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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : Q1790

ATTENTION : John Ynfante

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1790

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q1790-01	S-872-G1-SO-20.0-20.5-041025
Q1790-02	S-872-G1-SO-20.0-20.5-041025MS
Q1790-03	S-872-G1-SO-20.0-20.5-041025MSD
Q1790-04	S-871-G1-SO-23.0-23.5-041025
Q1790-05	S-871-G1-SO-23.0-23.5-041025-FD
Q1790-06	S-870-G1-SO-22.0-22.5-041025
Q1790-17	EB01-041025
Q1790-19	FB01-041025

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 : **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 9:57 am, Apr 23, 2025

Date: 4/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Chemtech Project # Q1790
Test Name: VOCMS Group4

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 04/10/2025.
2 Water samples were received on 04/10/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group4. This data package contains results for VOCMS Group4.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group4 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for S-872-G1-SO-20.0-20.5-041025MSD passing in parent sample and MS therefore no corrective action taken.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD {Q1790-03MSD} with File ID: VY021896.D recoveries met the acceptable requirements except for Trichloroethene[176%] due to matrix interference.

The RPD for {Q1790-03MSD} with File ID: VY021896.D met criteria except for Trichloroethene[33%] due to difference in results of MS and MSD.

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

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The Tuning criteria met requirements.

E. Additional Comments:
Trip Blank was not provided with this set of samples.

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

S-871-G1-SO-23.0-23.5-041025 and S-870-G1-SO-22.0-22.5-041025 were directly run in methanol due to high concentration of Trichloroethene.

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

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

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

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:58 am, Apr 23, 2025

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1790 MATRIX: /Water

METHOD: 8260-Low,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 Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MSD {Q1790-03MSD} with File ID: VY021896.D recoveries met the acceptable requirements except for Trichloroethene[176%] due to matrix interference. The RPD for {Q1790-03MSD} with File ID: VY021896.D met criteria except for Trichloroethene[33%] due to difference in results of MS and MSD.		✓	
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments: The Internal Standards Areas met the acceptable requirements except for S-872-G1-SO-20.0-20.5-041025MSD passing in parent sample and MS therefore no corrective action taken.		✓	
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

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

NA NO YES

Trip Blank was not provided with this set of samples.

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

S-871-G1-SO-23.0-23.5-041025 and S-870-G1-SO-22.0-22.5-041025 were directly run in methanol due to high concentration of Trichloroethene

.

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

QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 9:45 am, Apr 23, 2025

Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1790

	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:** 04/22/2025

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LAB CHRONICLE

OrderID:	Q1790	**OrderDate:**	4/11/2025 11:32:42 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1790-01	**S-872-G1-SO-20.0-20.5-041025**	**SOIL**			**04/10/25**			**04/10/25**
			VOCMS Group4	8260D			04/15/25	
Q1790-04	**S-871-G1-SO-23.0-23.5-041025**	**SOIL**			**04/10/25**			**04/10/25**
			VOCMS Group4	8260D			04/14/25	
Q1790-05	**S-871-G1-SO-23.0-23.5-041025-FD**	**SOIL**			**04/10/25**			**04/10/25**
			VOCMS Group4	8260D			04/15/25	
Q1790-06	**S-870-G1-SO-22.0-22.5-041025**	**SOIL**			**04/10/25**			**04/10/25**
			VOCMS Group4	8260D			04/14/25	
Q1790-17	**EB01-041025**	**Water**			**04/10/25**			**04/10/25**
			VOCMS Group4	8260-Low			04/11/25	
Q1790-19	**FB01-041025**	**Water**			**04/10/25**			**04/10/25**
			VOCMS Group4	8260-Low			04/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1790

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**S-872-G1-SO-20.0-20.5-041025**							
Q1790-01	S-872-G1-SO-20.0-	SOIL	Trichloroethene	20.3		0.74	4.60	ug/Kg
			Total Voc :	20.3				
			Total Concentration:	20.3				
Client ID:	**S-871-G1-SO-23.0-23.5-041025**							
Q1790-04	S-871-G1-SO-23.0-	SOIL	Trichloroethene	2400		38.8	240	ug/Kg
			Total Voc :	2400				
			Total Concentration:	2400				
Client ID:	**S-871-G1-SO-23.0-23.5-041025-FD**							
Q1790-05	S-871-G1-SO-23.0-	SOIL	Trichloroethene	32.5		0.79	4.90	ug/Kg
			Total Voc :	32.5				
			Total Concentration:	32.5				
Client ID:	**S-870-G1-SO-22.0-22.5-041025**							
Q1790-06	S-870-G1-SO-22.0-	SOIL	Trichloroethene	5500		41.0	250	ug/Kg
			Total Voc :	5500				
			Total Concentration:	5500				

QC SUMMARY

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Surrogate Summary

SDG No.: Q1790

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1790-01	S-872-G1-SO-20.0-20.5-041025	1,2-Dichloroethane-d4	50	50.3	101	63	155
		Dibromofluoromethane	50	51.2	102	70	134
		Toluene-d8	50	48.1	96	74	123
		4-Bromofluorobenzene	50	41.9	84	38	136
Q1790-02MS	S-872-G1-SO-20.0-20.5-041025MS	1,2-Dichloroethane-d4	50	46.4	93	63	155
		Dibromofluoromethane	50	49.2	98	70	134
		Toluene-d8	50	49.1	98	74	123
		4-Bromofluorobenzene	50	50.0	100	38	136
Q1790-03MSD	S-872-G1-SO-20.0-20.5-041025MSD	1,2-Dichloroethane-d4	50	52.9	106	63	155
		Dibromofluoromethane	50	54.1	108	70	134
		Toluene-d8	50	52.2	104	74	123
		4-Bromofluorobenzene	50	55.2	110	38	136
Q1790-04	S-871-G1-SO-23.0-23.5-041025	1,2-Dichloroethane-d4	50	53.6	107	63	155
		Dibromofluoromethane	50	49.1	98	70	134
		Toluene-d8	50	49.9	100	74	123
		4-Bromofluorobenzene	50	51.0	102	38	136
Q1790-05	S-871-G1-SO-23.0-23.5-041025-FD	1,2-Dichloroethane-d4	50	54.1	108	63	155
		Dibromofluoromethane	50	51.3	103	70	134
		Toluene-d8	50	48.9	98	74	123
		4-Bromofluorobenzene	50	42.4	85	38	136
Q1790-06	S-870-G1-SO-22.0-22.5-041025	1,2-Dichloroethane-d4	50	52.1	104	63	155
		Dibromofluoromethane	50	49.1	98	70	134
		Toluene-d8	50	49.9	100	74	123
		4-Bromofluorobenzene	50	51.6	103	38	136
VX0414MBL01	VX0414MBL01	1,2-Dichloroethane-d4	50	54.6	109	63	155
		Dibromofluoromethane	50	50.2	100	70	134
		Toluene-d8	50	50.1	100	74	123
		4-Bromofluorobenzene	50	51.3	103	38	136
VX0414MBS01	VX0414MBS01	1,2-Dichloroethane-d4	50	53.4	107	63	155
		Dibromofluoromethane	50	53.3	107	70	134
		Toluene-d8	50	50.9	102	74	123
		4-Bromofluorobenzene	50	51.5	103	38	136
VY0415SBL01	VY0415SBL01	1,2-Dichloroethane-d4	50	44.7	89	63	155
		Dibromofluoromethane	50	48.6	97	70	134
		Toluene-d8	50	47.5	95	74	123
		4-Bromofluorobenzene	50	37.9	76	38	136
VY0415SBS01	VY0415SBS01	1,2-Dichloroethane-d4	50	49.9	100	63	155
		Dibromofluoromethane	50	51.6	103	70	134
		Toluene-d8	50	51.7	103	74	123
		4-Bromofluorobenzene	50	53.3	107	38	136

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Surrogate Summary

SDG No.: Q1790

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1790-17	EB01-041025	1,2-Dichloroethane-d4	50	54.5	109	74	125
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	50.7	101	86	113
		4-Bromofluorobenzene	50	52.9	106	77	121
Q1790-19	FB01-041025	1,2-Dichloroethane-d4	50	55.6	111	74	125
		Dibromofluoromethane	50	51.8	104	75	124
		Toluene-d8	50	51.1	102	86	113
		4-Bromofluorobenzene	50	52.4	105	77	121
VX0411WBL01	VX0411WBL01	1,2-Dichloroethane-d4	50	53.5	107	74	125
		Dibromofluoromethane	50	51.2	102	75	124
		Toluene-d8	50	50.0	100	86	113
		4-Bromofluorobenzene	50	50.4	101	77	121
VX0411WBS01	VX0411WBS01	1,2-Dichloroethane-d4	50	50.5	101	74	125
		Dibromofluoromethane	50	50.6	101	75	124
		Toluene-d8	50	49.2	98	86	113
		4-Bromofluorobenzene	50	50.6	101	77	121
VX0411WBSD0	VX0411WBSD01	1,2-Dichloroethane-d4	50	52.3	105	74	125
		Dibromofluoromethane	50	49.8	100	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	52.9	106	77	121

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1790

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID :	**Q1790-02MS**	**Client Sample ID :**	**S-872-G1-SO-20.0-20.5-041025MS**				**Datafile :**	VY021895.D			
Trichloroethene	44.4	20.3	76.2	ug/Kg	126				45	154	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1790

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID :	**Q1790-03MSD**	**Client Sample ID :**	**S-872-G1-SO-20.0-20.5-041025MSD**				**Datafile :**	VY021896.D			
Trichloroethene	45.3	20.3	100	ug/Kg	176	*	33	*	45	154	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1790

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0411WBS01	Trichloroethene	20	17.6	ug/L	88			77	113	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1790

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045734.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0411WBSD01	Trichloroethene	20	18.4	ug/L	92	4		77	113	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1790

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260D **Datafile :** VX045758.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0414MBS01	Trichloroethene	2000	1800	ug/Kg	90			83	122	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1790

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260D **Datafile :** VY021884.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0415SBS01	Trichloroethene	20	20.2	ug/Kg	101			83	122	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0411WBL01

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VX045732.D Lab Sample ID: VX0411WBL01

Date Analyzed: 04/11/2025 Time Analyzed: 11:32

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
VX0411WBS01	VX0411WBS01	VX045733.D	04/11/2025
VX0411WBSD01	VX0411WBSD01	VX045734.D	04/11/2025
EB01-041025	Q1790-17	VX045738.D	04/11/2025
FB01-041025	Q1790-19	VX045739.D	04/11/2025

COMMENTS:

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Fax : 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0414MBL01

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VX045756.D Lab Sample ID: VX0414MBL01

Date Analyzed: 04/14/2025 Time Analyzed: 10:18

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
VX0414MBS01	VX0414MBS01	VX045758.D	04/14/2025
S-871-G1-SO-23.0-23.5-041025	Q1790-04	VX045761.D	04/14/2025
S-870-G1-SO-22.0-22.5-041025	Q1790-06	VX045762.D	04/14/2025

COMMENTS:

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Fax : 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0415SBL01

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VY021883.D Lab Sample ID: VY0415SBL01

Date Analyzed: 04/15/2025 Time Analyzed: 09:37

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
VY0415SBS01	VY0415SBS01	VY021884.D	04/15/2025
S-872-G1-SO-20.0-20.5-041025	Q1790-01	VY021886.D	04/15/2025
S-871-G1-SO-23.0-23.5-041025-FD	Q1790-05	VY021893.D	04/15/2025
S-872-G1-SO-20.0-20.5-041025MS	Q1790-02MS	VY021895.D	04/15/2025
S-872-G1-SO-20.0-20.5-041025MSD	Q1790-03MSD	VY021896.D	04/15/2025

COMMENTS:

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VX045524.D BFB Injection Date: 04/01/2025

Instrument ID: MSVOA_X BFB Injection Time: 16:15

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	23.6
75	30.0 - 60.0% of mass 95	58.2
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	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	66.8
175	5.0 - 9.0% of mass 174	5.2 (7.8) 1
176	95.0 - 101.0% of mass 174	65.3 (97.8) 1
177	5.0 - 9.0% of mass 176	4.4 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX045525.D	04/01/2025	17:06
VSTDICC005	VSTDICC005	VX045526.D	04/01/2025	17:29
VSTDICC020	VSTDICC020	VX045527.D	04/01/2025	17:52
VSTDICCC050	VSTDICCC050	VX045528.D	04/01/2025	18:15
VSTDICC100	VSTDICC100	VX045529.D	04/01/2025	18:38
VSTDICC150	VSTDICC150	VX045530.D	04/01/2025	19:02

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VX045729.D BFB Injection Date: 04/11/2025

Instrument ID: MSVOA_X BFB Injection Time: 10:14

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	23.2
75	30.0 - 60.0% of mass 95	59.1
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	0.8 (1.3) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5 (7.5) 1
176	95.0 - 101.0% of mass 174	63.3 (95.7) 1
177	5.0 - 9.0% of mass 176	4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045730.D	04/11/2025	10:41
VX0411WBL01	VX0411WBL01	VX045732.D	04/11/2025	11:32
VX0411WBS01	VX0411WBS01	VX045733.D	04/11/2025	11:55
VX0411WBSD01	VX0411WBSD01	VX045734.D	04/11/2025	12:22
EB01-041025	Q1790-17	VX045738.D	04/11/2025	13:55
FB01-041025	Q1790-19	VX045739.D	04/11/2025	14:18

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VX045754.D BFB Injection Date: 04/14/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:20

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	23.3
75	30.0 - 60.0% of mass 95	57.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	64.4
175	5.0 - 9.0% of mass 174	4.6 (7.1) 1
176	95.0 - 101.0% of mass 174	63.3 (98.3) 1
177	5.0 - 9.0% of mass 176	4.2 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045755.D	04/14/2025	09:50
VX0414MBL01	VX0414MBL01	VX045756.D	04/14/2025	10:18
VX0414MBS01	VX0414MBS01	VX045758.D	04/14/2025	11:04
S-871-G1-SO-23.0-23.5-041025	Q1790-04	VX045761.D	04/14/2025	12:18
S-870-G1-SO-22.0-22.5-041025	Q1790-06	VX045762.D	04/14/2025	12:41

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VY021655.D BFB Injection Date: 03/27/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:23

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	20.4
75	30.0 - 60.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.7 (2) 1
174	50.0 - 100.0% of mass 95	86.7
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.9 (95.6) 1
177	5.0 - 9.0% of mass 176	5.6 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021656.D	03/27/2025	10:08
VSTDICC010	VSTDICC010	VY021657.D	03/27/2025	10:31
VSTDICC020	VSTDICC020	VY021658.D	03/27/2025	10:54
VSTDICCC050	VSTDICCC050	VY021659.D	03/27/2025	11:16
VSTDICC100	VSTDICC100	VY021660.D	03/27/2025	11:39
VSTDICC150	VSTDICC150	VY021661.D	03/27/2025	12:02

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VY021881.D BFB Injection Date: 04/15/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:33

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	19.8
75	30.0 - 60.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1.2 (1.4) 1
174	50.0 - 100.0% of mass 95	83.4
175	5.0 - 9.0% of mass 174	6.5 (7.8) 1
176	95.0 - 101.0% of mass 174	79.4 (95.2) 1
177	5.0 - 9.0% of mass 176	5.1 (6.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021882.D	04/15/2025	09:03
VY0415SBL01	VY0415SBL01	VY021883.D	04/15/2025	09:37
VY0415SBS01	VY0415SBS01	VY021884.D	04/15/2025	10:08
S-872-G1-SO-20.0-20.5-041025	Q1790-01	VY021886.D	04/15/2025	11:18
S-871-G1-SO-23.0-23.5-041025-FD	Q1790-05	VY021893.D	04/15/2025	14:02
S-872-G1-SO-20.0-20.5-041025MS	Q1790-02MS	VY021895.D	04/15/2025	14:49
S-872-G1-SO-20.0-20.5-041025MSD	Q1790-03MSD	VY021896.D	04/15/2025	15:11

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VX045730.D Date Analyzed: 04/11/2025

Instrument ID: MSVOA_X Time Analyzed: 10:41

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	97283	5.54	164714	6.76	147741	10.05
UPPER LIMIT	194566	6.044	329428	7.257	295482	10.549
LOWER LIMIT	48641.5	5.044	82357	6.257	73870.5	9.549
EPA SAMPLE NO.						
EB01-041025	68658	5.54	132687	6.76	124480	10.05
FB01-041025	62833	5.54	124103	6.76	115712	10.06
VX0411WBL01	65554	5.55	128675	6.76	118153	10.05
VX0411WBS01	92540	5.54	163903	6.76	140888	10.05
VX0411WBSD01	84320	5.54	150272	6.76	131860	10.05

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VX045730.D Date Analyzed: 04/11/2025

Instrument ID: MSVOA_X Time Analyzed: 10:41

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

	IS4 AREA #	RT #				
12 HOUR STD	71449	12.018				
UPPER LIMIT	142898	12.518				
LOWER LIMIT	35724.5	11.518				
EPA SAMPLE NO.						
EB01-041025	52148	12.02				
FB01-041025	50021	12.02				
VX0411WBL01	48353	12.02				
VX0411WBS01	64715	12.02				
VX0411WBSD01	63206	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VX045755.D Date Analyzed: 04/14/2025

Instrument ID: MSVOA_X Time Analyzed: 09:50

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	95673	5.54	163598	6.75	144325	10.05
UPPER LIMIT	191346	6.038	327196	7.251	288650	10.549
LOWER LIMIT	47836.5	5.038	81799	6.251	72162.5	9.549
EPA SAMPLE NO.						
S-871-G1-SO-23.0-23.5-041025	72197	5.54	142076	6.76	128869	10.06
S-870-G1-SO-22.0-22.5-041025	67235	5.54	130622	6.76	118702	10.06
VX0414MBL01	66440	5.54	131663	6.76	120808	10.05
VX0414MBS01	93283	5.54	167485	6.76	143860	10.05

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VX045755.D Date Analyzed: 04/14/2025

Instrument ID: MSVOA_X Time Analyzed: 09:50

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

	IS4 AREA #	RT #				
12 HOUR STD	69351	12.018				
UPPER LIMIT	138702	12.518				
LOWER LIMIT	34675.5	11.518				
EPA SAMPLE NO.						
S-871-G1-SO-23.0-23.5-041025	55390	12.02				
S-870-G1-SO-22.0-22.5-041025	51874	12.02				
VX0414MBL01	50823	12.02				
VX0414MBS01	65376	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VY021882.D Date Analyzed: 04/15/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:03

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	252212		7.71	387709		8.62	344739	11.42
UPPER LIMIT	504424		8.207	775418		9.115	689478	11.92
LOWER LIMIT	126106		7.207	193855		8.115	172370	10.92
EPA SAMPLE NO.								
S-872-G1-SO-20.0-20.5-041025	314278		7.71	553790		8.62	468224	11.42
S-872-G1-SO-20.0-20.5-041025MS	160960		7.71	248136		8.62	223338	11.41
S-872-G1-SO-20.0-20.5-041025MS	125617	*	7.71	191919	*	8.62	178956	11.41
S-871-G1-SO-23.0-23.5-041025-F	254996		7.71	479651		8.62	417866	11.41
VY0415SBL01	309792		7.71	553930		8.62	451920	11.42
VY0415SBS01	244075		7.71	380818		8.62	336196	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG NO.: Q1790

Lab File ID: VY021882.D Date Analyzed: 04/15/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:03

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

	IS4 AREA #	RT #				
12 HOUR STD	176924	13.346				
UPPER LIMIT	353848	13.846				
LOWER LIMIT	88462	12.846				
EPA SAMPLE NO.						
S-872-G1-SO-20.0-20.5-041025	180946	13.35				
S-872-G1-SO-20.0-20.5-041025N	117205	13.35				
S-872-G1-SO-20.0-20.5-041025N	98584	13.35				
S-871-G1-SO-23.0-23.5-041025-	162786	13.35				
VY0415SBL01	163838	13.35				
VY0415SBS01	176232	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/10/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/10/25
Client Sample ID:	S-872-G1-SO-20.0-20.5-041025	SDG No.:	Q1790
Lab Sample ID:	Q1790-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	76.1
Sample Wt/Vol:	7.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021886.D	1		04/15/25 11:18	VY041525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
79-01-6	Trichloroethene	20.3		0.74	4.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	48.1		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.9		38 - 136	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	314000	7.707			
540-36-3	1,4-Difluorobenzene	554000	8.615			
3114-55-4	Chlorobenzene-d5	468000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	181000	13.352			

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\VY041525\
Data File : VY021886.D
Acq On : 15 Apr 2025 11:18
Operator : SY/MD
Sample : Q1790-01
Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Quant Time: Apr 15 14:14:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

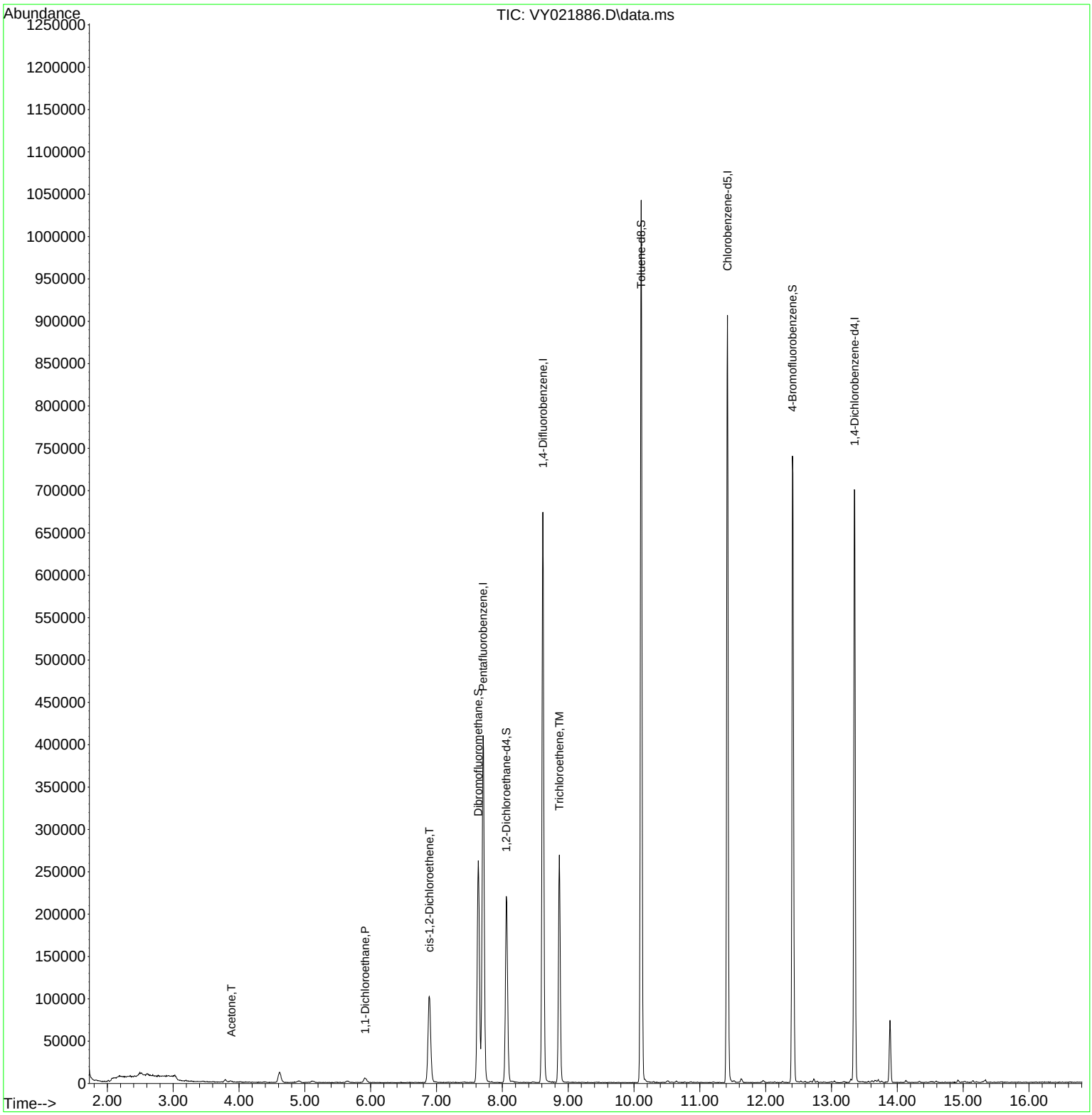
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	314278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	553790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	468224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	180946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171143	50.261	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.520%			
35) Dibromofluoromethane	7.634	113	183817	51.169	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.340%			
50) Toluene-d8	10.109	98	657190	48.088	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.180%			
62) 4-Bromofluorobenzene	12.407	95	193561	41.873	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.740%			
Target Compounds						Qvalue
16) Acetone	3.885	43	2581	3.704	ug/l #	88
24) 1,1-Dichloroethane	5.915	63	7633	1.158	ug/l #	93
27) cis-1,2-Dichloroethene	6.890	96	67028	16.422	ug/l	87
44) Trichloroethene	8.865	130	92286	22.104	ug/l	98

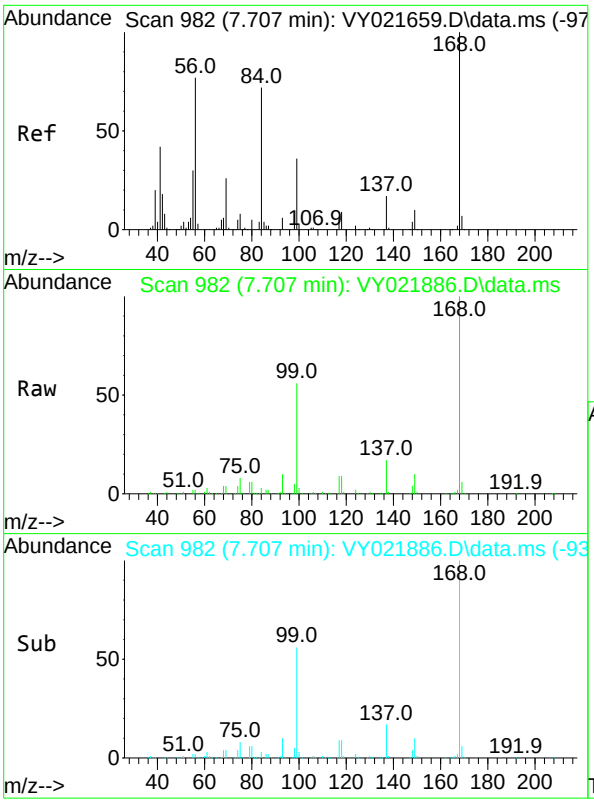
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021886.D
Acq On : 15 Apr 2025 11:18
Operator : SY/MD
Sample : Q1790-01
Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Quant Time: Apr 15 14:14:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



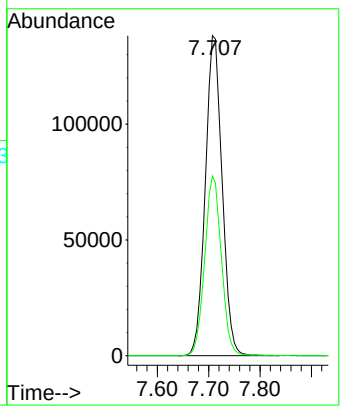


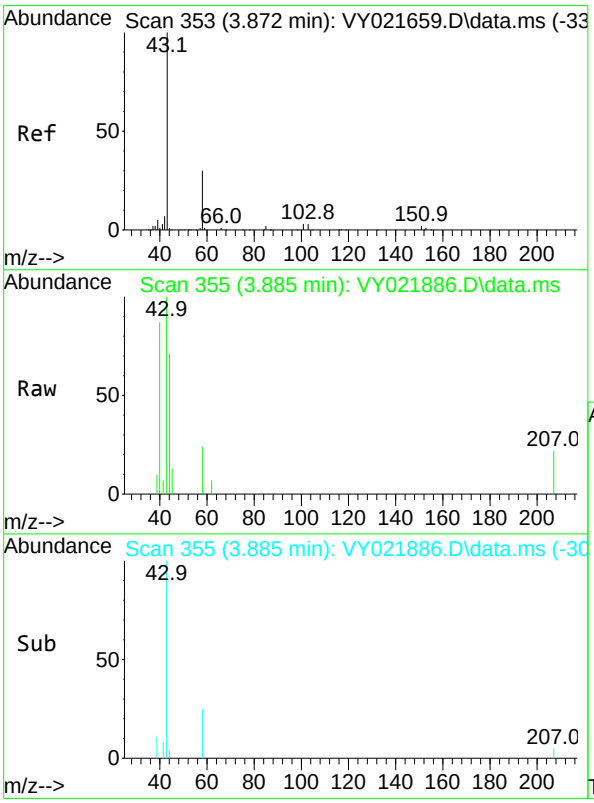
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021886.D
Acq: 15 Apr 2025 11:18

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Tgt Ion:168 Resp: 314278

Ion	Ratio	Lower	Upper
168	100		
99	56.2	46.7	70.1

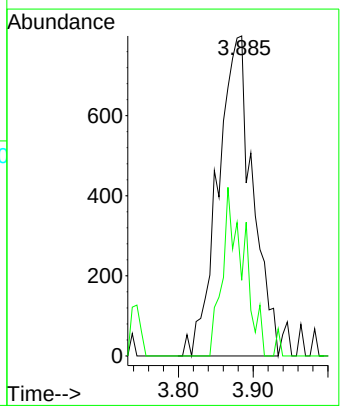


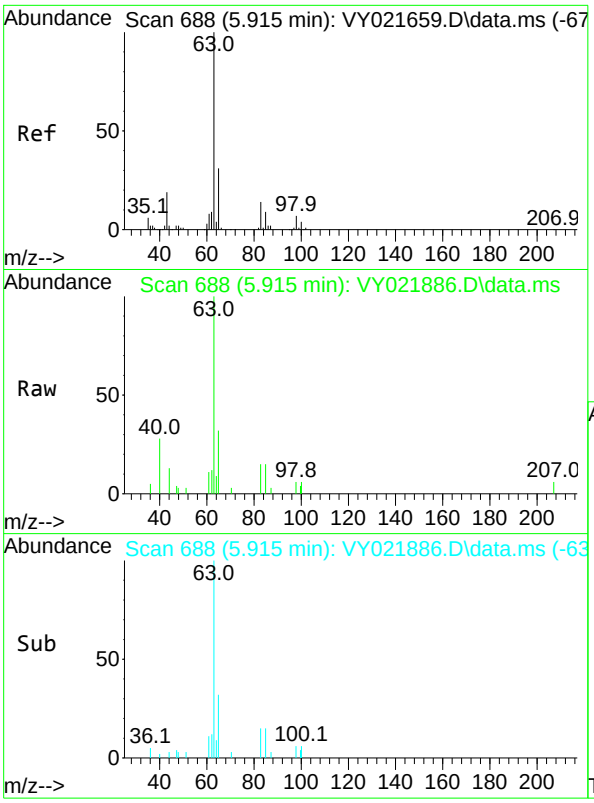


#16
Acetone
Concen: 3.704 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY021886.D
Acq: 15 Apr 2025 11:18

Tgt Ion: 43 Resp: 2581

Ion	Ratio	Lower	Upper
43	100		
58	23.7	24.2	36.4#



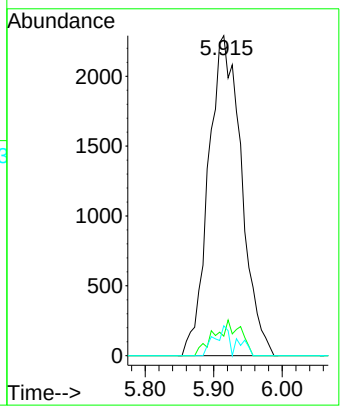


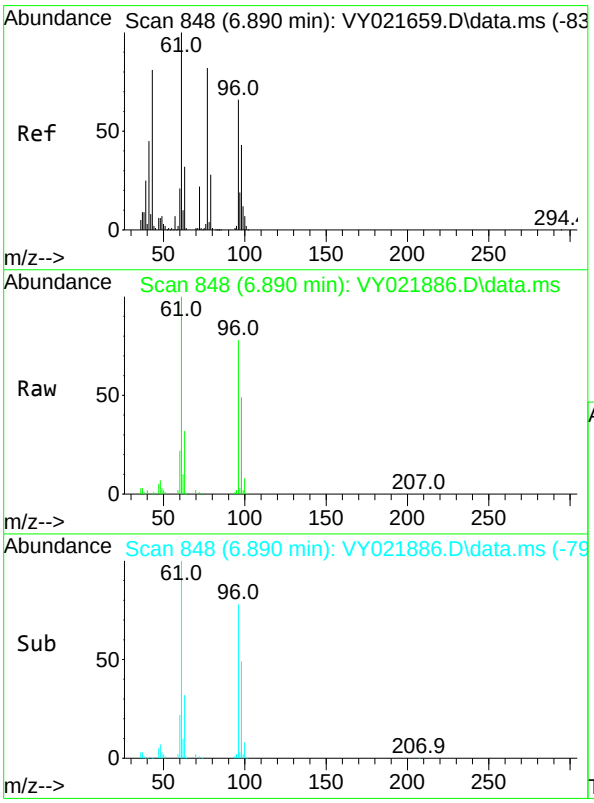
#24
1,1-Dichloroethane
Concen: 1.158 ug/l
RT: 5.915 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021886.D
Acq: 15 Apr 2025 11:18

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Tgt Ion: 63 Resp: 7633

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.5
100	9.3	2.2	6.6#

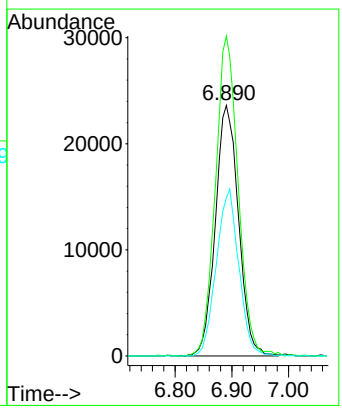


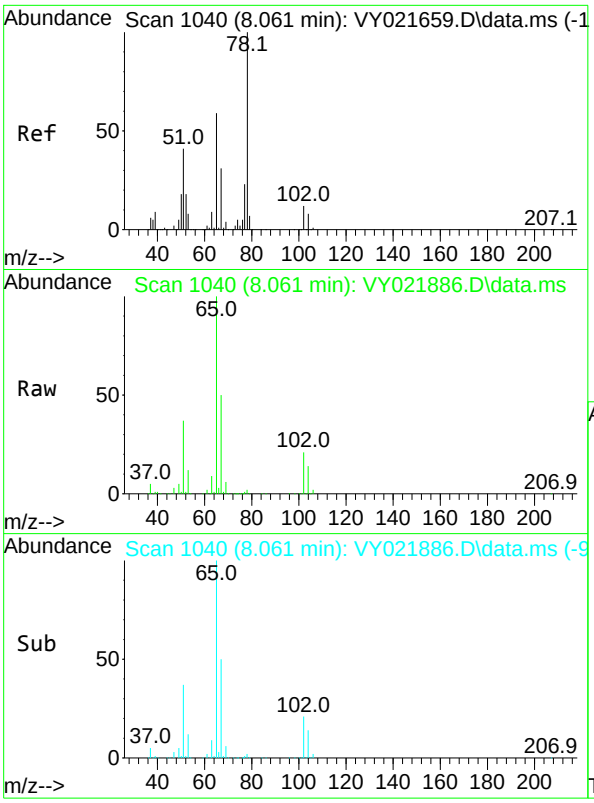


#27
cis-1,2-Dichloroethene
Concen: 16.422 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY021886.D
Acq: 15 Apr 2025 11:18

Tgt Ion: 96 Resp: 67028

Ion	Ratio	Lower	Upper
96	100		
61	125.3	0.0	296.4
98	64.7	0.0	128.0



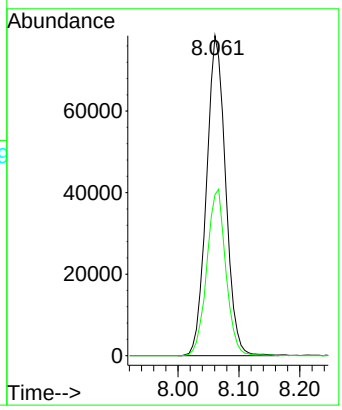


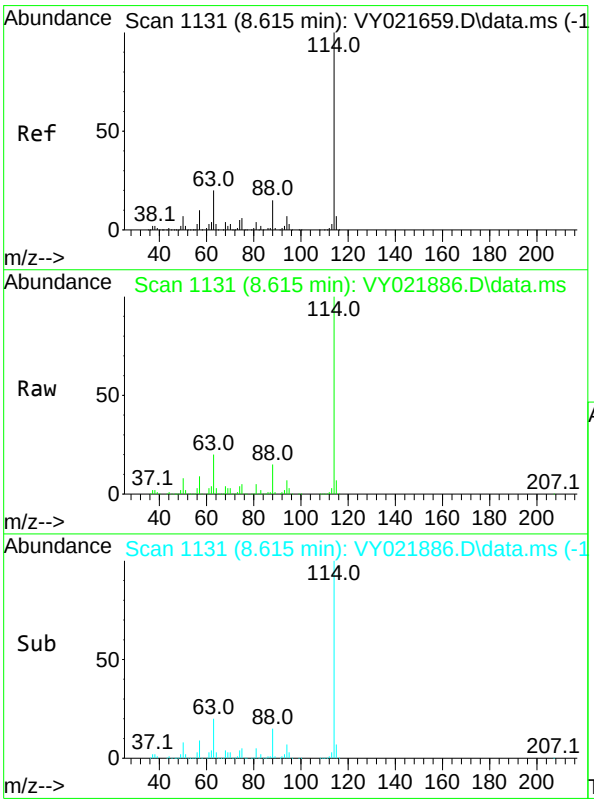
#33
1,2-Dichloroethane-d4
Concen: 50.261 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021886.D
Acq: 15 Apr 2025 11:18

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Tgt Ion: 65 Resp: 171143

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.6

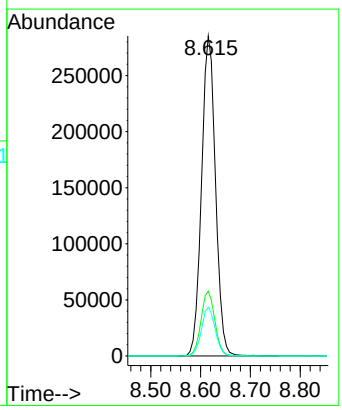


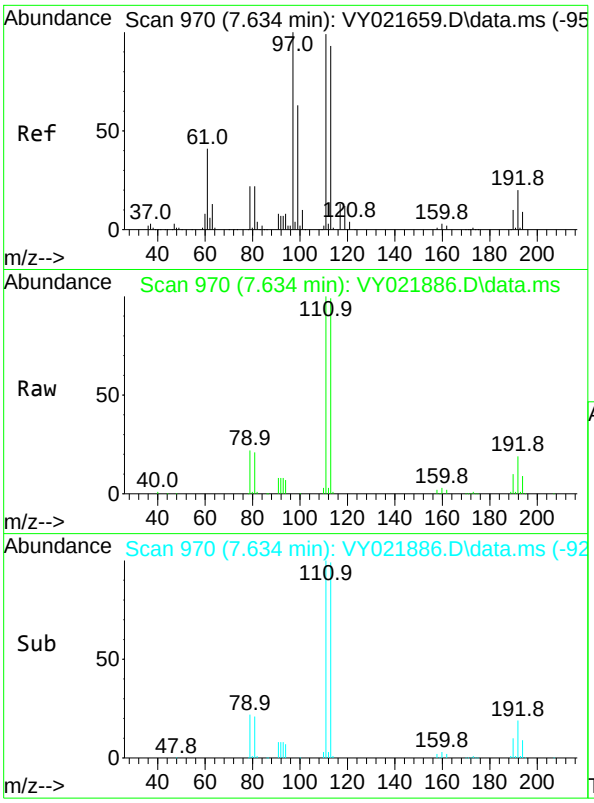


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021886.D
Acq: 15 Apr 2025 11:18

Tgt Ion:114 Resp: 553790

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.2
88	15.3	0.0	29.8



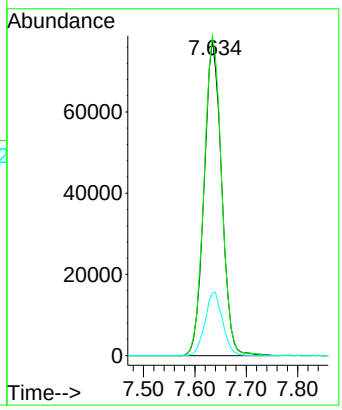


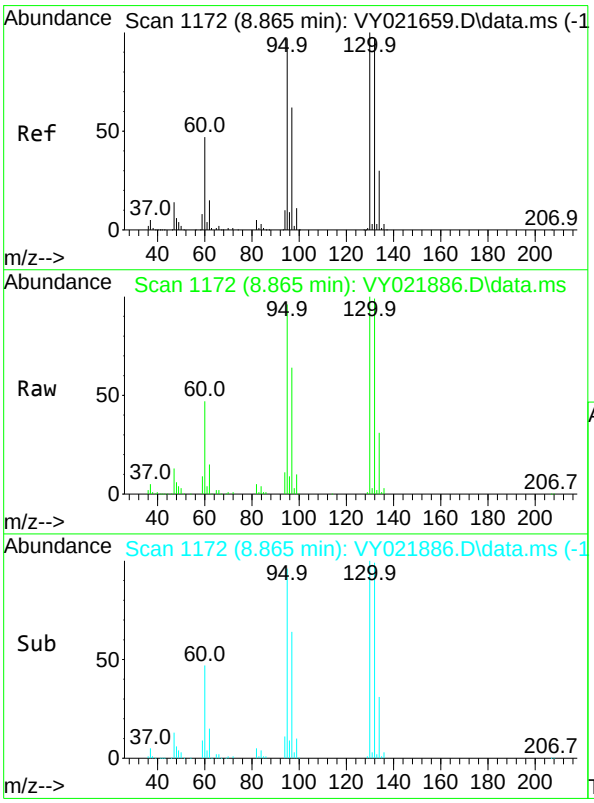
#35
Dibromofluoromethane
Concen: 51.169 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021886.D
Acq: 15 Apr 2025 11:18

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Tgt Ion:113 Resp: 183817

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	123.8
192	20.2	16.2	24.4

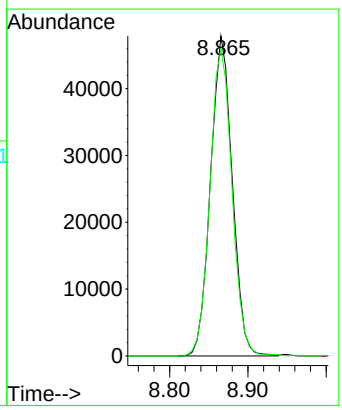


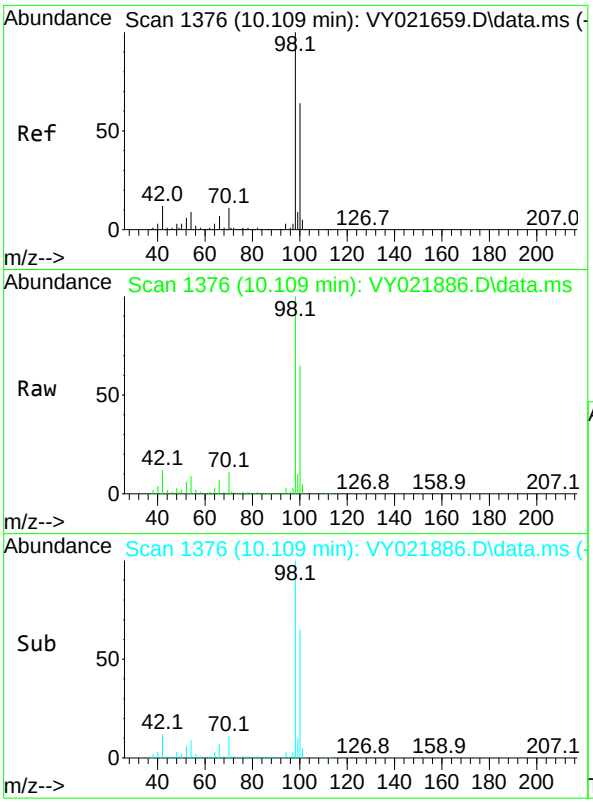


#44
Trichloroethene
Concen: 22.104 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021886.D
Acq: 15 Apr 2025 11:18

Tgt Ion:130 Resp: 92286

Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	194.8



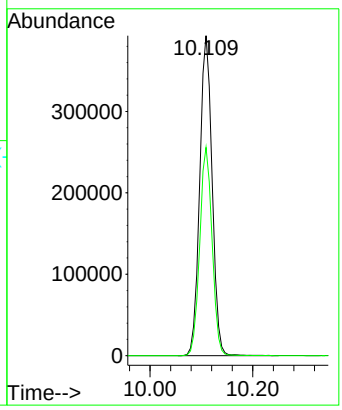


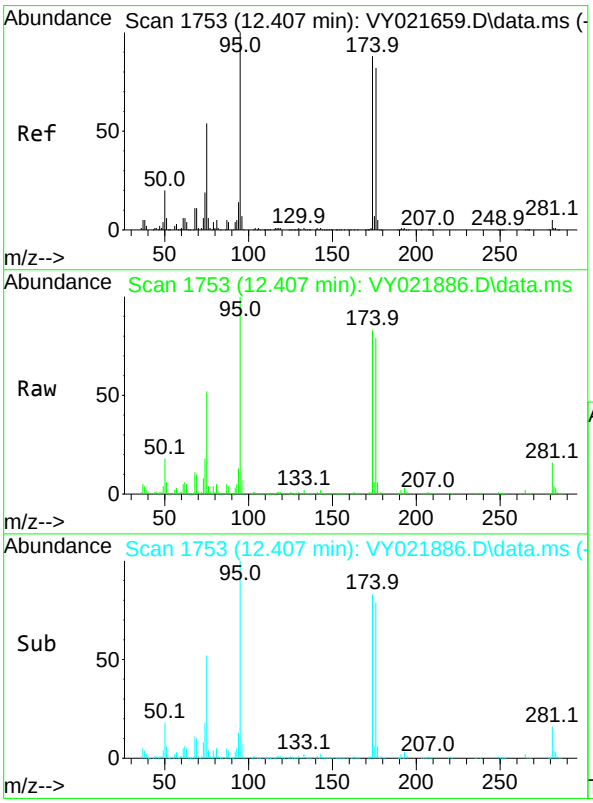
#50
Toluene-d8
Concen: 48.088 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021886.D
Acq: 15 Apr 2025 11:18

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Tgt Ion: 98 Resp: 657190

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1

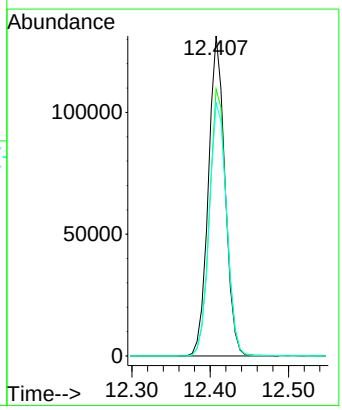


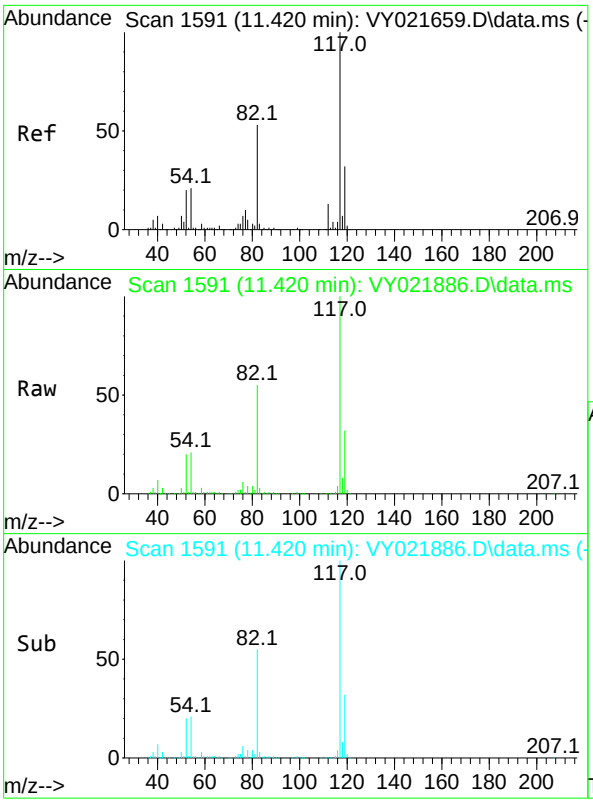


#62
4-Bromofluorobenzene
Concen: 41.873 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021886.D
Acq: 15 Apr 2025 11:18

Tgt Ion: 95 Resp: 193561

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	170.8
176	82.4	0.0	162.0



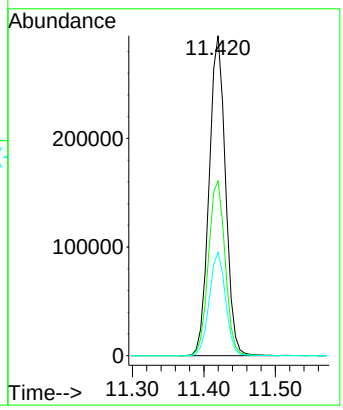


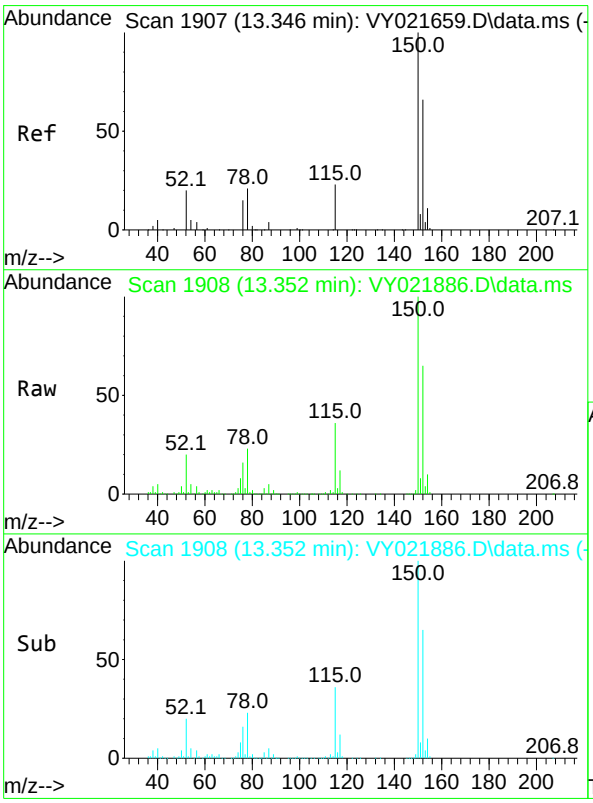
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021886.D
Acq: 15 Apr 2025 11:18

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Tgt Ion:117 Resp: 468224

Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.8	64.2
119	32.3	25.7	38.5

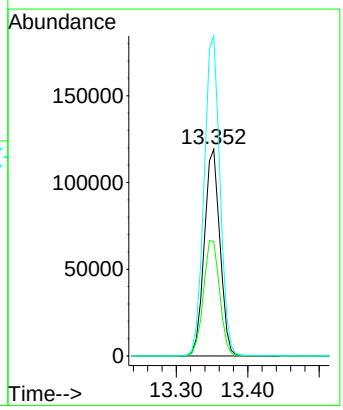




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021886.D
Acq: 15 Apr 2025 11:18

Tgt Ion:152 Resp: 180946

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.8	86.5
150	157.0	0.0	348.4



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/10/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/10/25
Client Sample ID:	S-871-G1-SO-23.0-23.5-041025	SDG No.:	Q1790
Lab Sample ID:	Q1790-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	76.3
Sample Wt/Vol:	6.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group4
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045761.D	1		04/14/25 12:18	VX041425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
79-01-6	Trichloroethene	2400		38.8	240	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	49.9		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		38 - 136	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	72200	5.544			
540-36-3	1,4-Difluorobenzene	142000	6.757			
3114-55-4	Chlorobenzene-d5	129000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	55400	12.024			

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\VX041425\
Data File : VX045761.D
Acq On : 14 Apr 2025 12:18
Operator : JC/MD
Sample : Q1790-04
Misc : 6.84g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

Quant Time: Apr 15 01:27:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

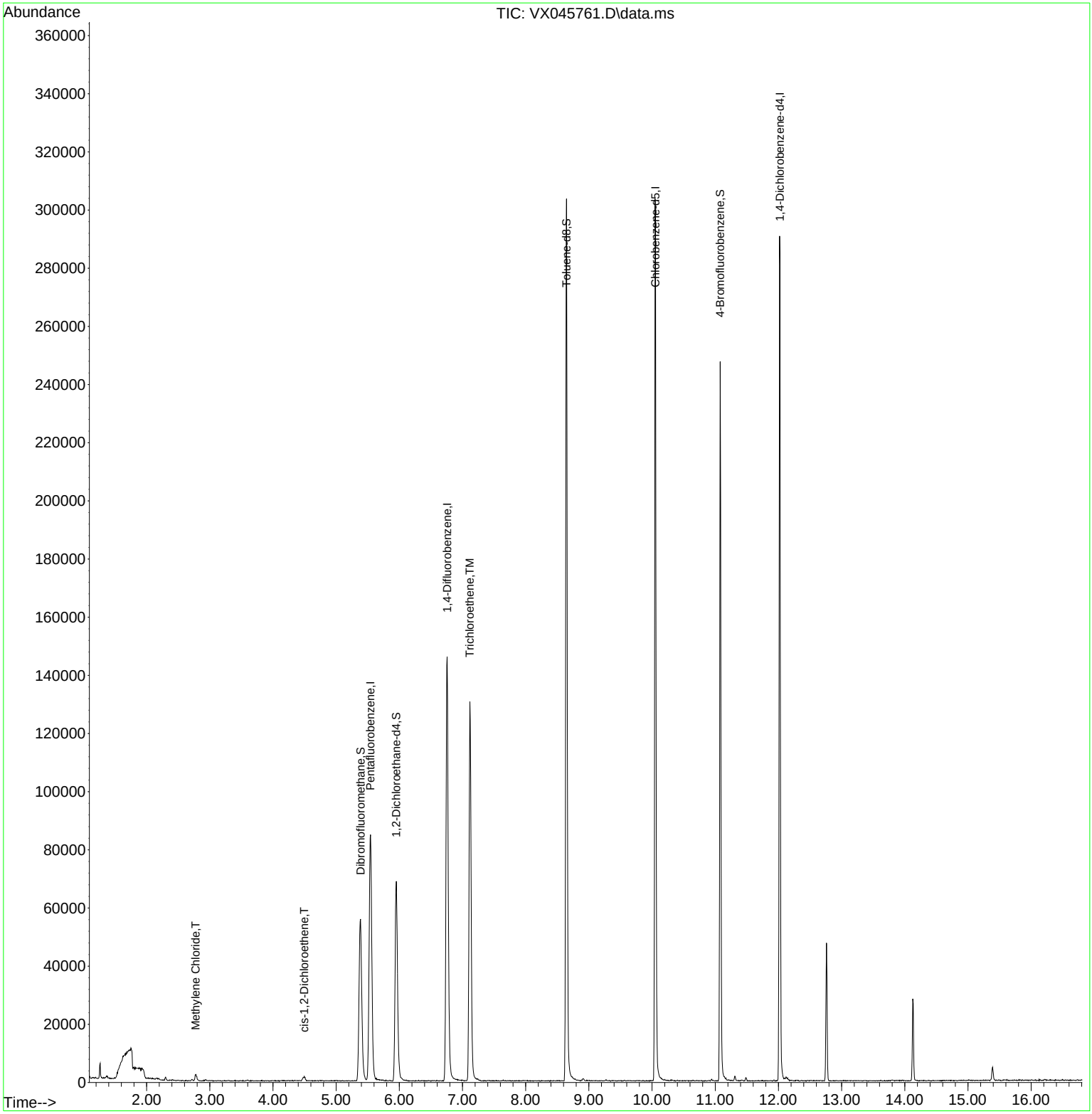
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	72197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142076	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70783	53.612	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.220%			
35) Dibromofluoromethane	5.385	113	49519	49.125	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.240%			
50) Toluene-d8	8.647	98	175612	49.912	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.820%			
62) 4-Bromofluorobenzene	11.079	95	65357	50.997	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.000%			
Target Compounds						Qvalue
20) Methylene Chloride	2.776	84	1191	1.173	ug/l #	87
27) cis-1,2-Dichloroethene	4.495	96	958	0.888	ug/l	80
44) Trichloroethene	7.117	130	48631	49.222	ug/l	95

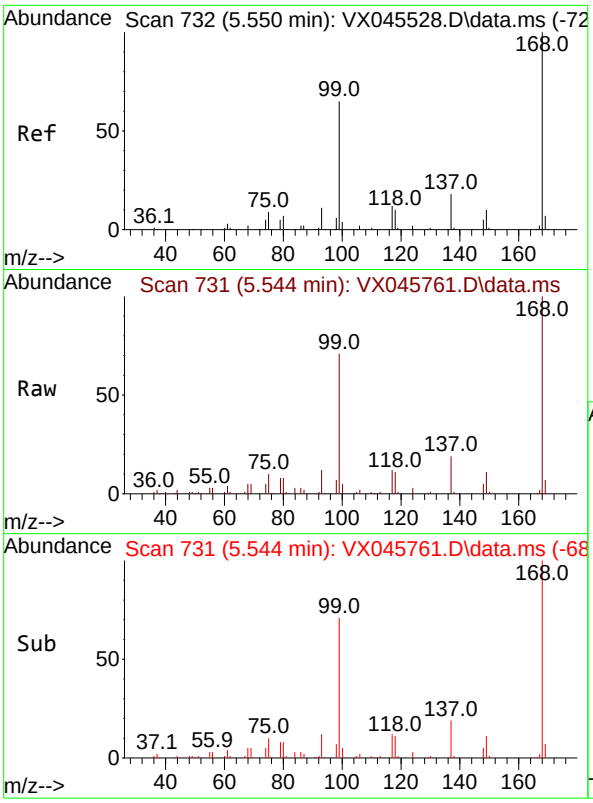
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045761.D
Acq On : 14 Apr 2025 12:18
Operator : JC/MD
Sample : Q1790-04
Misc : 6.84g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

Quant Time: Apr 15 01:27:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



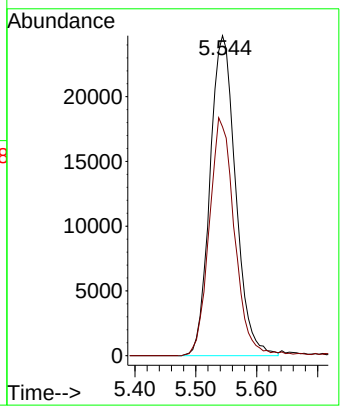


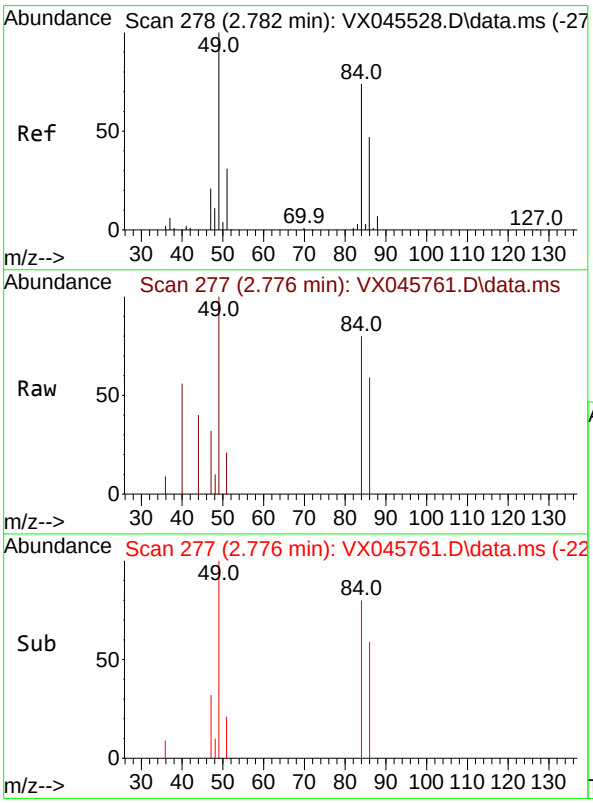
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

Tgt Ion:168 Resp: 72197

Ion	Ratio	Lower	Upper
168	100		
99	71.5	52.3	78.5

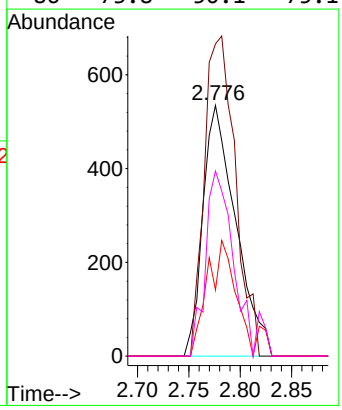


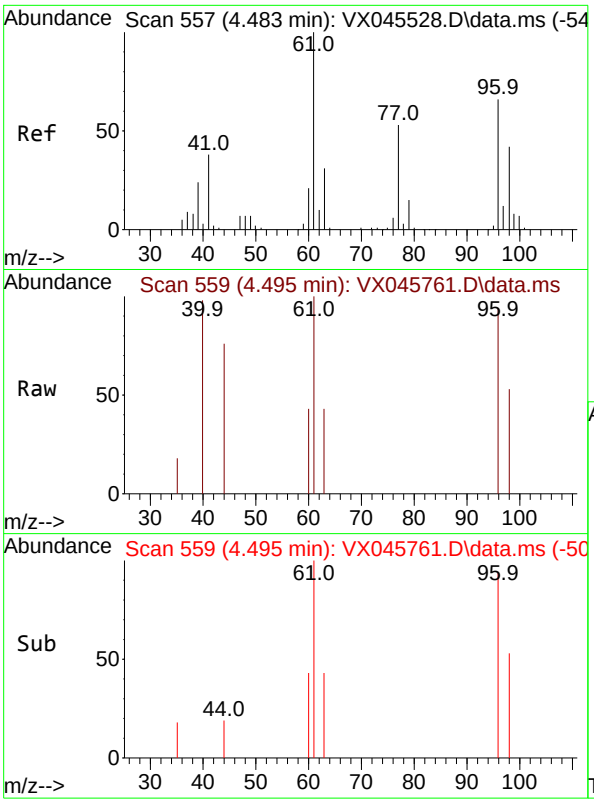


#20
Methylene Chloride
Concen: 1.173 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Tgt Ion: 84 Resp: 1191

Ion	Ratio	Lower	Upper
84	100		
49	124.5	107.5	161.3
51	26.4	33.0	49.6#
86	73.8	50.1	75.1



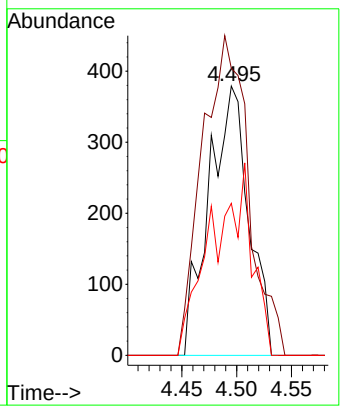


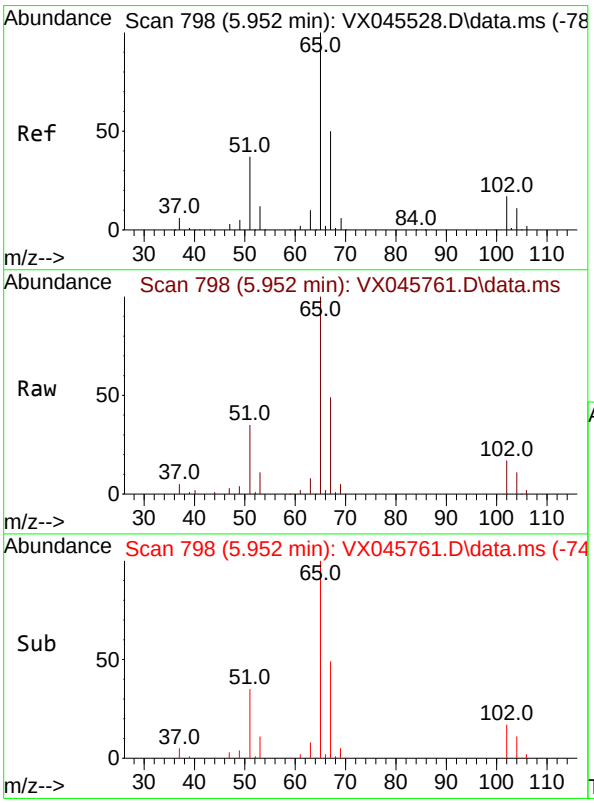
#27
cis-1,2-Dichloroethene
Concen: 0.888 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

Tgt Ion: 96 Resp: 958

Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	313.2
98	36.4	0.0	126.4

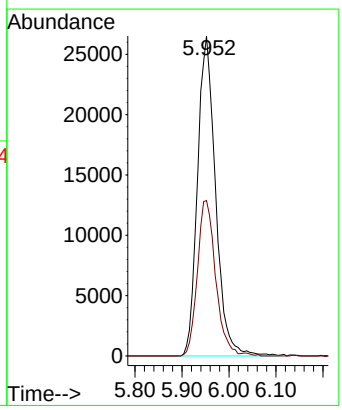


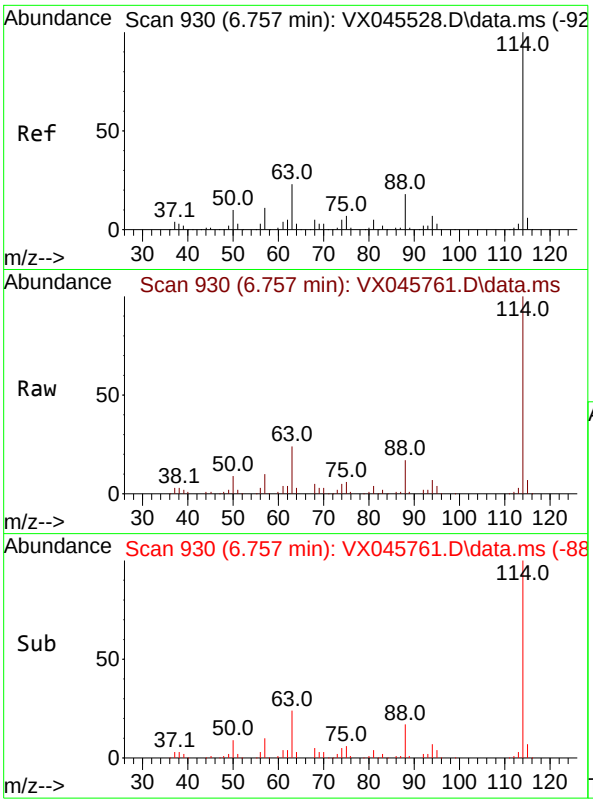


#33
1,2-Dichloroethane-d4
Concen: 53.612 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Tgt Ion: 65 Resp: 70783

Ion	Ratio	Lower	Upper
65	100		
67	49.0	0.0	99.0



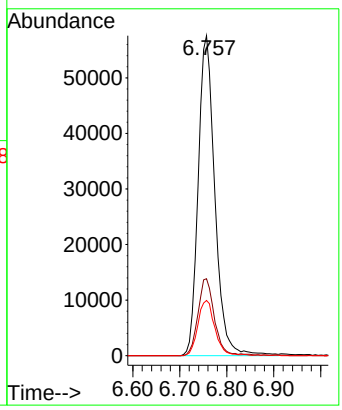


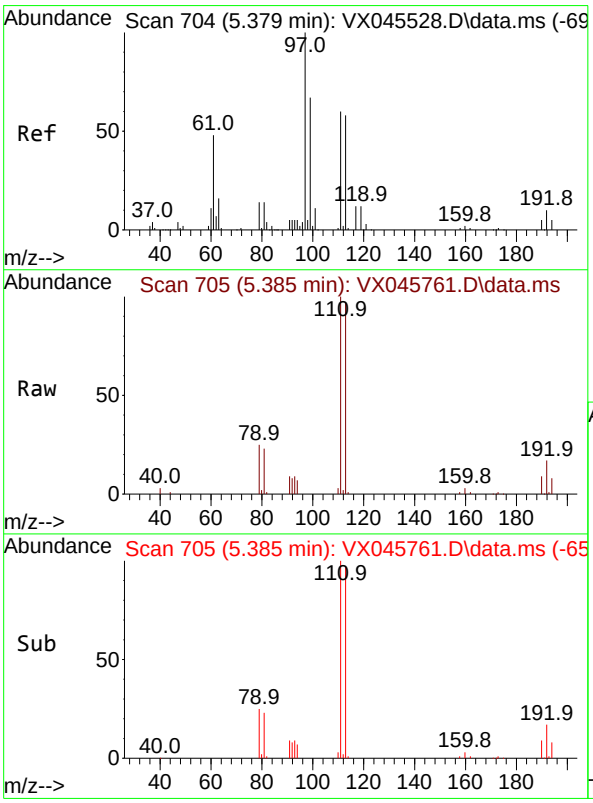
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

Tgt Ion:114 Resp: 142076

Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	46.8
88	17.2	0.0	35.4

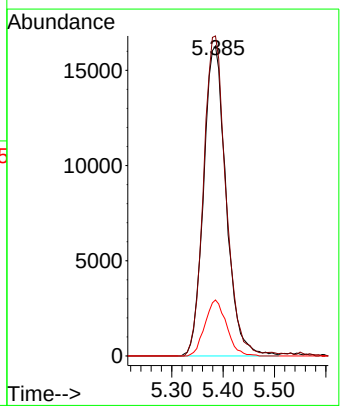


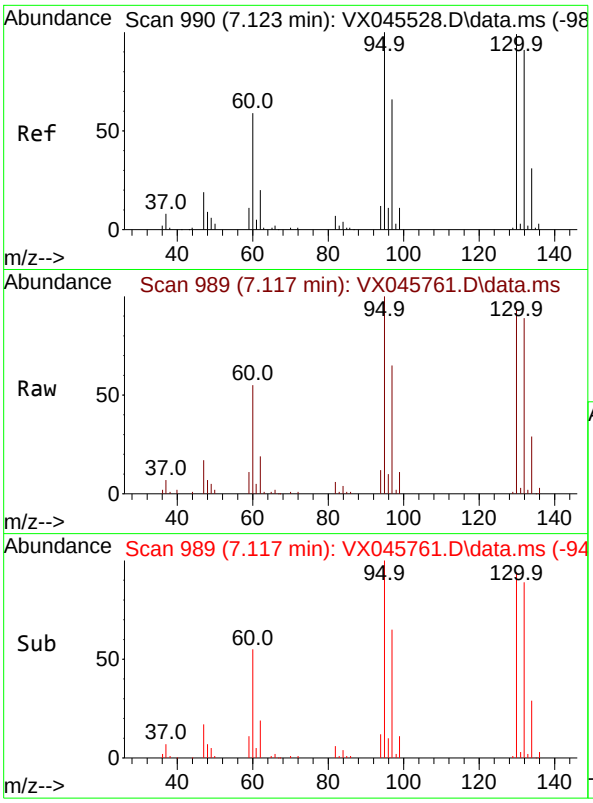


#35
Dibromofluoromethane
Concen: 49.125 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Tgt Ion:113 Resp: 49519

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.4	13.8	20.6



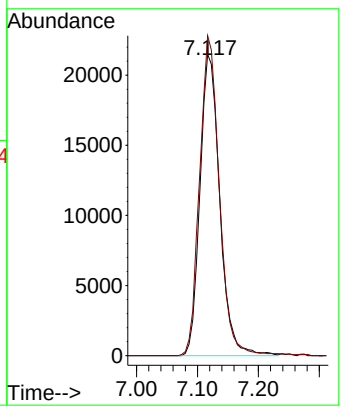


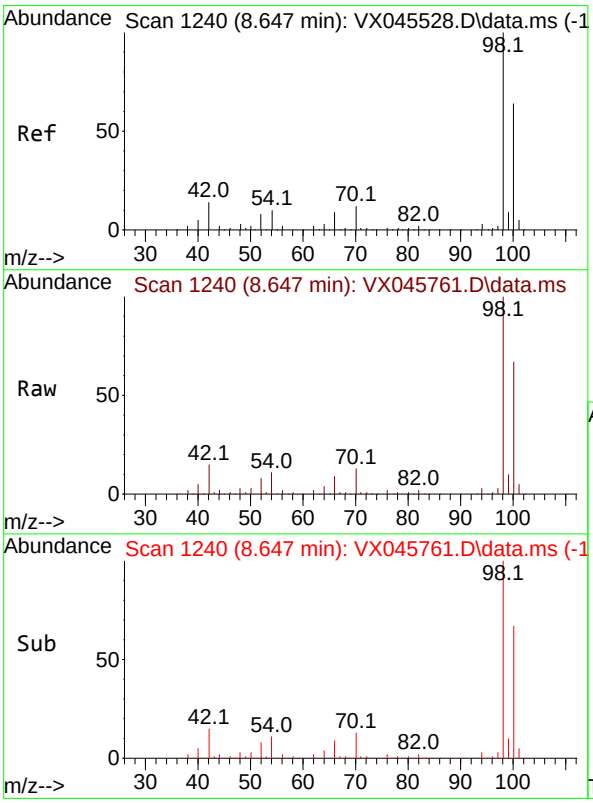
#44
Trichloroethene
Concen: 49.222 ug/l
RT: 7.117 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

Tgt Ion:130 Resp: 48631

Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	202.0

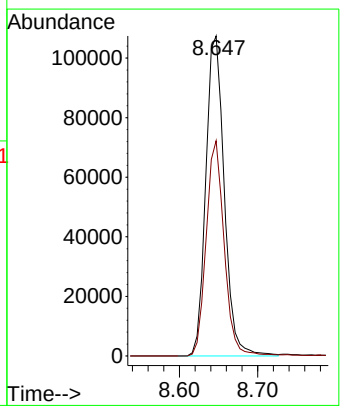


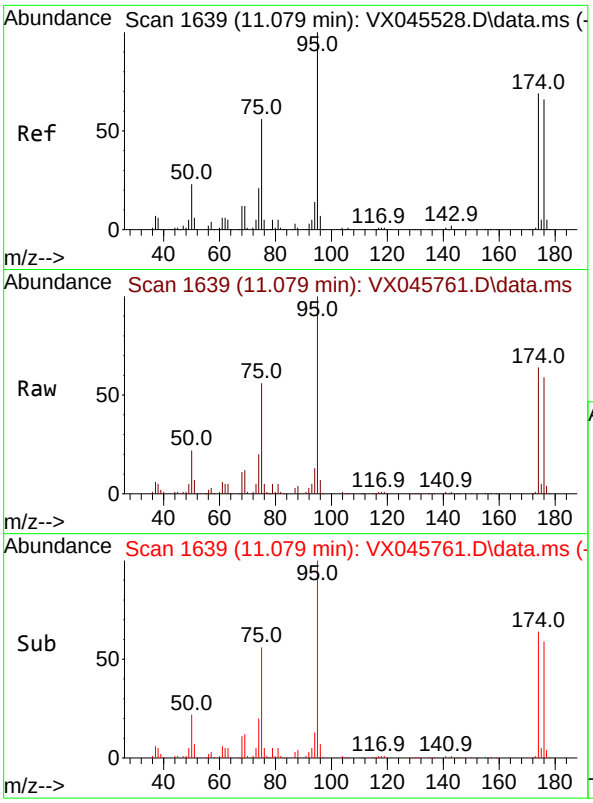


#50
Toluene-d8
Concen: 49.912 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Tgt Ion: 98 Resp: 175612

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.2	78.4



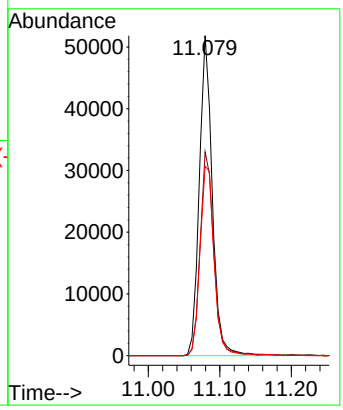


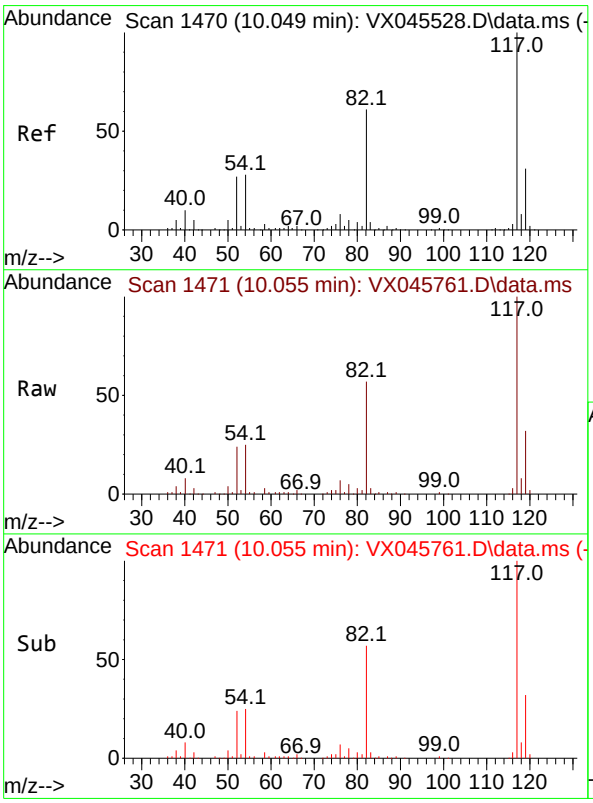
#62
4-Bromofluorobenzene
Concen: 50.997 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

Tgt Ion: 95 Resp: 65357

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	135.8
176	64.3	0.0	131.4

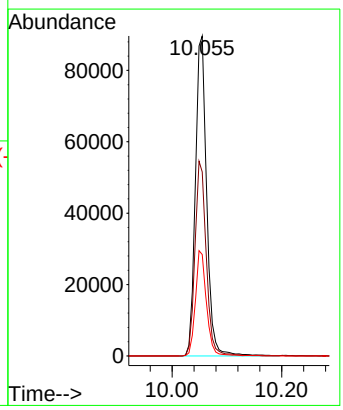


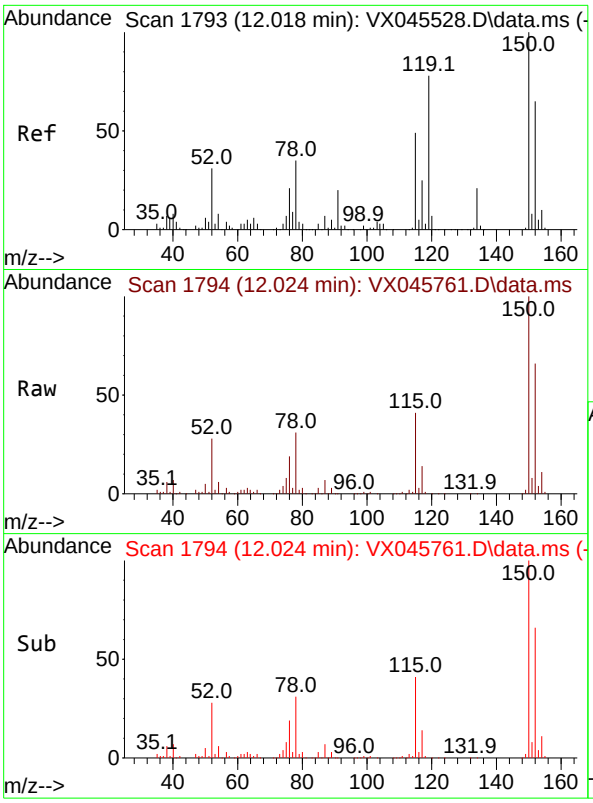


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Tgt Ion:117 Resp: 128869

Ion	Ratio	Lower	Upper
117	100		
82	57.5	49.2	73.8
119	31.7	25.1	37.7



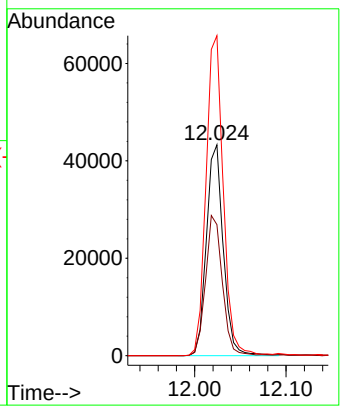


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045761.D
Acq: 14 Apr 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
S-871-G1-SO-23.0-23.5-041025

Tgt Ion:152 Resp: 55390

Ion	Ratio	Lower	Upper
152	100		
115	66.4	46.9	140.7
150	154.7	0.0	349.4



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/10/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/10/25
Client Sample ID:	S-871-G1-SO-23.0-23.5-041025-FD	SDG No.:	Q1790
Lab Sample ID:	Q1790-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	76.3
Sample Wt/Vol:	6.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021893.D	1		04/15/25 14:02	VY041525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
79-01-6	Trichloroethene	32.5		0.79	4.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	48.9		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		38 - 136	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	255000	7.707			
540-36-3	1,4-Difluorobenzene	480000	8.616			
3114-55-4	Chlorobenzene-d5	418000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.346			

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\VY041525\
Data File : VY021893.D
Acq On : 15 Apr 2025 14:02
Operator : SY/MD
Sample : Q1790-05
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Quant Time: Apr 15 14:34:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

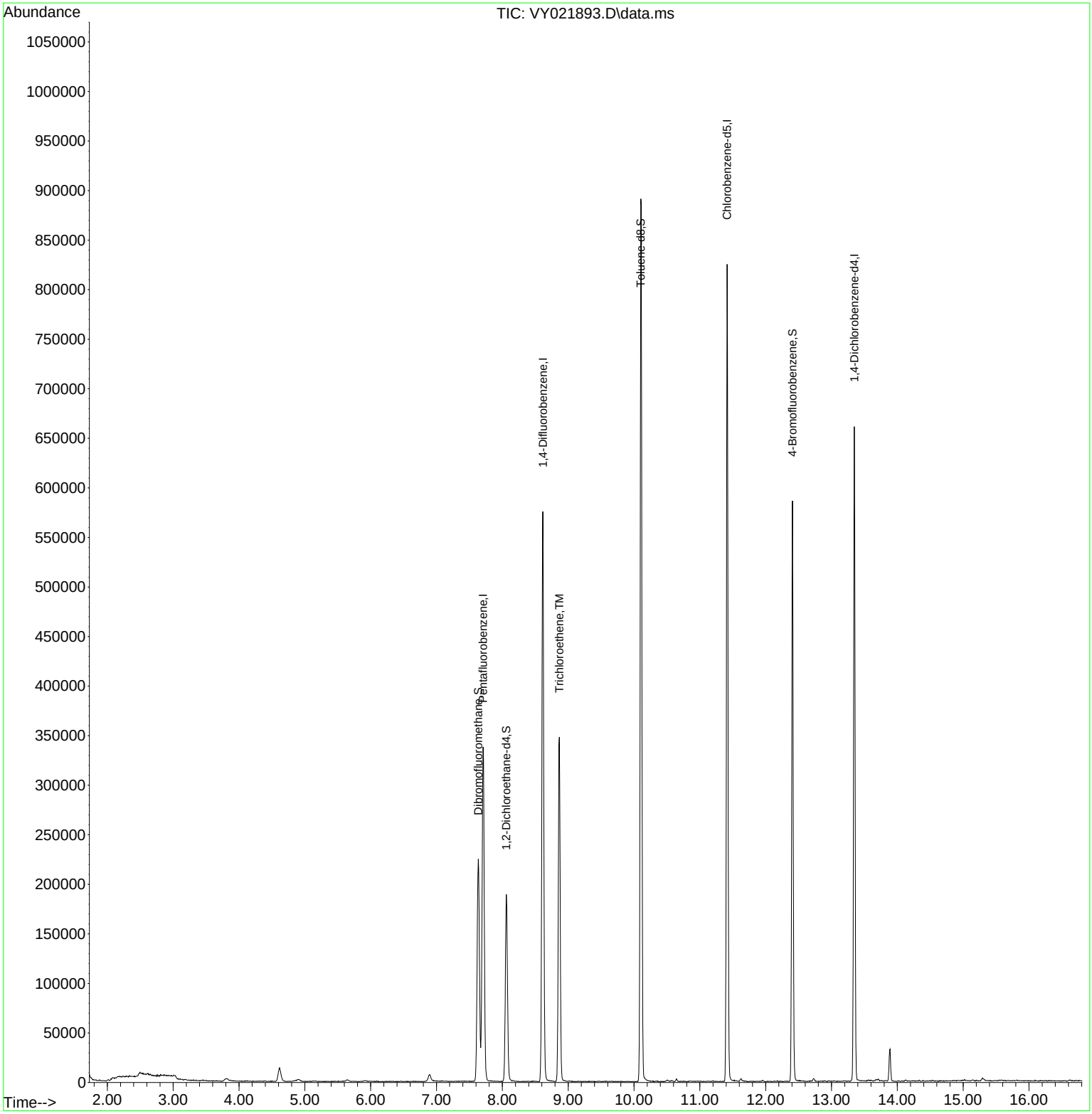
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	254996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	417866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	162786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149362	54.062	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.120%			
35) Dibromofluoromethane	7.634	113	159738	51.339	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.680%			
50) Toluene-d8	10.103	98	579183	48.931	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.860%			
62) 4-Bromofluorobenzene	12.408	95	169580	42.355	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.720%			
Target Compounds						Qvalue
44) Trichloroethene	8.866	130	120734	33.387	ug/l	99

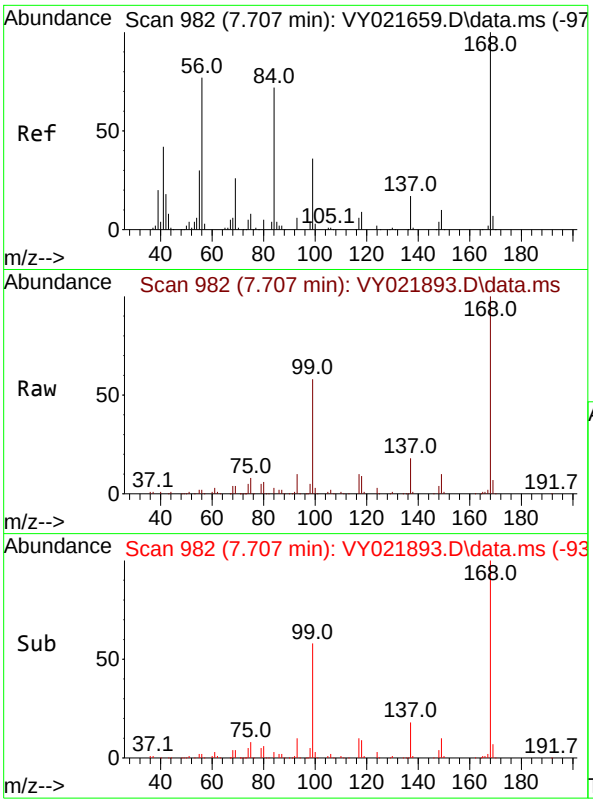
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021893.D
Acq On : 15 Apr 2025 14:02
Operator : SY/MD
Sample : Q1790-05
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Quant Time: Apr 15 14:34:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



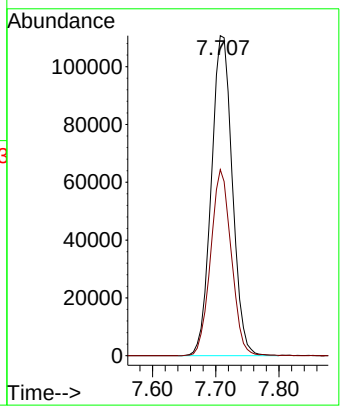


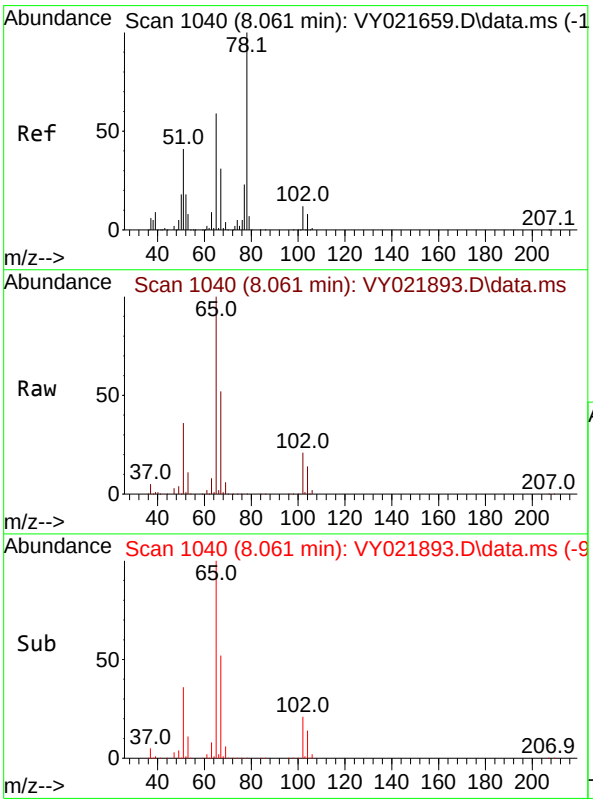
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021893.D
Acq: 15 Apr 2025 14:02

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Tgt Ion:168 Resp: 254996

Ion	Ratio	Lower	Upper
168	100		
99	58.1	46.7	70.1

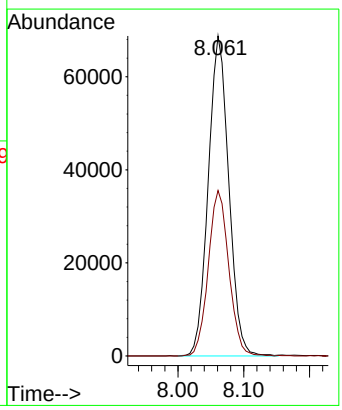


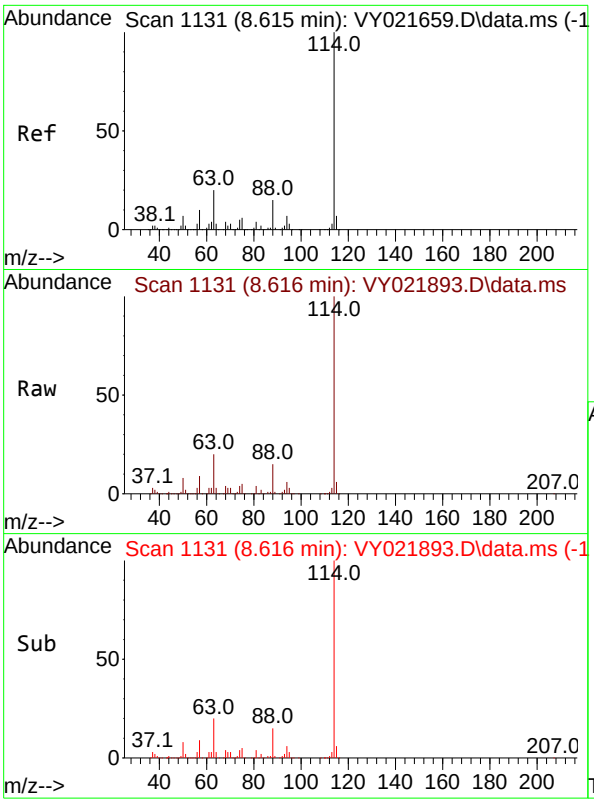


#33
1,2-Dichloroethane-d4
Concen: 54.062 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021893.D
Acq: 15 Apr 2025 14:02

Tgt Ion: 65 Resp: 149362

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.6



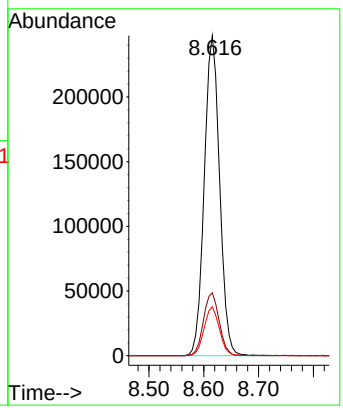


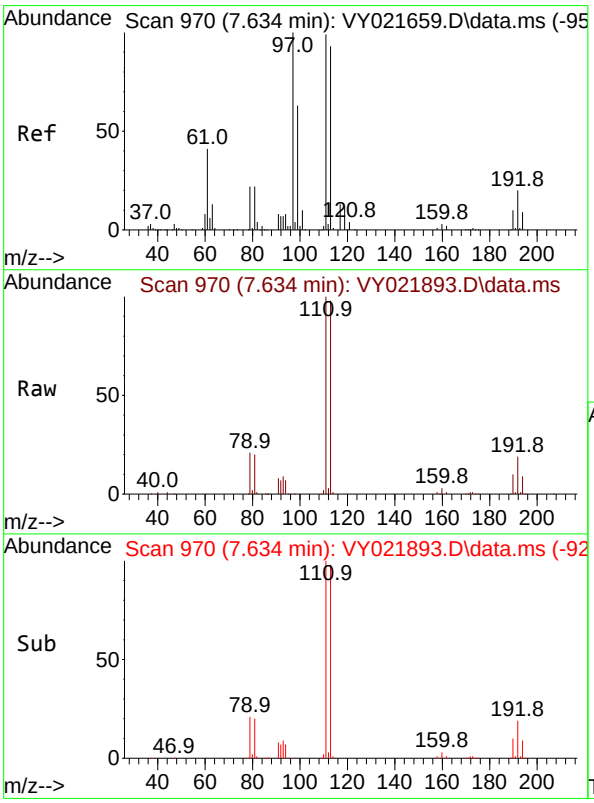
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021893.D
Acq: 15 Apr 2025 14:02

