.3	91.0
134	21.8	11.4	34.2

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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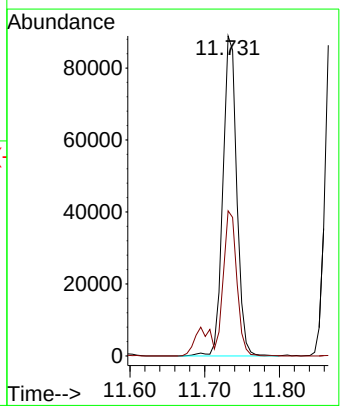


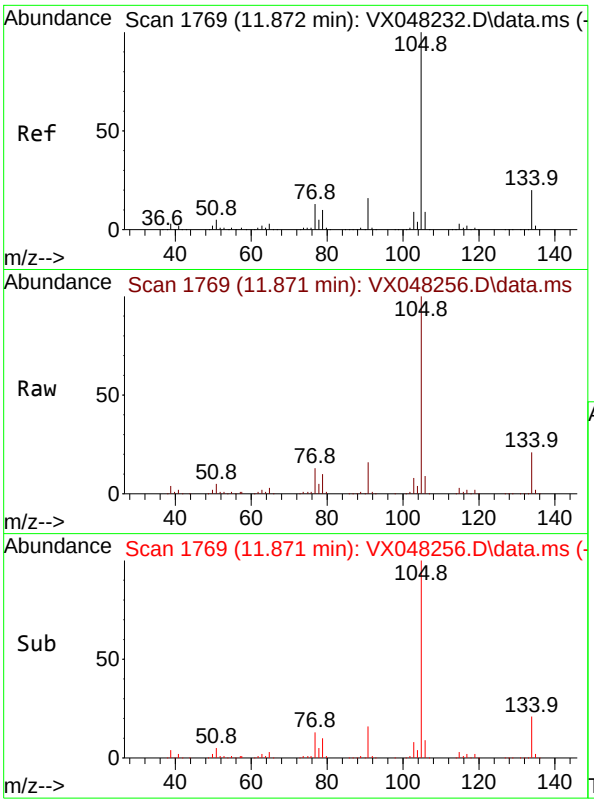


#84
1,2,4-Trimethylbenzene
Concen: 18.745 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:105 Resp: 114561

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5

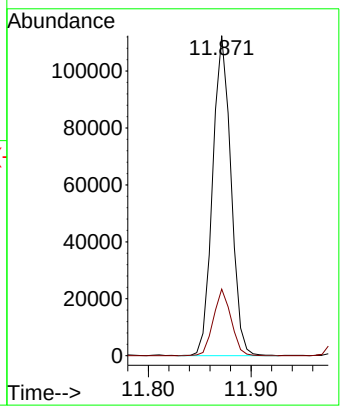




#85
sec-Butylbenzene
Concen: 18.364 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:105 Resp: 13901

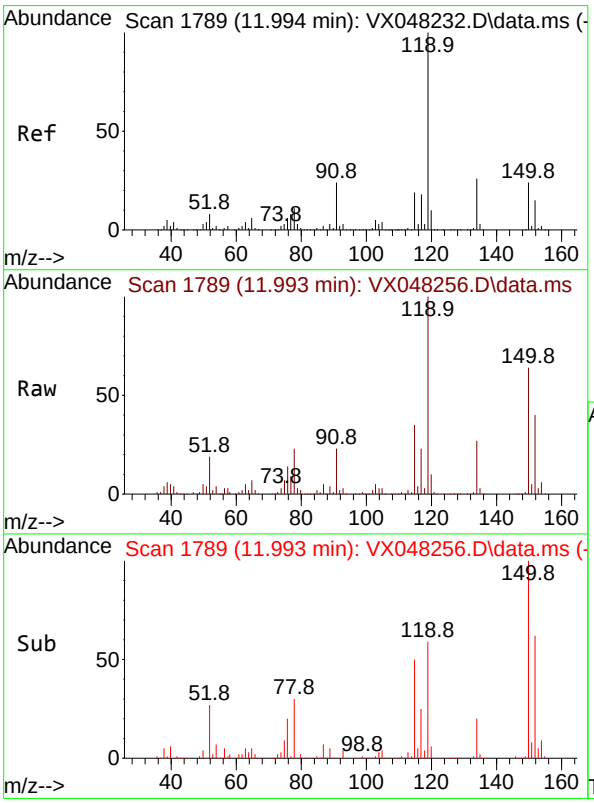
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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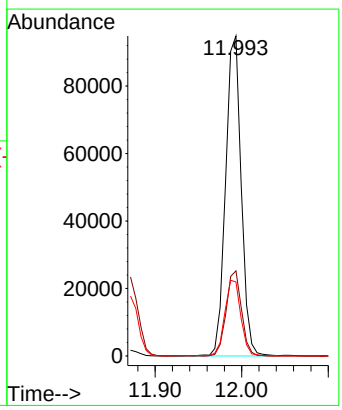
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

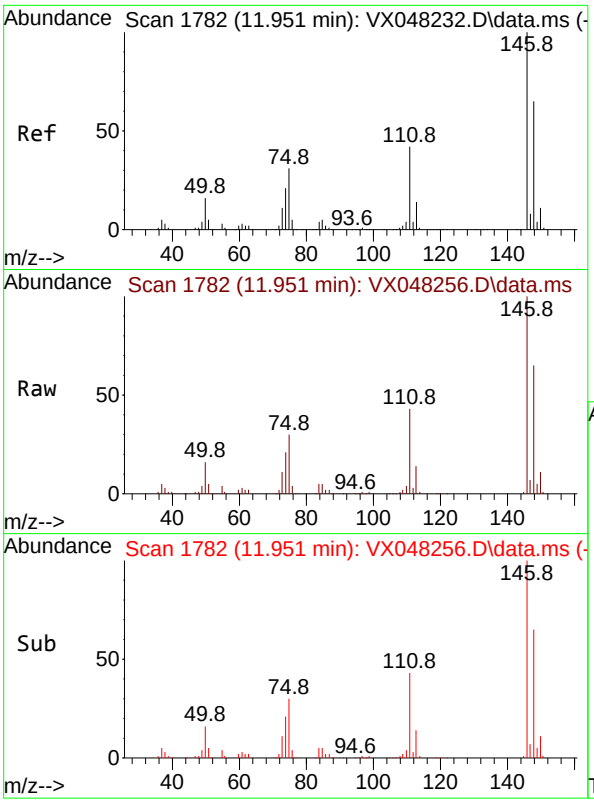


#86
p-Isopropyltoluene
Concen: 18.135 ug/l
RT: 11.993 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:119 Resp: 118663

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	24.2	12.1	36.3

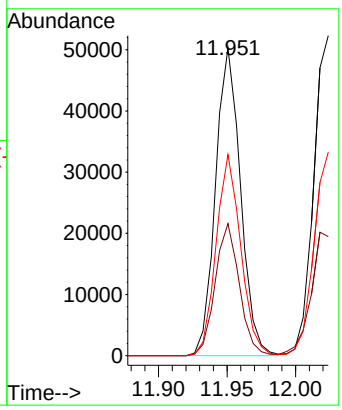




#87
1,3-Dichlorobenzene
Concen: 18.219 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:146 Resp: 6373

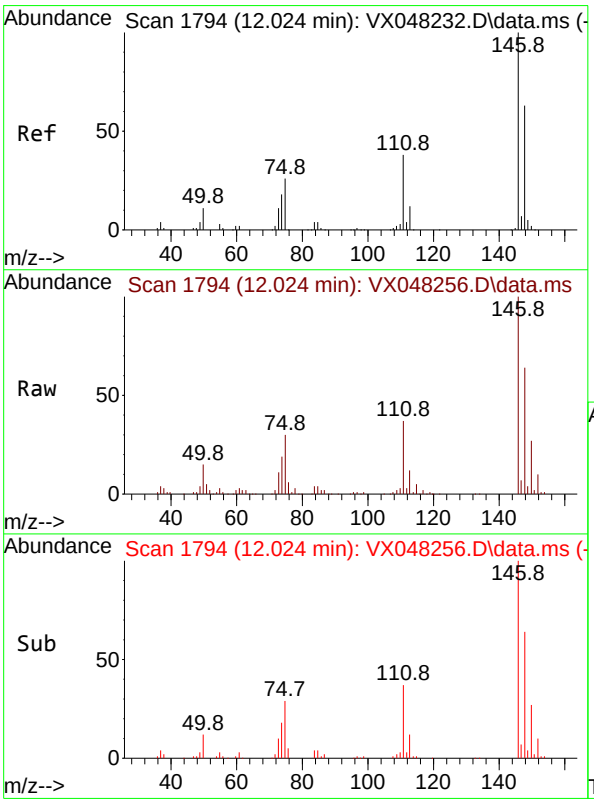
Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.4	61.2
148	64.5	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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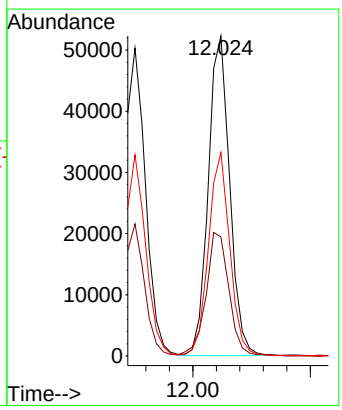
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

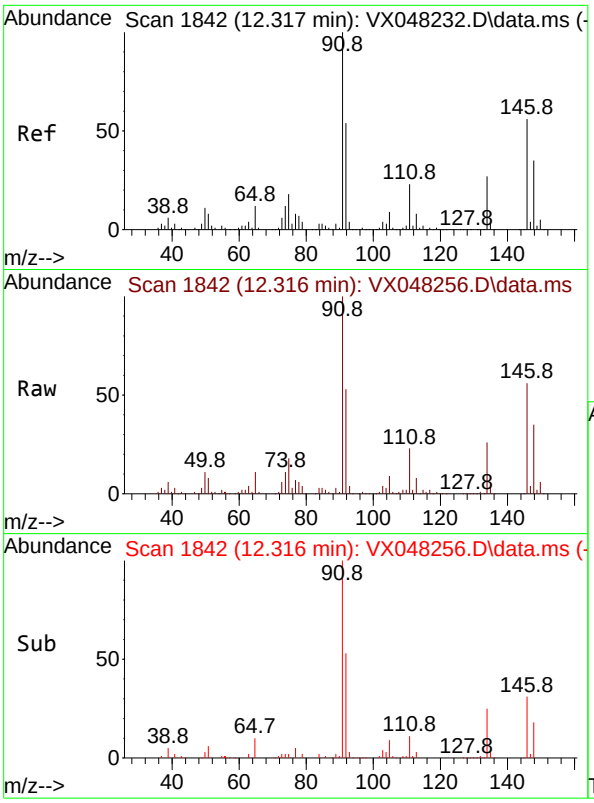


#88
1,4-Dichlorobenzene
Concen: 18.203 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:146 Resp: 65963

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.1	60.2
148	63.9	31.8	95.3





#89
n-Butylbenzene
Concen: 17.834 ug/l
RT: 12.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

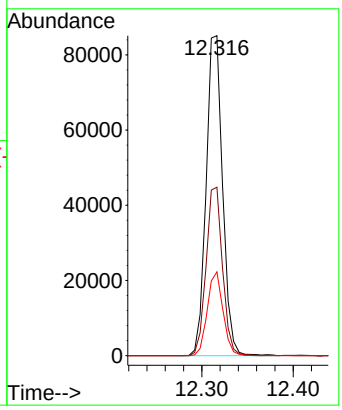
Tgt Ion: 91 Resp: 10621

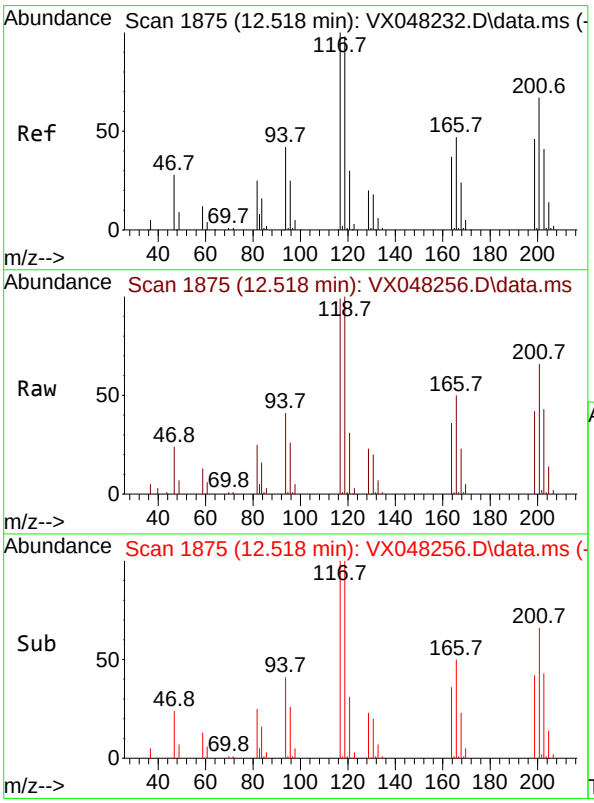
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.9	80.6
134	24.9	12.7	38.1

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

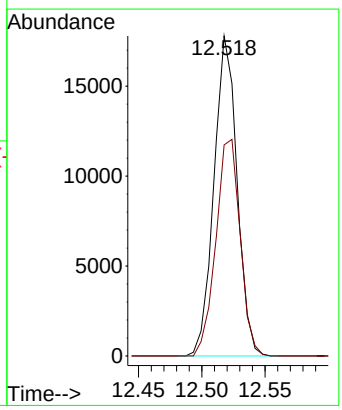


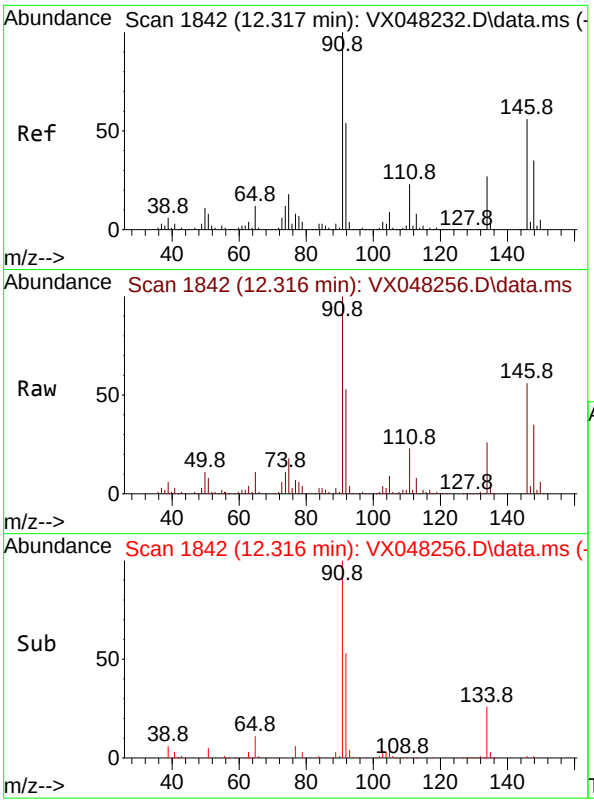


#90
Hexachloroethane
Concen: 17.435 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:117 Resp: 22528

Ion	Ratio	Lower	Upper
117	100		
201	71.4	34.1	102.2

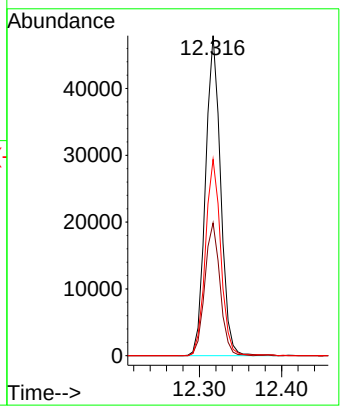




#91
1,2-Dichlorobenzene
Concen: 18.612 ug/l
RT: 12.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:146 Resp: 6112

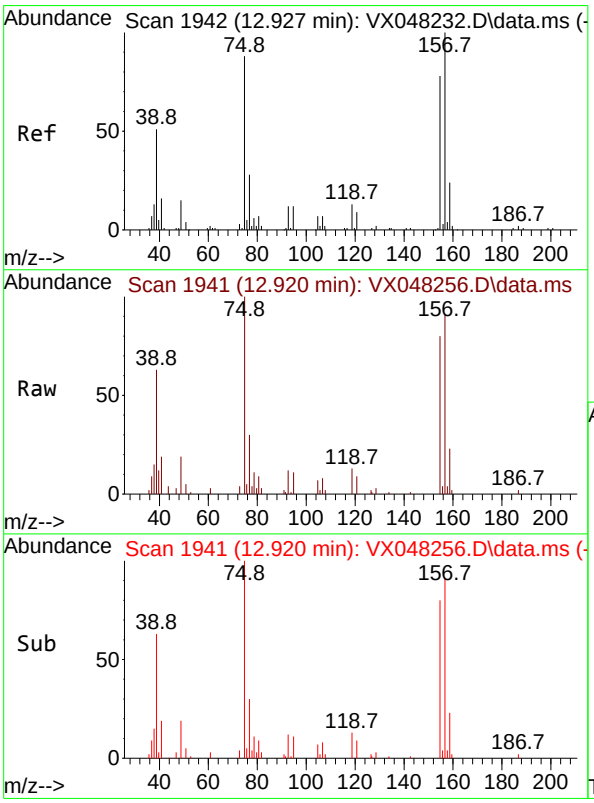
Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.9	65.5
148	62.2	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
APPROVED