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Tgt Ion:114 Resp: 479651

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.2
88	15.2	0.0	29.8

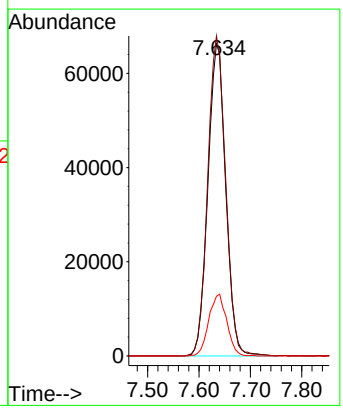


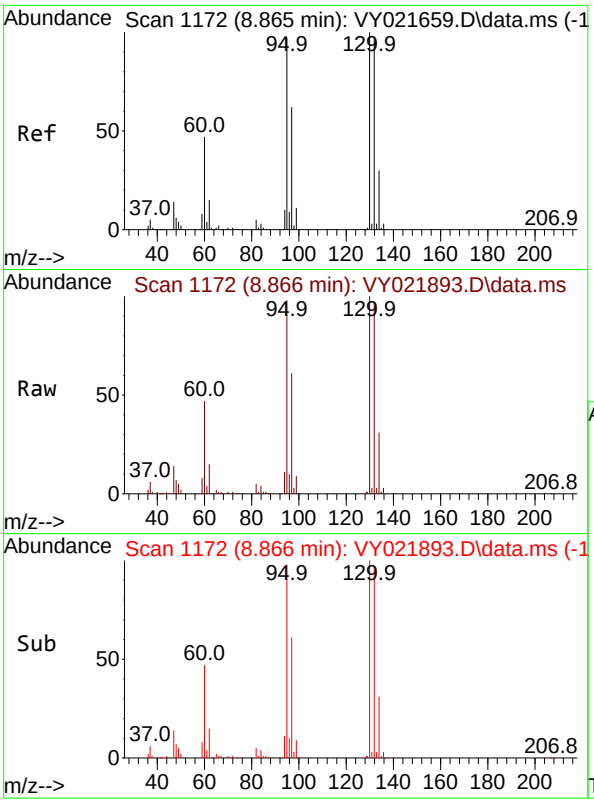


#35
Dibromofluoromethane
Concen: 51.339 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021893.D
Acq: 15 Apr 2025 14:02

Tgt Ion:113 Resp: 159738

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	20.0	16.2	24.4



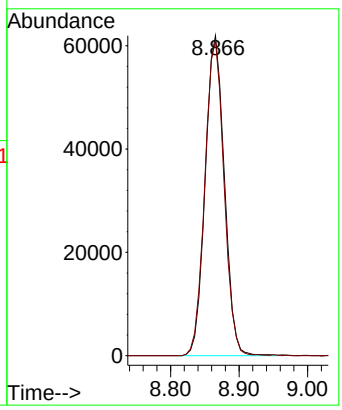


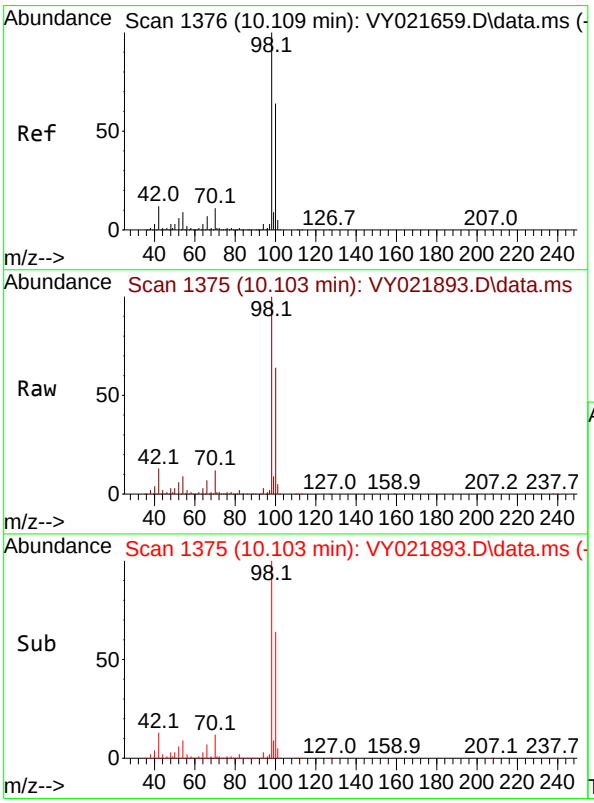
#44
Trichloroethene
Concen: 33.387 ug/l
RT: 8.866 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021893.D
Acq: 15 Apr 2025 14:02

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Tgt Ion:130 Resp: 120734

Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	194.8

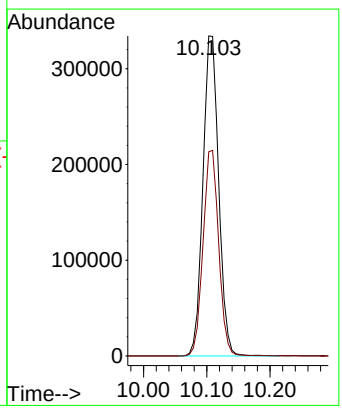


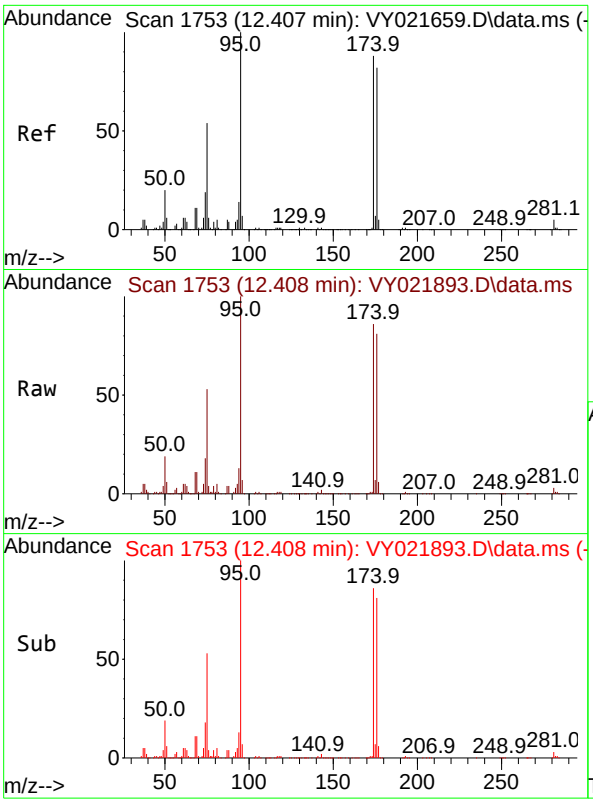


#50
Toluene-d8
Concen: 48.931 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021893.D
Acq: 15 Apr 2025 14:02

Tgt Ion: 98 Resp: 579183

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.1	78.1



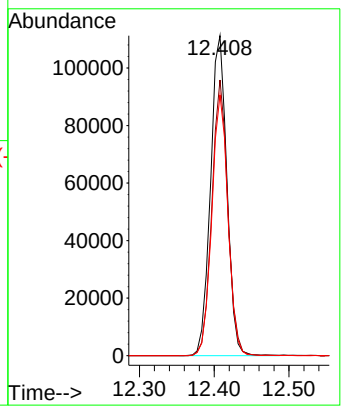


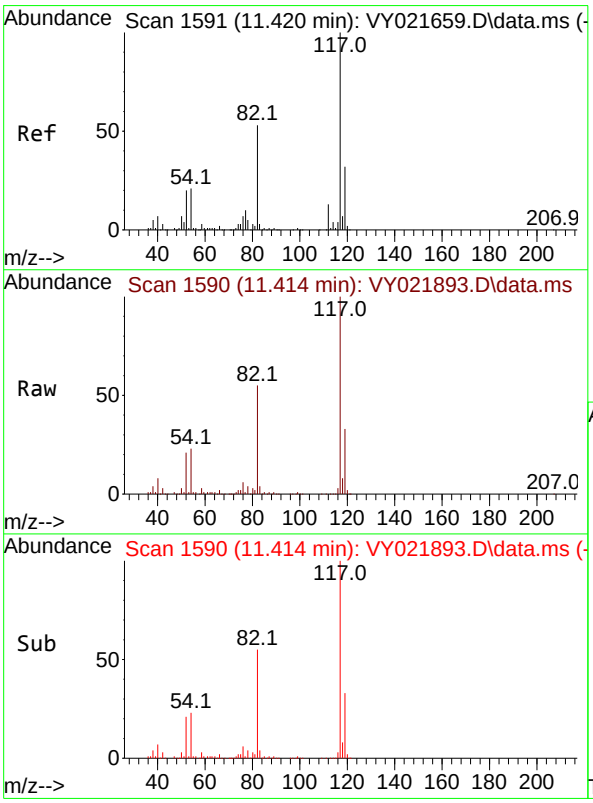
#62
4-Bromofluorobenzene
Concen: 42.355 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021893.D
Acq: 15 Apr 2025 14:02

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Tgt Ion: 95 Resp: 169580

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	170.8
176	80.4	0.0	162.0

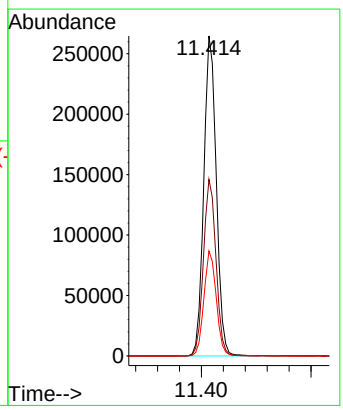


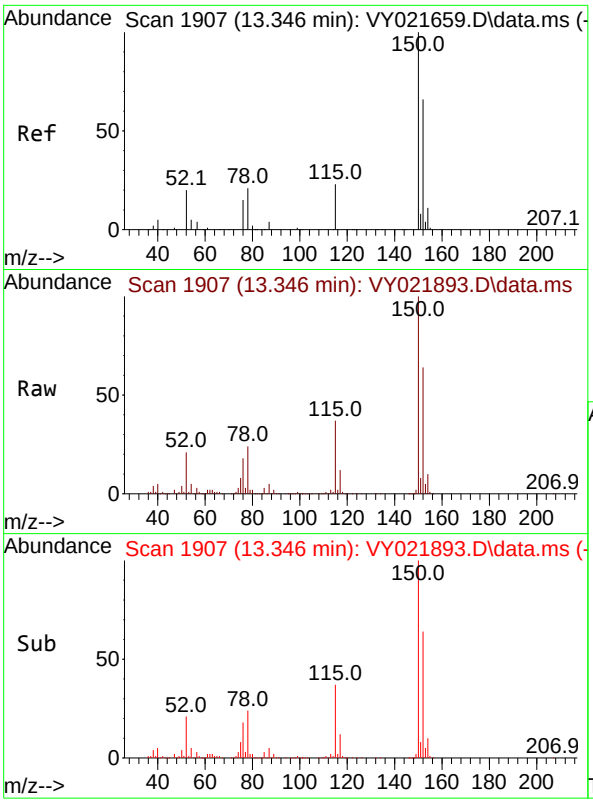


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021893.D
Acq: 15 Apr 2025 14:02

Tgt Ion:117 Resp: 417866

Ion	Ratio	Lower	Upper
117	100		
82	55.2	42.8	64.2
119	32.8	25.7	38.5



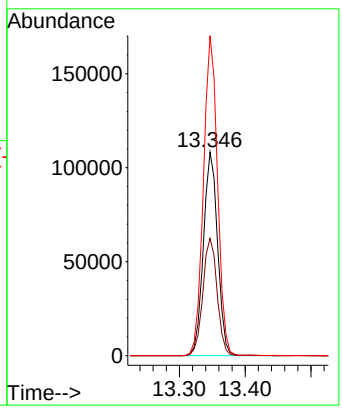


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021893.D
Acq: 15 Apr 2025 14:02

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025

Tgt Ion:152 Resp: 162786

Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.8	86.5
150	155.5	0.0	348.4



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/10/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/10/25
Client Sample ID:	S-870-G1-SO-22.0-22.5-041025	SDG No.:	Q1790
Lab Sample ID:	Q1790-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	69.7
Sample Wt/Vol:	7.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group4
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045762.D	1		04/14/25 12:41	VX041425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
79-01-6	Trichloroethene	5500		41.0	250	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	49.9		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		38 - 136	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	67200	5.544			
540-36-3	1,4-Difluorobenzene	131000	6.757			
3114-55-4	Chlorobenzene-d5	119000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	51900	12.024			

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\VX041425\
Data File : VX045762.D
Acq On : 14 Apr 2025 12:41
Operator : JC/MD
Sample : Q1790-06
Misc : 7.09g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

Quant Time: Apr 15 01:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

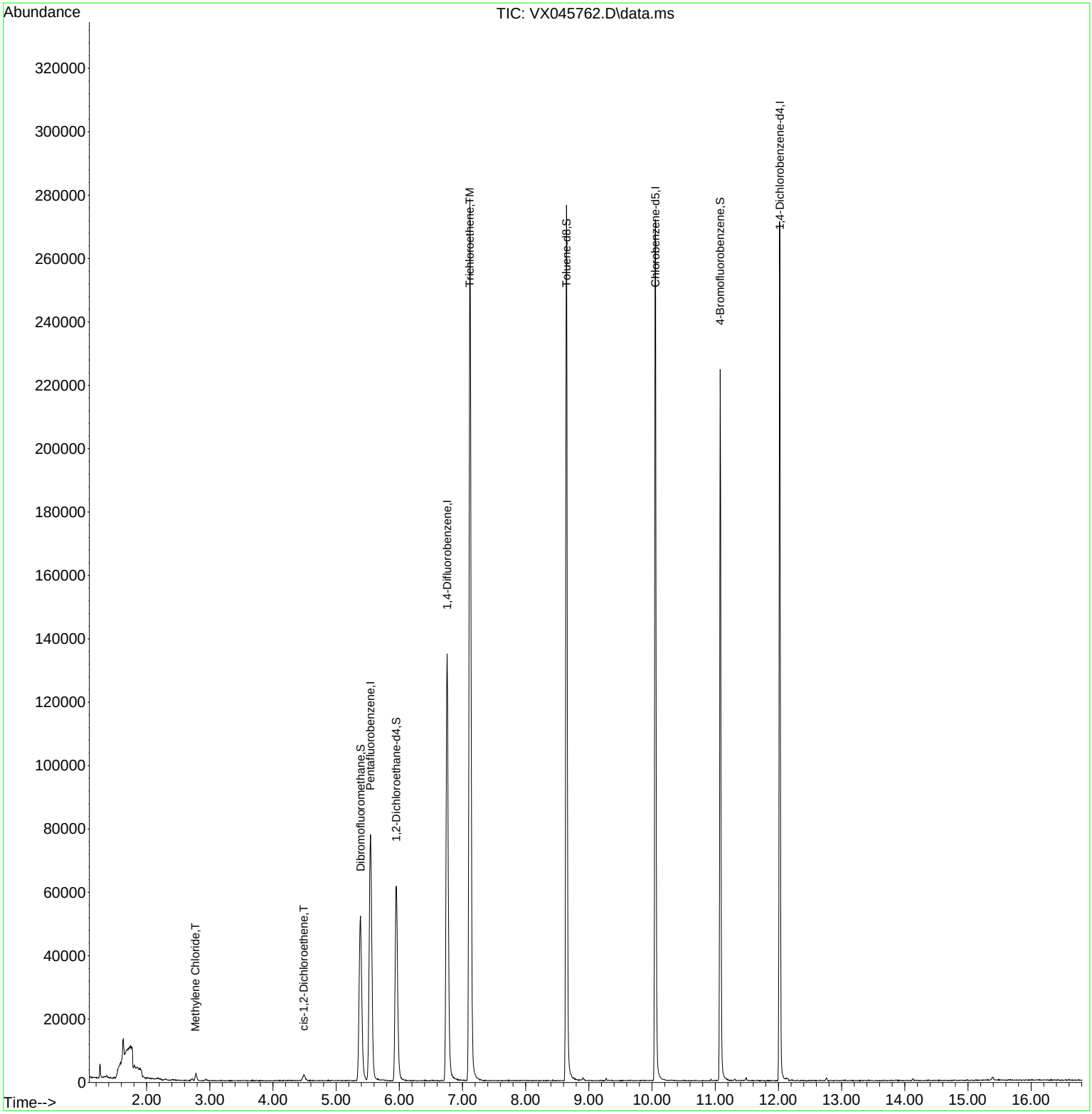
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130622	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64044	52.087	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.180%			
35) Dibromofluoromethane	5.385	113	45513	49.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.220%			
50) Toluene-d8	8.647	98	161458	49.913	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.820%			
62) 4-Bromofluorobenzene	11.079	95	60798	51.600	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.200%			
Target Compounds						Qvalue
20) Methylene Chloride	2.770	84	894	0.946	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	1156	1.151	ug/l	97
44) Trichloroethene	7.116	130	97918	107.798	ug/l	97

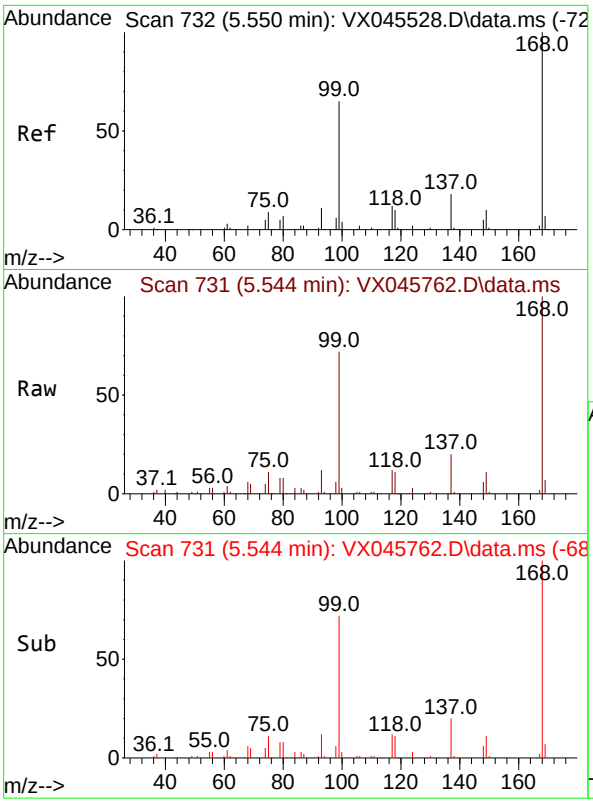
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045762.D
Acq On : 14 Apr 2025 12:41
Operator : JC/MD
Sample : Q1790-06
Misc : 7.09g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

Quant Time: Apr 15 01:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



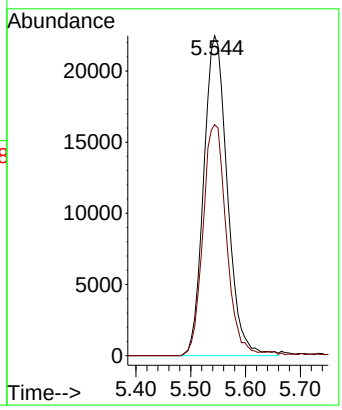


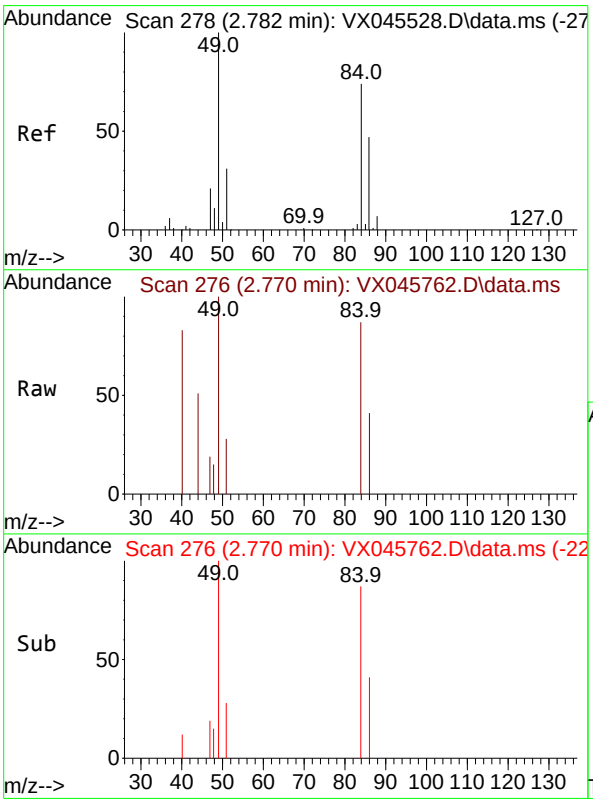
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

Tgt Ion:168 Resp: 67235

Ion	Ratio	Lower	Upper
168	100		
99	72.2	52.3	78.5

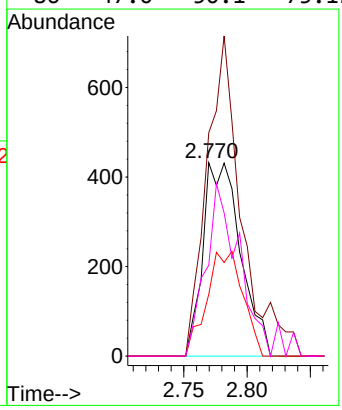


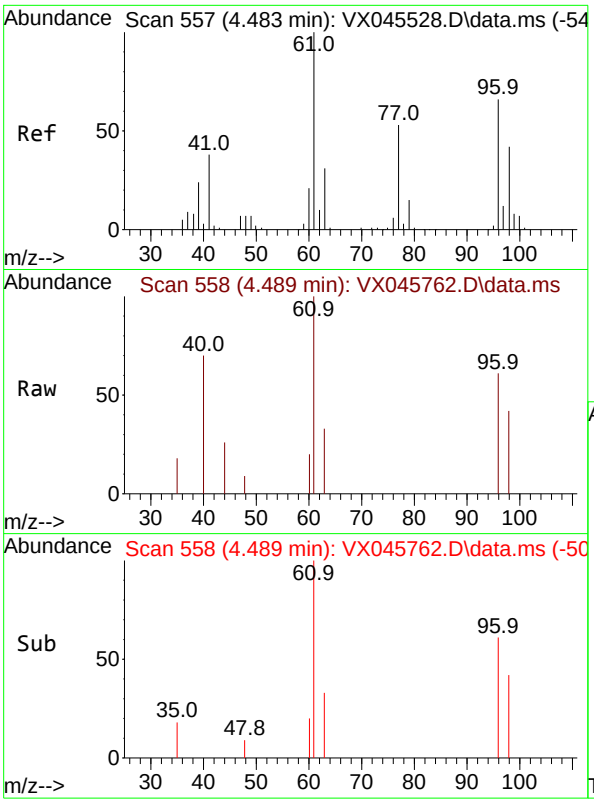


#20
Methylene Chloride
Concen: 0.946 ug/l
RT: 2.770 min Scan# 276
Delta R.T. -0.012 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Tgt Ion: 84 Resp: 894

Ion	Ratio	Lower	Upper
84	100		
49	115.5	107.5	161.3
51	31.9	33.0	49.6#
86	47.0	50.1	75.1#



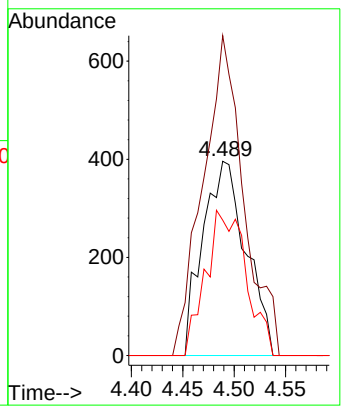


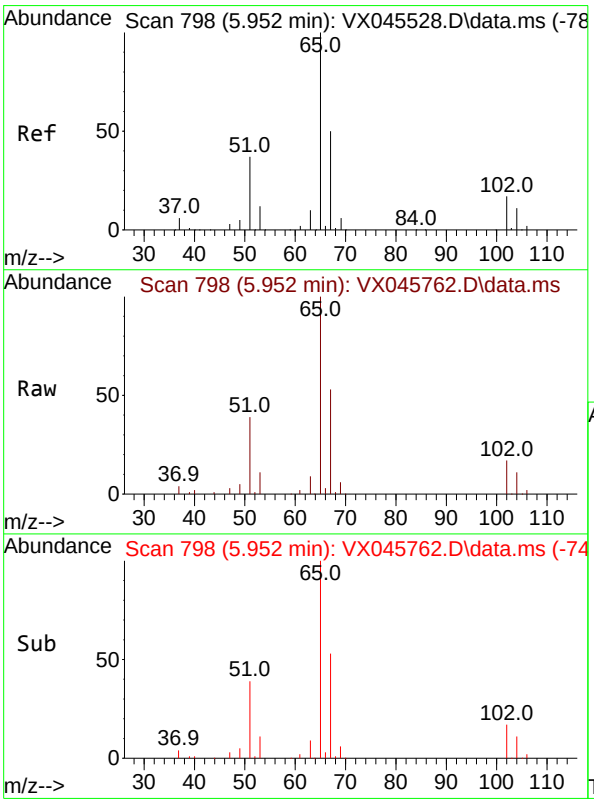
#27
cis-1,2-Dichloroethene
Concen: 1.151 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

Tgt Ion: 96 Resp: 1156

Ion	Ratio	Lower	Upper
96	100		
61	155.1	0.0	313.2
98	70.1	0.0	126.4

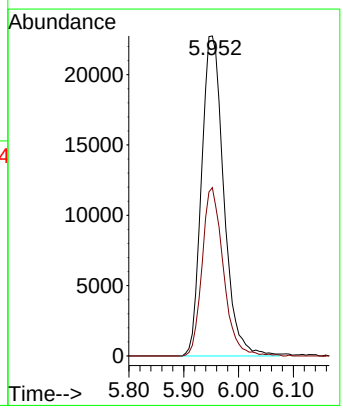


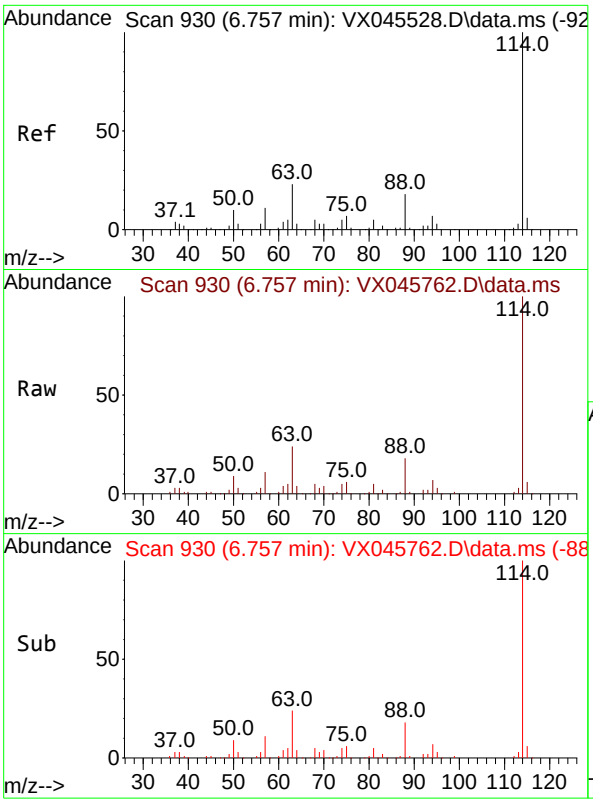


#33
1,2-Dichloroethane-d4
Concen: 52.087 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Tgt Ion: 65 Resp: 64044

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	99.0



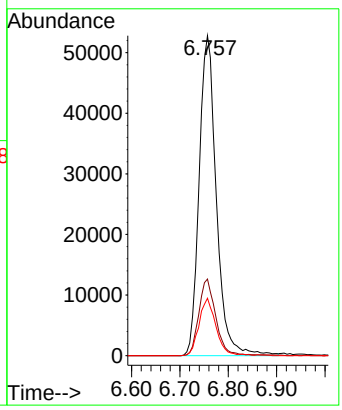


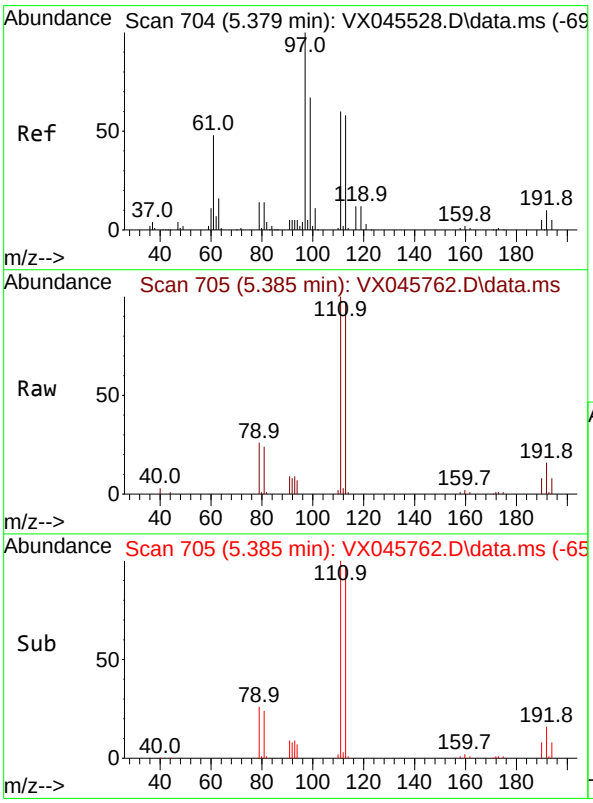
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

Tgt Ion:114 Resp: 130622

Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	46.8
88	18.0	0.0	35.4

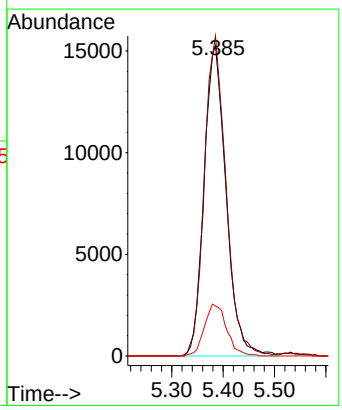


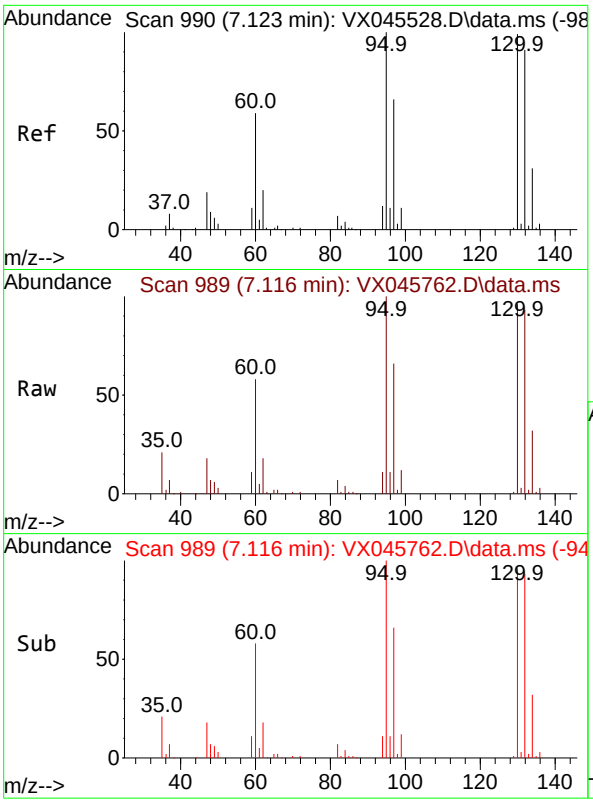


#35
Dibromofluoromethane
Concen: 49.110 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Tgt Ion:113 Resp: 45513

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.6
192	16.8	13.8	20.6



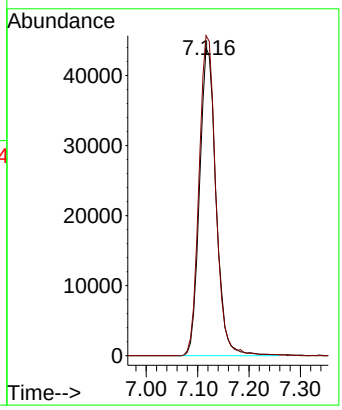


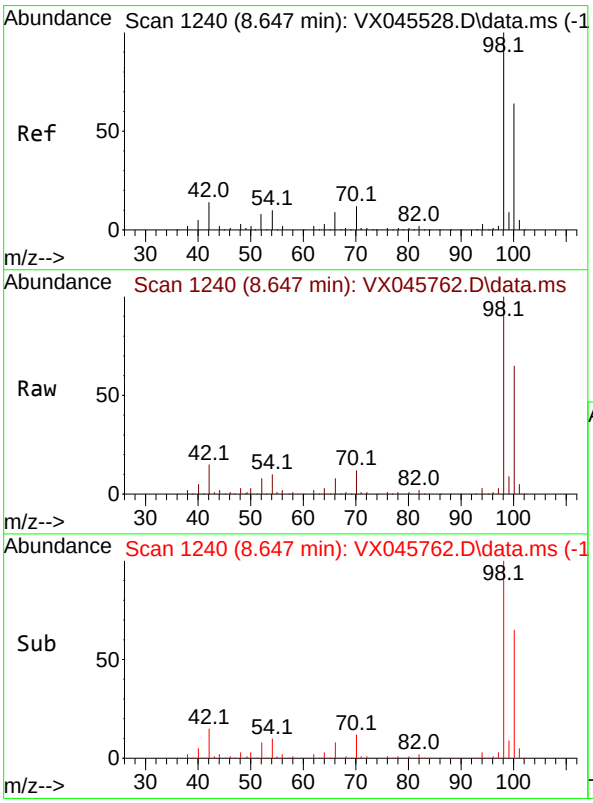
#44
Trichloroethene
Concen: 107.798 ug/l
RT: 7.116 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

Tgt Ion:130 Resp: 97918

Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	202.0

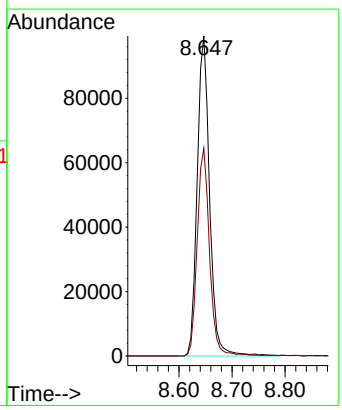


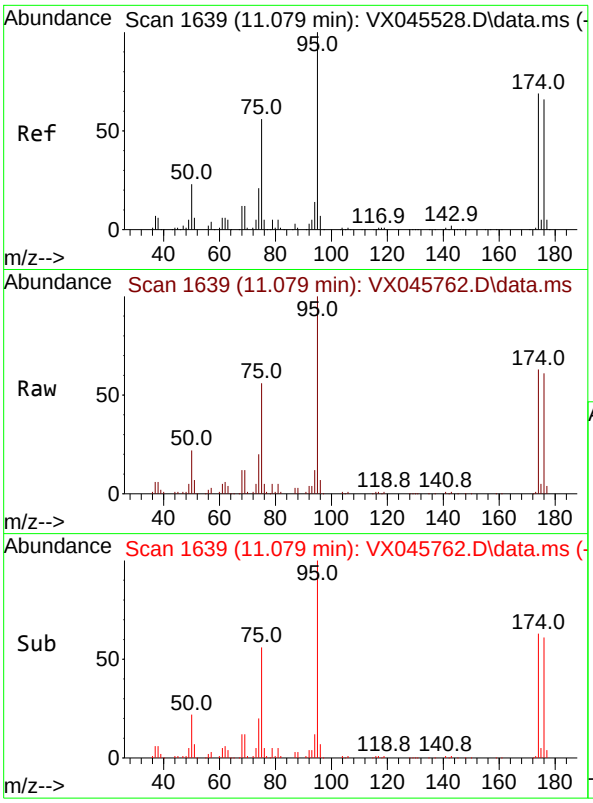


#50
Toluene-d8
Concen: 49.913 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Tgt Ion: 98 Resp: 161458

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.4



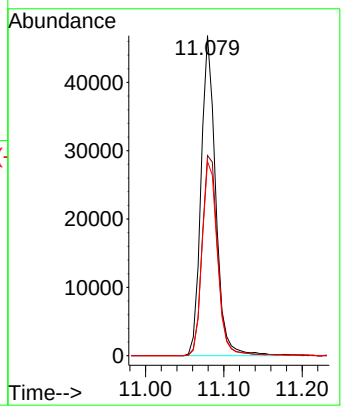


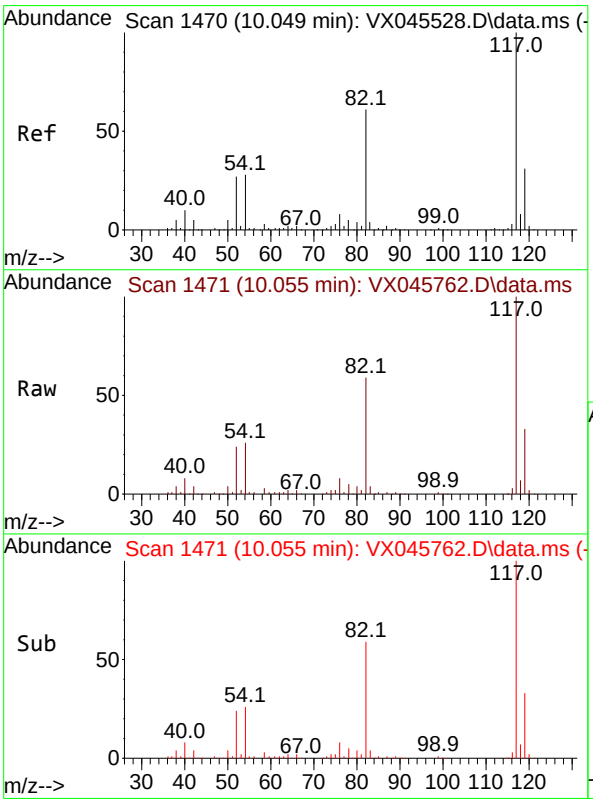
#62
4-Bromofluorobenzene
Concen: 51.600 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

Tgt Ion: 95 Resp: 60798

Ion	Ratio	Lower	Upper
95	100		
174	66.5	0.0	135.8
176	63.8	0.0	131.4

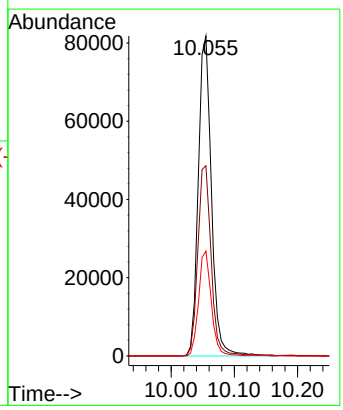


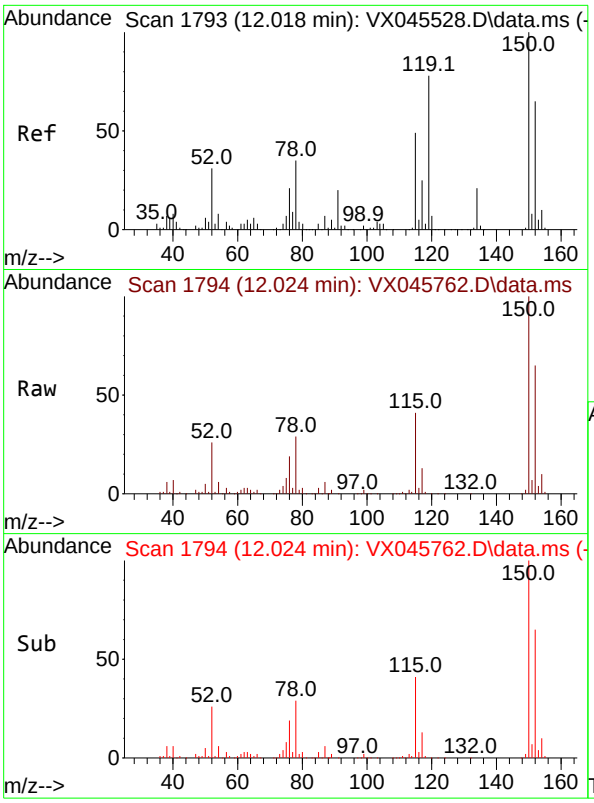


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Tgt Ion:117 Resp: 118702

Ion	Ratio	Lower	Upper
117	100		
82	59.4	49.2	73.8
119	32.8	25.1	37.7



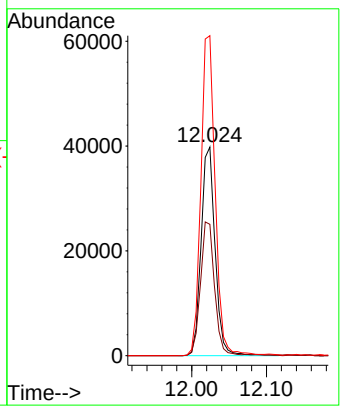


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045762.D
Acq: 14 Apr 2025 12:41

Instrument :
MSVOA_X
ClientSampleId :
S-870-G1-SO-22.0-22.5-041025

Tgt Ion:152 Resp: 51874

Ion	Ratio	Lower	Upper
152	100		
115	64.8	46.9	140.7
150	156.3	0.0	349.4



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/10/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/10/25
Client Sample ID:	EB01-041025	SDG No.:	Q1790
Lab Sample ID:	Q1790-17	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045738.D	1		04/11/25 13:55	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	50.7		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		77 - 121	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68700	5.543			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	124000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	52100	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045738.D
Acq On : 11 Apr 2025 13:55
Operator : JC/MD
Sample : Q1790-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB01-041025

Quant Time: Apr 11 23:04:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

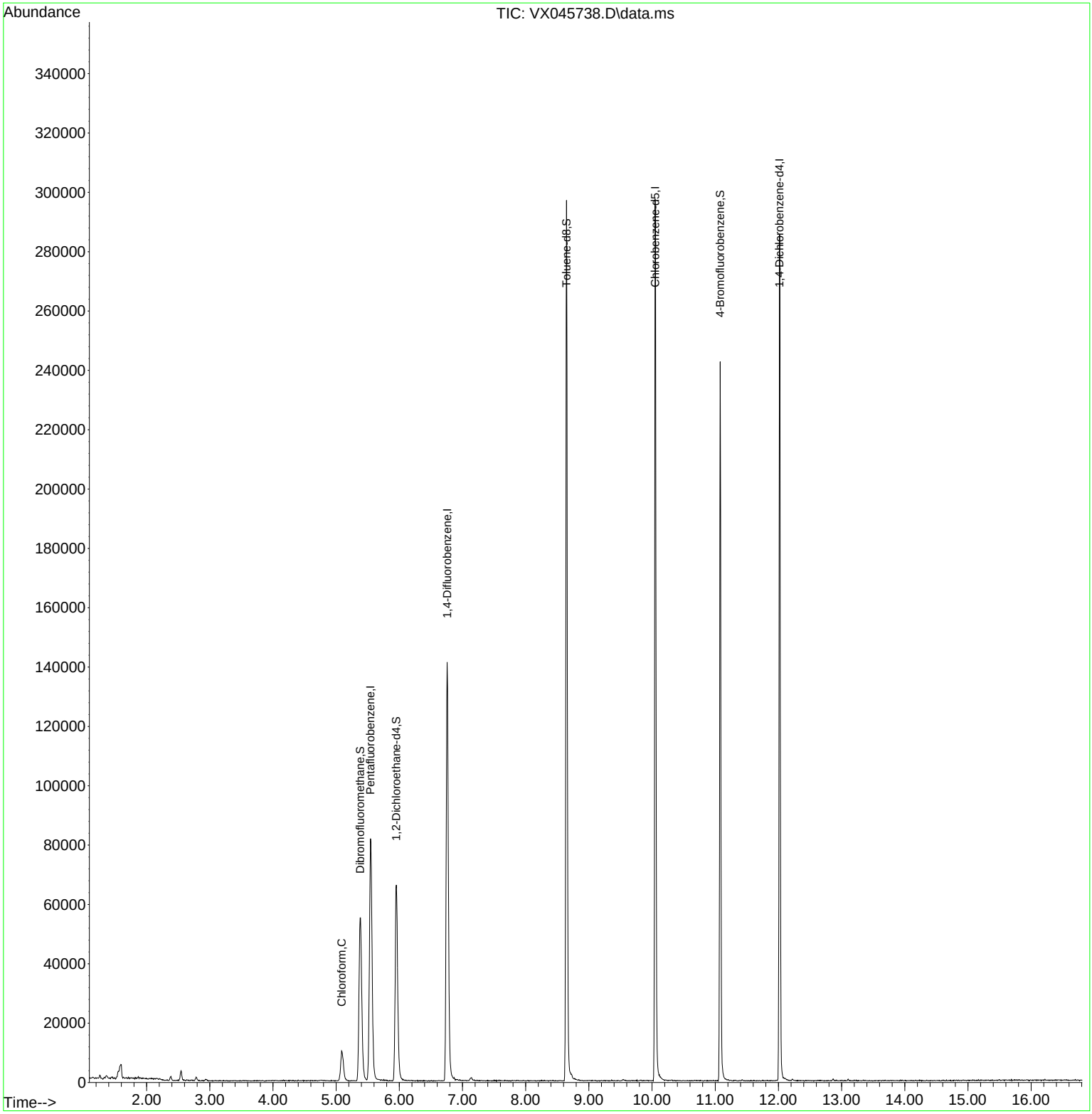
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	68658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132687	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68388	54.467	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.940%			
35) Dibromofluoromethane	5.379	113	48922	51.966	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.940%			
50) Toluene-d8	8.646	98	166697	50.731	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.079	95	63353	52.931	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.860%			
Target Compounds						Qvalue
30) Chloroform	5.086	83	12139	6.771	ug/l	91

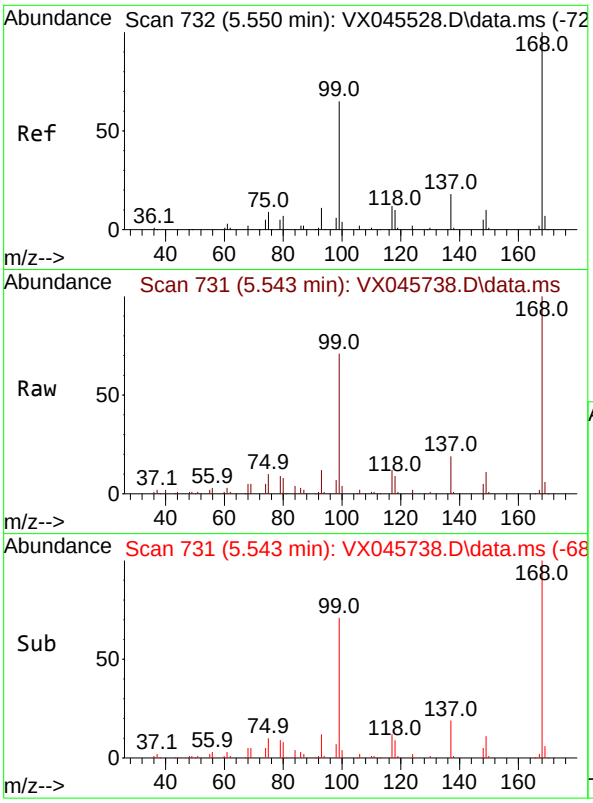
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045738.D
Acq On : 11 Apr 2025 13:55
Operator : JC/MD
Sample : Q1790-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB01-041025

Quant Time: Apr 11 23:04:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



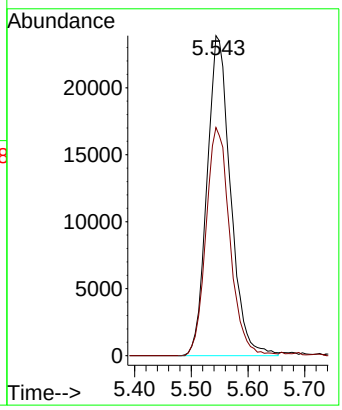


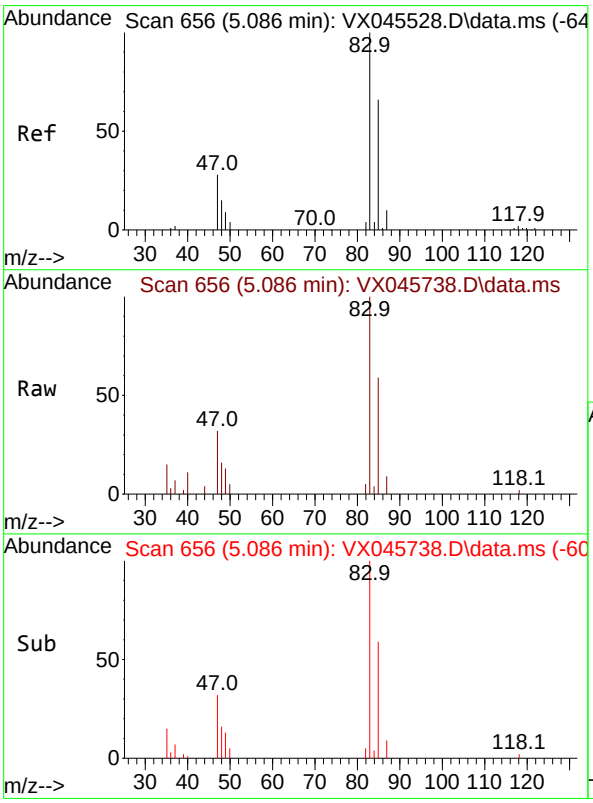
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045738.D
Acq: 11 Apr 2025 13:55

Instrument :
MSVOA_X
ClientSampleId :
EB01-041025

Tgt Ion:168 Resp: 68658

Ion	Ratio	Lower	Upper
168	100		
99	71.3	52.3	78.5

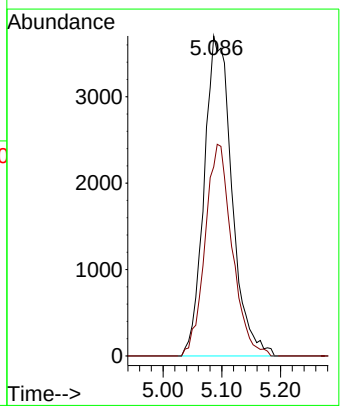


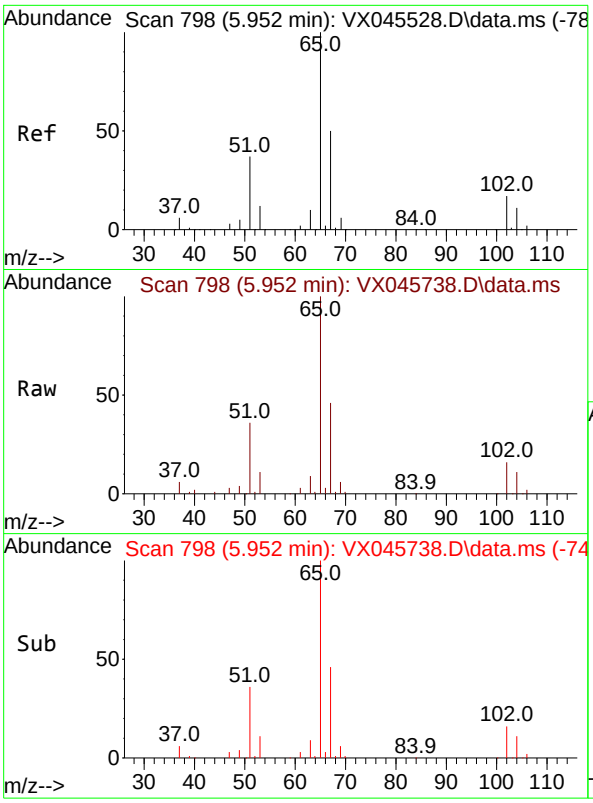


#30
Chloroform
Concen: 6.771 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045738.D
Acq: 11 Apr 2025 13:55

Tgt Ion: 83 Resp: 12139

Ion	Ratio	Lower	Upper
83	100		
85	59.1	52.8	79.2



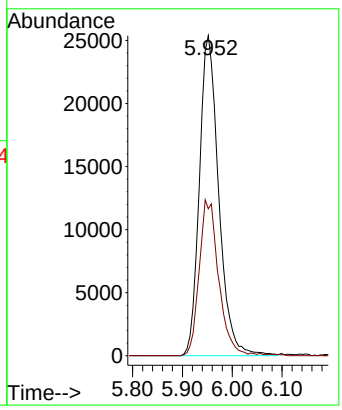


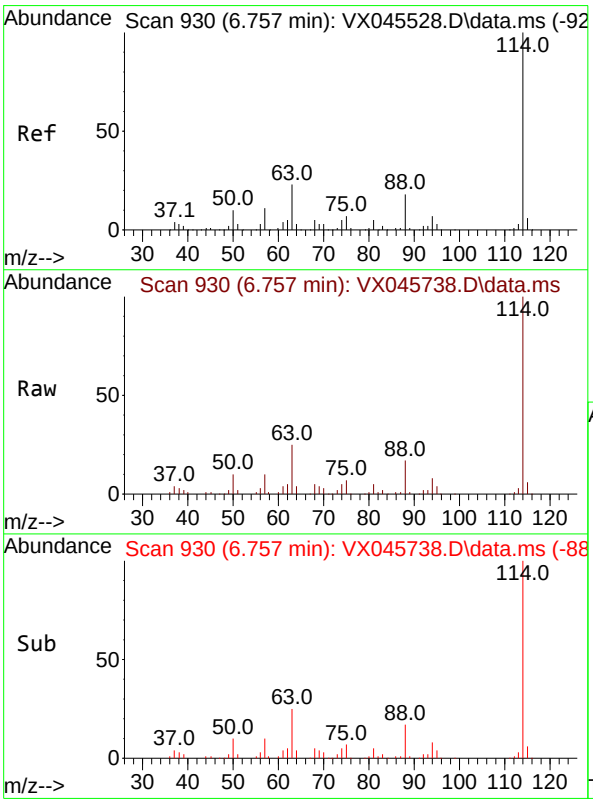
#33
1,2-Dichloroethane-d4
Concen: 54.467 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045738.D
Acq: 11 Apr 2025 13:55

Instrument :
MSVOA_X
ClientSampleId :
EB01-041025

Tgt Ion: 65 Resp: 68388

Ion	Ratio	Lower	Upper
65	100		
67	49.0	0.0	99.0

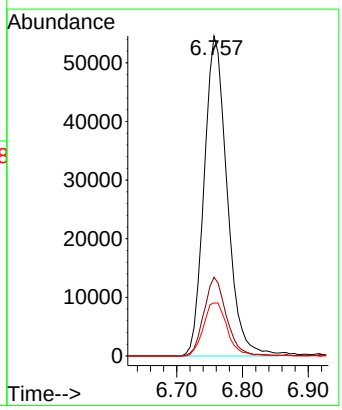


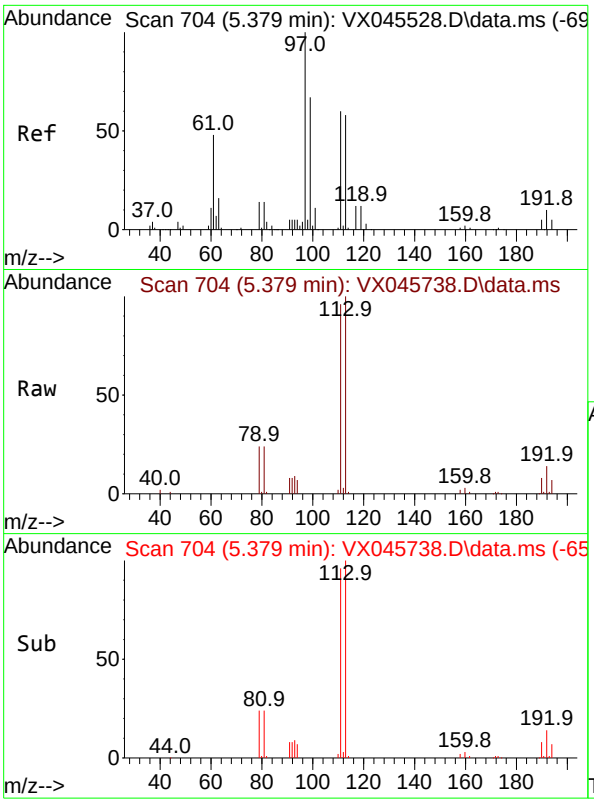


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045738.D
Acq: 11 Apr 2025 13:55

Tgt Ion:114 Resp: 132687

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	46.8
88	16.6	0.0	35.4



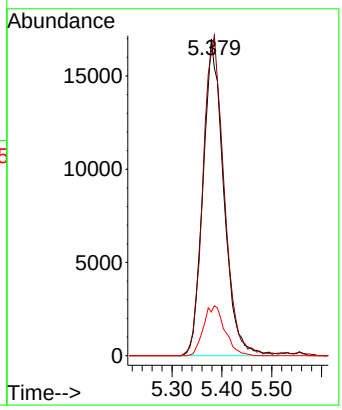


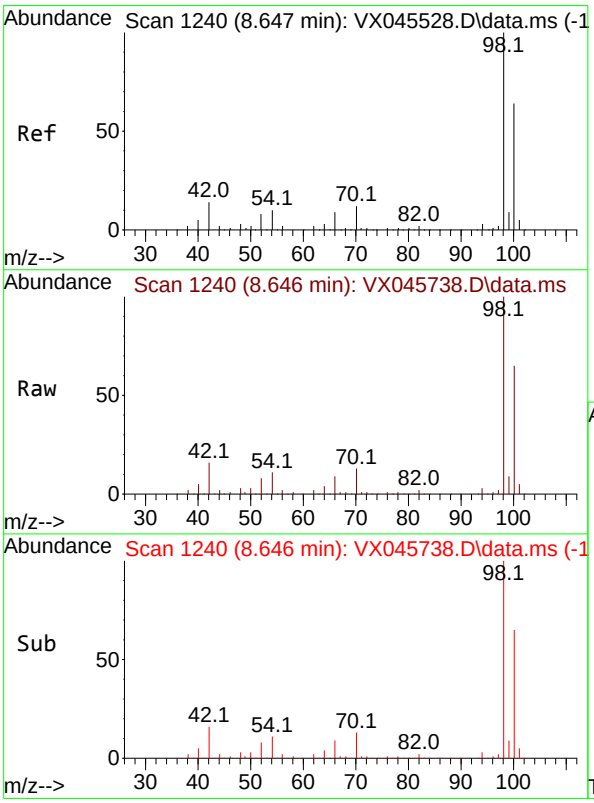
#35
Dibromofluoromethane
Concen: 51.966 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045738.D
Acq: 11 Apr 2025 13:55

Instrument :
MSVOA_X
ClientSampleId :
EB01-041025

Tgt Ion:113 Resp: 48922

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	16.3	13.8	20.6

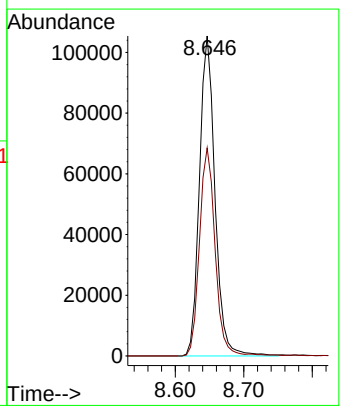


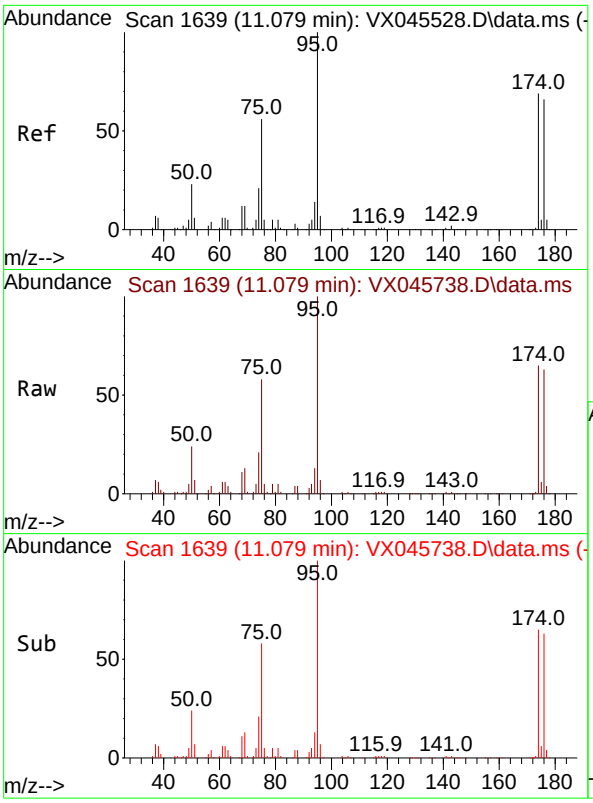


#50
Toluene-d8
Concen: 50.731 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045738.D
Acq: 11 Apr 2025 13:55

Tgt Ion: 98 Resp: 166697

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.4



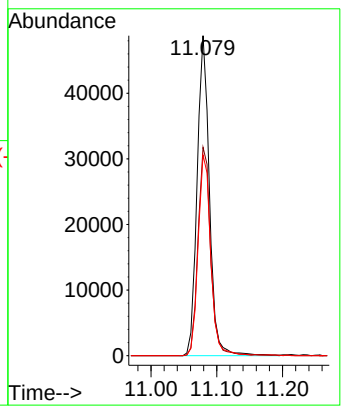


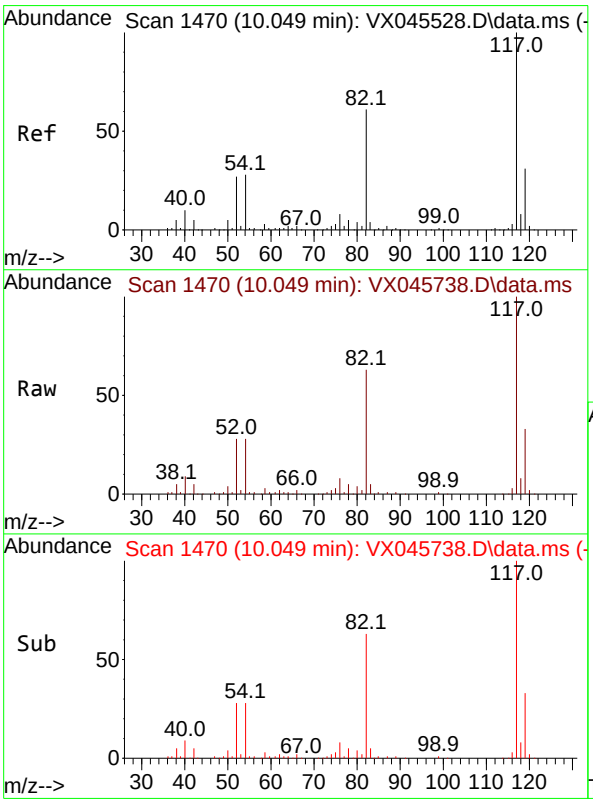
#62
4-Bromofluorobenzene
Concen: 52.931 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045738.D
Acq: 11 Apr 2025 13:55

Instrument :
MSVOA_X
ClientSampleId :
EB01-041025

Tgt Ion: 95 Resp: 63353

Ion	Ratio	Lower	Upper
95	100		
174	67.0	0.0	135.8
176	64.4	0.0	131.4

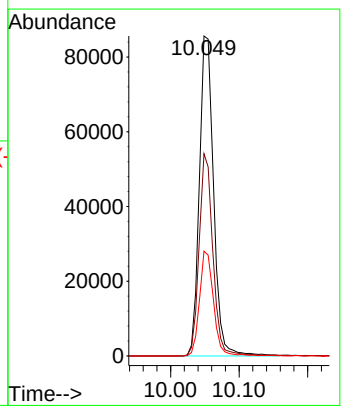


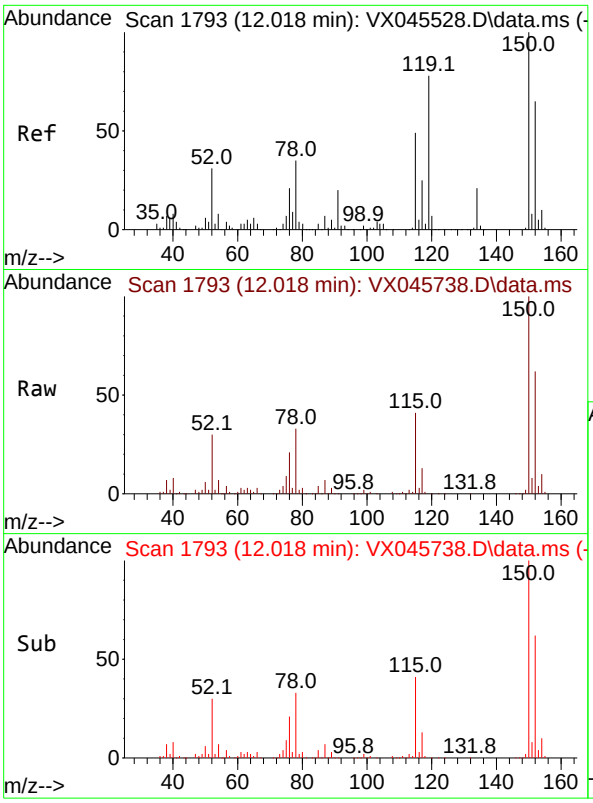


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045738.D
Acq: 11 Apr 2025 13:55

Tgt Ion:117 Resp: 124480

Ion	Ratio	Lower	Upper
117	100		
82	63.2	49.2	73.8
119	32.7	25.1	37.7



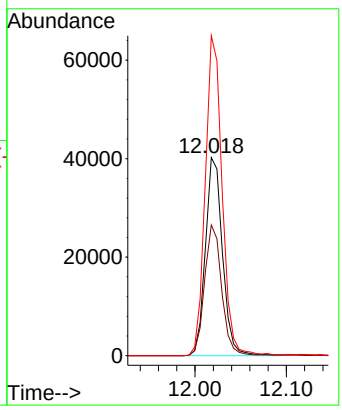


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045738.D
Acq: 11 Apr 2025 13:55

Instrument :
MSVOA_X
ClientSampleId :
EB01-041025

Tgt Ion:152 Resp: 52148

Ion	Ratio	Lower	Upper
152	100		
115	66.0	46.9	140.7
150	159.1	0.0	349.4



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/10/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/10/25
Client Sample ID:	FB01-041025	SDG No.:	Q1790
Lab Sample ID:	Q1790-19	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045739.D	1		04/11/25 14:18	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.6		74 - 125	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	51.1		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	62800	5.544			
540-36-3	1,4-Difluorobenzene	124000	6.757			
3114-55-4	Chlorobenzene-d5	116000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	50000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045739.D
Acq On : 11 Apr 2025 14:18
Operator : JC/MD
Sample : Q1790-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB01-041025

Quant Time: Apr 11 23:47:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

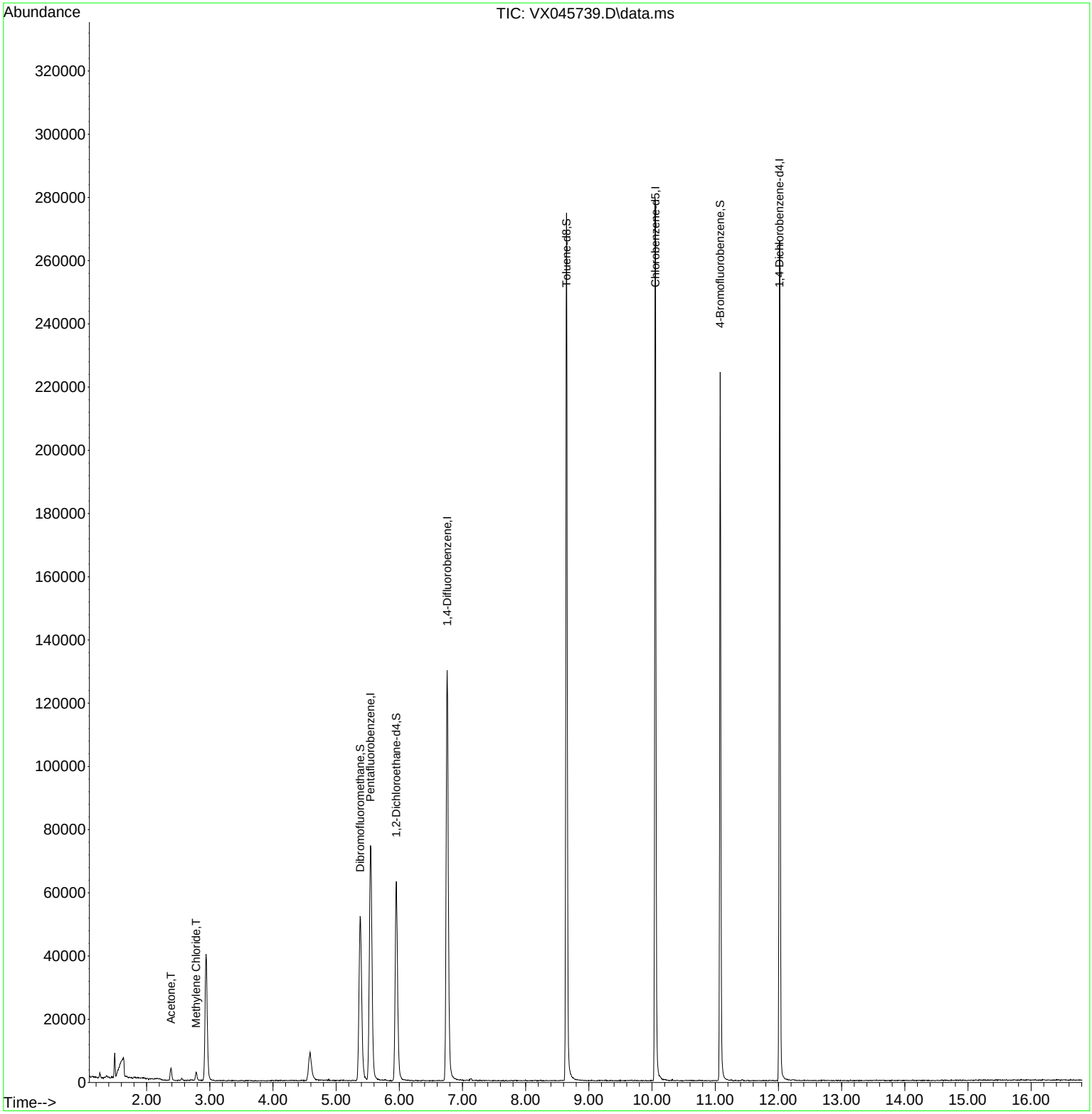
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	62833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124103	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63861	55.577	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.160%			
35) Dibromofluoromethane	5.379	113	45609	51.798	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.600%			
50) Toluene-d8	8.647	98	157166	51.139	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.280%			
62) 4-Bromofluorobenzene	11.079	95	58635	52.378	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.760%			
Target Compounds						Qvalue
16) Acetone	2.386	43	4372	9.266	ug/l	92
20) Methylene Chloride	2.782	84	1225	1.387	ug/l #	86

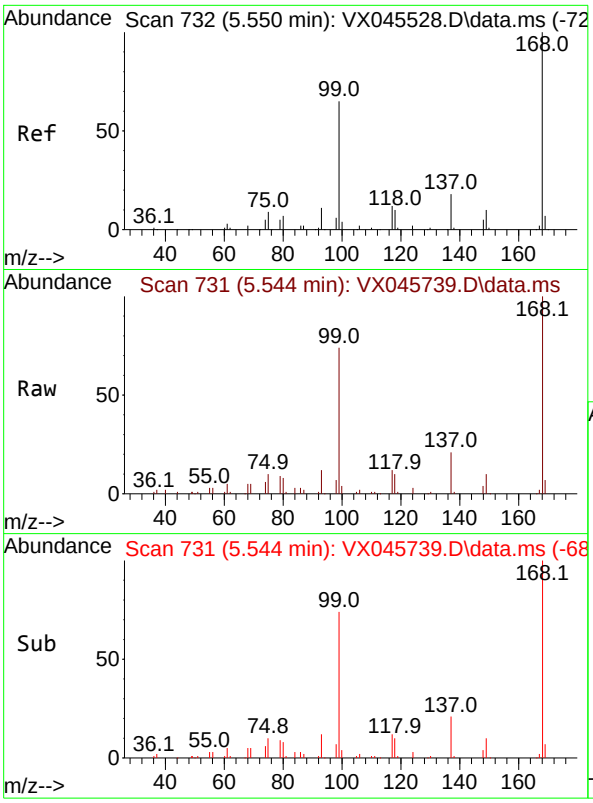
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045739.D
Acq On : 11 Apr 2025 14:18
Operator : JC/MD
Sample : Q1790-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB01-041025

Quant Time: Apr 11 23:47:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



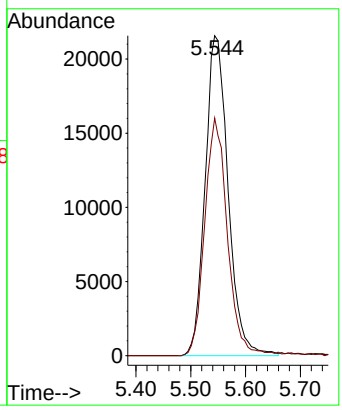


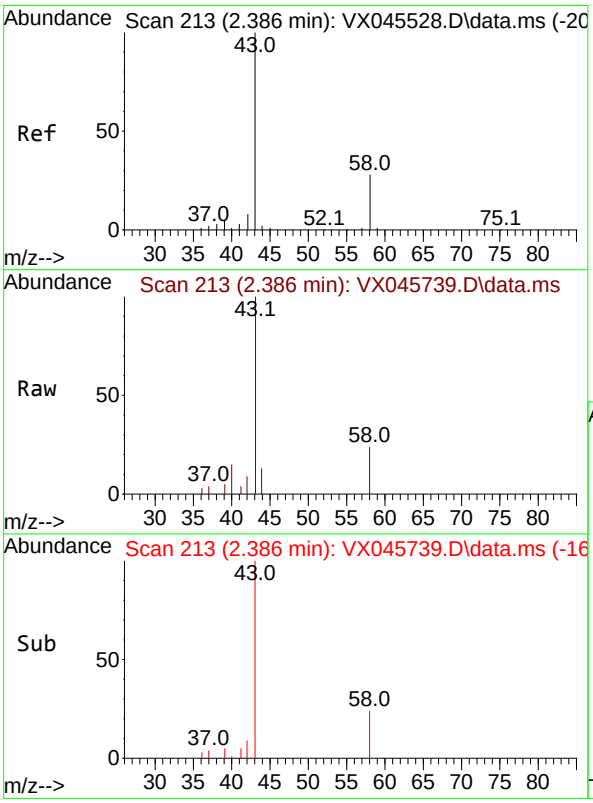
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045739.D
Acq: 11 Apr 2025 14:18

Instrument :
MSVOA_X
ClientSampleId :
FB01-041025

Tgt Ion:168 Resp: 62833

Ion	Ratio	Lower	Upper
168	100		
99	74.2	52.3	78.5

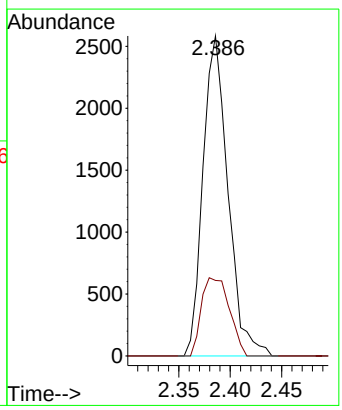


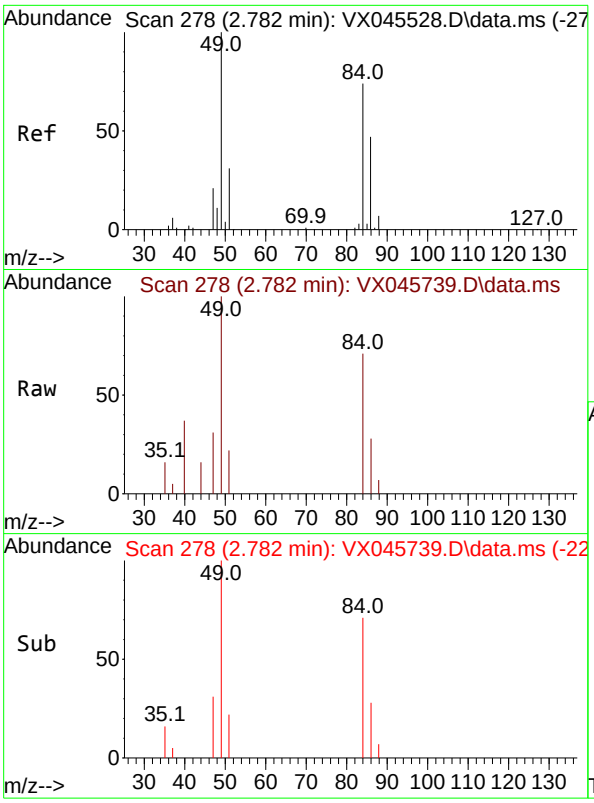


#16
Acetone
Concen: 9.266 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045739.D
Acq: 11 Apr 2025 14:18

Tgt Ion: 43 Resp: 4372

Ion	Ratio	Lower	Upper
43	100		
58	23.6	22.3	33.5



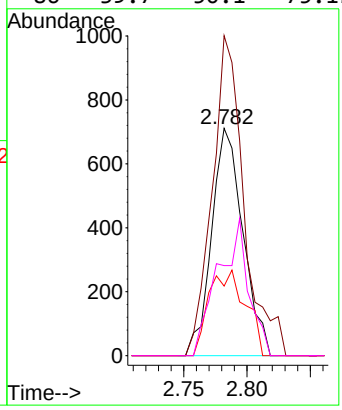


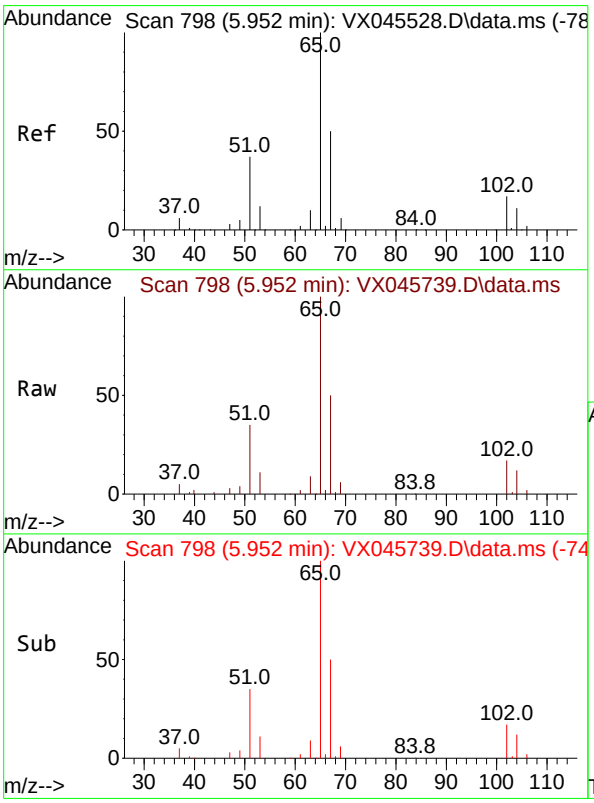
#20
Methylene Chloride
Concen: 1.387 ug/l
RT: 2.782 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045739.D
Acq: 11 Apr 2025 14:18

Instrument :
MSVOA_X
ClientSampleId :
FB01-041025

Tgt Ion: 84 Resp: 1225

Ion	Ratio	Lower	Upper
84	100		
49	140.8	107.5	161.3
51	30.7	33.0	49.6#
86	39.7	50.1	75.1#

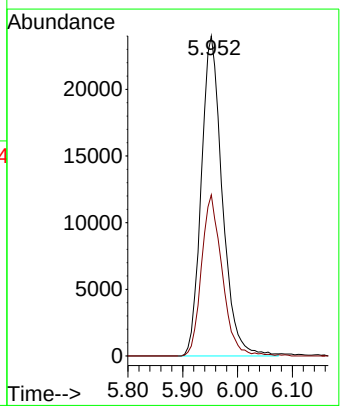


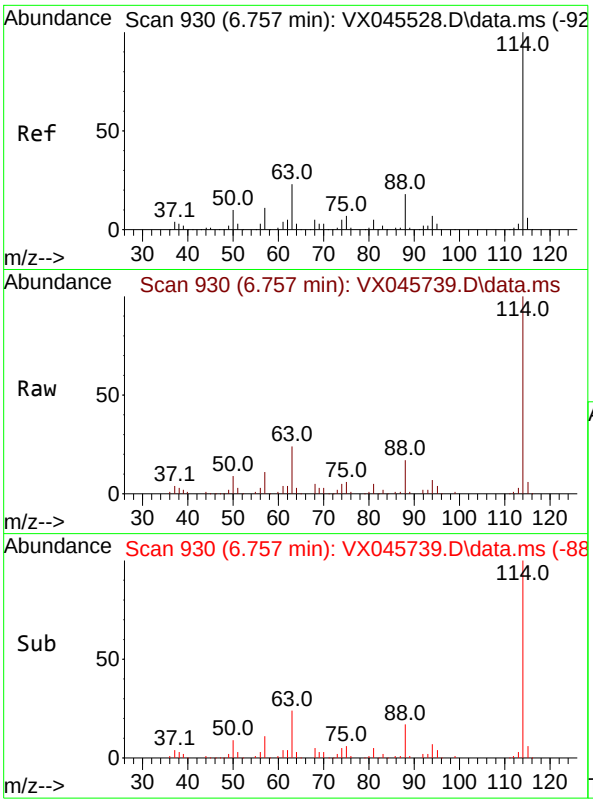


#33
1,2-Dichloroethane-d4
Concen: 55.577 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045739.D
Acq: 11 Apr 2025 14:18

Tgt Ion: 65 Resp: 63861

Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	99.0



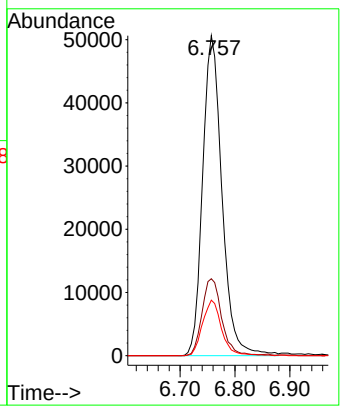


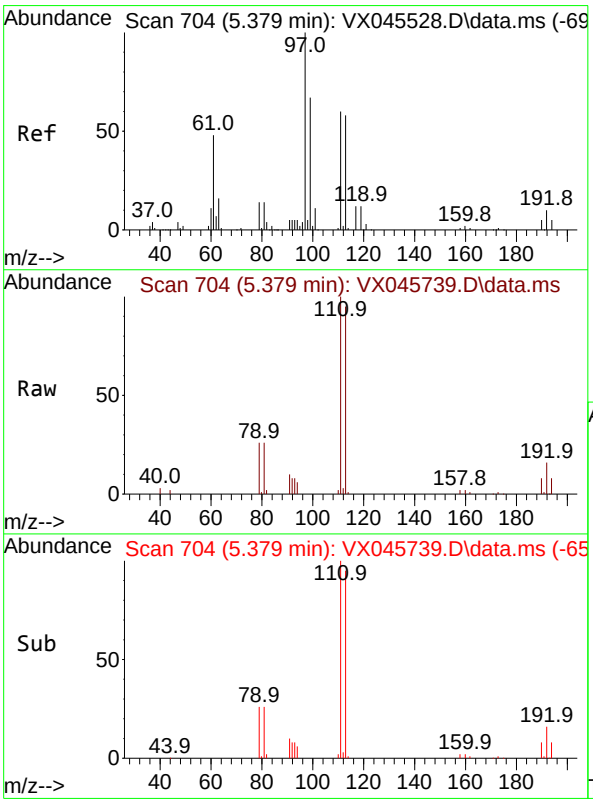
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045739.D
Acq: 11 Apr 2025 14:18

Instrument :
MSVOA_X
ClientSampleId :
FB01-041025

Tgt Ion:114 Resp: 124103

Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	46.8
88	17.3	0.0	35.4

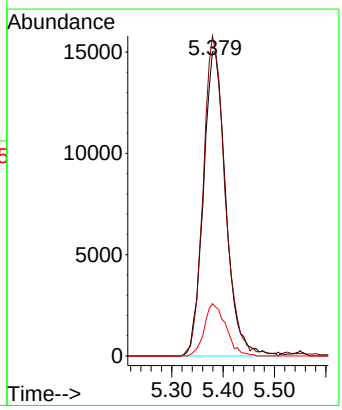


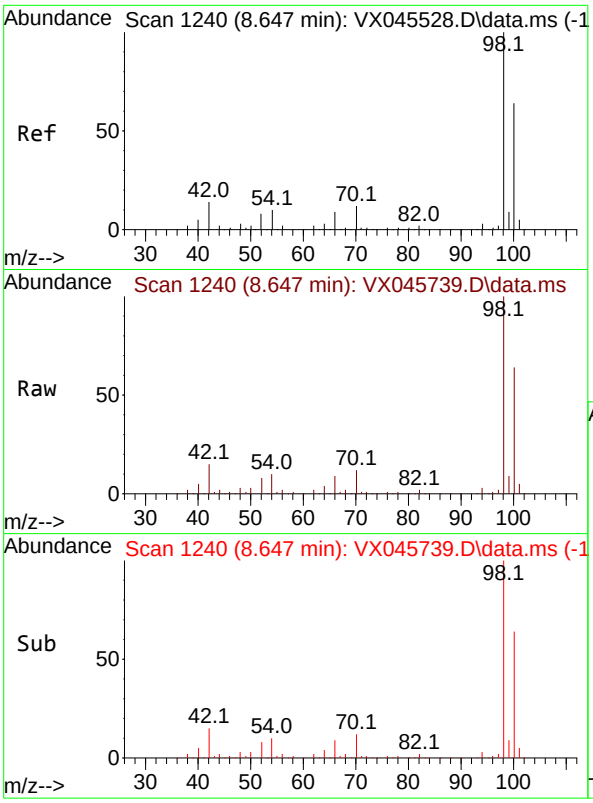


#35
Dibromofluoromethane
Concen: 51.798 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045739.D
Acq: 11 Apr 2025 14:18

Tgt Ion:113 Resp: 45609

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	16.5	13.8	20.6



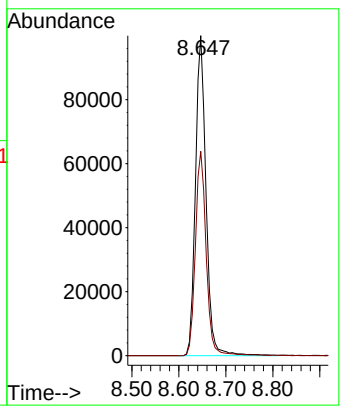


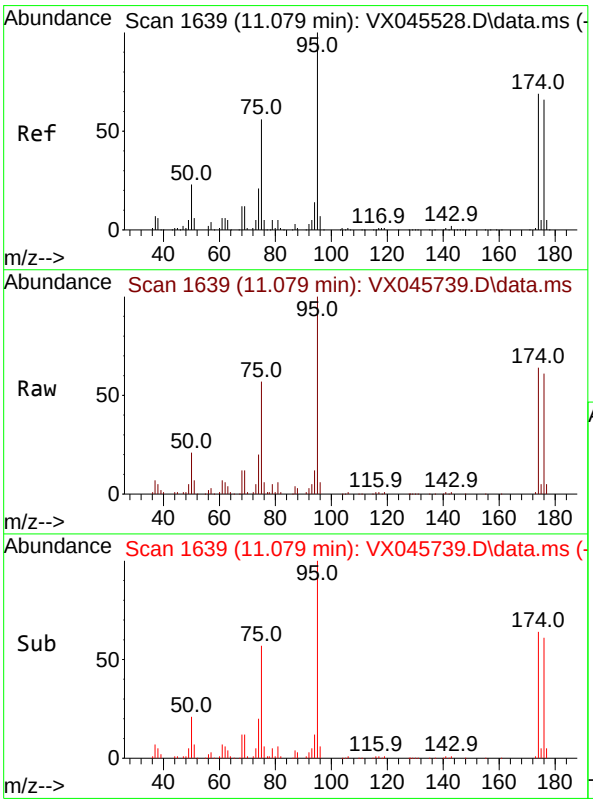
#50
Toluene-d8
Concen: 51.139 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045739.D
Acq: 11 Apr 2025 14:18

Instrument :
MSVOA_X
ClientSampleId :
FB01-041025

Tgt Ion: 98 Resp: 157166

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.4

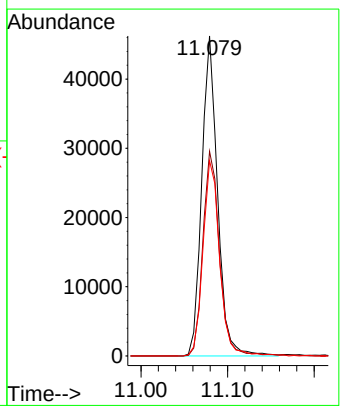


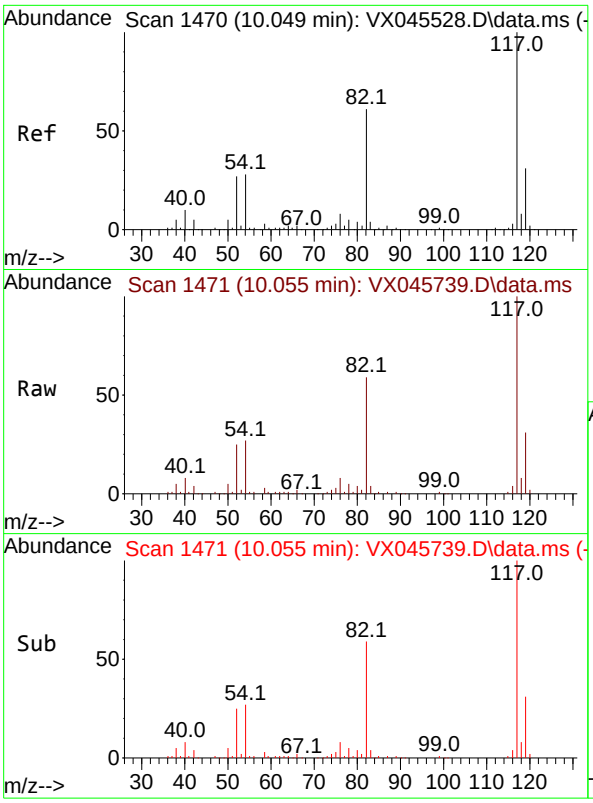


#62
4-Bromofluorobenzene
Concen: 52.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045739.D
Acq: 11 Apr 2025 14:18

Tgt Ion: 95 Resp: 58635

Ion	Ratio	Lower	Upper
95	100		
174	67.1	0.0	135.8
176	64.3	0.0	131.4



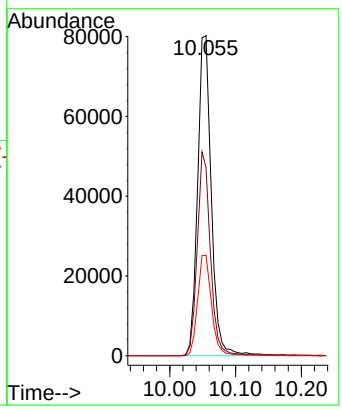


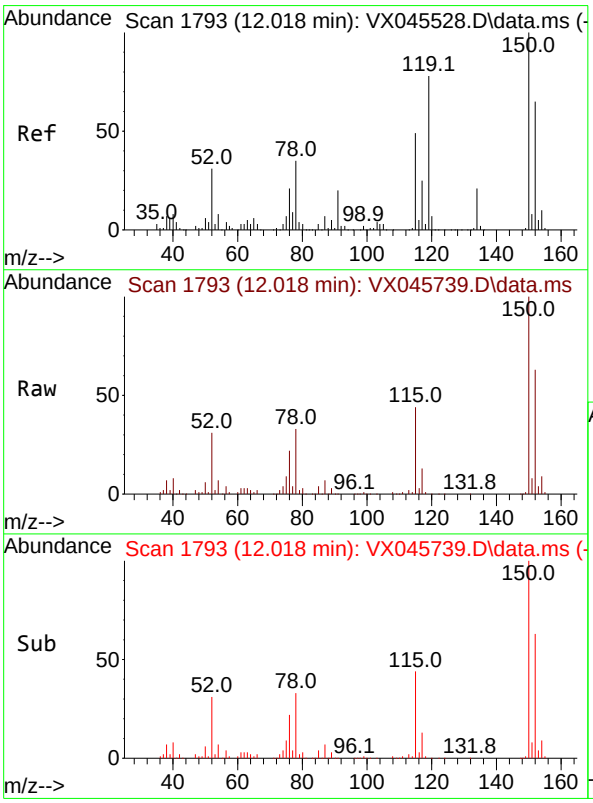
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045739.D
Acq: 11 Apr 2025 14:18

Instrument :
MSVOA_X
ClientSampleId :
FB01-041025

Tgt Ion:117 Resp: 115712

Ion	Ratio	Lower	Upper
117	100		
82	58.9	49.2	73.8
119	31.4	25.1	37.7

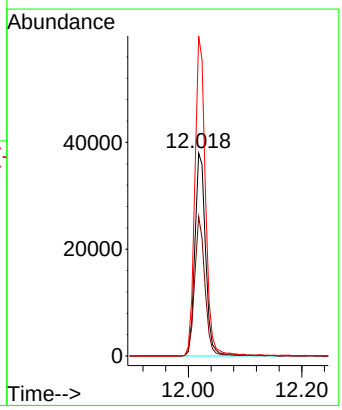




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045739.D
Acq: 11 Apr 2025 14:18

Tgt Ion:152 Resp: 50021

Ion	Ratio	Lower	Upper
152	100		
115	65.5	46.9	140.7
150	155.6	0.0	349.4



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG No.: Q1790

Instrument ID: MSVOA_X Calibration Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:06 19:02

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

LAB FILE ID: RRF001 = VX045525.D RRF005 = VX045526.D RRF020 = VX045527.D
RRF050 = VX045528.D RRF100 = VX045529.D RRF150 = VX045530.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Trichloroethene	0.349	0.322	0.356	0.351	0.351	0.356	0.348	3.7
1,2-Dichloroethane-d4		0.962	0.900	0.868	0.904	0.937	0.914	3.9
Dibromofluoromethane		0.372	0.342	0.345	0.353	0.362	0.355	3.5
Toluene-d8		1.257	1.233	1.214	1.230	1.257	1.238	1.5
4-Bromofluorobenzene		0.413	0.448	0.453	0.481	0.460	0.451	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 : 82X040225W.M
Title : SW846 8260
Last Update : Wed Apr 02 03:11:43 2025
Response Via : Initial Calibration

Calibration Files
1 =VX045525.D 5 =VX045526.D 20 =VX045527.D 50 =VX045528.D 100 =VX045529.D 150 =VX045530.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.615	0.695	0.700	0.820	0.837	0.820	0.748	12.13
3)	P	Chloromethane	0.764	0.734	0.777	0.784	0.815	0.734	0.768	4.05
4)	C	Vinyl Chloride	0.671	0.662	0.701	0.716	0.738	0.730	0.703	4.43#
5)	T	Bromomethane		0.342	0.327	0.330	0.341	0.327	0.333	2.20
6)	T	Chloroethane	0.378	0.397	0.390	0.398	0.355	0.319	0.373	8.27
7)	T	Trichlorofluor...	1.051	0.999	1.075	1.086	1.089	0.989	1.048	4.22
8)	T	Diethyl Ether	0.345	0.340	0.356	0.355	0.358	0.357	0.352	2.11
9)	T	1,1,2-Trichlor...	0.575	0.599	0.635	0.621	0.621	0.634	0.614	3.74
10)	T	Methyl Iodide		0.705	0.789	0.799	0.788	0.750	0.766	5.08
11)	T	Tert butyl alc...		0.111	0.124	0.127	0.128	0.124	0.123	5.44
12)	CM	1,1-Dichloroet...	0.563	0.588	0.612	0.604	0.618	0.616	0.600	3.51#
13)	T	Acrolein		0.176	0.161	0.167	0.170	0.172	0.169	3.41
14)	T	Allyl chloride	1.092	1.068	1.142	1.172	1.199	1.160	1.139	4.36
15)	T	Acrylonitrile	0.356	0.382	0.413	0.407	0.394	0.376	0.388	5.38
16)	T	Acetone	0.400	0.369	0.387	0.378	0.365	0.355	0.375	4.28
17)	T	Carbon Disulfide	1.334	1.327	1.434	1.553	1.604	1.642	1.483	9.24
18)	T	Methyl Acetate	0.901	0.863	0.864	0.857	0.855	0.846	0.864	2.22
19)	T	Methyl tert-bu...	1.915	1.964	2.169	2.118	2.217	2.216	2.100	6.20
20)	T	Methylene Chlo...	0.692	0.695	0.726	0.709	0.705	0.690	0.703	1.96
21)	T	trans-1,2-Dich...	0.574	0.594	0.636	0.624	0.621	0.630	0.613	3.94
22)	T	Diisopropyl ether	2.003	2.120	2.329	2.293	2.359	2.357	2.243	6.59
23)	T	Vinyl Acetate	1.542	1.693	2.005	2.087	2.147	2.156	1.938	13.34
24)	P	1,1-Dichloroet...	1.211	1.240	1.318	1.269	1.283	1.292	1.269	3.01
25)	T	2-Butanone	0.474	0.537	0.582	0.586	0.571	0.548	0.550	7.55
26)	T	2,2-Dichloropr...	0.676	0.757	0.802	0.847	0.903	0.933	0.820	11.67
27)	T	cis-1,2-Dichlo...	0.762	0.696	0.760	0.751	0.754	0.760	0.747	3.43
28)	T	Bromochloromet...	0.671	0.608	0.617	0.596	0.610	0.576	0.613	5.18
29)	T	Tetrahydrofuran	0.339	0.341	0.371	0.371	0.364	0.352	0.356	4.05
30)	C	Chloroform	1.244	1.309	1.348	1.315	1.309	1.309	1.306	2.60#
31)	T	Cyclohexane		1.044	1.148	1.123	1.145	1.149	1.122	4.00
32)	T	1,1,1-Trichlor...	1.028	1.052	1.120	1.109	1.153	1.167	1.105	4.96
33)	S	1,2-Dichloroet...		0.962	0.900	0.868	0.904	0.937	0.914	3.94
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.372	0.342	0.345	0.353	0.362	0.355	3.48
36)	T	1,1-Dichloropr...	0.477	0.443	0.474	0.485	0.496	0.499	0.479	4.26
37)	T	Ethyl Acetate	0.582	0.565	0.609	0.623	0.629	0.614	0.604	4.15
38)	T	Carbon Tetrach...	0.450	0.497	0.521	0.536	0.545	0.556	0.518	7.49
39)	T	Methylcyclohexane	0.519	0.527	0.596	0.622	0.628	0.632	0.587	8.76
40)	TM	Benzene	1.414	1.416	1.519	1.481	1.483	1.465	1.463	2.81
41)	T	Methacrylonitrile	0.252	0.276	0.338	0.351	0.350	0.343	0.318	13.52
42)	TM	1,2-Dichloroet...	0.533	0.585	0.649	0.622	0.620	0.617	0.604	6.72
43)	T	Isopropyl Acetate	0.735	0.831	0.952	0.978	1.002	0.991	0.915	11.77
44)	TM	Trichloroethene	0.349	0.322	0.356	0.351	0.351	0.356	0.348	3.67
45)	C	1,2-Dichloropr...	0.309	0.365	0.388	0.376	0.379	0.374	0.365	7.83#
46)	T	Dibromomethane	0.237	0.287	0.297	0.292	0.286	0.282	0.280	7.76
47)	T	Bromodichlorom...	0.521	0.519	0.576	0.571	0.587	0.583	0.560	5.56
48)	T	Methyl methacr...	0.405	0.416	0.486	0.508	0.518	0.502	0.472	10.44
49)	T	1,4-Dioxane	0.007	0.010	0.009	0.009	0.009	0.008	0.009	13.93
50)	S	Toluene-d8		1.257	1.233	1.214	1.230	1.257	1.238	1.50
51)	T	4-Methyl-2-Pen...	0.499	0.578	0.661	0.663	0.647	0.589	0.606	10.57
52)	CM	Toluene	0.817	0.866	0.939	0.910	0.905	0.875	0.885	4.79#
53)	T	t-1,3-Dichloro...	0.316	0.400	0.465	0.508	0.555	0.558	0.467	20.27
54)	T	cis-1,3-Dichlo...	0.371	0.474	0.546	0.568	0.597	0.600	0.526	16.88
55)	T	1,1,2-Trichlor...	0.337	0.346	0.376	0.359	0.358	0.340	0.353	4.11
56)	T	Ethyl methacry...	0.407	0.482	0.562	0.600	0.629	0.595	0.546	15.54

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X040225W.M

57)	T	1,3-Dichloropr...	0.555	0.614	0.652	0.633	0.630	0.601	0.614	5.49
58)	T	2-Chloroethyl ...	0.221	0.257	0.286	0.298	0.301	0.293	0.276	11.26
59)	T	2-Hexanone	0.363	0.429	0.488	0.492	0.484	0.439	0.449	11.14
60)	T	Dibromochlorom...	0.313	0.352	0.404	0.412	0.421	0.405	0.385	11.06
61)	T	1,2-Dibromoethane	0.294	0.351	0.380	0.373	0.380	0.364	0.357	9.12
62)	S	4-Bromofluorob...		0.413	0.448	0.453	0.481	0.460	0.451	5.45
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.346	0.373	0.371	0.347	0.333	0.347	0.353	4.47
65)	PM	Chlorobenzene	0.951	1.054	1.123	1.084	1.086	1.112	1.068	5.83
66)	T	1,1,1,2-Tetrac...	0.368	0.344	0.372	0.373	0.379	0.390	0.371	4.18
67)	C	Ethyl Benzene	1.608	1.819	2.002	2.007	1.993	2.053	1.914	8.89#
68)	T	m/p-Xylenes	0.594	0.669	0.732	0.728	0.723	0.729	0.696	7.92
69)	T	o-Xylene	0.562	0.676	0.725	0.719	0.716	0.714	0.686	9.17
70)	T	Styrene	0.897	1.043	1.202	1.216	1.230	1.202	1.132	11.82
71)	P	Bromoform	0.220	0.252	0.272	0.296	0.307	0.315	0.277	13.07
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.581	3.850	4.224	4.181	4.043	4.151	4.005	6.17
74)	T	N-amyl acetate	1.442	1.682	1.960	2.058	2.132	2.221	1.916	15.51
75)	P	1,1,2,2-Tetrac...	1.457	1.428	1.461	1.384	1.354	1.358	1.407	3.43
76)	T	1,2,3-Trichlor...	1.221	1.257	1.251	1.225	1.192	1.171	1.220	2.71
77)	T	Bromobenzene	0.877	0.927	0.953	0.938	0.925	0.932	0.925	2.77
78)	T	n-propylbenzene	3.734	4.346	5.012	4.896	4.819	4.872	4.613	10.59
79)	T	2-Chlorotoluene	2.894	2.873	3.130	2.966	2.915	2.918	2.949	3.19
80)	T	1,3,5-Trimethy...	2.931	3.119	3.571	3.511	3.367	3.371	3.312	7.35
81)	T	trans-1,4-Dich...		0.274	0.323	0.371	0.401	0.428	0.359	17.16
82)	T	4-Chlorotoluene	2.961	3.156	3.470	3.449	3.350	3.343	3.288	5.93
83)	T	tert-Butylbenzene	2.894	3.124	3.437	3.427	3.387	3.405	3.279	6.78
84)	T	1,2,4-Trimethy...	2.906	3.129	3.529	3.523	3.438	3.420	3.324	7.57
85)	T	sec-Butylbenzene	3.195	3.828	4.316	4.300	4.232	4.292	4.027	11.12
86)	T	p-Isopropyltol...	2.734	3.157	3.515	3.524	3.506	3.484	3.320	9.63
87)	T	1,3-Dichlorobe...	1.658	1.605	1.726	1.699	1.714	1.706	1.684	2.70
88)	T	1,4-Dichlorobe...	1.671	1.724	1.768	1.703	1.674	1.706	1.708	2.09
89)	T	n-Butylbenzene	2.117	2.486	2.974	3.160	3.256	3.283	2.879	16.50
90)	T	Hexachloroethane	0.493	0.493	0.556	0.597	0.623	0.661	0.571	12.14
91)	T	1,2-Dichlorobe...	1.644	1.645	1.750	1.678	1.665	1.667	1.675	2.34
92)	T	1,2-Dibromo-3-...	0.196	0.260	0.312	0.316	0.333	0.349	0.294	19.37
93)	T	1,2,4-Trichlor...	0.727	0.844	0.948	0.947	1.045	1.083	0.932	14.07
94)	T	Hexachlorobuta...	0.379	0.389	0.401	0.404	0.415	0.422	0.402	4.03
95)	T	Naphthalene	2.544	3.070	3.630	3.722	3.867	3.982	3.469	15.93
96)	T	1,2,3-Trichlor...	0.782	0.916	0.999	1.000	1.063	1.097	0.976	11.63

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045525.D
Acq On : 01 Apr 2025 17:06
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:50:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	96737	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	175266	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	153312	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61114	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.167	85	1189	0.822	ug/l		94
3) Chloromethane	1.307	50	1479	0.995	ug/l	#	86
4) Vinyl Chloride	1.374	62	1299	0.955	ug/l		98
6) Chloroethane	1.673	64	732	1.014	ug/l	#	67
7) Trichlorofluoromethane	1.880	101	2034	1.003	ug/l		93
8) Diethyl Ether	2.130	74	668	0.981	ug/l		83
9) 1,1,2-Trichlorotrifluo...	2.325	101	1113	0.936	ug/l		94
12) 1,1-Dichloroethene	2.313	96	1090	0.939	ug/l		95
14) Allyl chloride	2.660	41	2113	0.959	ug/l		93
15) Acrylonitrile	3.075	53	3446	4.592	ug/l		95
16) Acetone	2.380	43	3867	5.323	ug/l		98
17) Carbon Disulfide	2.508	76	2580	0.899	ug/l	#	95
18) Methyl Acetate	2.703	43	1744	1.043	ug/l		91
19) Methyl tert-butyl Ether	3.117	73	3705	0.912	ug/l		92
20) Methylene Chloride	2.782	84	1338	0.984	ug/l		91
21) trans-1,2-Dichloroethene	3.087	96	1111	0.936	ug/l	#	93
22) Diisopropyl ether	3.758	45	3875	0.893	ug/l	#	59
23) Vinyl Acetate	3.727	43	14921	3.979	ug/l		95
24) 1,1-Dichloroethane	3.611	63	2343	0.954	ug/l	#	90
25) 2-Butanone	4.581	43	4590	4.317	ug/l		92
26) 2,2-Dichloropropane	4.471	77	1307	0.824	ug/l		85
27) cis-1,2-Dichloroethene	4.495	96	1475	1.020	ug/l		80
28) Bromochloromethane	4.891	49	1298	1.094	ug/l	#	97
29) Tetrahydrofuran	5.032	42	3276	4.752	ug/l		97
30) Chloroform	5.093	83	2406	0.953	ug/l		84
32) 1,1,1-Trichloroethane	5.385	97	1989	0.931	ug/l	#	53
36) 1,1-Dichloropropene	5.696	75	1671	0.995	ug/l	#	89
37) Ethyl Acetate	4.751	43	2040	0.964	ug/l	#	76
38) Carbon Tetrachloride	5.672	117	1578	0.870	ug/l	#	91
39) Methylcyclohexane	7.379	83	1818	0.883	ug/l	#	89
40) Benzene	6.038	78	4957	0.967	ug/l		97
41) Methacrylonitrile	4.952	41	883m	0.784	ug/l		
42) 1,2-Dichloroethane	6.092	62	1867	0.882	ug/l		86
43) Isopropyl Acetate	6.361	43	2578	0.804	ug/l	#	86
44) Trichloroethene	7.123	130	1224	1.004	ug/l		87
45) 1,2-Dichloropropane	7.434	63	1082	0.846	ug/l		90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045525.D
Acq On : 01 Apr 2025 17:06
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:50:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	831	0.846	ug/l		90
47) Bromodichloromethane	7.824	83	1827	0.931	ug/l	#	77
48) Methyl methacrylate	7.720	41	1419	0.857	ug/l		92
49) 1,4-Dioxane	7.671	88	458m	15.288	ug/l		
51) 4-Methyl-2-Pentanone	8.574	43	8746	4.114	ug/l		100
52) Toluene	8.720	92	2863	0.923	ug/l		96
53) t-1,3-Dichloropropene	8.988	75	1109	2.850	ug/l		93
54) cis-1,3-Dichloropropene	8.379	75	1300	0.705	ug/l		90
55) 1,1,2-Trichloroethane	9.159	97	1183	0.957	ug/l	#	76
56) Ethyl methacrylate	9.129	69	1425m	0.745	ug/l		
57) 1,3-Dichloropropane	9.311	76	1946	0.904	ug/l		91
58) 2-Chloroethyl Vinyl ether	8.245	63	3880	4.008	ug/l		93
59) 2-Hexanone	9.439	43	6360	4.040	ug/l		85
60) Dibromochloromethane	9.519	129	1097	0.814	ug/l		99
61) 1,2-Dibromoethane	9.610	107	1032	0.825	ug/l		96
64) Tetrachloroethene	9.269	164	1062	0.981	ug/l		92
65) Chlorobenzene	10.080	112	2916	0.890	ug/l		95
66) 1,1,1,2-Tetrachloroethane	10.159	131	1128	0.992	ug/l	#	64
67) Ethyl Benzene	10.195	91	4930	0.840	ug/l		90
68) m/p-Xylenes	10.305	106	3645	1.708	ug/l		97
69) o-Xylene	10.640	106	1724	0.820	ug/l		83
70) Styrene	10.659	104	2750	0.793	ug/l		94
71) Bromoform	10.805	173	675	0.795	ug/l	#	94
73) Isopropylbenzene	10.964	105	4377	0.894	ug/l		95
74) N-amyl acetate	10.854	43	1762	0.752	ug/l	#	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	1781	1.036	ug/l		94
76) 1,2,3-Trichloropropane	11.244	75	1493m	1.002	ug/l		
77) Bromobenzene	11.201	156	1072	0.948	ug/l		95
78) n-propylbenzene	11.305	91	4564	0.809	ug/l		97
79) 2-Chlorotoluene	11.366	91	3537	0.981	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	3582	0.885	ug/l		100
82) 4-Chlorotoluene	11.457	91	3619	0.900	ug/l		96
83) tert-Butylbenzene	11.713	119	3537	0.883	ug/l		94
84) 1,2,4-Trimethylbenzene	11.750	105	3552	0.874	ug/l		99
85) sec-Butylbenzene	11.890	105	3905	0.793	ug/l		98
86) p-Isopropyltoluene	12.012	119	3342	0.824	ug/l		94
87) 1,3-Dichlorobenzene	11.969	146	2026	0.984	ug/l		97
88) 1,4-Dichlorobenzene	12.043	146	2042m	0.978	ug/l		
89) n-Butylbenzene	12.335	91	2587	0.735	ug/l		99
90) Hexachloroethane	12.543	117	602	0.863	ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	2009	0.981	ug/l		93
92) 1,2-Dibromo-3-Chloropr...	12.945	75	239	0.665	ug/l	#	73
93) 1,2,4-Trichlorobenzene	13.591	180	888	0.779	ug/l		94
94) Hexachlorobutadiene	13.725	225	463	0.943	ug/l		90
95) Naphthalene	13.780	128	3109	0.733	ug/l		99
96) 1,2,3-Trichlorobenzene	13.969	180	956	0.801	ug/l		88

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

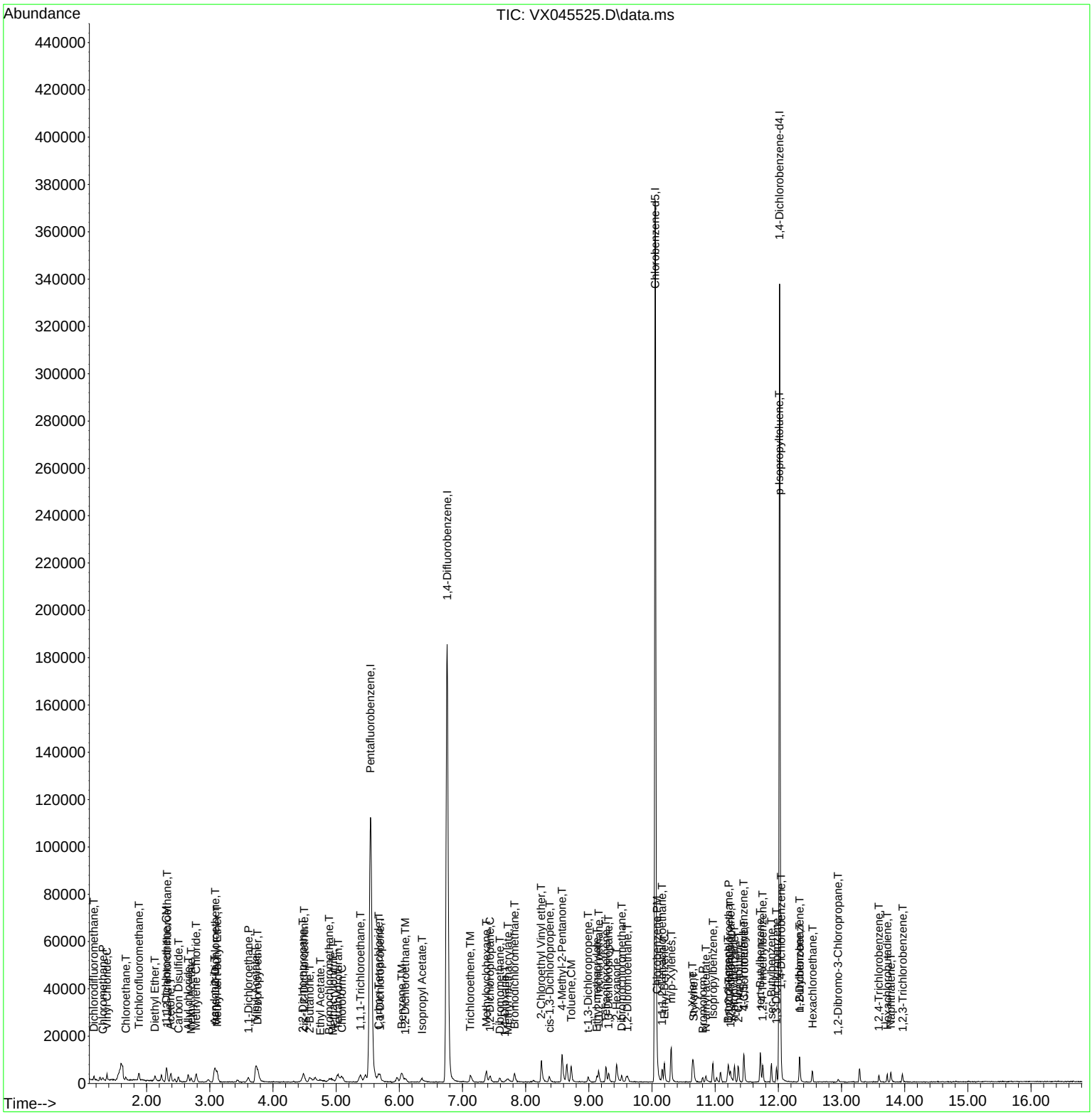
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Data File : VX045525.D
Acq On : 01 Apr 2025 17:06
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

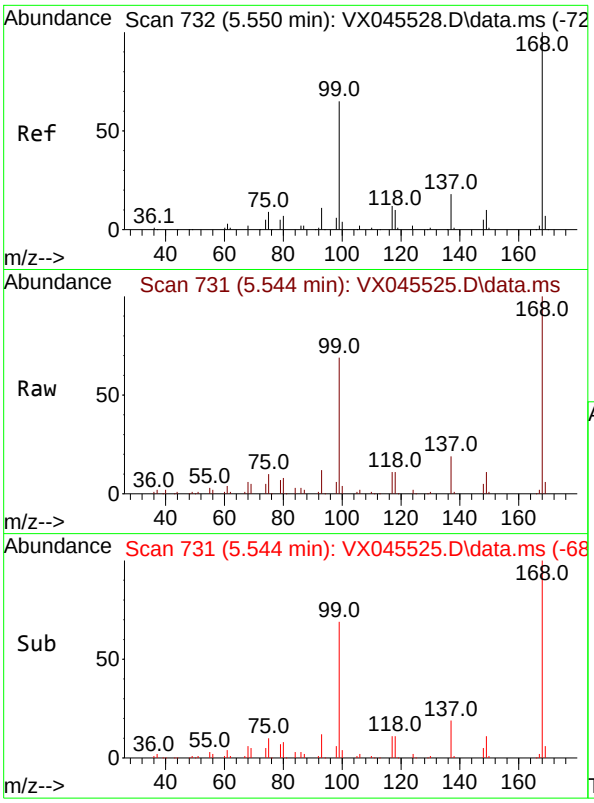
Quant Time: Apr 02 02:50:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

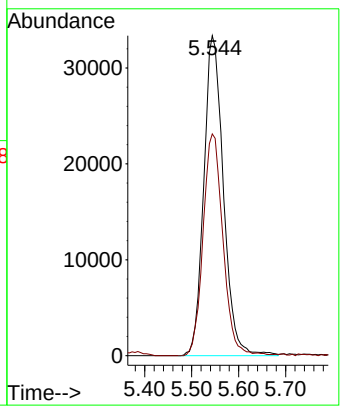




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:168 Resp: 9673

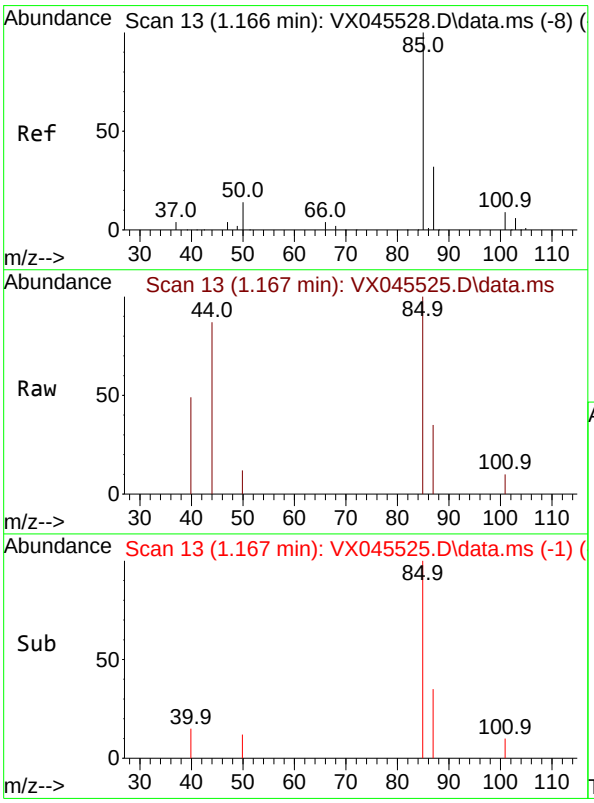
Ion	Ratio	Lower	Upper
168	100		
99	69.3	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

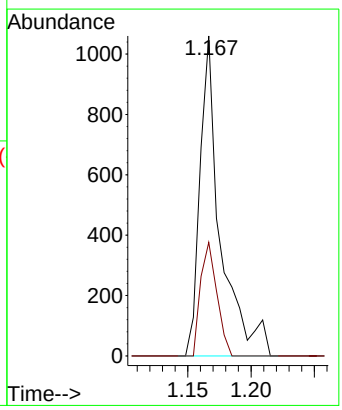
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

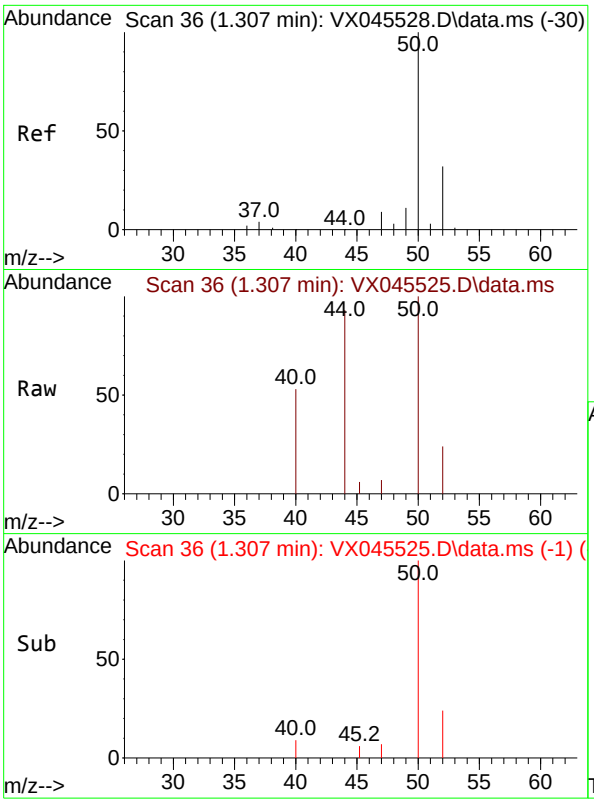


#2
Dichlorodifluoromethane
Concen: 0.822 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 85 Resp: 1189

Ion	Ratio	Lower	Upper
85	100		
87	35.5	16.1	48.2

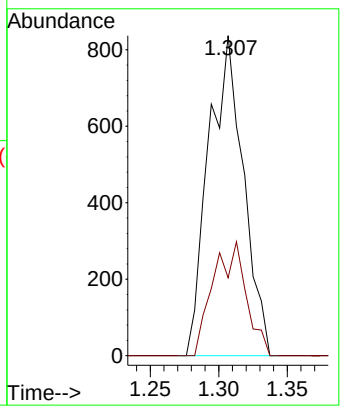




#3
Chloromethane
Concen: 0.995 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 50 Resp: 147

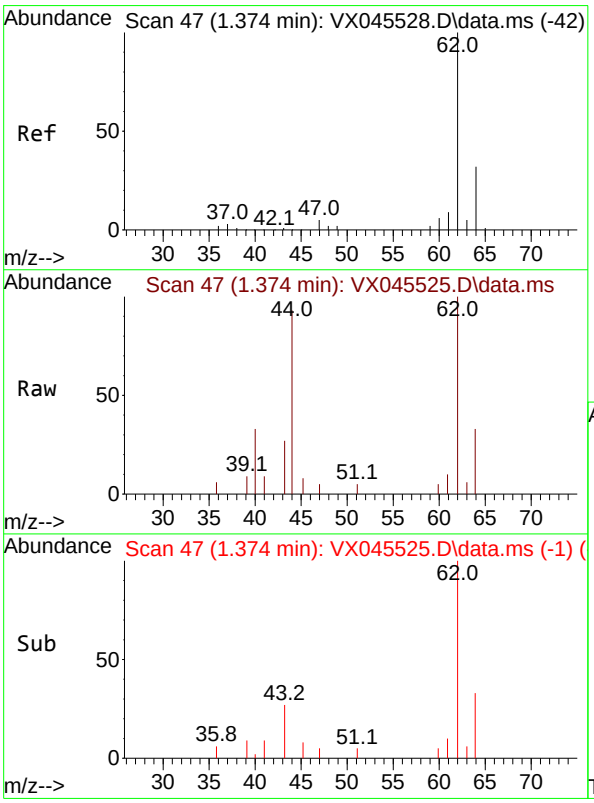
Ion	Ratio	Lower	Upper
50	100		
52	24.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

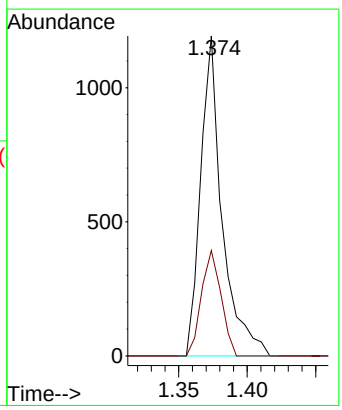
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

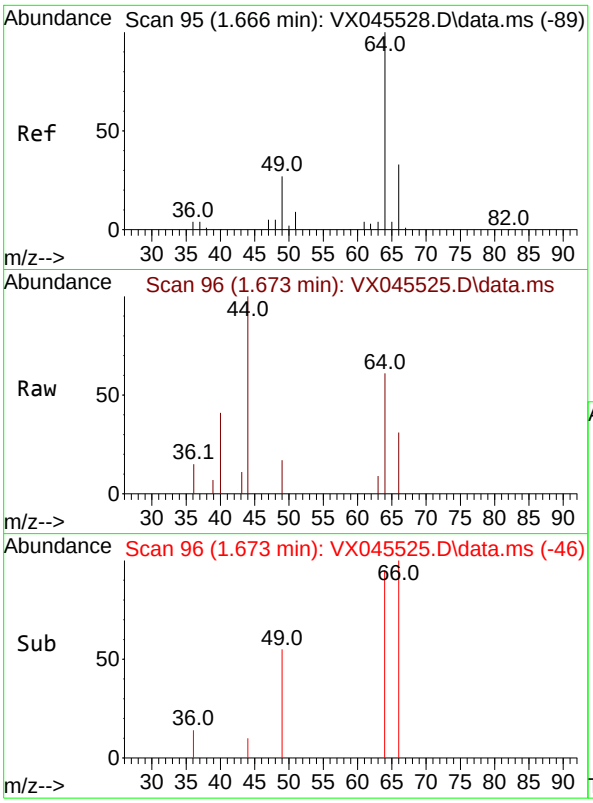


#4
Vinyl Chloride
Concen: 0.955 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 62 Resp: 1299

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.5	38.3

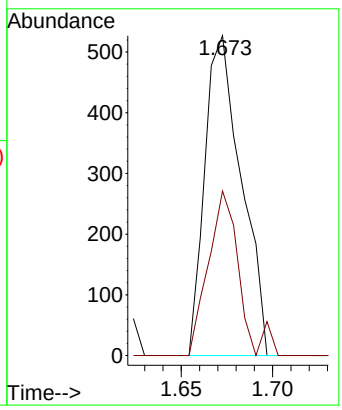




#6
Chloroethane
Concen: 1.014 ug/l
RT: 1.673 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 64 Resp: 73

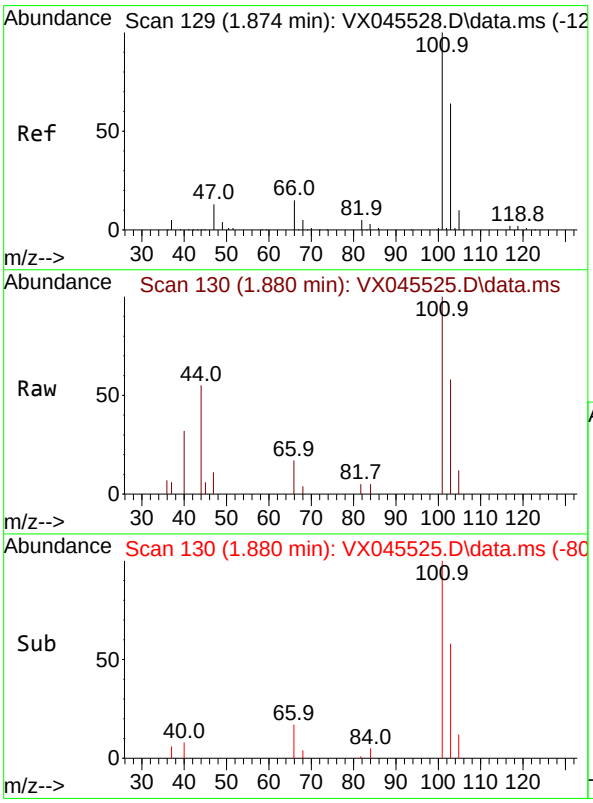
Ion	Ratio	Lower	Upper
64	100		
66	51.4	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

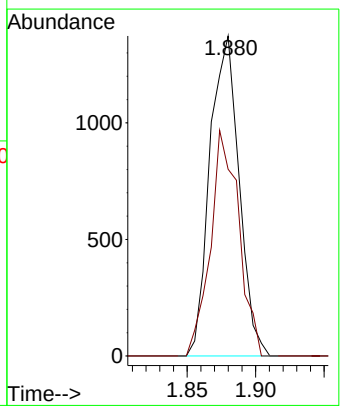
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

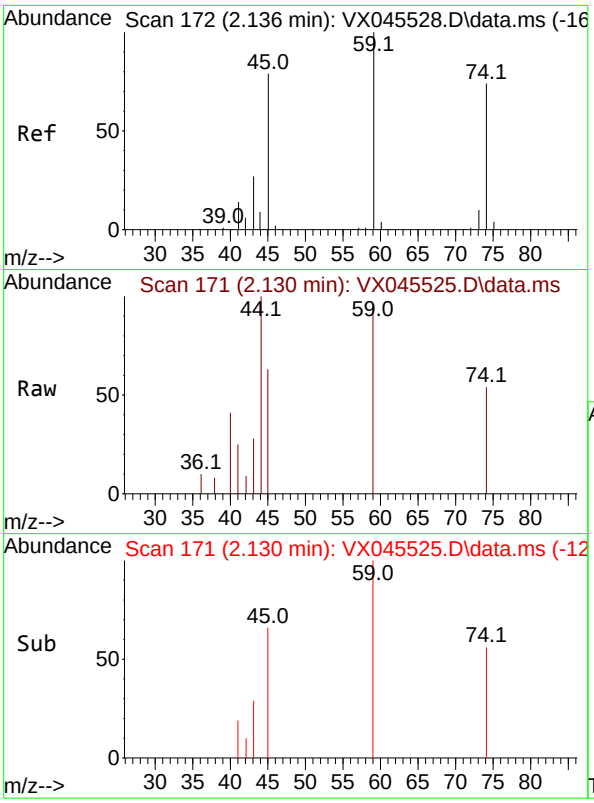


#7
Trichlorofluoromethane
Concen: 1.003 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:101 Resp: 2034

Ion	Ratio	Lower	Upper
101	100		
103	58.3	51.1	76.7





#8
Diethyl Ether
Concen: 0.981 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

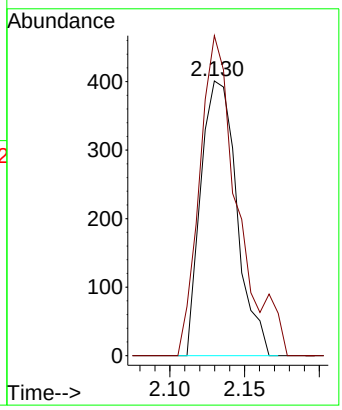
Tgt Ion: 74 Resp: 66

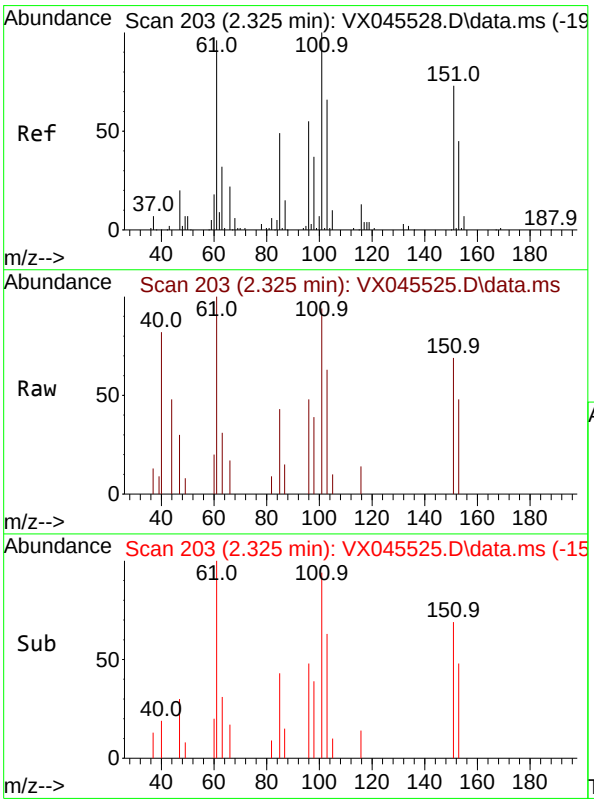
Ion	Ratio	Lower	Upper
74	100		
45	124.1	53.0	159.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

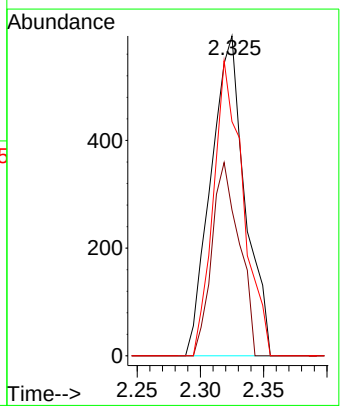


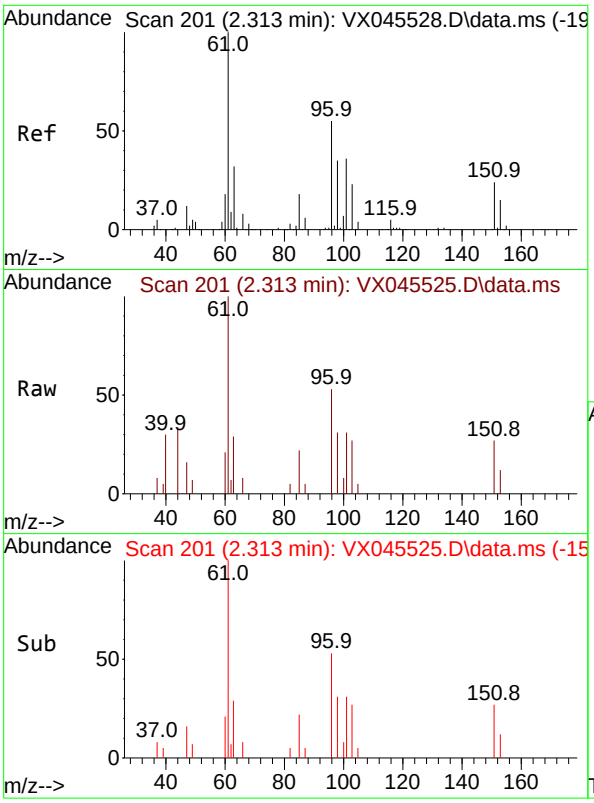


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.936 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:101 Resp: 1113

Ion	Ratio	Lower	Upper
101	100		
85	48.7	38.9	58.3
151	80.3	57.5	86.3

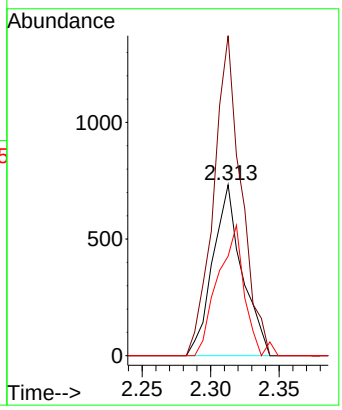




#12
1,1-Dichloroethene
Concen: 0.939 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 96 Resp: 109(

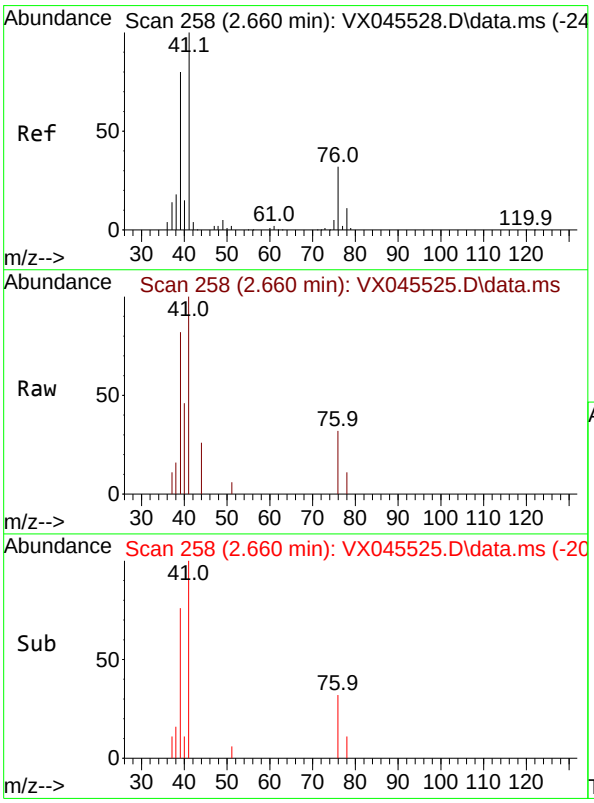
Ion	Ratio	Lower	Upper
96	100		
61	187.2	145.7	218.5
98	58.3	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

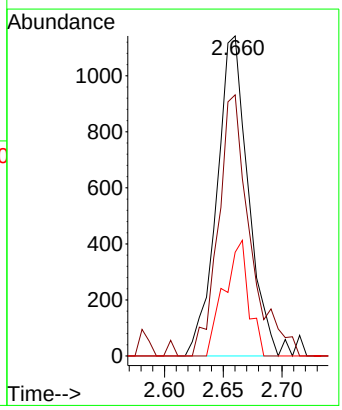
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

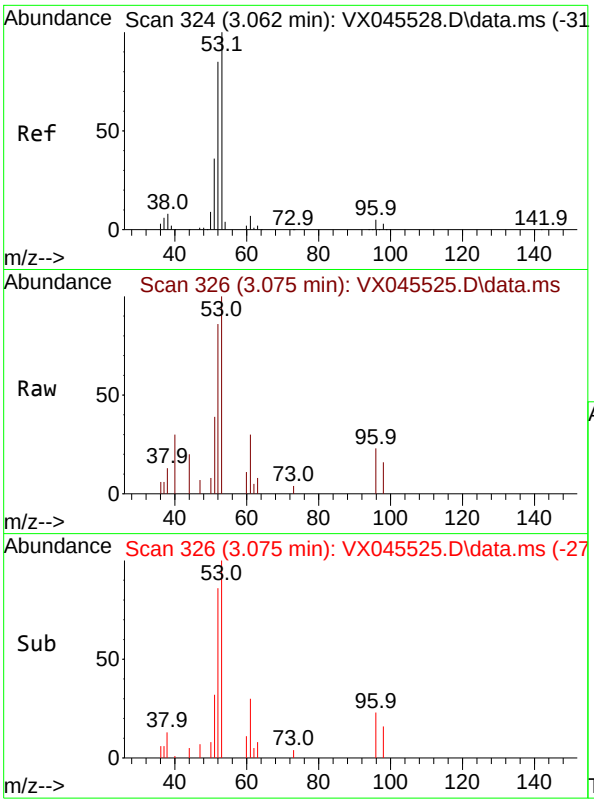


#14
Allyl chloride
Concen: 0.959 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 41 Resp: 2113

Ion	Ratio	Lower	Upper
41	100		
39	82.6	60.2	90.2
76	28.3	24.6	36.8

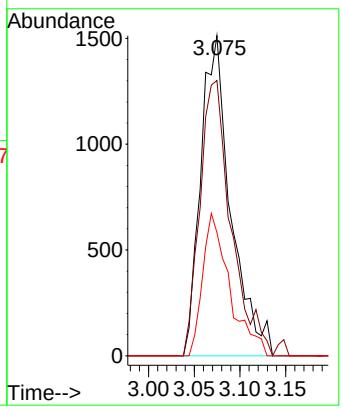




#15
Acrylonitrile
Concen: 4.592 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 53 Resp: 344

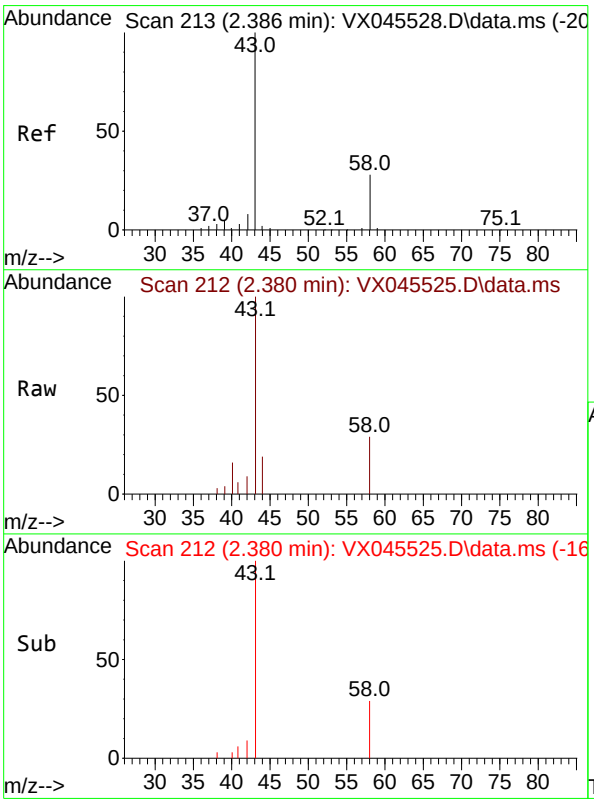
Ion	Ratio	Lower	Upper
53	100		
52	89.4	67.4	101.2
51	40.1	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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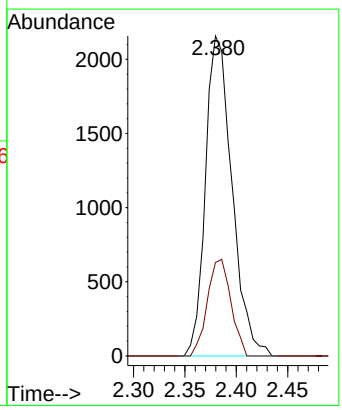
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

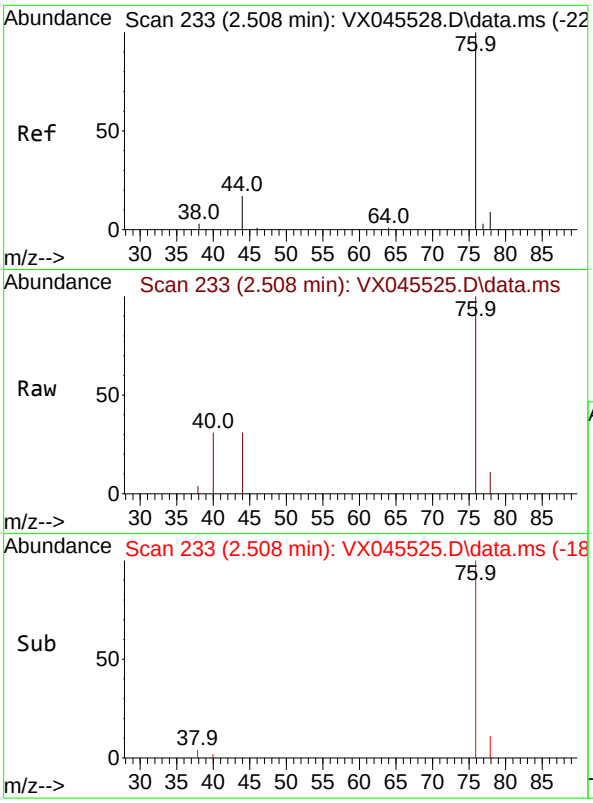


#16
Acetone
Concen: 5.323 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 3867

Ion	Ratio	Lower	Upper
43	100		
58	29.2	22.3	33.5





#17
Carbon Disulfide
Concen: 0.899 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

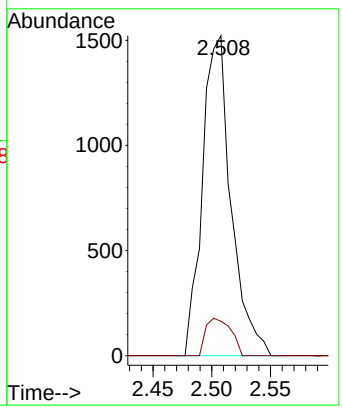
Tgt Ion: 76 Resp: 258

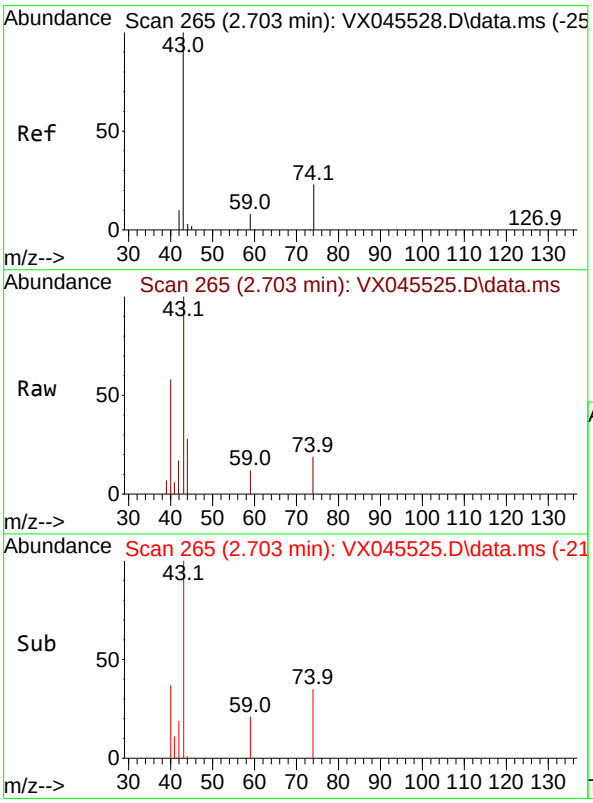
Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

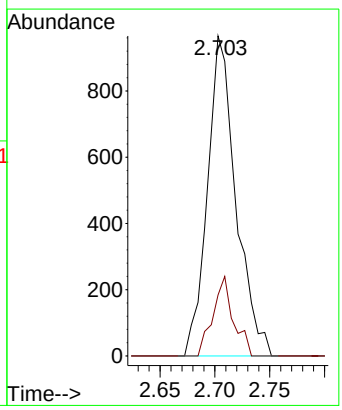


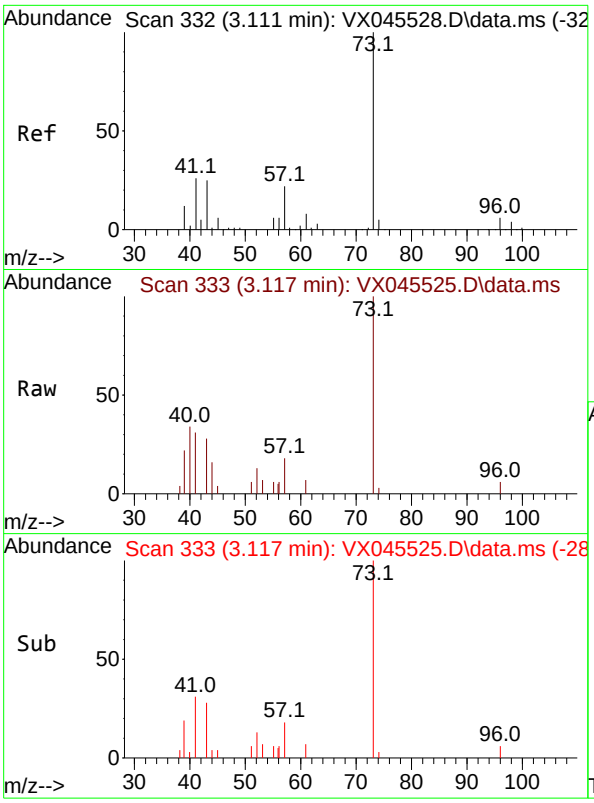


#18
Methyl Acetate
Concen: 1.043 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 1744

Ion	Ratio	Lower	Upper
43	100		
74	17.8	17.5	26.3

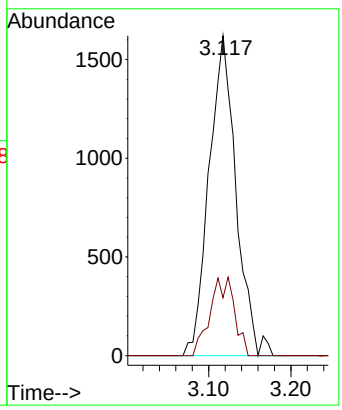




#19
Methyl tert-butyl Ether
Concen: 0.912 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 73 Resp: 370

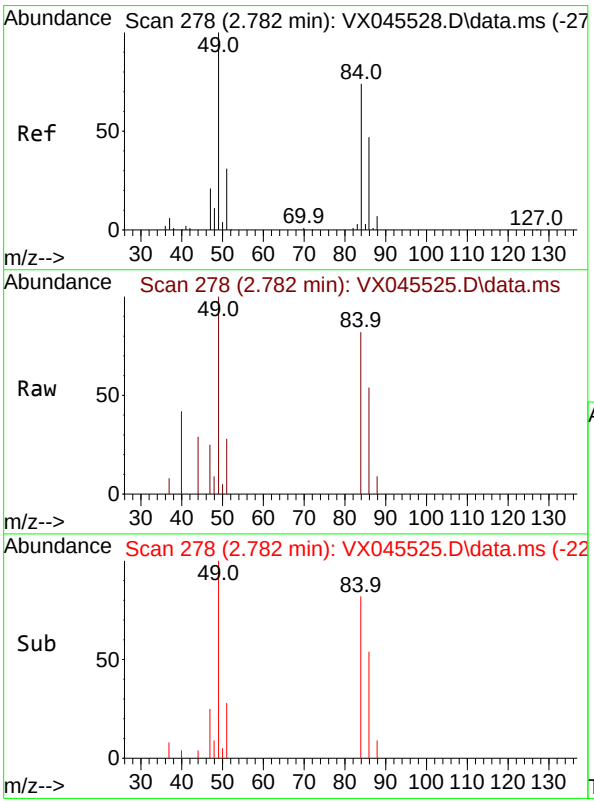
Ion	Ratio	Lower	Upper
73	100		
57	18.1	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

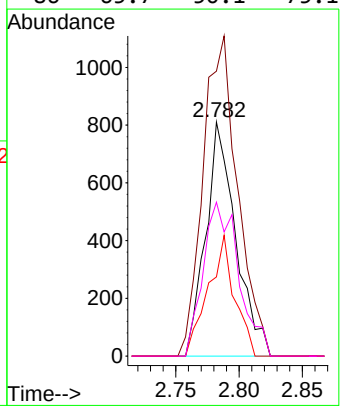
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

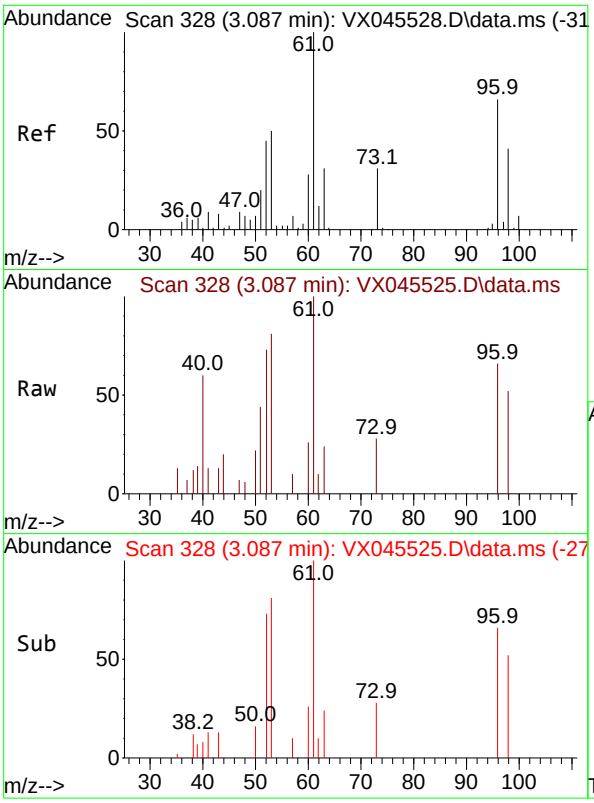


#20
Methylene Chloride
Concen: 0.984 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 84 Resp: 1338

Ion	Ratio	Lower	Upper
84	100		
49	121.7	107.5	161.3
51	33.8	33.0	49.6
86	65.7	50.1	75.1

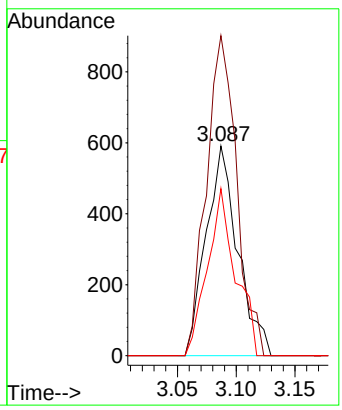




#21
trans-1,2-Dichloroethene
Concen: 0.936 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 96 Resp: 111

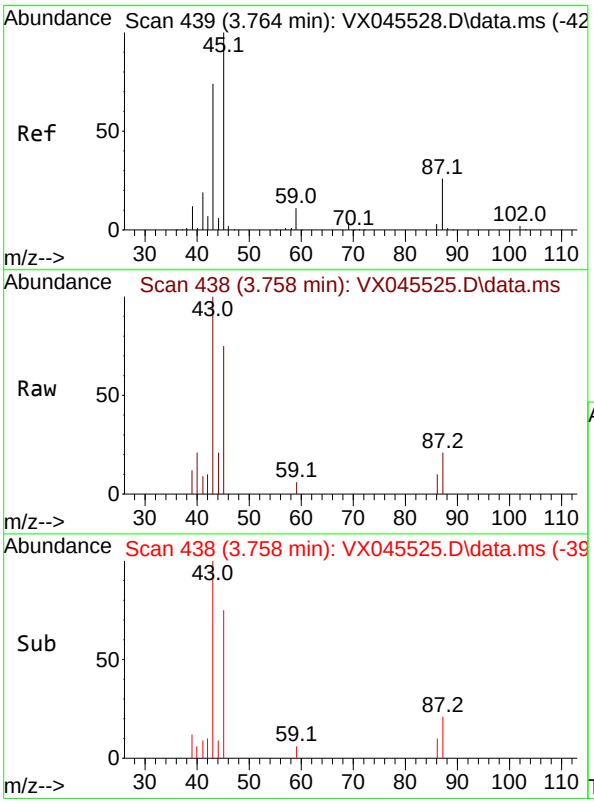
Ion	Ratio	Lower	Upper
96	100		
61	152.6	121.0	181.6
98	79.7	49.7	74.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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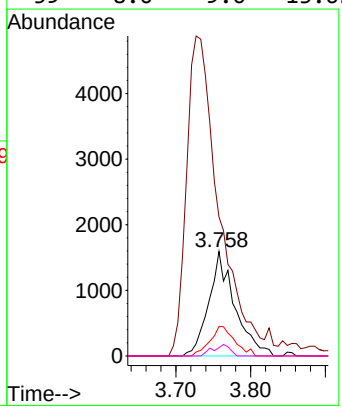
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

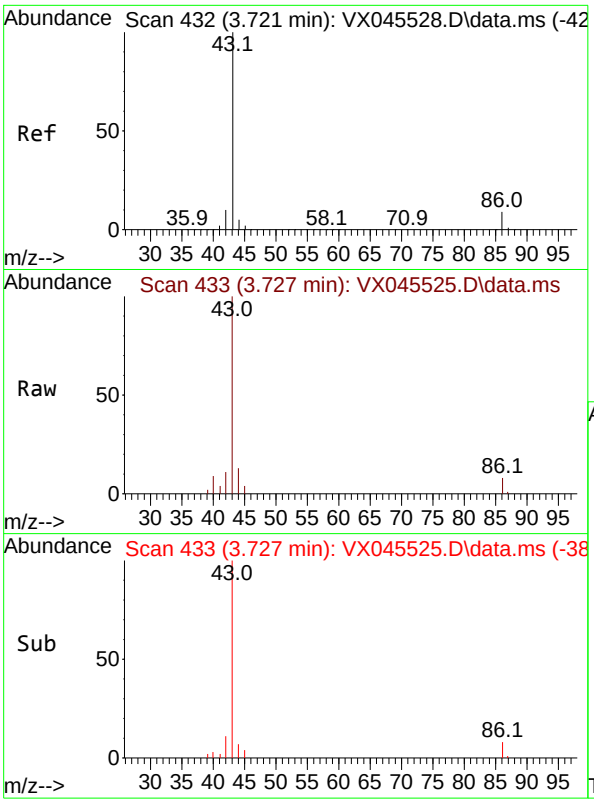


#22
Diisopropyl ether
Concen: 0.893 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 45 Resp: 3875

Ion	Ratio	Lower	Upper
45	100		
43	123.5	59.3	88.9#
87	28.2	20.4	30.6
59	8.0	9.0	13.6#





#23
Vinyl Acetate
Concen: 3.979 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

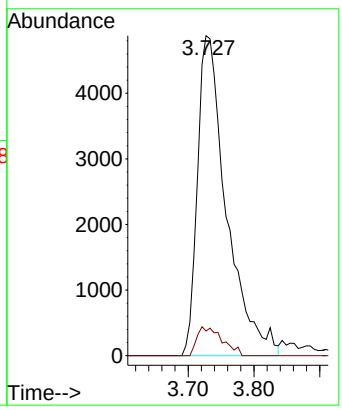
Tgt Ion: 43 Resp: 1492

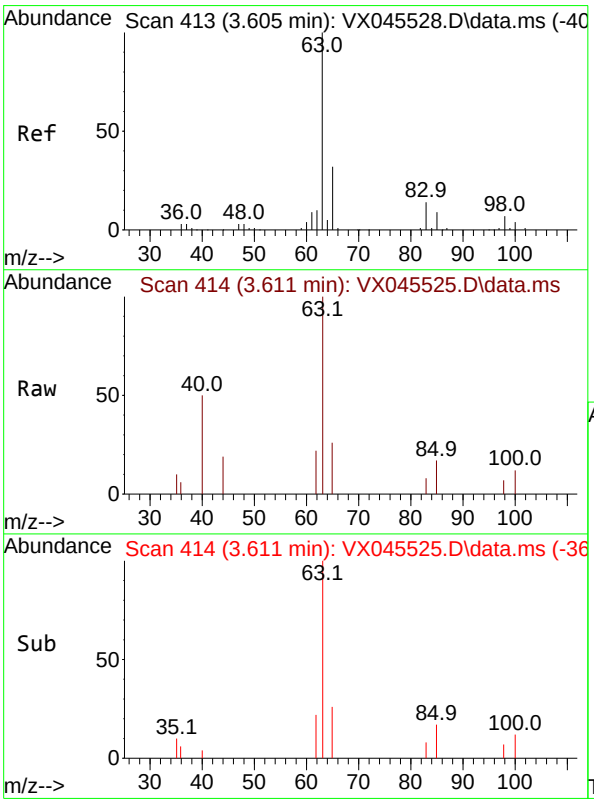
Ion	Ratio	Lower	Upper
43	100		
86	7.7	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

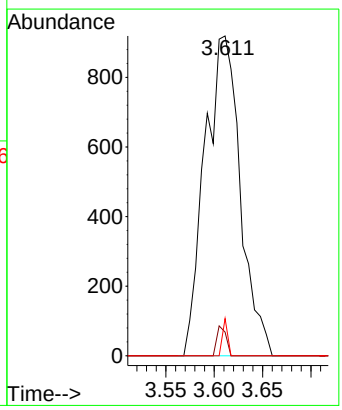


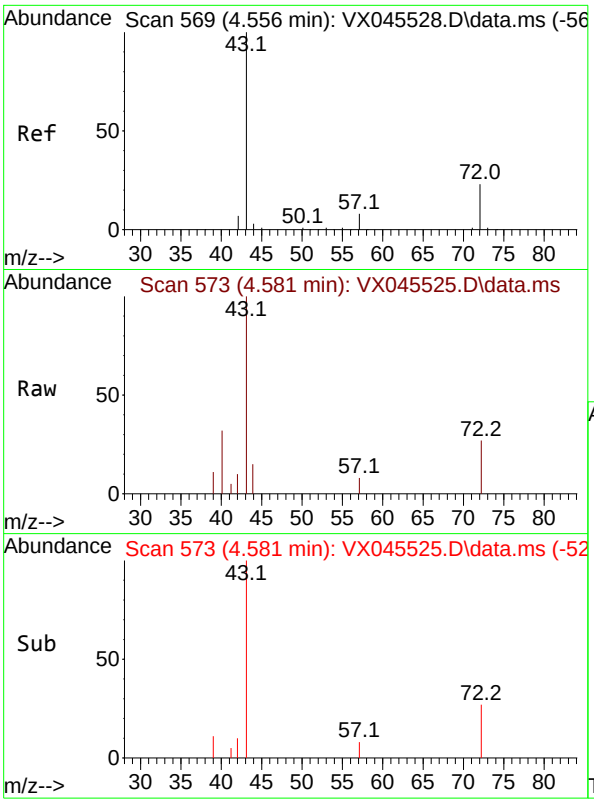


#24
1,1-Dichloroethane
Concen: 0.954 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 63 Resp: 2343

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.1
100	11.6	2.2	6.6#

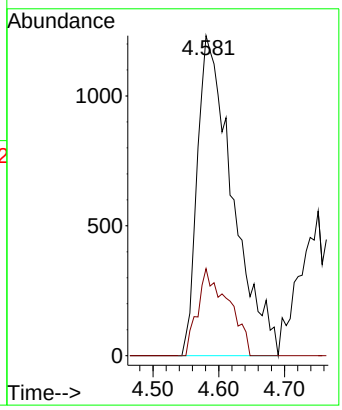




#25
2-Butanone
Concen: 4.317 ug/l
RT: 4.581 min Scan# 5
Delta R.T. 0.025 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 459

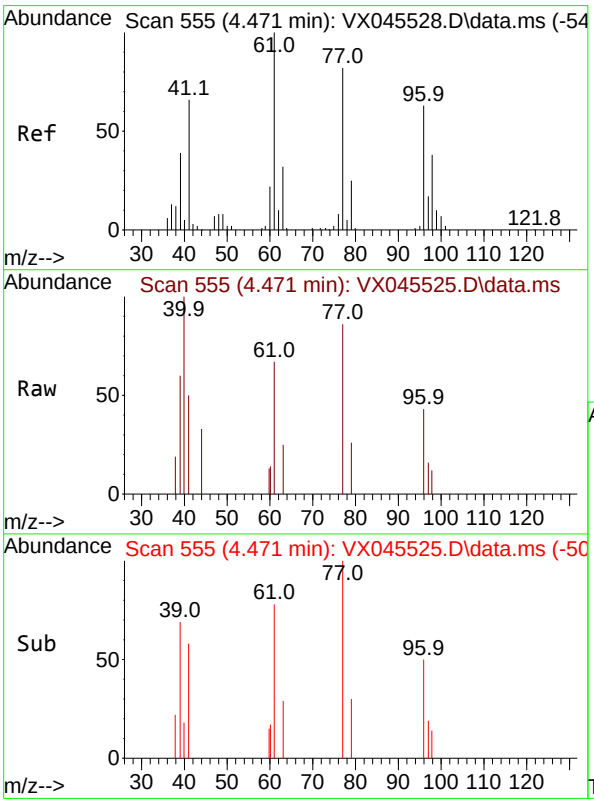
Ion	Ratio	Lower	Upper
43	100		
72	27.2	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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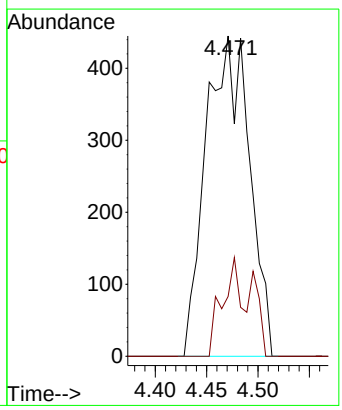
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

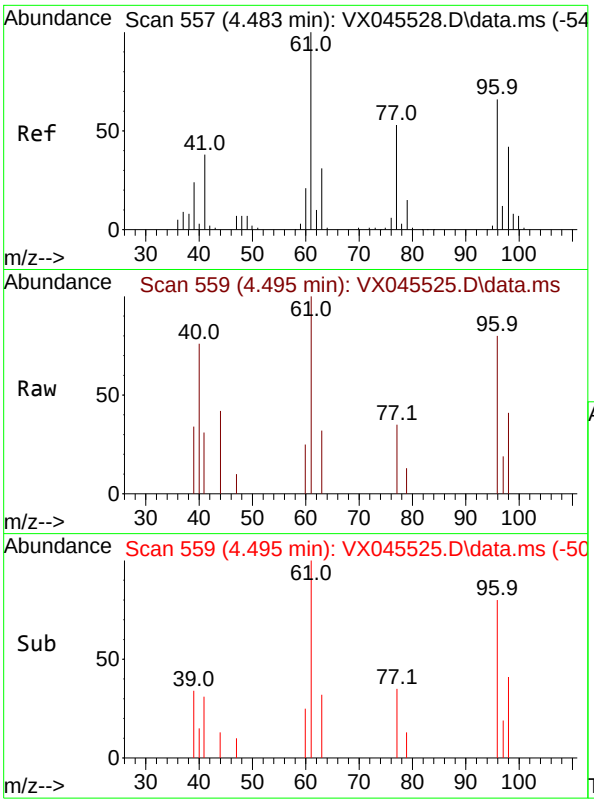


#26
2,2-Dichloropropane
Concen: 0.824 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 77 Resp: 1307

Ion	Ratio	Lower	Upper
77	100		
97	13.9	10.6	31.8

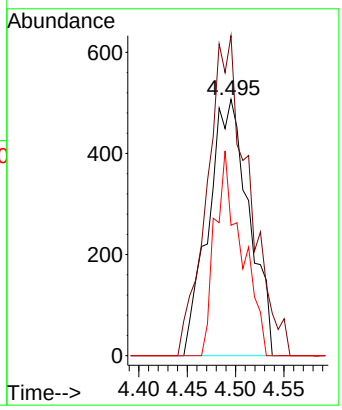




#27
cis-1,2-Dichloroethene
Concen: 1.020 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 96 Resp: 147

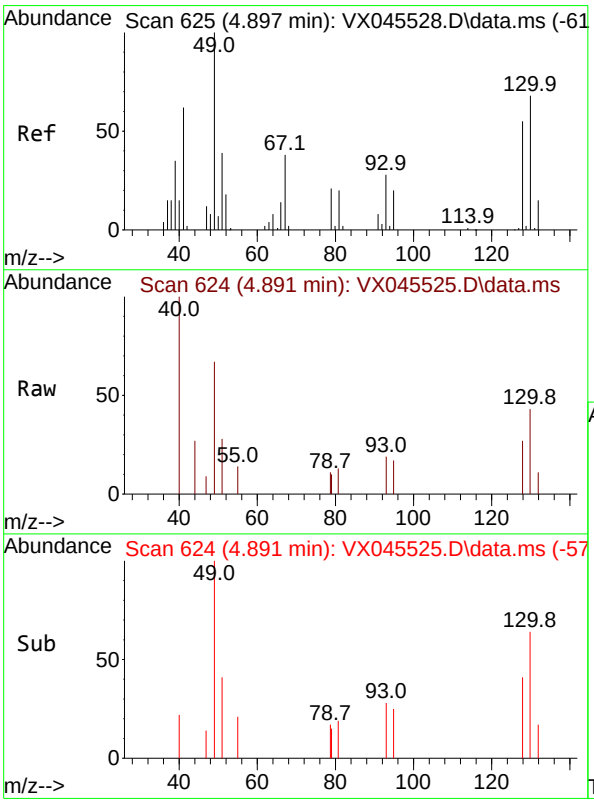
Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	313.2
98	52.4	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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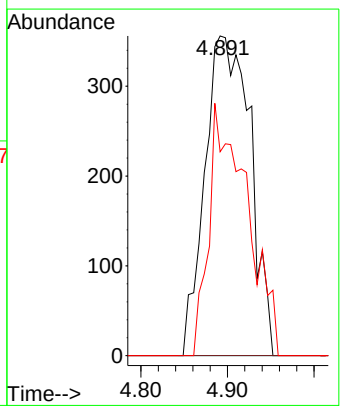
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

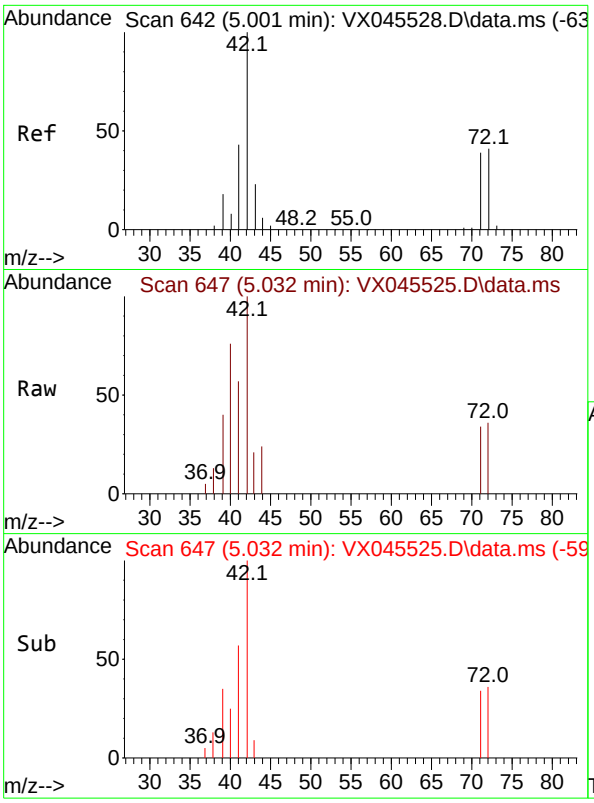


#28
Bromochloromethane
Concen: 1.094 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 49 Resp: 1298

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	66.0	54.6	81.8





#29
Tetrahydrofuran
Concen: 4.752 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.031 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

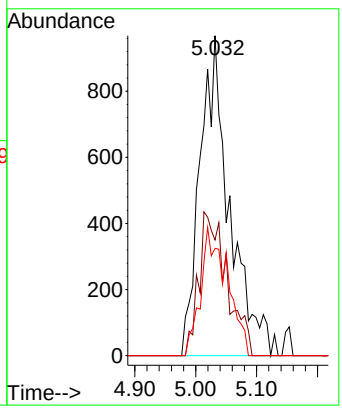
Tgt Ion: 42 Resp: 327

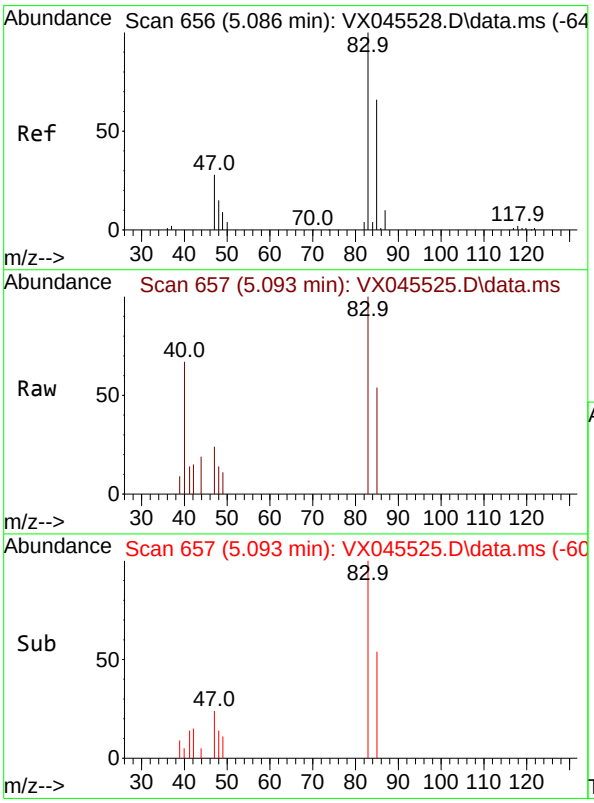
Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	36.0	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

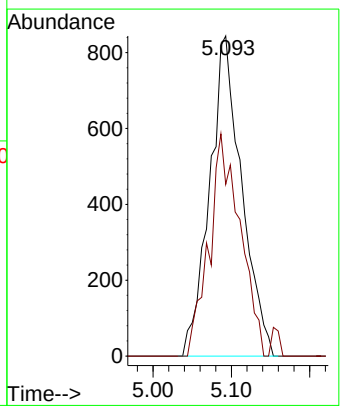


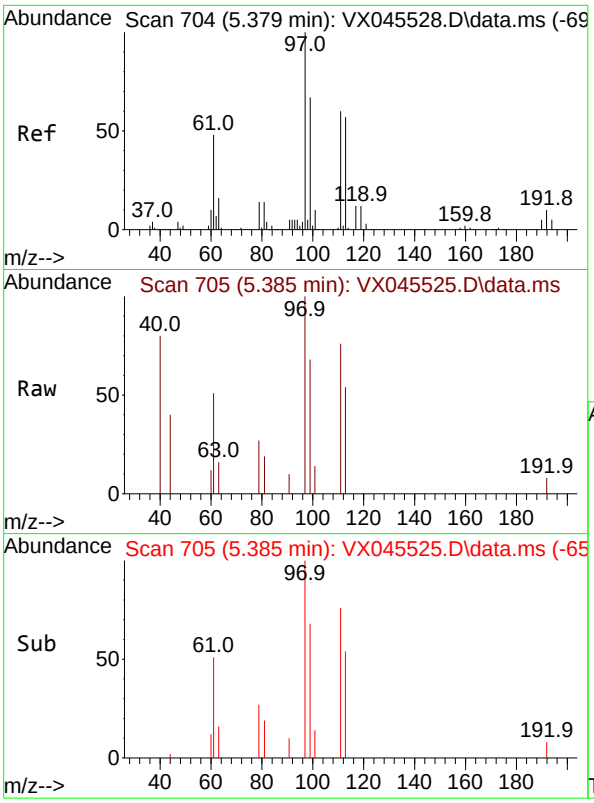


#30
Chloroform
Concen: 0.953 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 83 Resp: 2406

Ion	Ratio	Lower	Upper
83	100		
85	53.7	52.8	79.2

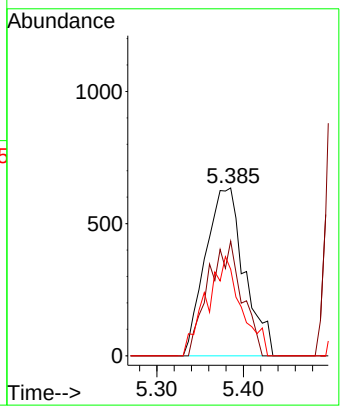




#32
1,1,1-Trichloroethane
Concen: 0.931 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 97 Resp: 198

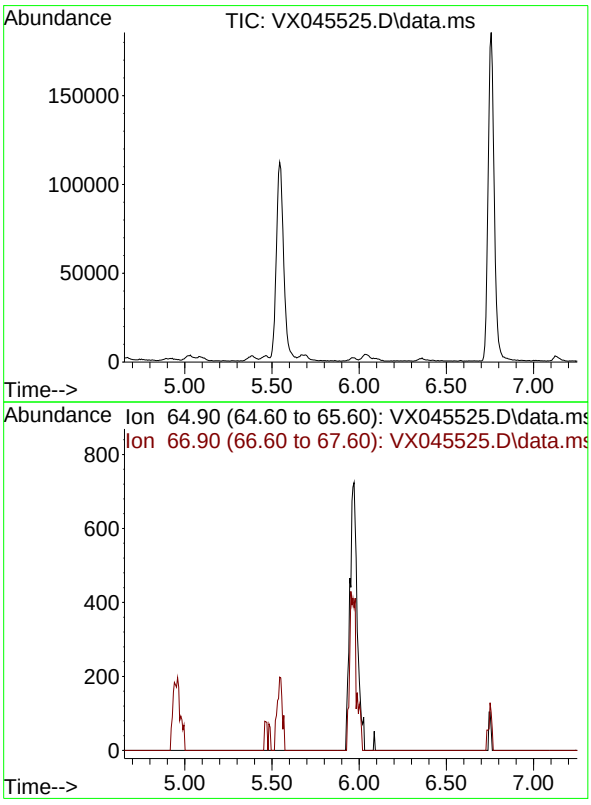
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	52.8	41.0	61.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

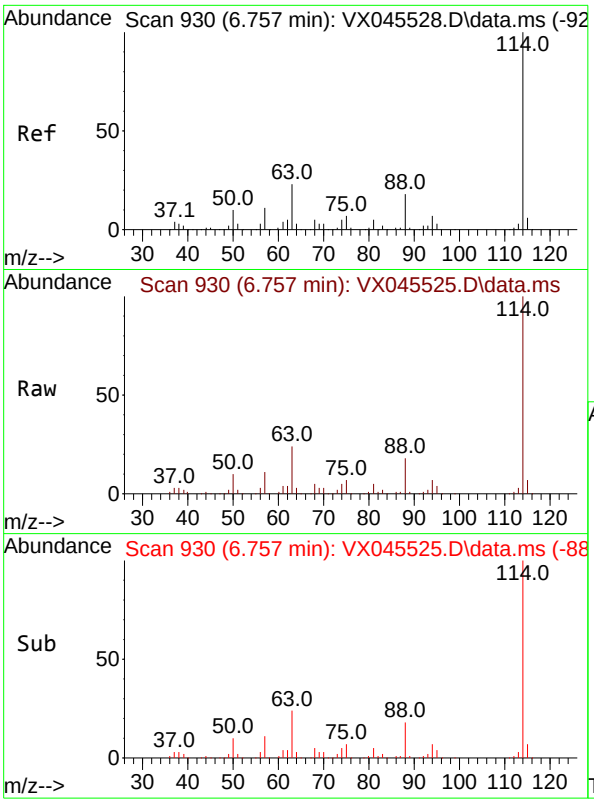


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	49.5



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

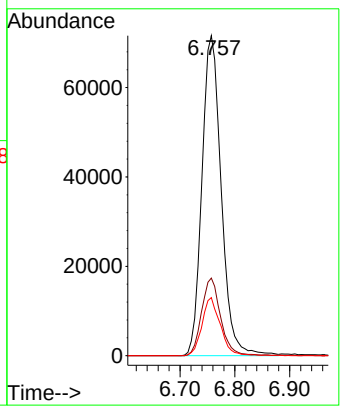
Tgt Ion:114 Resp: 17526

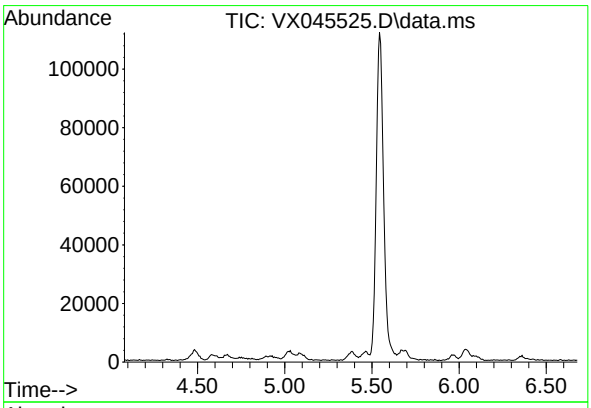
Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	46.8
88	18.1	0.0	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



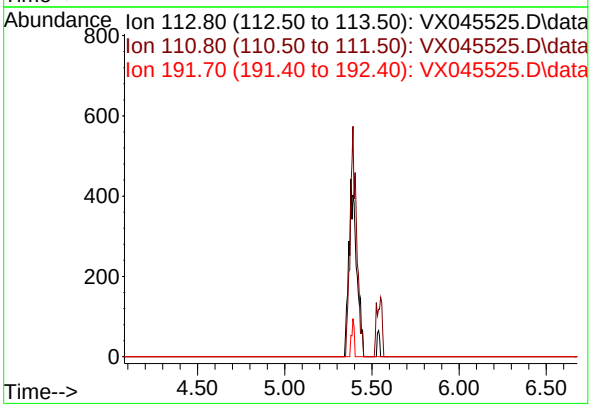


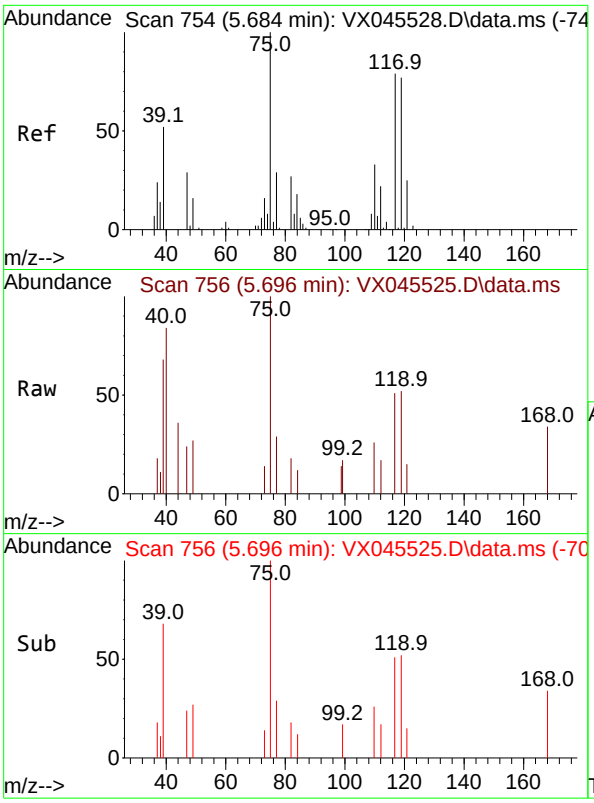
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	102.2
192	17.2

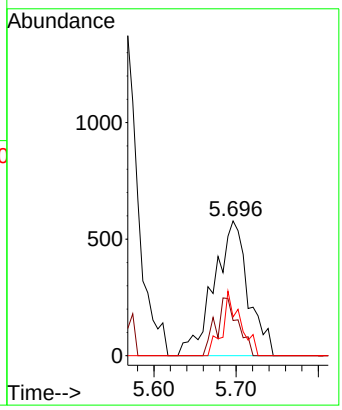




#36
1,1-Dichloropropene
Concen: 0.995 ug/l
RT: 5.696 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 167

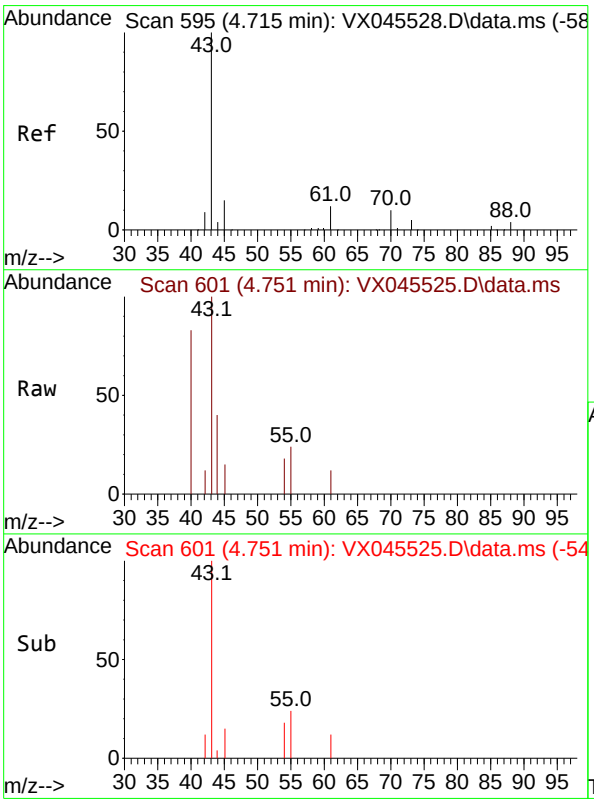
Ion	Ratio	Lower	Upper
75	100		
110	27.6	16.9	50.6
77	25.0	25.0	37.4#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

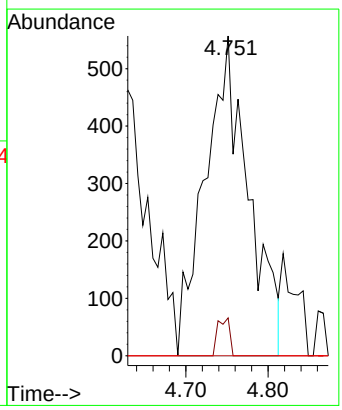
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

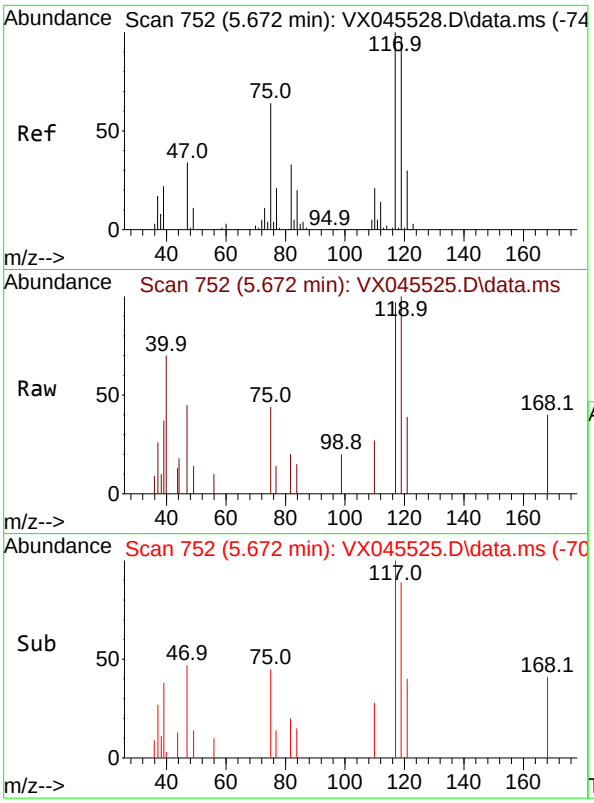


#37
Ethyl Acetate
Concen: 0.964 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.037 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 2040

Ion	Ratio	Lower	Upper
43	100		
61	3.3	9.9	14.9#
70	0.0	7.5	11.3#





#38
Carbon Tetrachloride
Concen: 0.870 ug/l
RT: 5.672 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

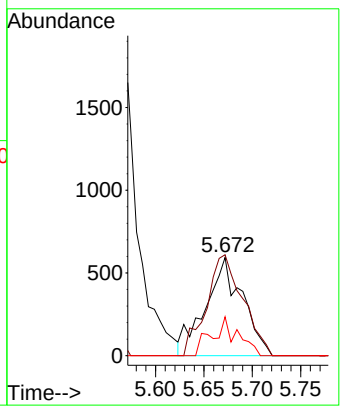
Tgt Ion:117 Resp: 157

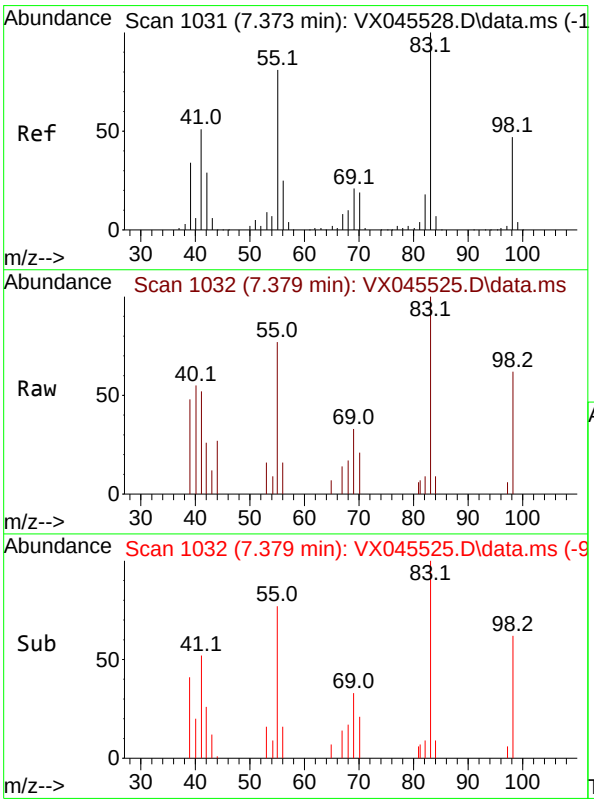
Ion	Ratio	Lower	Upper
117	100		
119	102.7	76.9	115.3
121	39.6	24.2	36.2#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

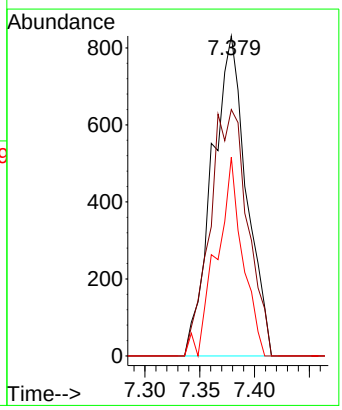


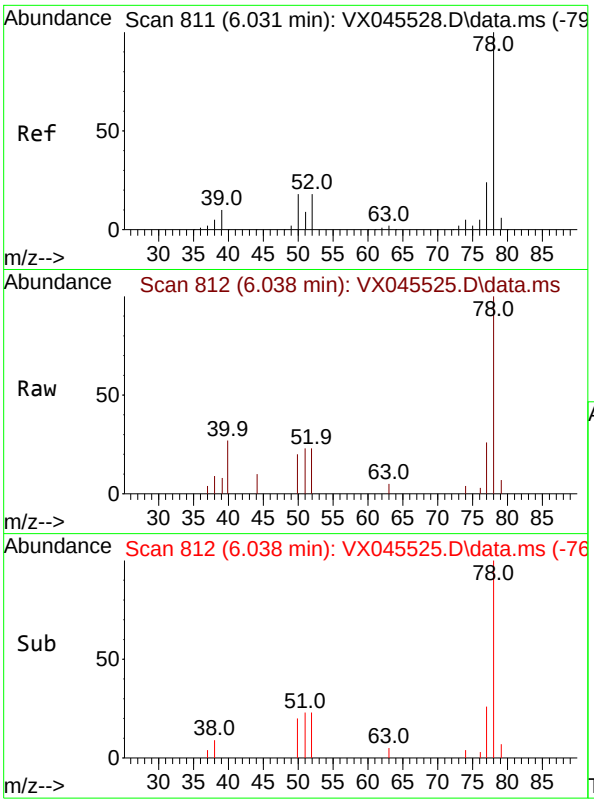


#39
Methylcyclohexane
Concen: 0.883 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 83 Resp: 1818