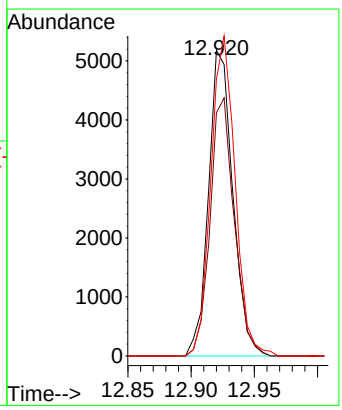
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

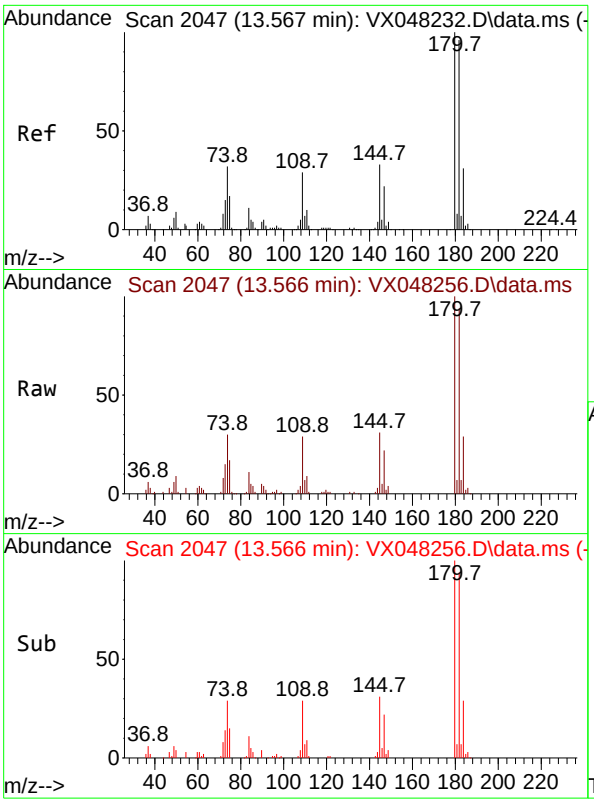


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.899 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion: 75 Resp: 6932

Ion	Ratio	Lower	Upper
75	100		
155	83.9	42.8	128.4
157	104.3	54.2	162.6





#93
1,2,4-Trichlorobenzene
Concen: 16.758 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

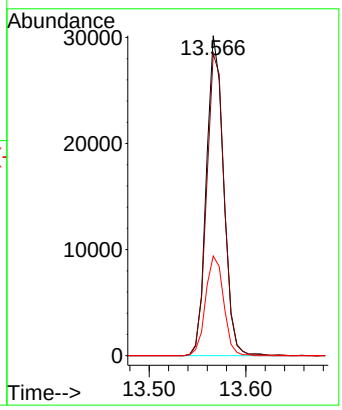
Tgt Ion:180 Resp: 3721

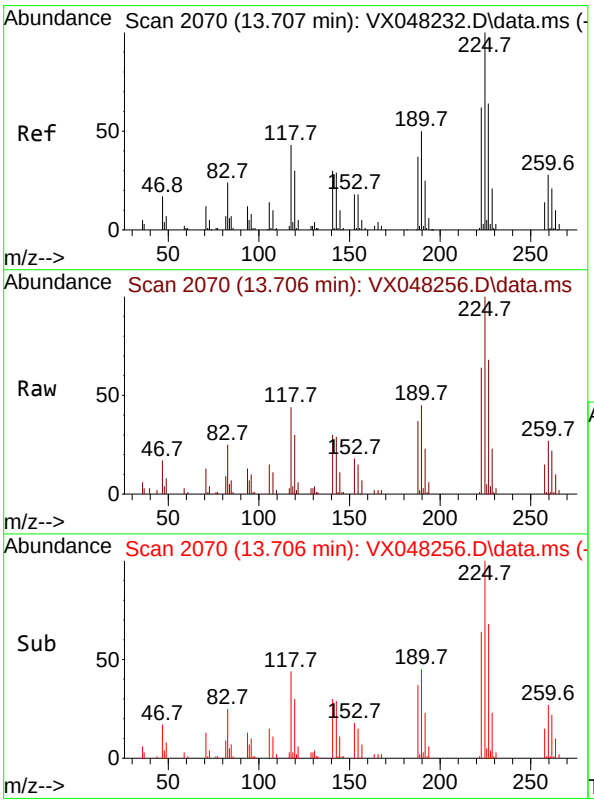
Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.3	142.0
145	32.7	16.3	48.9

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

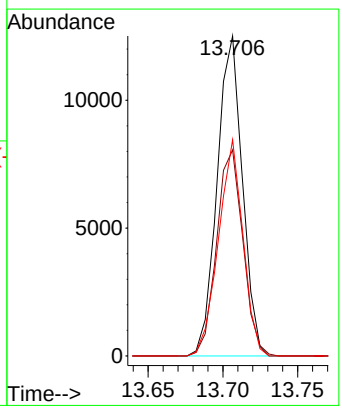


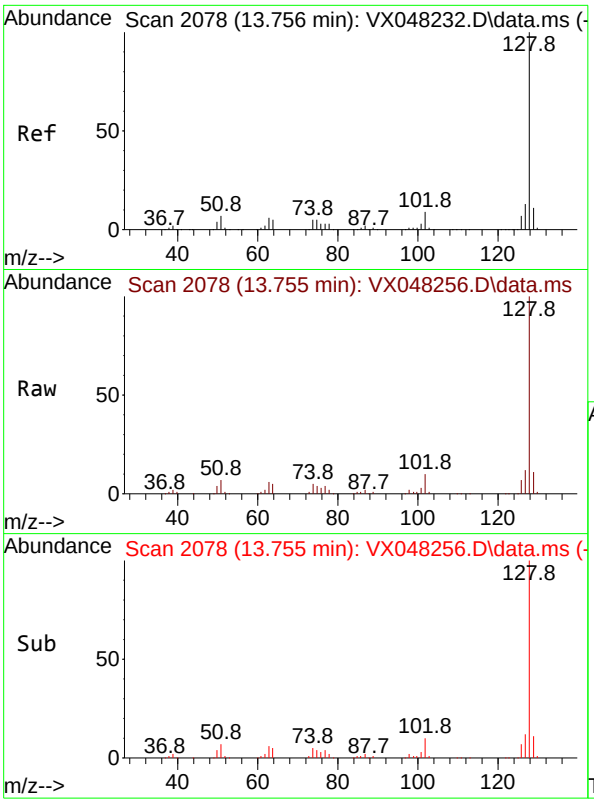


#94
Hexachlorobutadiene
Concen: 17.706 ug/l
RT: 13.706 min Scan# 2070
Delta R.T. 0.005 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:225 Resp: 14700

Ion	Ratio	Lower	Upper
225	100		
223	67.0	32.6	97.7
227	65.7	32.5	97.4

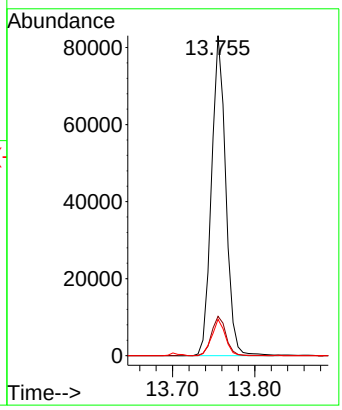




#95
Naphthalene
Concen: 17.005 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:128 Resp: 10005

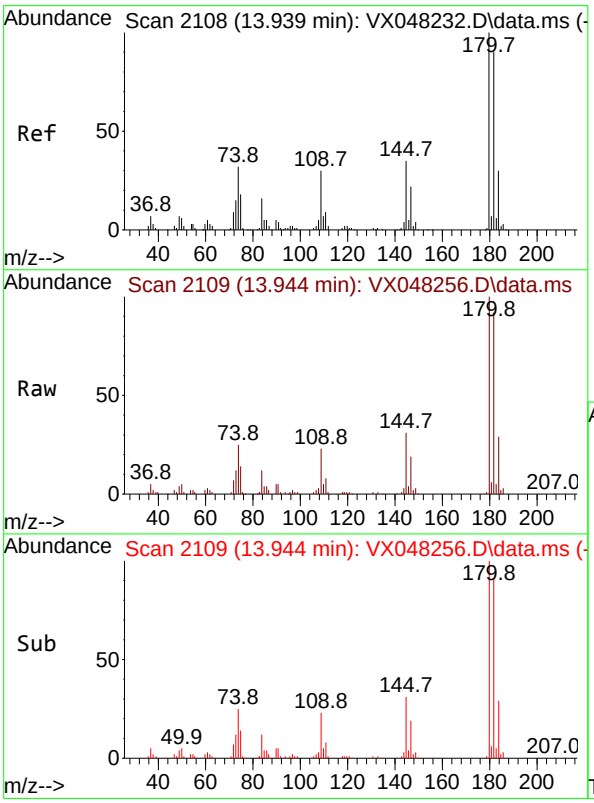
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Manual Integrations
APPROVED

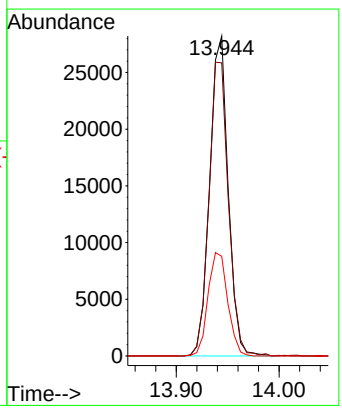
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.277 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048256.D
Acq: 21 Oct 2025 10:33

Tgt Ion:180 Resp: 35212

Ion	Ratio	Lower	Upper
180	100		
182	96.8	46.6	139.7
145	34.4	16.9	50.7



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Manual Integration Report

Sequence:	VW100125	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW032313.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:08 AM	SAM	10/3/2025 2:31:09 AM	Peak Integrated by Software
VSTDICC010	VW032314.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:10 AM	SAM	10/3/2025 2:31:10 AM	Peak Integrated by Software
VSTDICC020	VW032315.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:11 AM	SAM	10/3/2025 2:31:12 AM	Peak Integrated by Software
VSTDICCC050	VW032316.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:13 AM	SAM	10/3/2025 2:31:13 AM	Peak Integrated by Software
VSTDICC100	VW032317.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:14 AM	SAM	10/3/2025 2:31:14 AM	Peak Integrated by Software
VSTDICC150	VW032318.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:16 AM	SAM	10/3/2025 2:31:16 AM	Peak Integrated by Software
VSTDICV050	VW032320.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:18 AM	SAM	10/3/2025 2:31:17 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VW102025	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032378.D	1,2,3-Trichloropropane	Amit	10/21/2025 12:23:15 PM	sam	10/21/2025 12:57:29 PM	Peak Integrated by Software
VW1020SBS01	VW032380.D	1,2,3-Trichloropropane	Amit	10/21/2025 12:23:18 PM	sam	10/21/2025 12:57:35 PM	Peak Integrated by Software
VW1020SBSD01	VW032381.D	1,2,3-Trichloropropane	Amit	10/21/2025 12:23:24 PM	sam	10/21/2025 12:57:45 PM	Peak Integrated by Software
Q3376-01	VW032388.D	o-Xylene	Amit	10/28/2025 8:17:02 AM	MMDadoda	10/28/2025 8:17:38 AM	Peak Integrated by Software
Q3376-03	VW032390.D	Methylcyclohexane	Amit	10/21/2025 12:23:28 PM	sam	10/21/2025 12:57:54 PM	Peak Integrated by Software
Q3376-04	VW032391.D	Methylcyclohexane	Amit	10/21/2025 12:23:31 PM	sam	10/21/2025 12:58:01 PM	Peak Integrated by Software
VSTDCCC050	VW032403.D	1,2,3-Trichloropropane	Amit	10/21/2025 12:24:06 PM	sam	10/21/2025 12:58:11 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX102025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX048229.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDICC001	VX048229.D	1,4-Dichlorobenzene	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDICC001	VX048229.D	Carbon Tetrachloride	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDICC001	VX048229.D	Ethyl Acetate	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDICC001	VX048229.D	Methacrylonitrile	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDICC020	VX048231.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:30 AM	sam	10/21/2025 10:41:32 AM	Peak Integrated by Software
VSTDICCC050	VX048232.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:35 AM	sam	10/21/2025 10:41:38 AM	Peak Integrated by Software
VSTDICC100	VX048233.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:40 AM	sam	10/21/2025 10:42:36 AM	Peak Integrated by Software
VSTDICC150	VX048234.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:49 AM	sam	10/21/2025 10:43:04 AM	Peak Integrated by Software
VSTDICC005	VX048236.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:55 AM	sam	10/21/2025 10:41:42 AM	Peak Integrated by Software
VSTDICC005	VX048236.D	Ethyl Acetate	JOHN	10/21/2025 8:03:55 AM	sam	10/21/2025 10:41:42 AM	Peak Integrated by Software
VSTDICC005	VX048236.D	Methacrylonitrile	JOHN	10/21/2025 8:03:55 AM	sam	10/21/2025 10:41:42 AM	Peak Integrated by Software
VSTDICV050	VX048237.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:59 AM	sam	10/21/2025 10:41:51 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX102025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048250.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:04:26 AM	sam	10/21/2025 10:42:06 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	Vx102125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048252.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:49:54 AM	MMDadoda	10/24/2025 2:32:07 PM	Peak Integrated by Software
VX1021WBS01	VX048255.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:50:00 AM	MMDadoda	10/24/2025 2:32:10 PM	Peak Integrated by Software
VX1021WBSD01	VX048256.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:50:04 AM	MMDadoda	10/24/2025 2:32:14 PM	Peak Integrated by Software
VSTDCCC050	VX048278.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:50:16 AM	MMDadoda	10/24/2025 2:32:21 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY100725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023384.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC005	VY023384.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC005	VY023384.D	Methacrylonitrile	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC010	VY023385.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:52 AM	MMdadoda	10/10/2025 4:37:33 AM	Peak Integrated by Software
VSTDICC010	VY023385.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:52 AM	MMdadoda	10/10/2025 4:37:33 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	Methacrylonitrile	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICCC050	VY023387.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:01 AM	MMdadoda	10/10/2025 4:37:41 AM	Peak Integrated by Software
VSTDICC100	VY023388.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:05 AM	MMdadoda	10/10/2025 4:37:46 AM	Peak Integrated by Software
VSTDICC150	VY023389.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:09 AM	MMdadoda	10/10/2025 4:37:51 AM	Peak Integrated by Software
VSTDICV050	VY023391.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:14 AM	MMdadoda	10/10/2025 4:37:55 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY100725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	VY102125	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023521.D	1,2,3-Trichloropropane	Amit	10/24/2025 11:55:48 AM	MMDadoda	10/27/2025 7:57:12 AM	Peak Integrated by Software
VY1021SBS01	VY023523.D	1,2,3-Trichloropropane	Amit	10/24/2025 11:55:53 AM	MMDadoda	10/27/2025 7:57:16 AM	Peak Integrated by Software
VY1021SBS01	VY023523.D	Methacrylonitrile	Amit	10/24/2025 11:55:53 AM	MMDadoda	10/27/2025 7:57:16 AM	Peak Integrated by Software

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW100125

Review By	Mahesh Dadoda	Review On	10/3/2025 2:27:29 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/3/2025 2:31:29 AM				
SubDirectory	VW100125	HP Acquire Method	MSVOA_W	HP Processing Method	82w100125s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135712
Initial Calibration Stds	VP135713,VP135714,VP135715,VP135716,VP135717,VP135718
CCC	
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	VW032312.D	01 Oct 2025 08:12	SY/MD	Ok
2	VSTDICC005	VW032313.D	01 Oct 2025 13:12	SY/MD	Ok,M
3	VSTDICC010	VW032314.D	01 Oct 2025 13:34	SY/MD	Ok,M
4	VSTDICC020	VW032315.D	01 Oct 2025 14:15	SY/MD	Ok,M
5	VSTDICCC050	VW032316.D	01 Oct 2025 14:37	SY/MD	Ok,M
6	VSTDICC100	VW032317.D	01 Oct 2025 14:59	SY/MD	Ok,M
7	VSTDICC150	VW032318.D	01 Oct 2025 15:20	SY/MD	Ok,M
8	VIBLK	VW032319.D	01 Oct 2025 15:42	SY/MD	Ok
9	VSTDICV050	VW032320.D	01 Oct 2025 16:04	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW102025