Ion	Ratio	Lower	Upper
83	100		
55	77.0	64.9	97.3
98	62.1	37.4	56.0#

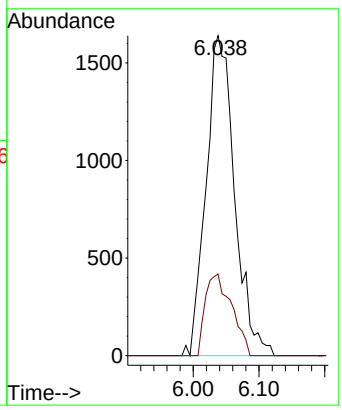




#40
Benzene
Concen: 0.967 ug/l
RT: 6.038 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 78 Resp: 495

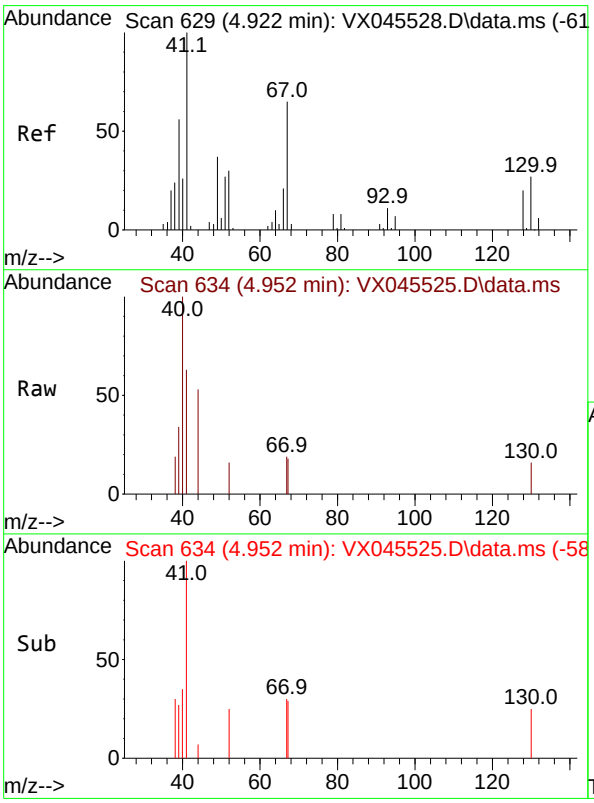
Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.0	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

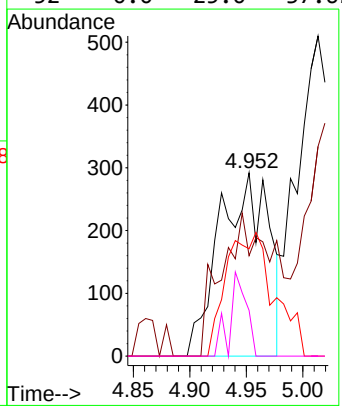
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

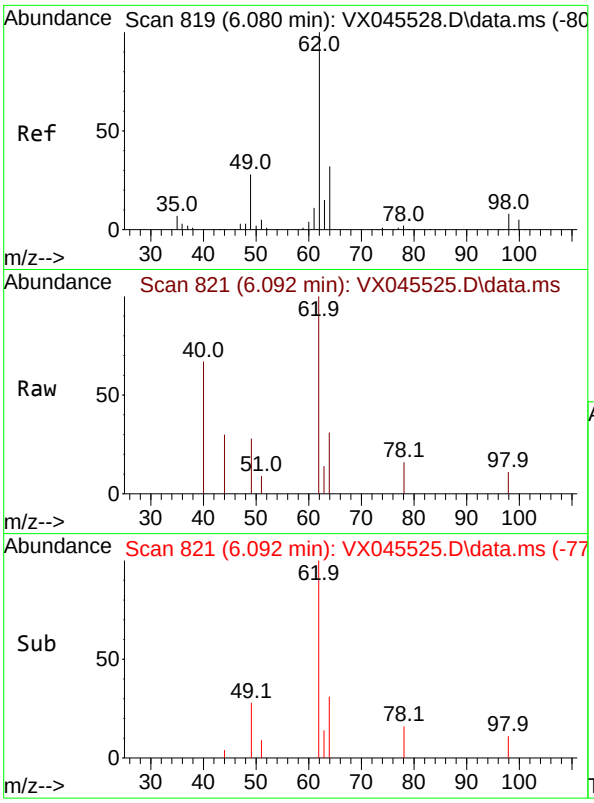


#41
Methacrylonitrile
Concen: 0.784 ug/l m
RT: 4.952 min Scan# 634
Delta R.T. 0.031 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 41 Resp: 883

Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.0	70.6#
67	0.0	53.2	79.8#
52	0.0	25.0	37.6#

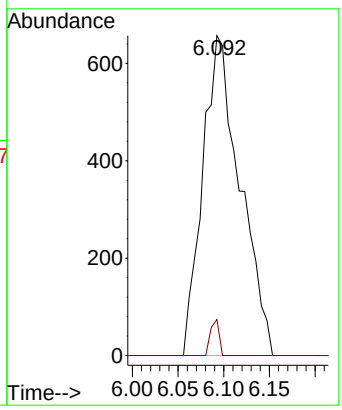




#42
1,2-Dichloroethane
Concen: 0.882 ug/l
RT: 6.092 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 62 Resp: 186

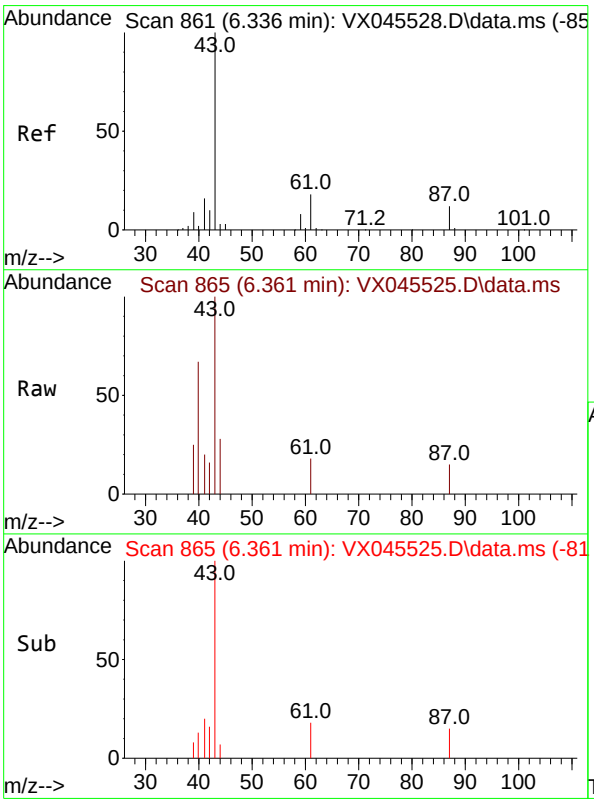
Ion	Ratio	Lower	Upper
62	100		
98	2.6	0.0	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

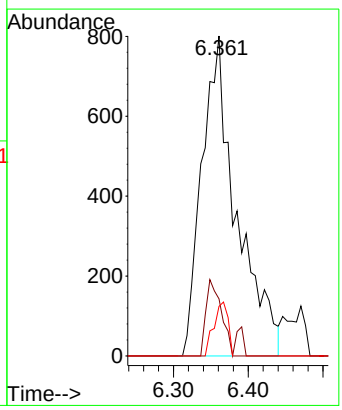
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

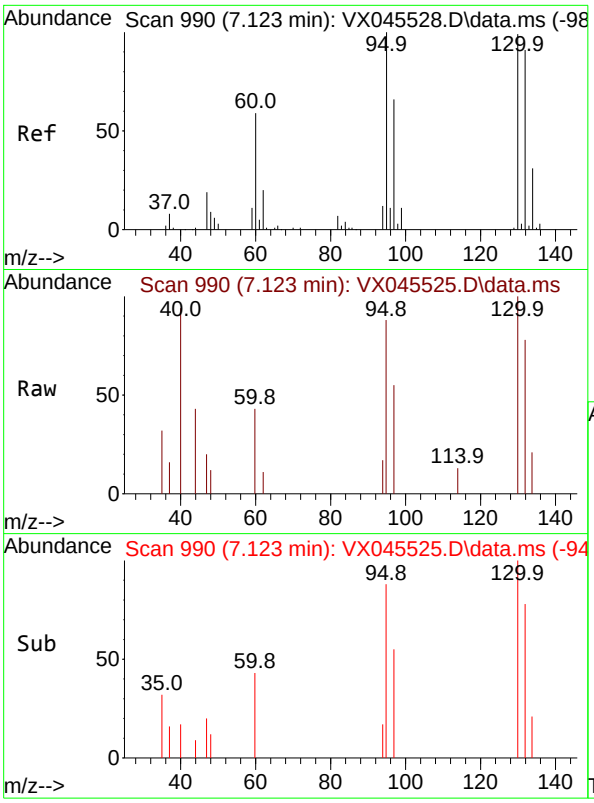


#43
Isopropyl Acetate
Concen: 0.804 ug/l
RT: 6.361 min Scan# 865
Delta R.T. 0.025 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 2578

Ion	Ratio	Lower	Upper
43	100		
61	10.6	14.1	21.1#
87	6.9	9.2	13.8#





#44
Trichloroethene
Concen: 1.004 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

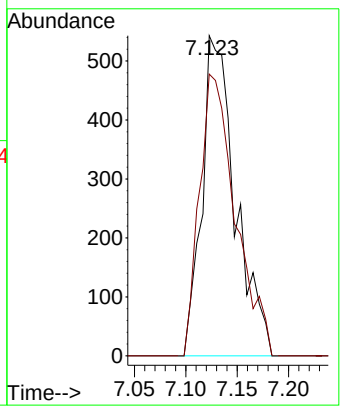
Tgt Ion:130 Resp: 122

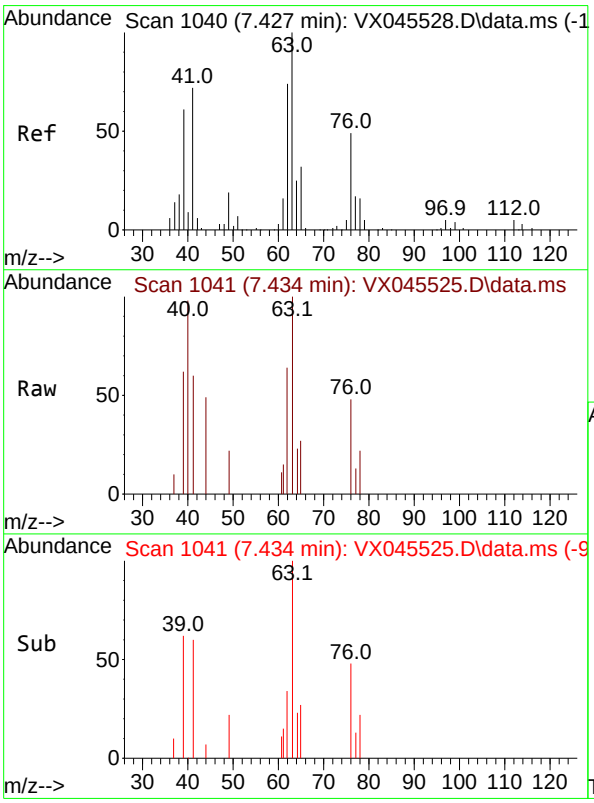
Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	202.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

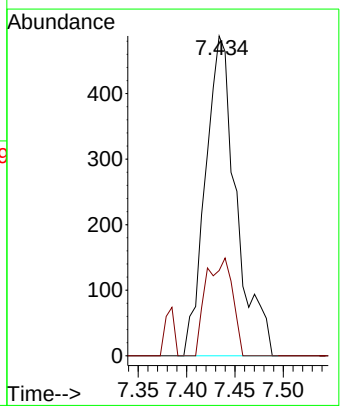


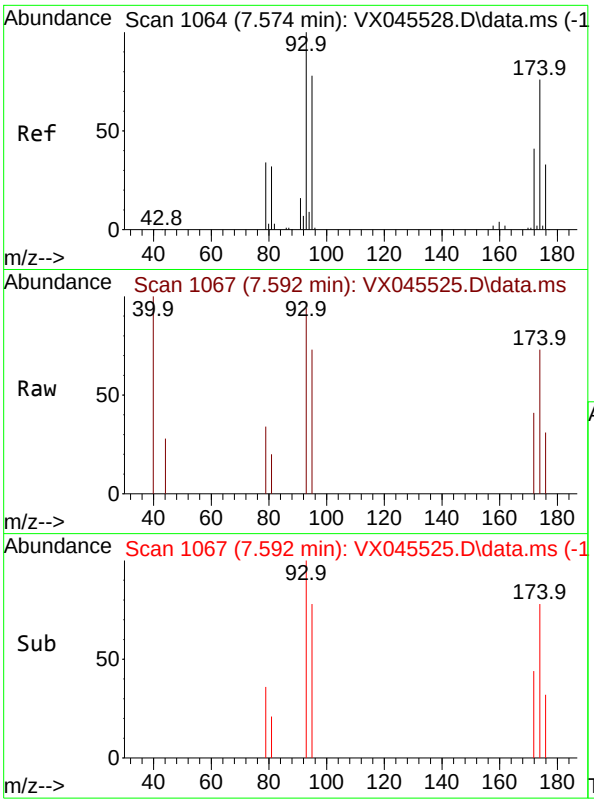


#45
1,2-Dichloropropane
Concen: 0.846 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 63 Resp: 1082

Ion	Ratio	Lower	Upper
63	100		
65	26.6	25.8	38.6

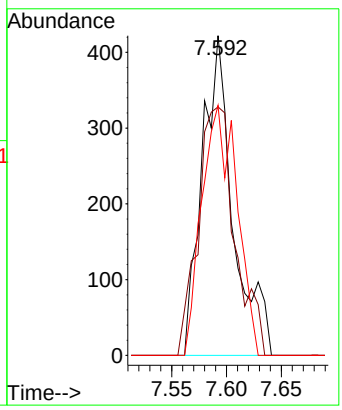




#46
Dibromomethane
Concen: 0.846 ug/l
RT: 7.592 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 93 Resp: 83

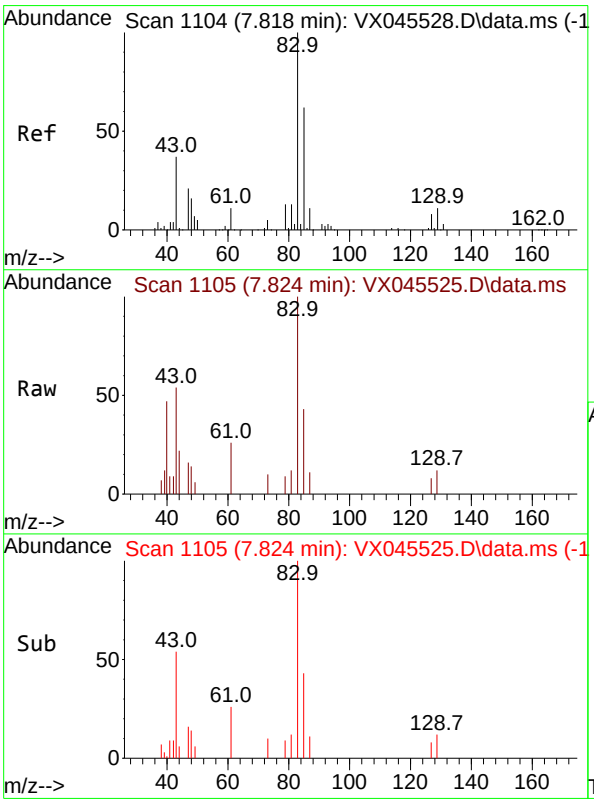
Ion	Ratio	Lower	Upper
93	100		
95	92.2	64.8	97.2
174	88.4	65.4	98.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

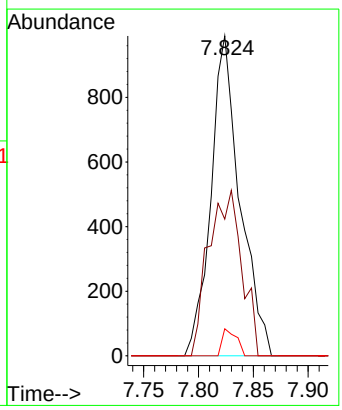
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

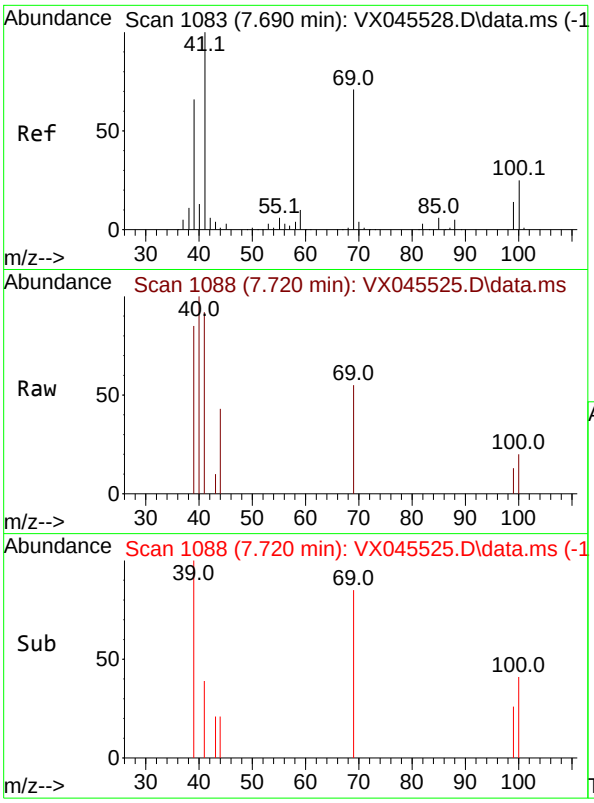


#47
Bromodichloromethane
Concen: 0.931 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 83 Resp: 1827

Ion	Ratio	Lower	Upper
83	100		
85	42.7	49.7	74.5#
127	8.5	6.1	9.1

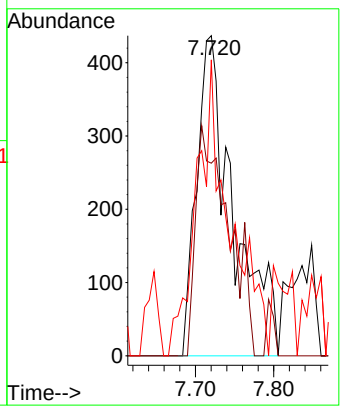




#48
Methyl methacrylate
Concen: 0.857 ug/l
RT: 7.720 min Scan# 1
Delta R.T. 0.031 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 41 Resp: 141

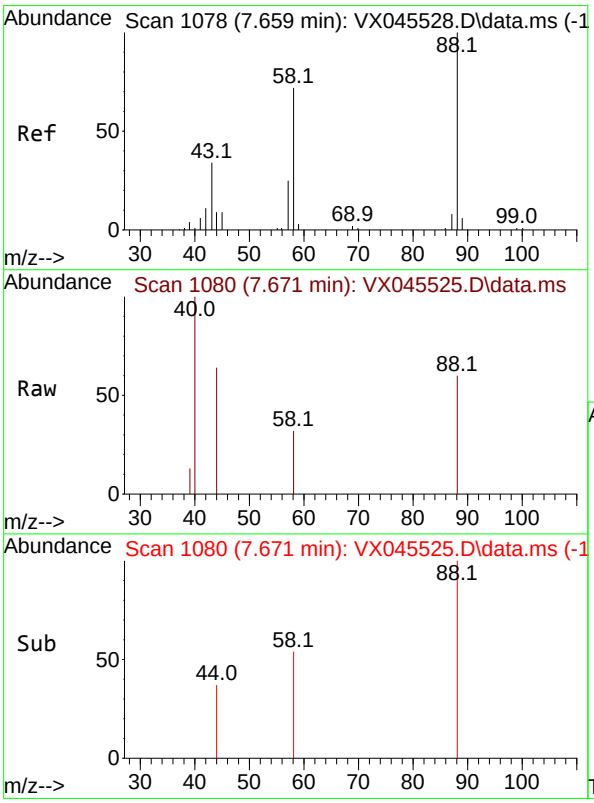
Ion	Ratio	Lower	Upper
41	100		
69	64.7	58.2	87.2
39	72.7	53.6	80.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

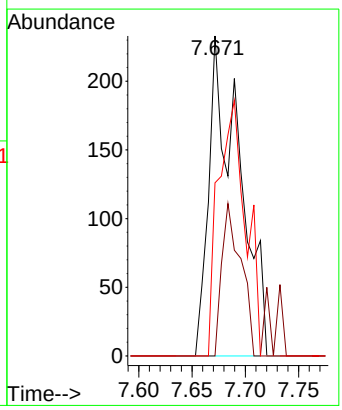
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

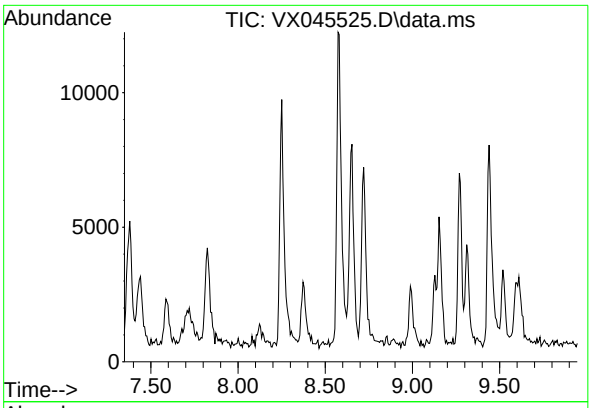


#49
1,4-Dioxane
Concen: 15.288 ug/l m
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 88 Resp: 458

Ion	Ratio	Lower	Upper
88	100		
43	30.3	32.2	48.4#
58	72.3	58.6	88.0





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

Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

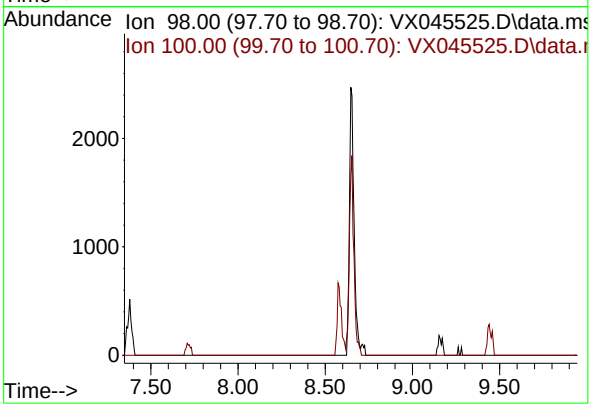
Tgt Ion: 98

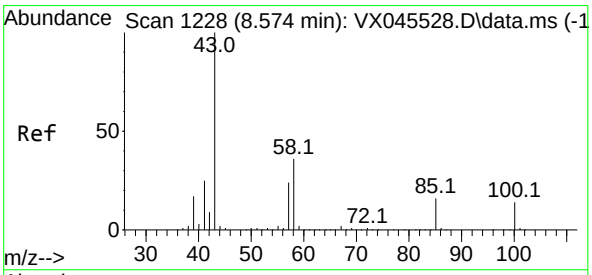
Sig	Exp Ratio
98	100
100	65.3

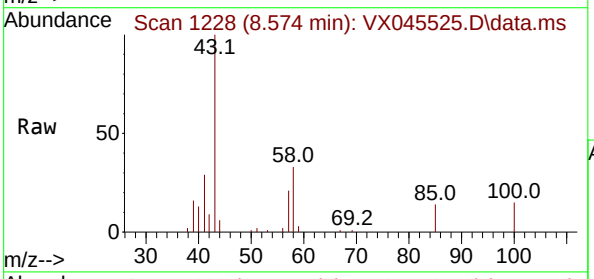
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

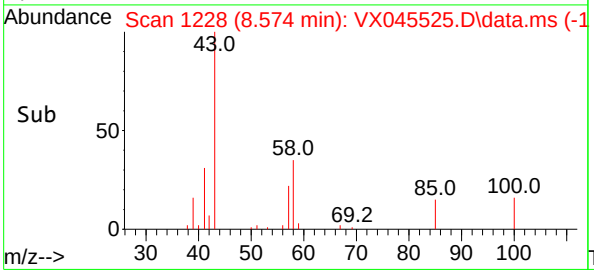
Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025





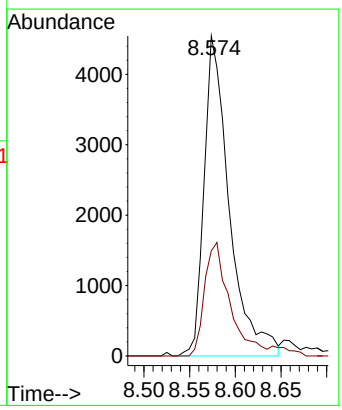


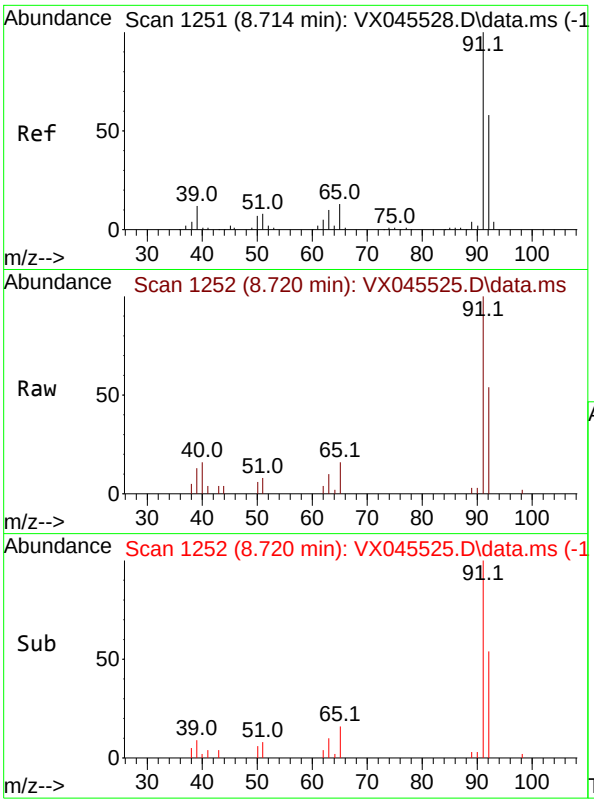


#51
4-Methyl-2-Pentanone
Concen: 4.114 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 8746

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.5	42.7

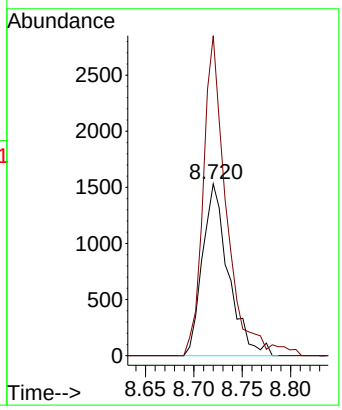




#52
Toluene
Concen: 0.923 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 92 Resp: 286

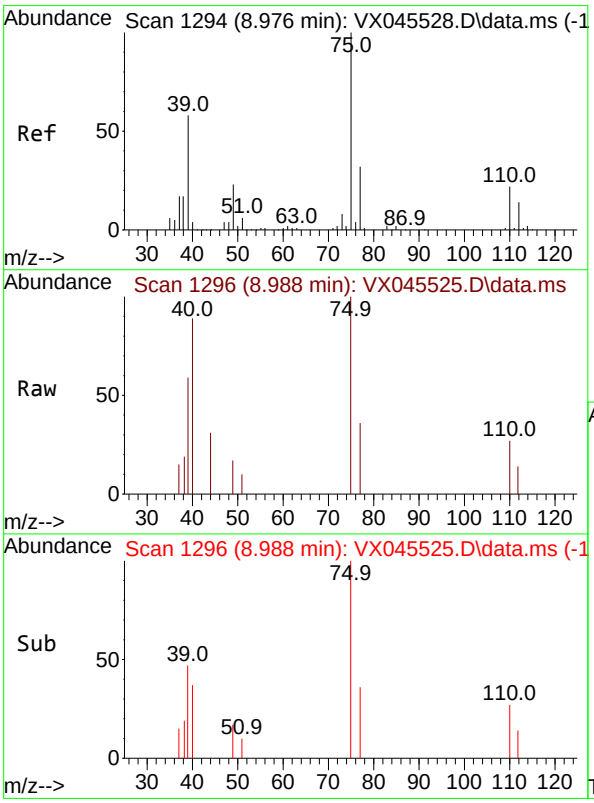
Ion	Ratio	Lower	Upper
92	100		
91	167.2	138.7	208.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

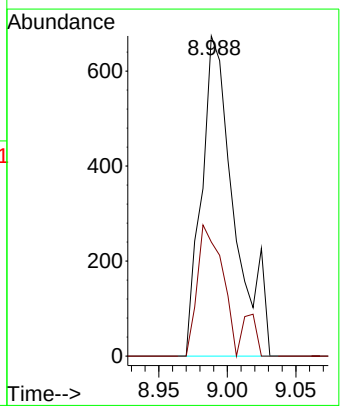
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

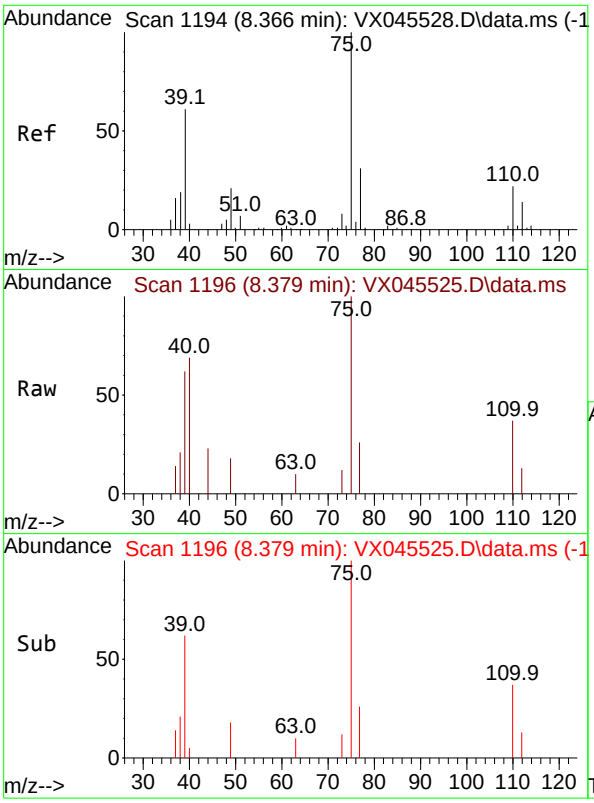


#53
t-1,3-Dichloropropene
Concen: 2.850 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 1109

Ion	Ratio	Lower	Upper
75	100		
77	35.6	25.4	38.0

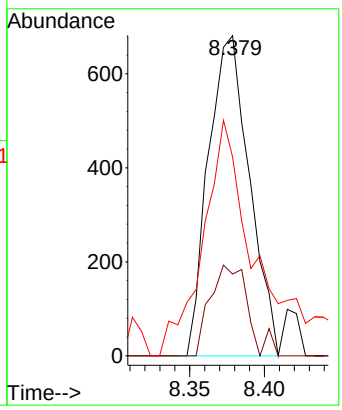




#54
cis-1,3-Dichloropropene
Concen: 0.705 ug/l
RT: 8.379 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 130

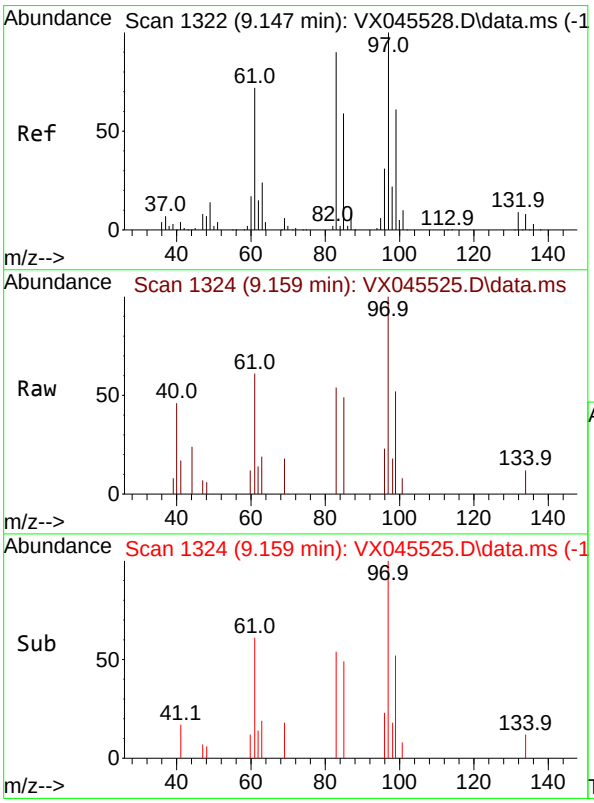
Ion	Ratio	Lower	Upper
75	100		
77	25.6	24.6	36.8
39	52.4	48.4	72.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

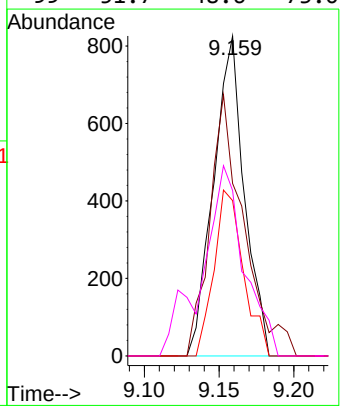
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

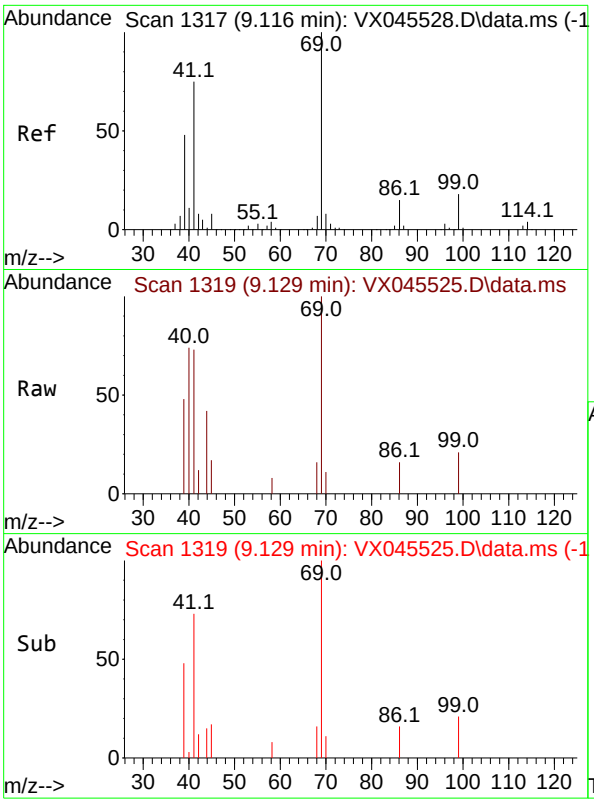


#55
1,1,2-Trichloroethane
Concen: 0.957 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 97 Resp: 1183

Ion	Ratio	Lower	Upper
97	100		
83	53.9	71.8	107.8#
85	48.5	47.0	70.6
99	51.7	48.6	73.0

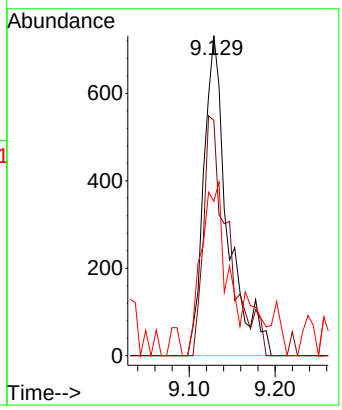




#56
Ethyl methacrylate
Concen: 0.745 ug/l m
RT: 9.129 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 69 Resp: 142

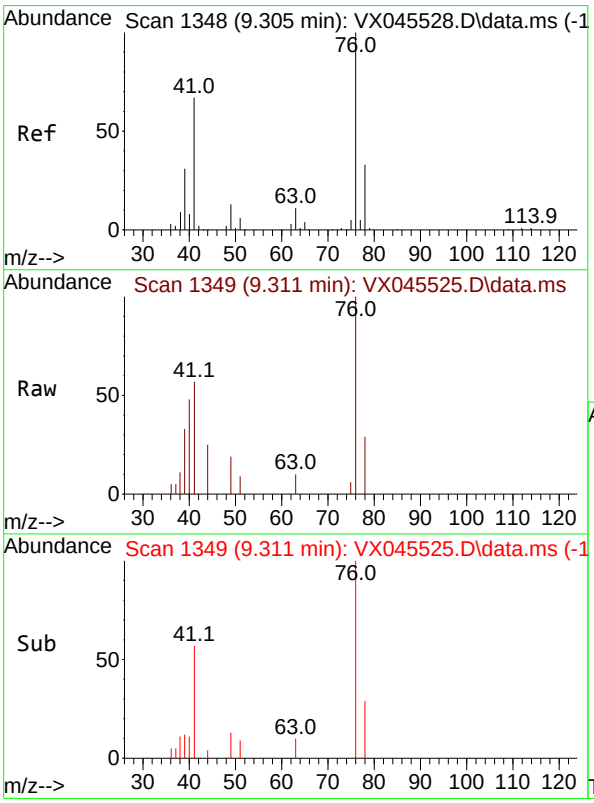
Ion	Ratio	Lower	Upper
69	100		
41	77.3	61.3	91.9
39	56.9	40.2	60.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

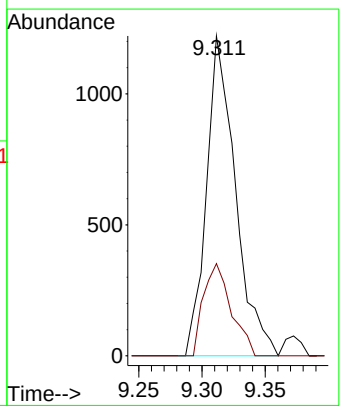
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

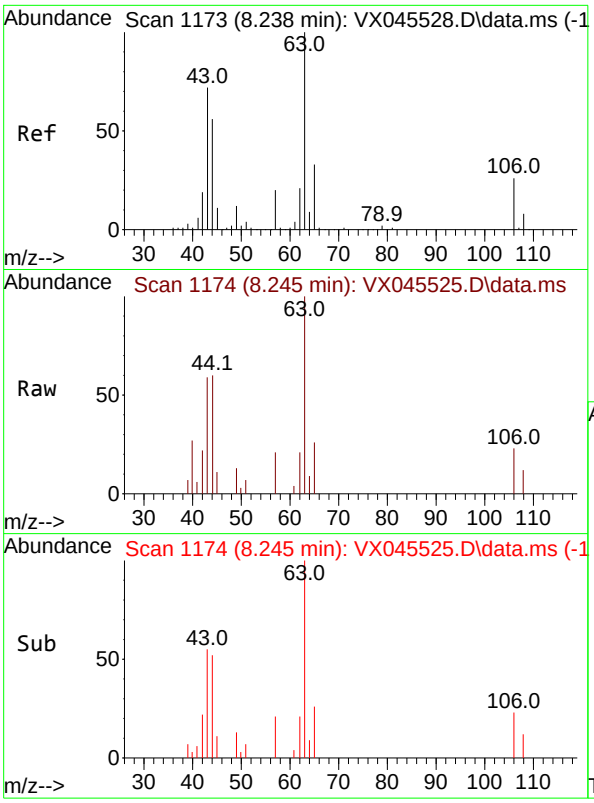


#57
1,3-Dichloropropane
Concen: 0.904 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 76 Resp: 1946

Ion	Ratio	Lower	Upper
76	100		
78	27.5	26.0	39.0

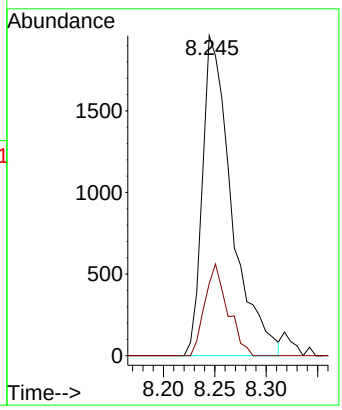




#58
2-Chloroethyl Vinyl ether
Concen: 4.008 ug/l
RT: 8.245 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 63 Resp: 388

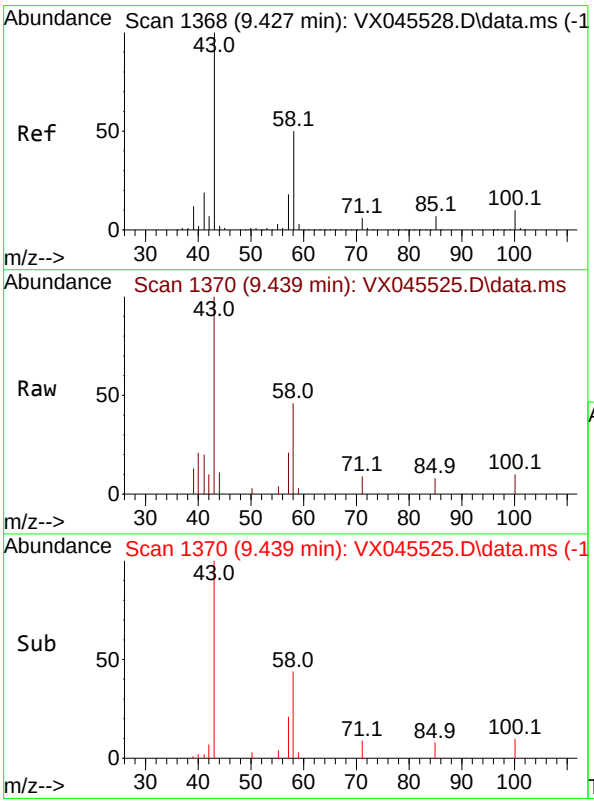
Ion	Ratio	Lower	Upper
63	100		
106	22.6	21.0	31.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

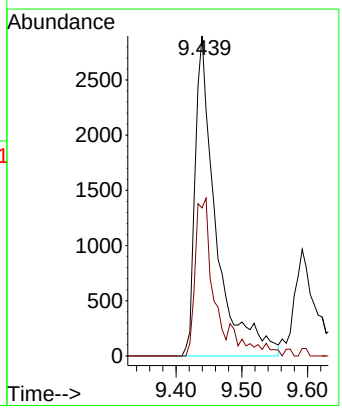
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

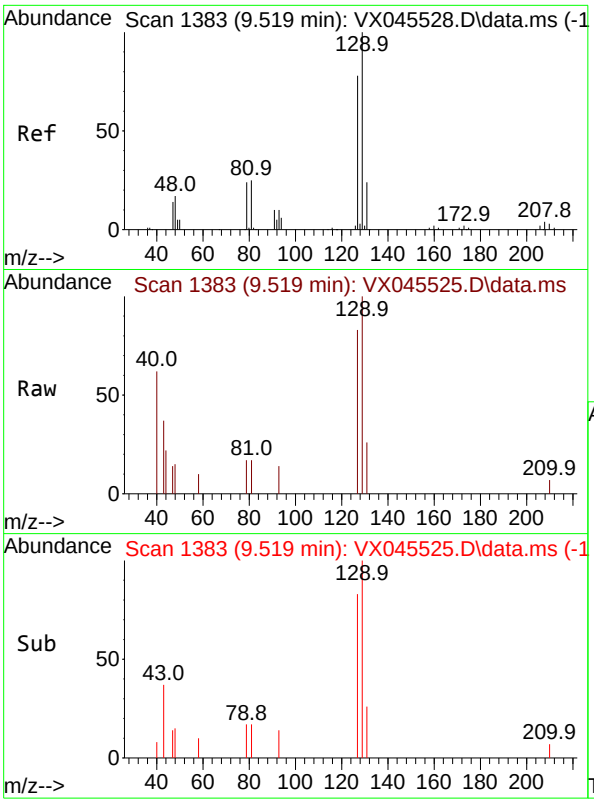


#59
2-Hexanone
Concen: 4.040 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 6360

Ion	Ratio	Lower	Upper
43	100		
58	39.5	24.9	74.6

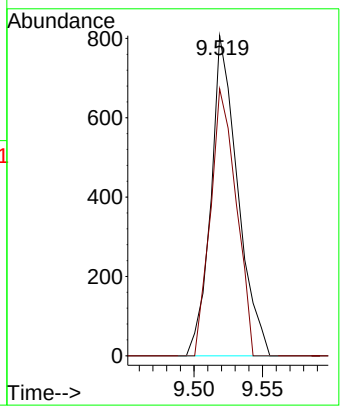




#60
Dibromochloromethane
Concen: 0.814 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:129 Resp: 109

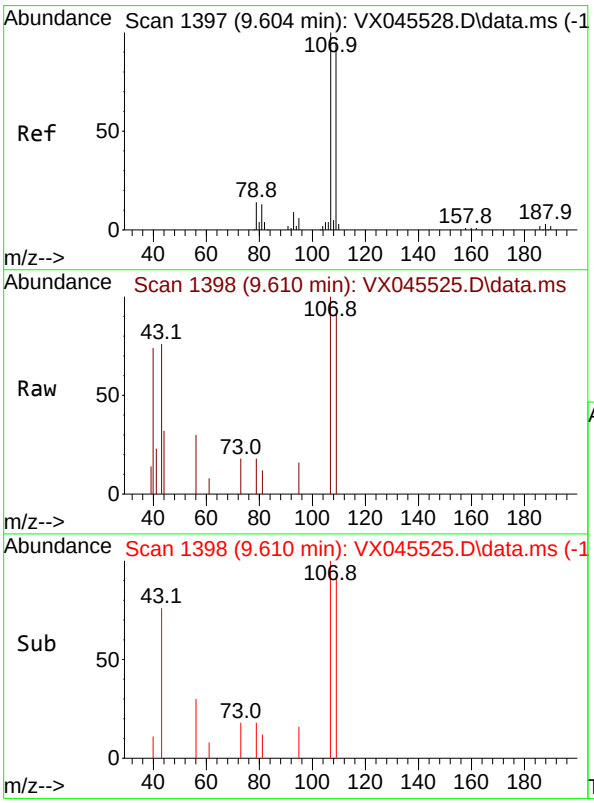
Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.4	118.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

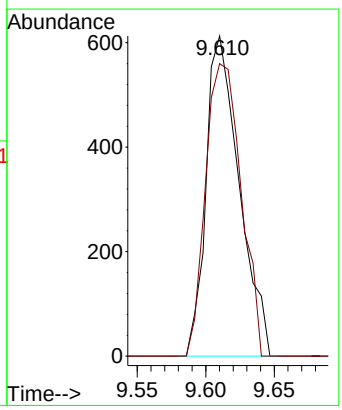
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

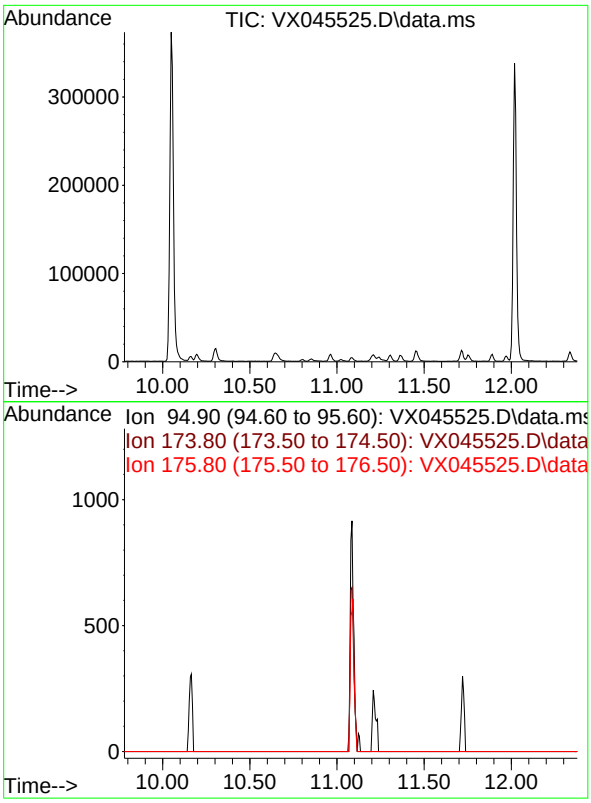


#61
1,2-Dibromoethane
Concen: 0.825 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:107 Resp: 1032

Ion	Ratio	Lower	Upper
107	100		
109	98.1	75.7	113.5





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

Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

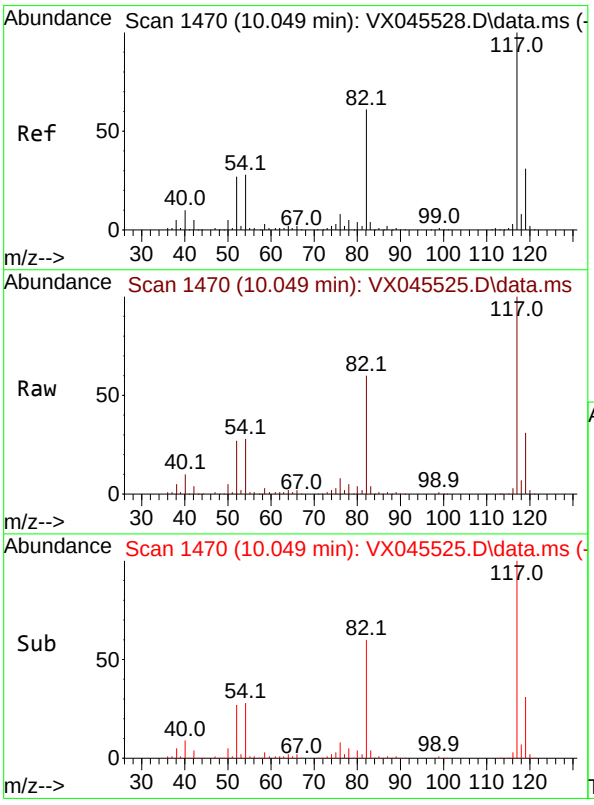
Tgt Ion: 95

Sig	Exp Ratio
95	100
174	67.9
176	65.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

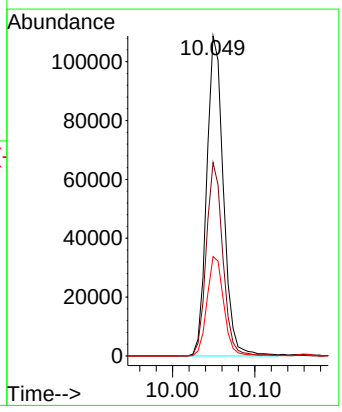
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

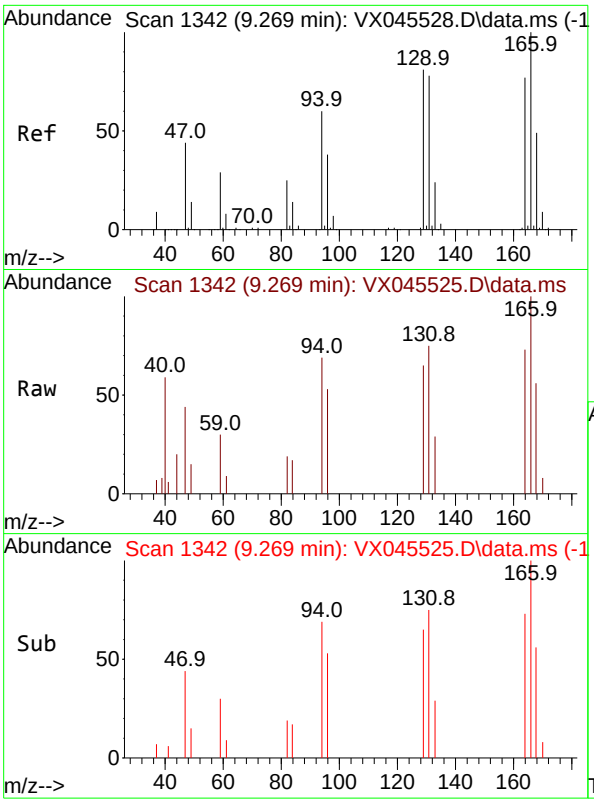


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:117 Resp: 153312

Ion	Ratio	Lower	Upper
117	100		
82	60.5	49.2	73.8
119	31.0	25.1	37.7

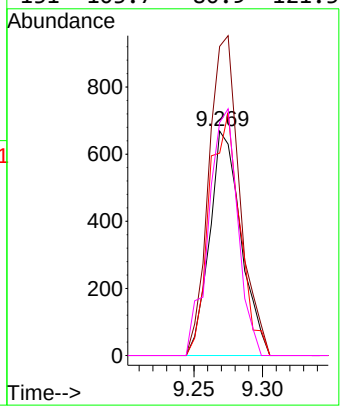




#64
Tetrachloroethene
Concen: 0.981 ug/l
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:164 Resp: 106

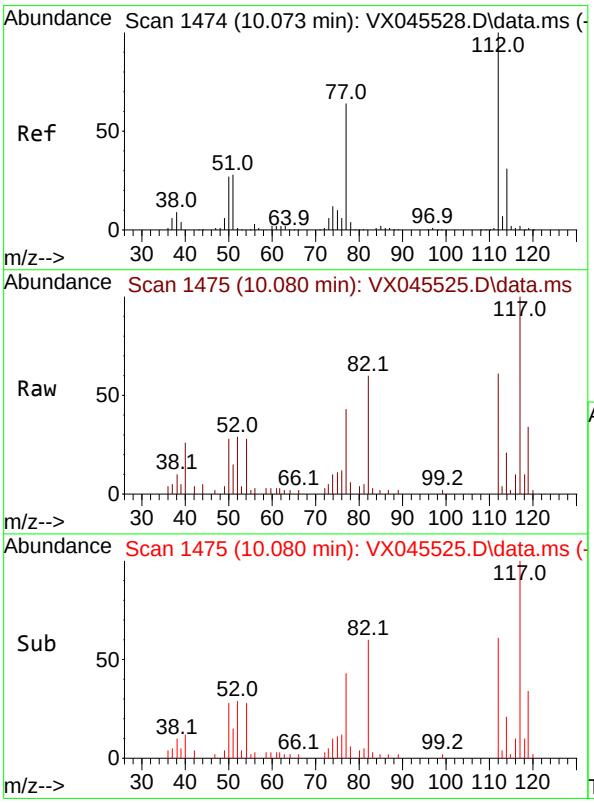
Ion	Ratio	Lower	Upper
164	100		
166	137.7	103.8	155.8
129	90.1	84.3	126.5
131	103.7	80.9	121.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

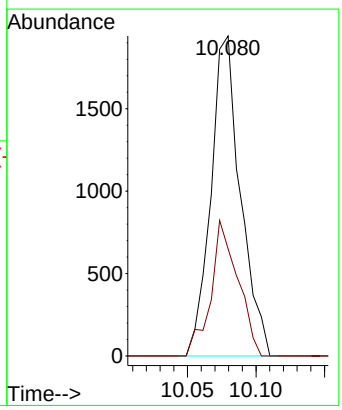
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

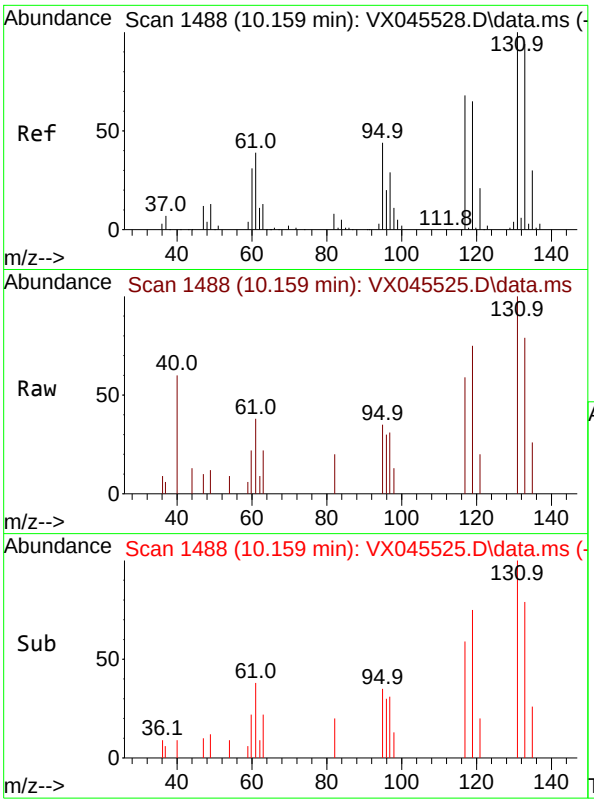


#65
Chlorobenzene
Concen: 0.890 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:112 Resp: 2916

Ion	Ratio	Lower	Upper
112	100		
114	33.5	24.7	37.1

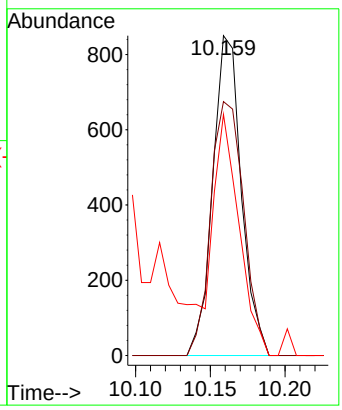




#66
1,1,1,2-Tetrachloroethane
Concen: 0.992 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:131 Resp: 112

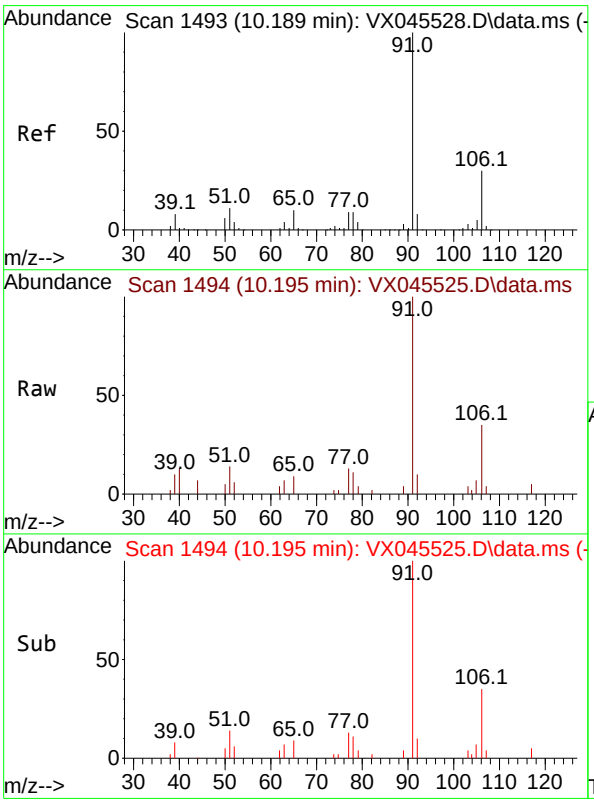
Ion	Ratio	Lower	Upper
131	100		
133	91.6	47.5	142.5
119	0.0	32.9	98.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

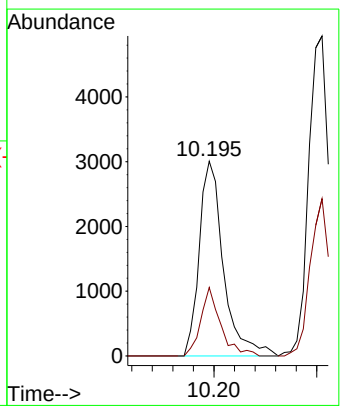
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

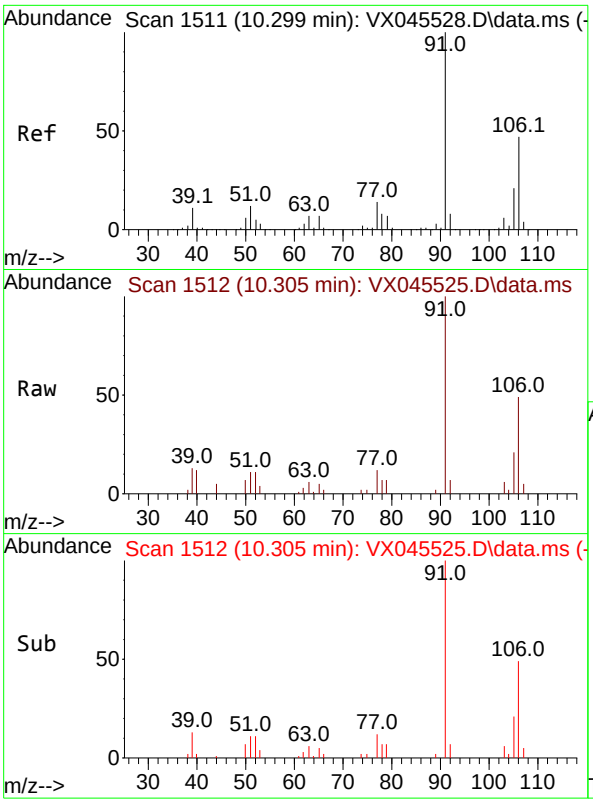


#67
Ethyl Benzene
Concen: 0.840 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 4930

Ion	Ratio	Lower	Upper
91	100		
106	35.2	23.7	35.5

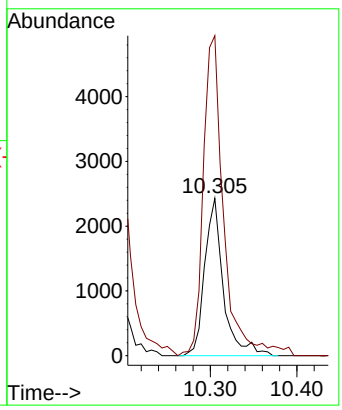




#68
m/p-Xylenes
Concen: 1.708 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:106 Resp: 364

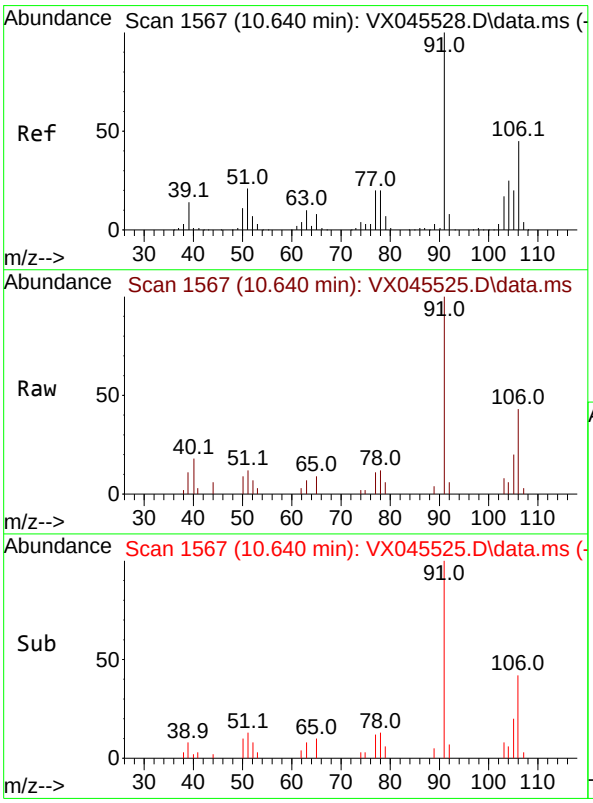
Ion	Ratio	Lower	Upper
106	100		
91	221.2	172.6	258.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

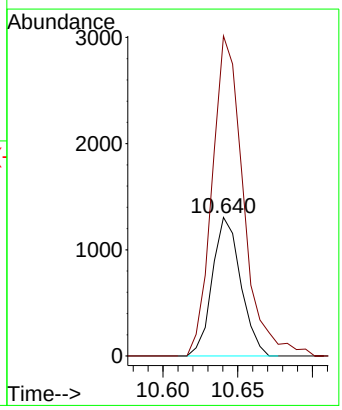
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

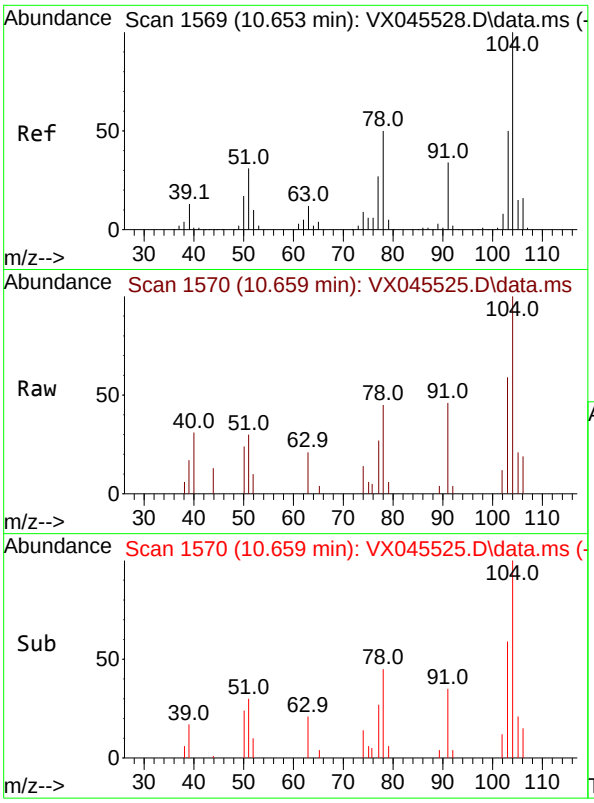


#69
o-Xylene
Concen: 0.820 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:106 Resp: 1724

Ion	Ratio	Lower	Upper
106	100		
91	254.4	113.6	340.6

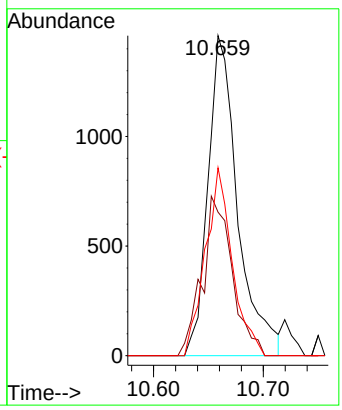




#70
Styrene
Concen: 0.793 ug/l
RT: 10.659 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:104 Resp: 275

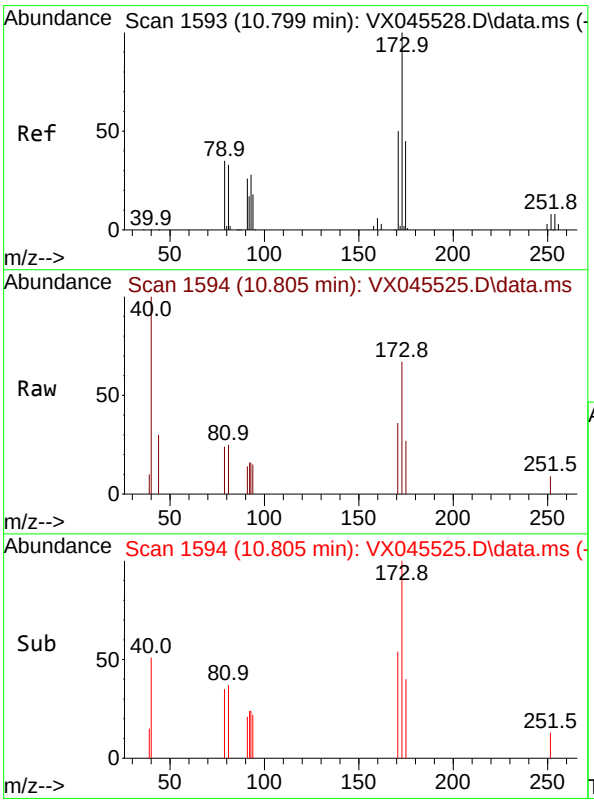
Ion	Ratio	Lower	Upper
104	100		
78	50.1	45.4	68.2
103	53.2	43.8	65.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

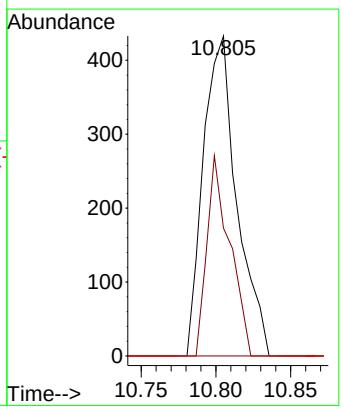
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

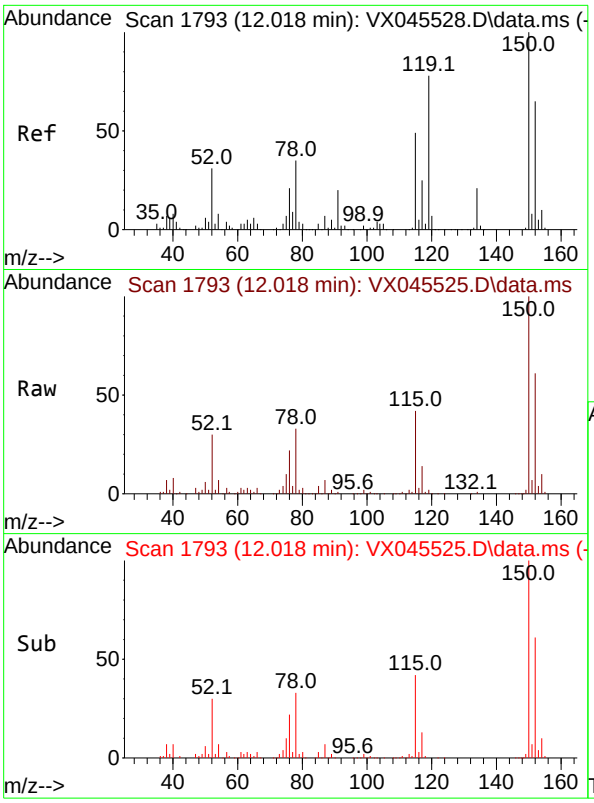


#71
Bromoform
Concen: 0.795 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:173 Resp: 675

Ion	Ratio	Lower	Upper
173	100		
175	42.7	23.4	70.2
254	0.0	0.0	0.0

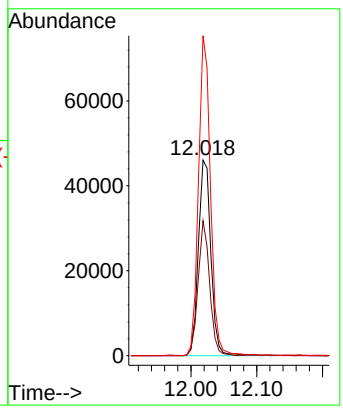




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:152 Resp: 6111

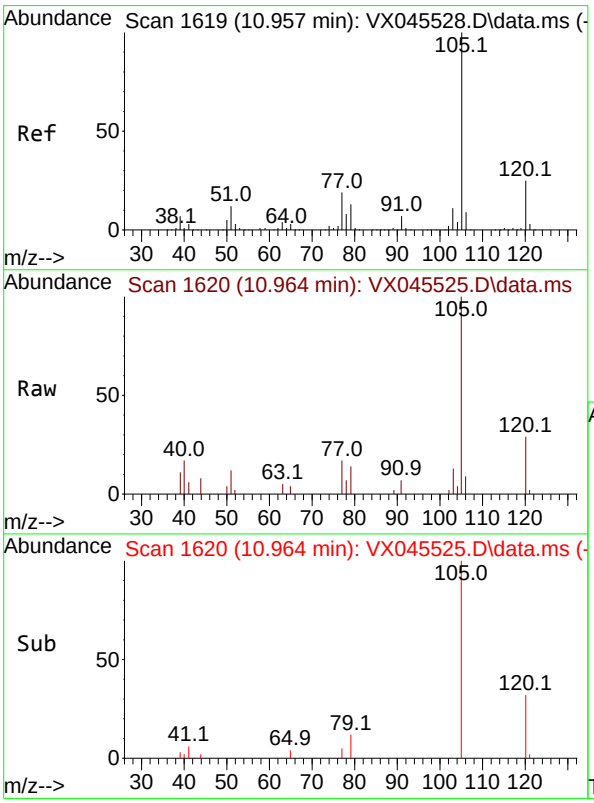
Ion	Ratio	Lower	Upper
152	100		
115	63.5	46.9	140.7
150	155.9	0.0	349.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

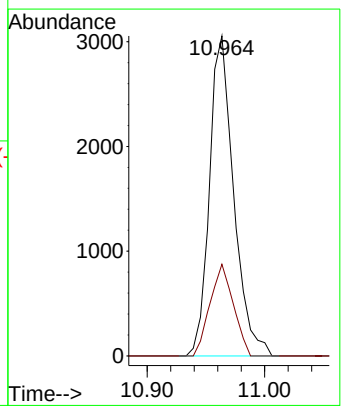
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

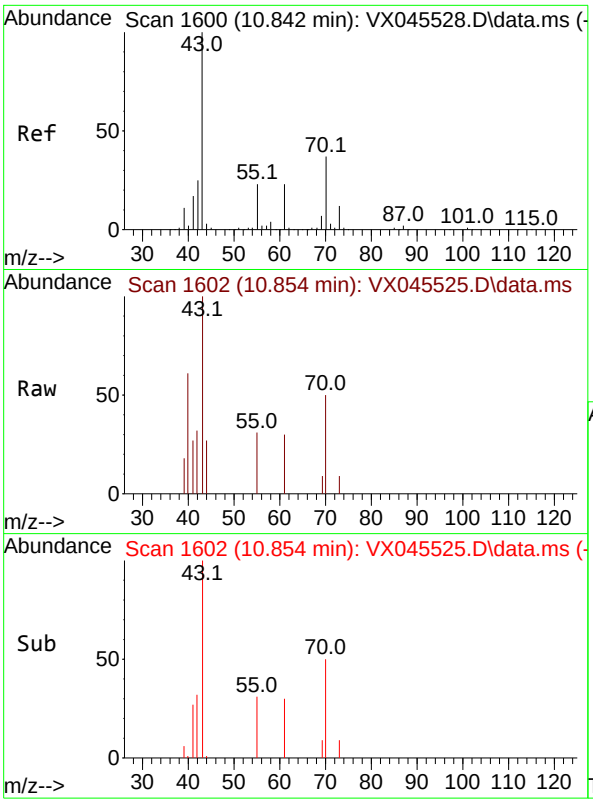


#73
Isopropylbenzene
Concen: 0.894 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:105 Resp: 4377

Ion	Ratio	Lower	Upper
105	100		
120	27.6	12.7	38.0

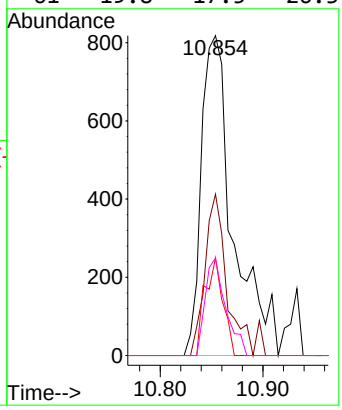




#74
N-amyl acetate
Concen: 0.752 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 176

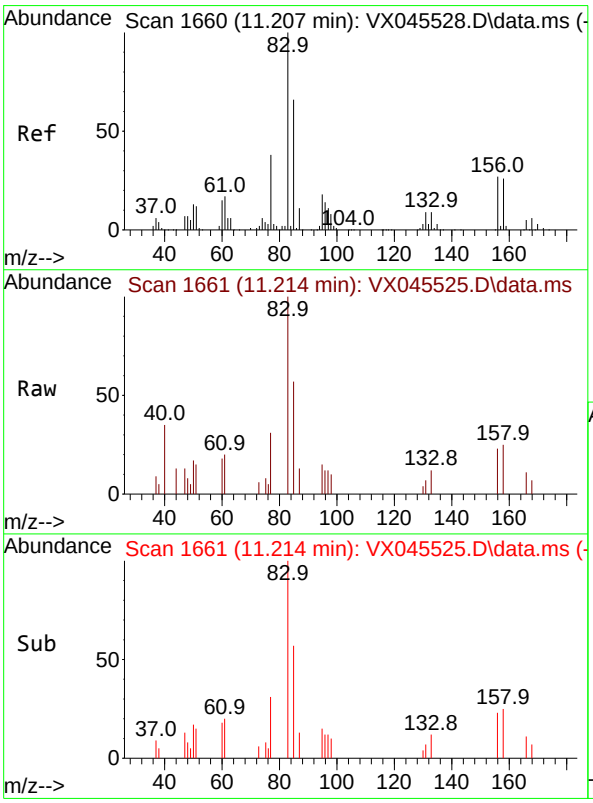
Ion	Ratio	Lower	Upper
43	100		
70	34.4	30.1	45.1
55	17.3	18.3	27.5
61	19.8	17.5	26.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

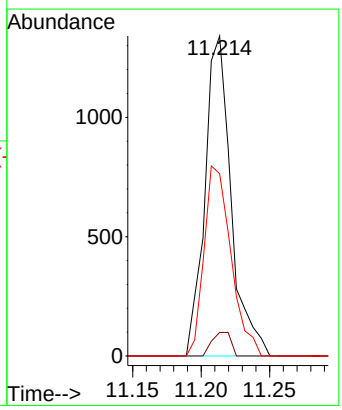
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

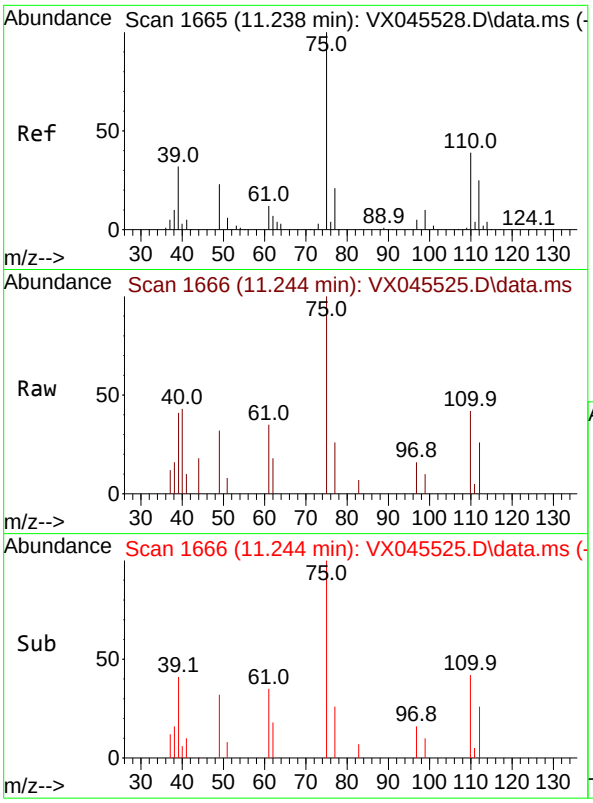


#75
1,1,2,2-Tetrachloroethane
Concen: 1.036 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 83 Resp: 1781

Ion	Ratio	Lower	Upper
83	100		
131	5.3	4.7	14.1
85	61.1	32.4	97.2

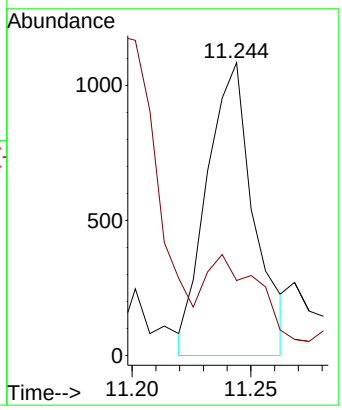




#76
1,2,3-Trichloropropane
Concen: 1.002 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 149

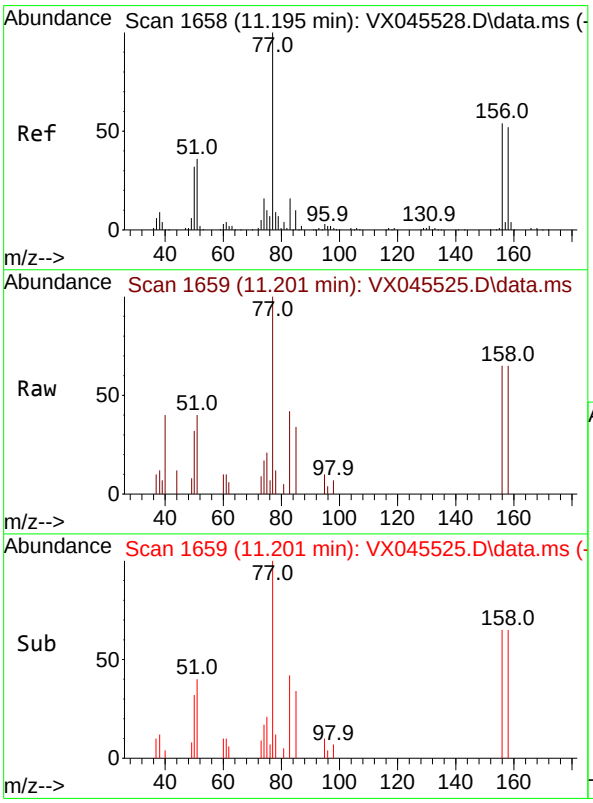
Ion	Ratio	Lower	Upper
75	100		
77	42.1	20.0	59.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

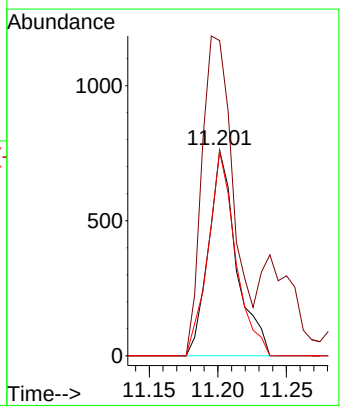
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

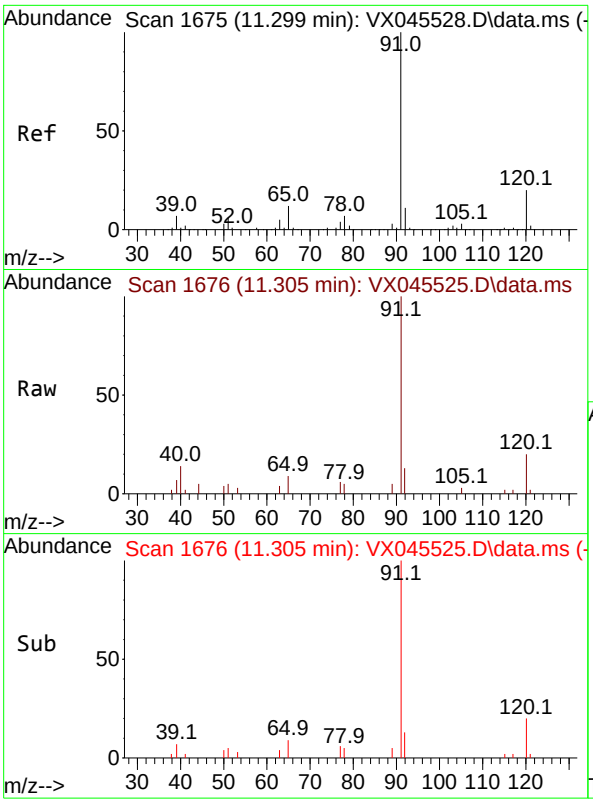


#77
Bromobenzene
Concen: 0.948 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:156 Resp: 1072

Ion	Ratio	Lower	Upper
156	100		
77	176.5	92.6	277.8
158	98.4	48.1	144.4

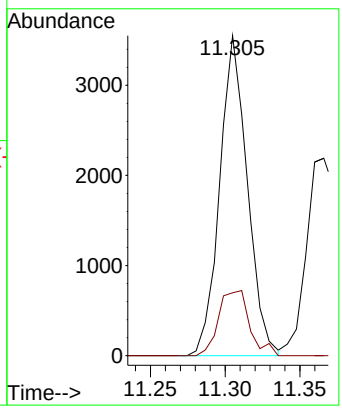




#78
n-propylbenzene
Concen: 0.809 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 456

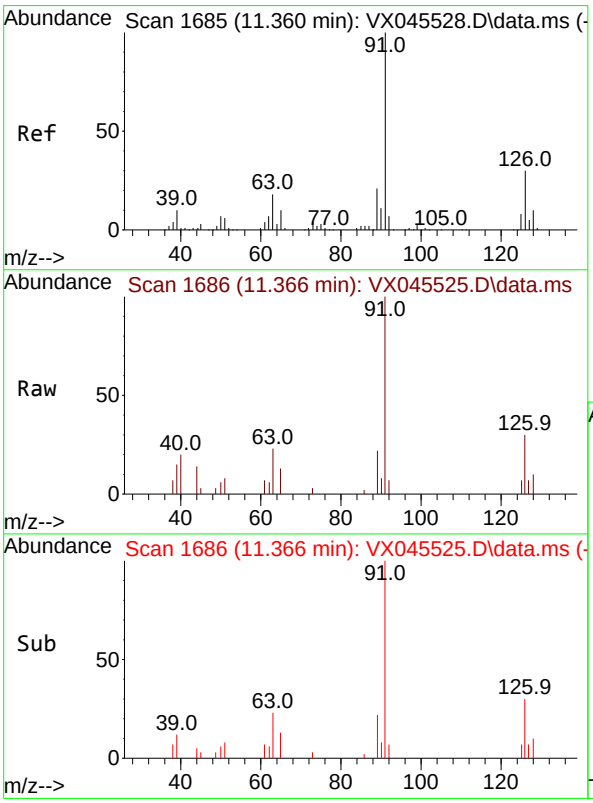
Ion	Ratio	Lower	Upper
91	100		
120	22.8	10.8	32.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

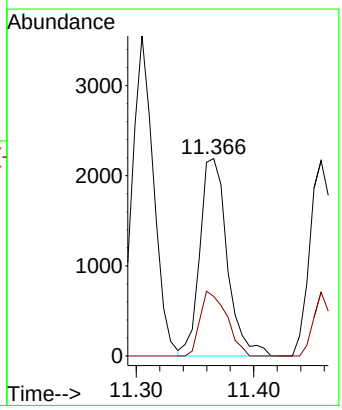
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

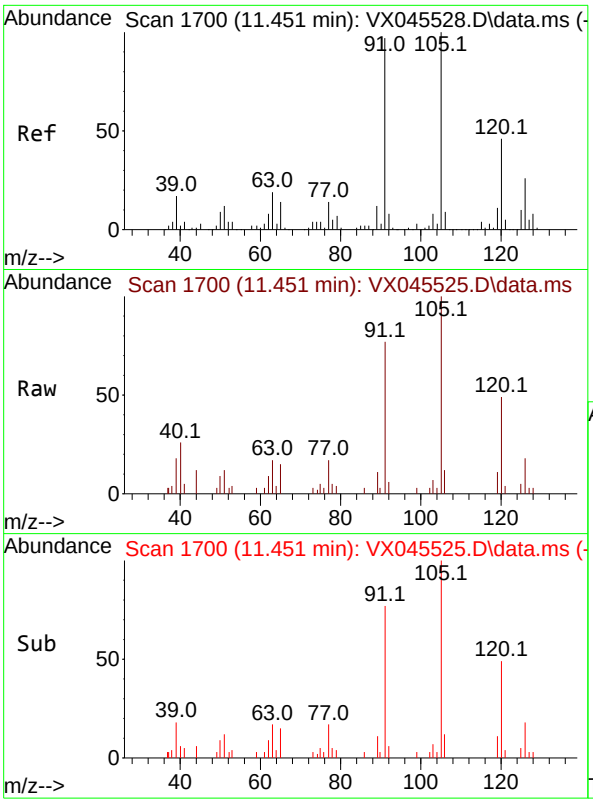


#79
2-Chlorotoluene
Concen: 0.981 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 3537

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.8	47.4

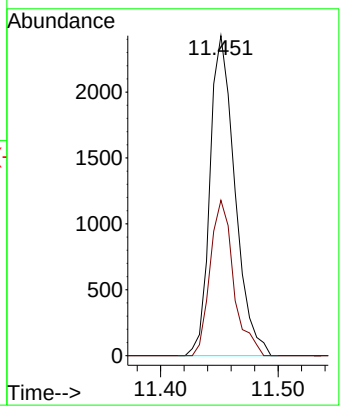




#80
1,3,5-Trimethylbenzene
Concen: 0.885 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:105 Resp: 358

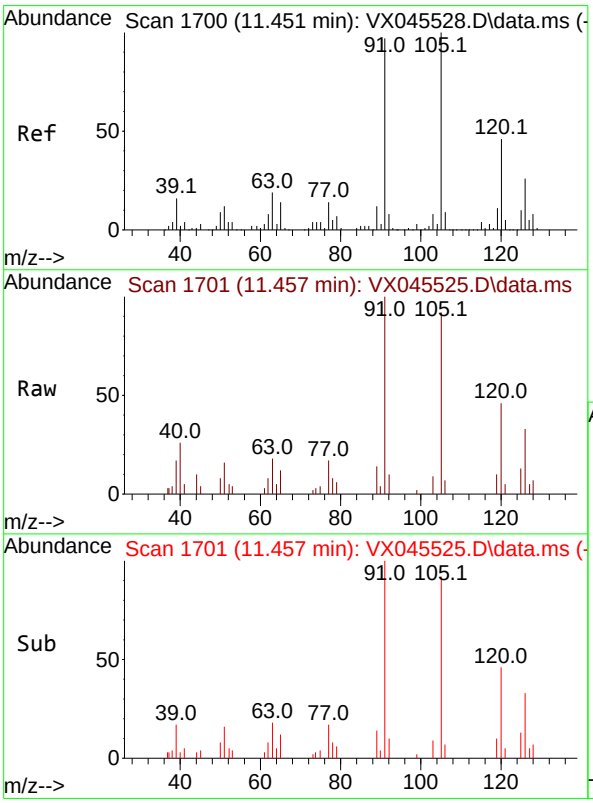
Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.0	69.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

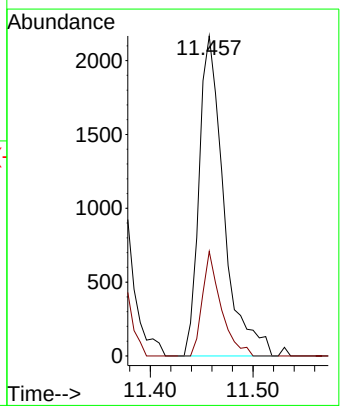
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

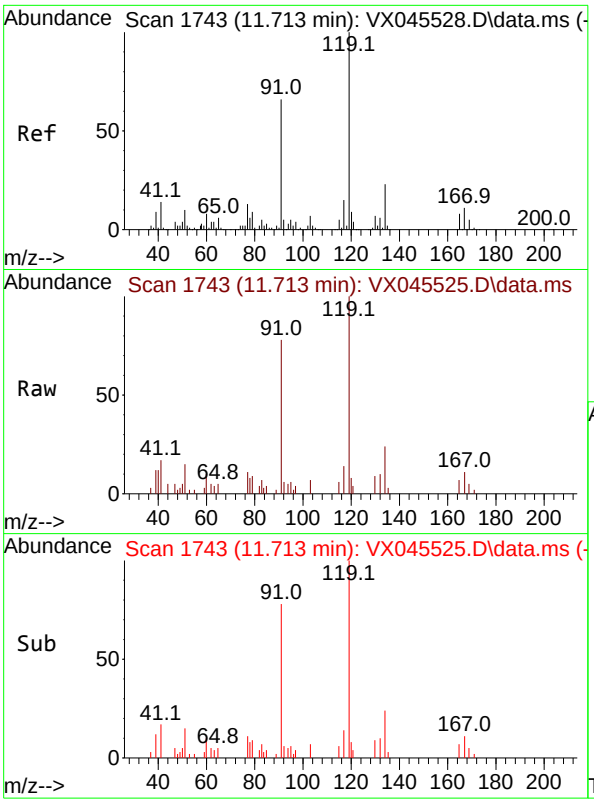


#82
4-Chlorotoluene
Concen: 0.900 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 3619

Ion	Ratio	Lower	Upper
91	100		
126	24.7	13.3	39.9

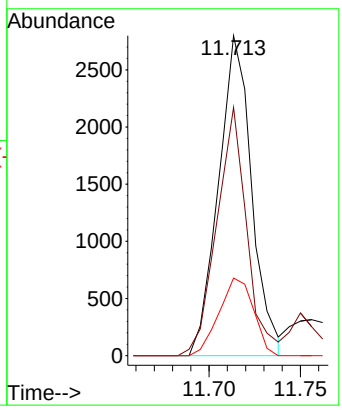




#83
tert-Butylbenzene
Concen: 0.883 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:119 Resp: 353

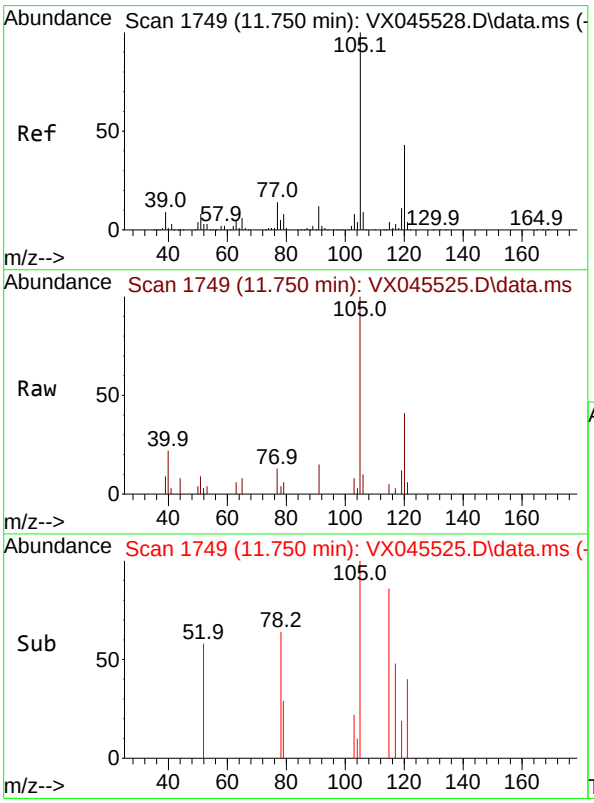
Ion	Ratio	Lower	Upper
119	100		
91	70.3	32.4	97.2
134	25.2	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

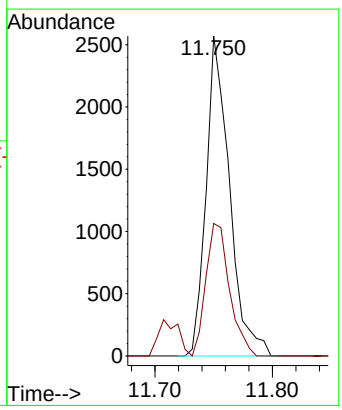
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