Review By	Semsettin Yesilyurt	Review On	10/21/2025 1:05:25 PM				
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 8:11:29 AM				
SubDirectory	VW102025	HP Acquire Method	MSVOA_W	HP Processing Method	82w100125s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135844
Initial Calibration Stds	
CCC	VP135847,VP135848
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	VW032377.D	20 Oct 2025 09:36	SY/MD	Ok
2	VSTDCCC050	VW032378.D	20 Oct 2025 10:20	SY/MD	Ok,M
3	VW1020SBL01	VW032379.D	20 Oct 2025 11:11	SY/MD	Ok
4	VW1020SBS01	VW032380.D	20 Oct 2025 11:41	SY/MD	Ok,M
5	VW1020SBSD01	VW032381.D	20 Oct 2025 12:03	SY/MD	Ok,M
6	Q3363-05	VW032382.D	20 Oct 2025 12:44	SY/MD	Ok
7	Q3375-01	VW032383.D	20 Oct 2025 13:07	SY/MD	Ok
8	Q3375-02	VW032384.D	20 Oct 2025 13:29	SY/MD	Ok
9	Q3375-03	VW032385.D	20 Oct 2025 13:50	SY/MD	Ok
10	Q3375-04	VW032386.D	20 Oct 2025 14:12	SY/MD	Ok
11	Q3375-05	VW032387.D	20 Oct 2025 14:34	SY/MD	Ok
12	Q3376-01	VW032388.D	20 Oct 2025 14:56	SY/MD	Ok,M
13	Q3376-02	VW032389.D	20 Oct 2025 15:18	SY/MD	ReRun
14	Q3376-03	VW032390.D	20 Oct 2025 15:40	SY/MD	Ok,M
15	Q3376-04	VW032391.D	20 Oct 2025 16:02	SY/MD	Ok,M
16	Q3376-05	VW032392.D	20 Oct 2025 16:24	SY/MD	Ok
17	Q3393-01	VW032393.D	20 Oct 2025 16:46	SY/MD	Ok
18	Q3393-02	VW032394.D	20 Oct 2025 17:08	SY/MD	Ok,M
19	Q3393-03	VW032395.D	20 Oct 2025 17:29	SY/MD	ReRun
20	Q3395-01	VW032396.D	20 Oct 2025 17:51	SY/MD	Ok
21	Q3395-02	VW032397.D	20 Oct 2025 18:14	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW102025

Review By	Semsettin Yesilyurt	Review On	10/21/2025 1:05:25 PM				
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 8:11:29 AM				
SubDirectory	VW102025	HP Acquire Method	MSVOA_W	HP Processing Method	82w100125s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135844
Initial Calibration Stds	
CCC	VP135847,VP135848
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3395-05	VW032398.D	20 Oct 2025 18:36	SY/MD	Ok,M
23	Q3395-07	VW032399.D	20 Oct 2025 18:58	SY/MD	Ok
24	Q3395-03MS	VW032400.D	20 Oct 2025 19:20	SY/MD	ReRun
25	Q3395-04MSD	VW032401.D	20 Oct 2025 19:42	SY/MD	ReRun
26	VIBLK	VW032402.D	20 Oct 2025 20:04	SY/MD	Ok
27	VSTDCCC050	VW032403.D	20 Oct 2025 20:26	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102025

Review By	John Carlone	Review On	10/21/2025 8:15:04 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/21/2025 10:44:02 AM		
SubDirectory	VX102025	HP Acquire Method		HP Processing Method	82X102025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135849
Initial Calibration Stds	VP135851,VP135852,VP135853,VP135854,VP135855,VP135856
CCC	VP135850
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048226.D	20 Oct 2025 08:15	JC/MD	Ok
2	VSTDCCC050	VX048227.D	20 Oct 2025 10:13	JC/MD	Ok
3	IBLK	VX048228.D	20 Oct 2025 10:38	JC/MD	Not Ok
4	VSTDICC001	VX048229.D	20 Oct 2025 10:59	JC/MD	Ok,M
5	VSTDICC005	VX048230.D	20 Oct 2025 11:20	JC/MD	Not Ok
6	VSTDICC020	VX048231.D	20 Oct 2025 11:40	JC/MD	Ok,M
7	VSTDICCC050	VX048232.D	20 Oct 2025 12:01	JC/MD	Ok,M
8	VSTDICC100	VX048233.D	20 Oct 2025 12:22	JC/MD	Ok,M
9	VSTDICC150	VX048234.D	20 Oct 2025 12:43	JC/MD	Ok,M
10	IBLK	VX048235.D	20 Oct 2025 13:04	JC/MD	Ok
11	VSTDICC005	VX048236.D	20 Oct 2025 13:49	JC/MD	Ok,M
12	VSTDICV050	VX048237.D	20 Oct 2025 14:28	JC/MD	Ok,M
13	VX1020MBL01	VX048238.D	20 Oct 2025 14:56	JC/MD	Ok
14	VX1020WBL01	VX048239.D	20 Oct 2025 15:23	JC/MD	Ok
15	VX1020WBS01	VX048240.D	20 Oct 2025 15:50	JC/MD	Ok,M
16	Q3371-03	VX048241.D	20 Oct 2025 16:18	JC/MD	ReRun
17	Q3371-06	VX048242.D	20 Oct 2025 16:38	JC/MD	ReRun
18	Q3371-01	VX048243.D	20 Oct 2025 16:59	JC/MD	ReRun
19	Q3371-02	VX048244.D	20 Oct 2025 17:20	JC/MD	ReRun
20	Q3371-04	VX048245.D	20 Oct 2025 17:41	JC/MD	Ok
21	Q3371-05	VX048246.D	20 Oct 2025 18:02	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102025

Review By	John Carlone	Review On	10/21/2025 8:15:04 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/21/2025 10:44:02 AM		
SubDirectory	VX102025	HP Acquire Method		HP Processing Method	82X102025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135849
Initial Calibration Stds	VP135851,VP135852,VP135853,VP135854,VP135855,VP135856
CCC	VP135850
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VX1020WBSD01	VX048247.D	20 Oct 2025 18:22	JC/MD	Ok,M
23	VX1020MBS01	VX048248.D	20 Oct 2025 18:43	JC/MD	Ok,M
24	Q3390-01	VX048249.D	20 Oct 2025 19:04	JC/MD	Ok
25	VSTDCCC050	VX048250.D	20 Oct 2025 19:25	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102125

Review By	John Carlone	Review On	10/23/2025 1:52:10 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/24/2025 2:32:28 PM		
SubDirectory	VX102125	HP Acquire Method		HP Processing Method	82X102025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135868
Initial Calibration Stds	
CCC	VP135869,VP135870
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048251.D	21 Oct 2025 08:12	JC/MD	Ok
2	VSTDCCC050	VX048252.D	21 Oct 2025 08:43	JC/MD	Ok,M
3	VX1021MBL01	VX048253.D	21 Oct 2025 09:12	JC/MD	Ok
4	VX1021WBL01	VX048254.D	21 Oct 2025 09:40	JC/MD	Ok
5	VX1021WBS01	VX048255.D	21 Oct 2025 10:06	JC/MD	Ok,M
6	VX1021WBSD01	VX048256.D	21 Oct 2025 10:33	JC/MD	Ok,M
7	Q3371-03	VX048257.D	21 Oct 2025 10:54	JC/MD	Ok
8	Q3371-01	VX048258.D	21 Oct 2025 11:15	JC/MD	Ok
9	Q3371-02	VX048259.D	21 Oct 2025 11:35	JC/MD	Ok
10	Q3371-06	VX048260.D	21 Oct 2025 11:56	JC/MD	Ok
11	Q3413-02	VX048261.D	21 Oct 2025 12:17	JC/MD	Ok
12	PB170148TB	VX048262.D	21 Oct 2025 12:37	JC/MD	Ok
13	Q3369-04	VX048263.D	21 Oct 2025 12:58	JC/MD	Ok
14	Q3369-08	VX048264.D	21 Oct 2025 13:19	JC/MD	Ok
15	Q3374-04	VX048265.D	21 Oct 2025 13:40	JC/MD	Ok,M
16	Q3374-08	VX048266.D	21 Oct 2025 14:00	JC/MD	Ok
17	Q3381-02	VX048267.D	21 Oct 2025 14:21	JC/MD	Ok
18	Q3381-04	VX048268.D	21 Oct 2025 14:42	JC/MD	Ok
19	Q3381-06	VX048269.D	21 Oct 2025 15:02	JC/MD	Ok
20	Q3381-08	VX048270.D	21 Oct 2025 15:23	JC/MD	Ok
21	Q3392-04	VX048271.D	21 Oct 2025 15:44	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102125

Review By	John Carlone	Review On	10/23/2025 1:52:10 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/24/2025 2:32:28 PM		
SubDirectory	VX102125	HP Acquire Method		HP Processing Method	82X102025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135868
Initial Calibration Stds	
CCC	VP135869,VP135870
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3392-08	VX048272.D	21 Oct 2025 16:04	JC/MD	Ok
23	IBLK	VX048273.D	21 Oct 2025 16:25	JC/MD	Ok
24	Q3400-01	VX048274.D	21 Oct 2025 16:46	JC/MD	Ok
25	Q3361-01DL	VX048275.D	21 Oct 2025 17:07	JC/MD	Ok
26	IBLK	VX048276.D	21 Oct 2025 17:27	JC/MD	Ok
27	Q3376-07	VX048277.D	21 Oct 2025 17:48	JC/MD	Ok
28	VSTDCCC050	VX048278.D	21 Oct 2025 18:09	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:00:22 AM				
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:02 AM				
SubDirectory	VY100725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135766
Initial Calibration Stds	VP135767,VP135768,VP135769,VP135770,VP135771,VP135772
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135773
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023383.D	07 Oct 2025 08:43	SY/MD	Ok
2	VSTDICC005	VY023384.D	07 Oct 2025 09:17	SY/MD	Ok,M
3	VSTDICC010	VY023385.D	07 Oct 2025 10:02	SY/MD	Ok,M
4	VSTDICC020	VY023386.D	07 Oct 2025 11:24	SY/MD	Ok,M
5	VSTDICCC050	VY023387.D	07 Oct 2025 11:47	SY/MD	Ok,M
6	VSTDICC100	VY023388.D	07 Oct 2025 12:09	SY/MD	Ok,M
7	VSTDICC150	VY023389.D	07 Oct 2025 12:32	SY/MD	Ok,M
8	VIBLK	VY023390.D	07 Oct 2025 13:02	SY/MD	Ok
9	VSTDICV050	VY023391.D	07 Oct 2025 14:12	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102125

Review By	John Carlone	Review On	10/24/2025 2:07:04 PM				
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 7:57:33 AM				
SubDirectory	VY102125	HP Acquire Method	MSVOA_Y		HP Processing Method	82y100725s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP135871
Initial Calibration Stds	
CCC	VP135872,VP135873
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	VY023520.D	21 Oct 2025 08:29	SY/MD	Ok
2	VSTDCCC050	VY023521.D	21 Oct 2025 09:05	SY/MD	Ok,M
3	VY1021SBL01	VY023522.D	21 Oct 2025 09:34	SY/MD	Ok
4	VY1021SBS01	VY023523.D	21 Oct 2025 10:04	SY/MD	Ok,M
5	VY1021SBSD01	VY023524.D	21 Oct 2025 10:27	SY/MD	Ok,M
6	Q3383-01	VY023525.D	21 Oct 2025 11:03	SY/MD	Ok
7	Q3382-01	VY023526.D	21 Oct 2025 11:26	SY/MD	Ok
8	Q3386-01RE	VY023527.D	21 Oct 2025 11:50	SY/MD	Confirms
9	Q3376-02	VY023528.D	21 Oct 2025 12:14	SY/MD	Ok
10	Q3393-03	VY023529.D	21 Oct 2025 12:38	SY/MD	Ok
11	Q3402-01	VY023530.D	21 Oct 2025 13:04	SY/MD	Ok
12	Q3402-04	VY023531.D	21 Oct 2025 13:48	SY/MD	Ok
13	Q3402-07	VY023532.D	21 Oct 2025 14:12	SY/MD	Ok
14	Q3402-10	VY023533.D	21 Oct 2025 14:35	SY/MD	Ok
15	Q3399-03	VY023534.D	21 Oct 2025 14:59	SY/MD	Ok
16	Q3410-02	VY023535.D	21 Oct 2025 15:22	SY/MD	Ok
17	Q3403-03	VY023536.D	21 Oct 2025 15:47	SY/MD	Ok
18	Q3406-01	VY023537.D	21 Oct 2025 16:10	SY/MD	Ok
19	Q3413-01	VY023538.D	21 Oct 2025 16:34	SY/MD	Not Ok
20	Q3412-03	VY023539.D	21 Oct 2025 16:57	SY/MD	Ok
21	Q3404-01	VY023540.D	21 Oct 2025 17:21	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102125

Review By	John Carlone	Review On	10/24/2025 2:07:04 PM				
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 7:57:33 AM				
SubDirectory	VY102125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135871
Initial Calibration Stds	
CCC	VP135872,VP135873
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3395-03MS	VY023541.D	21 Oct 2025 17:44	SY/MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW100125

Review By	Mahesh Dadoda	Review On	10/3/2025 2:27:29 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/3/2025 2:31:29 AM		
SubDirectory	VW100125	HP Acquire Method	MSVOA_W	HP Processing Method	82w100125s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135712
Initial Calibration Stds	VP135713,VP135714,VP135715,VP135716,VP135717,VP135718
CCC	
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	VW032312.D	01 Oct 2025 08:12		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW032313.D	01 Oct 2025 13:12	Pass for DOD	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW032314.D	01 Oct 2025 13:34	LR-20	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW032315.D	01 Oct 2025 14:15		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW032316.D	01 Oct 2025 14:37		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW032317.D	01 Oct 2025 14:59		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW032318.D	01 Oct 2025 15:20		SY/MD	Ok,M
8	VIBLK	VIBLK	VW032319.D	01 Oct 2025 15:42		SY/MD	Ok
9	VSTDICV050	ICVVW100125	VW032320.D	01 Oct 2025 16:04		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW102025

Review By	Semsettin Yesilyurt	Review On	10/21/2025 1:05:25 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 8:11:29 AM		
SubDirectory	VW102025	HP Acquire Method	MSVOA_W	HP Processing Method	82w100125s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135844
Initial Calibration Stds	
CCC	VP135847,VP135848
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	VW032377.D	20 Oct 2025 09:36		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032378.D	20 Oct 2025 10:20		SY/MD	Ok,M
3	VW1020SBL01	VW1020SBL01	VW032379.D	20 Oct 2025 11:11		SY/MD	Ok
4	VW1020SBS01	VW1020SBS01	VW032380.D	20 Oct 2025 11:41		SY/MD	Ok,M
5	VW1020SBSD01	VW1020SBSD01	VW032381.D	20 Oct 2025 12:03		SY/MD	Ok,M
6	Q3363-05	COMP01-20251015	VW032382.D	20 Oct 2025 12:44	vial-B	SY/MD	Ok
7	Q3375-01	PR132-S02-074099-20	VW032383.D	20 Oct 2025 13:07	vial-A	SY/MD	Ok
8	Q3375-02	PR132-S04-000013-20	VW032384.D	20 Oct 2025 13:29	vial-A	SY/MD	Ok
9	Q3375-03	PR132-S05-000057-20	VW032385.D	20 Oct 2025 13:50	vial-A	SY/MD	Ok
10	Q3375-04	PR132-S02-010074-20	VW032386.D	20 Oct 2025 14:12	vial-A	SY/MD	Ok
11	Q3375-05	PR132-DP02-20251016	VW032387.D	20 Oct 2025 14:34	vial-A	SY/MD	Ok
12	Q3376-01	PR132-S05-057082-20	VW032388.D	20 Oct 2025 14:56	vial-A	SY/MD	Ok,M
13	Q3376-02	PR132-DP01-20251016	VW032389.D	20 Oct 2025 15:18	vial-A Surrogate fail	SY/MD	ReRun
14	Q3376-03	PR132-COMP2-20251(	VW032390.D	20 Oct 2025 15:40	vial-A	SY/MD	Ok,M
15	Q3376-04	PR132-S12-047072-20	VW032391.D	20 Oct 2025 16:02	vial-A	SY/MD	Ok,M
16	Q3376-05	PR132-S12-020047-20	VW032392.D	20 Oct 2025 16:24	vial-A	SY/MD	Ok
17	Q3393-01	PR132-S10-000022-20	VW032393.D	20 Oct 2025 16:46	vial-A	SY/MD	Ok
18	Q3393-02	PR132-S10-022047-20	VW032394.D	20 Oct 2025 17:08	vial-A	SY/MD	Ok,M

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW102025

Review By	Semsettin Yesilyurt	Review On	10/21/2025 1:05:25 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 8:11:29 AM		
SubDirectory	VW102025	HP Acquire Method	MSVOA_W	HP Processing Method	82w100125s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135844
Initial Calibration Stds	
CCC	VP135847,VP135848
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3393-03	PR132-S08-013038-20	VW032395.D	20 Oct 2025 17:29	vial-A Surrogate fail	SY/MD	ReRun
20	Q3395-01	PR132-S09-000051-20	VW032396.D	20 Oct 2025 17:51	vial-A	SY/MD	Ok
21	Q3395-02	PR132-S07-000102-20	VW032397.D	20 Oct 2025 18:14	vial-A	SY/MD	Ok
22	Q3395-05	PR132-S07-102116-20	VW032398.D	20 Oct 2025 18:36	vial-A	SY/MD	Ok,M
23	Q3395-07	PR132-S08-038048-20	VW032399.D	20 Oct 2025 18:58	vial-A	SY/MD	Ok
24	Q3395-03MS	PR132-S07-000102-20	VW032400.D	20 Oct 2025 19:20	vial-A Internal Standard Fail	SY/MD	ReRun
25	Q3395-04MSD	PR132-S07-000102-20	VW032401.D	20 Oct 2025 19:42	vial-A Internal Standard Fail	SY/MD	ReRun
26	VIBLK	VIBLK	VW032402.D	20 Oct 2025 20:04		SY/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VW032403.D	20 Oct 2025 20:26		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102025

Review By	John Carlone	Review On	10/21/2025 8:15:04 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/21/2025 10:44:02 AM		
SubDirectory	VX102025	HP Acquire Method		HP Processing Method	82X102025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135849
Initial Calibration Stds	VP135851,VP135852,VP135853,VP135854,VP135855,VP135856
CCC	VP135850
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048226.D	20 Oct 2025 08:15		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048227.D	20 Oct 2025 10:13		JC/MD	Ok
3	IBLK	IBLK	VX048228.D	20 Oct 2025 10:38		JC/MD	Not Ok
4	VSTDICC001	VSTDICC001	VX048229.D	20 Oct 2025 10:59	LR-58,94	JC/MD	Ok,M
5	VSTDICC005	VSTDICC005	VX048230.D	20 Oct 2025 11:20		JC/MD	Not Ok
6	VSTDICC020	VSTDICC020	VX048231.D	20 Oct 2025 11:40		JC/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VX048232.D	20 Oct 2025 12:01		JC/MD	Ok,M
8	VSTDICC100	VSTDICC100	VX048233.D	20 Oct 2025 12:22		JC/MD	Ok,M
9	VSTDICC150	VSTDICC150	VX048234.D	20 Oct 2025 12:43		JC/MD	Ok,M
10	IBLK	IBLK	VX048235.D	20 Oct 2025 13:04		JC/MD	Ok
11	VSTDICC005	VSTDICC005	VX048236.D	20 Oct 2025 13:49		JC/MD	Ok,M
12	VSTDICV050	ICVVX102025	VX048237.D	20 Oct 2025 14:28	pH#Lot#V12668	JC/MD	Ok,M
13	VX1020MBL01	VX1020MBL01	VX048238.D	20 Oct 2025 14:56		JC/MD	Ok
14	VX1020WBL01	VX1020WBL01	VX048239.D	20 Oct 2025 15:23		JC/MD	Ok
15	VX1020WBS01	VX1020WBS01	VX048240.D	20 Oct 2025 15:50		JC/MD	Ok,M
16	Q3371-03	VPB184-HYD-2025101	VX048241.D	20 Oct 2025 16:18	vial A pH<2 Surrogate Fail	JC/MD	ReRun
17	Q3371-06	VPB184-HYD-2025101	VX048242.D	20 Oct 2025 16:38	vial A pH<2 Surrogate Fail	JC/MD	ReRun
18	Q3371-01	BP-VPB-184-TB-20251	VX048243.D	20 Oct 2025 16:59	vial A pH<2 TB; Surrogate Fail	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102025

Review By	John Carlone	Review On	10/21/2025 8:15:04 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/21/2025 10:44:02 AM		
SubDirectory	VX102025	HP Acquire Method		HP Processing Method	82X102025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135849
Initial Calibration Stds	VP135851,VP135852,VP135853,VP135854,VP135855,VP135856
CCC	VP135850
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3371-02	BP-VPB-184-EB-20251	VX048244.D	20 Oct 2025 17:20	vial A pH<2 EB; Surrogate Fail; Hit of com.#16	JC/MD	ReRun
20	Q3371-04	BP-VPB-184-GW-915-9	VX048245.D	20 Oct 2025 17:41	vial A pH<2	JC/MD	Ok
21	Q3371-05	BP-VPB-184-GW-920-9	VX048246.D	20 Oct 2025 18:02	vial A pH<2	JC/MD	Ok
22	VX1020WBSD01	VX1020WBSD01	VX048247.D	20 Oct 2025 18:22		JC/MD	Ok,M
23	VX1020MBS01	VX1020MBS01	VX048248.D	20 Oct 2025 18:43		JC/MD	Ok,M
24	Q3390-01	4174	VX048249.D	20 Oct 2025 19:04	cloth material	JC/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VX048250.D	20 Oct 2025 19:25		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102125

Review By	John Carlone	Review On	10/23/2025 1:52:10 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/24/2025 2:32:28 PM		
SubDirectory	VX102125	HP Acquire Method		HP Processing Method	82X102025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135868
Initial Calibration Stds	
CCC	VP135869,VP135870
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048251.D	21 Oct 2025 08:12		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048252.D	21 Oct 2025 08:43	pH#Lot#V12668	JC/MD	Ok,M
3	VX1021MBL01	VX1021MBL01	VX048253.D	21 Oct 2025 09:12		JC/MD	Ok
4	VX1021WBL01	VX1021WBL01	VX048254.D	21 Oct 2025 09:40		JC/MD	Ok
5	VX1021WBS01	VX1021WBS01	VX048255.D	21 Oct 2025 10:06		JC/MD	Ok,M
6	VX1021WBSD01	VX1021WBSD01	VX048256.D	21 Oct 2025 10:33		JC/MD	Ok,M
7	Q3371-03	VPB184-HYD-2025101	VX048257.D	21 Oct 2025 10:54	vial B pH<2	JC/MD	Ok
8	Q3371-01	BP-VPB-184-TB-20251	VX048258.D	21 Oct 2025 11:15	vial B pH<2 TB	JC/MD	Ok
9	Q3371-02	BP-VPB-184-EB-20251	VX048259.D	21 Oct 2025 11:35	vial B pH<2 EB	JC/MD	Ok
10	Q3371-06	VPB184-HYD-2025101	VX048260.D	21 Oct 2025 11:56	vial B pH<2	JC/MD	Ok
11	Q3413-02	BP-VPB-184-TB-20251	VX048261.D	21 Oct 2025 12:17	vial A pH<2 TB	JC/MD	Ok
12	PB170148TB	PB170148TB	VX048262.D	21 Oct 2025 12:37		JC/MD	Ok
13	Q3369-04	MH-22	VX048263.D	21 Oct 2025 12:58	vial A pH#5.0	JC/MD	Ok
14	Q3369-08	MH-21	VX048264.D	21 Oct 2025 13:19	vial A pH#5.0	JC/MD	Ok
15	Q3374-04	TP-4-WC	VX048265.D	21 Oct 2025 13:40	vial A pH#5.0	JC/MD	Ok,M
16	Q3374-08	TP-5-WC	VX048266.D	21 Oct 2025 14:00	vial A pH#5.0	JC/MD	Ok
17	Q3381-02	VNJ-222	VX048267.D	21 Oct 2025 14:21	vial A pH#5.0	JC/MD	Ok
18	Q3381-04	VNJ-245	VX048268.D	21 Oct 2025 14:42	vial A pH#5.0	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102125

Review By	John Carlone	Review On	10/23/2025 1:52:10 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/24/2025 2:32:28 PM		
SubDirectory	VX102125	HP Acquire Method		HP Processing Method	82X102025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135868
Initial Calibration Stds	
CCC	VP135869,VP135870
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3381-06	RBR200059	VX048269.D	21 Oct 2025 15:02	vial A pH#5.0	JC/MD	Ok
20	Q3381-08	VNJ-255	VX048270.D	21 Oct 2025 15:23	vial A pH#5.0	JC/MD	Ok
21	Q3392-04	MH-20	VX048271.D	21 Oct 2025 15:44	vial A pH#5.0	JC/MD	Ok
22	Q3392-08	MH-19	VX048272.D	21 Oct 2025 16:04	vial A pH#5.0	JC/MD	Ok
23	IBLK	IBLK	VX048273.D	21 Oct 2025 16:25		JC/MD	Ok
24	Q3400-01	FRAC-TANK-0760450	VX048274.D	21 Oct 2025 16:46	vial A+B pH<2	JC/MD	Ok
25	Q3361-01DL	VOA 251015111-01DL	VX048275.D	21 Oct 2025 17:07	vial B pH#6.0	JC/MD	Ok
26	IBLK	IBLK	VX048276.D	21 Oct 2025 17:27		JC/MD	Ok
27	Q3376-07	PR132-FB01-20251016	VX048277.D	21 Oct 2025 17:48	vial A pH<2	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX048278.D	21 Oct 2025 18:09		JC/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:00:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:02 AM		
SubDirectory	VY100725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135766
Initial Calibration Stds	VP135767,VP135768,VP135769,VP135770,VP135771,VP135772
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135773
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023383.D	07 Oct 2025 08:43		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023384.D	07 Oct 2025 09:17		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY023385.D	07 Oct 2025 10:02		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY023386.D	07 Oct 2025 11:24		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY023387.D	07 Oct 2025 11:47		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY023388.D	07 Oct 2025 12:09		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY023389.D	07 Oct 2025 12:32		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023390.D	07 Oct 2025 13:02		SY/MD	Ok
9	VSTDICV050	ICVVY100725	VY023391.D	07 Oct 2025 14:12		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102125

Review By	John Carlone	Review On	10/24/2025 2:07:04 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 7:57:33 AM		
SubDirectory	VY102125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135871
Initial Calibration Stds	
CCC	VP135872,VP135873
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	VY023520.D	21 Oct 2025 08:29		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023521.D	21 Oct 2025 09:05		SY/MD	Ok,M
3	VY1021SBL01	VY1021SBL01	VY023522.D	21 Oct 2025 09:34		SY/MD	Ok
4	VY1021SBS01	VY1021SBS01	VY023523.D	21 Oct 2025 10:04		SY/MD	Ok,M
5	VY1021SBSD01	VY1021SBSD01	VY023524.D	21 Oct 2025 10:27		SY/MD	Ok,M
6	Q3383-01	OR-03-101725	VY023525.D	21 Oct 2025 11:03	vial-B	SY/MD	Ok
7	Q3382-01	CENTRAL-AVE-TP	VY023526.D	21 Oct 2025 11:26	vial-B Internal Standard Fail	SY/MD	Ok
8	Q3386-01RE	237RE	VY023527.D	21 Oct 2025 11:50	vial-B Internal Standard Fail	SY/MD	Confirms
9	Q3376-02	PR132-DP01-20251016	VY023528.D	21 Oct 2025 12:14	vial-B	SY/MD	Ok
10	Q3393-03	PR132-S08-013038-20	VY023529.D	21 Oct 2025 12:38	vial-B	SY/MD	Ok
11	Q3402-01	41-LA	VY023530.D	21 Oct 2025 13:04	vial-A	SY/MD	Ok
12	Q3402-04	41-RA	VY023531.D	21 Oct 2025 13:48	vial-A	SY/MD	Ok
13	Q3402-07	41-LB	VY023532.D	21 Oct 2025 14:12	vial-A	SY/MD	Ok
14	Q3402-10	41-RB	VY023533.D	21 Oct 2025 14:35	vial-A	SY/MD	Ok
15	Q3399-03	COMP-ROLLOFF	VY023534.D	21 Oct 2025 14:59	vial-A	SY/MD	Ok
16	Q3410-02	VOC	VY023535.D	21 Oct 2025 15:22	vial-A	SY/MD	Ok
17	Q3403-03	MH-18-VOC	VY023536.D	21 Oct 2025 15:47	vial-A	SY/MD	Ok
18	Q3406-01	ARS20-0037	VY023537.D	21 Oct 2025 16:10	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102125

Review By	John Carlone	Review On	10/24/2025 2:07:04 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 7:57:33 AM		
SubDirectory	VY102125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135871
Initial Calibration Stds	
CCC	VP135872,VP135873
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3413-01	BP-VPB-184-GW-980-9	VY023538.D	21 Oct 2025 16:34	vial-A End CCC Missing	SY/MD	Not Ok
20	Q3412-03	TP-6-VOC	VY023539.D	21 Oct 2025 16:57	vial-A	SY/MD	Ok
21	Q3404-01	MOO-25-0285-0288	VY023540.D	21 Oct 2025 17:21	vial-A Internal standard fail	SY/MD	ReRun
22	Q3395-03MS	PR132-S07-000102-20	VY023541.D	21 Oct 2025 17:44	vial-B Internal Standard Fail	SY/MD	Not Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: rubina
Date: 10/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN #1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 09:25
Out Date: 10/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB137576

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
Q3373-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q3373-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q3373-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q3373-08	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q3373-09	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q3373-10	PEST -GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q3374-01	TP-4-WC	7	1.15	10.69	11.84	10.25	85.1	
Q3374-02	TP-4-WC-EPH	8	1.11	10.86	11.97	11.38	94.6	
Q3374-03	TP-4-WC-VOC	9	1.15	10.45	11.6	10.31	87.7	
Q3374-05	TP-5-WC	10	1.13	10.30	11.43	10.72	93.1	
Q3374-06	TP-5-WC-EPH	11	1.17	10.34	11.51	9.95	84.9	
Q3374-07	TP-5-WC-VOC	12	1.18	10.94	12.12	11.19	91.5	
Q3375-01	PR132-S02-074099-20251016	13	1.12	10.21	11.33	8.19	69.2	
Q3375-02	PR132-S04-000013-20251016	14	1.15	10.84	11.99	9.25	74.7	
Q3375-03	PR132-S05-000057-20251016	15	1.16	10.58	11.74	8.22	66.7	
Q3375-04	PR132-S02-010074-20251016	16	1.14	10.34	11.48	6.86	55.3	
Q3375-05	PR132-DP02-074099-20251016	17	1.15	10.84	11.99	8.38	66.7	
Q3376-01	PR132-S05-057082-20251016	18	1.13	10.84	11.97	6.93	53.5	
Q3376-02	PR132-DP01-20251016	19	1.16	10.07	11.23	6.56	53.6	
Q3376-03	PR132-COMP2-20251016	20	1.11	10.13	11.24	6.45	52.7	
Q3376-04	PR132-S12-047072-20251016	21	1.15	10.70	11.85	6.64	51.3	
Q3376-05	PR132-S12-020047-20251016	22	1.13	10.49	11.62	8.14	66.8	
Q3381-01	VNJ-222	23	1.18	10.38	11.56	10.46	89.4	
Q3381-03	VNJ-245	24	1.18	10.64	11.82	9.86	81.6	
Q3381-05	RBR200059	25	1.11	10.71	11.82	10.6	88.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: rubina
Date: 10/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN #1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 09:25
Out Date: 10/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB137576

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
Q3381-07	VNJ-255	26	1.16	10.11	11.27	10.51	92.5	
Q3382-01	CENTRAL-AVE-TP	27	1.14	10.73	11.87	10.25	84.9	
Q3382-02	CENTRAL-AVE-TP-EPH-2	28	1.16	10.81	11.97	9.78	79.7	
Q3383-01	OR-03-101725	29	1.13	10.60	11.73	10.88	92.0	
Q3383-02	OR-03-101725-E2	30	1.14	10.91	12.05	11.07	91.0	
Q3386-01	237	38	1.15	10.68	11.83	11.2	94.1	
Q3386-02	237-E2	39	1.15	10.85	12.00	11.2	92.6	
Q3387-01	BC289050-1-1	40	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-02	BC289050-1-2	41	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-03	BC289050-2-1	42	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-04	BC289050-2-2	43	1.00	1.00	2.00	2.00	100.0	PILC
Q3388-01	461	44	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3389-01	KMH472J-1-1	45	1.00	1.00	2.00	2.00	100.0	PILC
Q3389-02	KMH472J-1-2	46	1.00	1.00	2.00	2.00	100.0	PILC
Q3390-01	4175	47	1.00	1.00	2.00	2.00	100.0	debris
Q3390-03	340	48	1.18	10.76	11.94	10.34	85.1	
Q3390-04	340-E2	49	1.16	10.88	12.04	9.11	73.1	
Q3391-01	RCA	31	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3392-01	MH-20	32	1.18	10.77	11.95	10.9	90.3	
Q3392-02	MH-20-EPH	33	1.16	11.00	12.16	11.07	90.1	
Q3392-03	MH-20-VOC	34	1.18	10.89	12.07	10.69	87.3	
Q3392-05	MH-19	35	1.16	10.50	11.66	10.34	87.4	
Q3392-06	MH-19-EPH	36	1.12	10.87	11.99	10.41	85.5	
Q3392-07	MH-19-VOC	37	1.16	10.50	11.66	10.37	87.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VR 137576

WorkList Name : %1-101725 **WorkList ID :** 192523 **Department :** Wet-Chemistry **Date :** 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3373-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3374-01	TP-4-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-02	TP-4-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-03	TP-4-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-05	TP-5-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3374-06	TP-5-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3374-07	TP-5-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3375-01	PR132-S02-074099-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-02	PR132-S04-000013-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-03	PR132-S05-000057-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-04	PR132-S02-010074-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-05	PR132-DP02-074099-2025101(	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-01	PR132-S05-057082-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-02	PR132-DP01-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-03	PR132-COMP2-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-04	PR132-S12-047072-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO