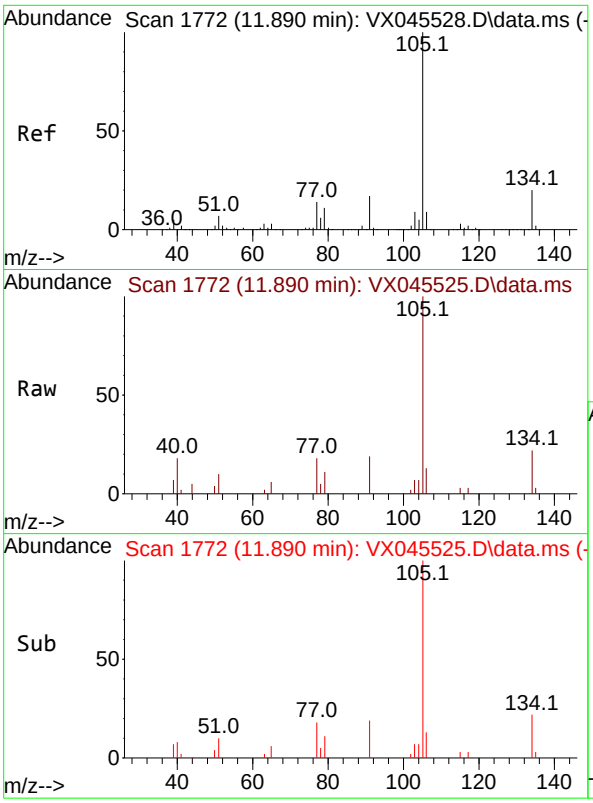


#84
1,2,4-Trimethylbenzene
Concen: 0.874 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:105 Resp: 3552

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.4	64.3





#85
sec-Butylbenzene
Concen: 0.793 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

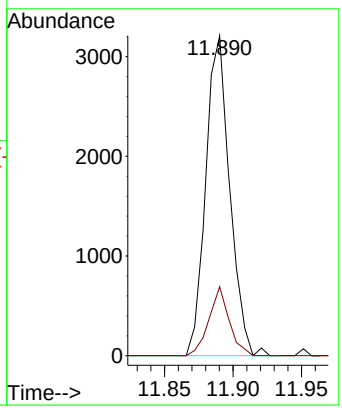
Tgt Ion:105 Resp: 390

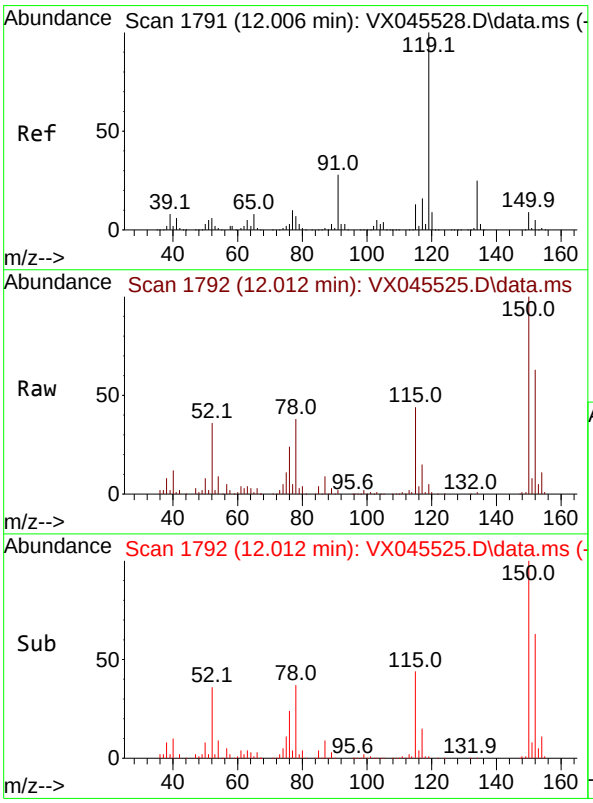
Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.6	28.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

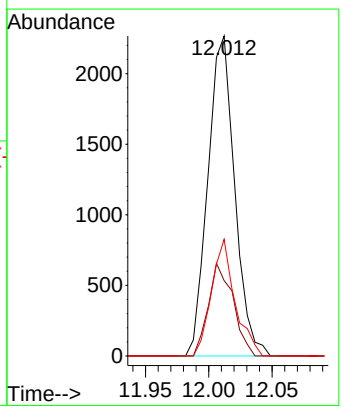


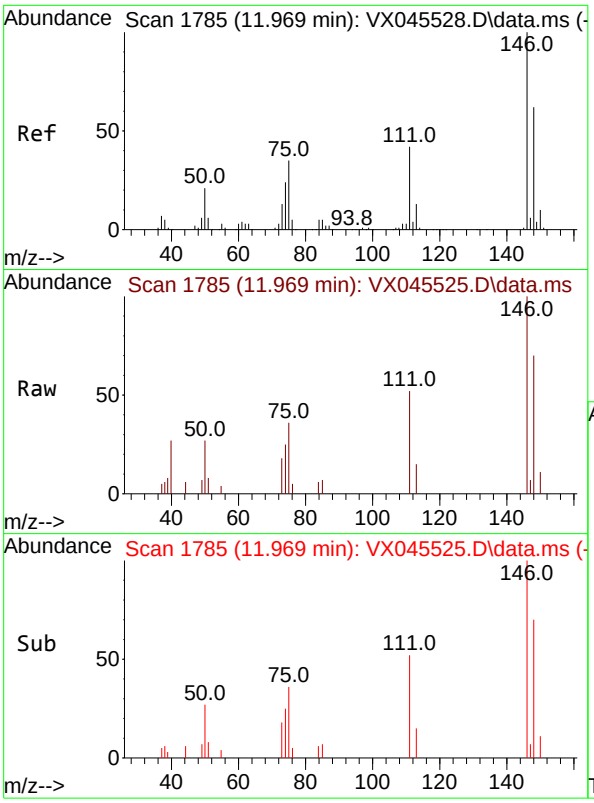


#86
p-Isopropyltoluene
Concen: 0.824 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:119 Resp: 3342

Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.6	37.8
91	31.9	13.7	41.1

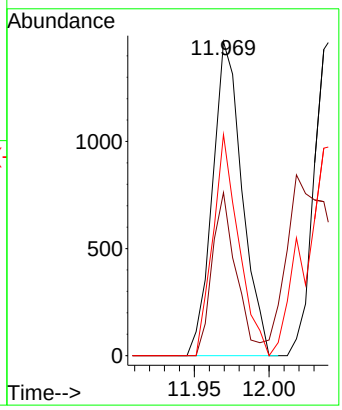




#87
1,3-Dichlorobenzene
Concen: 0.984 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:146 Resp: 202

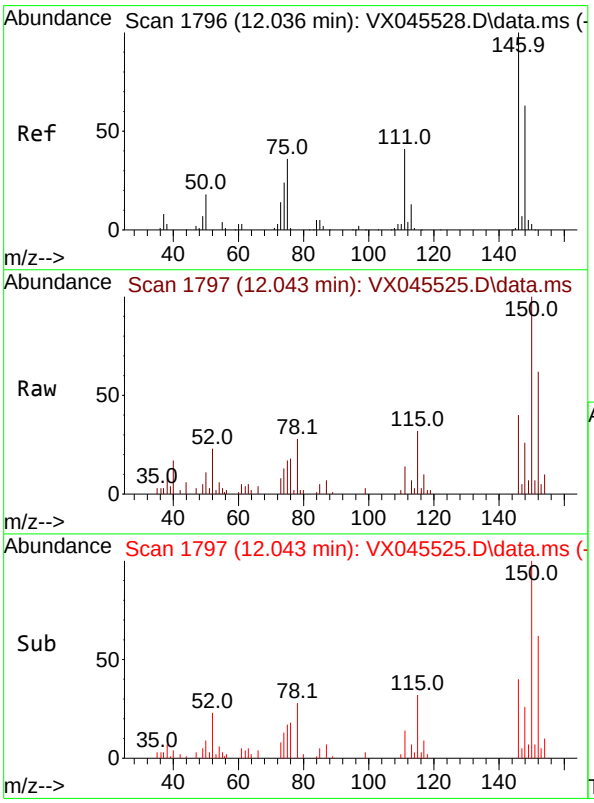
Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.2	66.6
148	61.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

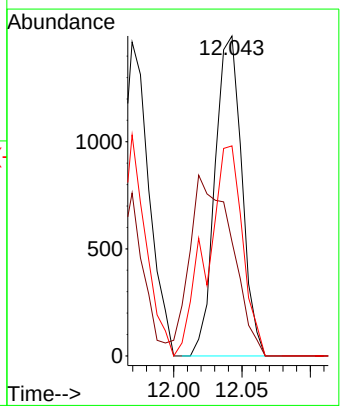
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

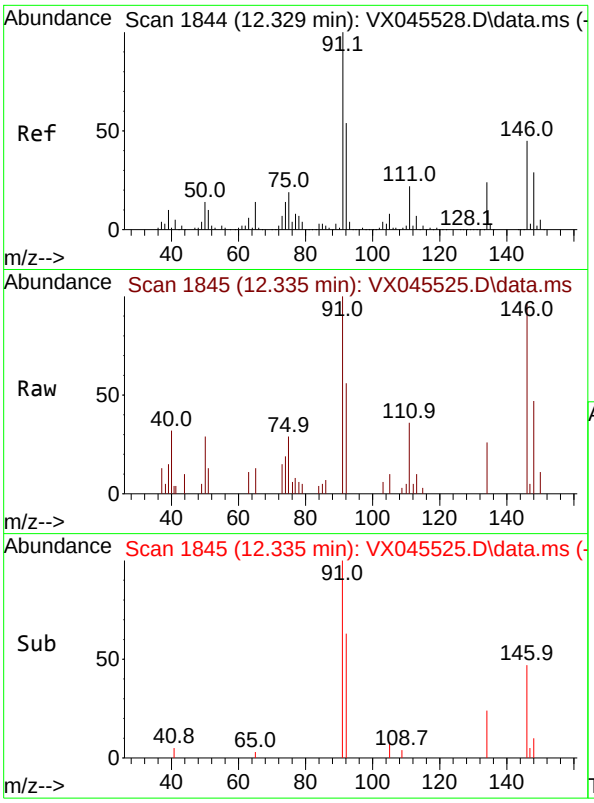


#88
1,4-Dichlorobenzene
Concen: 0.978 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:146 Resp: 2042

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.9	62.8
148	60.7	31.5	94.5

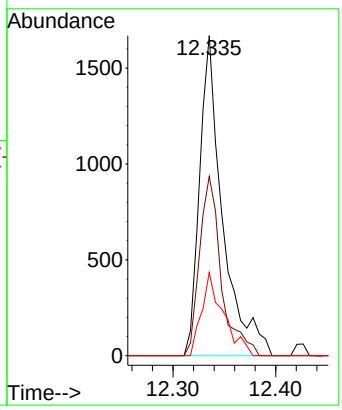




#89
n-Butylbenzene
Concen: 0.735 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 258

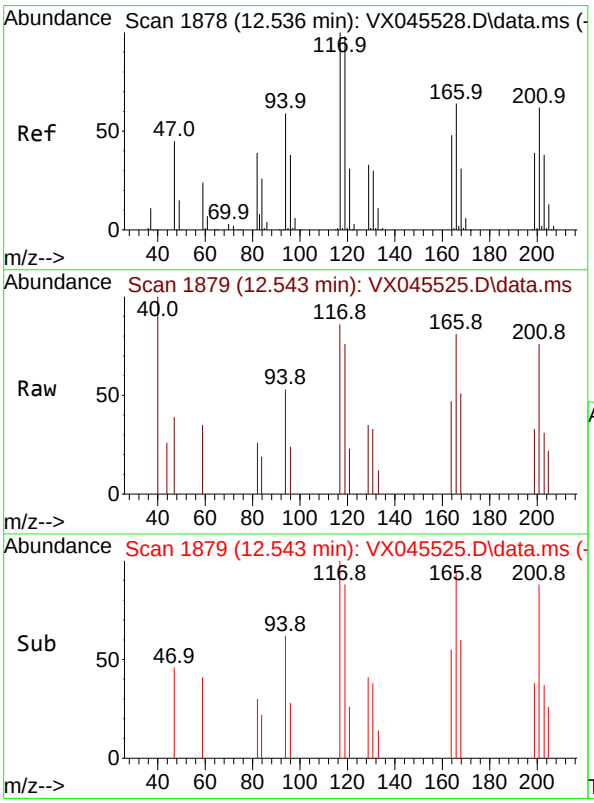
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.9	80.6
134	24.8	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

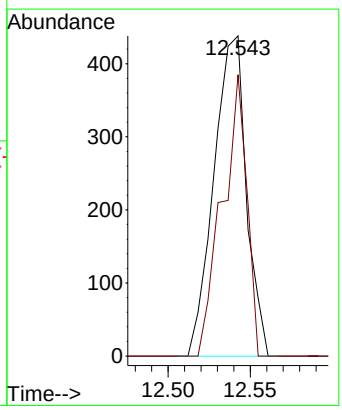
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

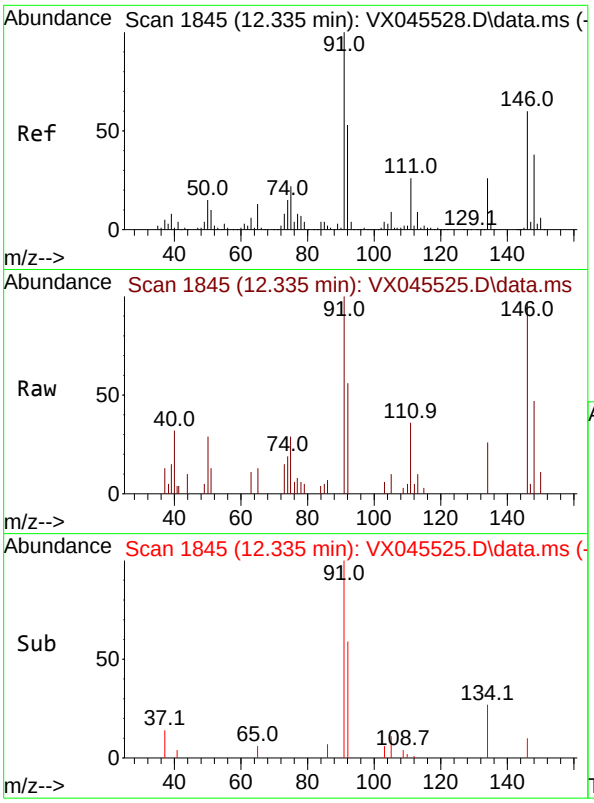


#90
Hexachloroethane
Concen: 0.863 ug/l
RT: 12.543 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:117 Resp: 602

Ion	Ratio	Lower	Upper
117	100		
201	66.3	31.2	93.6

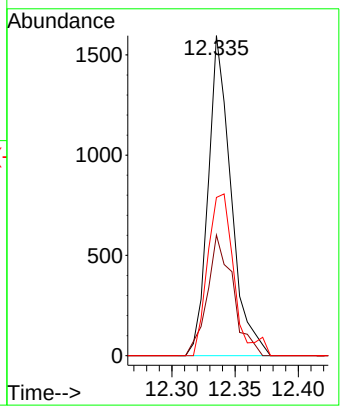




#91
1,2-Dichlorobenzene
Concen: 0.981 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:146 Resp: 200

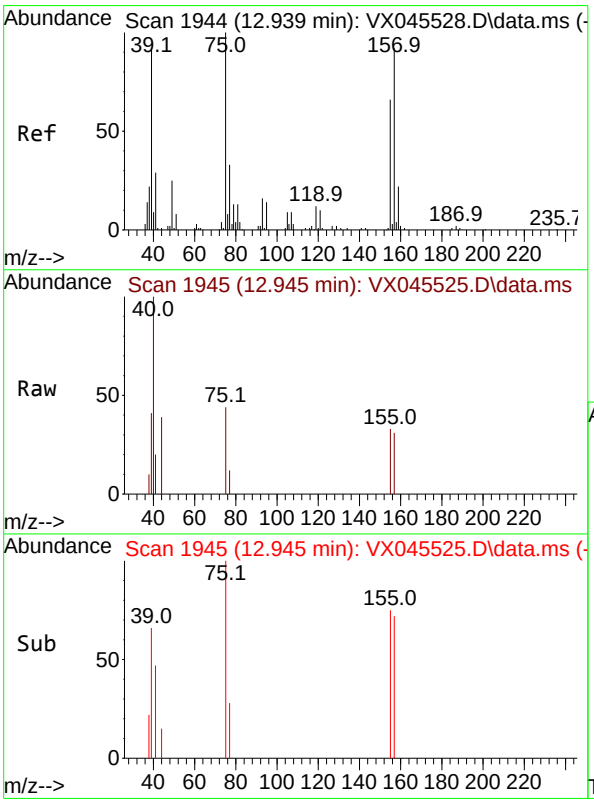
Ion	Ratio	Lower	Upper
146	100		
111	42.0	22.9	68.8
148	58.2	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

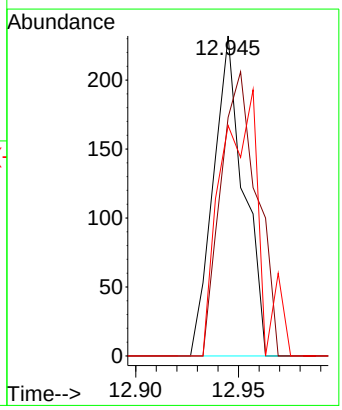
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

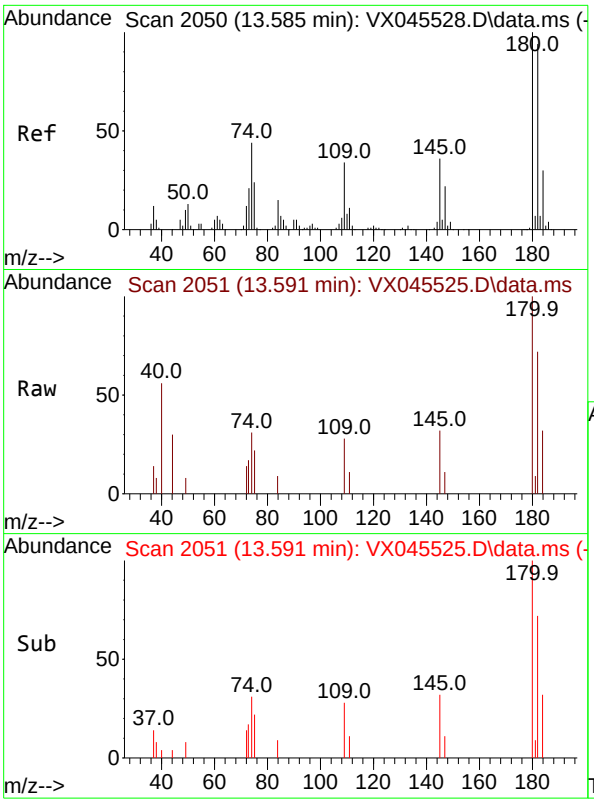


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.665 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 239

Ion	Ratio	Lower	Upper
75	100		
155	105.4	34.9	104.7#
157	103.8	44.9	134.7

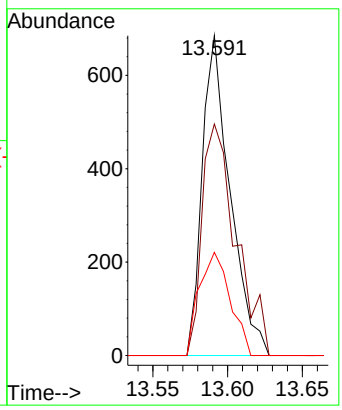




#93
1,2,4-Trichlorobenzene
Concen: 0.779 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:180 Resp: 88

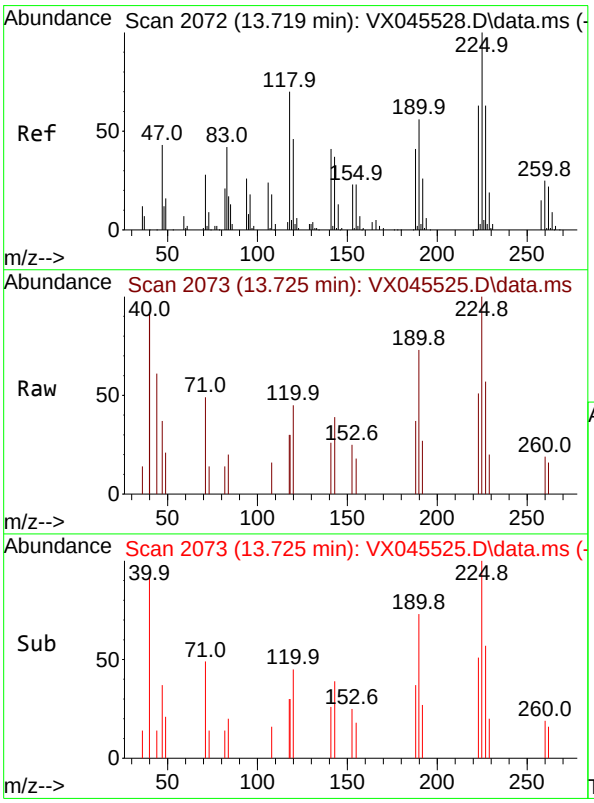
Ion	Ratio	Lower	Upper
180	100		
182	87.6	47.9	143.6
145	35.8	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

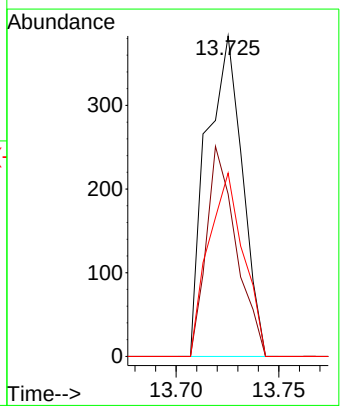
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

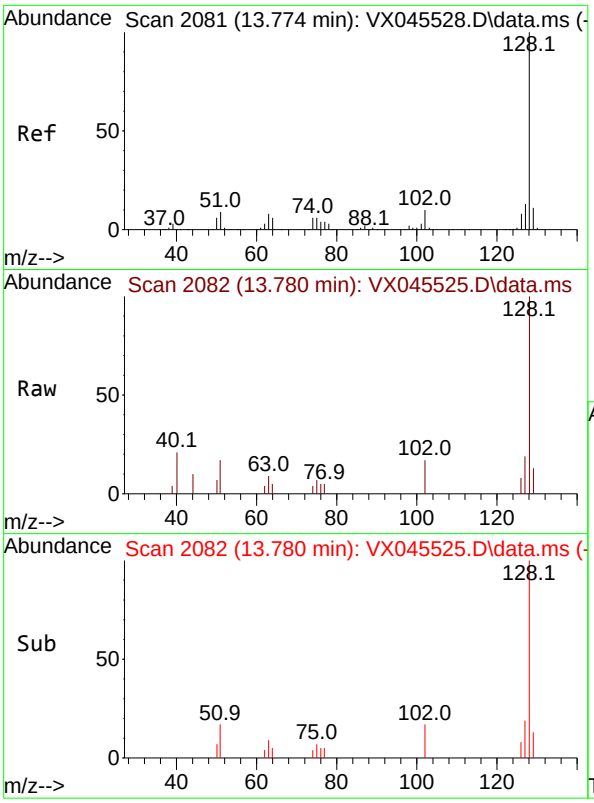


#94
Hexachlorobutadiene
Concen: 0.943 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:225 Resp: 463

Ion	Ratio	Lower	Upper
225	100		
223	54.9	31.1	93.3
227	56.4	32.2	96.6

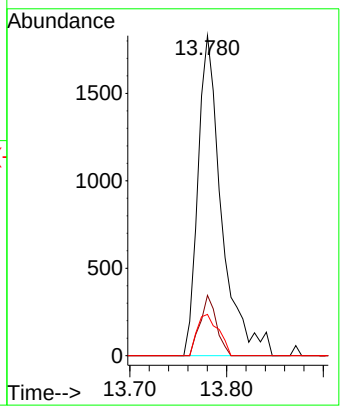




#95
Naphthalene
Concen: 0.733 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:128 Resp: 310

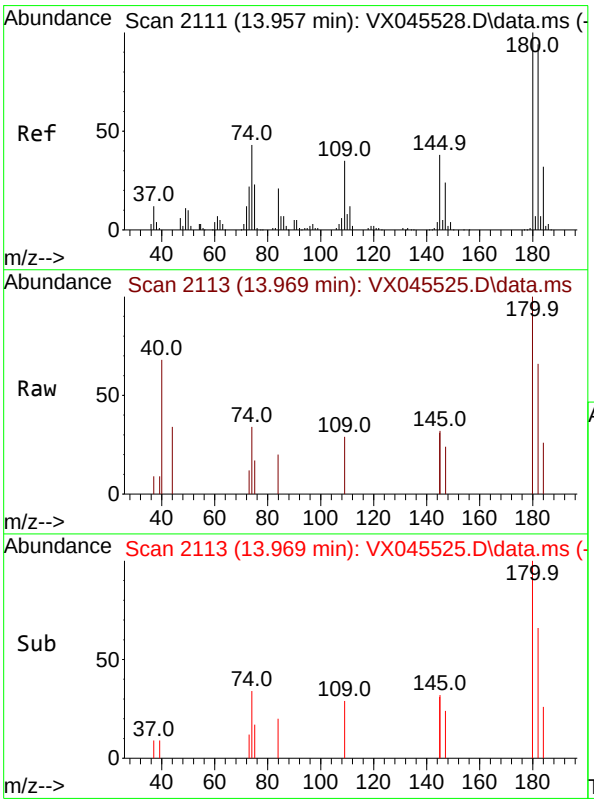
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

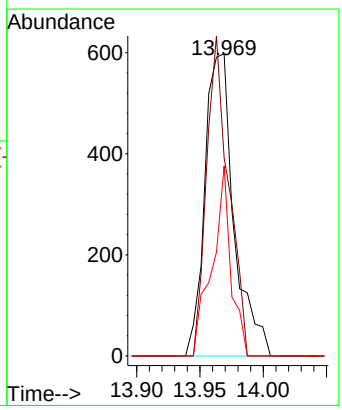
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.801 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:180 Resp: 956

Ion	Ratio	Lower	Upper
180	100		
182	80.5	47.3	141.8
145	40.4	18.2	54.6



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	93234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	166137	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	143937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	8969	5.260	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.520%#		
35) Dibromofluoromethane	5.391	113	6181	5.244	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.480%#		
50) Toluene-d8	8.647	98	20890	5.077	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.160%#		
62) 4-Bromofluorobenzene	11.079	95	6867	4.582	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.160%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	6482	4.649	ug/l	91
3) Chloromethane	1.307	50	6846	4.779	ug/l	99
4) Vinyl Chloride	1.374	62	6169	4.706	ug/l	100
5) Bromomethane	1.593	94	3185	5.124	ug/l	90
6) Chloroethane	1.666	64	3703	5.324	ug/l	96
7) Trichlorofluoromethane	1.874	101	9316	4.766	ug/l	94
8) Diethyl Ether	2.136	74	3171	4.832	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	5589	4.879	ug/l	99
10) Methyl Iodide	2.447	142	6574	4.601	ug/l	97
11) Tert butyl alcohol	2.983	59	5186	22.633	ug/l	99
12) 1,1-Dichloroethene	2.313	96	5485	4.901	ug/l	90
13) Acrolein	2.239	56	8202	25.993	ug/l	97
14) Allyl chloride	2.654	41	9960	4.690	ug/l	95
15) Acrylonitrile	3.069	53	17811	24.624	ug/l	97
16) Acetone	2.386	43	17188	24.550	ug/l	99
17) Carbon Disulfide	2.502	76	12376	4.477	ug/l #	93
18) Methyl Acetate	2.703	43	8042	4.989	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	18314	4.677	ug/l	100
20) Methylene Chloride	2.782	84	6481	4.945	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	5534	4.840	ug/l	95
22) Diisopropyl ether	3.764	45	19765	4.725	ug/l #	82
23) Vinyl Acetate	3.721	43	78907	21.831	ug/l	98
24) 1,1-Dichloroethane	3.605	63	11562	4.887	ug/l	98
25) 2-Butanone	4.574	43	25026	24.419	ug/l	99
26) 2,2-Dichloropropane	4.477	77	7054	4.615	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	6485	4.655	ug/l	95
28) Bromochloromethane	4.898	49	5666	4.956	ug/l	95
29) Tetrahydrofuran	5.013	42	15913	23.950	ug/l	100
30) Chloroform	5.087	83	12200	5.012	ug/l	99
31) Cyclohexane	5.465	56	9731	4.653	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	9811	4.763	ug/l	99
36) 1,1-Dichloropropene	5.690	75	7354	4.621	ug/l	98
37) Ethyl Acetate	4.721	43	9384	4.679	ug/l #	91
38) Carbon Tetrachloride	5.666	117	8264	4.804	ug/l	99
39) Methylcyclohexane	7.379	83	8757	4.489	ug/l	95
40) Benzene	6.038	78	23522	4.839	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	4593	4.302 ug/l	92
42) 1,2-Dichloroethane	6.092	62	9713	4.838 ug/l	100
43) Isopropyl Acetate	6.348	43	13803	4.541 ug/l	97
44) Trichloroethene	7.129	130	5355	4.635 ug/l	99
45) 1,2-Dichloropropane	7.434	63	6060	4.997 ug/l	99
46) Dibromomethane	7.580	93	4767	5.120 ug/l	99
47) Bromodichloromethane	7.818	83	8619	4.636 ug/l #	97
48) Methyl methacrylate	7.696	41	6908	4.401 ug/l	98
49) 1,4-Dioxane	7.665	88	3205	112.864 ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	48050	23.844 ug/l	97
52) Toluene	8.714	92	14391	4.893 ug/l	100
53) t-1,3-Dichloropropene	8.982	75	6643	5.834 ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	7873	4.506 ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	5741	4.898 ug/l	90
56) Ethyl methacrylate	9.116	69	8012	4.417 ug/l	95
57) 1,3-Dichloropropane	9.305	76	10208	5.002 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	21382	23.302 ug/l	99
59) 2-Hexanone	9.433	43	35628	23.875 ug/l	99
60) Dibromochloromethane	9.519	129	5855	4.582 ug/l	99
61) 1,2-Dibromoethane	9.610	107	5837	4.920 ug/l	98
64) Tetrachloroethene	9.275	164	5373	5.287 ug/l	93
65) Chlorobenzene	10.073	112	15178	4.935 ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	4945	4.631 ug/l	97
67) Ethyl Benzene	10.195	91	26180	4.753 ug/l	97
68) m/p-Xylenes	10.299	106	19268	9.617 ug/l	99
69) o-Xylene	10.640	106	9735	4.932 ug/l	99
70) Styrene	10.653	104	15017	4.610 ug/l	96
71) Bromoform	10.799	173	3634	4.558 ug/l #	95
73) Isopropylbenzene	10.964	105	24604	4.806 ug/l	100
74) N-amyl acetate	10.848	43	10750	4.390 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	9127	5.075 ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	8032m	5.152 ug/l	
77) Bromobenzene	11.195	156	5927	5.011 ug/l	97
78) n-propylbenzene	11.305	91	27777	4.711 ug/l	98
79) 2-Chlorotoluene	11.360	91	18358	4.870 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	19936	4.710 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	1752	3.814 ug/l	85
82) 4-Chlorotoluene	11.457	91	20171	4.799 ug/l	99
83) tert-Butylbenzene	11.713	119	19962	4.763 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	19998	4.707 ug/l	99
85) sec-Butylbenzene	11.890	105	24465	4.753 ug/l	100
86) p-Isopropyltoluene	12.006	119	20178	4.755 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	10255	4.763 ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	11016	5.047 ug/l	93
89) n-Butylbenzene	12.329	91	15887	4.317 ug/l	98
90) Hexachloroethane	12.536	117	3151	4.320 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	10510	4.910 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1661	4.417 ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	5391	4.524 ug/l	95
94) Hexachlorobutadiene	13.719	225	2483	4.836 ug/l	98
95) Naphthalene	13.774	128	19618	4.424 ug/l	97
96) 1,2,3-Trichlorobenzene	13.957	180	5854	4.692 ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

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

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

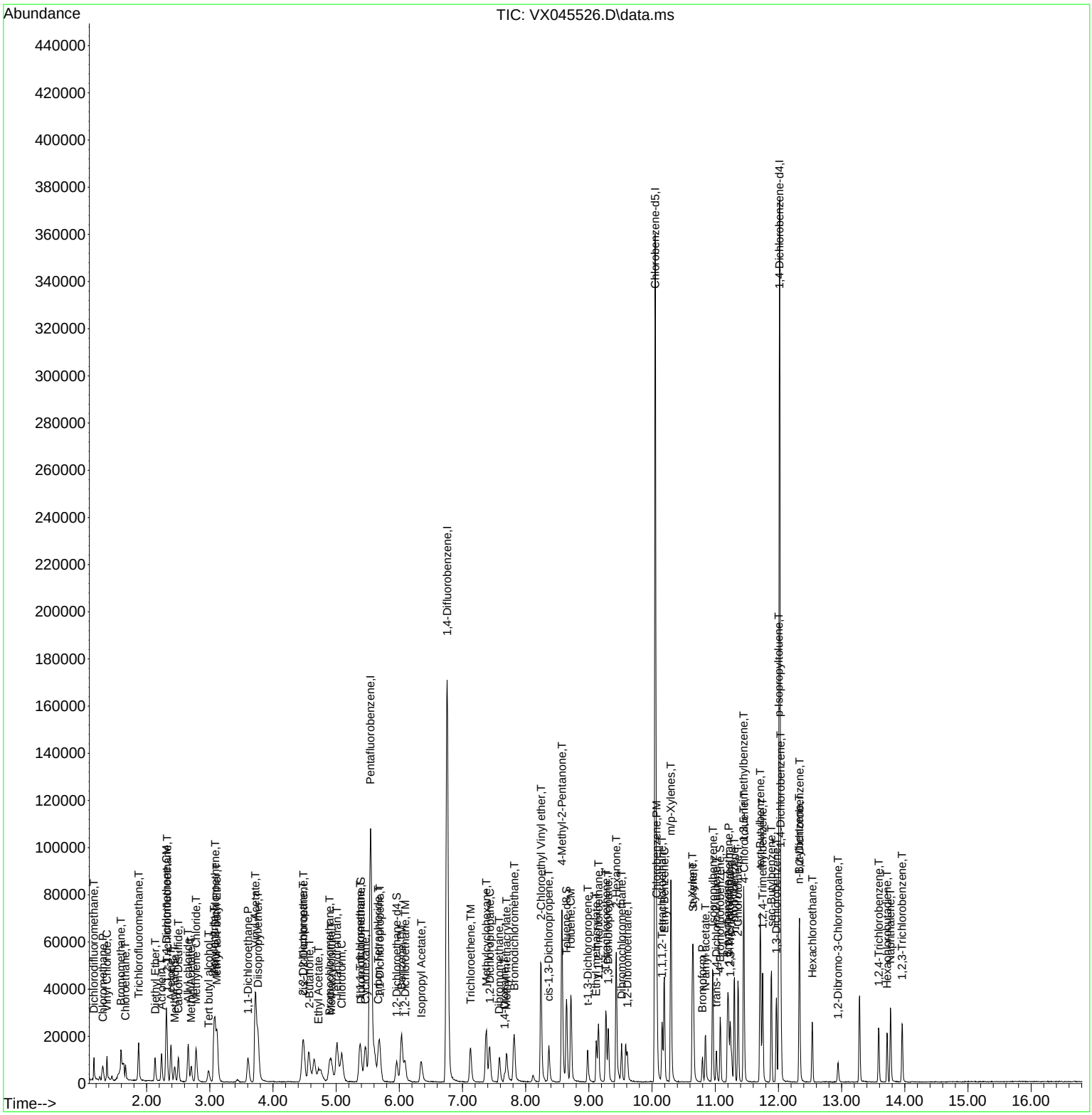
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

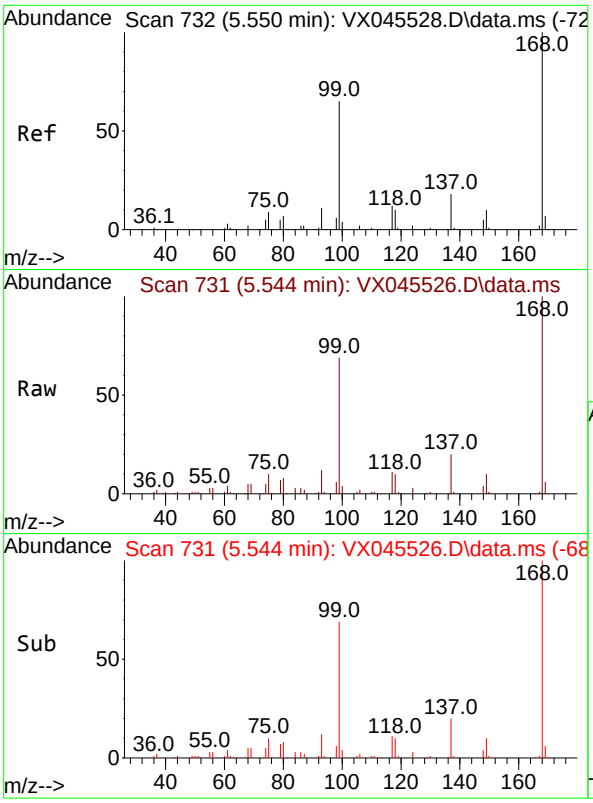
Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

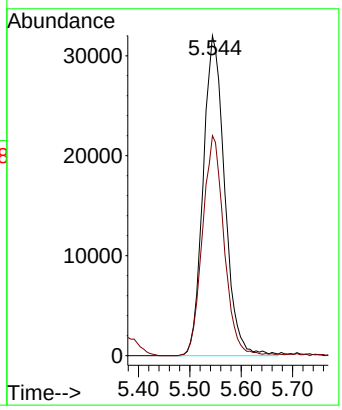




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:168 Resp: 9323

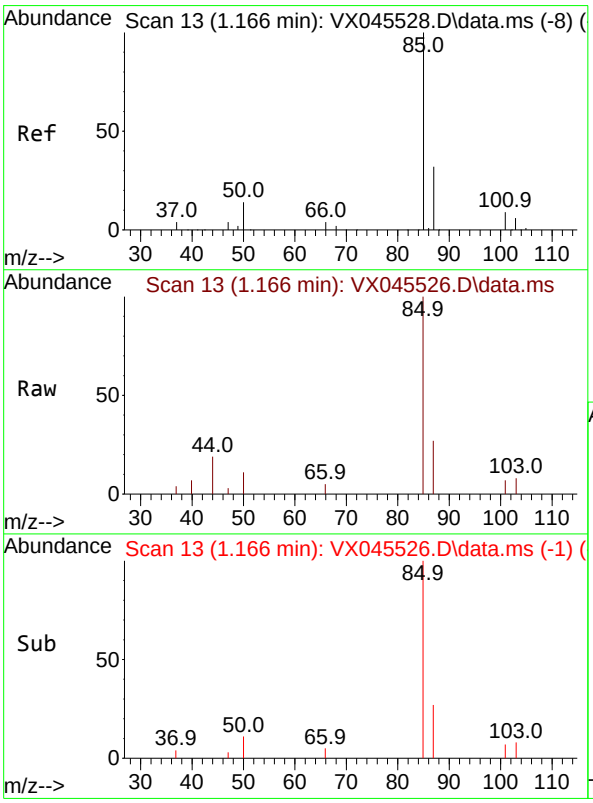
Ion	Ratio	Lower	Upper
168	100		
99	68.8	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

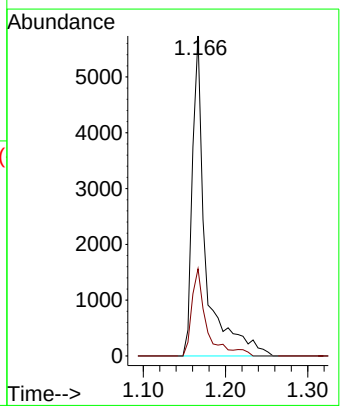
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

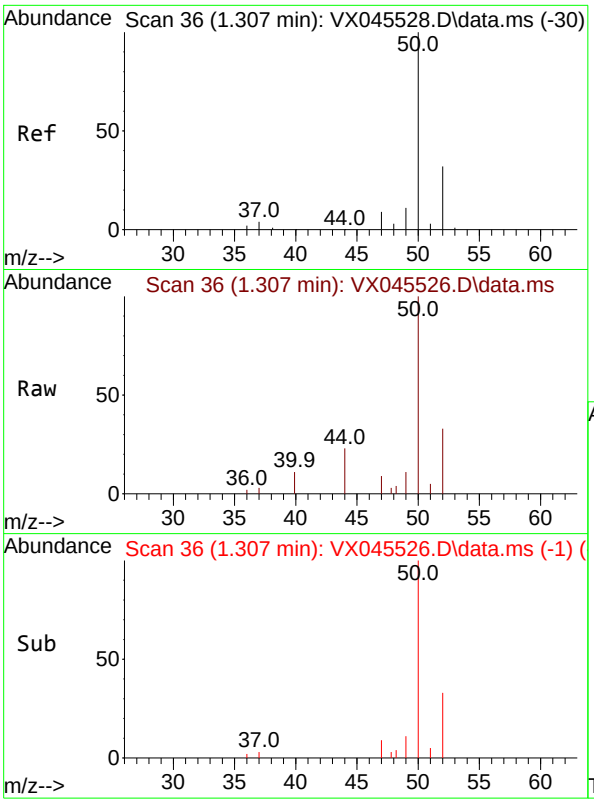


#2
Dichlorodifluoromethane
Concen: 4.649 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 85 Resp: 6482

Ion	Ratio	Lower	Upper
85	100		
87	27.3	16.1	48.2

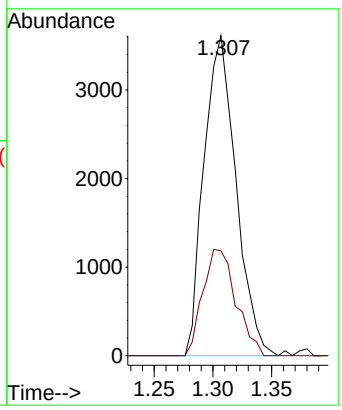




#3
Chloromethane
Concen: 4.779 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 50 Resp: 684

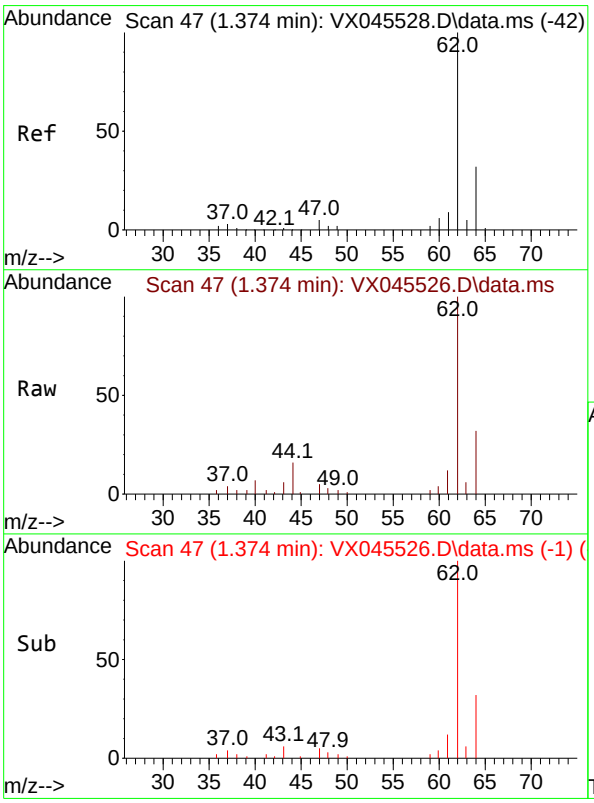
Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

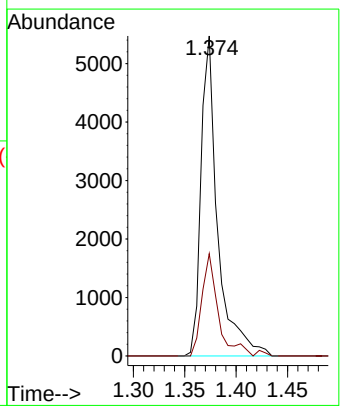
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

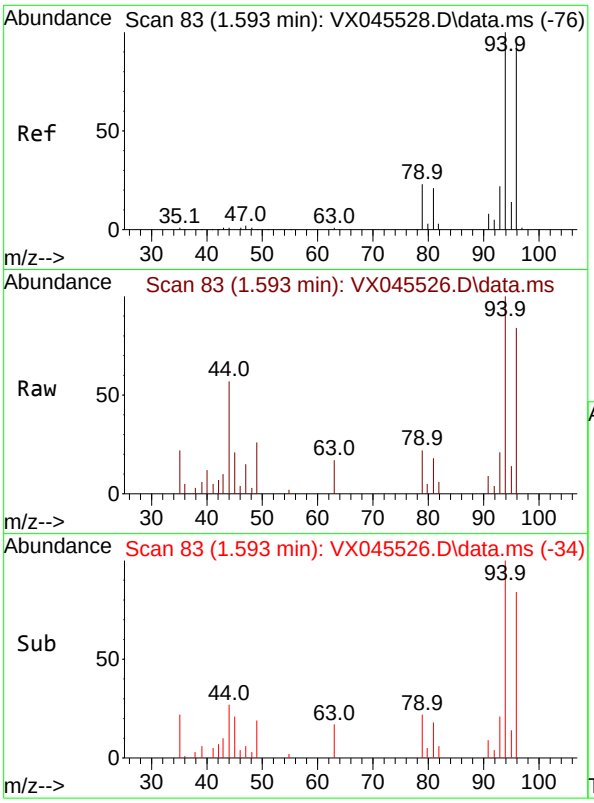


#4
Vinyl Chloride
Concen: 4.706 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 62 Resp: 6169

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3

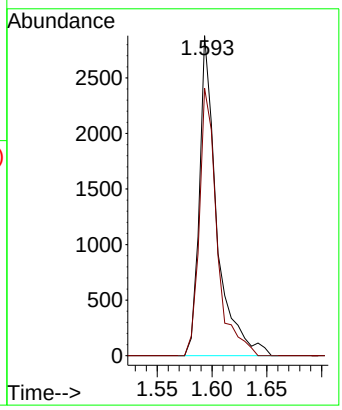




#5
Bromomethane
Concen: 5.124 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 94 Resp: 318

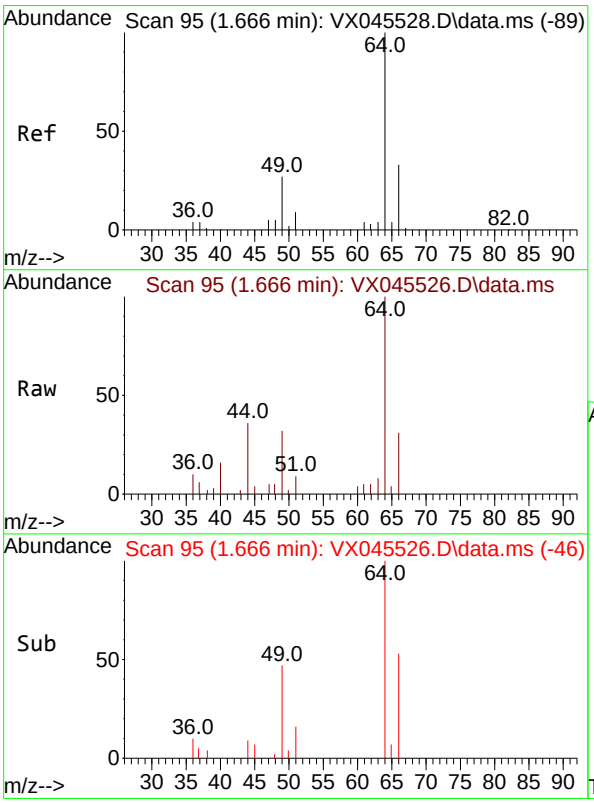
Ion	Ratio	Lower	Upper
94	100		
96	83.6	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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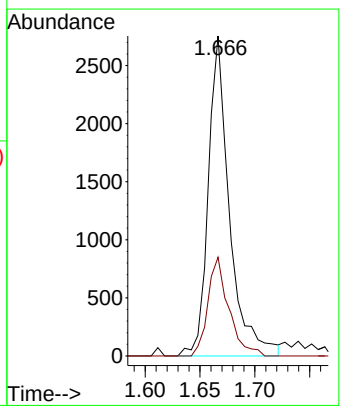
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

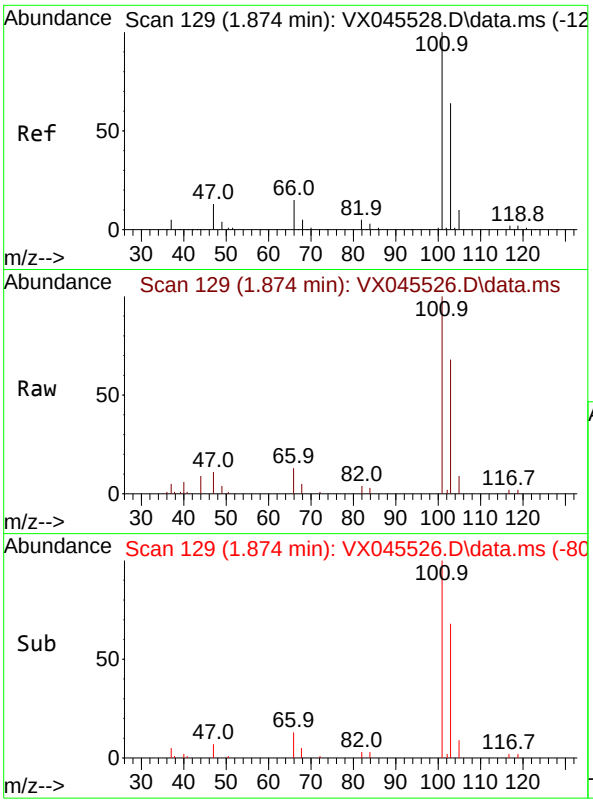


#6
Chloroethane
Concen: 5.324 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 64 Resp: 3703

Ion	Ratio	Lower	Upper
64	100		
66	30.9	26.3	39.5

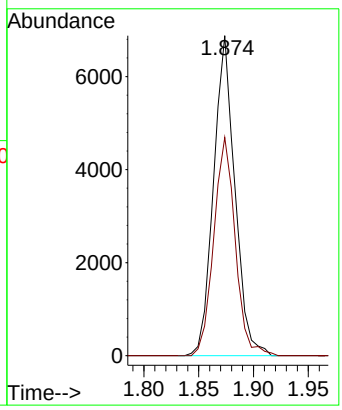




#7
Trichlorofluoromethane
Concen: 4.766 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:101 Resp: 931

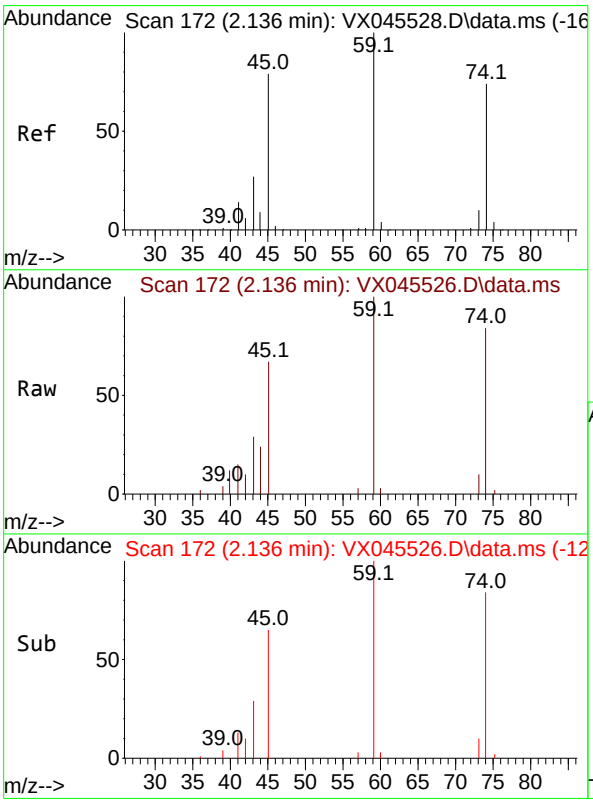
Ion	Ratio	Lower	Upper
101	100		
103	68.2	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

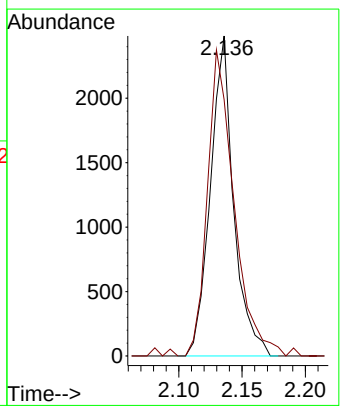
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

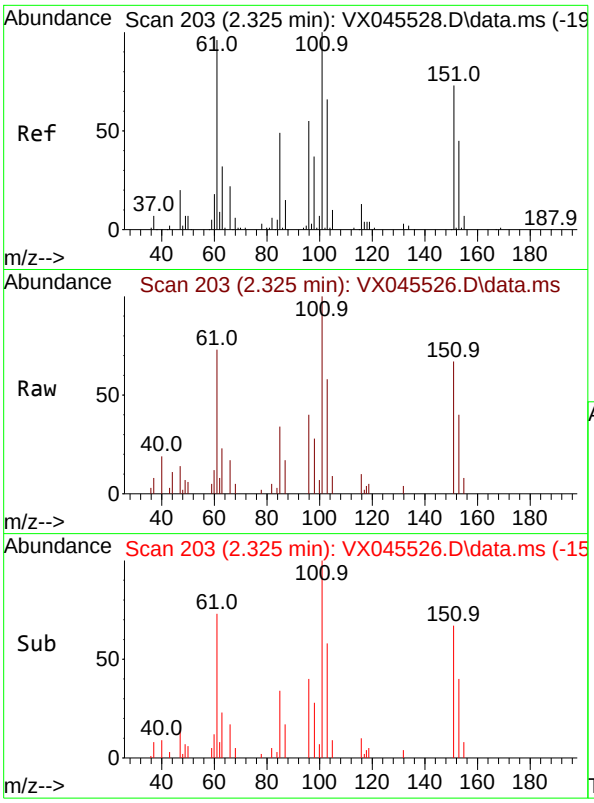


#8
Diethyl Ether
Concen: 4.832 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 74 Resp: 3171

Ion	Ratio	Lower	Upper
74	100		
45	110.2	53.0	159.1

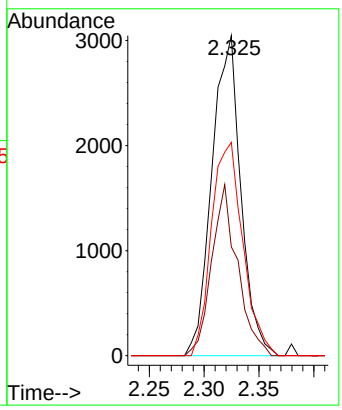




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.879 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:101 Resp: 558

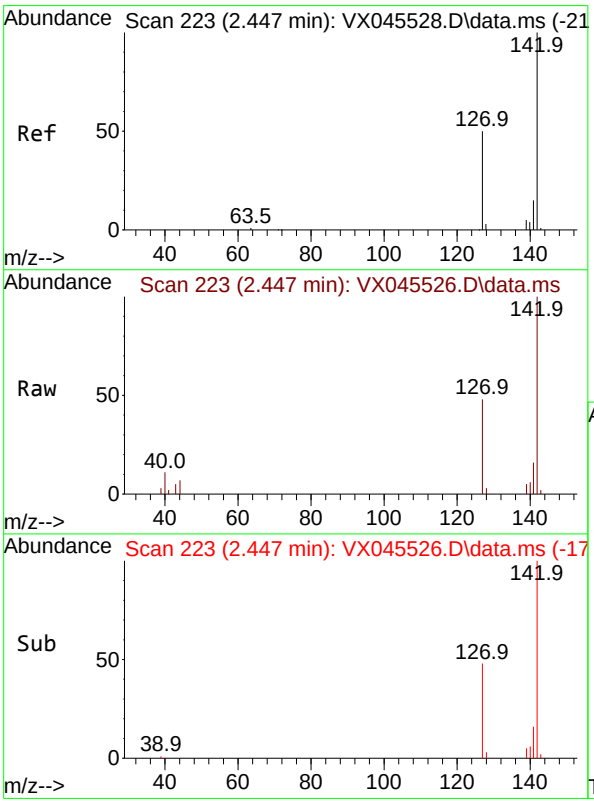
Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.9	58.3
151	72.4	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

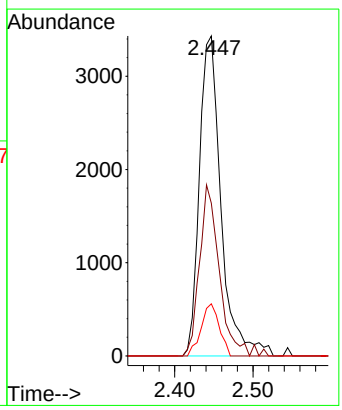
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

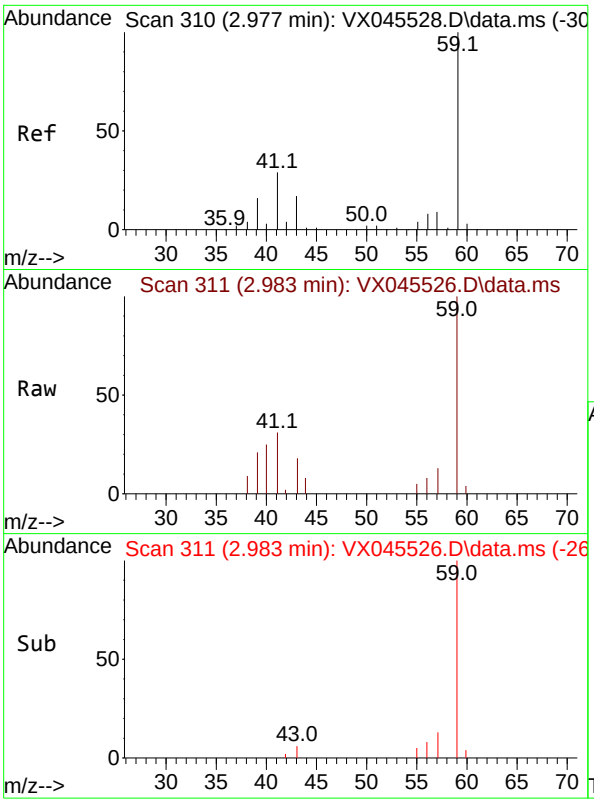


#10
Methyl Iodide
Concen: 4.601 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:142 Resp: 6574

Ion	Ratio	Lower	Upper
142	100		
127	48.4	40.2	60.4
141	13.7	11.7	17.5

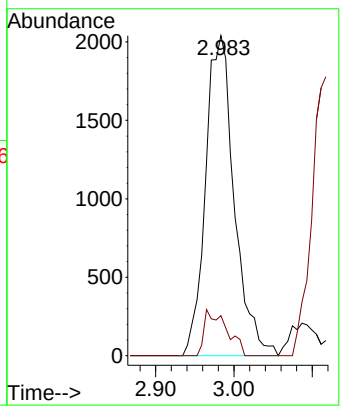




#11
Tert butyl alcohol
Concen: 22.633 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 59 Resp: 518

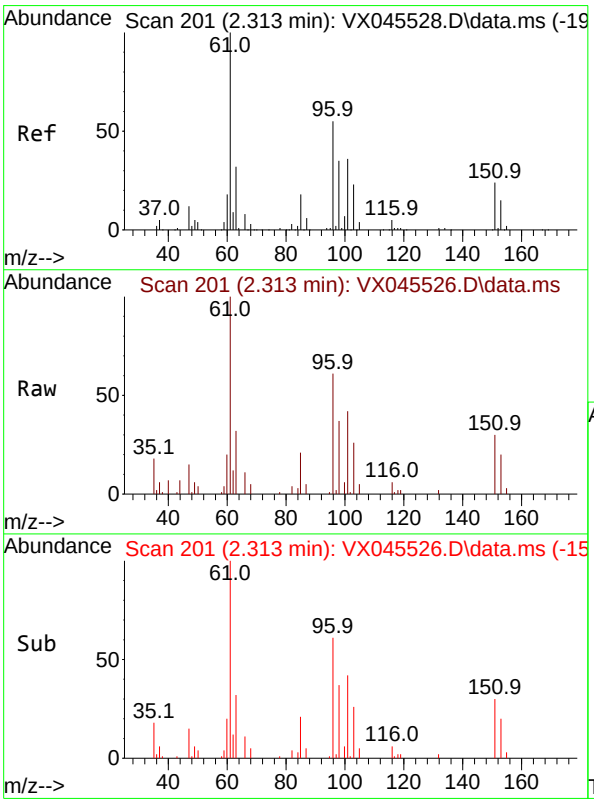
Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

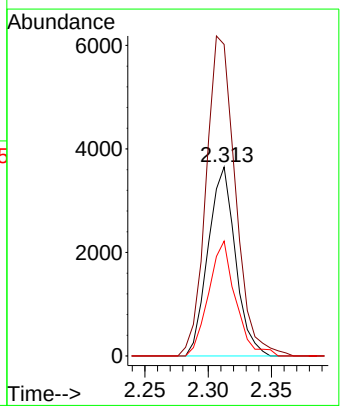
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

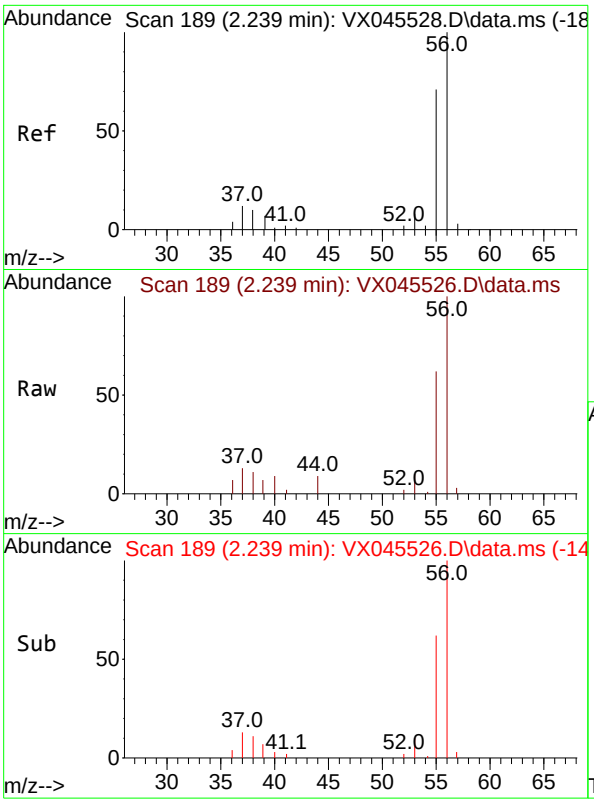


#12
1,1-Dichloroethene
Concen: 4.901 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 96 Resp: 5485

Ion	Ratio	Lower	Upper
96	100		
61	164.9	145.7	218.5
98	60.8	51.6	77.4

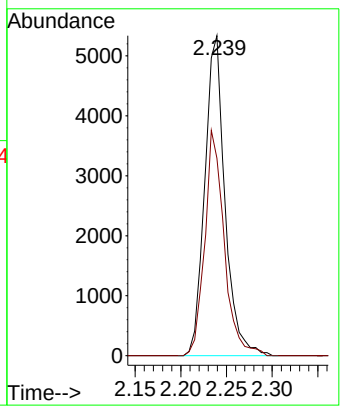




#13
Acrolein
Concen: 25.993 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 56 Resp: 820

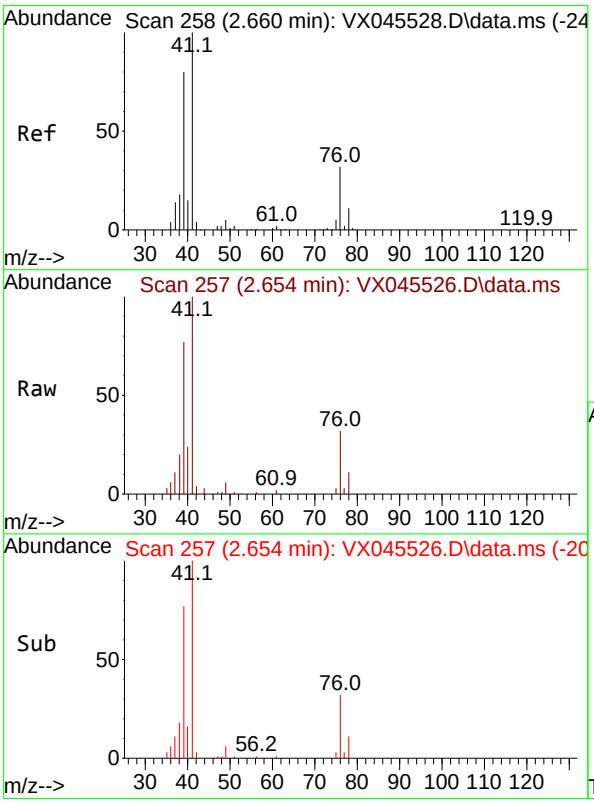
Ion	Ratio	Lower	Upper
56	100		
55	67.9	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

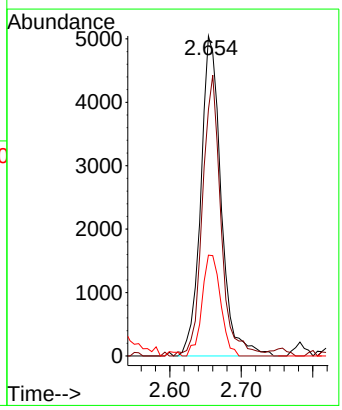
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

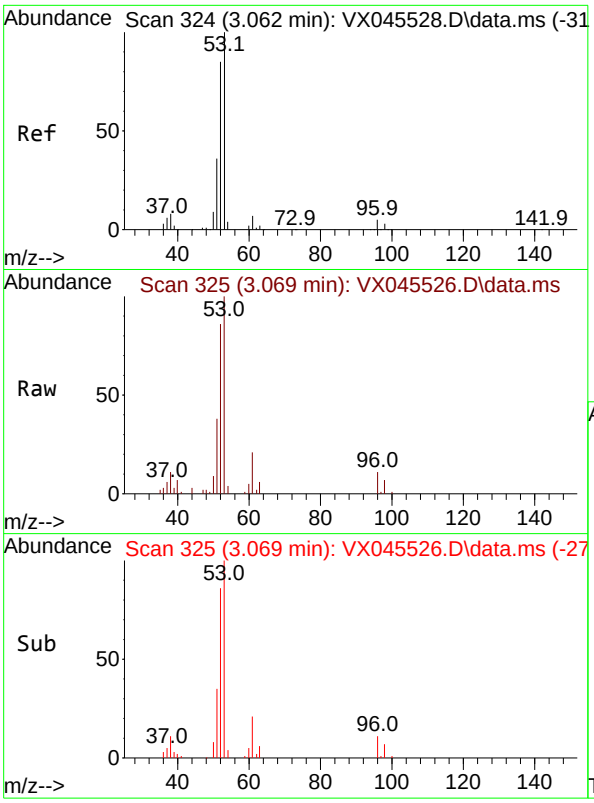


#14
Allyl chloride
Concen: 4.690 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 41 Resp: 9960

Ion	Ratio	Lower	Upper
41	100		
39	79.8	60.2	90.2
76	28.8	24.6	36.8

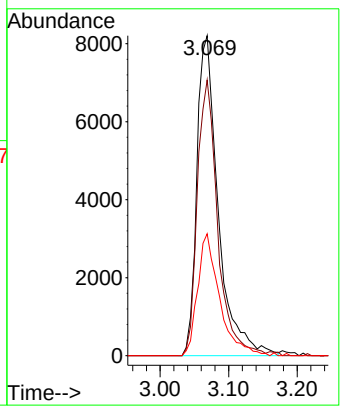




#15
Acrylonitrile
Concen: 24.624 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 53 Resp: 1781

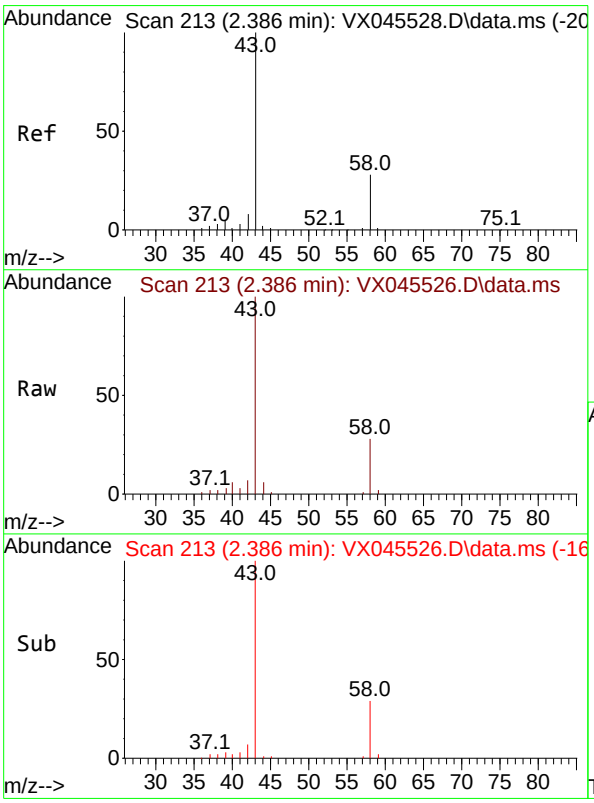
Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.4	101.2
51	39.3	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

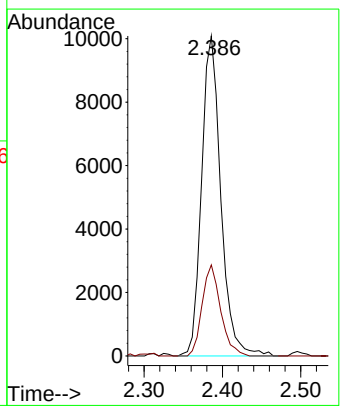
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

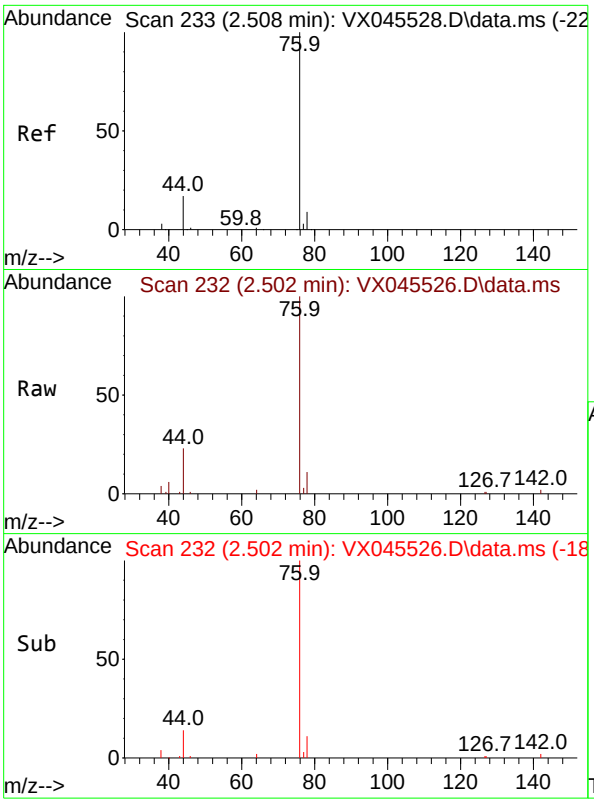


#16
Acetone
Concen: 24.550 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 17188

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.3	33.5





#17
Carbon Disulfide
Concen: 4.477 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

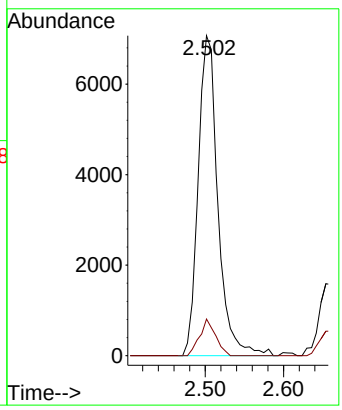
Tgt Ion: 76 Resp: 1237

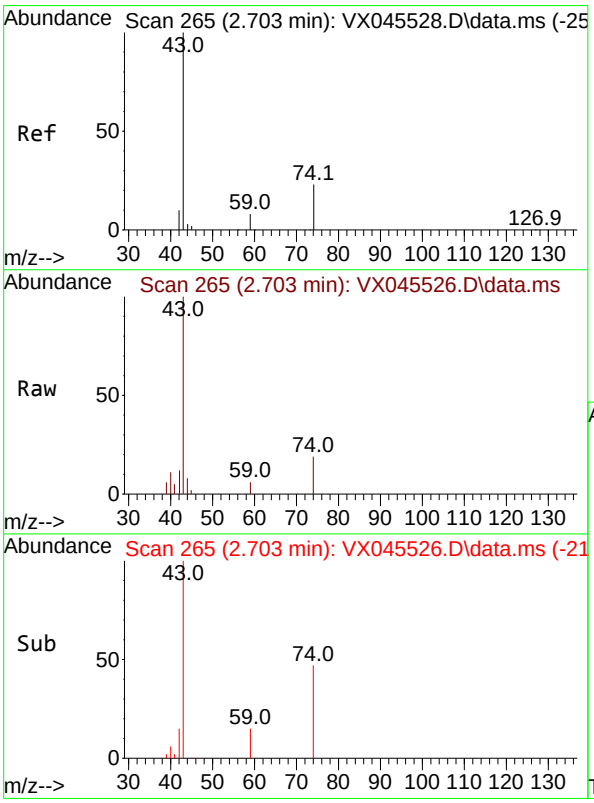
Ion	Ratio	Lower	Upper
76	100		
78	11.4	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

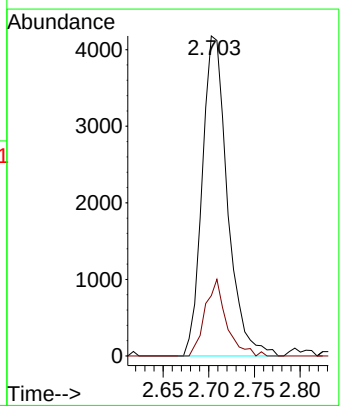


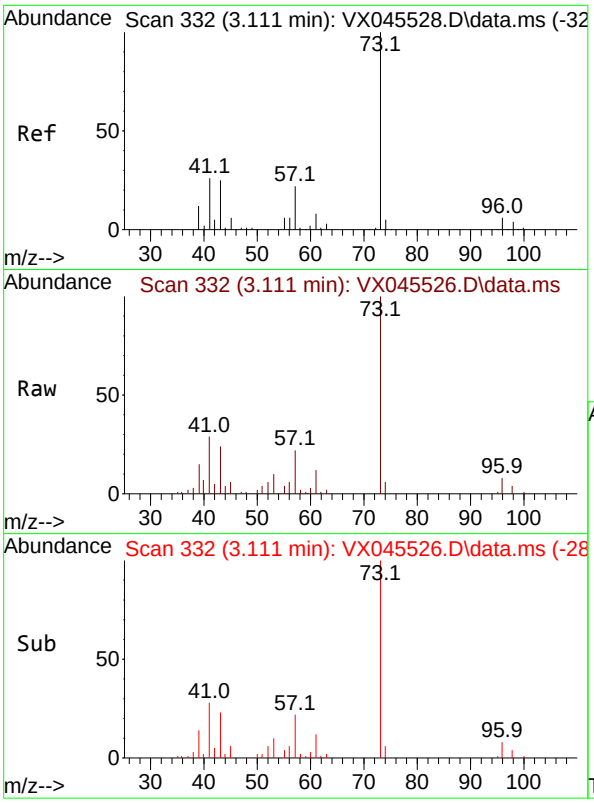


#18
Methyl Acetate
Concen: 4.989 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 8042

Ion	Ratio	Lower	Upper
43	100		
74	20.2	17.5	26.3

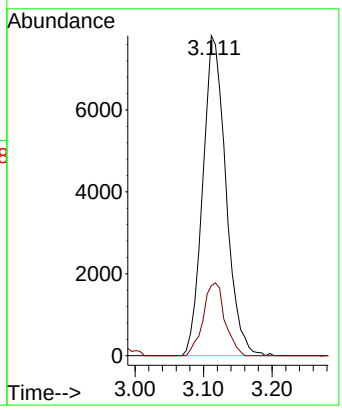




#19
Methyl tert-butyl Ether
Concen: 4.677 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 73 Resp: 1831

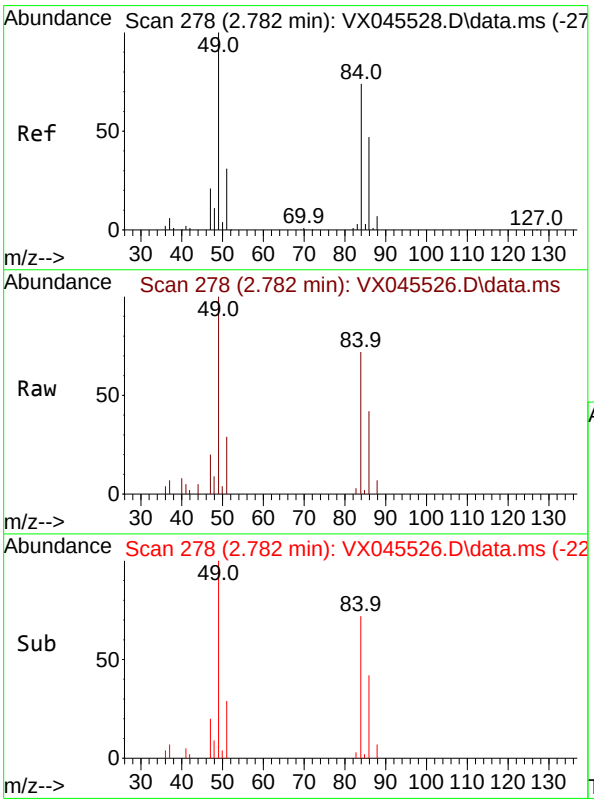
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

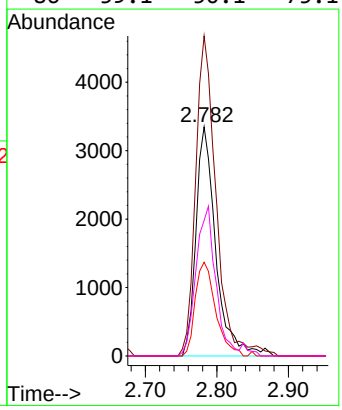
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

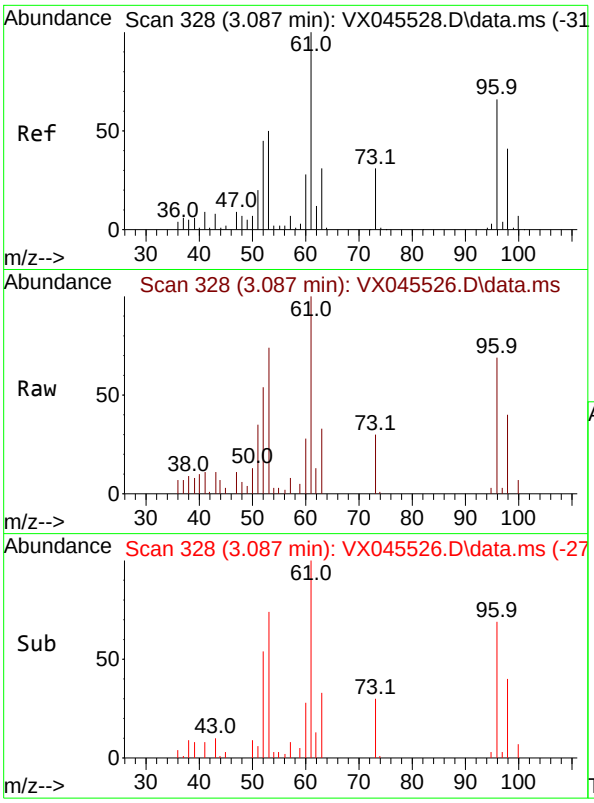


#20
Methylene Chloride
Concen: 4.945 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 84 Resp: 6481

Ion	Ratio	Lower	Upper
84	100		
49	139.6	107.5	161.3
51	40.9	33.0	49.6
86	59.1	50.1	75.1

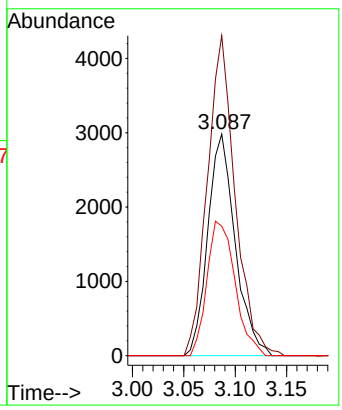




#21
trans-1,2-Dichloroethene
Concen: 4.840 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 96 Resp: 553

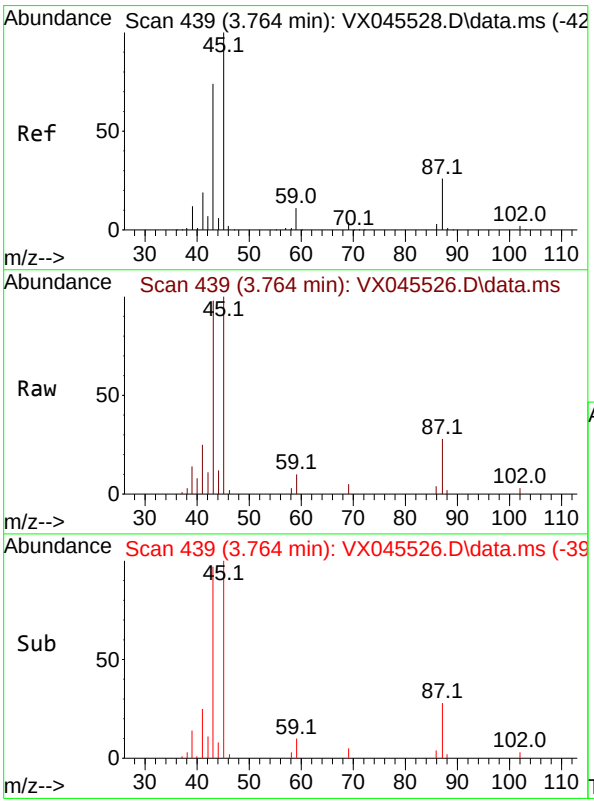
Ion	Ratio	Lower	Upper
96	100		
61	144.4	121.0	181.6
98	58.5	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

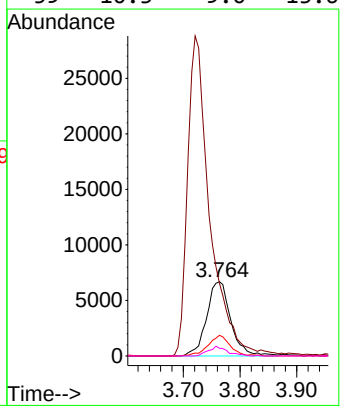
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

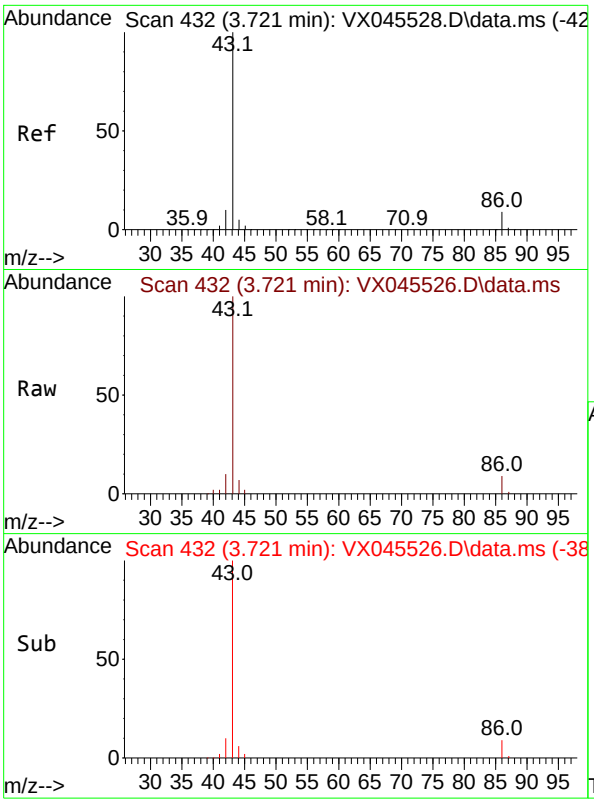


#22
Diisopropyl ether
Concen: 4.725 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 45 Resp: 19765

Ion	Ratio	Lower	Upper
45	100		
43	94.7	59.3	88.9#
87	27.8	20.4	30.6
59	10.3	9.0	13.6





#23
Vinyl Acetate
Concen: 21.831 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

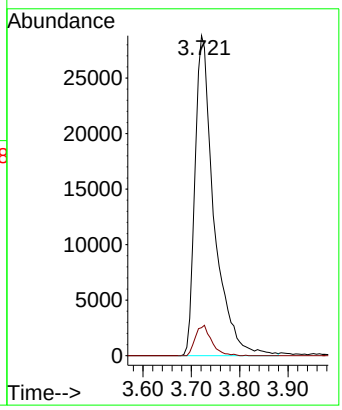
Tgt Ion: 43 Resp: 7890

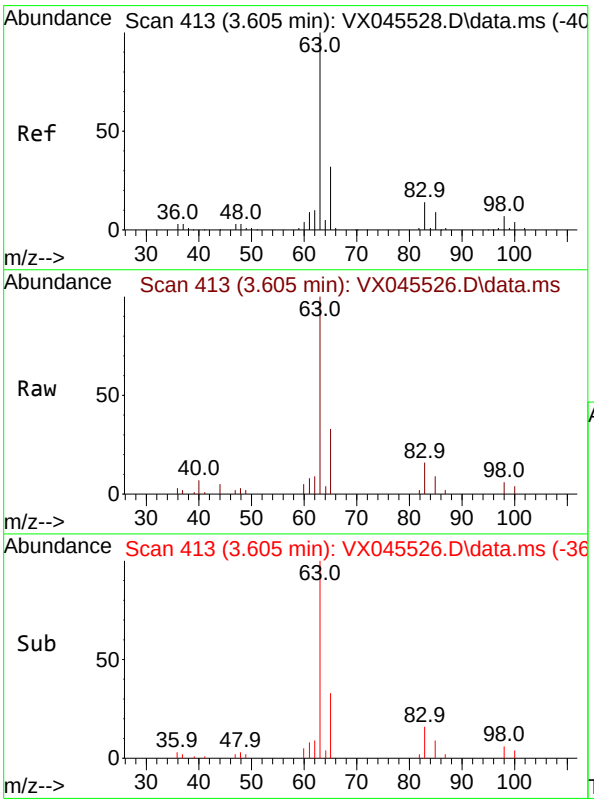
Ion	Ratio	Lower	Upper
43	100		
86	8.7	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

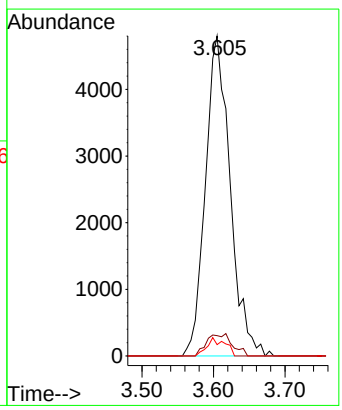


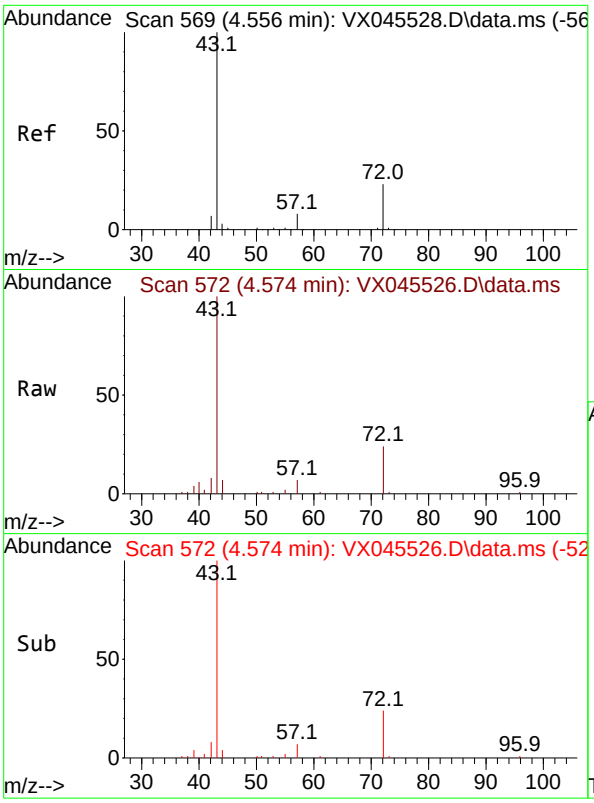


#24
1,1-Dichloroethane
Concen: 4.887 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 63 Resp: 11562

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.1
100	3.6	2.2	6.6

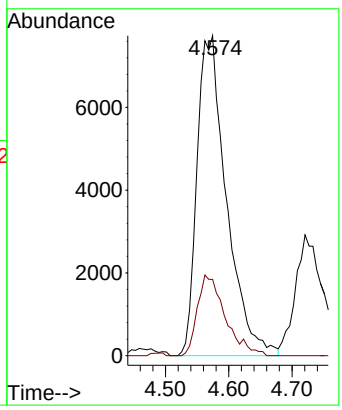




#25
2-Butanone
Concen: 24.419 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 2502

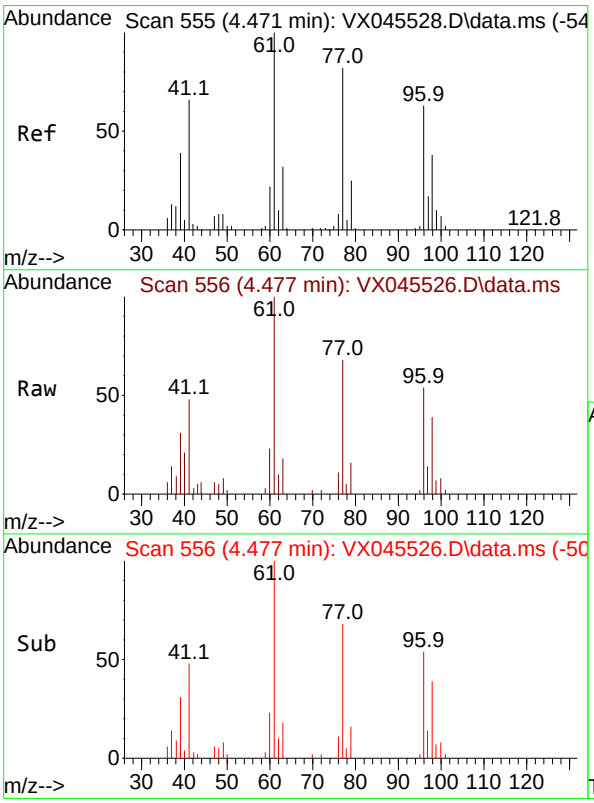
Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

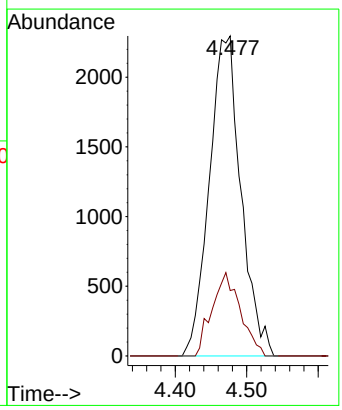
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

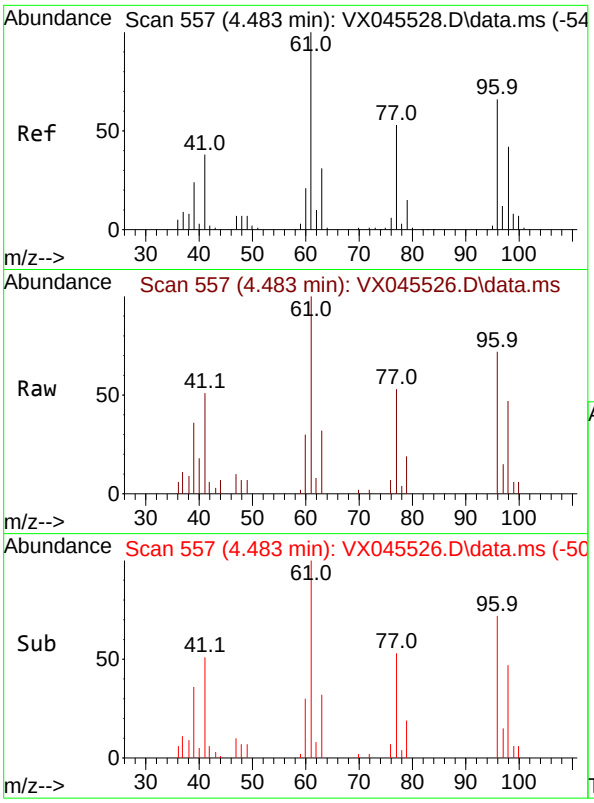


#26
2,2-Dichloropropane
Concen: 4.615 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 77 Resp: 7054

Ion	Ratio	Lower	Upper
77	100		
97	23.4	10.6	31.8

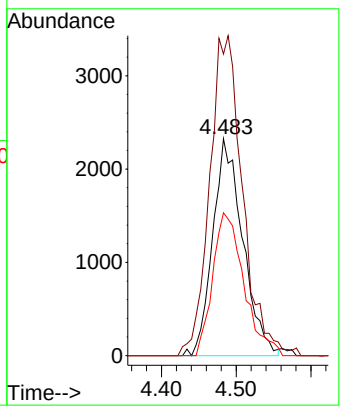




#27
cis-1,2-Dichloroethene
Concen: 4.655 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 96 Resp: 648

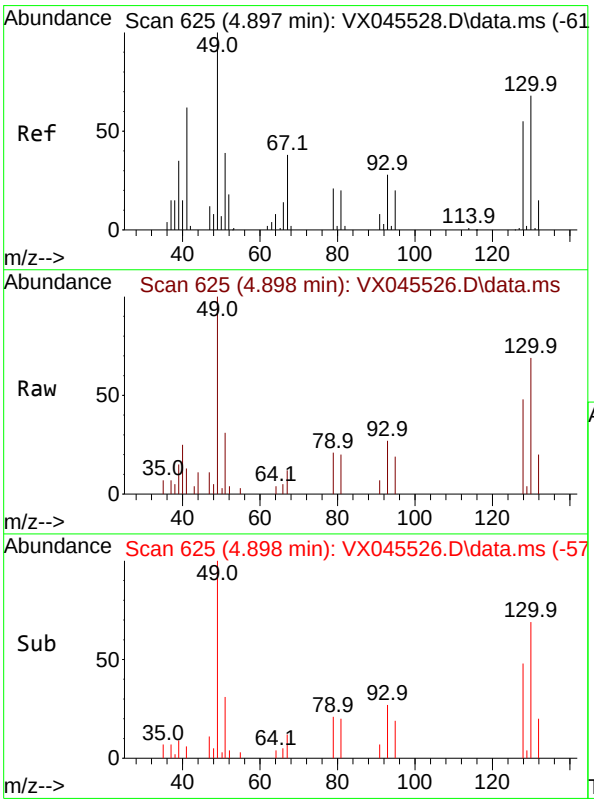
Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	313.2
98	68.5	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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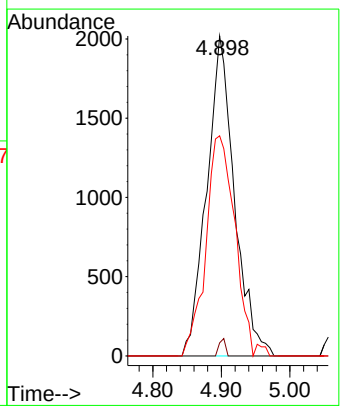
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

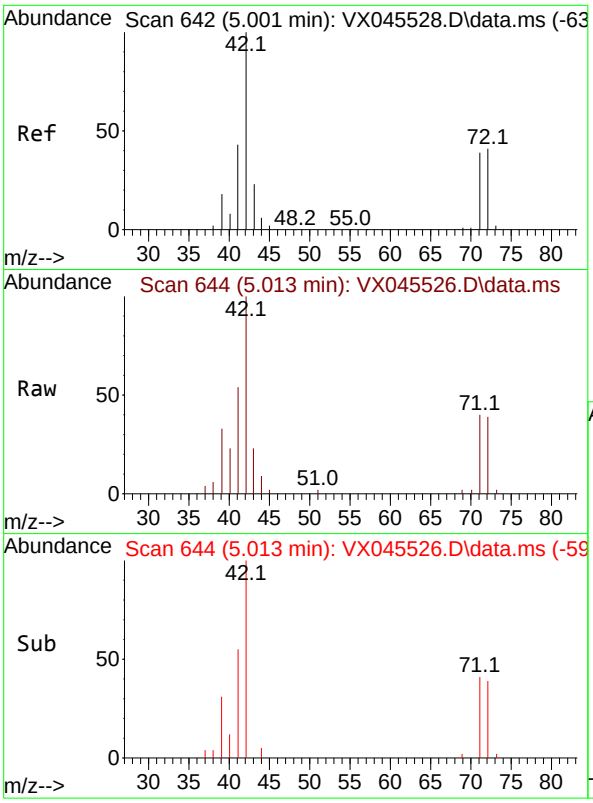


#28
Bromochloromethane
Concen: 4.956 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 49 Resp: 5666

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	72.2	54.6	81.8





#29
Tetrahydrofuran
Concen: 23.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

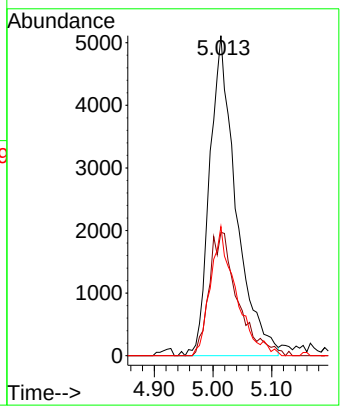
Tgt Ion: 42 Resp: 1591

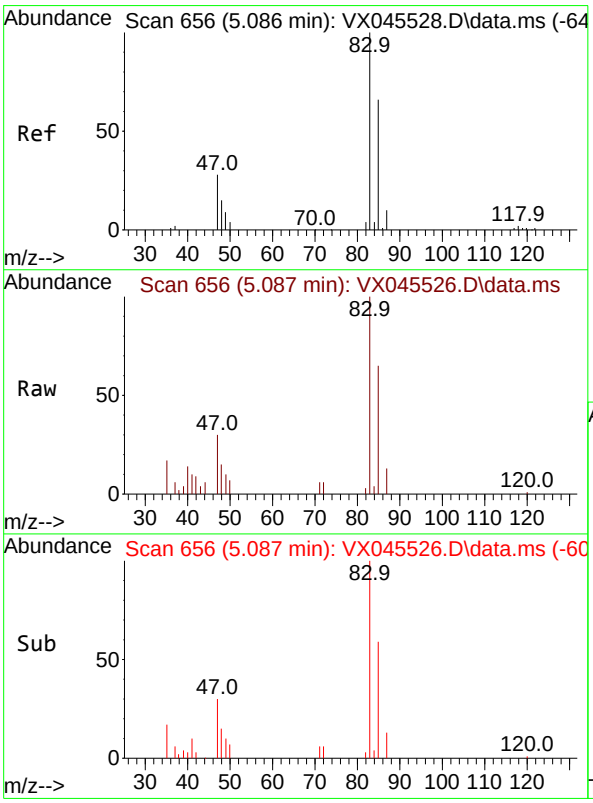
Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.4	50.0
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

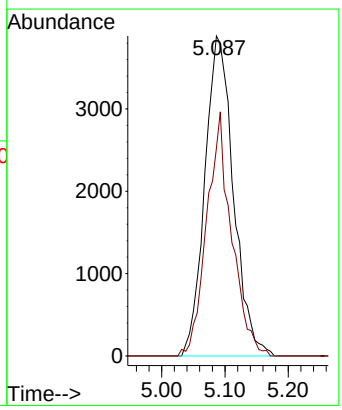


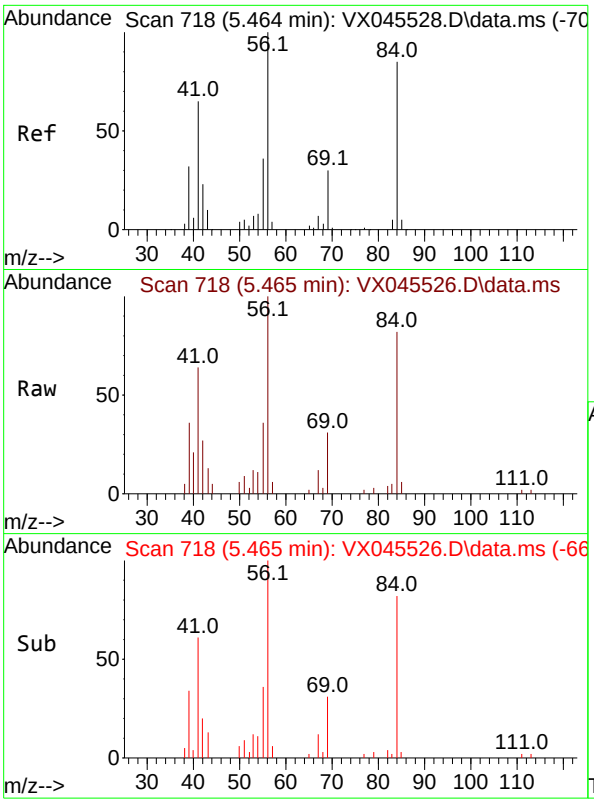


#30
Chloroform
Concen: 5.012 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 83 Resp: 12200

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.8	79.2

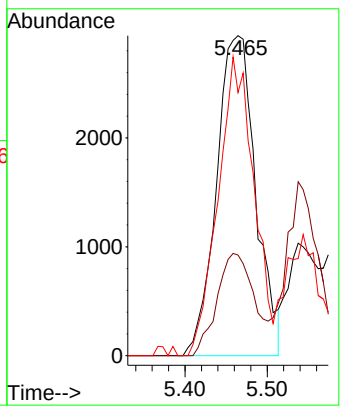




#31
Cyclohexane
Concen: 4.653 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 56 Resp: 973

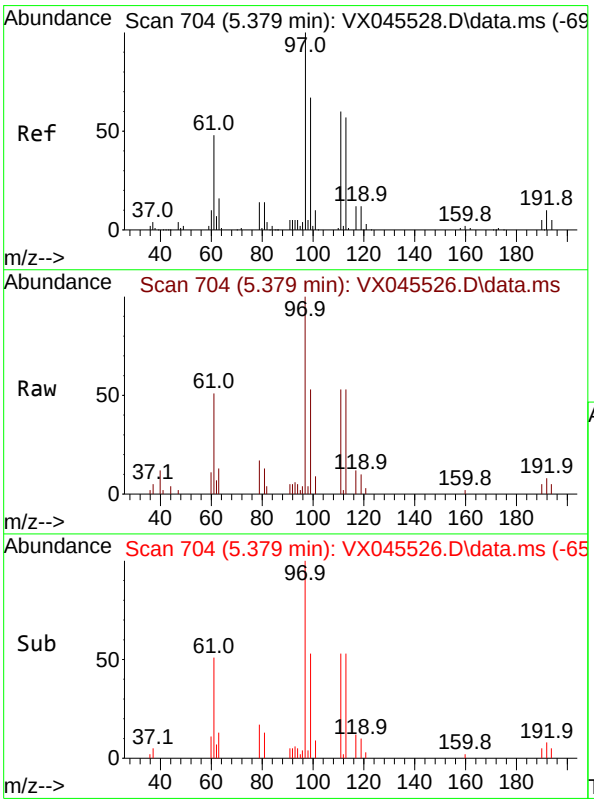
Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.6	35.4
84	82.2	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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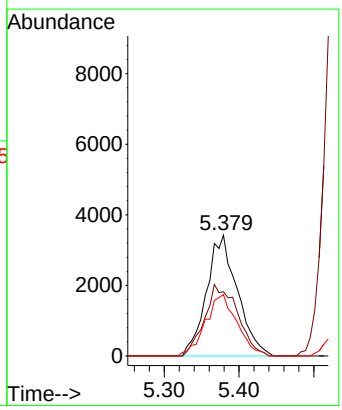
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

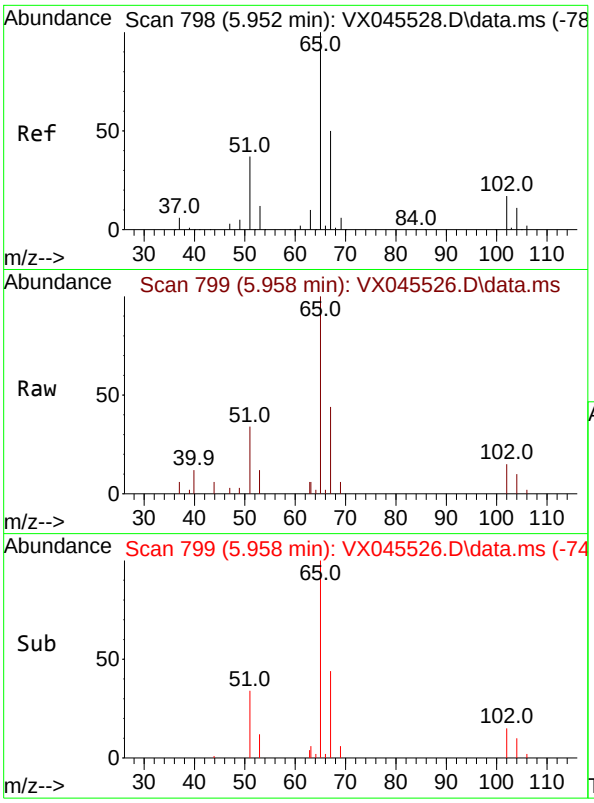


#32
1,1,1-Trichloroethane
Concen: 4.763 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 97 Resp: 9811

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.7	77.5
61	52.0	41.0	61.4

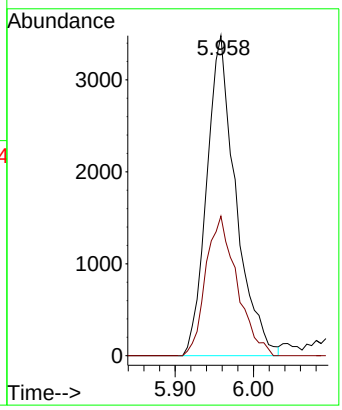




#33
1,2-Dichloroethane-d4
Concen: 5.260 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 65 Resp: 896

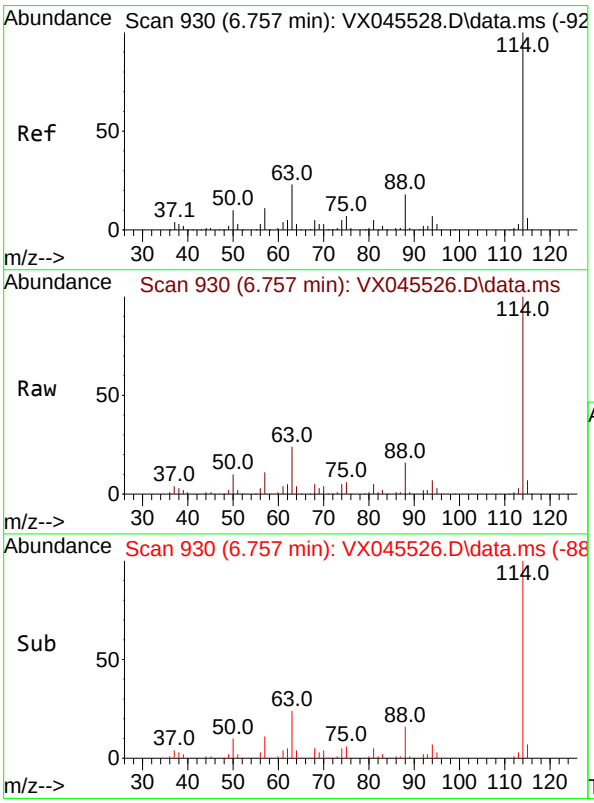
Ion	Ratio	Lower	Upper
65	100		
67	46.7	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

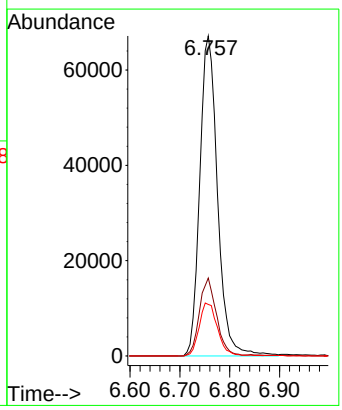
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

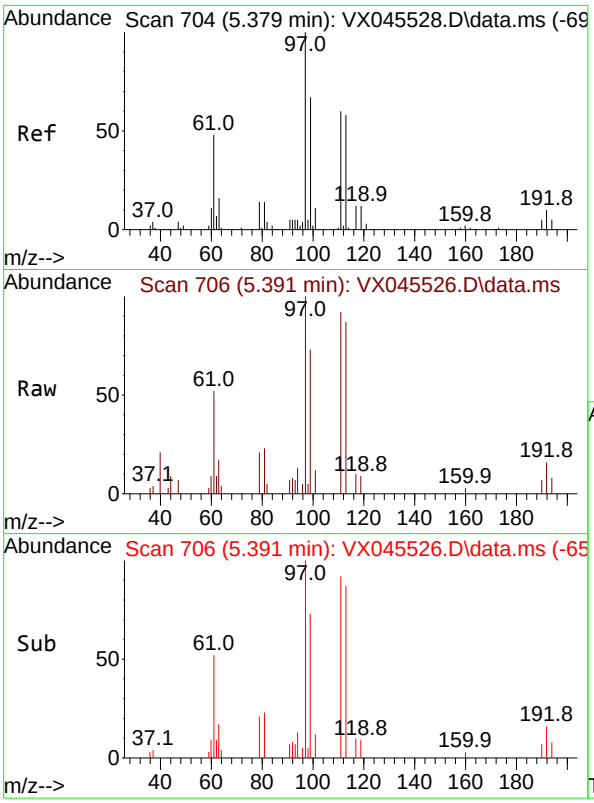


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:114 Resp: 166137

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	46.8
88	16.1	0.0	35.4

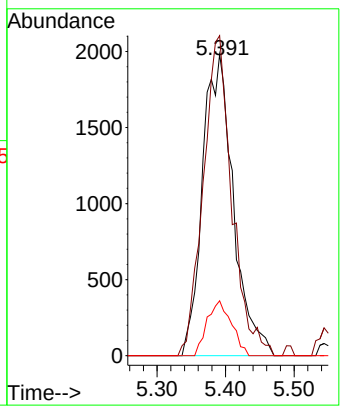




#35
Dibromofluoromethane
Concen: 5.244 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:113 Resp: 618

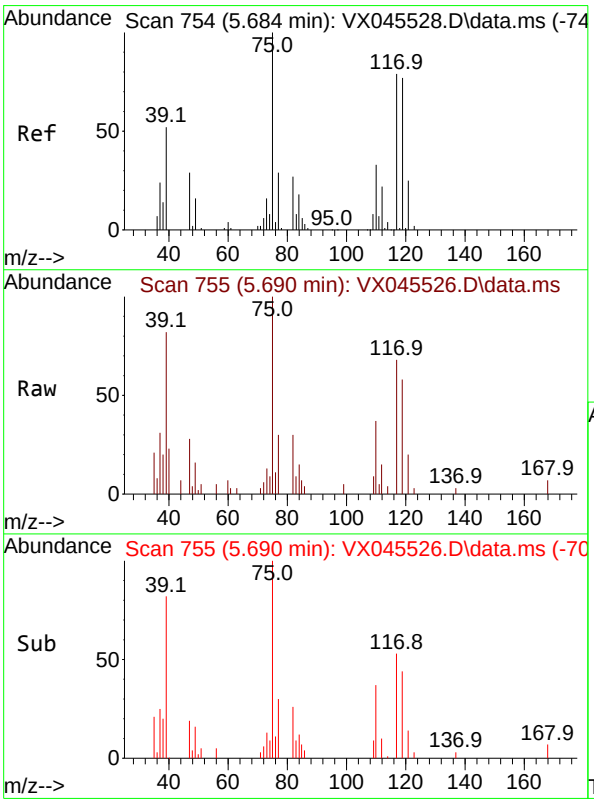
Ion	Ratio	Lower	Upper
113	100		
111	98.8	81.8	122.6
192	14.4	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

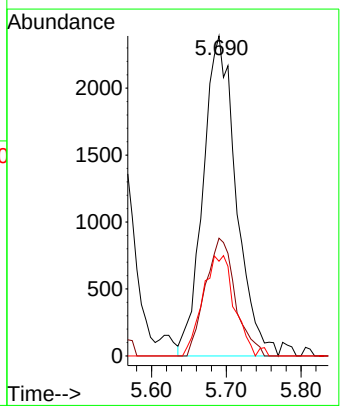
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

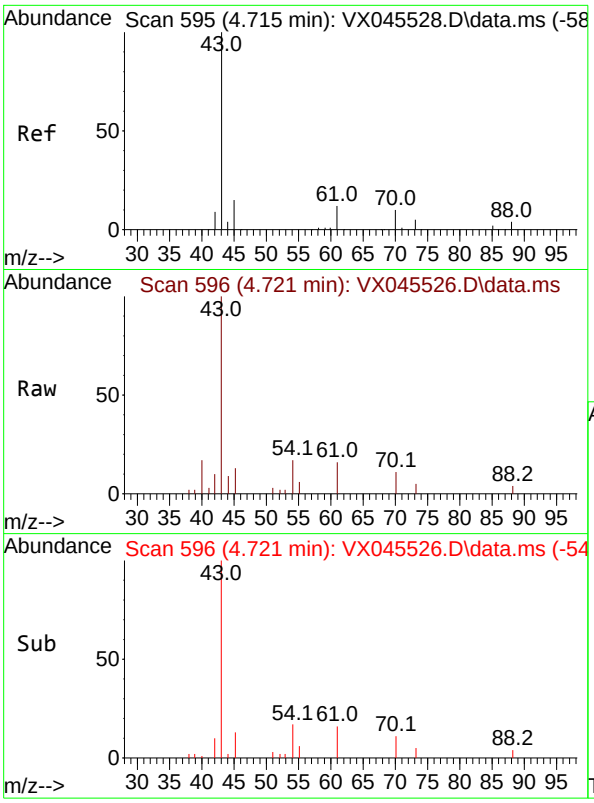


#36
1,1-Dichloropropene
Concen: 4.621 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 7354

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	29.8	25.0	37.4

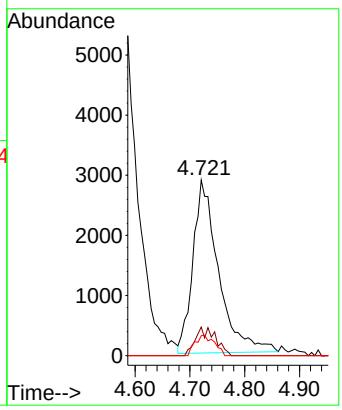




#37
Ethyl Acetate
Concen: 4.679 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 938

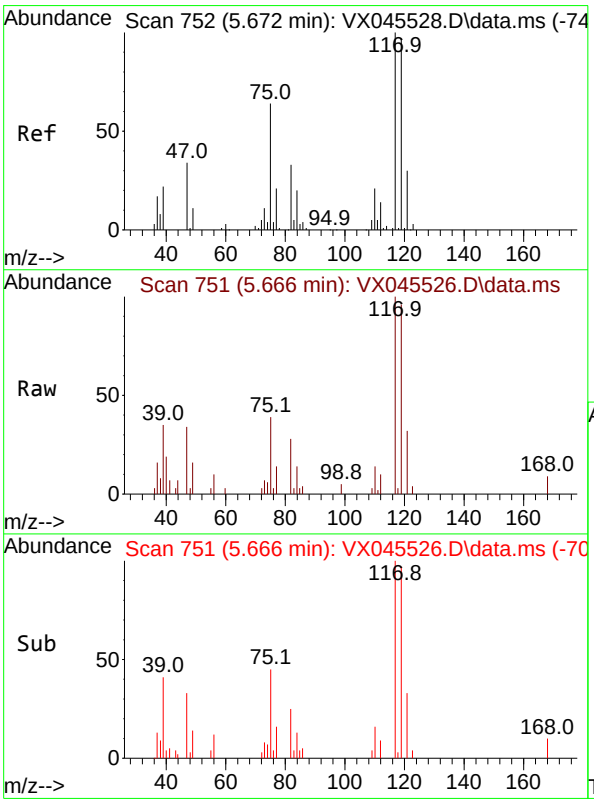
Ion	Ratio	Lower	Upper
43	100		
61	6.3	9.9	14.9
70	8.9	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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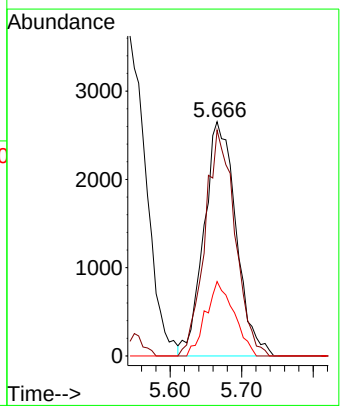
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

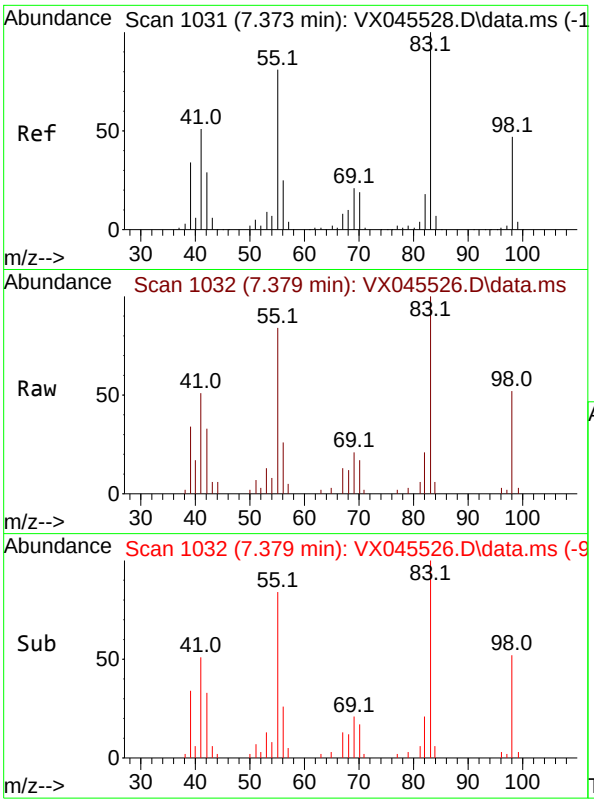


#38
Carbon Tetrachloride
Concen: 4.804 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:117 Resp: 8264

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
121	31.7	24.2	36.2

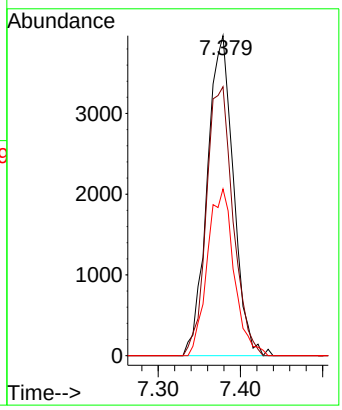




#39
Methylcyclohexane
Concen: 4.489 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 83 Resp: 875

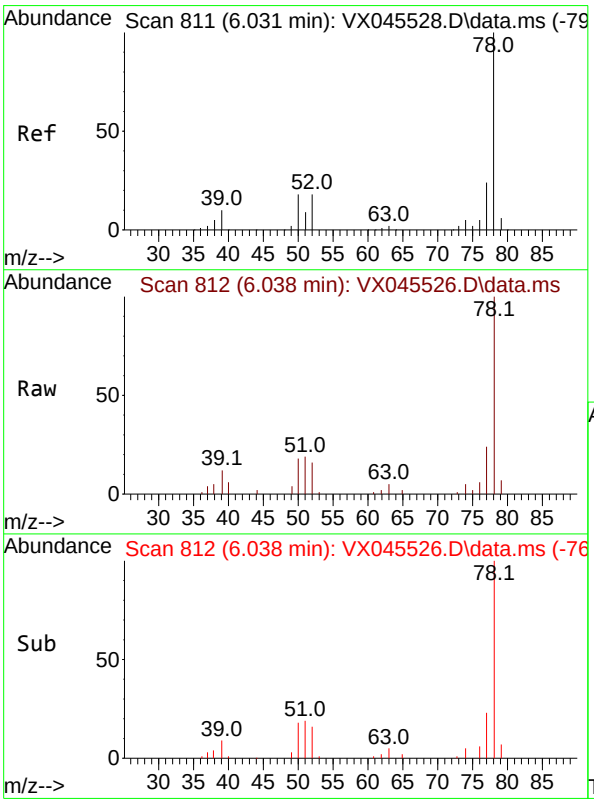
Ion	Ratio	Lower	Upper
83	100		
55	84.0	64.9	97.3
98	52.1	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

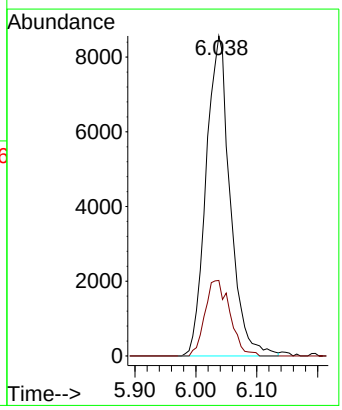
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

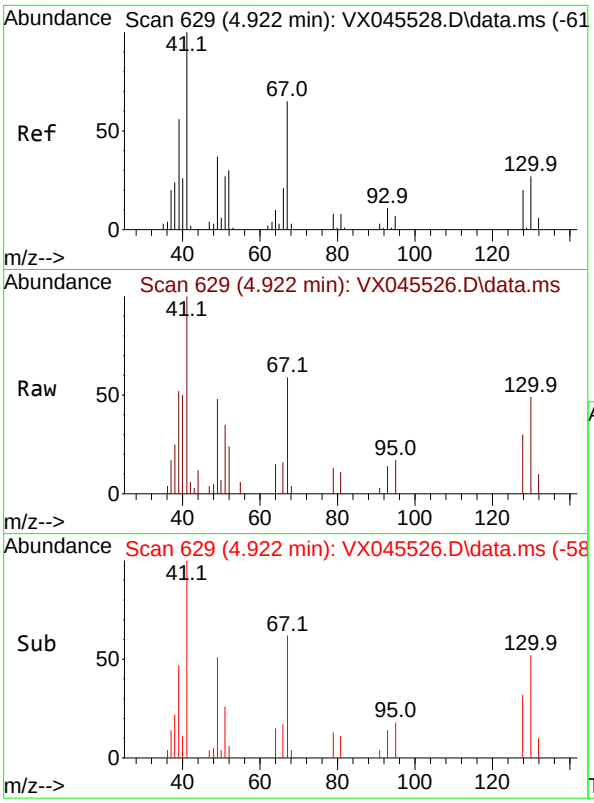


#40
Benzene
Concen: 4.839 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 78 Resp: 23522

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6

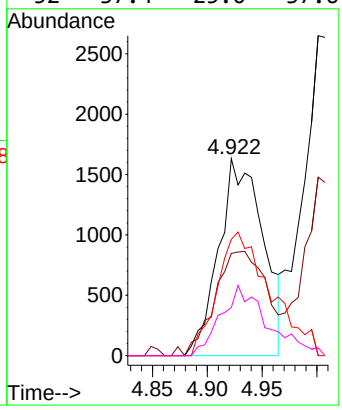




#41
Methacrylonitrile
Concen: 4.302 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 41 Resp: 459

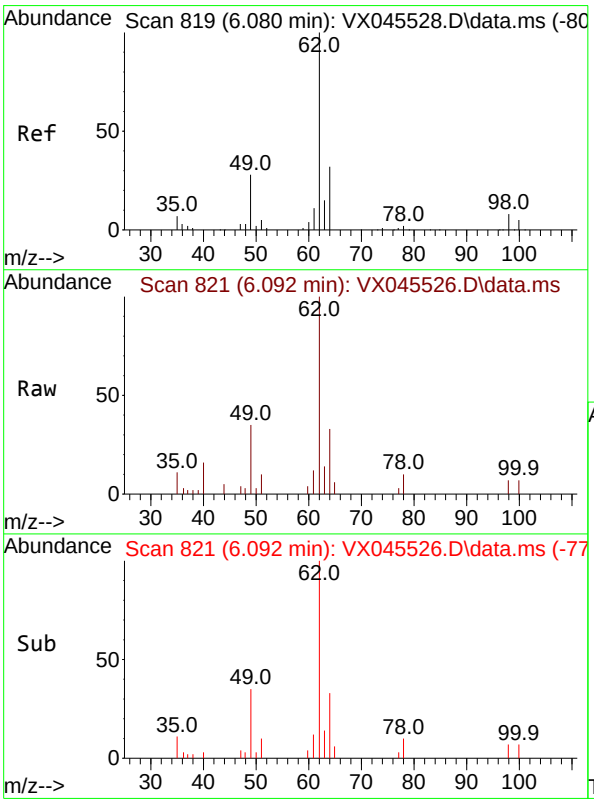
Ion	Ratio	Lower	Upper
41	100		
39	61.4	47.0	70.6
67	75.2	53.2	79.8
52	37.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

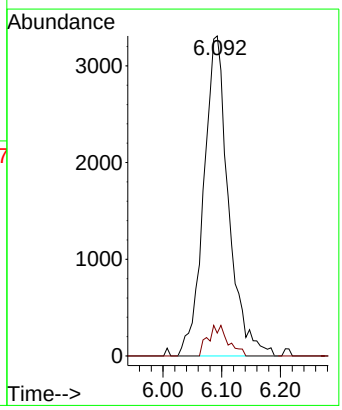
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

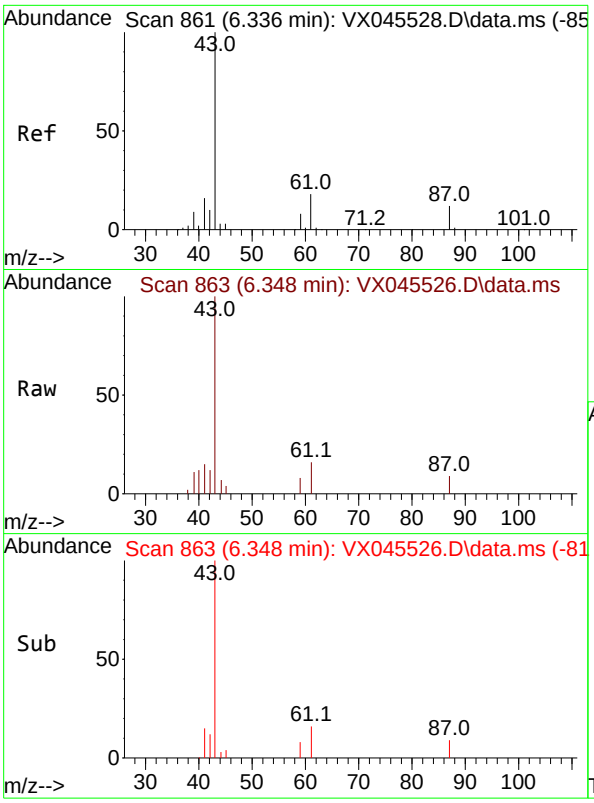


#42
1,2-Dichloroethane
Concen: 4.838 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 62 Resp: 9713

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.2





#43
Isopropyl Acetate
Concen: 4.541 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

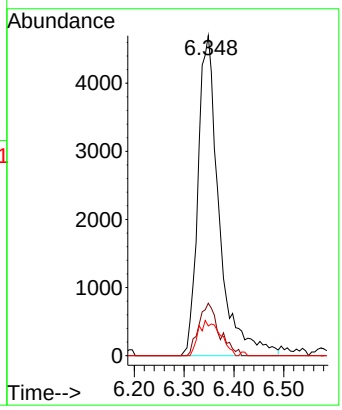
Tgt Ion: 43 Resp: 1380

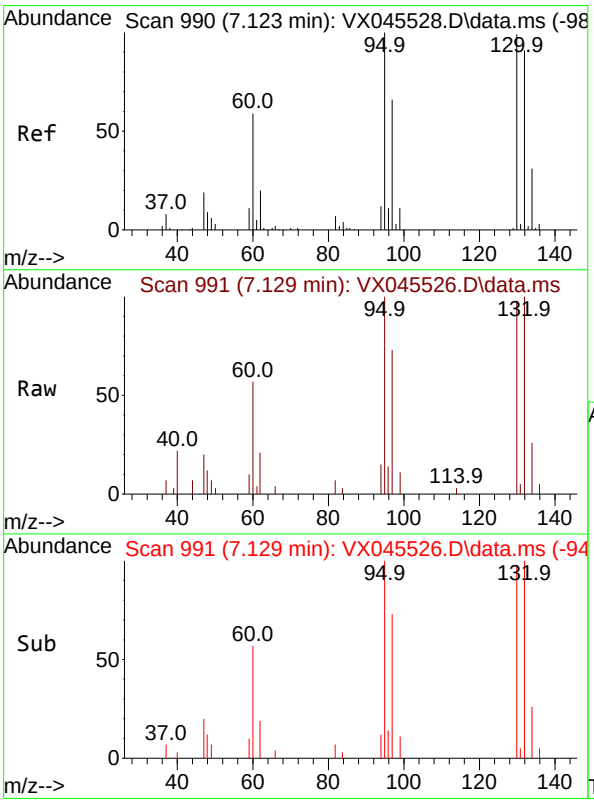
Ion	Ratio	Lower	Upper
43	100		
61	15.8	14.1	21.1
87	11.3	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

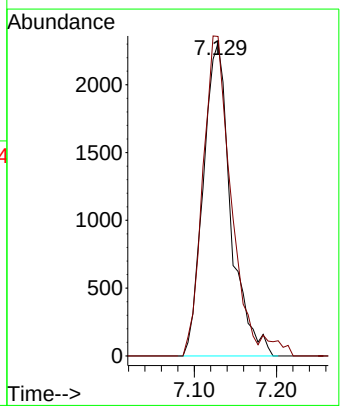


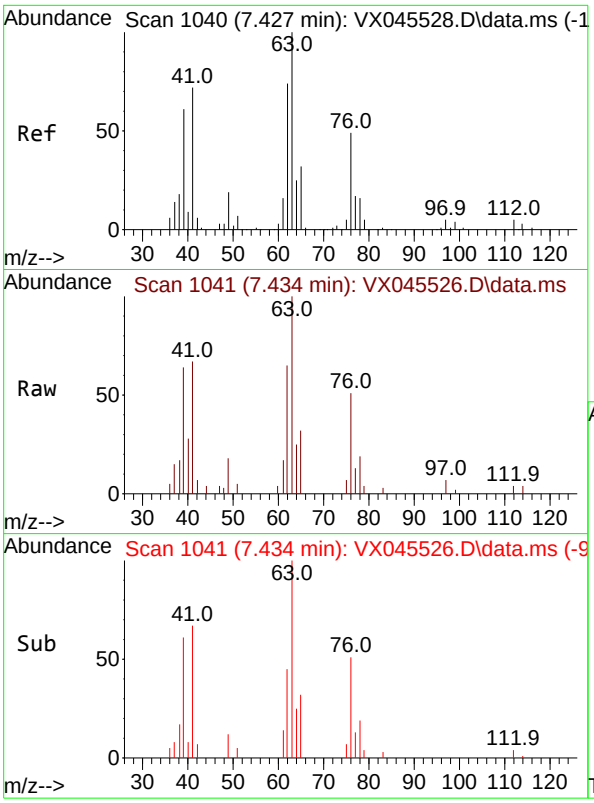


#44
Trichloroethene
Concen: 4.635 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:130 Resp: 5355

Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	202.0

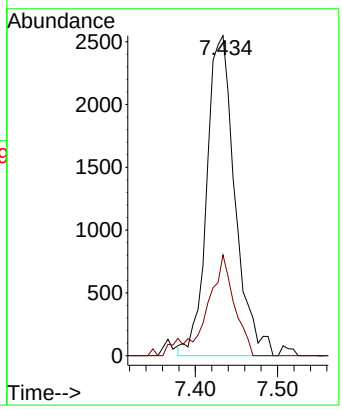




#45
1,2-Dichloropropane
Concen: 4.997 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 63 Resp: 606

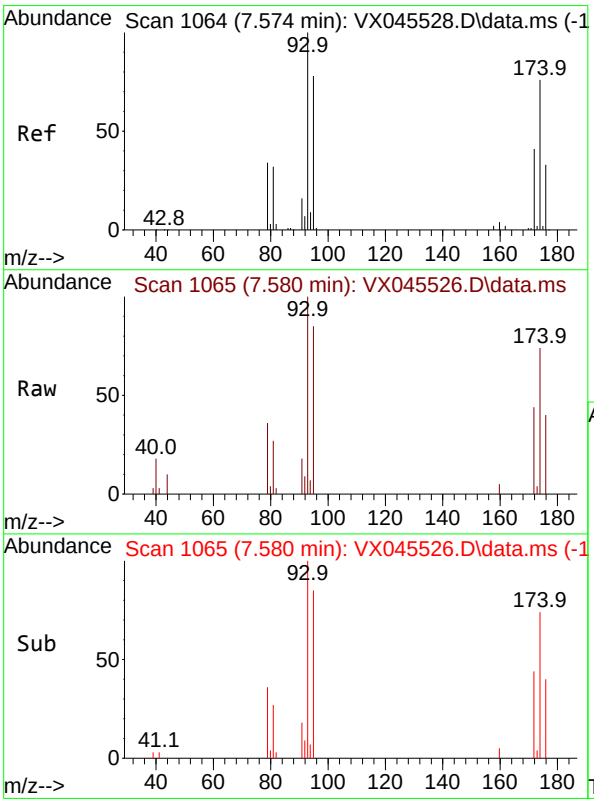
Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

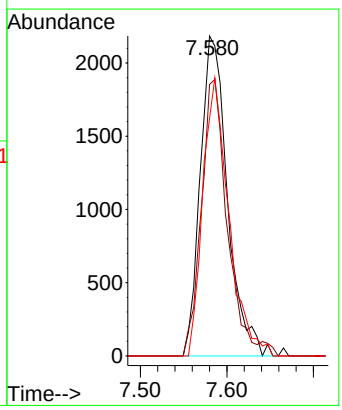
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

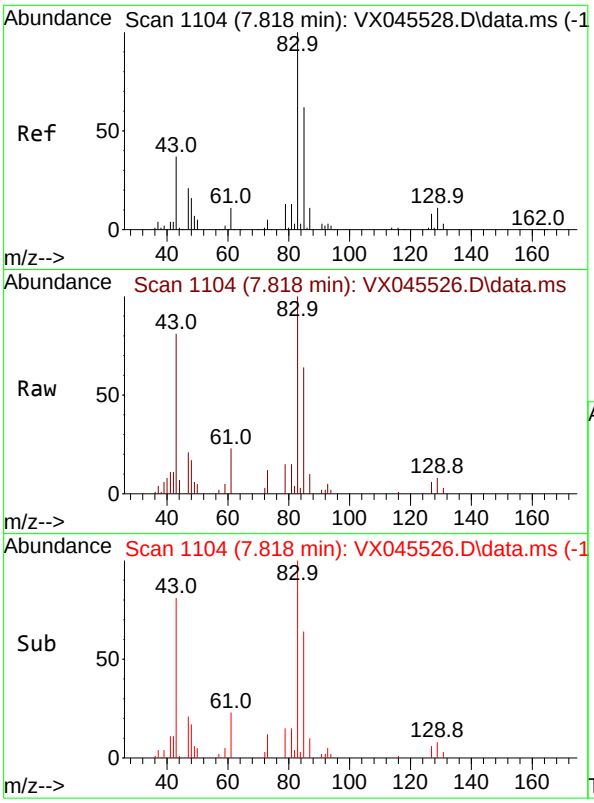


#46
Dibromomethane
Concen: 5.120 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 93 Resp: 4767

Ion	Ratio	Lower	Upper
93	100		
95	81.0	64.8	97.2
174	83.1	65.4	98.0

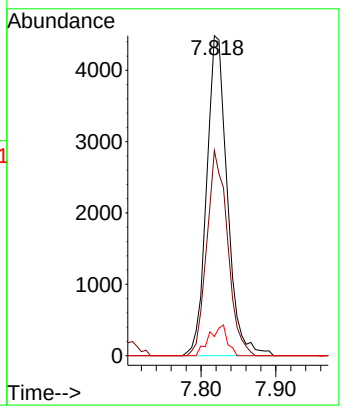




#47
Bromodichloromethane
Concen: 4.636 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 83 Resp: 861

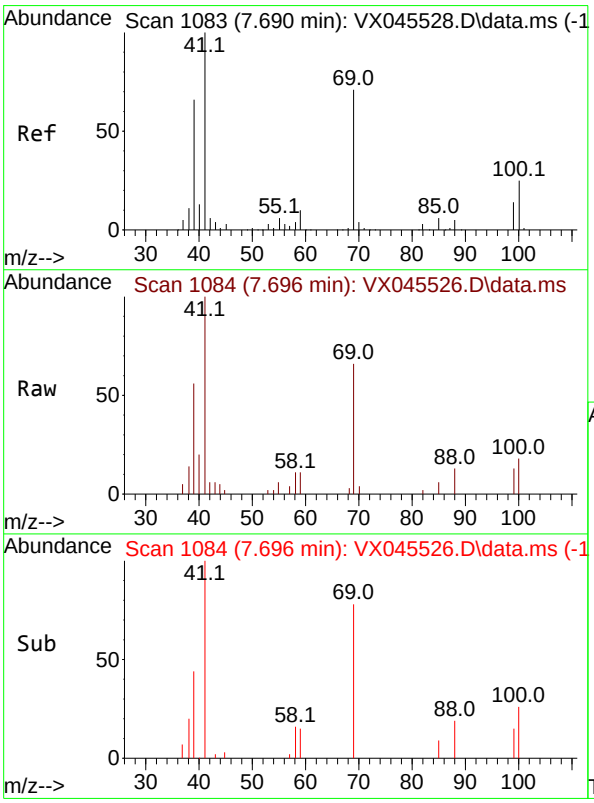
Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.7	74.5
127	6.0	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

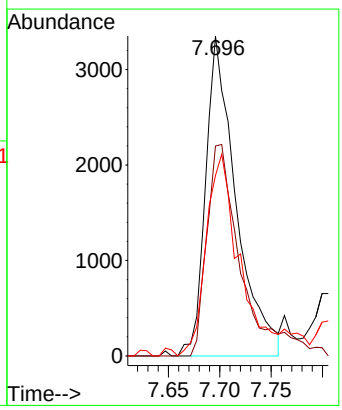
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

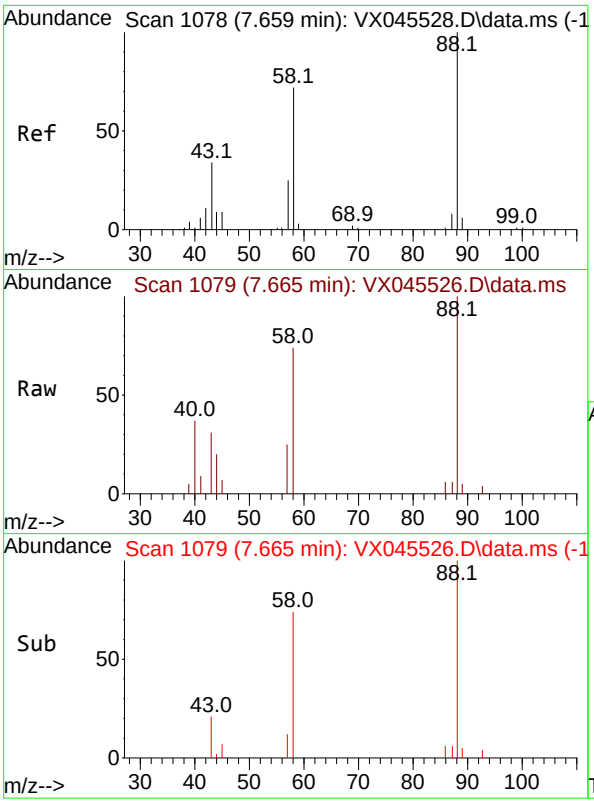


#48
Methyl methacrylate
Concen: 4.401 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 41 Resp: 6908

Ion	Ratio	Lower	Upper
41	100		
69	74.6	58.2	87.2
39	68.3	53.6	80.4

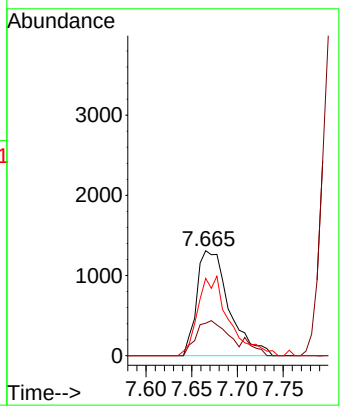




#49
1,4-Dioxane
Concen: 112.864 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 88 Resp: 320

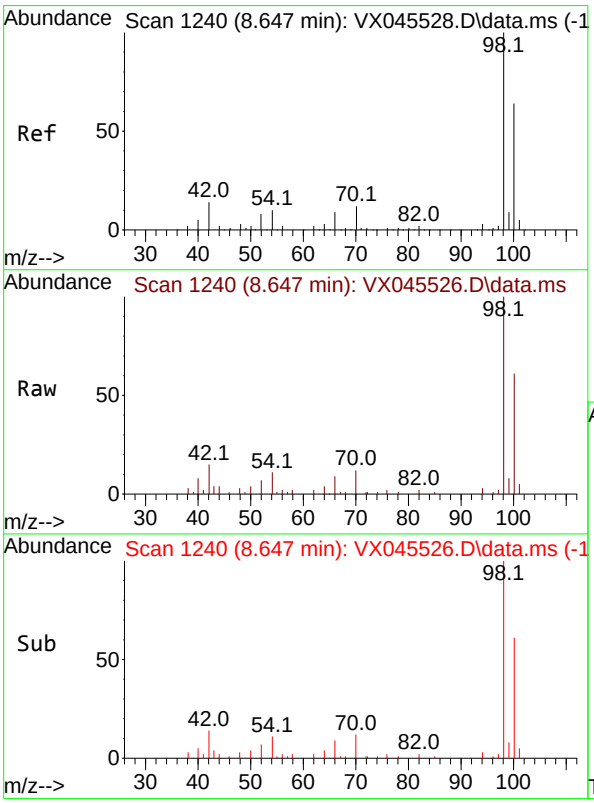
Ion	Ratio	Lower	Upper
88	100		
43	32.4	32.2	48.4
58	72.7	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

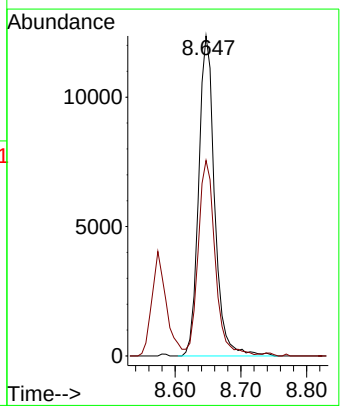
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

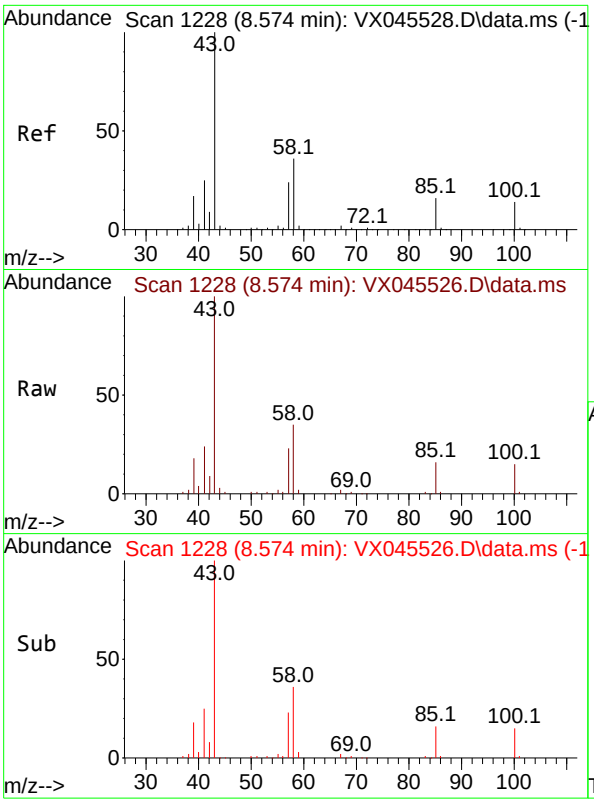


#50
Toluene-d8
Concen: 5.077 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 98 Resp: 20890

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.2	78.4

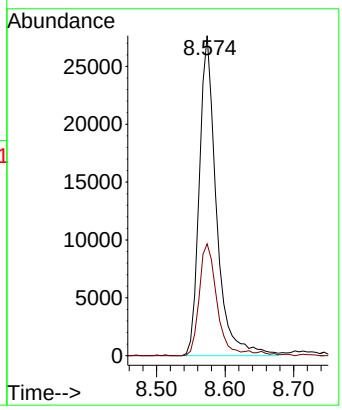




#51
4-Methyl-2-Pentanone
Concen: 23.844 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 4805

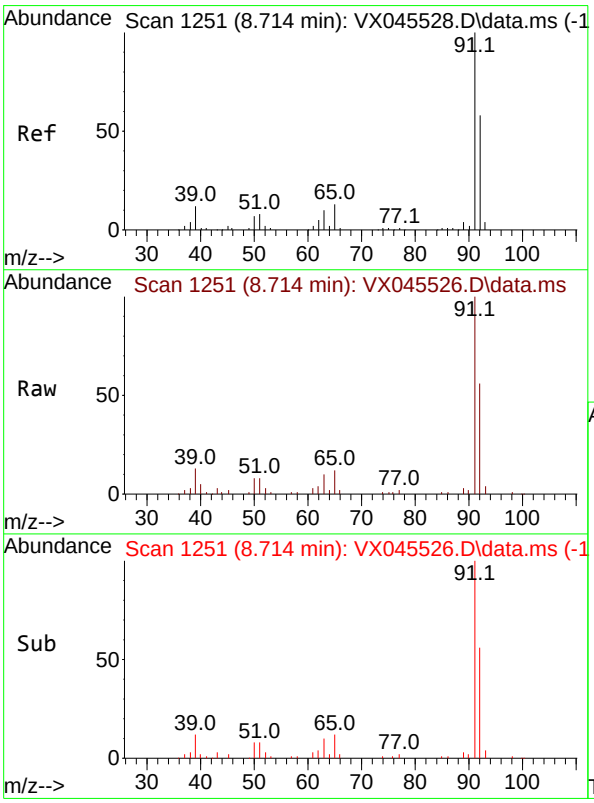
Ion	Ratio	Lower	Upper
43	100		
58	37.3	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

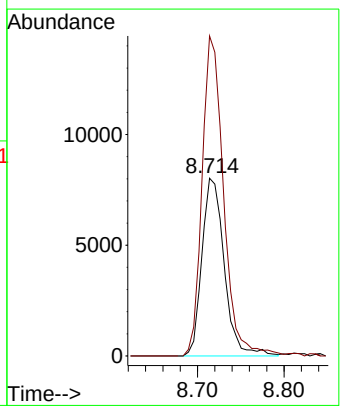
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

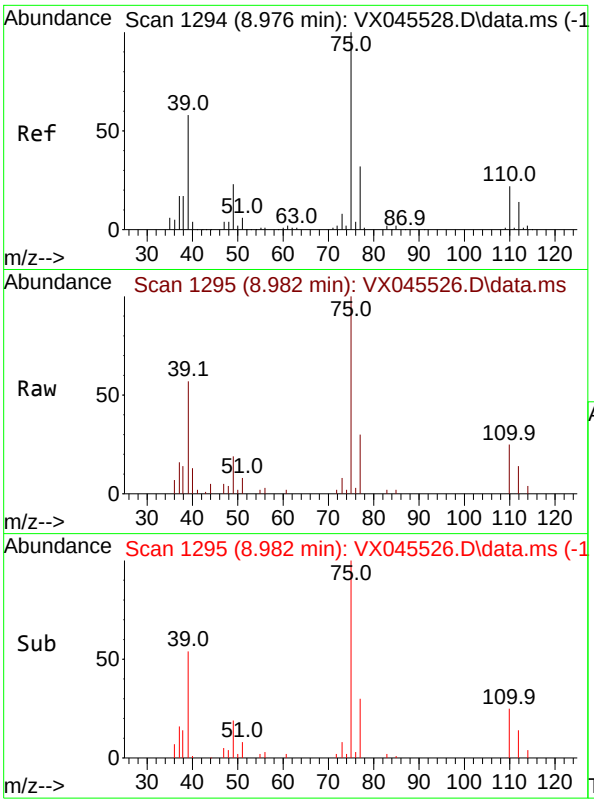


#52
Toluene
Concen: 4.893 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 92 Resp: 14391

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.7	208.1

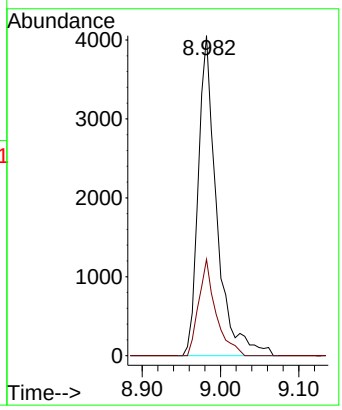




#53
t-1,3-Dichloropropene
Concen: 5.834 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 664

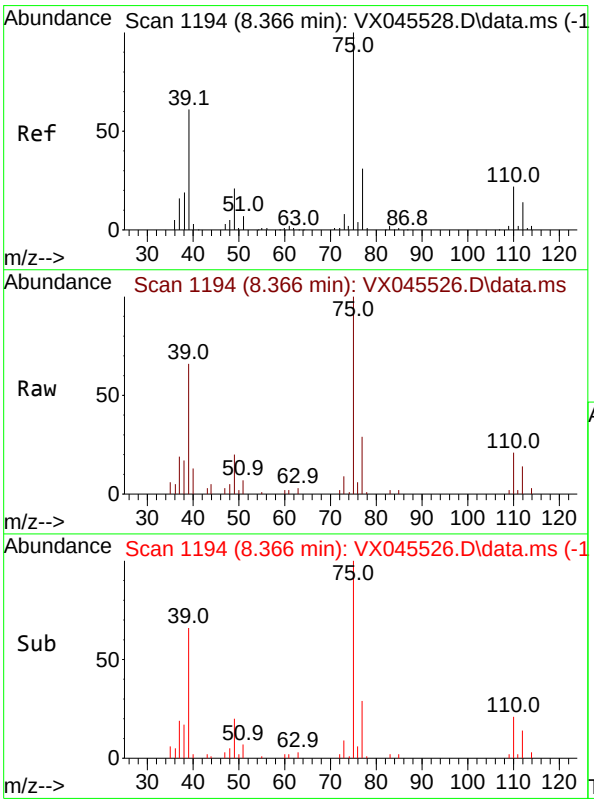
Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

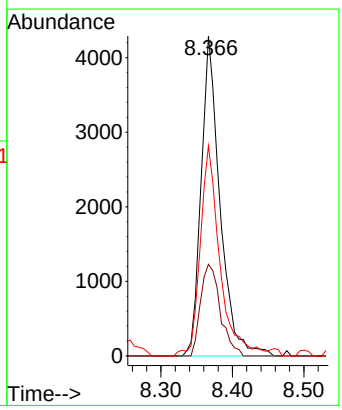
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

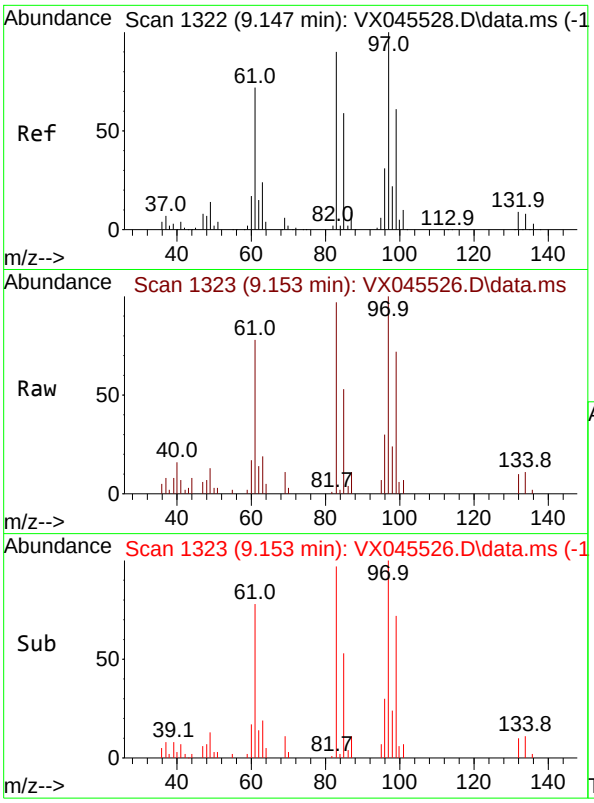


#54
cis-1,3-Dichloropropene
Concen: 4.506 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 7873

Ion	Ratio	Lower	Upper
75	100		
77	28.6	24.6	36.8
39	64.4	48.4	72.6

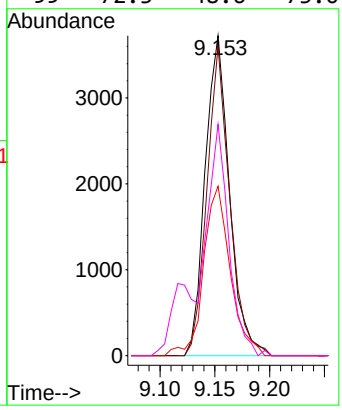




#55
1,1,2-Trichloroethane
Concen: 4.898 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 97 Resp: 574

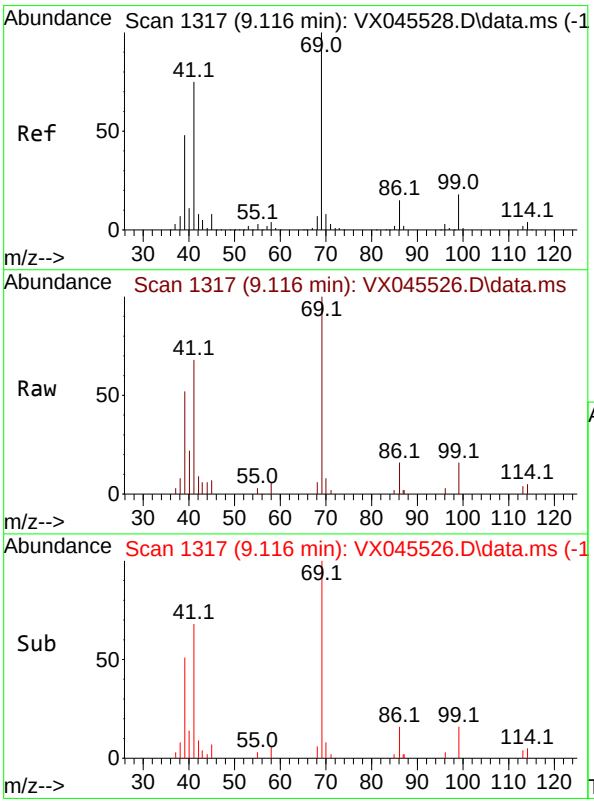
Ion	Ratio	Lower	Upper
97	100		
83	96.8	71.8	107.8
85	52.9	47.0	70.6
99	72.3	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

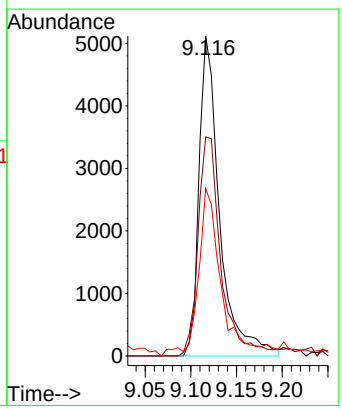
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

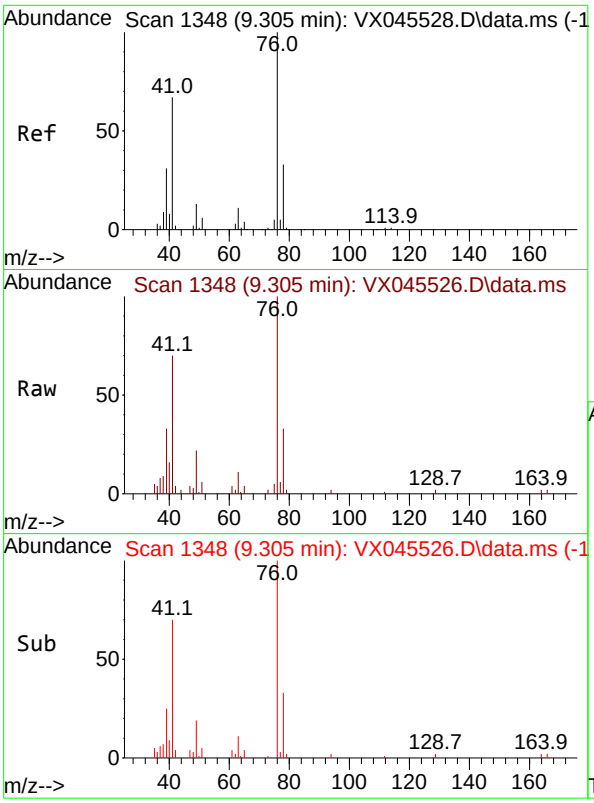


#56
Ethyl methacrylate
Concen: 4.417 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 69 Resp: 8012

Ion	Ratio	Lower	Upper
69	100		
41	75.8	61.3	91.9
39	58.5	40.2	60.2

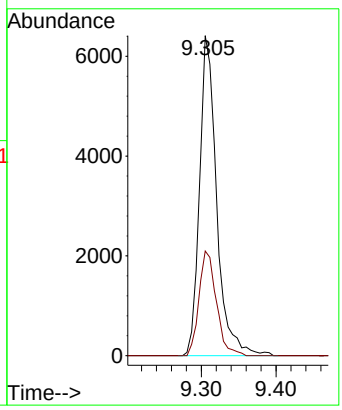




#57
1,3-Dichloropropane
Concen: 5.002 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 76 Resp: 1020

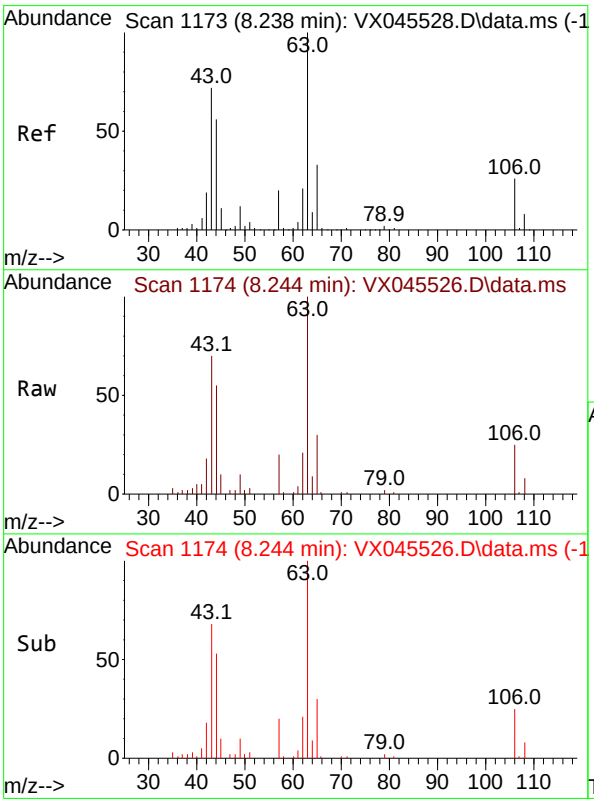
Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

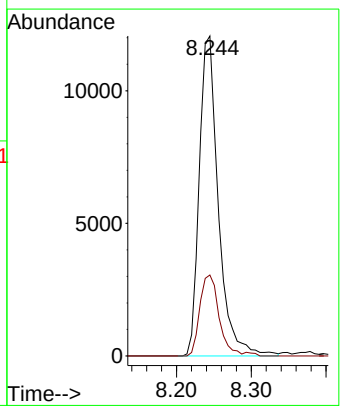
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

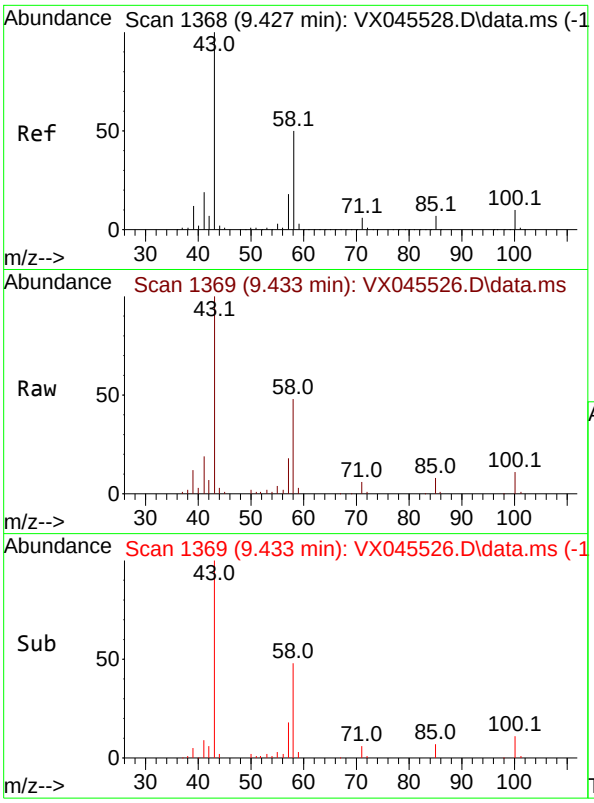


#58
2-Chloroethyl Vinyl ether
Concen: 23.302 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 63 Resp: 21382

Ion	Ratio	Lower	Upper
63	100		
106	25.8	21.0	31.6

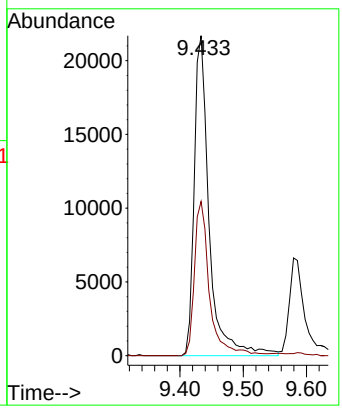




#59
2-Hexanone
Concen: 23.875 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 3562

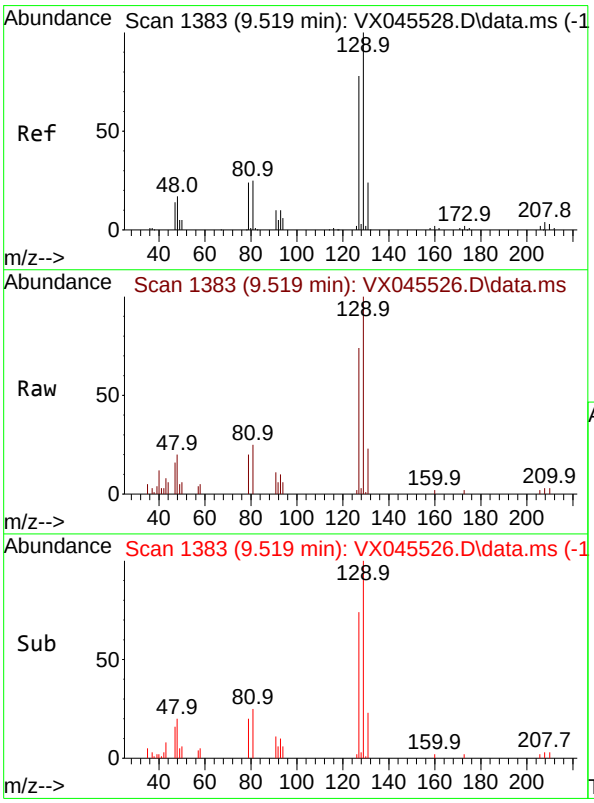
Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

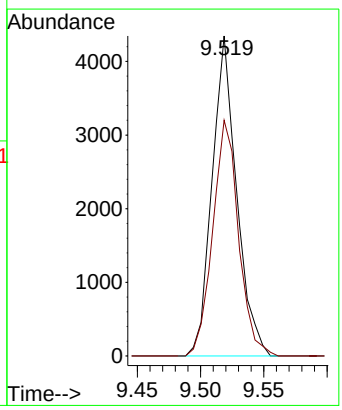
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

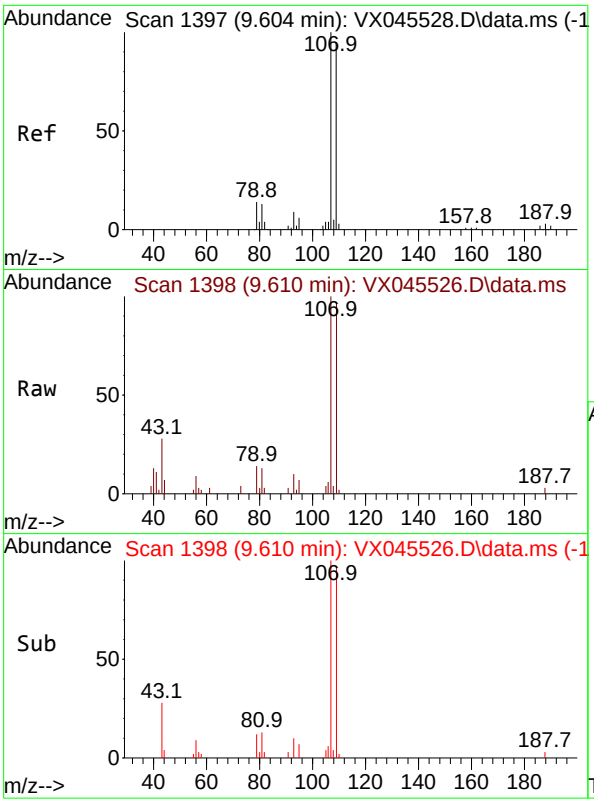


#60
Dibromochloromethane
Concen: 4.582 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:129 Resp: 5855

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.4	118.2

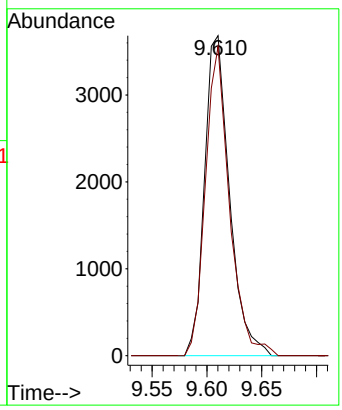




#61
1,2-Dibromoethane
Concen: 4.920 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:107 Resp: 583

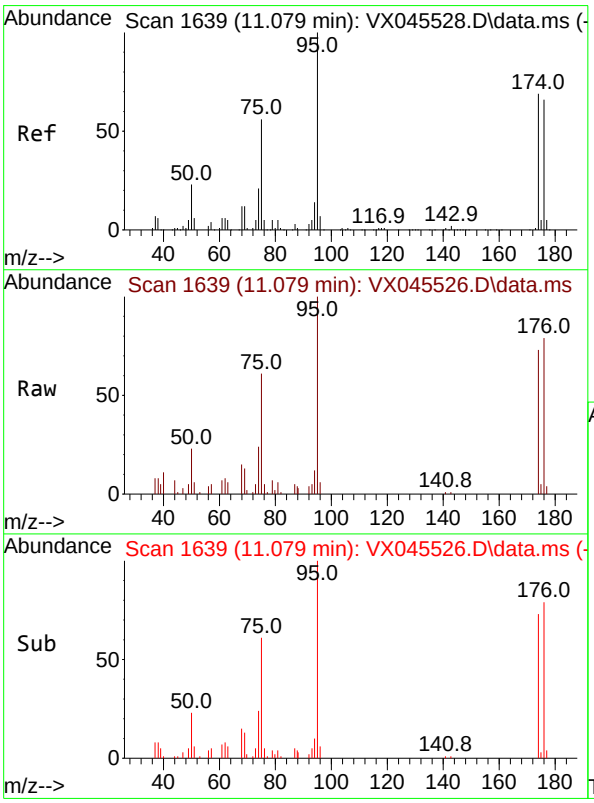
Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

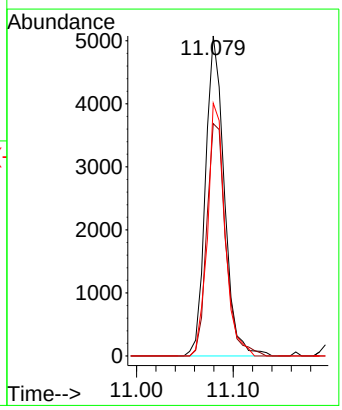
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

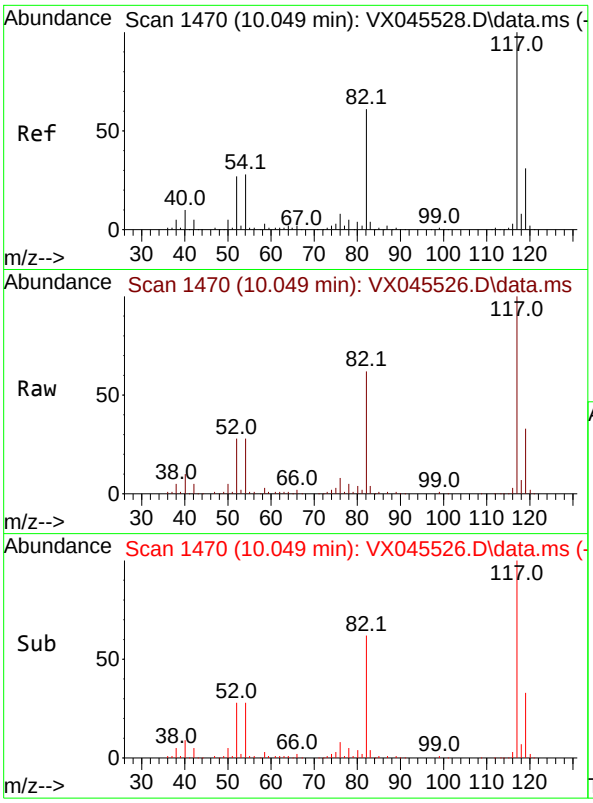


#62
4-Bromofluorobenzene
Concen: 4.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 95 Resp: 6867

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	135.8
176	73.3	0.0	131.4

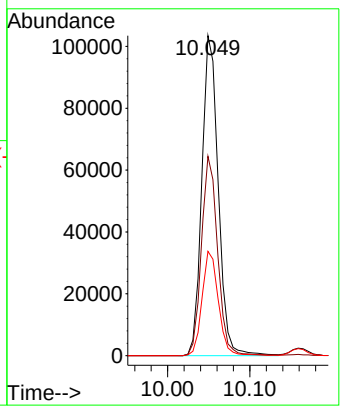




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:117 Resp: 14393

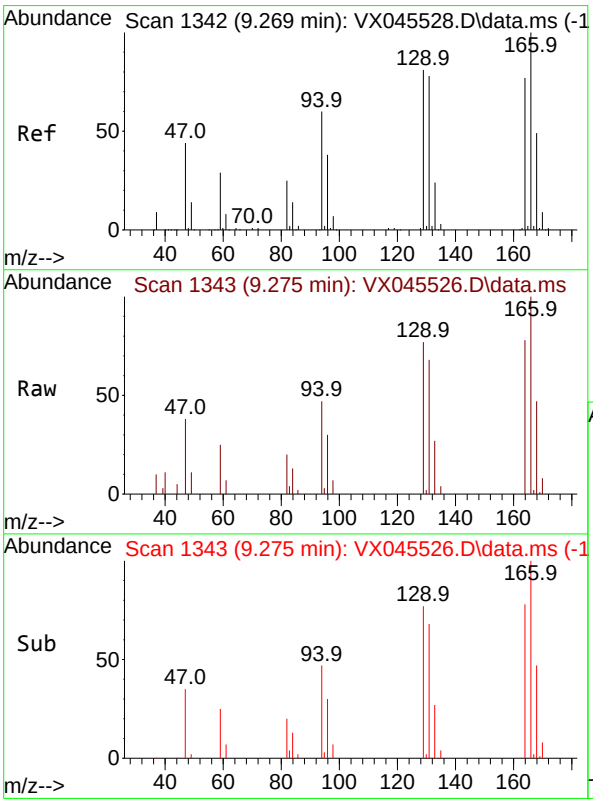
Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.2	73.8
119	32.6	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

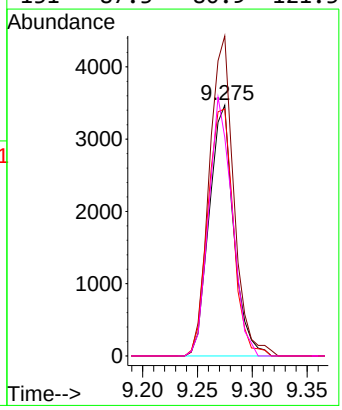
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

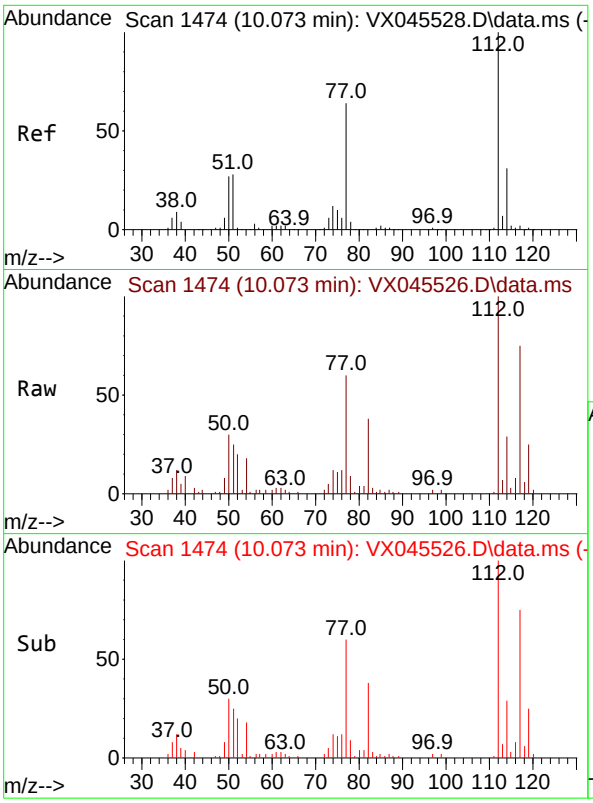


#64
Tetrachloroethene
Concen: 5.287 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:164 Resp: 5373

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.8	155.8
129	98.6	84.3	126.5
131	87.3	80.9	121.3

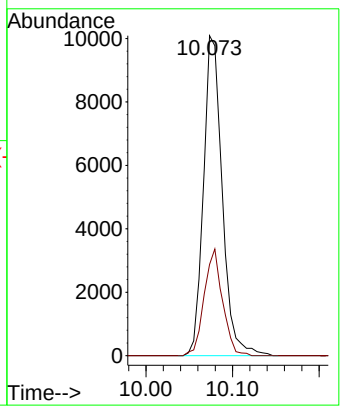




#65
Chlorobenzene
Concen: 4.935 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:112 Resp: 1517

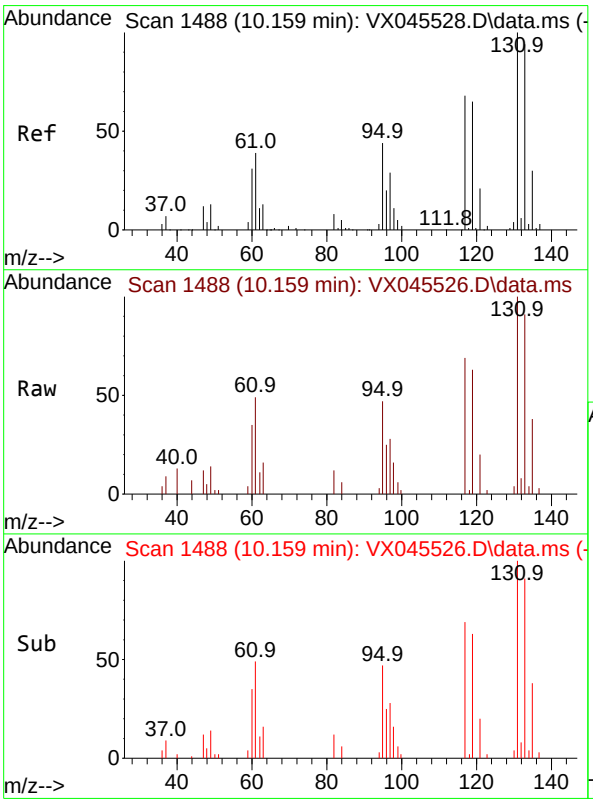
Ion	Ratio	Lower	Upper
112	100		
114	28.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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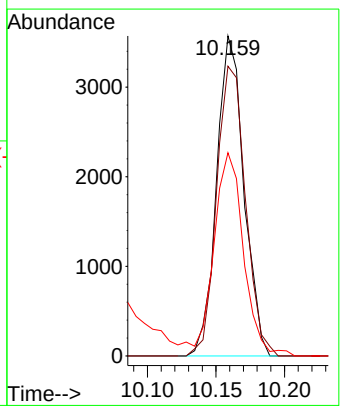
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

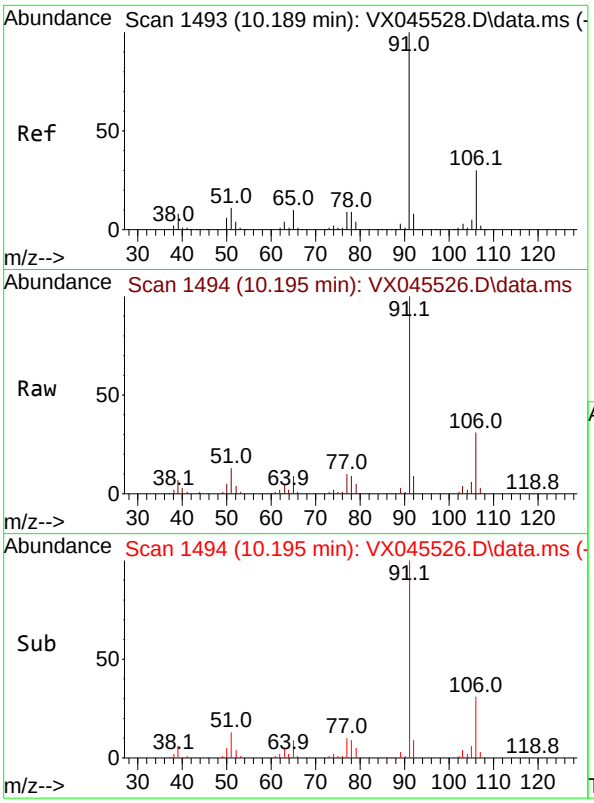


#66
1,1,1,2-Tetrachloroethane
Concen: 4.631 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:131 Resp: 4945

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.5	142.5
119	70.0	32.9	98.6

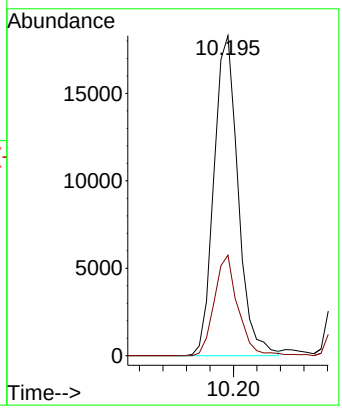




#67
Ethyl Benzene
Concen: 4.753 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 2618

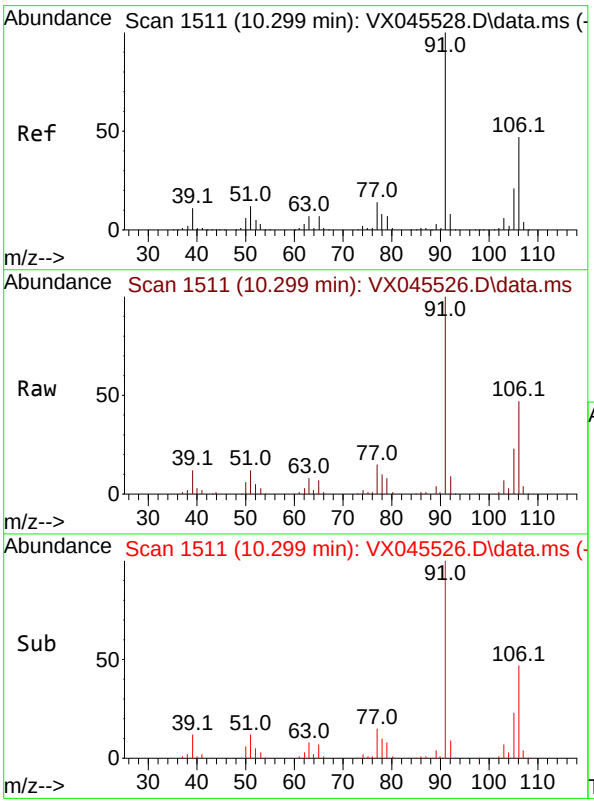
Ion	Ratio	Lower	Upper
91	100		
106	31.4	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

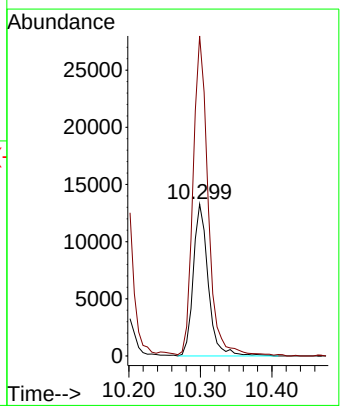
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

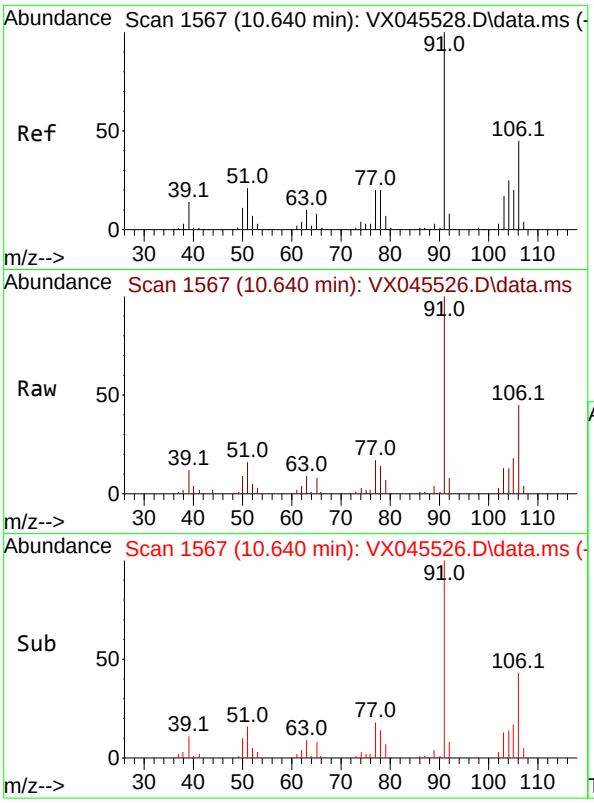


#68
m/p-Xylenes
Concen: 9.617 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:106 Resp: 19268

Ion	Ratio	Lower	Upper
106	100		
91	213.6	172.6	258.8

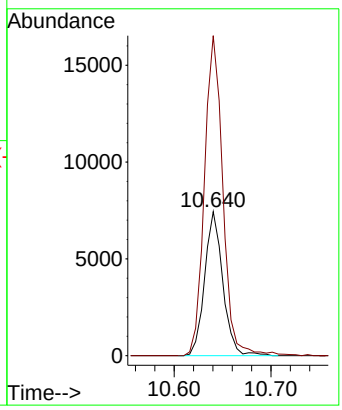




#69
o-Xylene
Concen: 4.932 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:106 Resp: 973

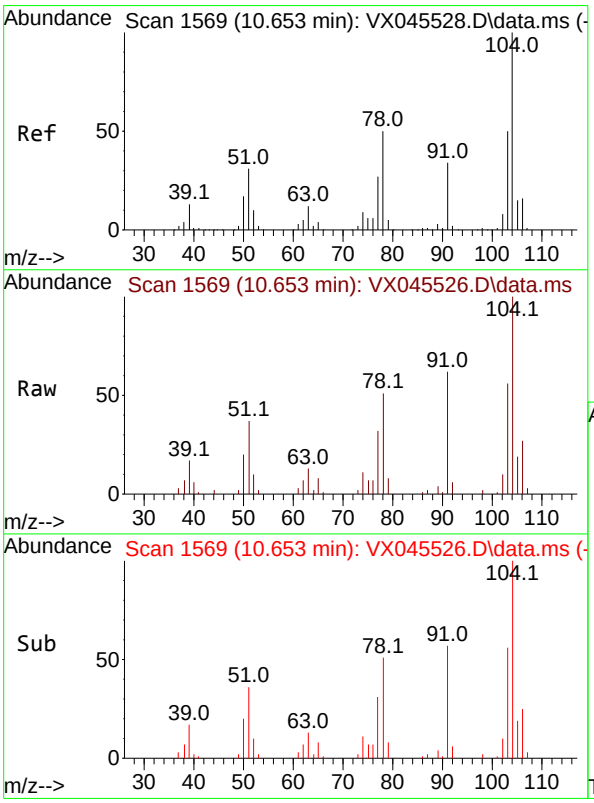
Ion	Ratio	Lower	Upper
106	100		
91	225.8	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

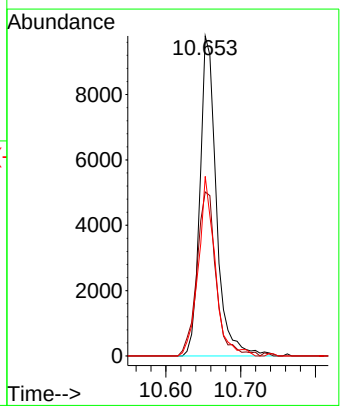
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

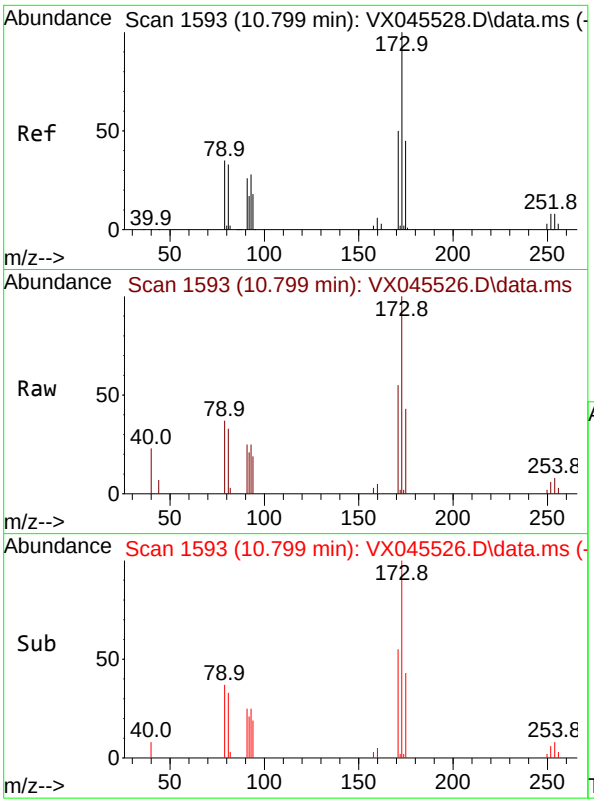


#70
Styrene
Concen: 4.610 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:104 Resp: 15017

Ion	Ratio	Lower	Upper
104	100		
78	59.8	45.4	68.2
103	57.1	43.8	65.8

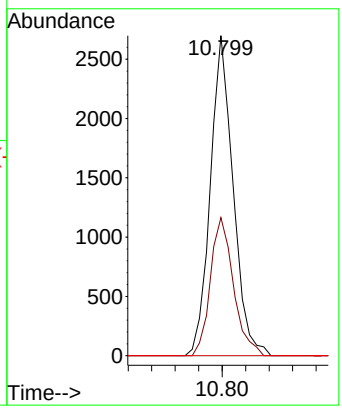




#71
Bromoform
Concen: 4.558 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:173 Resp: 363