Date/Time 10/17/25 16:00

Raw Sample Received by: BB WC)

Raw Sample Relinquished by: CP (CSM)

Date/Time 10/17/25 17:35

Raw Sample Received by: CP (CSM)

Raw Sample Relinquished by: BB WC)

WORKLIST(Hardcopy Internal Chain)

VB 137576

WorkList Name : %1-101725 **WorkList ID :** 192523 **Department :** Wet-Chemistry **Date :** 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3376-05	PR132-S12-020047-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3381-01	VNJ-222	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-03	VNJ-245	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-05	RBR200059	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-07	VNJ-255	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3382-01	CENTRAL-AVE-TP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3382-02	CENTRAL-AVE-TP-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3383-01	OR-03-101725	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3383-02	OR-03-101725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/17/2025	Chemtech -SO
Q3386-01	237	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/17/2025	Chemtech -SO
Q3386-02	237-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3387-01	BC289050-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3387-02	BC289050-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-03	BC289050-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-04	BC289050-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3388-01	461	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3389-01	KMH472J-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3389-02	KMH472J-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-01	4175	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-03	340	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-04	340-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03		10/17/2025	Chemtech -SO

Date/Time 10/17/25 16:00

Raw Sample Received by: JB WC

Raw Sample Relinquished by: CR (SM)

Date/Time 10/17/25 17:35

Raw Sample Received by: CR (SM)

Raw Sample Relinquished by: JB WC

WORKLIST(Hardcopy Internal Chain)

VB 137576

WorkList Name : %1-101725 **WorkList ID :** 192523 **Department :** Wet-Chemistry **Date :** 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3391-01	RCA	Solid	Percent Solids	Cool 4 deg C	YANN01	D31	09/18/2025	Chemtech -SO
Q3392-01	MH-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-02	MH-20-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-03	MH-20-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-05	MH-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-06	MH-19-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-07	MH-19-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO

Date/Time 10/17/25 16:00

Raw Sample Received by: TB WC

Raw Sample Relinquished by: CP CSM

Date/Time 10/17/25 17:35

Raw Sample Received by: CP CSM

Raw Sample Relinquished by: TB WC

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Prep Standard - Chemical Standard Summary

Order ID : Q3376

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VW102025,Vx102125,VY102125,

Standard ID :
VP133934,VP134142,VP134147,VP134149,VP134150,VP134933,VP134934,VP134956,VP134957,VP135552,VP135553,VP135834,VP135835,VP135844,VP135847,VP135848,VP135868,VP135869,VP135870,VP135871,VP135872,VP135873,

Chemical ID :
V13391,V14200,V14204,V14205,V14290,V14509,V14510,V14531,V14532,V14625,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14727,V14728,V14803,V14815,V14844,V14906,V14921,V14928,V14929,V14951,V14952,V15073,V15074,V15075,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP133934	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.10000ml of V14290 + 49.90000ml of V14921 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP134142	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14668 + 1.00000ml of V14671 + 1.00000ml of V14673 + 1.00000ml of V14675 + 16.00000ml 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
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

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

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VOC STANDARD PREPARATION LOG

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP134933	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/19/2025

FROM 0.40000ml of V14906 + 24.60000ml of V14625 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP134934	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.10000ml of V14906 + 24.90000ml of V14625 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP134956	08/01/2025	11/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.25000ml of V14290 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP134957	08/01/2025	11/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.50000ml of V13391 + 49.50000ml of V14625 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP135552	09/22/2025	11/03/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2025

FROM 0.40000ml of V14844 + 1.00000ml of V14200 + 1.00000ml of V14509 + 1.00000ml of V14510 + 1.00000ml of V14531 + 1.00000ml of V14532 + 1.00000ml of V14727 + 1.00000ml of V14728 + 1.00000ml of V14803 + 1.00000ml of V14815 + 1.00000ml of V14951 + 1.00000ml of V14952 + 1.50000ml of V14204 + 1.50000ml of V14205 + 10.60000ml of V14928 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
244	8260 Calibration Working STD Mix-First source, 100PPM	VP135553	09/22/2025	11/03/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2025

FROM 5.62500ml of V14928 + 9.37500ml of VP135552 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP135834	10/17/2025	11/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/17/2025

FROM 1.00000ml of V15073 + 1.50000ml of V15074 + 1.50000ml of V15075 + 21.00000ml of V14928 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
56	8260 Working STD (Acrolein) -first source, 500PPM	VP135835	10/17/2025	11/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/17/2025

FROM 7.50000ml of V14928 + 12.50000ml of VP135834 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP135844	10/20/2025	10/21/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/21/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP134957 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP135847	10/20/2025	10/21/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/21/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135553 + 0.00250ml of VP135835 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP135848	10/20/2025	10/21/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/21/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135553 + 0.00250ml of VP135835 + 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
589	BFB TUNE CHECK	VP135868	10/21/2025	10/22/2025	John Carlone	None	None	Mahesh Dadoda 10/21/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP135869	10/21/2025	10/22/2025	John Carlone	None	None	Mahesh Dadoda 10/21/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135552 + 0.01250ml of VP135834 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP135870	10/21/2025	10/22/2025	John Carlone	None	None	Mahesh Dadoda 10/21/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135552 + 0.01250ml of VP135834 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP135871	10/21/2025	10/22/2025	Amit Patel	None	None	Mahesh Dadoda 10/21/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP134957 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP135872	10/21/2025	10/22/2025	Amit Patel	None	None	Mahesh Dadoda 10/21/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135553 + 0.00250ml of VP135835 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP135873	10/21/2025	10/22/2025	Amit Patel	None	None	Mahesh Dadoda 10/21/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135553 + 0.00250ml of VP135835 + 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	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14200

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	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14204

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	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14205

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 #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14509

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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	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14510

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	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14531

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	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14532

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	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	V14668

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	V14671

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

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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	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14675

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	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14727

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	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14728

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	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14803

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	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14815

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	03/22/2026	09/22/2025 / sam	01/21/2025 / SAM	V14844

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

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	03/22/2026	09/22/2025 / sam	05/09/2025 / SAM	V14928

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 #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14951

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	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14952

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	101625	11/16/2025	10/17/2025 / sam	10/17/2025 / sam	V15073

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	101625	11/16/2025	10/17/2025 / sam	10/17/2025 / sam	V15074

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	101625	11/16/2025	10/17/2025 / sam	10/17/2025 / sam	V15075

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
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Ken Koehnlein
Sr. Manager, Quality Assurance

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

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)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 846mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (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	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

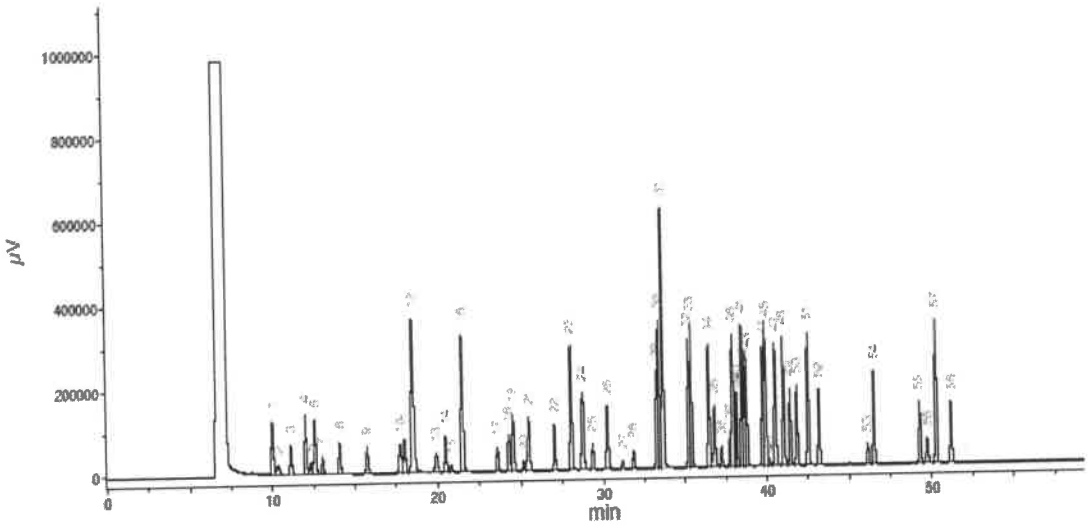
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

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)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 846mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (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	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

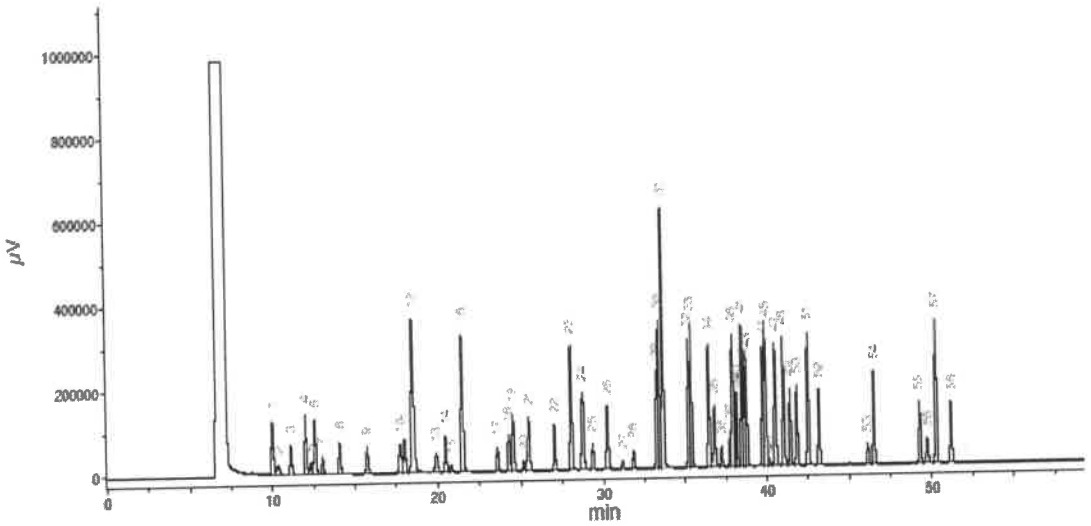
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

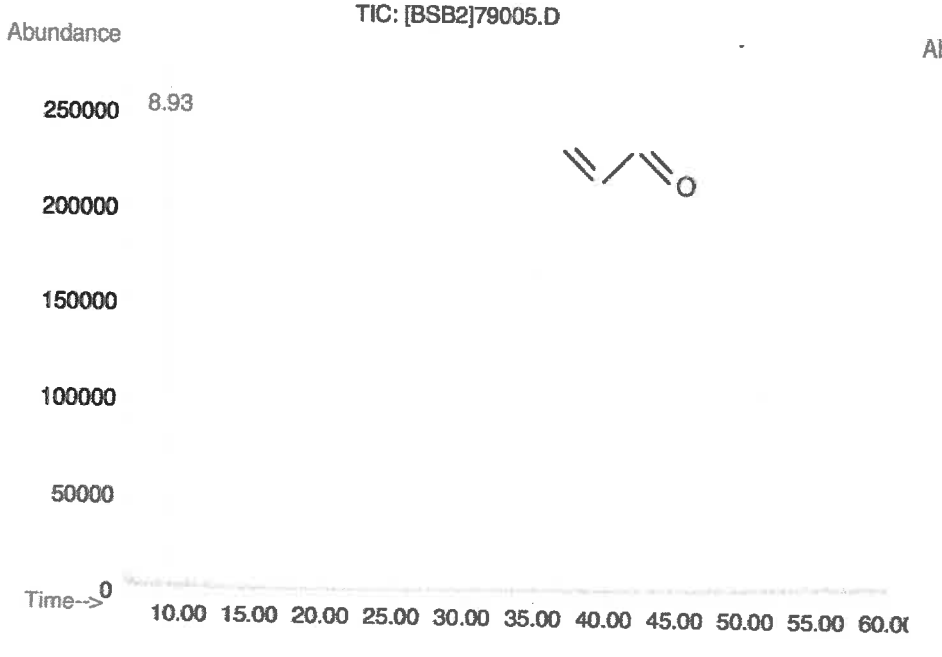
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

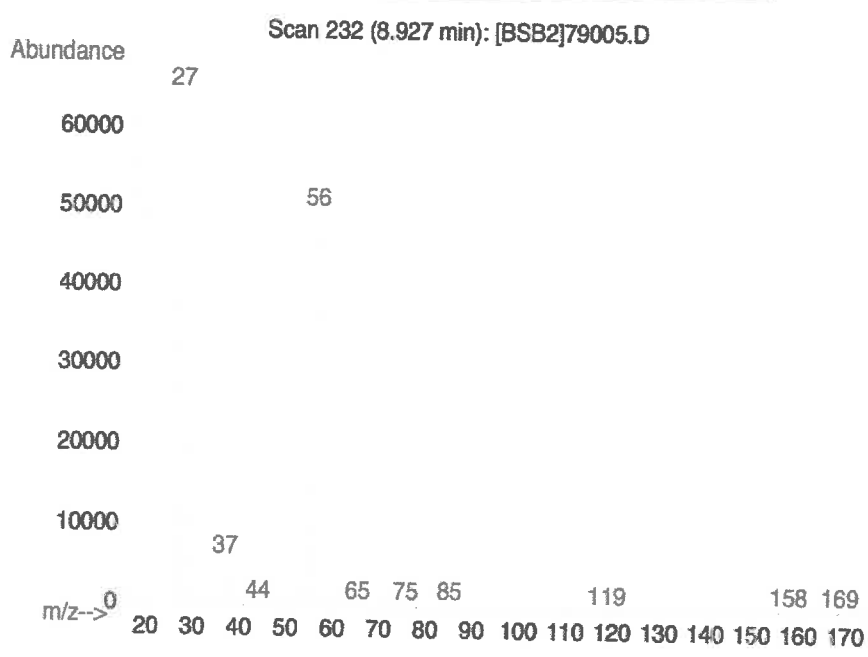
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

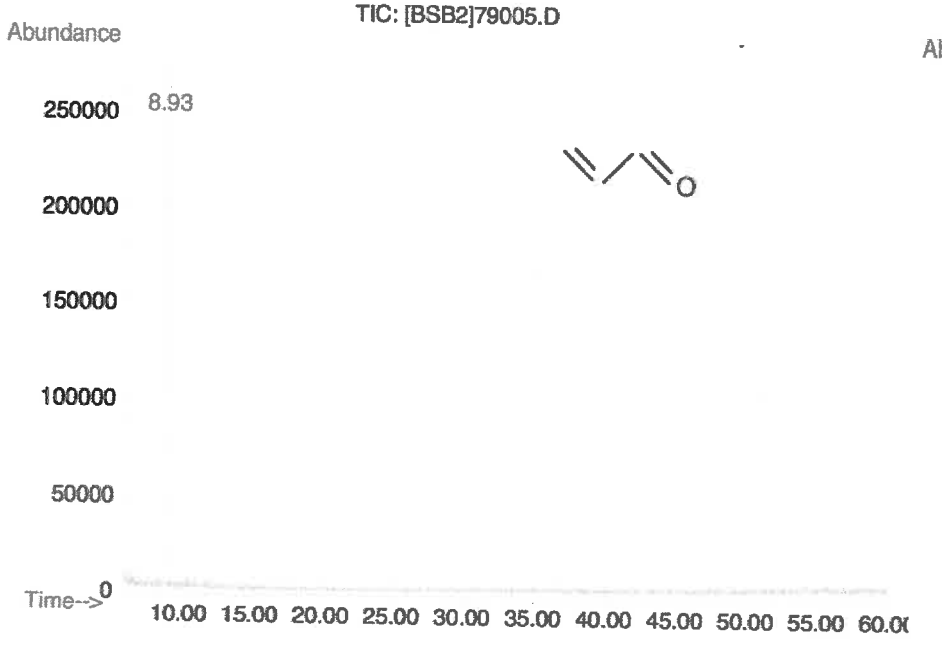
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

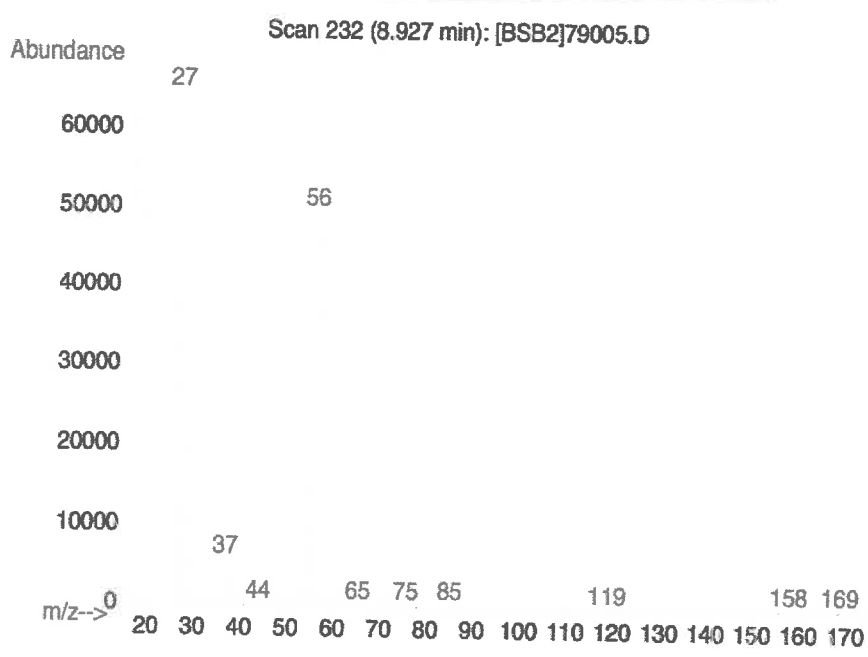
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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- 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.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