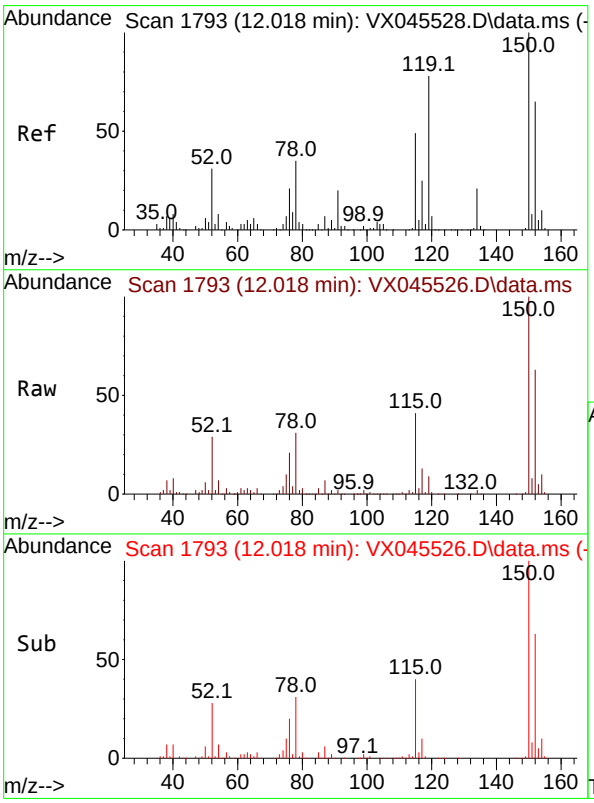
Ion	Ratio	Lower	Upper
173	100		
175	43.7	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

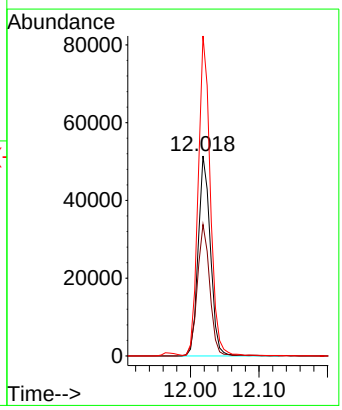
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

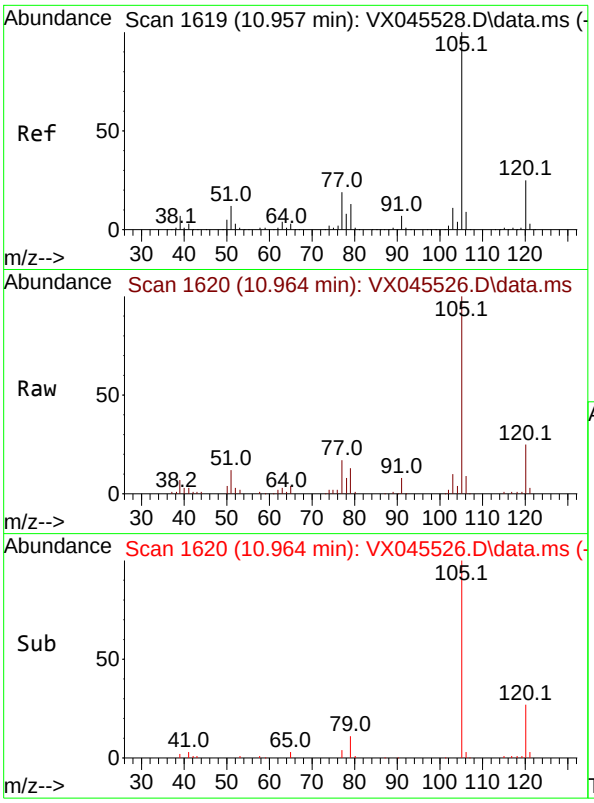


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:152 Resp: 63909

Ion	Ratio	Lower	Upper
152	100		
115	66.5	46.9	140.7
150	157.5	0.0	349.4





#73
Isopropylbenzene
Concen: 4.806 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

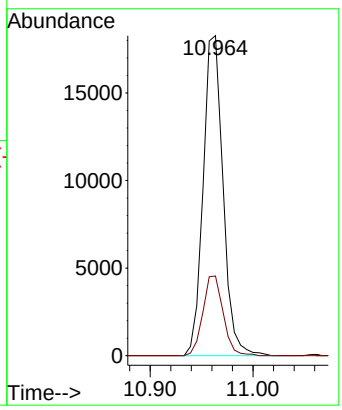
Tgt Ion:105 Resp: 2460

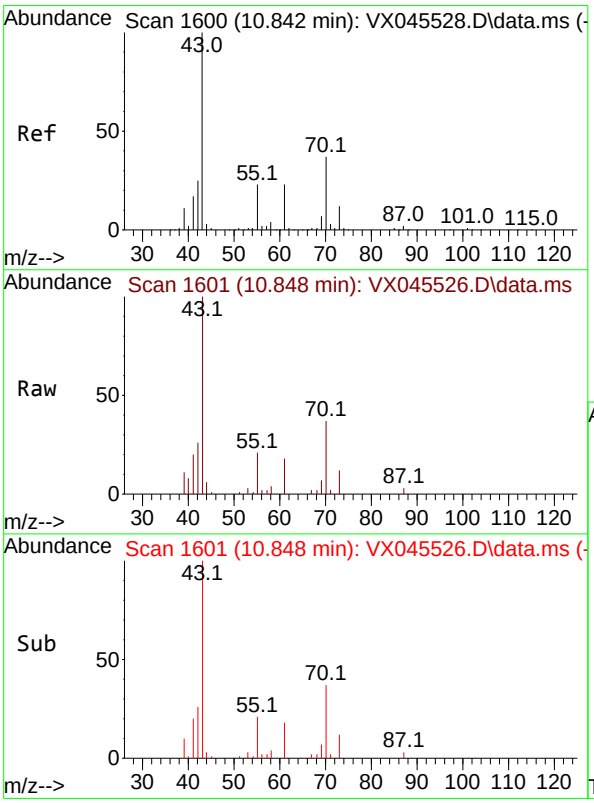
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

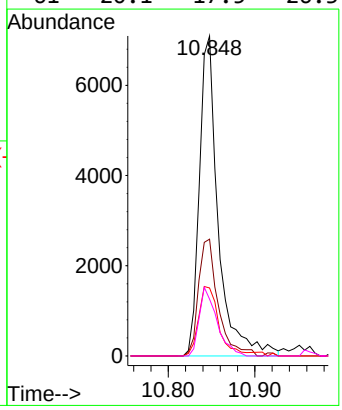


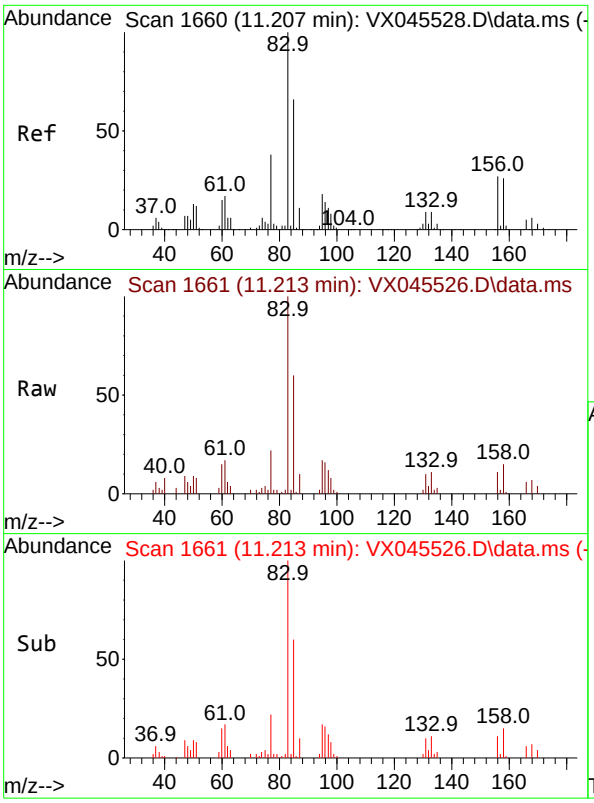


#74
N-amyl acetate
Concen: 4.390 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 10750

Ion	Ratio	Lower	Upper
43	100		
70	37.8	30.1	45.1
55	23.0	18.3	27.5
61	20.1	17.5	26.3

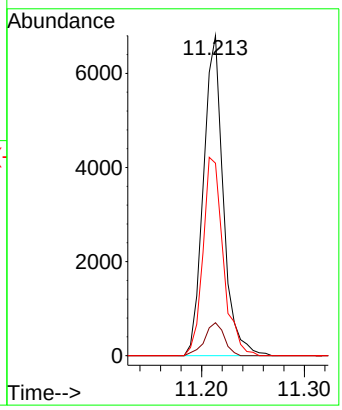




#75
1,1,2,2-Tetrachloroethane
Concen: 5.075 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 83 Resp: 912

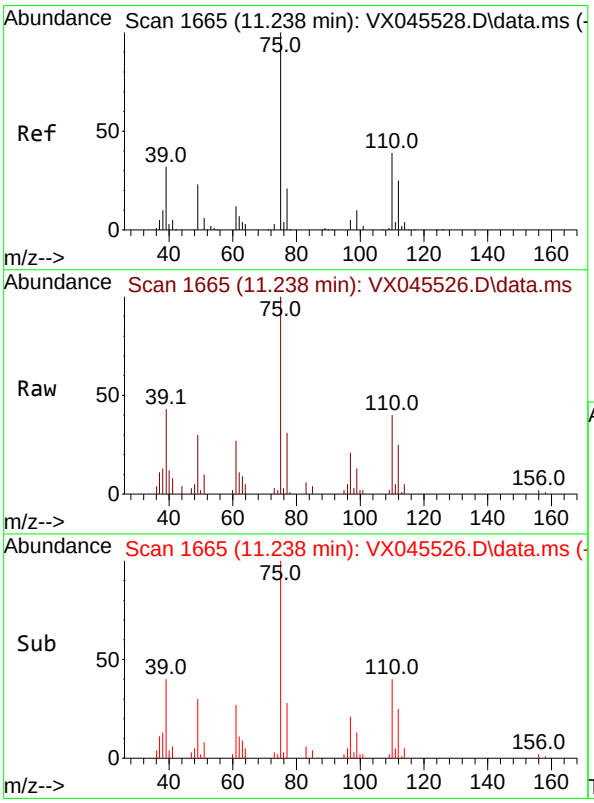
Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.7	14.1
85	63.5	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

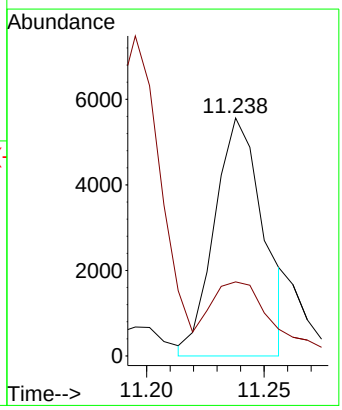
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

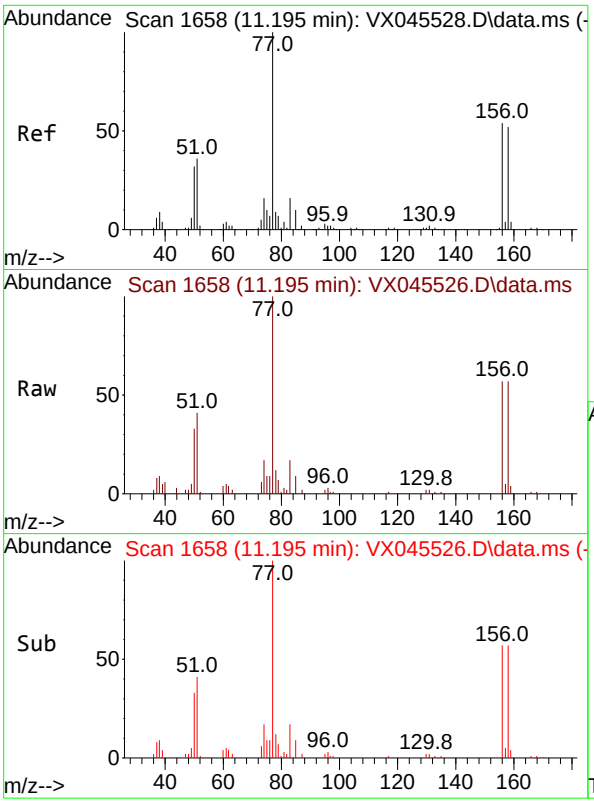


#76
1,2,3-Trichloropropane
Concen: 5.152 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 8032

Ion	Ratio	Lower	Upper
75	100		
77	40.2	20.0	59.9

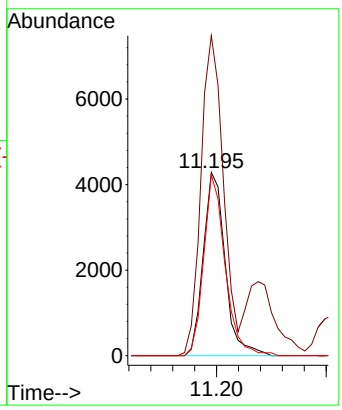




#77
Bromobenzene
Concen: 5.011 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:156 Resp: 592

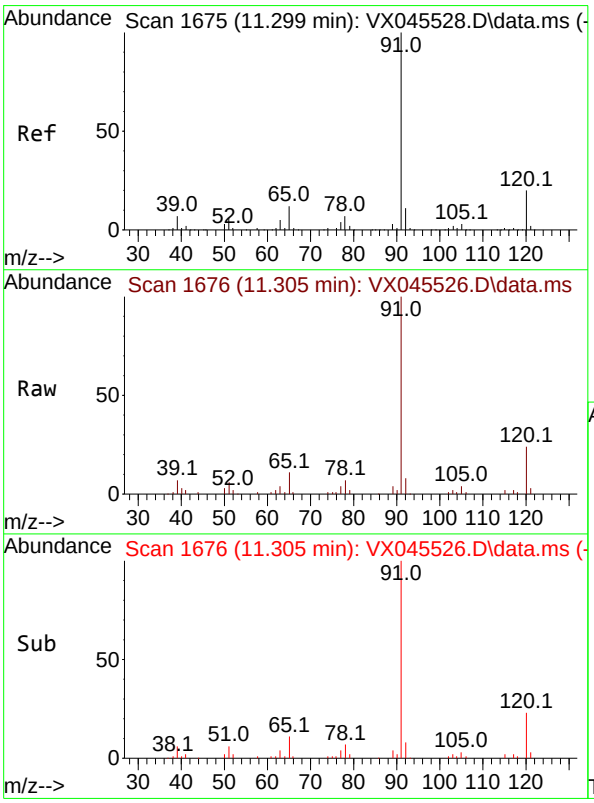
Ion	Ratio	Lower	Upper
156	100		
77	178.8	92.6	277.8
158	97.0	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

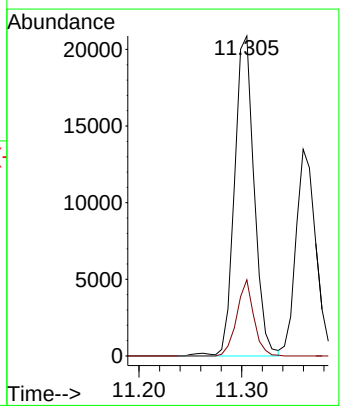
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

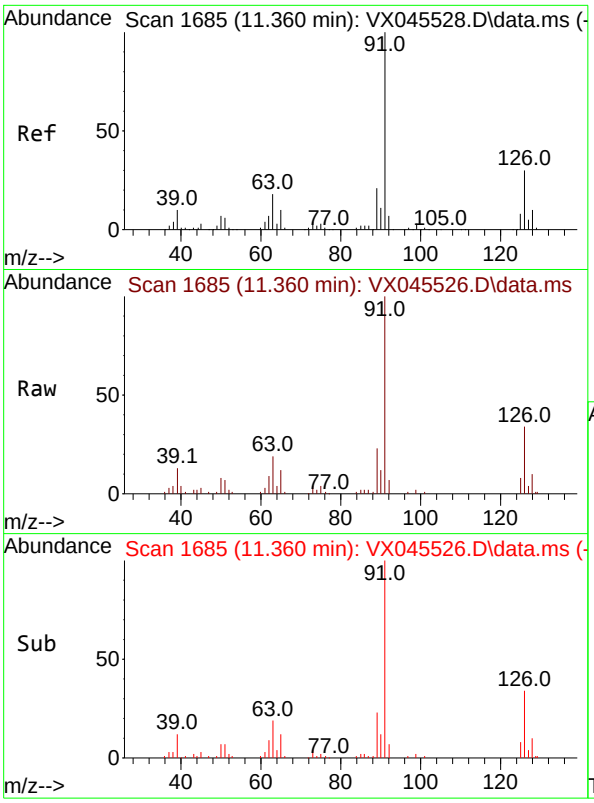


#78
n-propylbenzene
Concen: 4.711 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 27777

Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.8	32.3

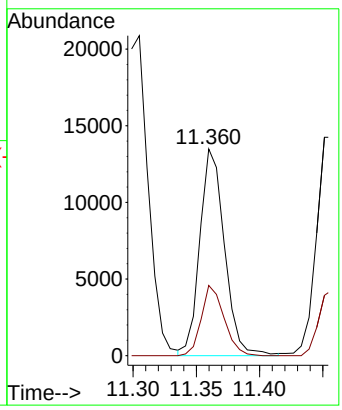




#79
2-Chlorotoluene
Concen: 4.870 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 1835

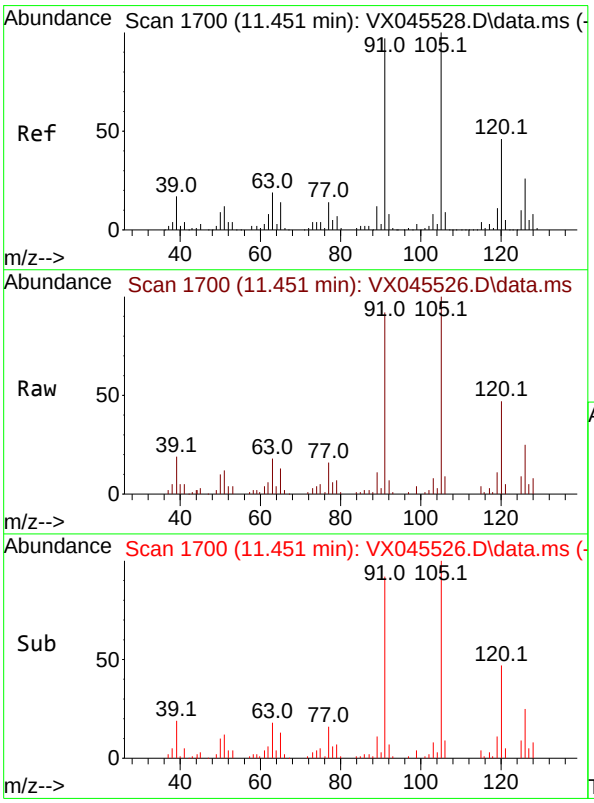
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

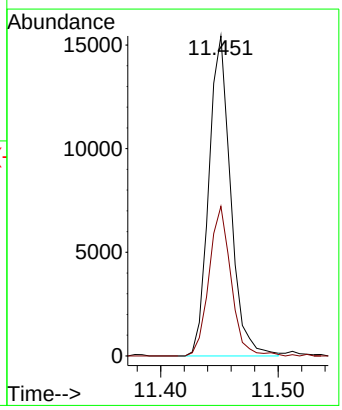
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

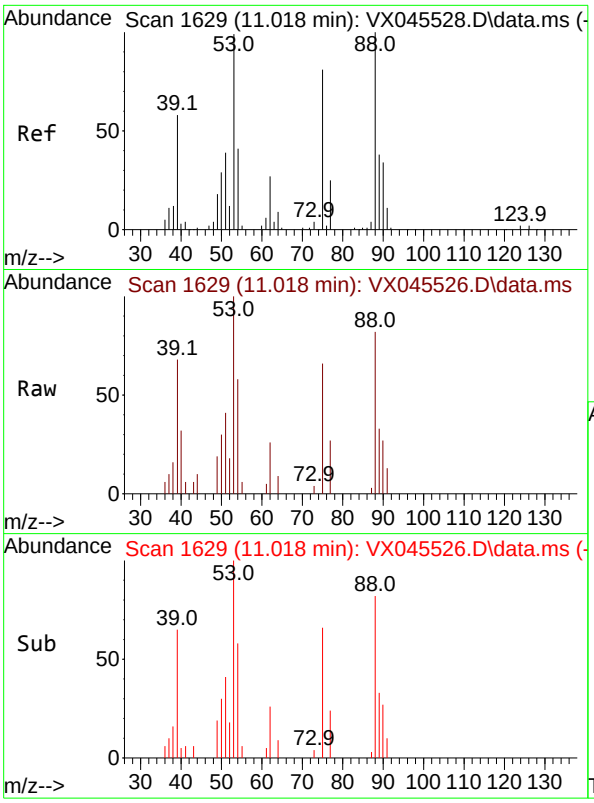


#80
1,3,5-Trimethylbenzene
Concen: 4.710 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:105 Resp: 19936

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 3.814 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

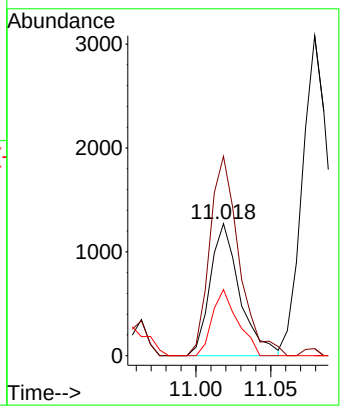
Tgt Ion: 75 Resp: 175

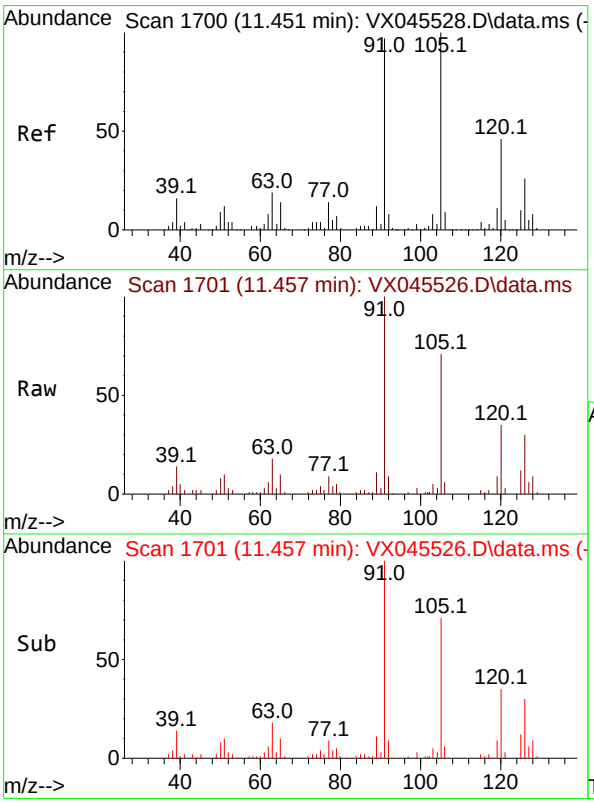
Ion	Ratio	Lower	Upper
75	100		
53	149.1	101.8	152.6
89	43.1	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

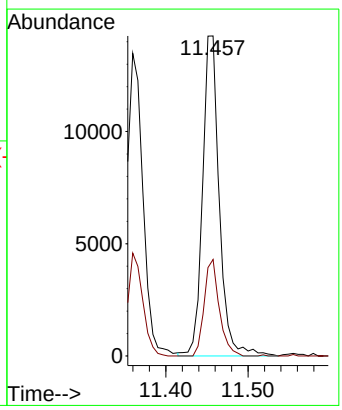


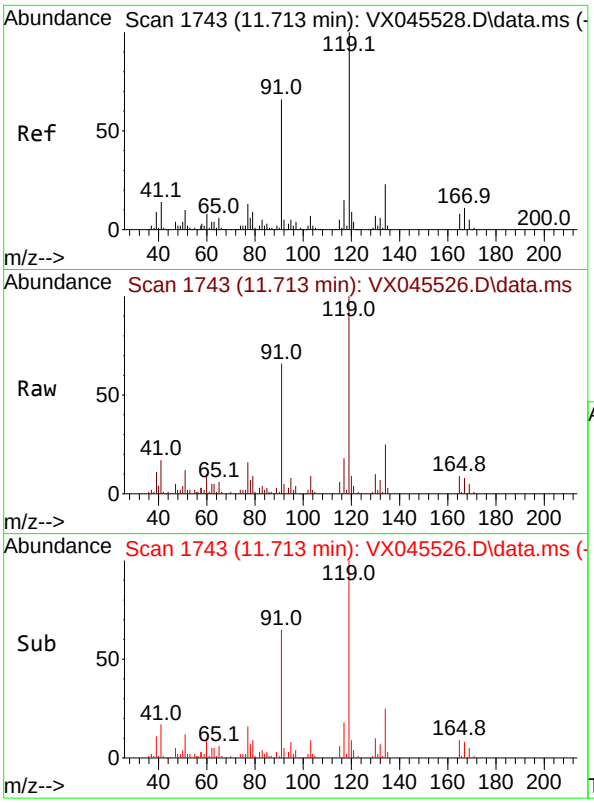


#82
4-Chlorotoluene
Concen: 4.799 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 20171

Ion	Ratio	Lower	Upper
91	100		
126	27.2	13.3	39.9

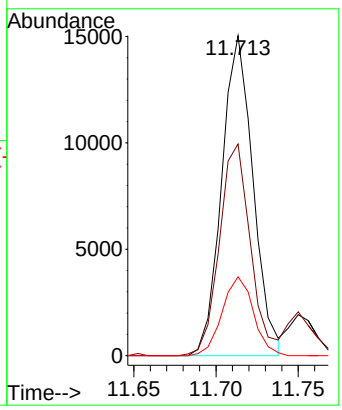




#83
tert-Butylbenzene
Concen: 4.763 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:119 Resp: 1996

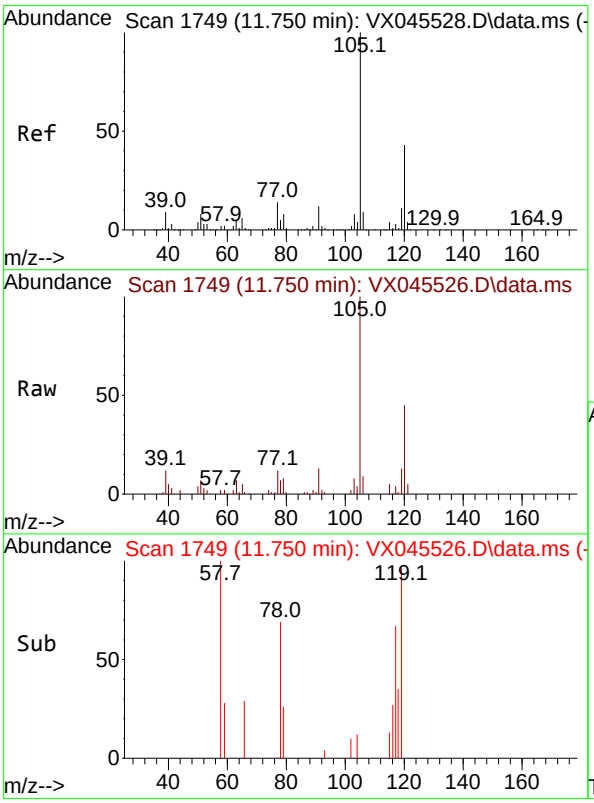
Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.4	97.2
134	24.6	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

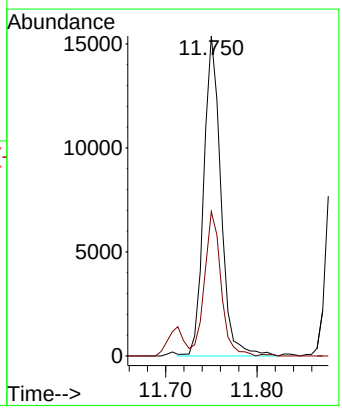
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

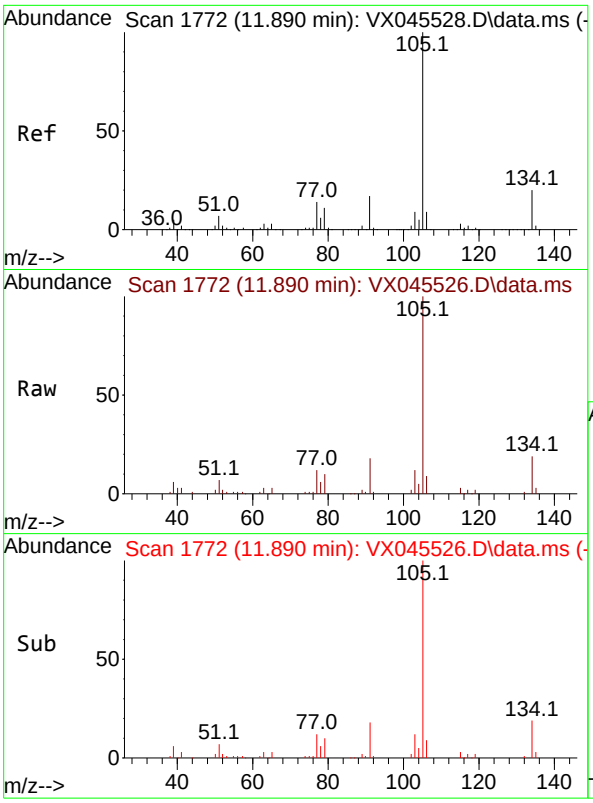


#84
1,2,4-Trimethylbenzene
Concen: 4.707 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:105 Resp: 19998

Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.4	64.3

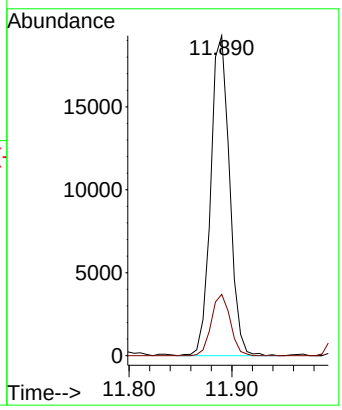




#85
sec-Butylbenzene
Concen: 4.753 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:105 Resp: 2446

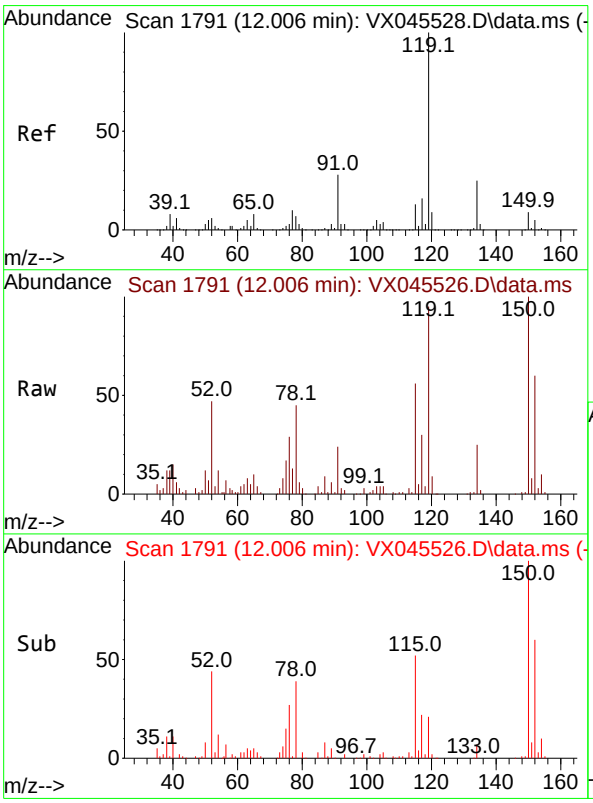
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

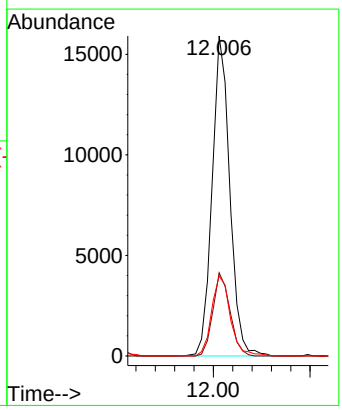
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

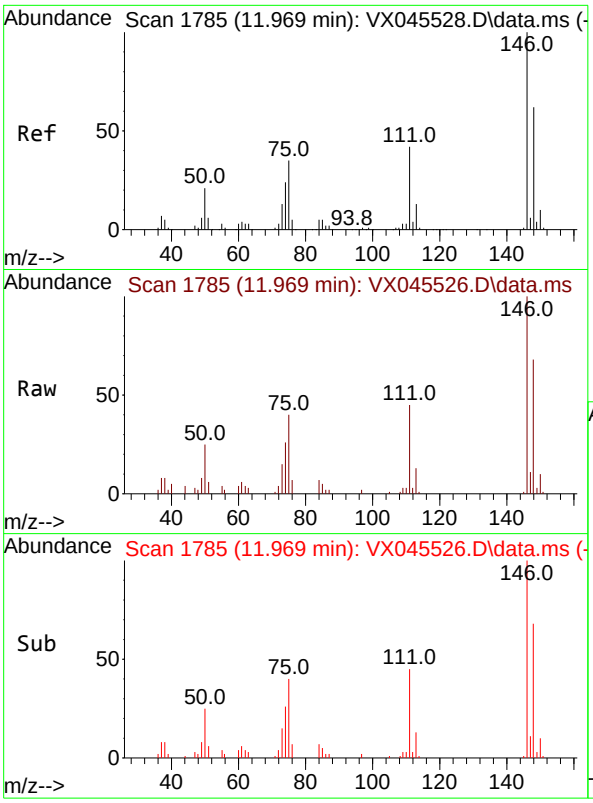


#86
p-Isopropyltoluene
Concen: 4.755 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:119 Resp: 20178

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	26.4	13.7	41.1

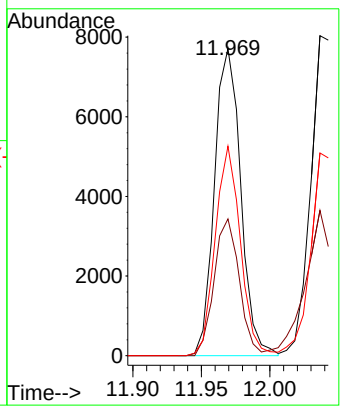




#87
1,3-Dichlorobenzene
Concen: 4.763 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:146 Resp: 1025

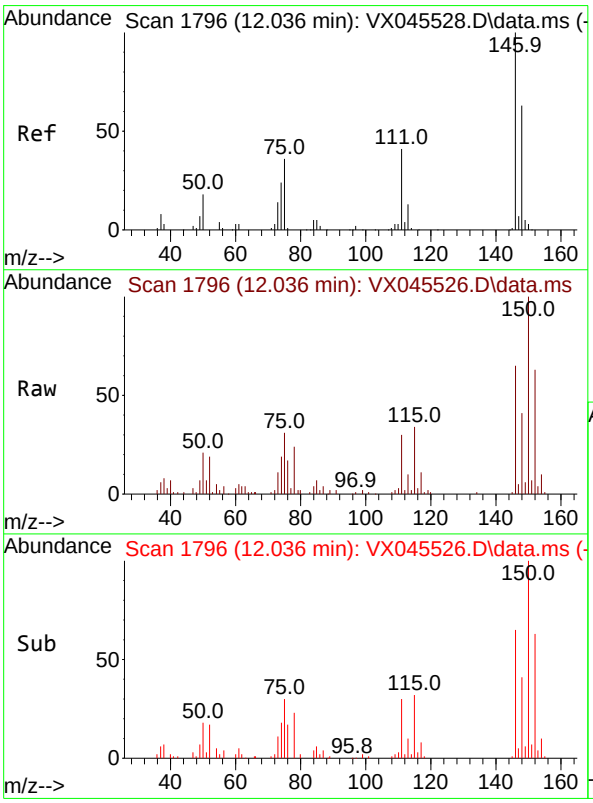
Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.2	66.6
148	65.7	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

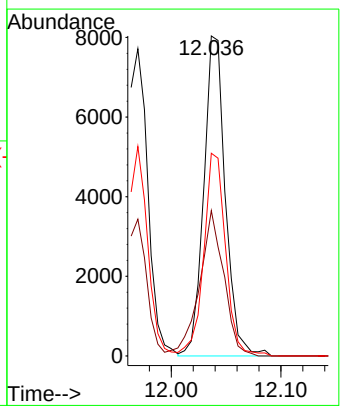
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

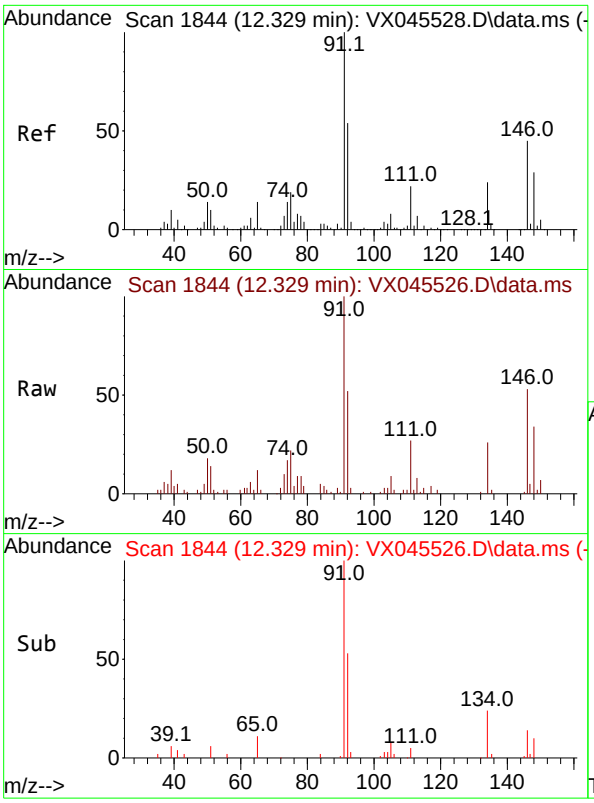


#88
1,4-Dichlorobenzene
Concen: 5.047 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:146 Resp: 11016

Ion	Ratio	Lower	Upper
146	100		
111	51.4	20.9	62.8
148	64.2	31.5	94.5

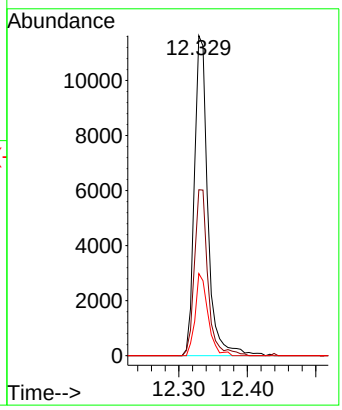




#89
n-Butylbenzene
Concen: 4.317 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 1588

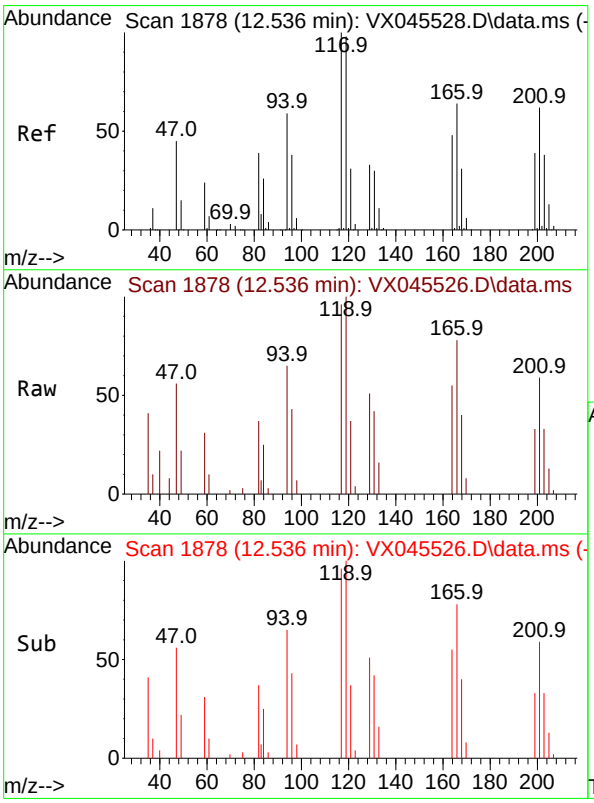
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.9	80.6
134	24.4	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

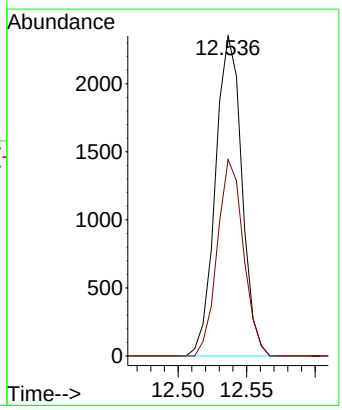
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

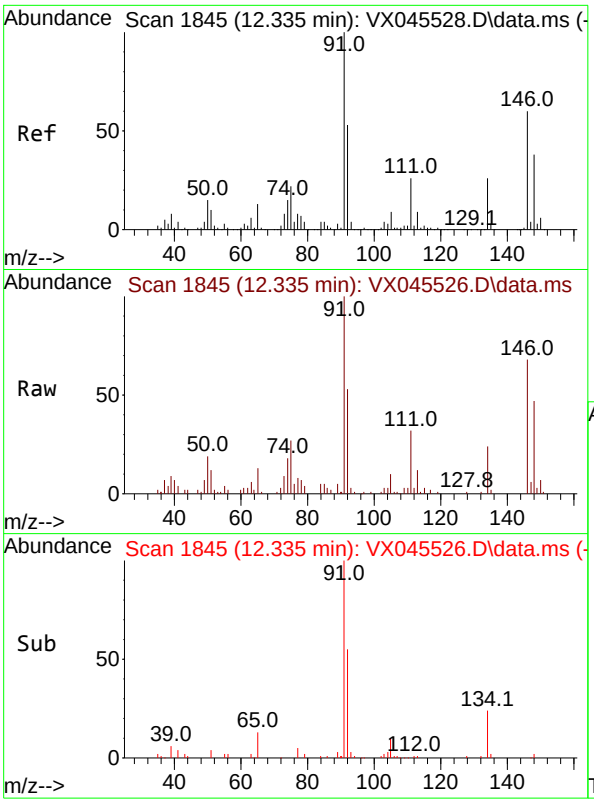


#90
Hexachloroethane
Concen: 4.320 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:117 Resp: 3151

Ion	Ratio	Lower	Upper
117	100		
201	60.6	31.2	93.6

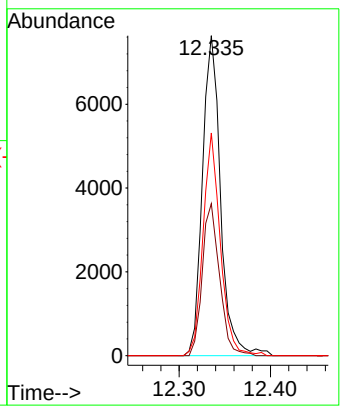




#91
1,2-Dichlorobenzene
Concen: 4.910 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:146 Resp: 1051

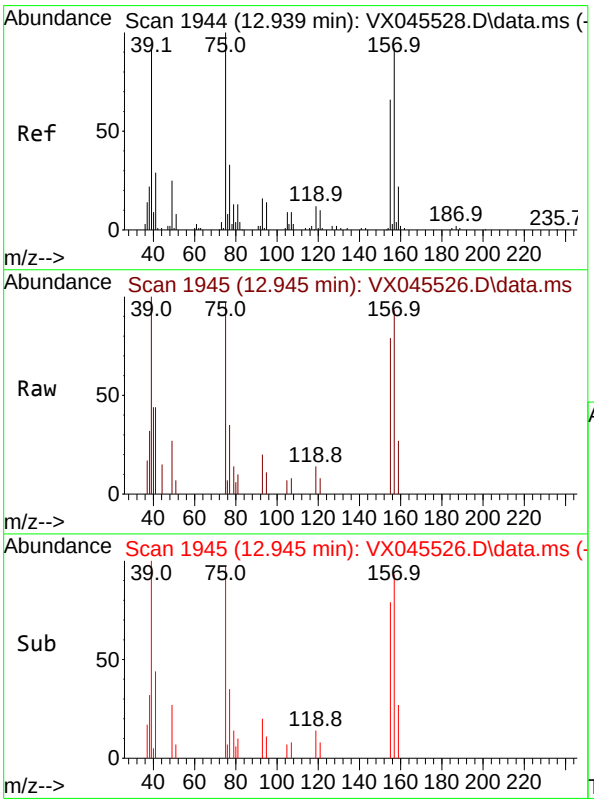
Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.8
148	66.3	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

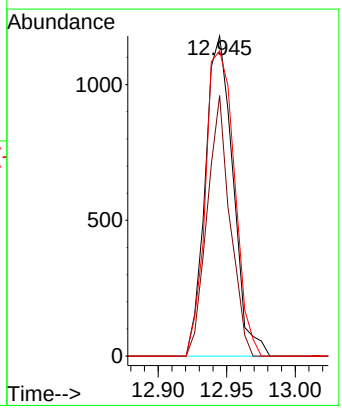
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

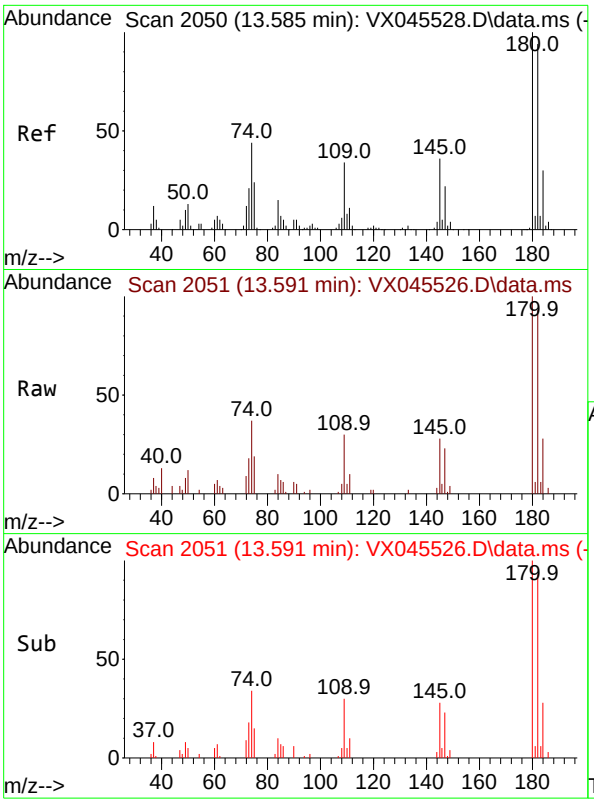


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.417 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 1661

Ion	Ratio	Lower	Upper
75	100		
155	67.3	34.9	104.7
157	100.4	44.9	134.7

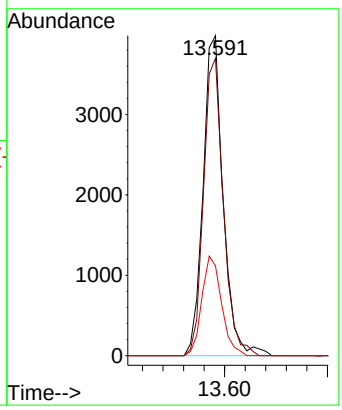




#93
1,2,4-Trichlorobenzene
Concen: 4.524 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:180 Resp: 539

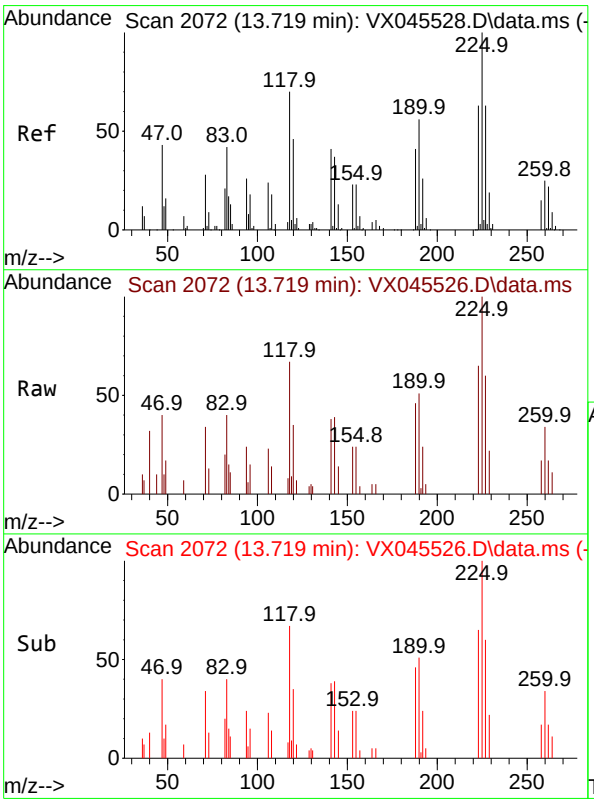
Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.9	143.6
145	30.7	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

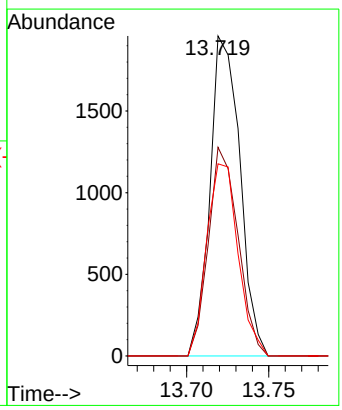
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

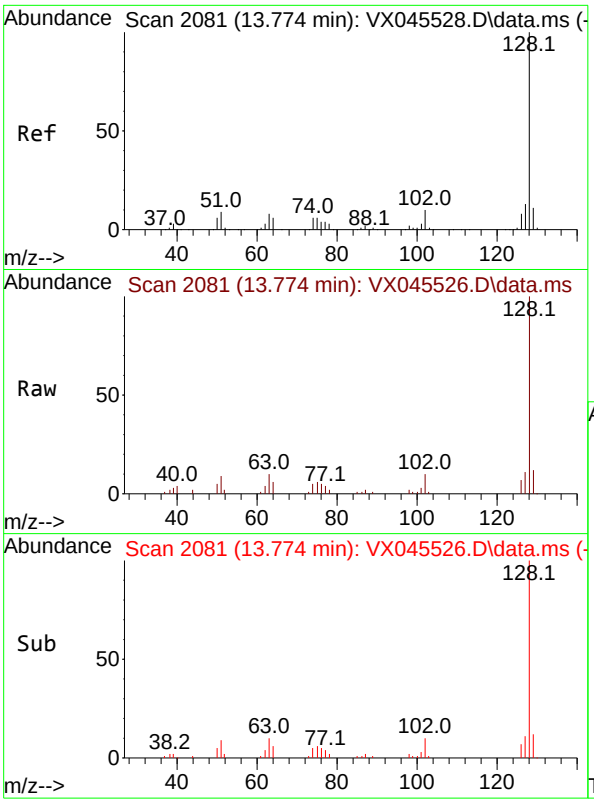


#94
Hexachlorobutadiene
Concen: 4.836 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:225 Resp: 2483

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.1	93.3
227	62.8	32.2	96.6

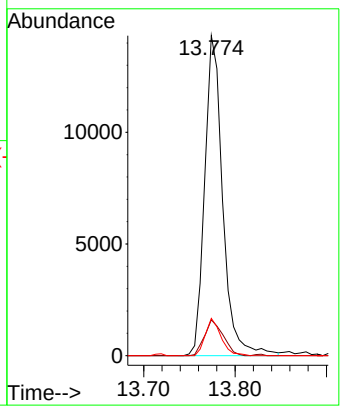




#95
Naphthalene
Concen: 4.424 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:128 Resp: 1961

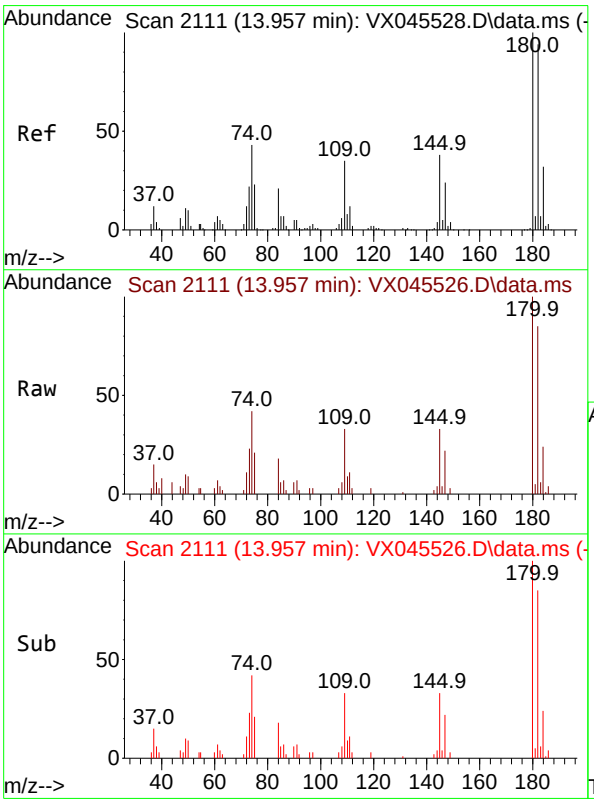
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.3	15.5
129	10.2	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

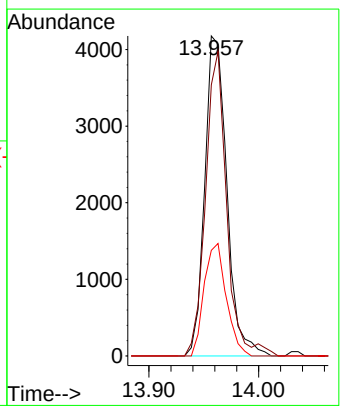
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.692 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:180 Resp: 5854

Ion	Ratio	Lower	Upper
180	100		
182	90.7	47.3	141.8
145	35.2	18.2	54.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	90228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	32500	19.697	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.400%#		
35) Dibromofluoromethane	5.385	113	21963	19.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.520%#		
50) Toluene-d8	8.647	98	79303	19.921	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.840%#		
62) 4-Bromofluorobenzene	11.079	95	28795	19.858	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	39.720%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25265	18.724	ug/l	97
3) Chloromethane	1.301	50	28034	20.223	ug/l	98
4) Vinyl Chloride	1.374	62	25285	19.931	ug/l	97
5) Bromomethane	1.593	94	11815	19.642	ug/l	99
6) Chloroethane	1.666	64	14071	20.905	ug/l	98
7) Trichlorofluoromethane	1.874	101	38815	20.518	ug/l	98
8) Diethyl Ether	2.136	74	12852	20.235	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	22917	20.673	ug/l	95
10) Methyl Iodide	2.441	142	28478	20.596	ug/l	99
11) Tert butyl alcohol	2.983	59	22453	101.253	ug/l	100
12) 1,1-Dichloroethene	2.306	96	22103	20.406	ug/l	96
13) Acrolein	2.239	56	28991	94.938	ug/l	99
14) Allyl chloride	2.660	41	41233	20.063	ug/l	99
15) Acrylonitrile	3.062	53	74487	106.412	ug/l	98
16) Acetone	2.386	43	69788	103.000	ug/l	99
17) Carbon Disulfide	2.502	76	51771	19.352	ug/l	98
18) Methyl Acetate	2.703	43	31190	19.994	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	78284	20.660	ug/l	96
20) Methylene Chloride	2.782	84	26212	20.664	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	22968	20.755	ug/l	92
22) Diisopropyl ether	3.757	45	84046	20.760	ug/l #	81
23) Vinyl Acetate	3.721	43	361881	103.458	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47560	20.772	ug/l	99
25) 2-Butanone	4.556	43	105062	105.931	ug/l	99
26) 2,2-Dichloropropane	4.471	77	28956	19.574	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	27425	20.342	ug/l	98
28) Bromochloromethane	4.897	49	22285	20.141	ug/l	100
29) Tetrahydrofuran	5.007	42	66994	104.187	ug/l	99
30) Chloroform	5.093	83	48639	20.646	ug/l	100
31) Cyclohexane	5.458	56	41450	20.478	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	40407	20.270	ug/l	99
36) 1,1-Dichloropropene	5.684	75	30504	19.808	ug/l	98
37) Ethyl Acetate	4.715	43	39163	20.180	ug/l	98
38) Carbon Tetrachloride	5.672	117	33533	20.148	ug/l	94
39) Methylcyclohexane	7.373	83	38303	20.291	ug/l	97
40) Benzene	6.031	78	97667	20.766	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	21740	21.046	ug/l		97
42) 1,2-Dichloroethane	6.086	62	41733	21.484	ug/l		100
43) Isopropyl Acetate	6.342	43	61222	20.814	ug/l		99
44) Trichloroethene	7.123	130	22918	20.501	ug/l		97
45) 1,2-Dichloropropane	7.428	63	24926	21.241	ug/l		90
46) Dibromomethane	7.580	93	19104	21.207	ug/l		99
47) Bromodichloromethane	7.818	83	37036	20.587	ug/l		99
48) Methyl methacrylate	7.696	41	31247	20.575	ug/l		99
49) 1,4-Dioxane	7.659	88	12104	440.515	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	212645	109.055	ug/l		99
52) Toluene	8.714	92	60357	21.208	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	29870	18.764	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	35099	20.762	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	24191	21.331	ug/l		96
56) Ethyl methacrylate	9.116	69	36155	20.600	ug/l		99
57) 1,3-Dichloropropane	9.305	76	41900	21.217	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	91923	103.534	ug/l		100
59) 2-Hexanone	9.427	43	156999	108.730	ug/l		99
60) Dibromochloromethane	9.519	129	25992	21.023	ug/l		98
61) 1,2-Dibromoethane	9.604	107	24456	21.303	ug/l		99
64) Tetrachloroethene	9.269	164	21379	21.015	ug/l		98
65) Chlorobenzene	10.079	112	64727	21.023	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21447	20.064	ug/l		98
67) Ethyl Benzene	10.189	91	115368	20.921	ug/l		99
68) m/p-Xylenes	10.299	106	84420	42.092	ug/l		99
69) o-Xylene	10.640	106	41803	21.158	ug/l		100
70) Styrene	10.653	104	69290	21.249	ug/l		99
71) Bromoform	10.799	173	15659	19.619	ug/l	#	99
73) Isopropylbenzene	10.957	105	110396	21.093	ug/l		100
74) N-amyl acetate	10.842	43	51238	20.466	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	38177	20.764	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	32690m	20.510	ug/l		
77) Bromobenzene	11.195	156	24902	20.592	ug/l		100
78) n-propylbenzene	11.299	91	130994	21.729	ug/l		98
79) 2-Chlorotoluene	11.360	91	81817	21.229	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	93328	21.564	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8435	17.961	ug/l		88
82) 4-Chlorotoluene	11.451	91	90704	21.108	ug/l		99
83) tert-Butylbenzene	11.713	119	89828	20.964	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	92242	21.235	ug/l		100
85) sec-Butylbenzene	11.890	105	112800	21.433	ug/l		100
86) p-Isopropyltoluene	12.006	119	91866	21.173	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	45105	20.490	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	46208	20.706	ug/l		99
89) n-Butylbenzene	12.329	91	77739	20.662	ug/l		100
90) Hexachloroethane	12.536	117	14544	19.505	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	45732	20.896	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8153	21.203	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	24787	20.347	ug/l		98
94) Hexachlorobutadiene	13.725	225	10488	19.979	ug/l		97
95) Naphthalene	13.774	128	94875	20.928	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	26113	20.471	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

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

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

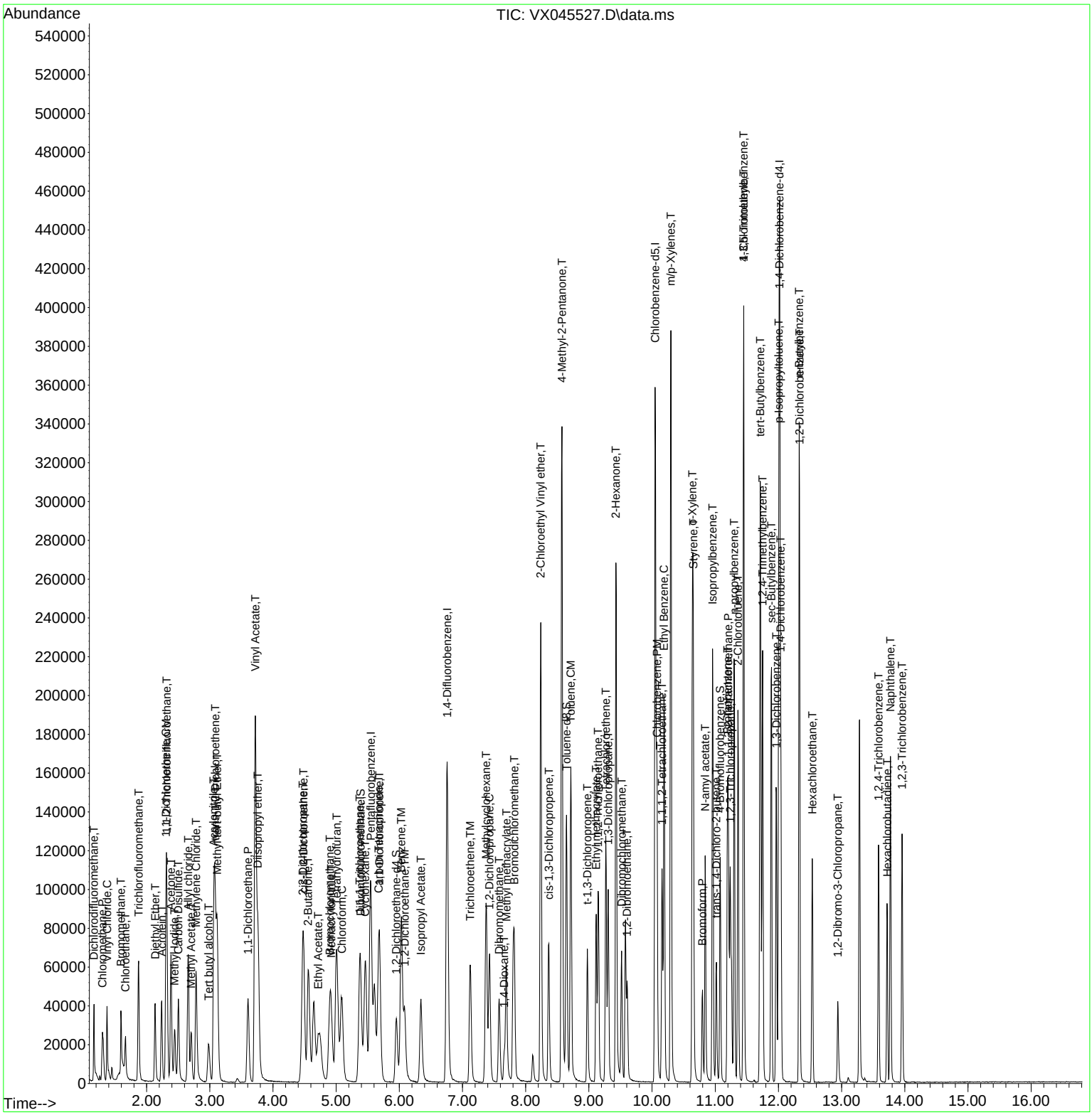
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

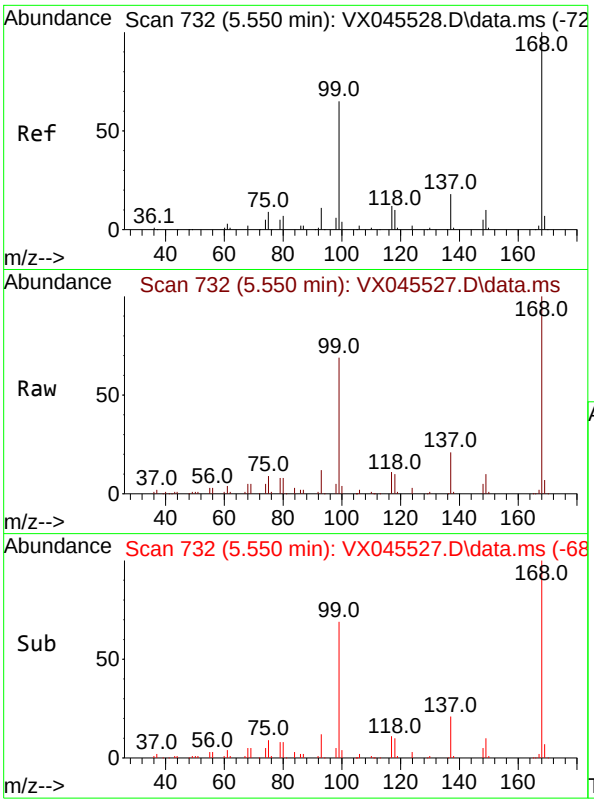
Quant Time: Apr 02 02:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

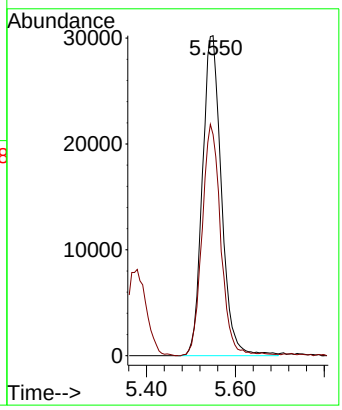




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:168 Resp: 9022

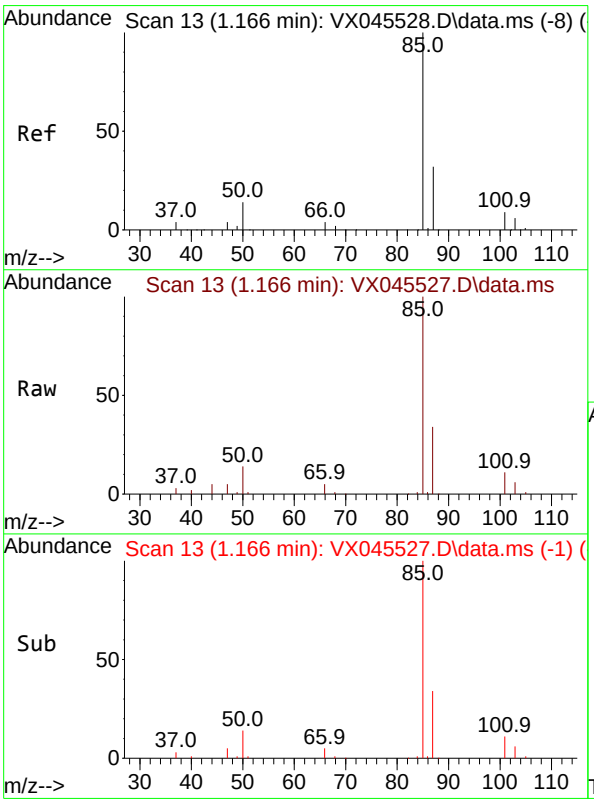
Ion	Ratio	Lower	Upper
168	100		
99	69.1	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

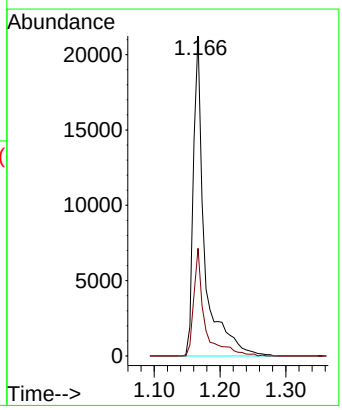
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

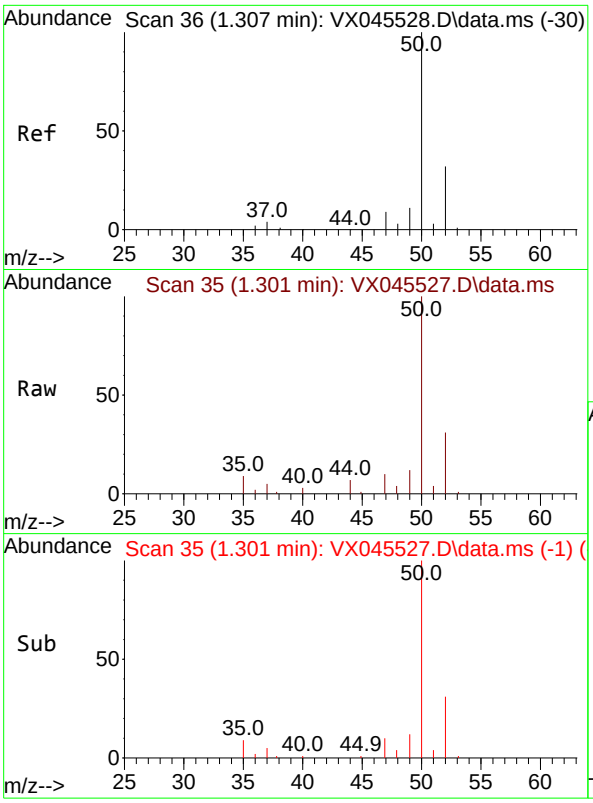


#2
Dichlorodifluoromethane
Concen: 18.724 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 85 Resp: 25265

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.1	48.2

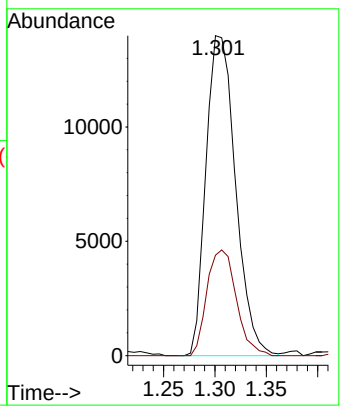




#3
Chloromethane
Concen: 20.223 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 50 Resp: 2803

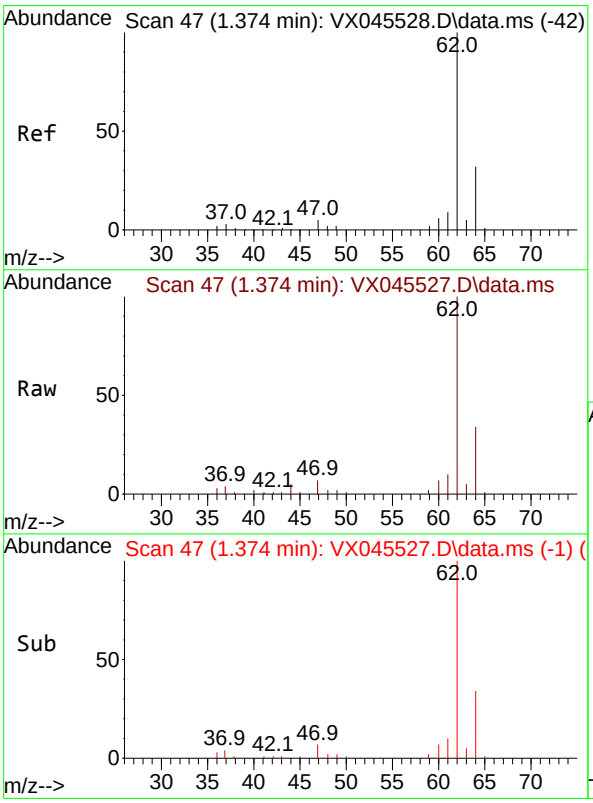
Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

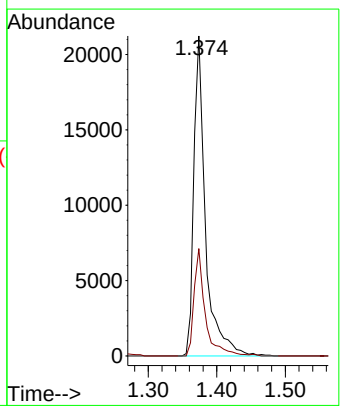
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

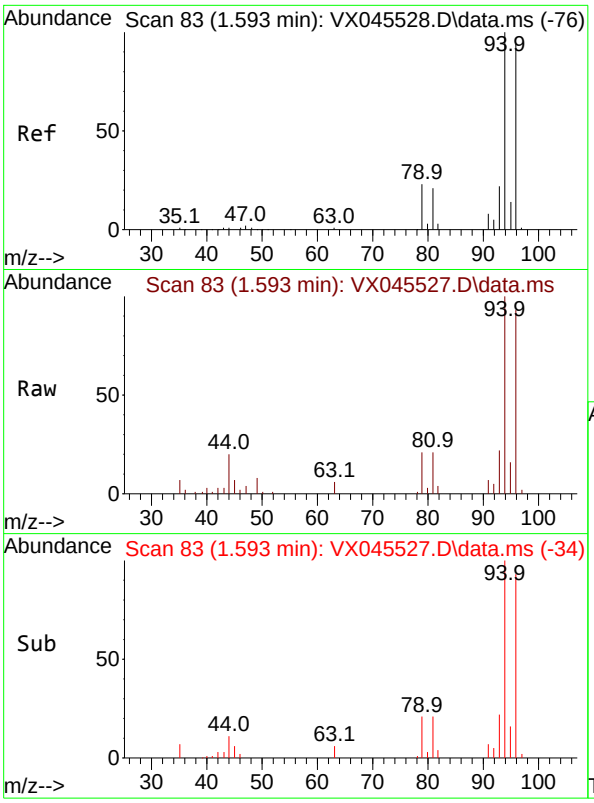


#4
Vinyl Chloride
Concen: 19.931 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 62 Resp: 25285

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.5	38.3

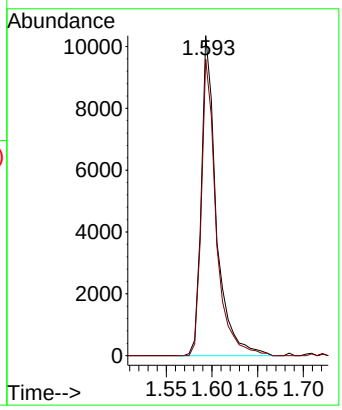




#5
Bromomethane
Concen: 19.642 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 94 Resp: 1181

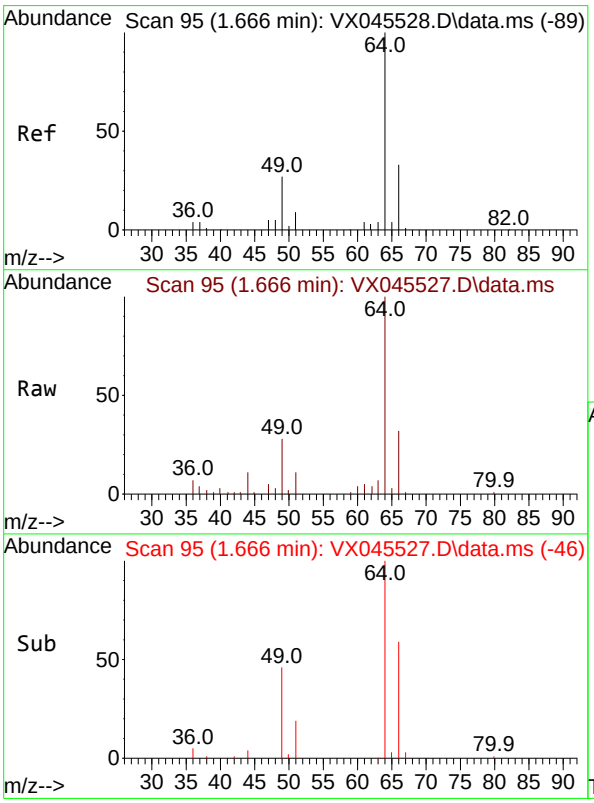
Ion	Ratio	Lower	Upper
94	100		
96	92.7	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

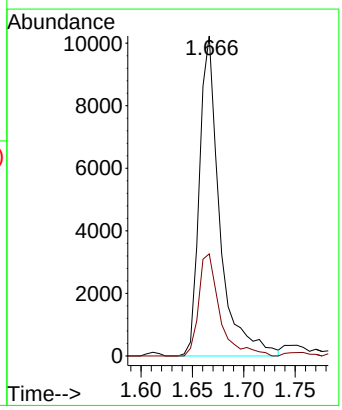
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

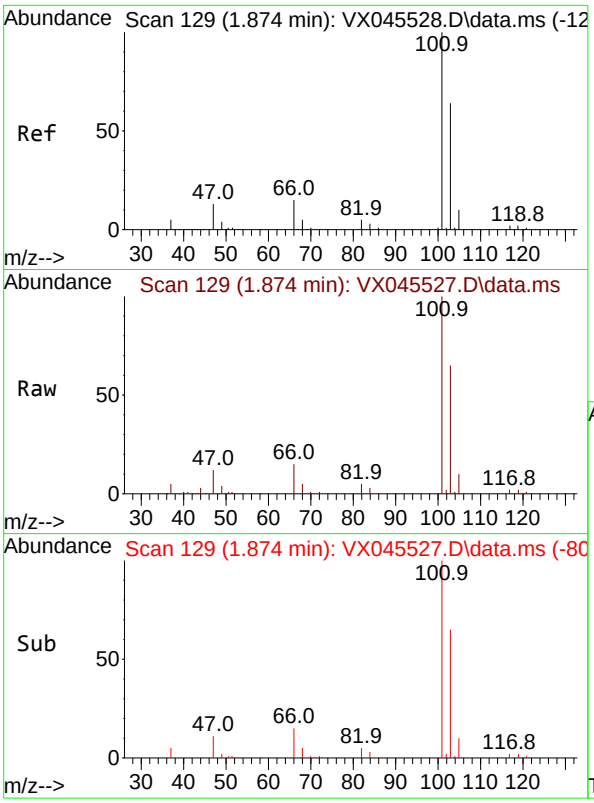


#6
Chloroethane
Concen: 20.905 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 64 Resp: 14071

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.3	39.5

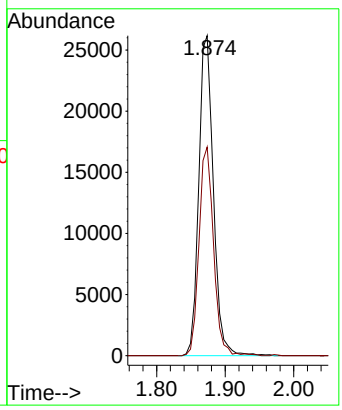




#7
Trichlorofluoromethane
Concen: 20.518 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:101 Resp: 3881

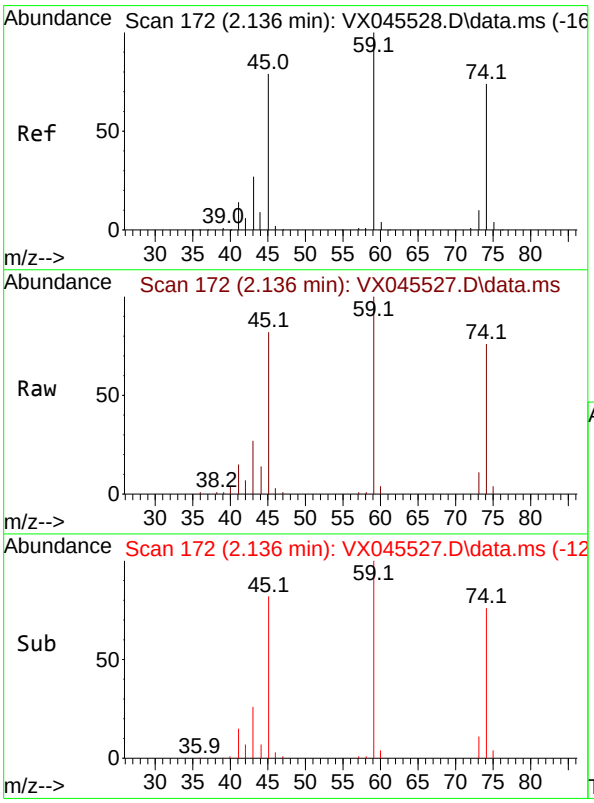
Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

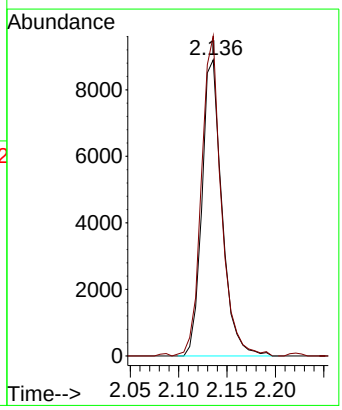
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

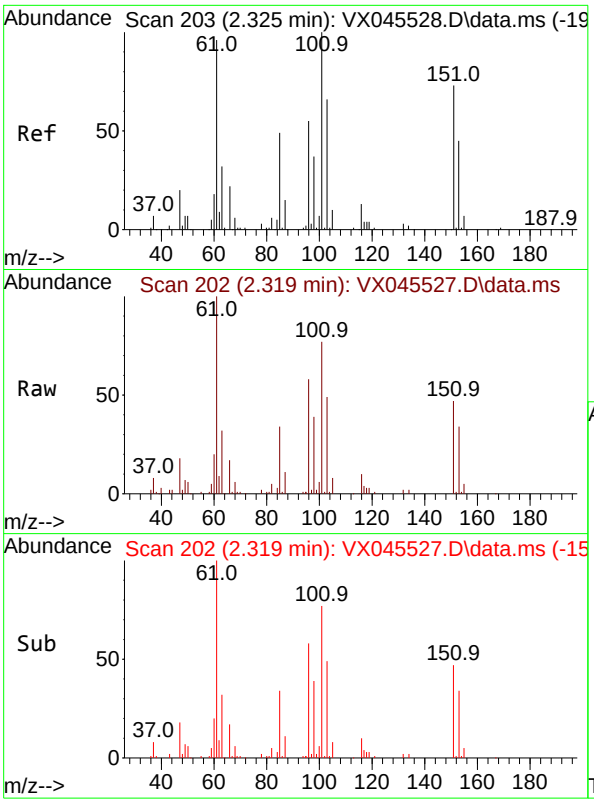


#8
Diethyl Ether
Concen: 20.235 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 74 Resp: 12852

Ion	Ratio	Lower	Upper
74	100		
45	107.6	53.0	159.1

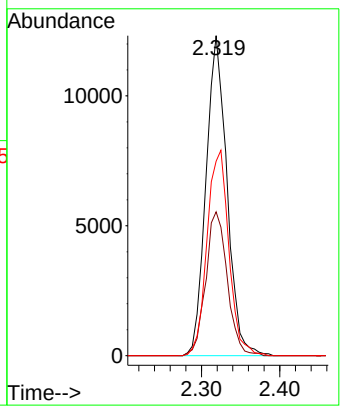




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.673 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:101 Resp: 2291

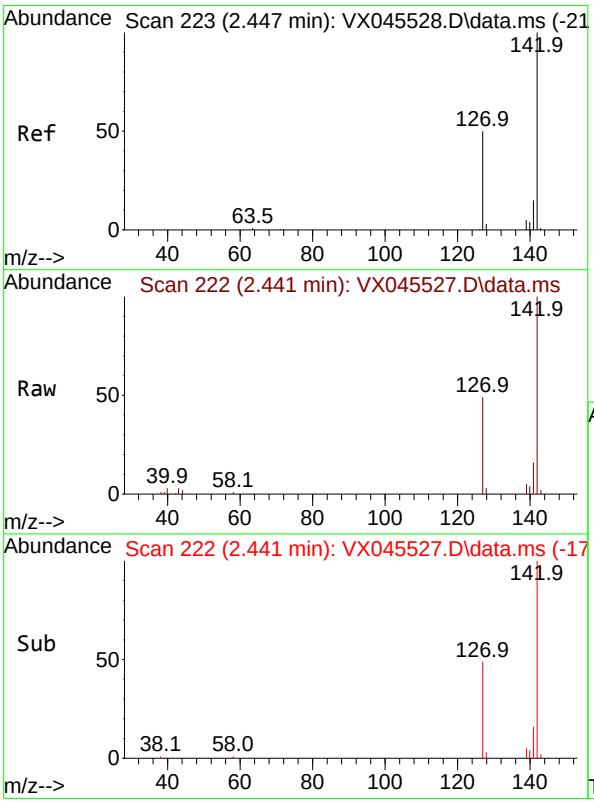
Ion	Ratio	Lower	Upper
101	100		
85	46.2	38.9	58.3
151	66.8	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

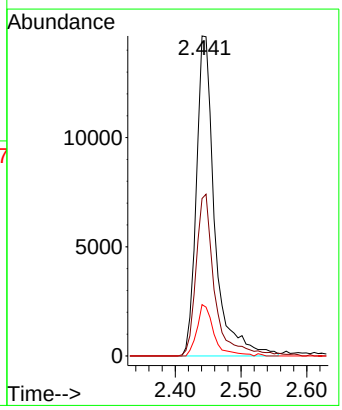
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

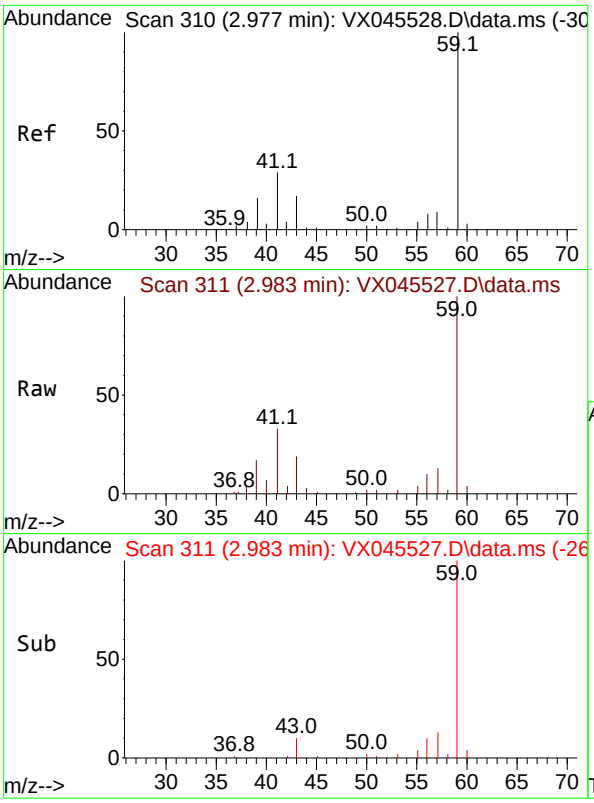


#10
Methyl Iodide
Concen: 20.596 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:142 Resp: 28478

Ion	Ratio	Lower	Upper
142	100		
127	51.5	40.2	60.4
141	14.8	11.7	17.5

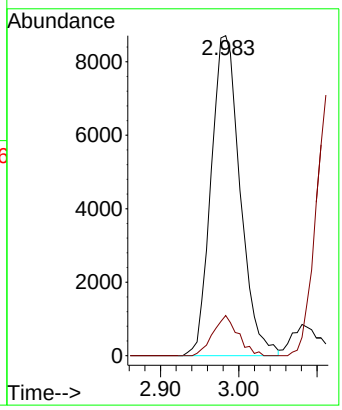




#11
Tert butyl alcohol
Concen: 101.253 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 59 Resp: 2245

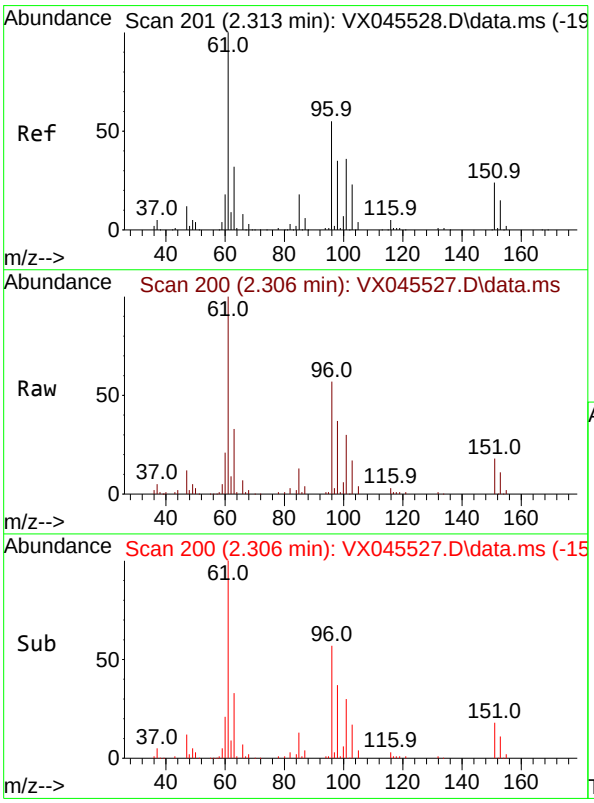
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

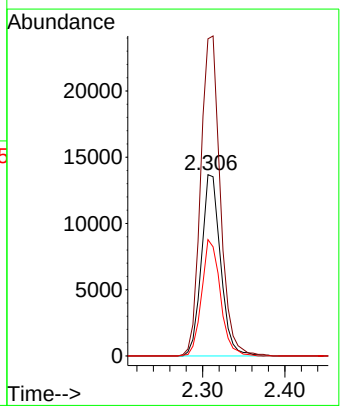
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

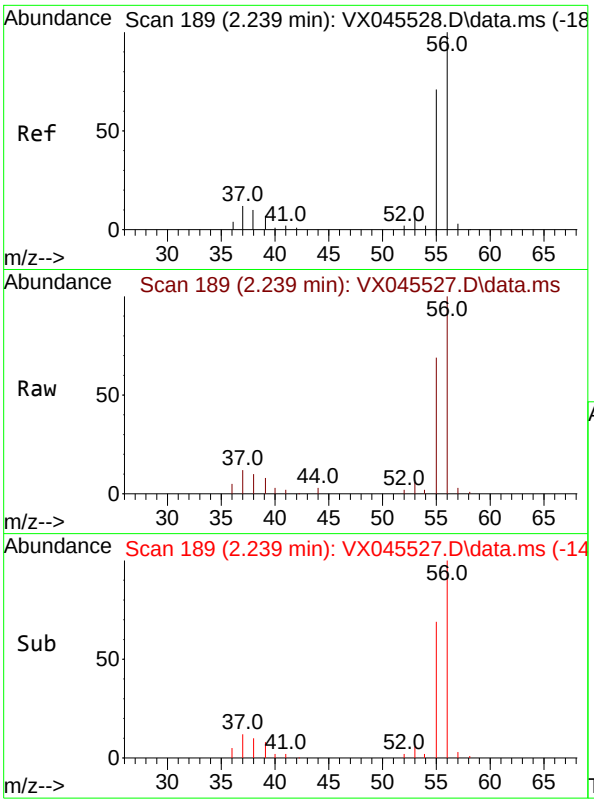


#12
1,1-Dichloroethene
Concen: 20.406 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 96 Resp: 22103

Ion	Ratio	Lower	Upper
96	100		
61	175.0	145.7	218.5
98	64.2	51.6	77.4

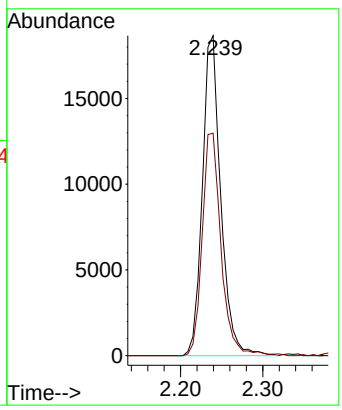




#13
Acrolein
Concen: 94.938 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 56 Resp: 2899

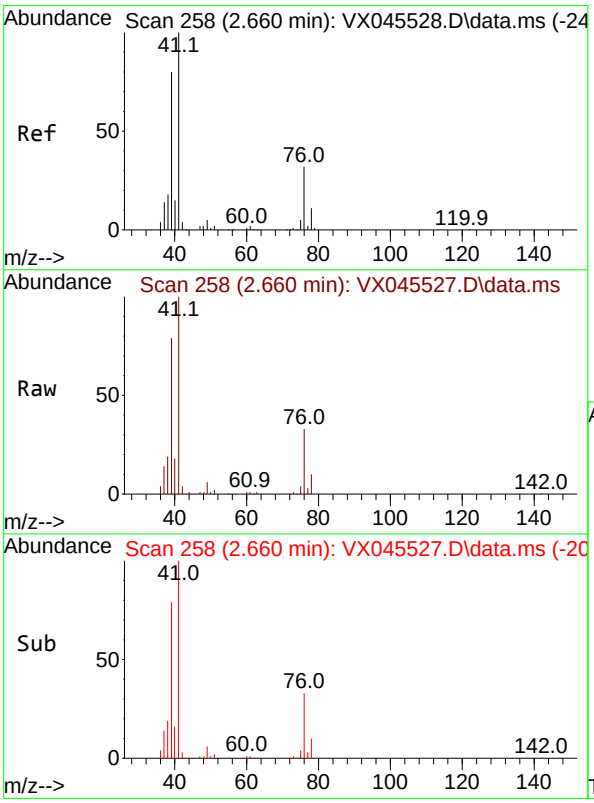
Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

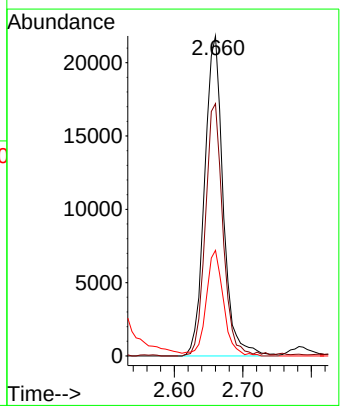
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

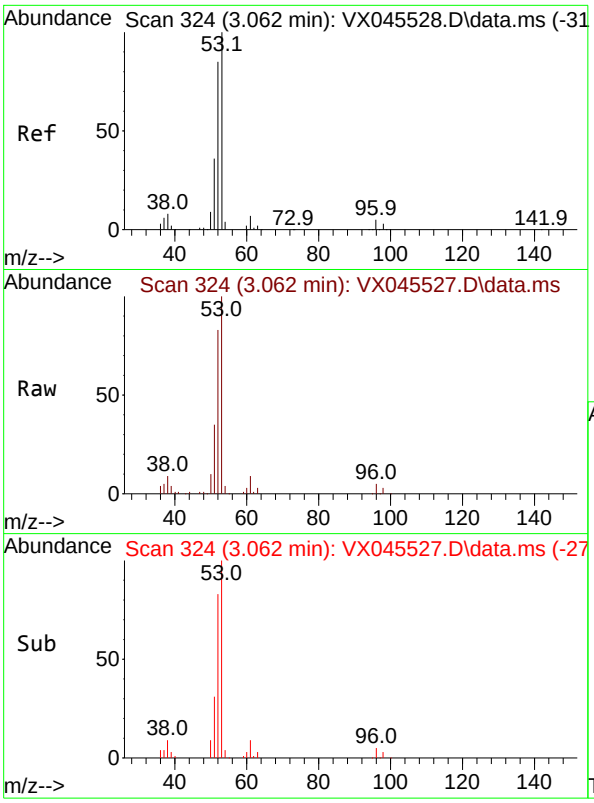


#14
Allyl chloride
Concen: 20.063 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 41 Resp: 41233

Ion	Ratio	Lower	Upper
41	100		
39	74.2	60.2	90.2
76	31.0	24.6	36.8





#15
Acrylonitrile
Concen: 106.412 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