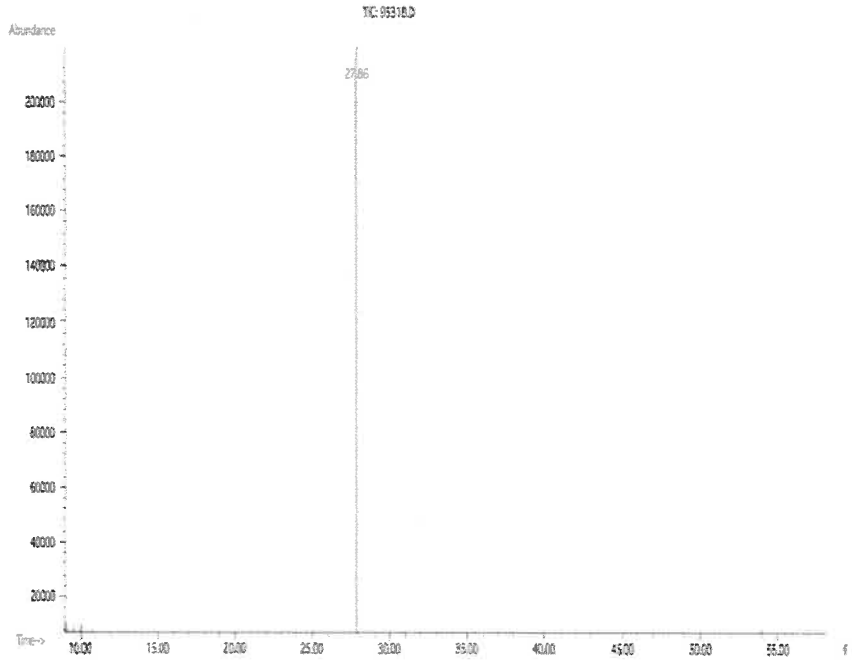
V14630 to V14649

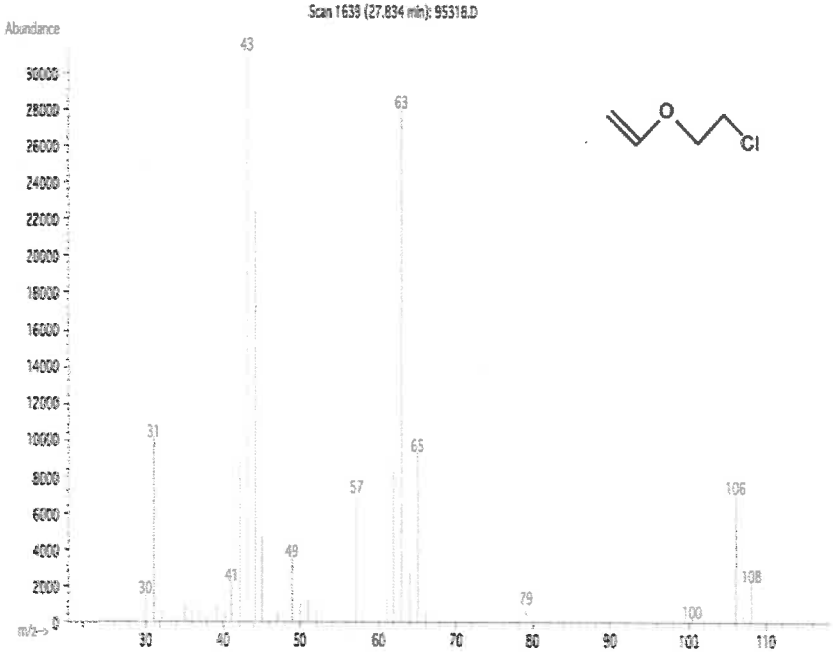
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

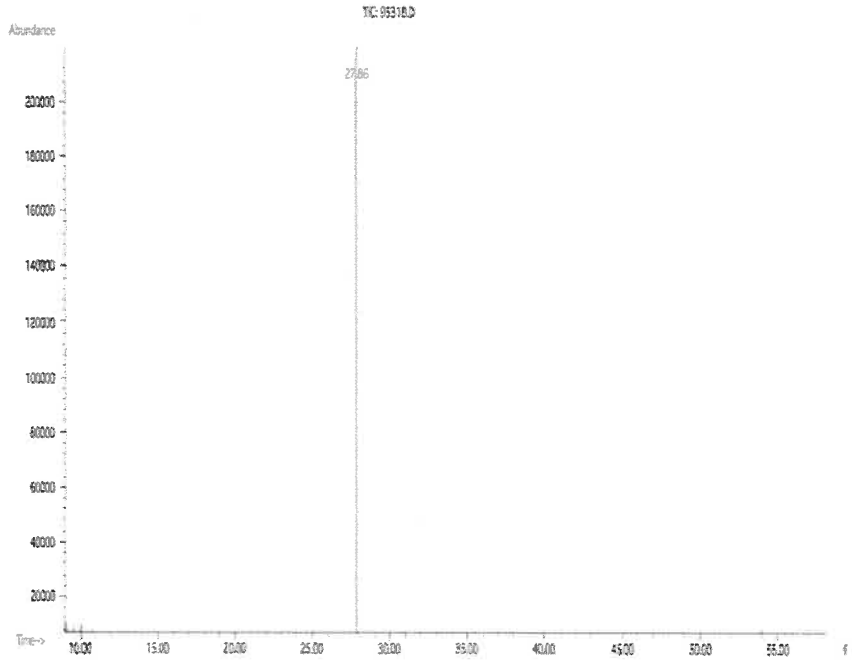
V14630 to V14649

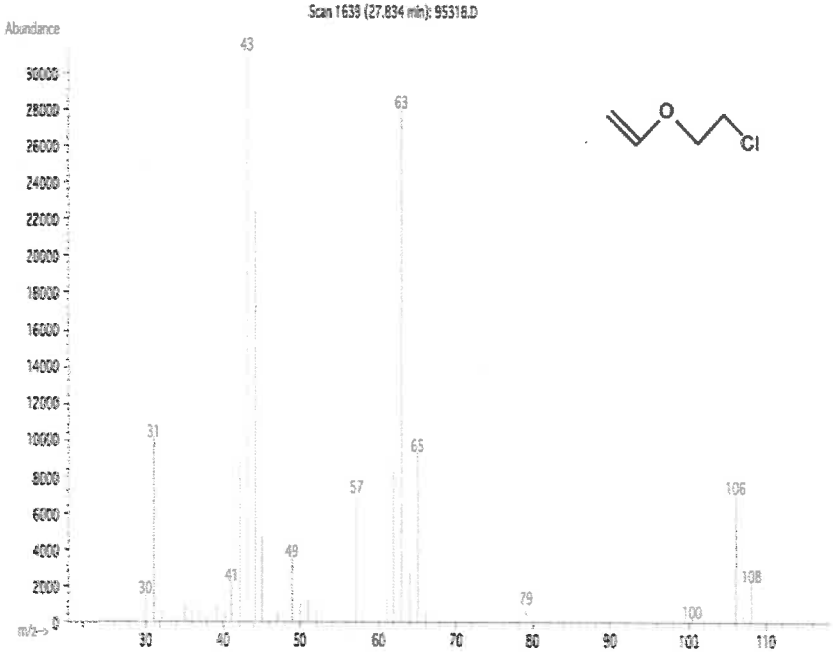
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

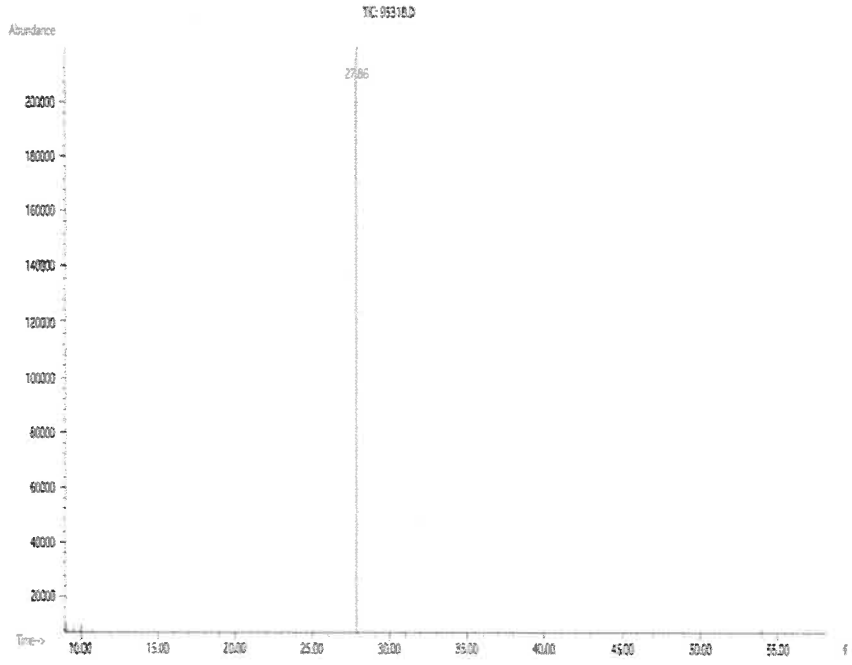
V14630 to V14649

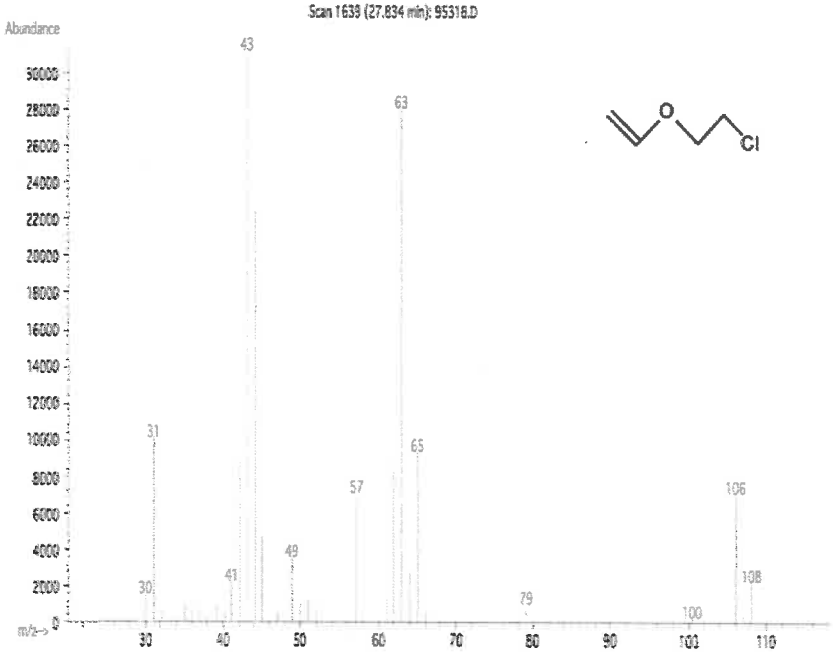
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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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.
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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.
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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.
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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
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Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
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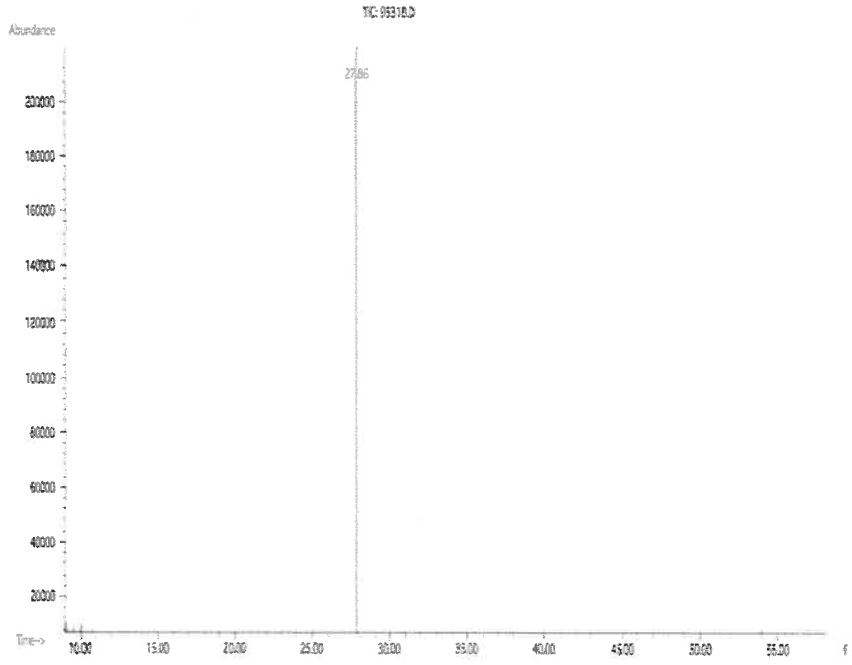
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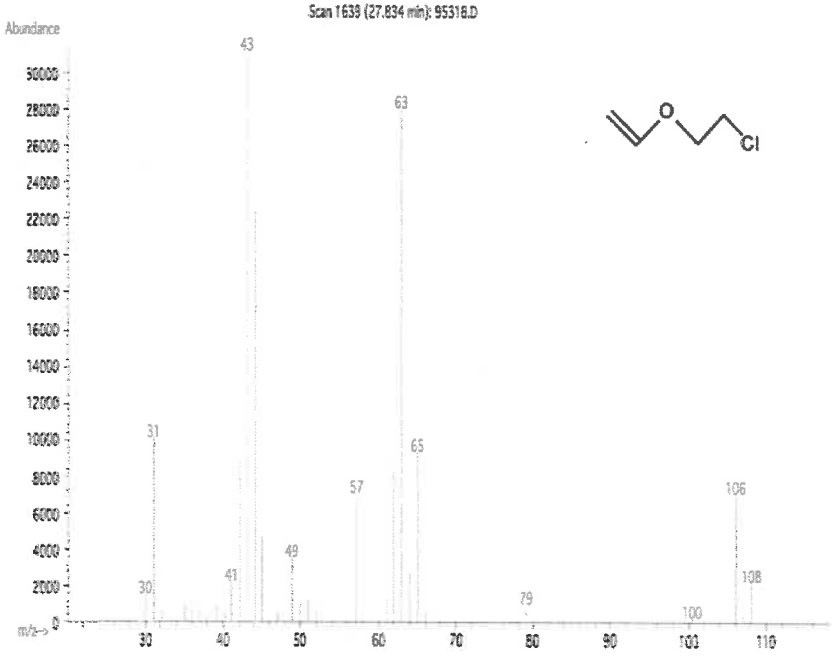
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1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

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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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)

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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

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Potential for skin absorption , ingestion and inhalation.
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Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

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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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Reference Material Producer
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. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

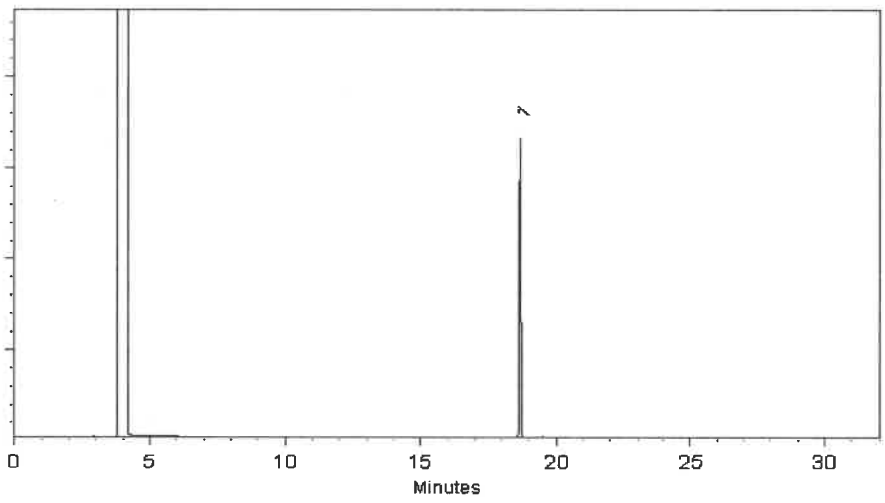
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.:** A0200785

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 : November 30, 2026 **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	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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.)

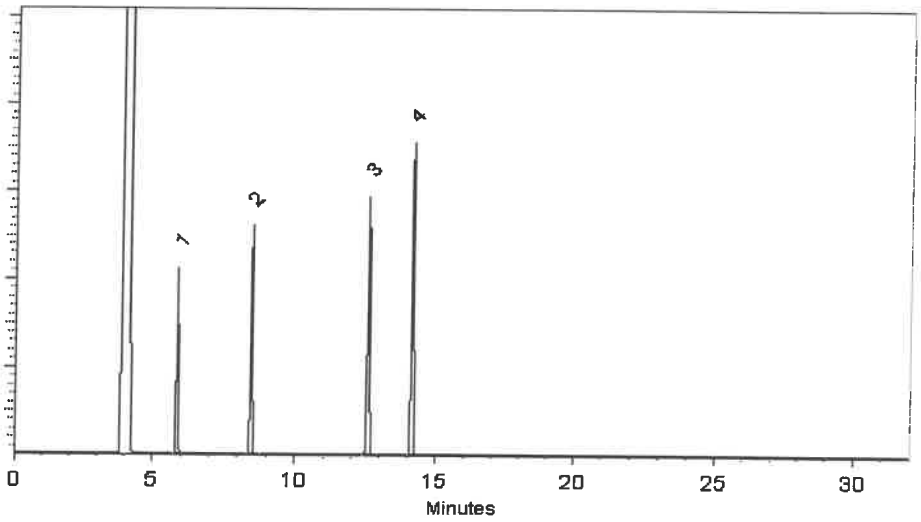
Inj. Temp:
200°C

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.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

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 : November 30, 2026 **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	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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.)

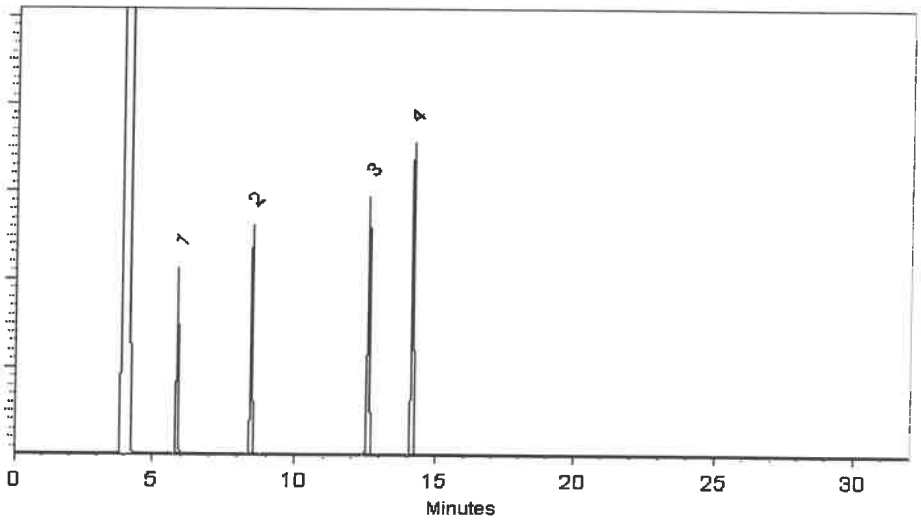
Inj. Temp:
200°C

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.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

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 : November 30, 2026 **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	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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.)

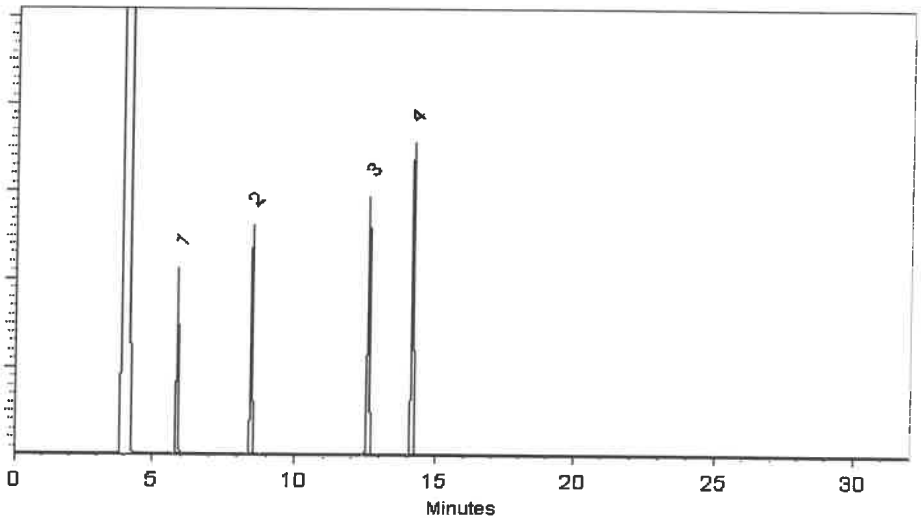
Inj. Temp:
200°C

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.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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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 values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- 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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Dec: 12/09/24

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

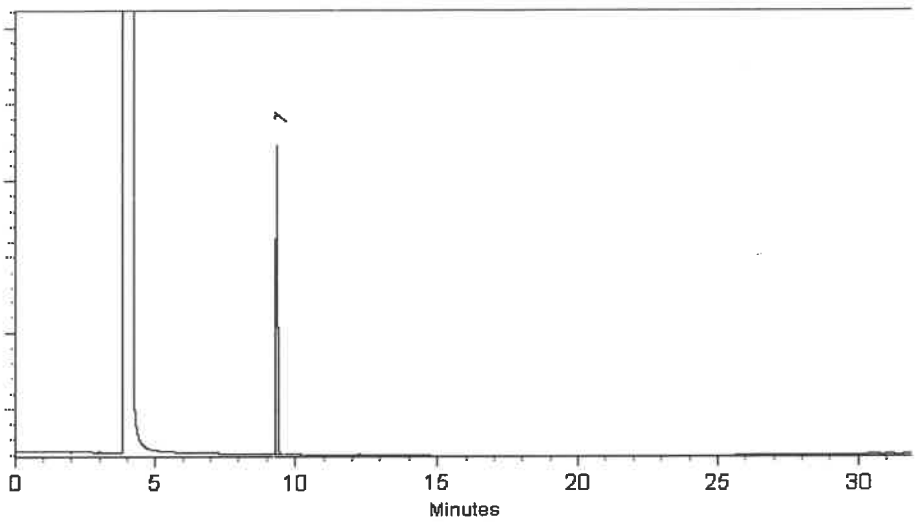
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Dec: 12/09/24

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V14667 to
V14676

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Certificate #3222.01

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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. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

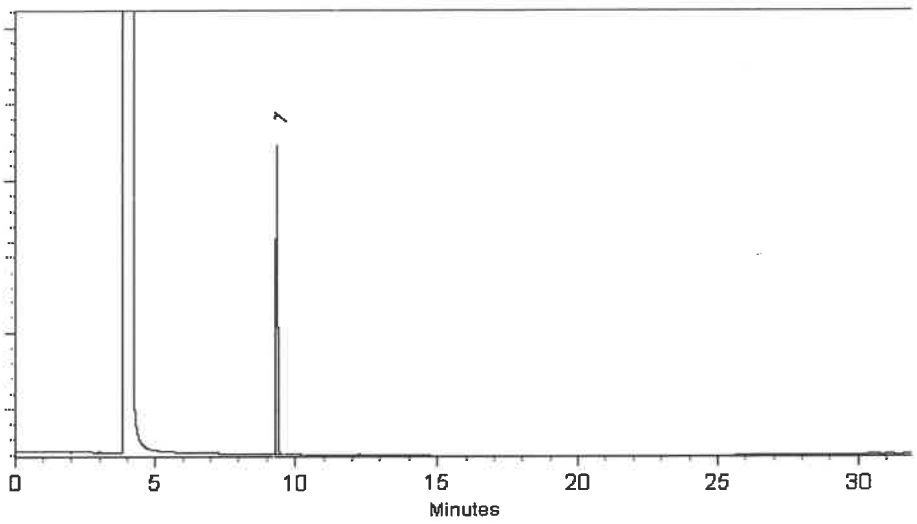
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Dec: 12/09/24

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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. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

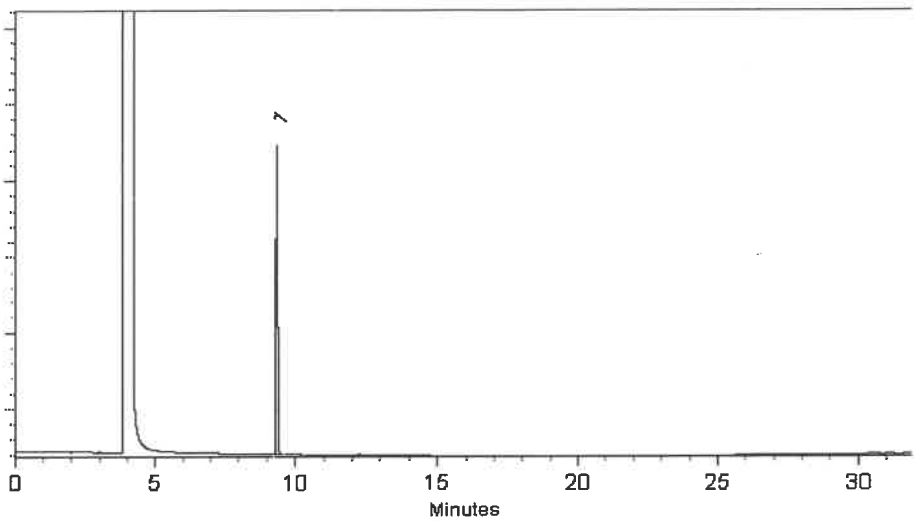
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

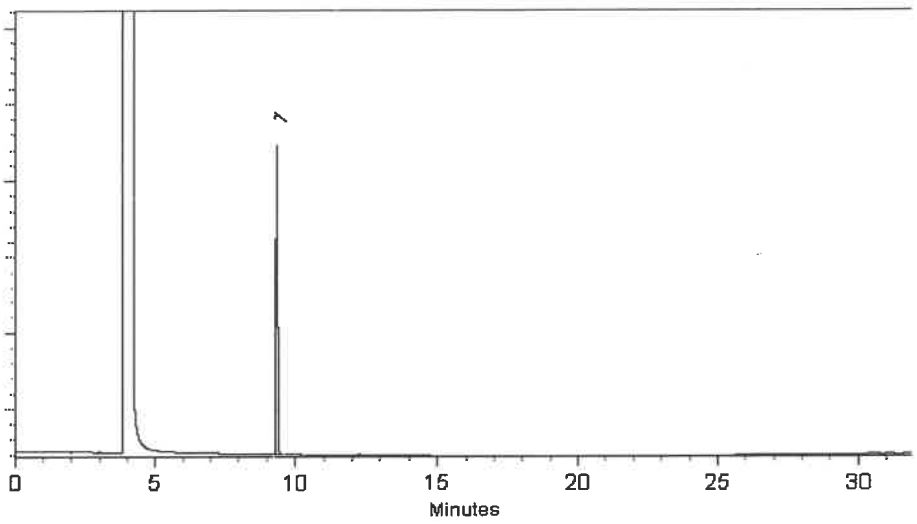
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

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Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

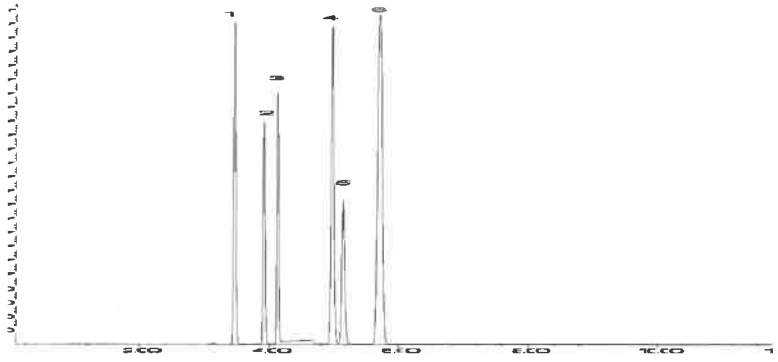
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

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Reference Material Producer
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. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

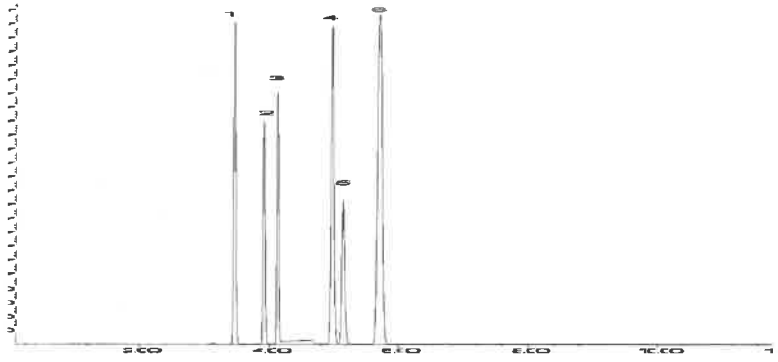
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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chromatographic plus

J14842 to 14846

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

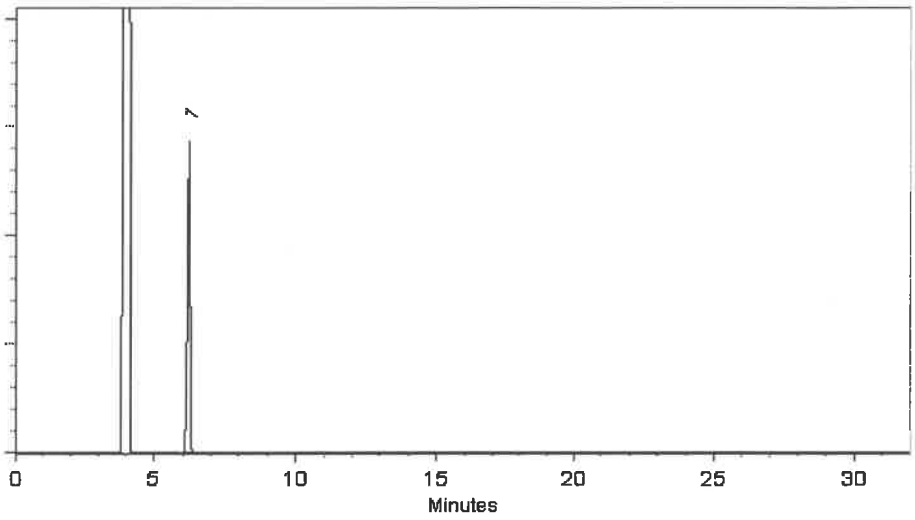
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Zoviny Rec 01/08/21

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V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

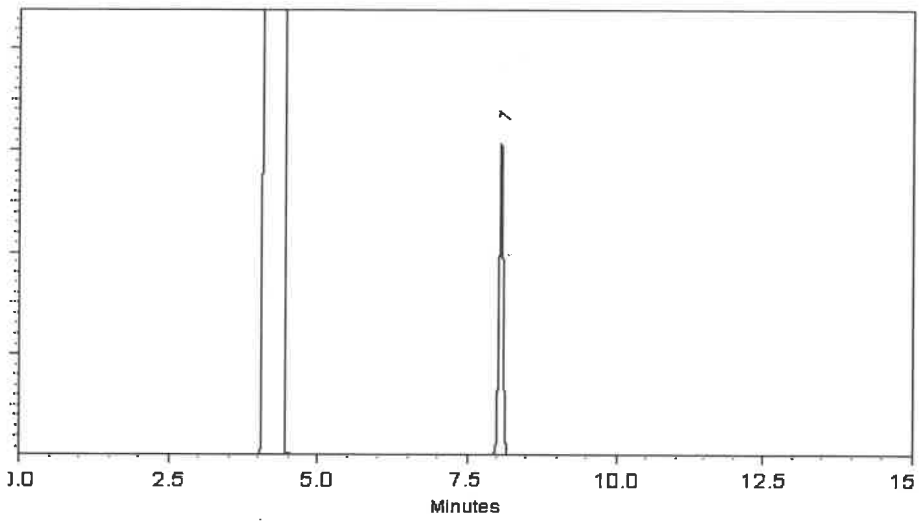
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

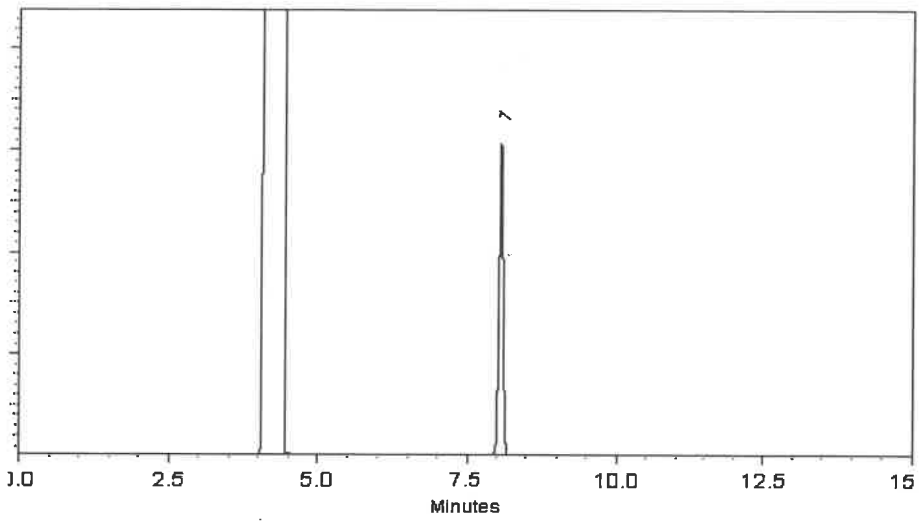
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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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:

- 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

Lee 03/31/25

Certificate of Analysis

gravimetric

V14904 to V14913

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Certificate #3222.01

ilac-MRA
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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. : 555582 **Lot No.:** A0223904

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	25,108.0 µg/mL	+/- 1,421.9957
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,108.0 µg/mL	+/- 1,421.9957
3	Dibromofluoromethane	1868-53-7	VENKAT02	99%	25,232.0 µg/mL	+/- 1,429.0184
4	Toluene-d8	2037-26-5	PR-34141	99%	25,156.0 µg/mL	+/- 1,424.7141

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 27-Mar-2025 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- 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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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

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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

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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
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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

Rec 05/19/25

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20 Vial

Certificate of Analysis

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VJ14951 to VJ14970

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Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0222076

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 : August 31, 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	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* 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

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VJ14951 to VJ14970

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0222076

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 : August 31, 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	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* 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

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Certified Reference Material CRM

Rec 10/16/25 5 Vial

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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 101625
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

Expiration Date: 111625
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

V15071 – V15075

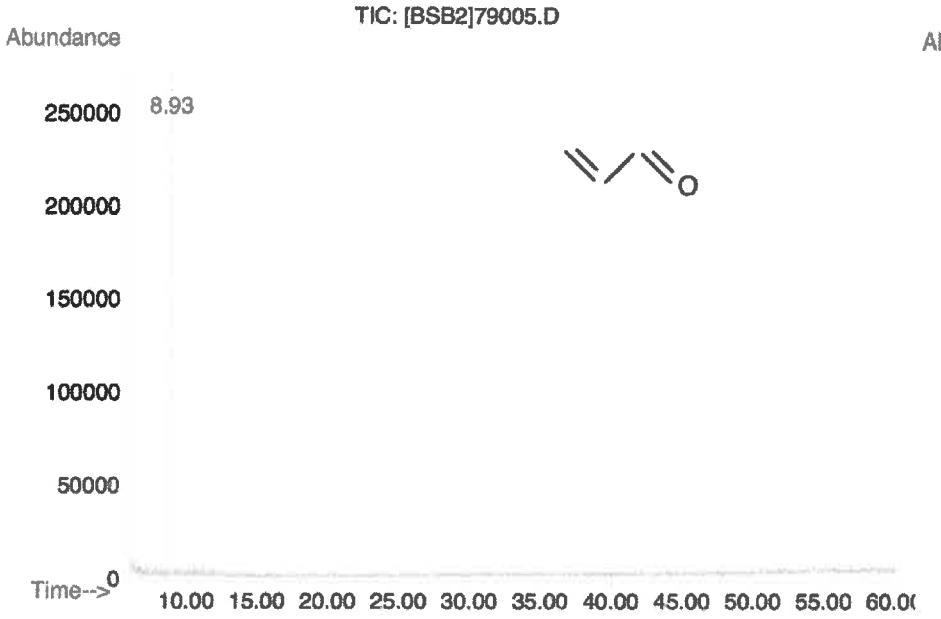
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

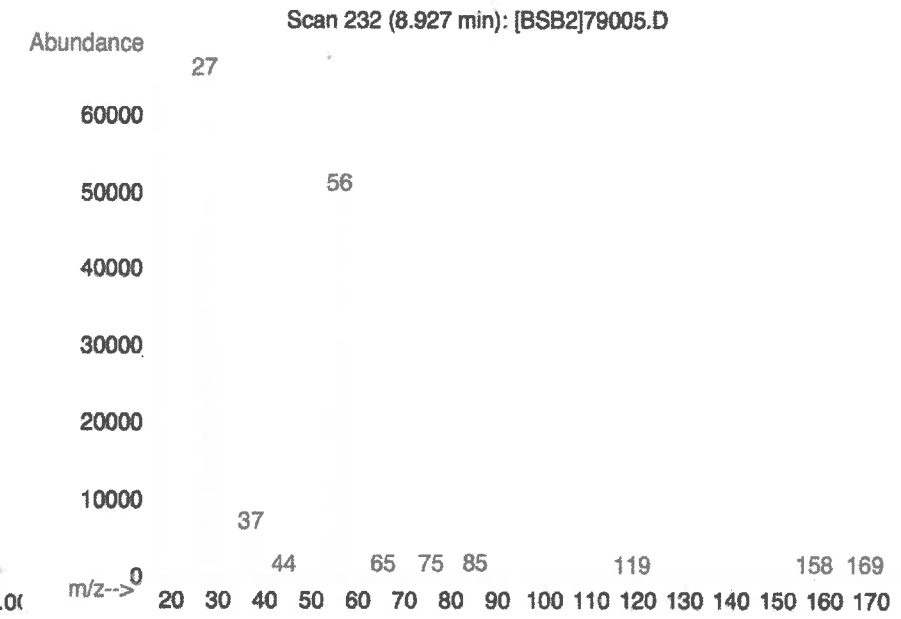
Weight(s) shown below were combined and diluted to (mL): 10.0

Prashant Chauhan		101625
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		101625
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.





- **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. Goverament Printing Office, Washington, DC, (1994).**
  Rev 1.0, 2/25/2025

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Certified Reference Material CRM

Rec 10/16/25 5 Vial

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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 101625
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

Expiration Date: 111625
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

V15071 – V15075

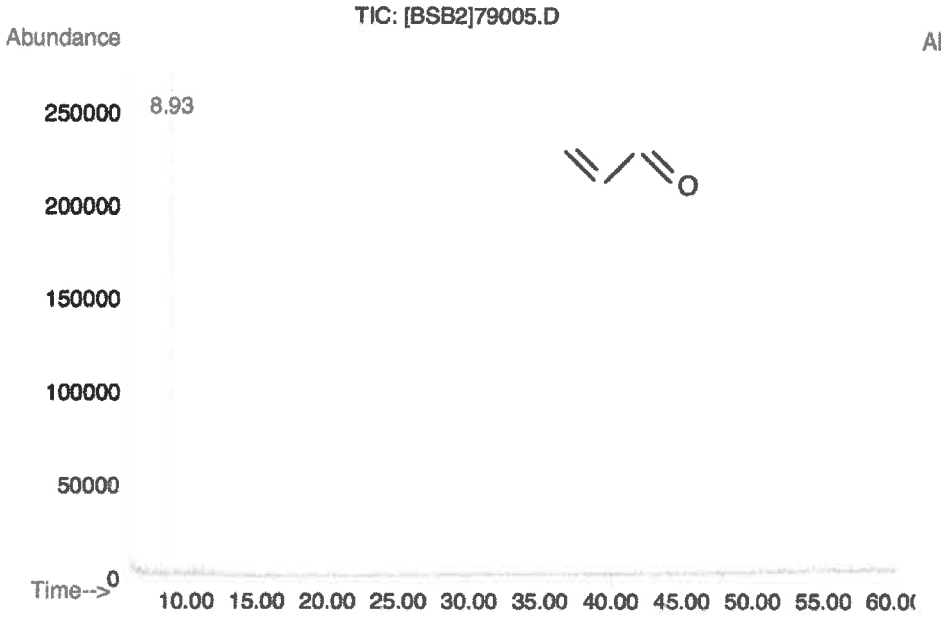
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

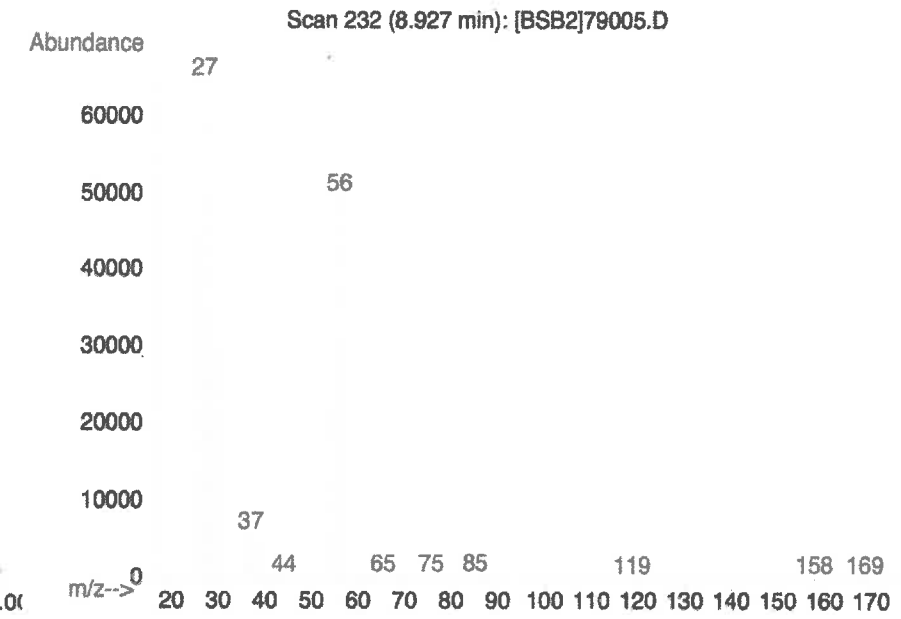
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Prashant Chauhan		101625
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		101625
Reviewed By:	Pedro L. Rentas	DATE

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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  Rev 1.0, 2/25/2025

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Rec 10/16/25 5 Vial

ANAB ISO 17034 Accredited
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CERTIFIED WEIGHT REPORT

Part Number: 91980
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Expiration Date: 111625
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

V15071 – V15075

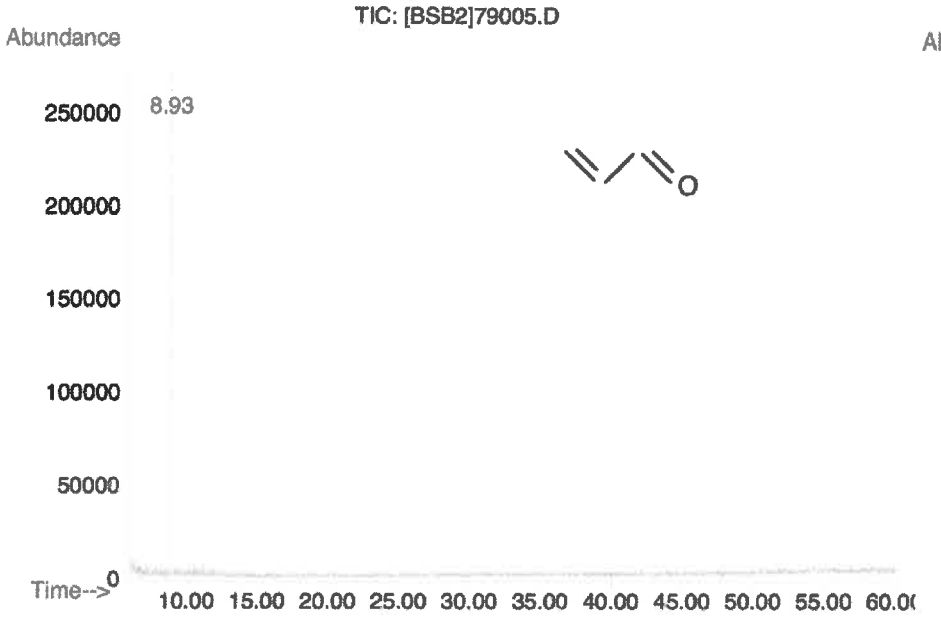
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

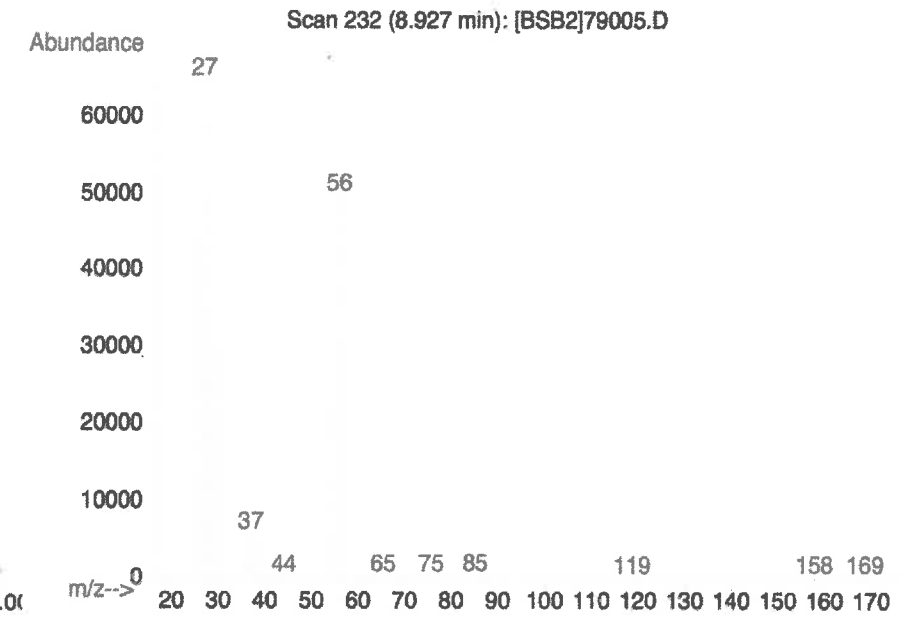
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Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		101625
Reviewed By:	Pedro L. Rentas	DATE

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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  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	Q3376-01	38.40-32.84=5.56	10:00	36.12-32.89=3.23	10:01	32.40-28.34=4.06	10:02	V14921	10/20/2025	8260 TERRACORE SAMPLES
2	Q3376-02	37.54-32.54=5	10:02	37.58-32.75=4.83	10:03	32.60-27.95=4.65	10:04	V14921	10/20/2025	
3	Q3376-03	35.74-31.17=4.57	10:05	35.04-30.94=4.1	10:06	31.77-28.00=3.77	10:07	V14921	10/20/2025	
4	Q3376-04	38.27-33.44=4.83	10:08	37.01-33.20=3.81	10:09	32.88-28.01=4.87	10:10	V14921	10/20/2025	
5	Q3376-05	34.33-31.39=2.94	10:11	34.29-31.20=3.09	10:12	32.41-28.28=4.13	10:15	V14921	10/20/2025	

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

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3376
QUOTE NO.
COC Number 2045167 Q3379

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond
PROJECT NO.: 60693795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: robert.forstner@aecom.com
PHONE: 212-377-8721 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner PHONE: 212-377-8721

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1: SVOCs
2: Pesticides-TCL
3: Mercury-Metals
4: PCBs/Hexchrom
5: Dioxin
6: Grain Size
7: TOC
8: VOCs
9:

PRESERVATIVES

Method

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	PR132-SO5-057082-20251016	S		X	10/16	1035	11	X	X	X	X	X	X	X	X	
2.	PR132-DP01-20251016	S		X	10/16	1050	11	X	X	X	X	X	X	X	X	
3.	PR132-COMP2-20251016	S	X		10/16	1250	11	X	X	X	X	X	X	X	X	
4.	PR132-SI2-047072-20251016	S		X	10/16	1325	11	X	X	X	X	X	X	X	X	
5.	PR132-SI2-020047-20251016	S		X	10/16	1315	11	X	X	X	X	X	X	X	X	
6.	PR132-FB01-20251016	A			10/16	1355	1	X	X	X	X	X			X	
7.	Temp Blank	A													X	
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Jim Aldersen	1650 10/16/25	1. 1650 10-16-25
2.	DATE/TIME:	2.
3.	DATE/TIME: 1805 10-16-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments:

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3376 AECO02
Client Name : AECOM
Client Contact : Rob Forstner
Invoice Name : AECOM
Invoice Contact : Rob Forstner

Order Date : 10/17/2025 10:34:00 AM
Project Name : AE1-CTY 3.2.Z-PR-DOCK
Receive DateTime : 10/16/2025 6:15:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 10/17/2025 1:53:32 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3376-01	PR132-S05-057082-20251016	Solid	10/16/2025	10:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-02	PR132-DP01-20251016	Solid	10/16/2025	10:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-03	PR132-COMP2-20251016	Solid	10/16/2025	12:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-04	PR132-S12-047072-20251016	Solid	10/16/2025	13:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-05	PR132-S12-020047-20251016	Solid	10/16/2025	13:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-07	PR132-FB01-20251016	Water	10/16/2025	13:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

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Client Contact : Rob Forstner
Invoice Name : AECOM
Invoice Contact : Rob Forstner

Order Date : 10/17/2025 10:34:00 AM
Project Name : AE1-CTY 3.2.Z-PR-DOCK
Receive DateTime : 10/16/2025 6:15:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : NYS ASP ~~A~~ B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 10/17/2025 1:53:32 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : [signature]
Date / Time : 10/17/25 14:10

Received By : [signature]
Date / Time : 10/17/25 14:10

Storage Area : VOA Refridgerator Room

Rg #6
Rg #2
Rg #5