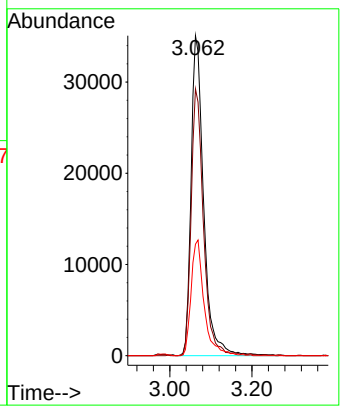
Tgt Ion: 53 Resp: 7448

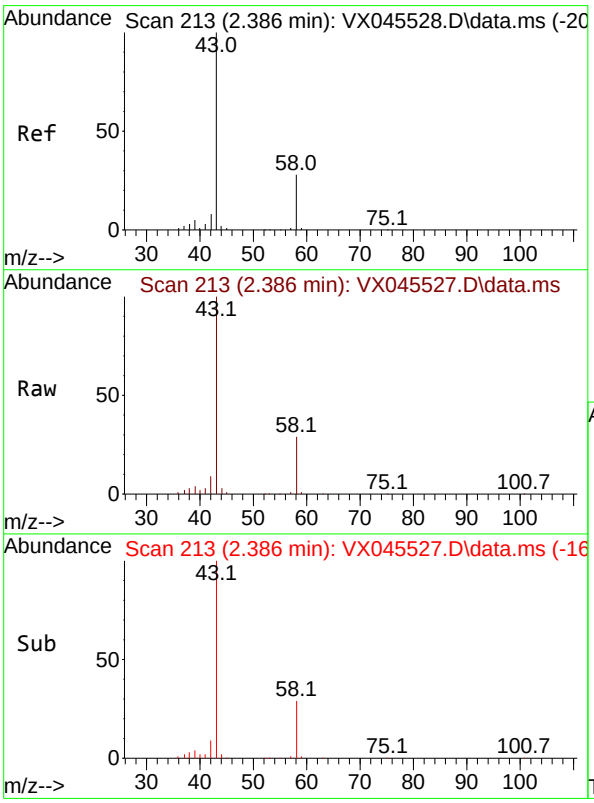
Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.4	101.2
51	37.6	29.9	44.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

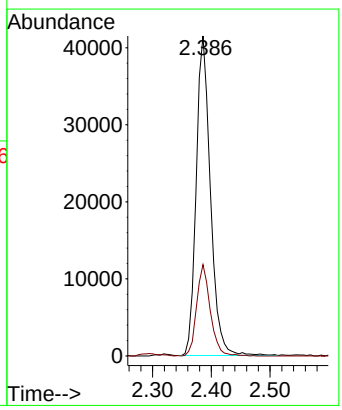


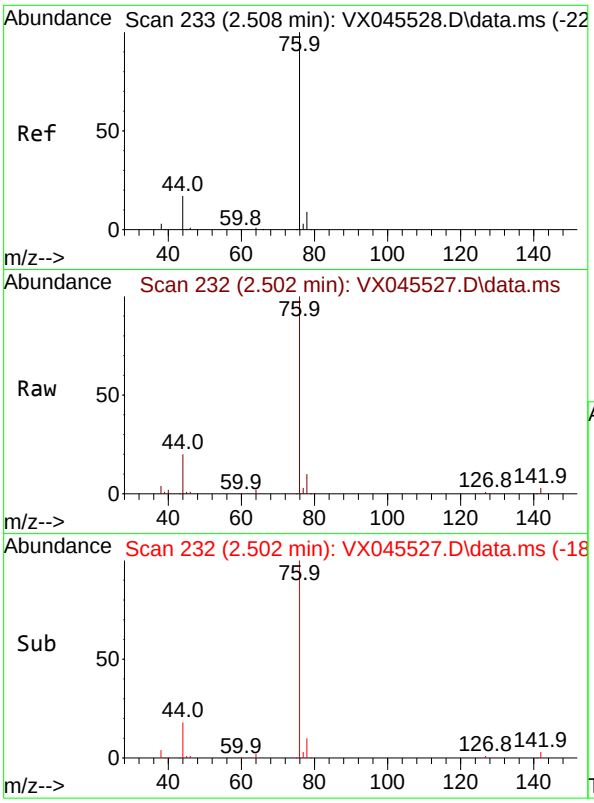


#16
Acetone
Concen: 103.000 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 69788

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.3	33.5





#17
Carbon Disulfide
Concen: 19.352 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

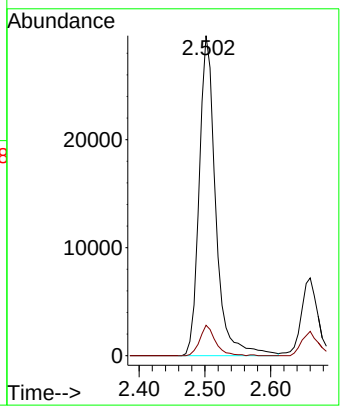
Tgt Ion: 76 Resp: 5177

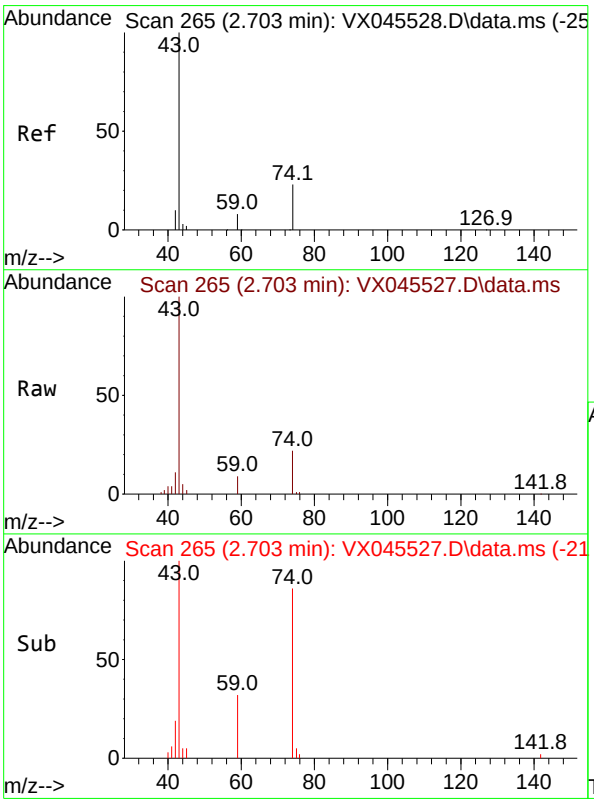
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

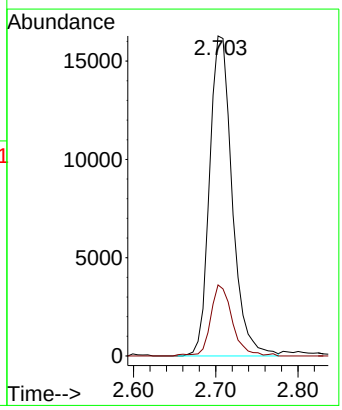


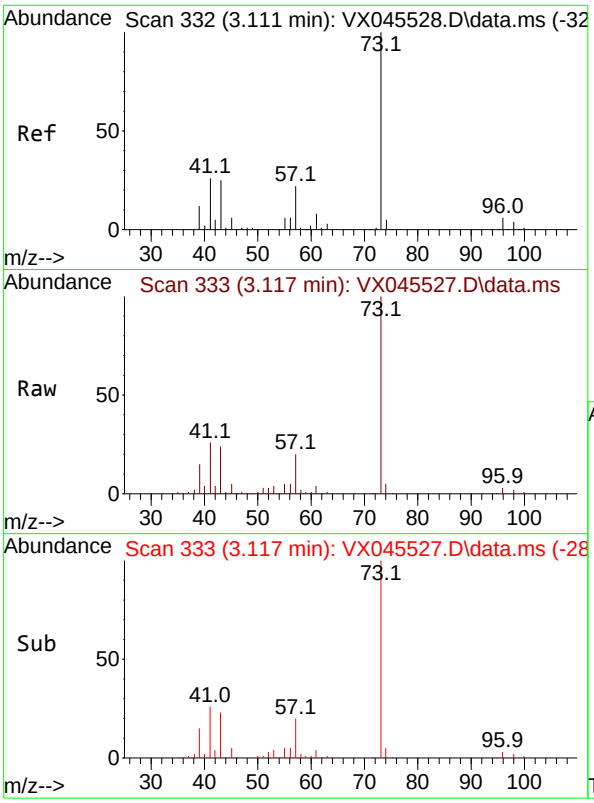


#18
Methyl Acetate
Concen: 19.994 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 31190

Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.5	26.3

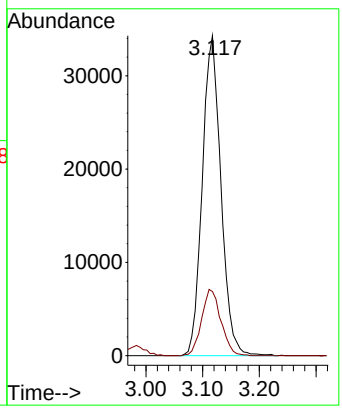




#19
Methyl tert-butyl Ether
Concen: 20.660 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 73 Resp: 7828

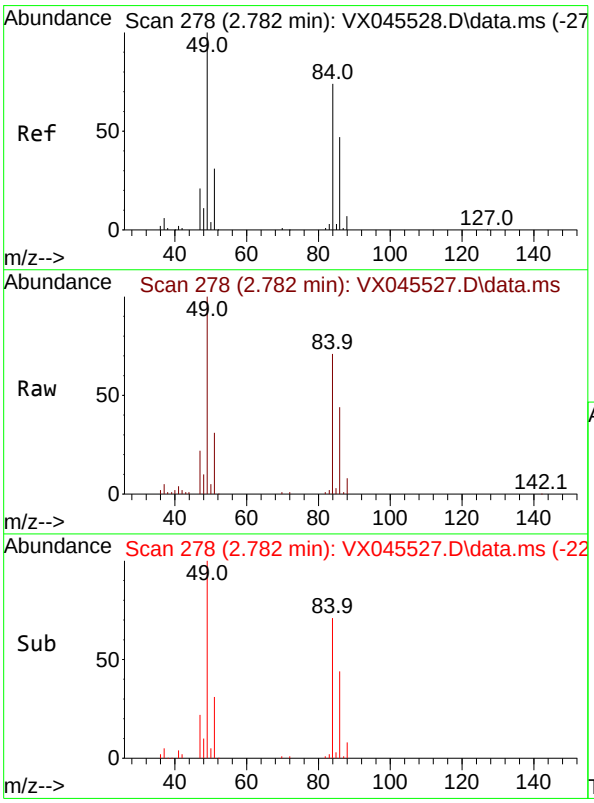
Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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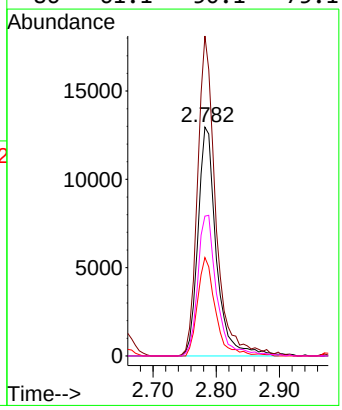
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

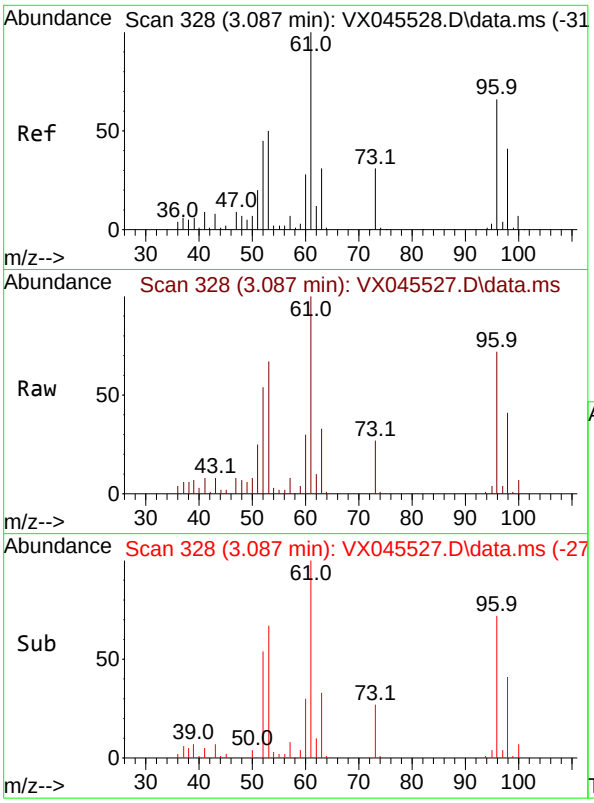


#20
Methylene Chloride
Concen: 20.664 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 84 Resp: 26212

Ion	Ratio	Lower	Upper
84	100		
49	139.9	107.5	161.3
51	43.0	33.0	49.6
86	61.1	50.1	75.1

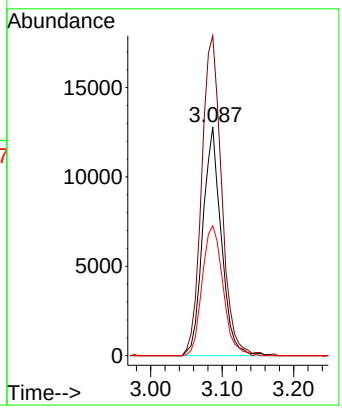




#21
trans-1,2-Dichloroethene
Concen: 20.755 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 96 Resp: 2296

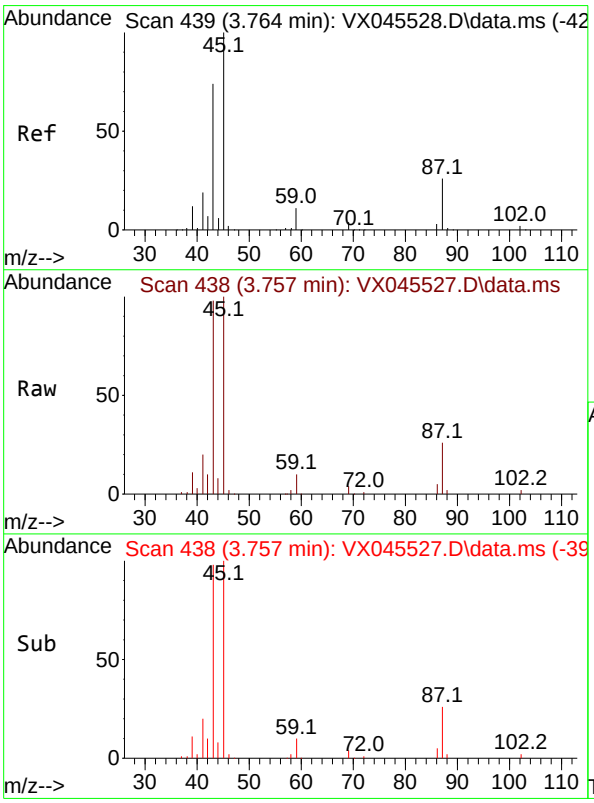
Ion	Ratio	Lower	Upper
96	100		
61	139.8	121.0	181.6
98	56.7	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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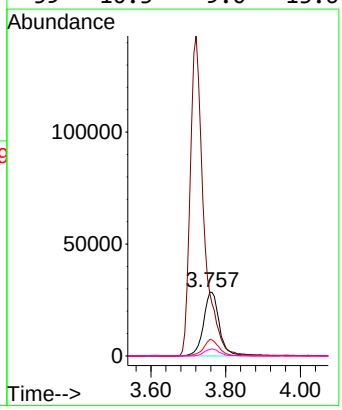
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

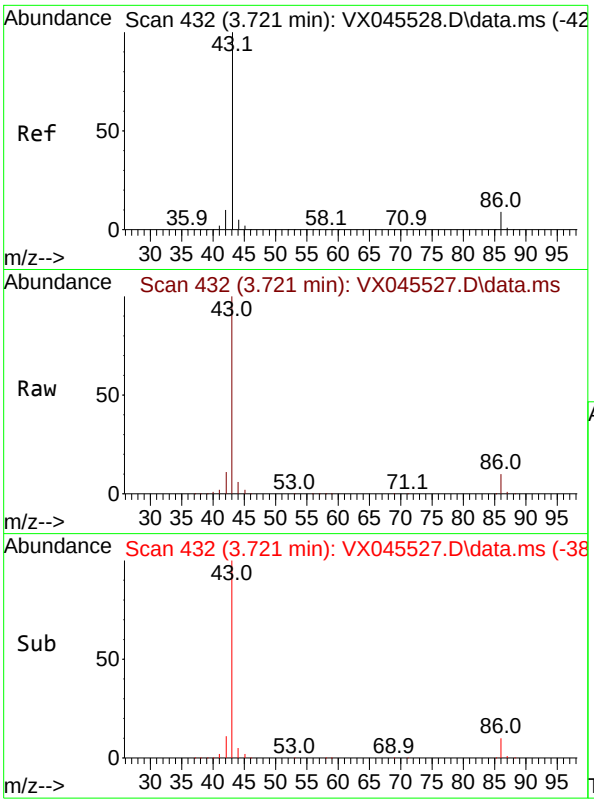


#22
Diisopropyl ether
Concen: 20.760 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 45 Resp: 84046

Ion	Ratio	Lower	Upper
45	100		
43	98.0	59.3	88.9#
87	25.9	20.4	30.6
59	10.3	9.0	13.6





#23
Vinyl Acetate
Concen: 103.458 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

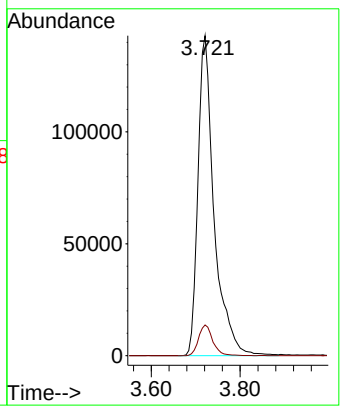
Tgt Ion: 43 Resp: 36188

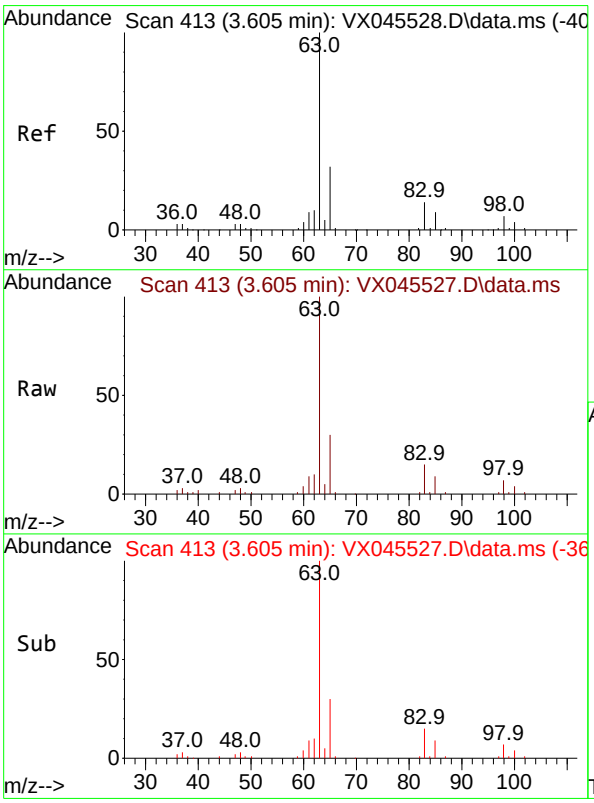
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

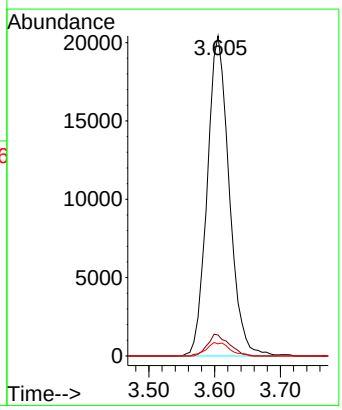


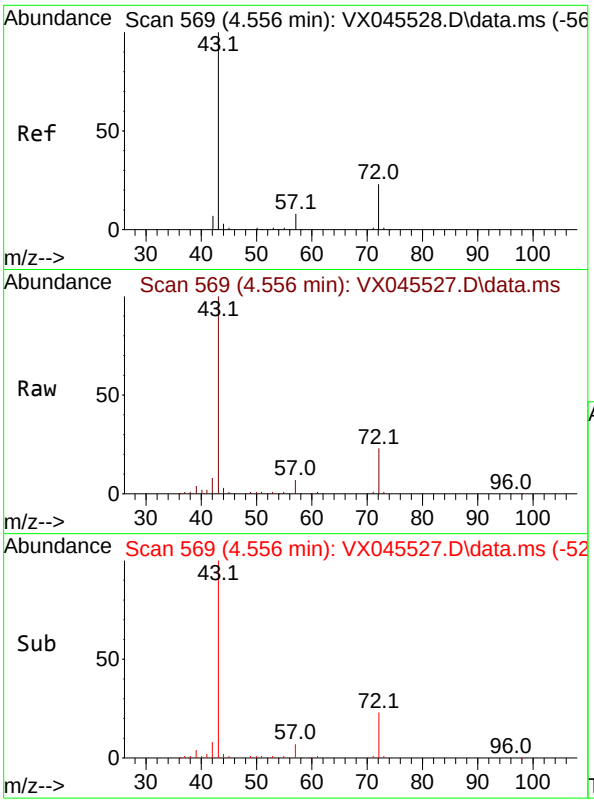


#24
1,1-Dichloroethane
Concen: 20.772 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 63 Resp: 47560

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	3.8	2.2	6.6

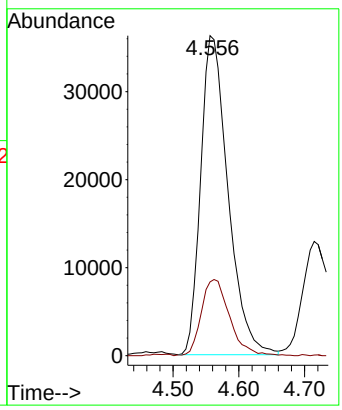




#25
2-Butanone
Concen: 105.931 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 10506

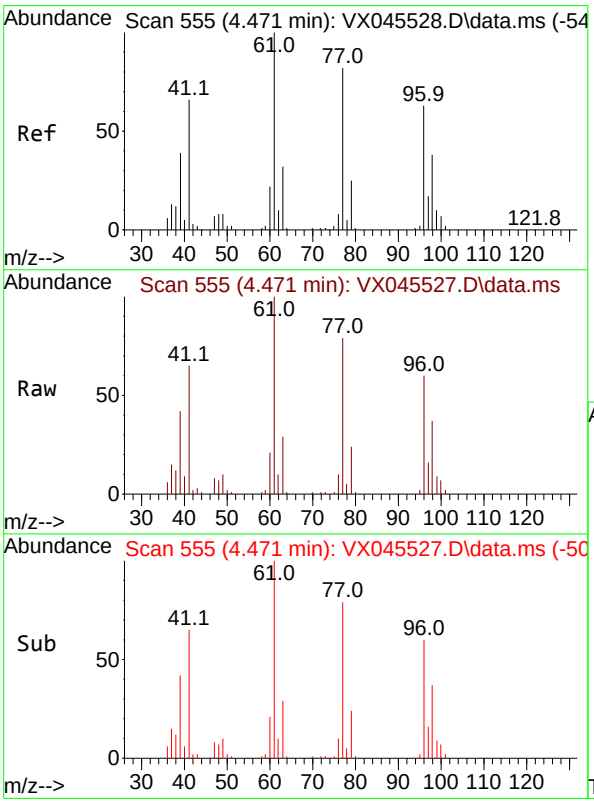
Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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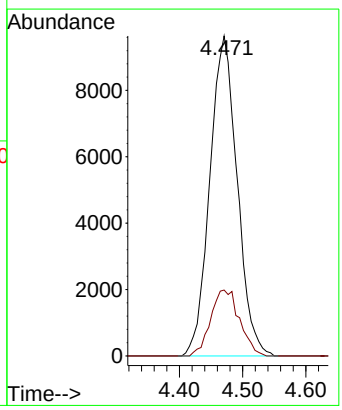
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

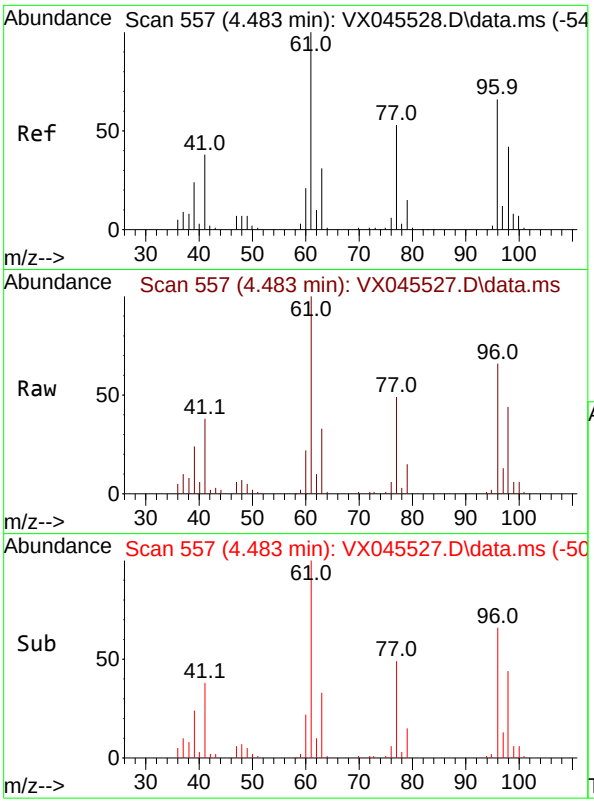


#26
2,2-Dichloropropane
Concen: 19.574 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 77 Resp: 28956

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.6	31.8

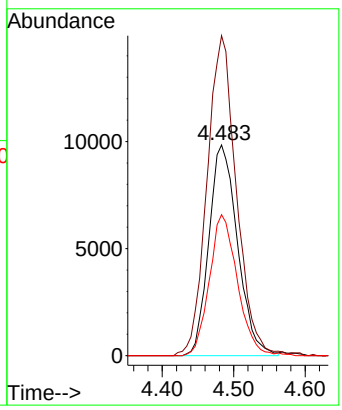




#27
cis-1,2-Dichloroethene
Concen: 20.342 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 96 Resp: 2742

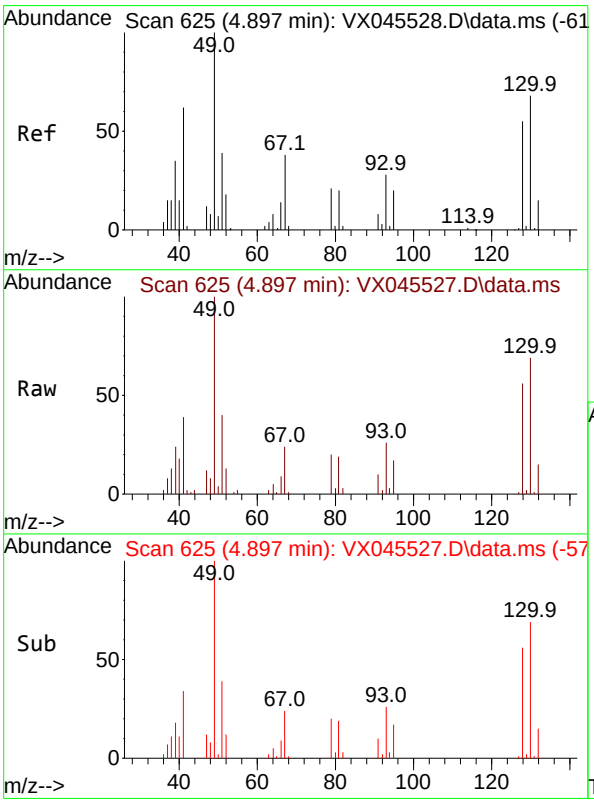
Ion	Ratio	Lower	Upper
96	100		
61	155.2	0.0	313.2
98	65.5	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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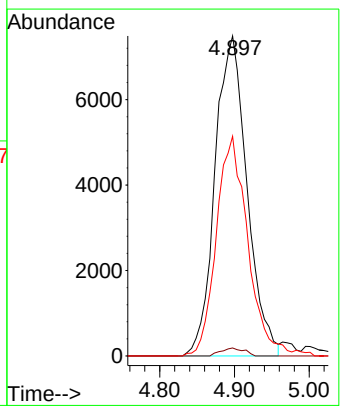
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

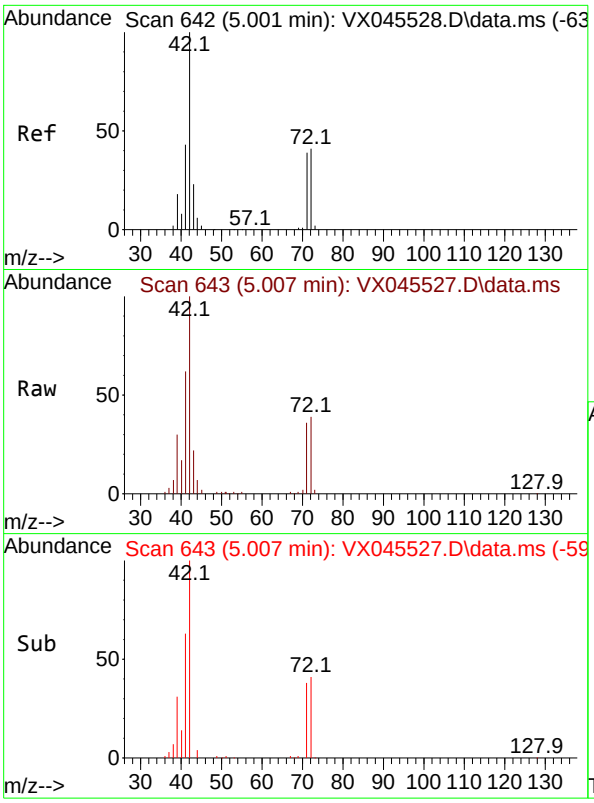


#28
Bromochloromethane
Concen: 20.141 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 49 Resp: 22285

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	68.0	54.6	81.8

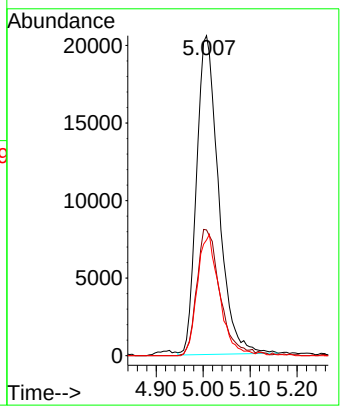




#29
Tetrahydrofuran
Concen: 104.187 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 42 Resp: 6699

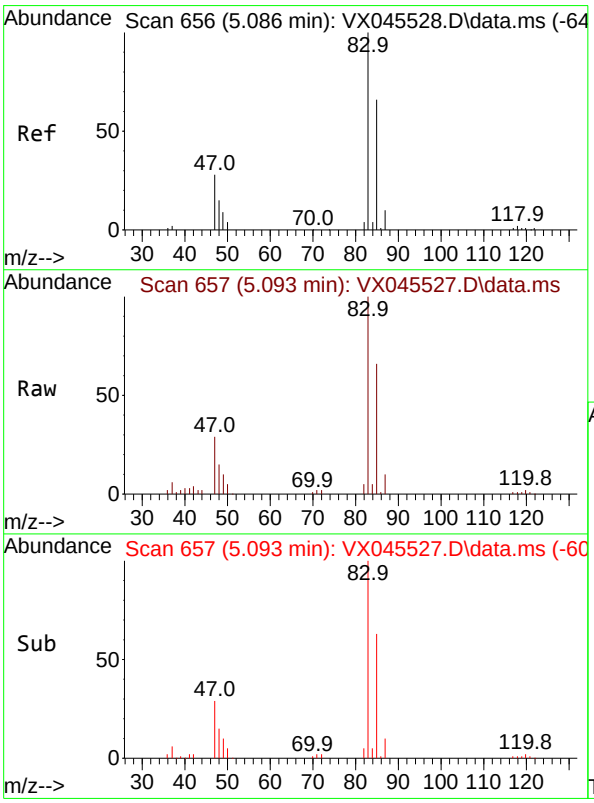
Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.4	50.0
71	38.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

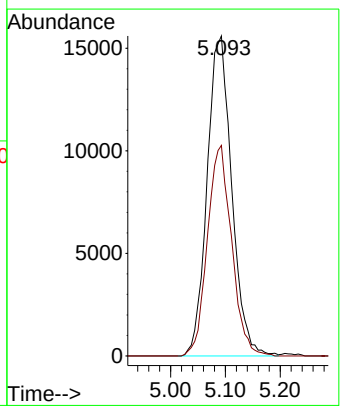
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

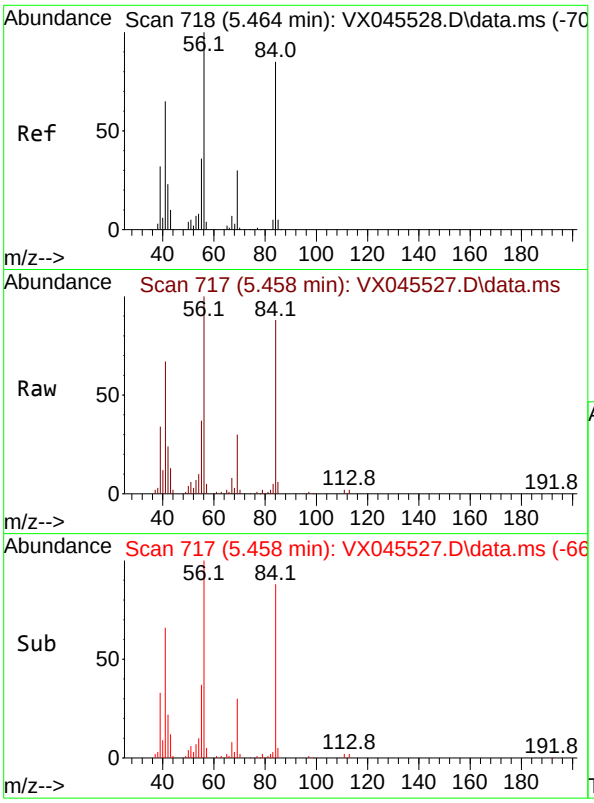


#30
Chloroform
Concen: 20.646 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 83 Resp: 48639

Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.8	79.2

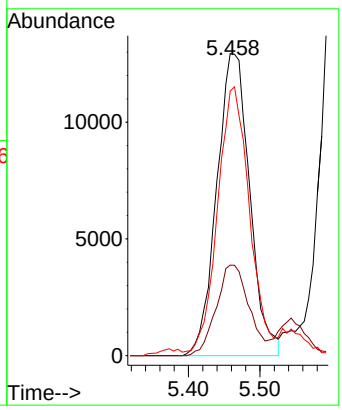




#31
Cyclohexane
Concen: 20.478 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 56 Resp: 4145

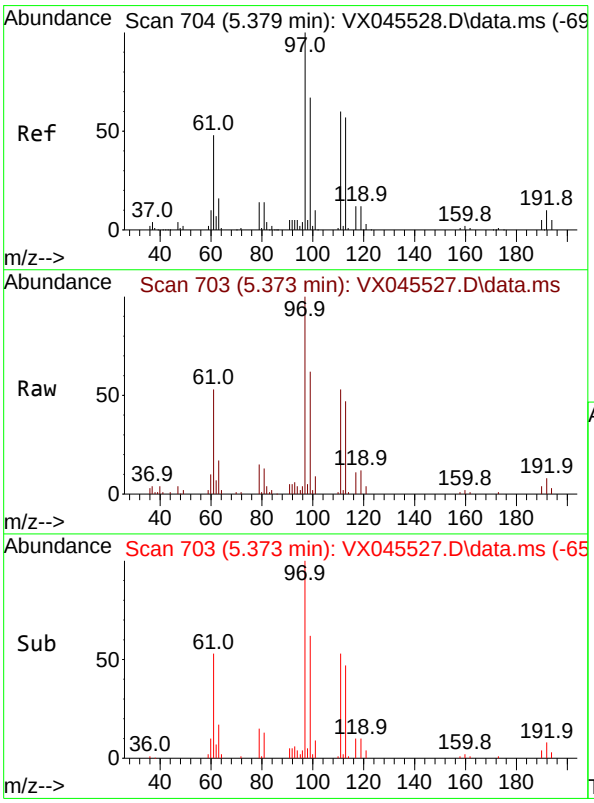
Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.6	35.4
84	85.5	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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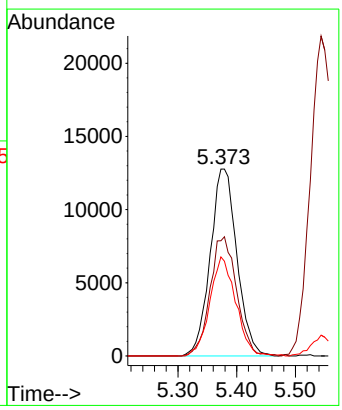
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

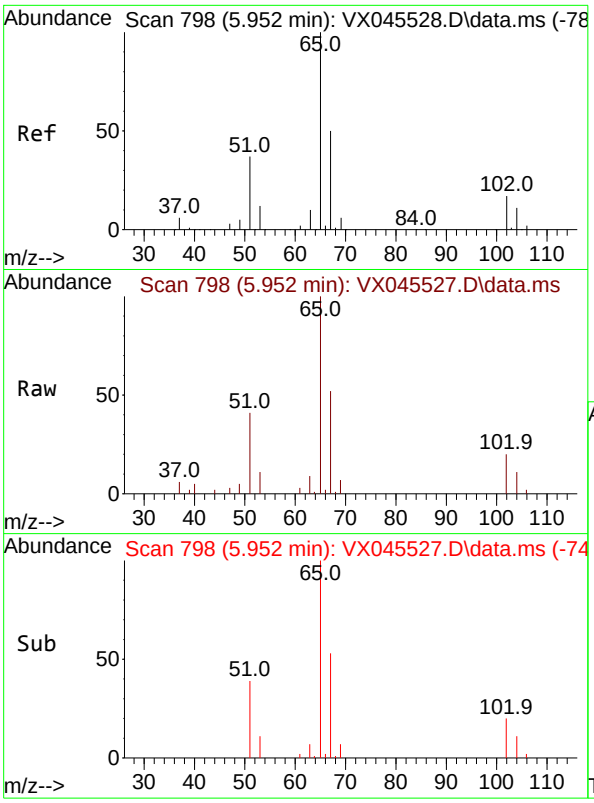


#32
1,1,1-Trichloroethane
Concen: 20.270 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 97 Resp: 40407

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.7	77.5
61	51.3	41.0	61.4

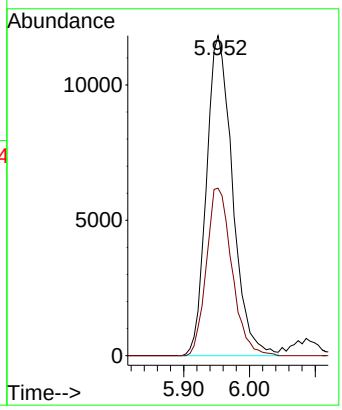




#33
1,2-Dichloroethane-d4
Concen: 19.697 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 65 Resp: 3250

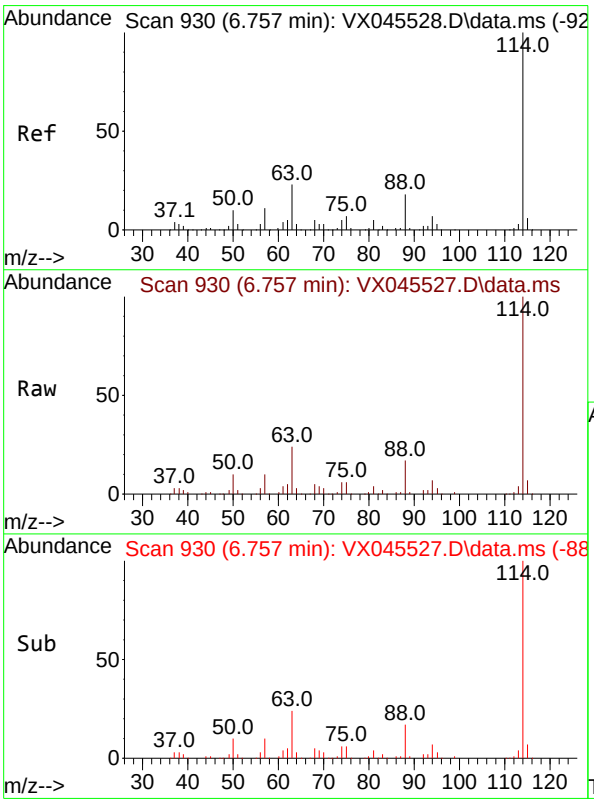
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

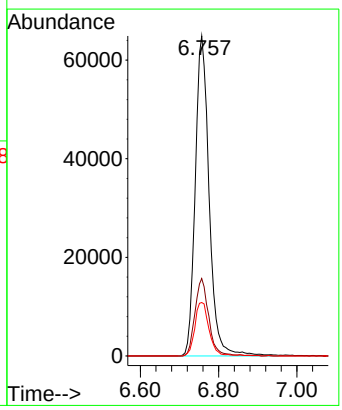
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

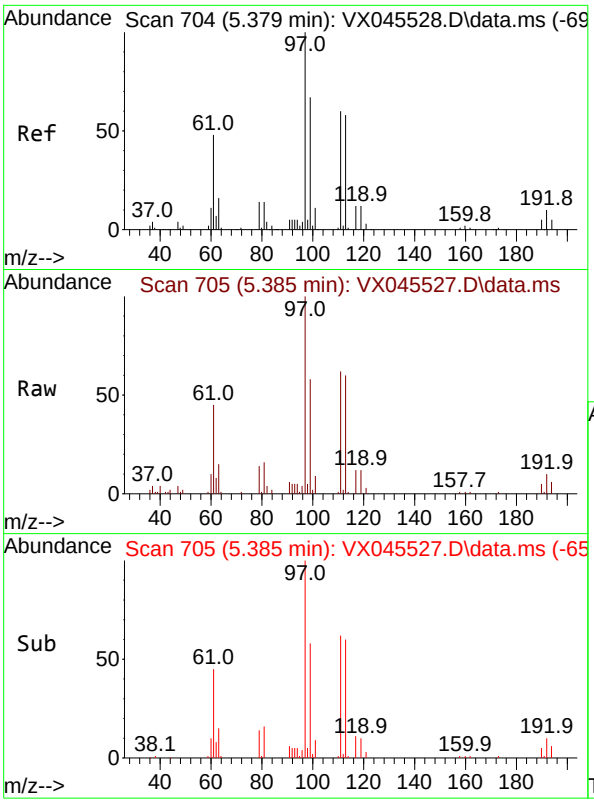


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:114 Resp: 160754

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	46.8
88	16.7	0.0	35.4

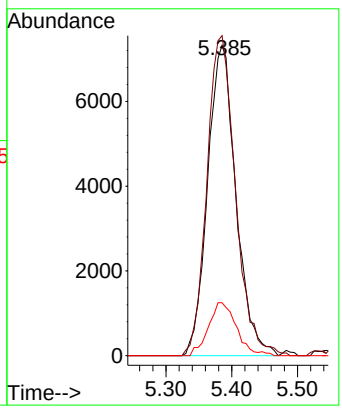




#35
Dibromofluoromethane
Concen: 19.256 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:113 Resp: 2196

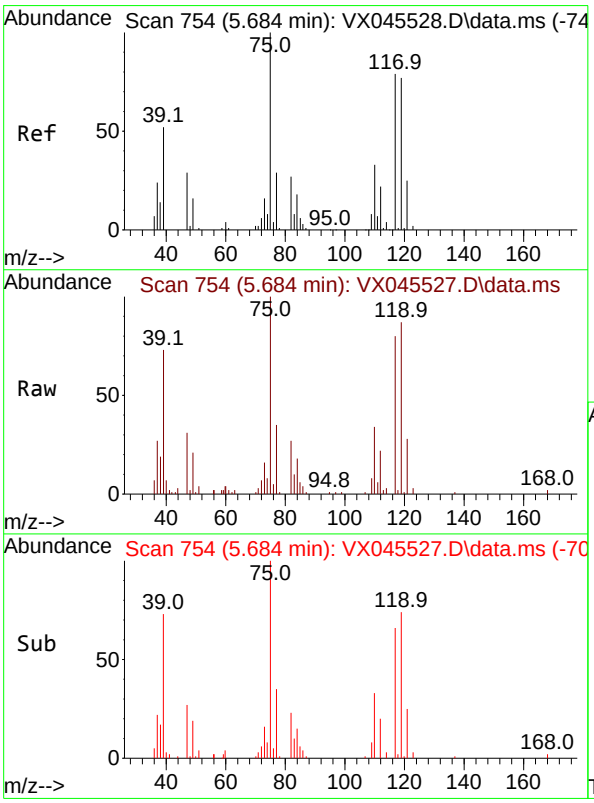
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.6
192	17.0	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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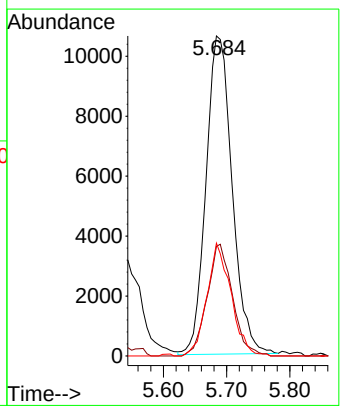
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

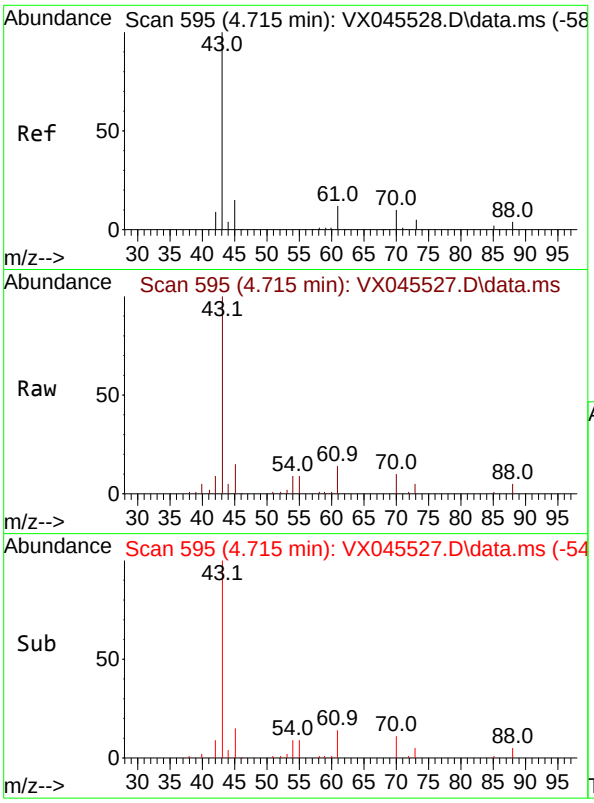


#36
1,1-Dichloropropene
Concen: 19.808 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 30504

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	32.7	25.0	37.4





#37
Ethyl Acetate
Concen: 20.180 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

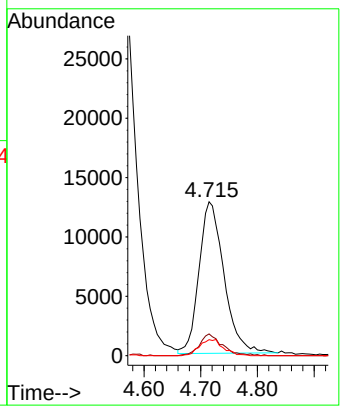
Tgt Ion: 43 Resp: 3916

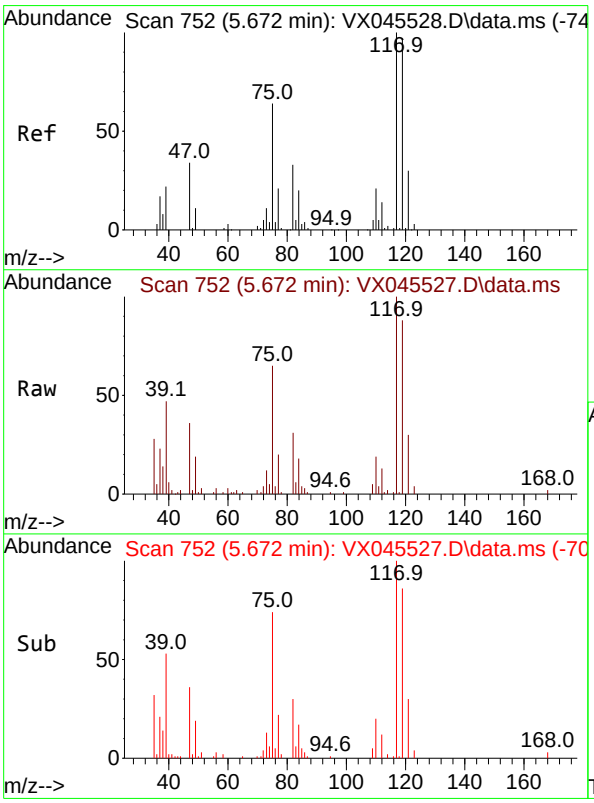
Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.9	14.9
70	10.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

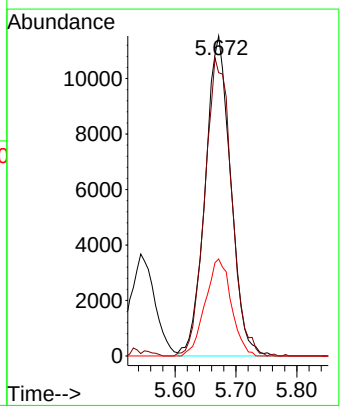


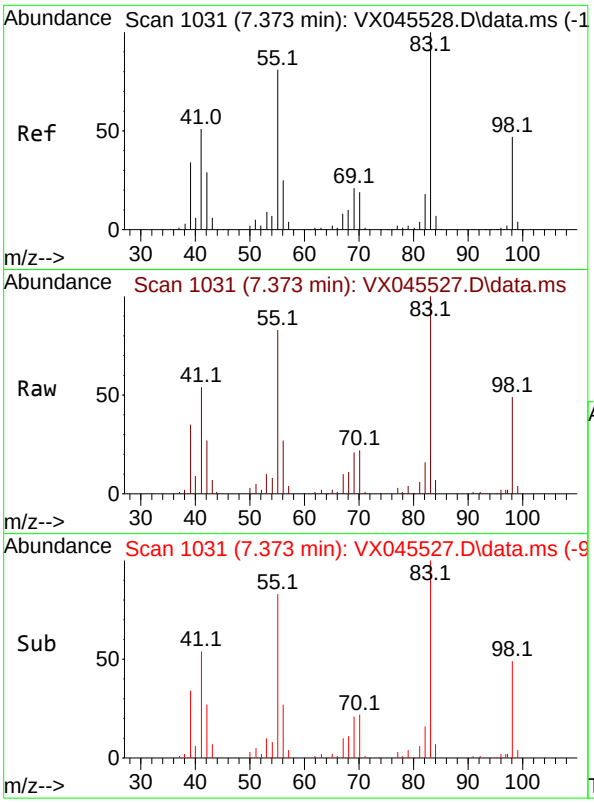


#38
Carbon Tetrachloride
Concen: 20.148 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:117 Resp: 33533

Ion	Ratio	Lower	Upper
117	100		
119	88.5	76.9	115.3
121	30.3	24.2	36.2

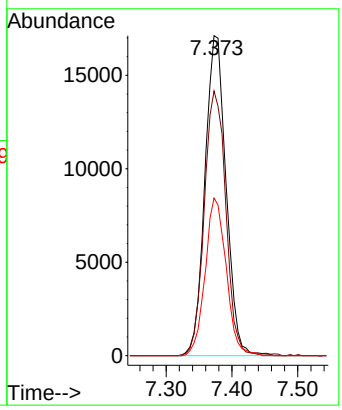




#39
Methylcyclohexane
Concen: 20.291 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 83 Resp: 3830

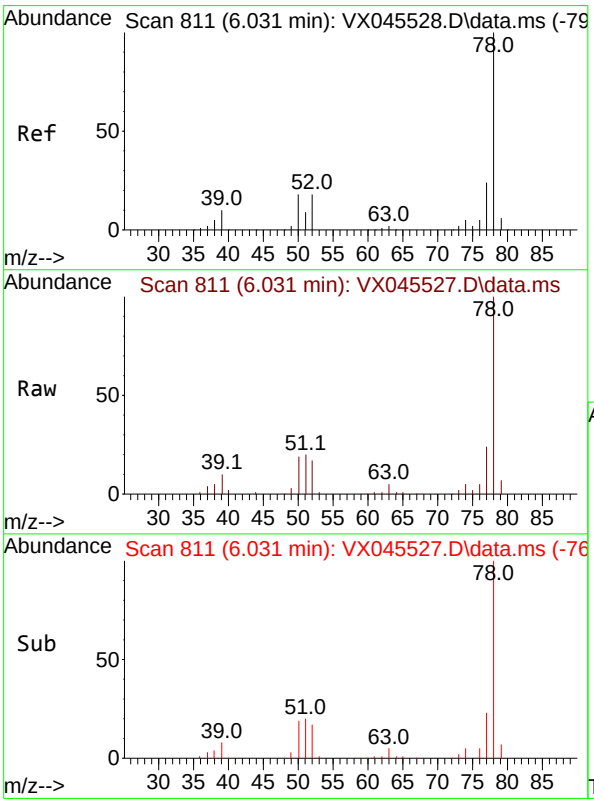
Ion	Ratio	Lower	Upper
83	100		
55	82.7	64.9	97.3
98	49.2	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

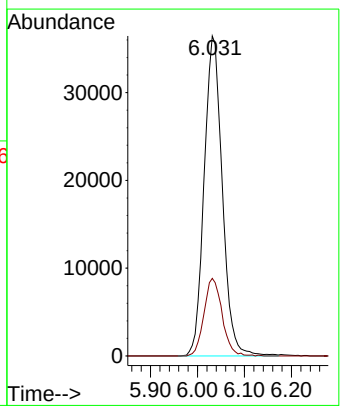
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

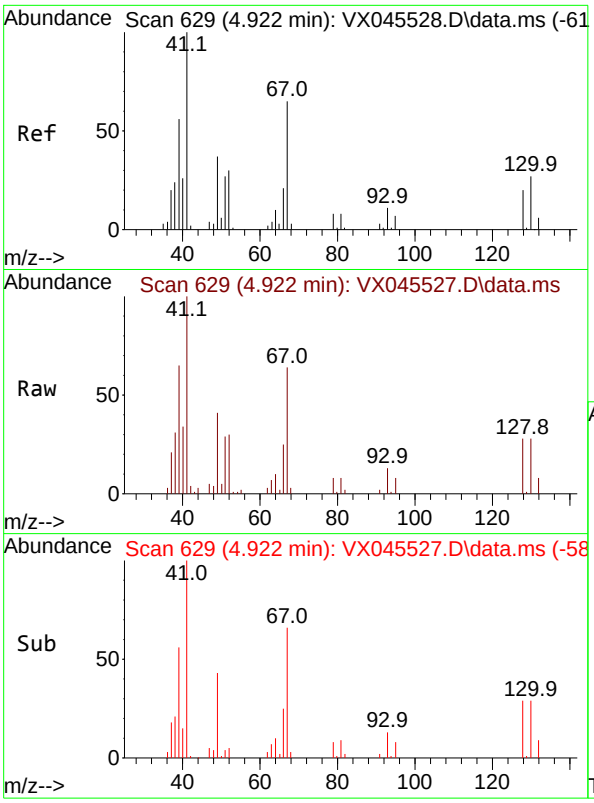


#40
Benzene
Concen: 20.766 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 78 Resp: 97667

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6

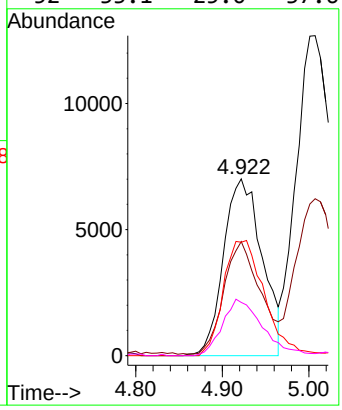




#41
Methacrylonitrile
Concen: 21.046 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 41 Resp: 2174

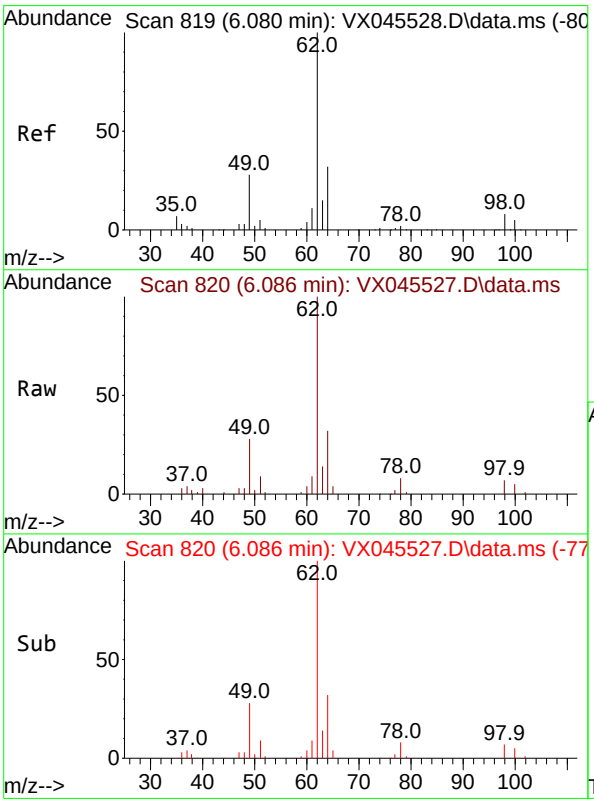
Ion	Ratio	Lower	Upper
41	100		
39	60.3	47.0	70.6
67	69.9	53.2	79.8
52	33.1	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

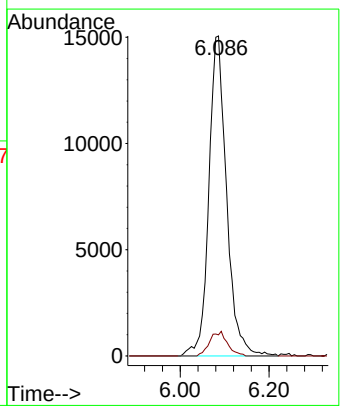
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

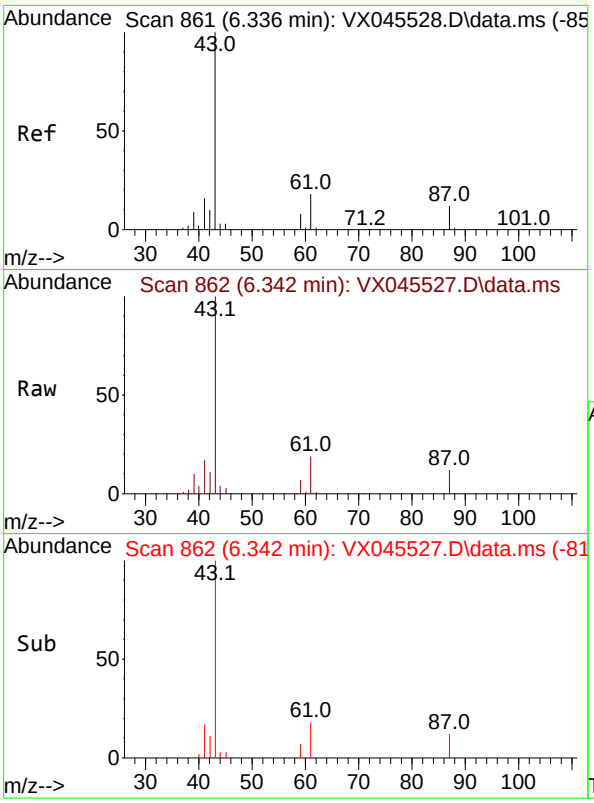


#42
1,2-Dichloroethane
Concen: 21.484 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 62 Resp: 41733

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.2





#43
Isopropyl Acetate
Concen: 20.814 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

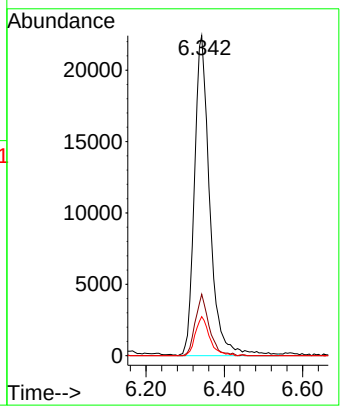
Tgt Ion: 43 Resp: 6122

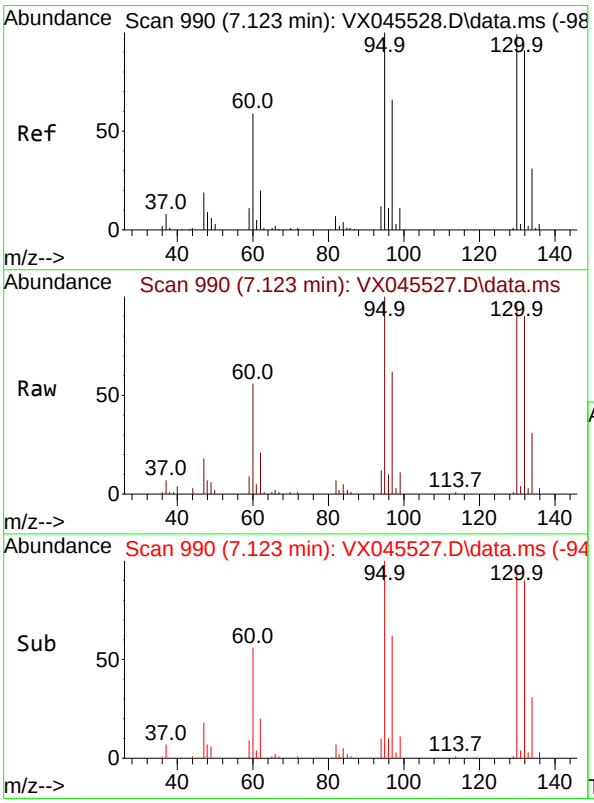
Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.1	21.1
87	11.2	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

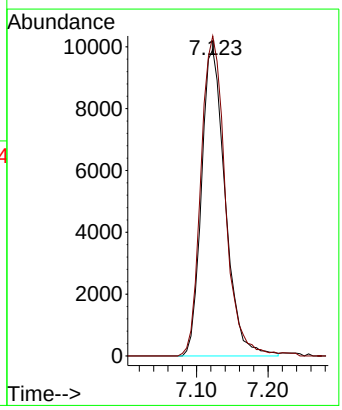


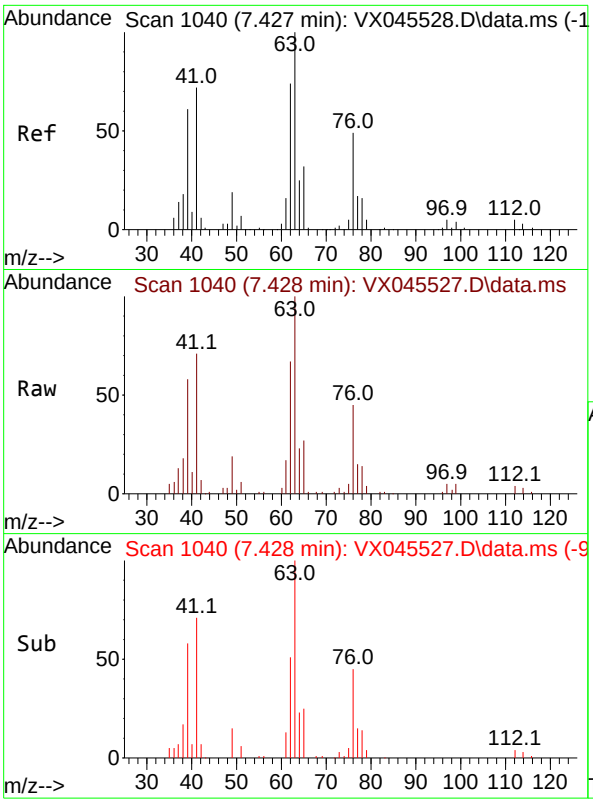


#44
Trichloroethene
Concen: 20.501 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:130 Resp: 22918

Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	202.0

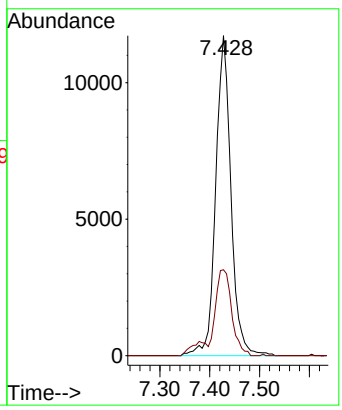




#45
1,2-Dichloropropane
Concen: 21.241 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 63 Resp: 2492

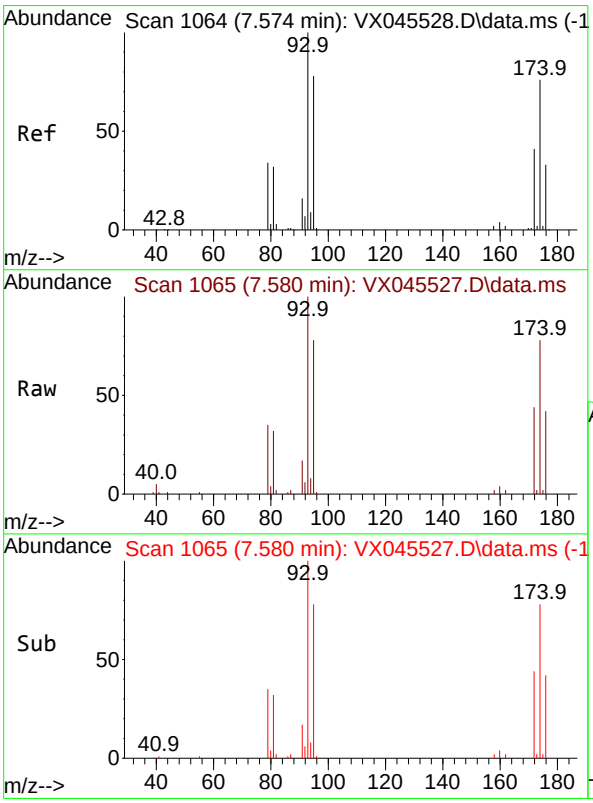
Ion	Ratio	Lower	Upper
63	100		
65	26.9	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

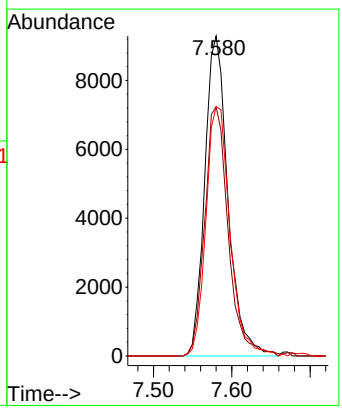
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

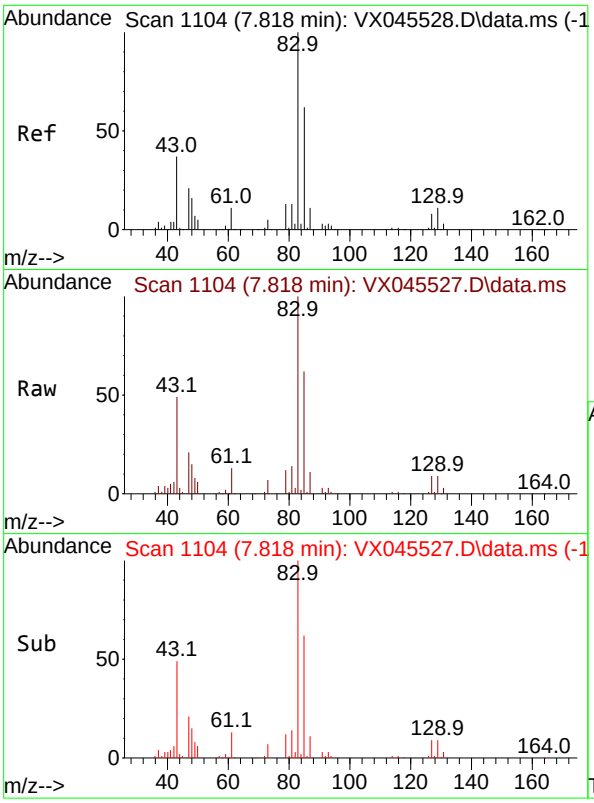


#46
Dibromomethane
Concen: 21.207 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 93 Resp: 19104

Ion	Ratio	Lower	Upper
93	100		
95	79.2	64.8	97.2
174	81.1	65.4	98.0

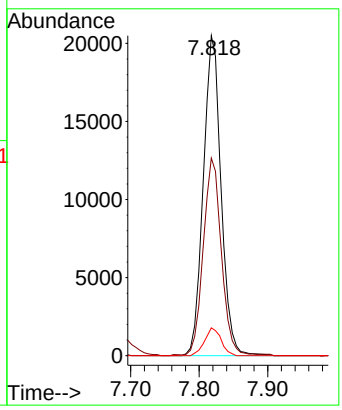




#47
Bromodichloromethane
Concen: 20.587 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 83 Resp: 3703

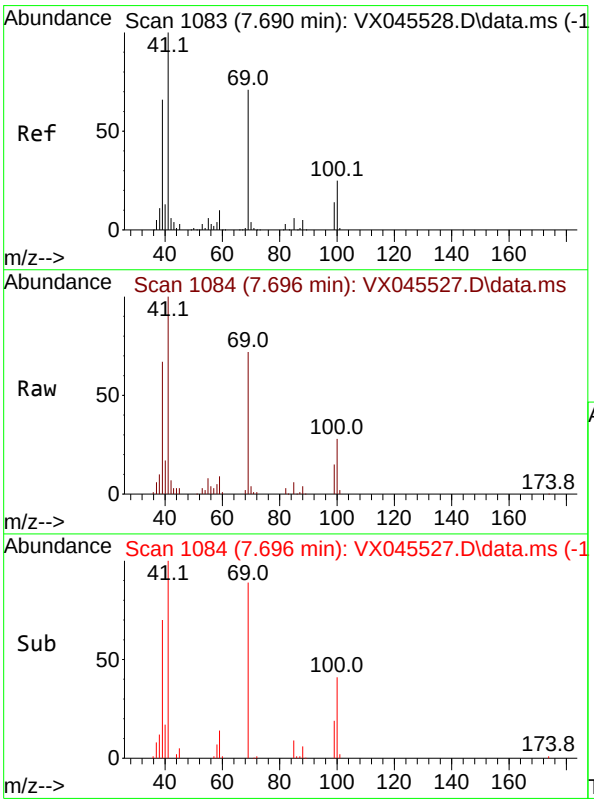
Ion	Ratio	Lower	Upper
83	100		
85	61.7	49.7	74.5
127	8.7	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

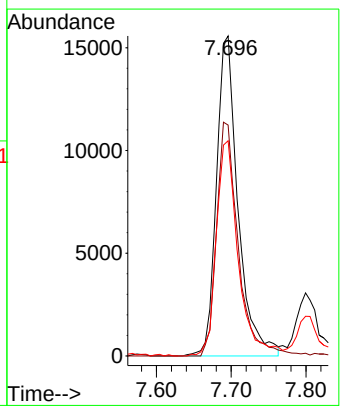
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

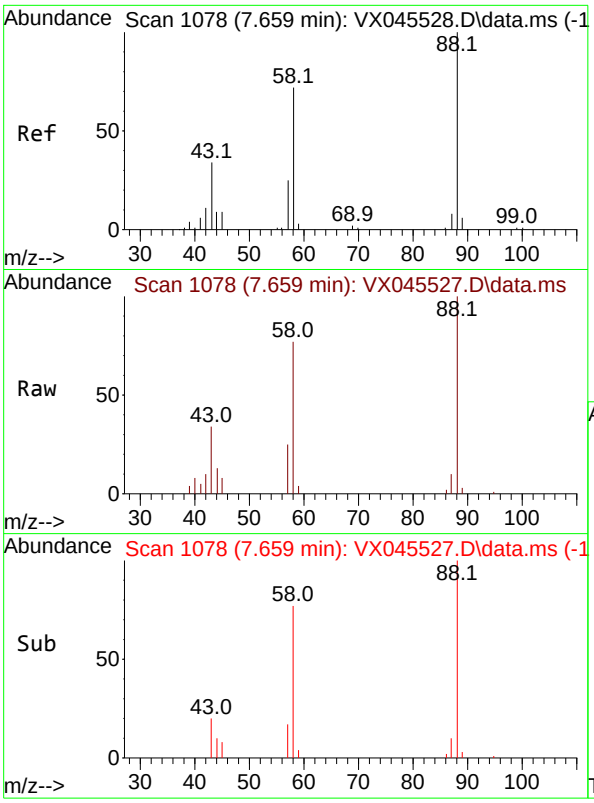


#48
Methyl methacrylate
Concen: 20.575 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 41 Resp: 31247

Ion	Ratio	Lower	Upper
41	100		
69	73.4	58.2	87.2
39	68.7	53.6	80.4





#49
1,4-Dioxane
Concen: 440.515 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

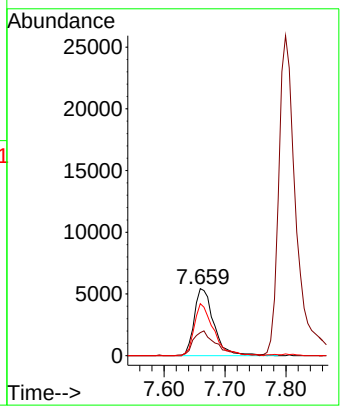
Tgt Ion: 88 Resp: 1210

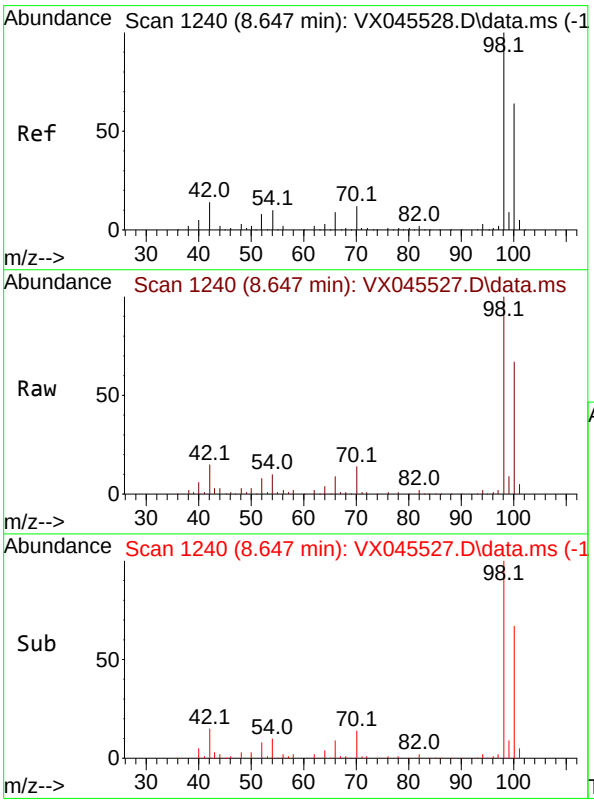
Ion	Ratio	Lower	Upper
88	100		
43	43.5	32.2	48.4
58	76.4	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

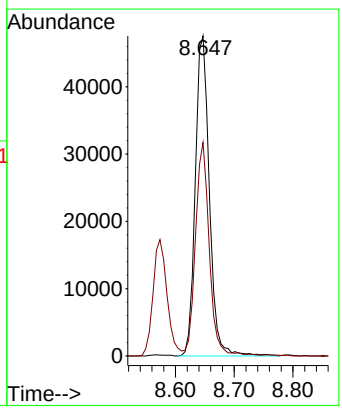


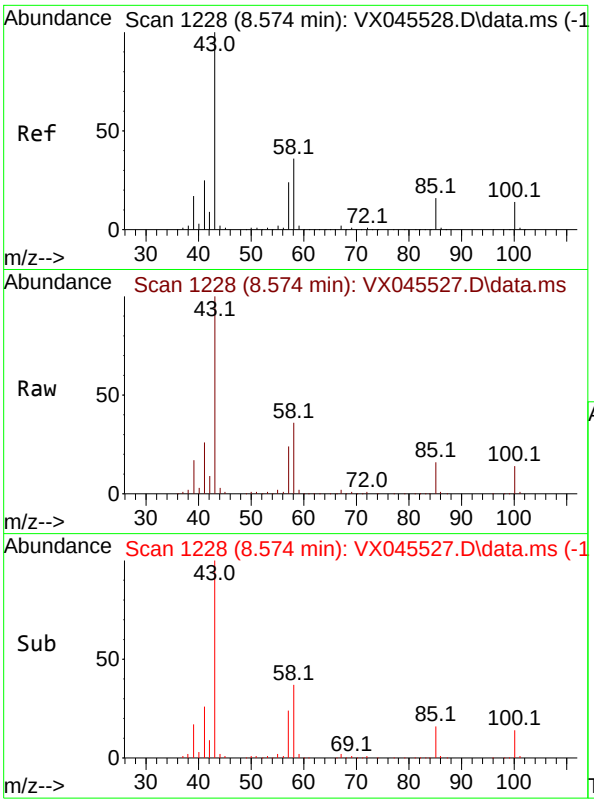


#50
Toluene-d8
Concen: 19.921 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 98 Resp: 79303

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.4

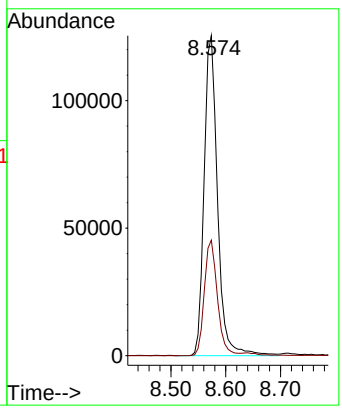




#51
4-Methyl-2-Pentanone
Concen: 109.055 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 21264

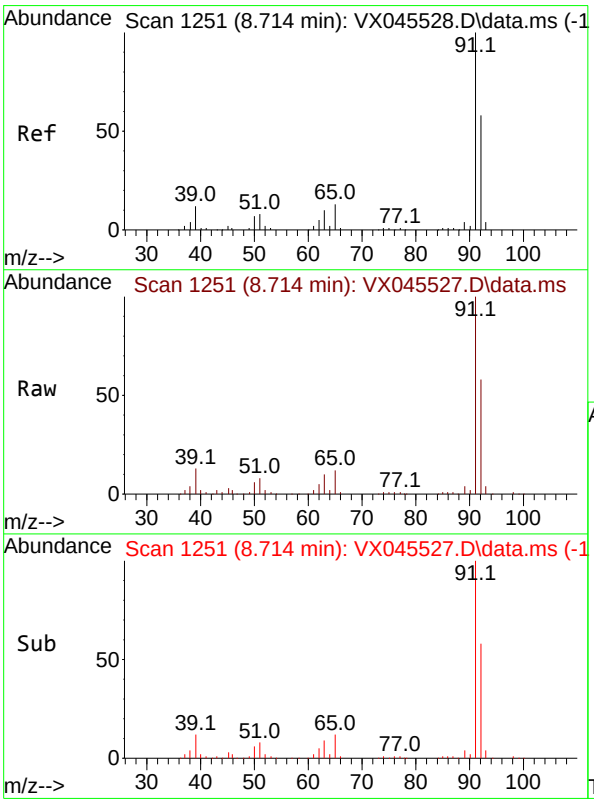
Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

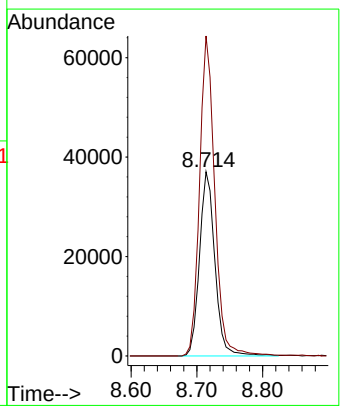
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

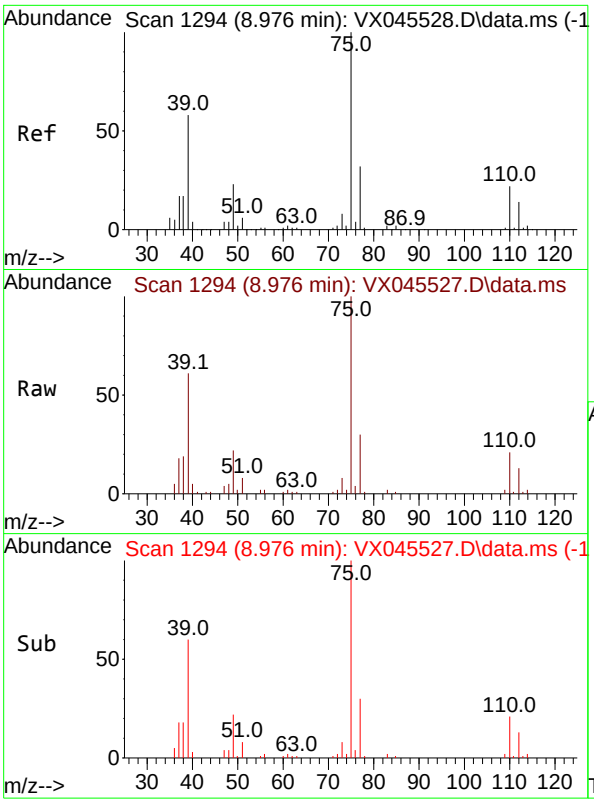


#52
Toluene
Concen: 21.208 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 92 Resp: 60357

Ion	Ratio	Lower	Upper
92	100		
91	171.6	138.7	208.1

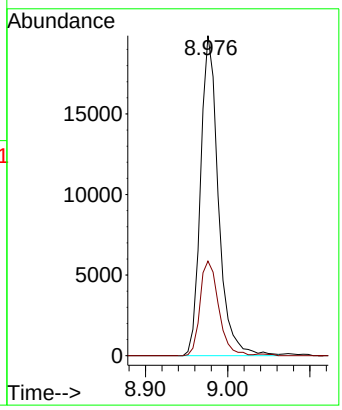




#53
t-1,3-Dichloropropene
Concen: 18.764 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 2987

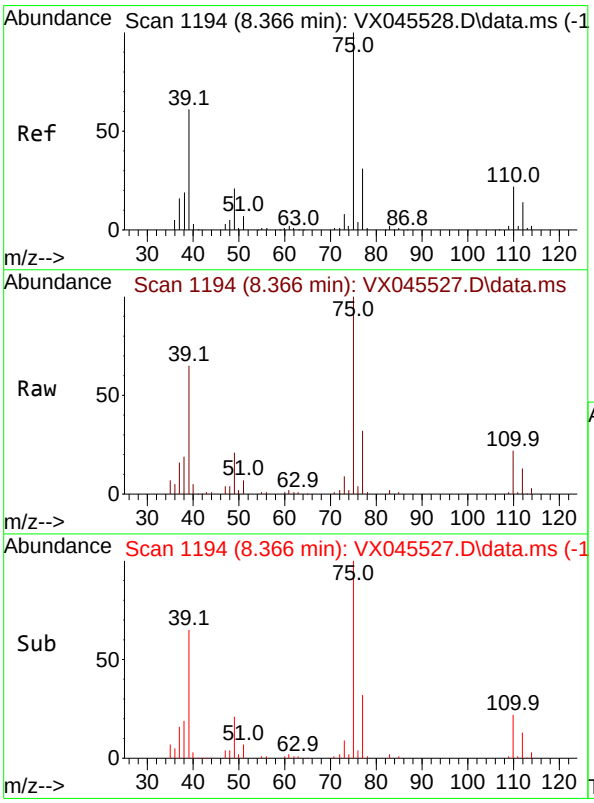
Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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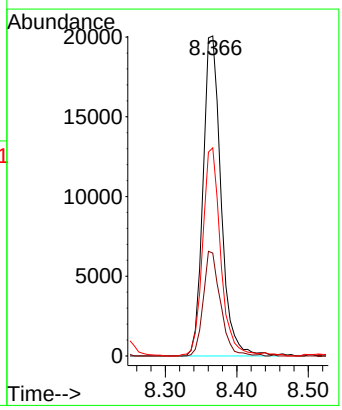
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

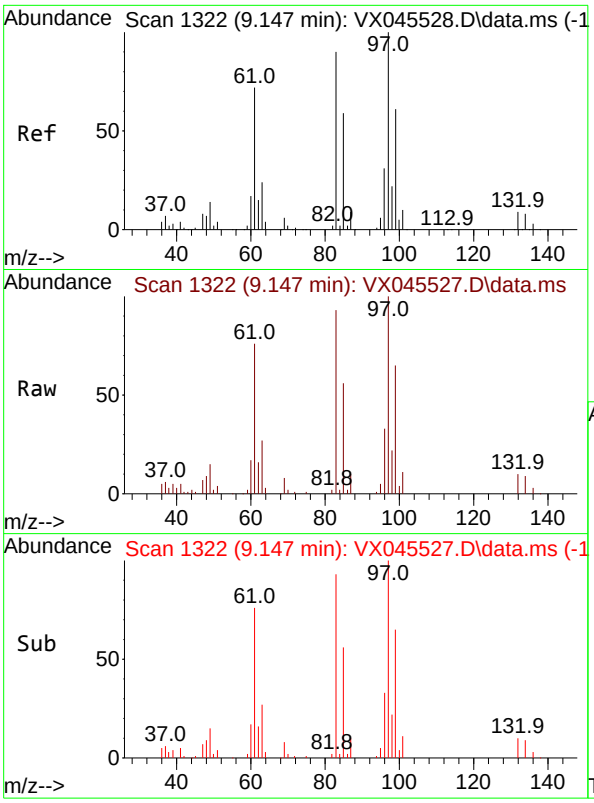


#54
cis-1,3-Dichloropropene
Concen: 20.762 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 35099

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.6	36.8
39	65.0	48.4	72.6

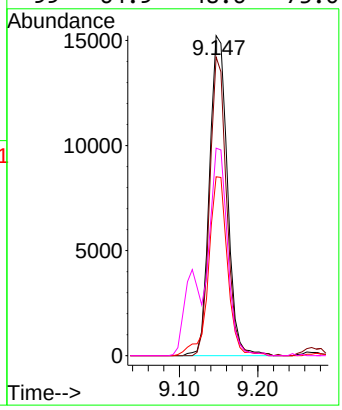




#55
1,1,2-Trichloroethane
Concen: 21.331 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 97 Resp: 2419

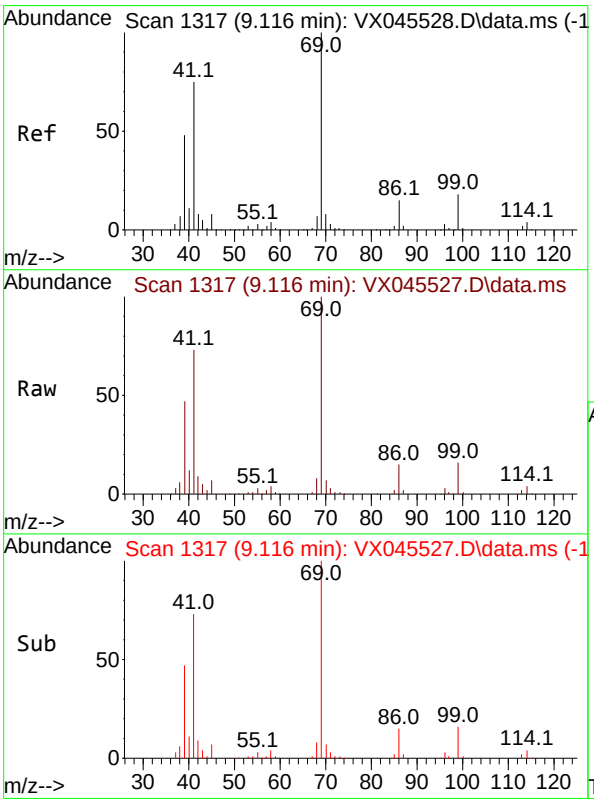
Ion	Ratio	Lower	Upper
97	100		
83	93.4	71.8	107.8
85	55.9	47.0	70.6
99	64.9	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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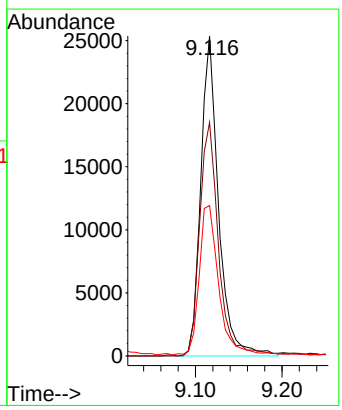
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

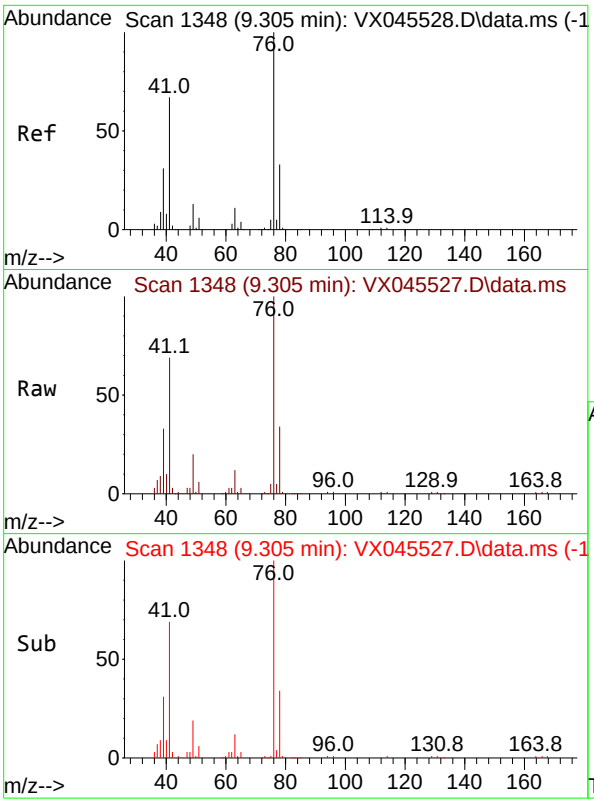


#56
Ethyl methacrylate
Concen: 20.600 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 69 Resp: 36155

Ion	Ratio	Lower	Upper
69	100		
41	77.4	61.3	91.9
39	51.5	40.2	60.2

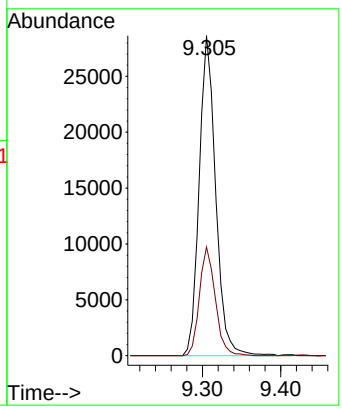




#57
1,3-Dichloropropane
Concen: 21.217 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 76 Resp: 4190

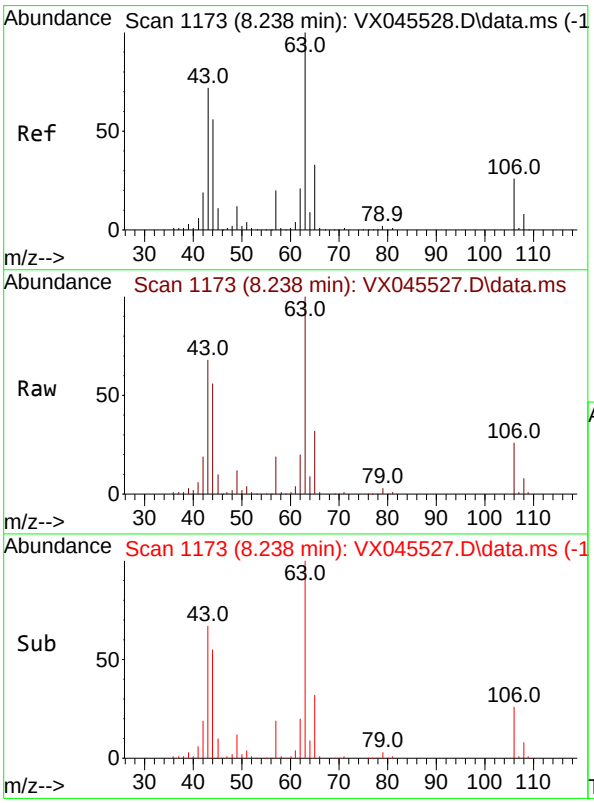
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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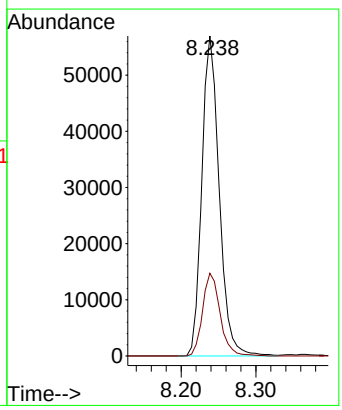
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

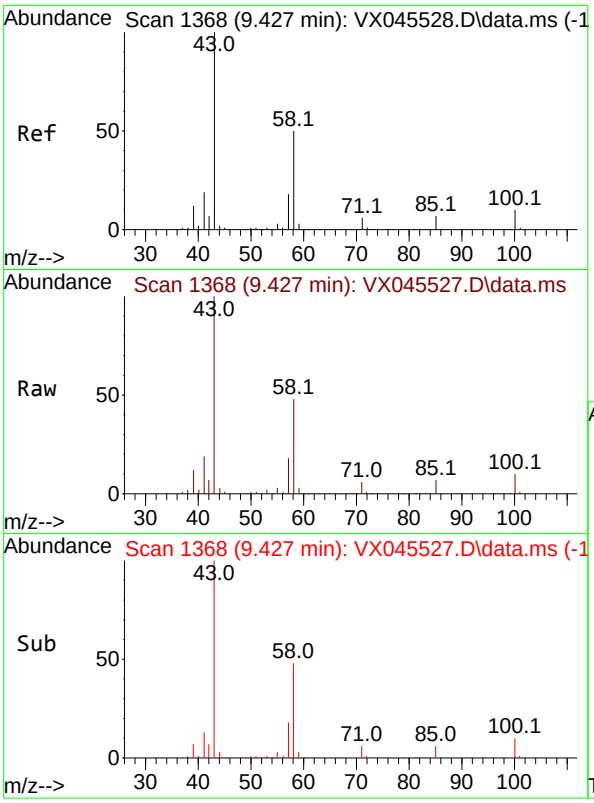


#58
2-Chloroethyl Vinyl ether
Concen: 103.534 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 63 Resp: 91923

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.0	31.6

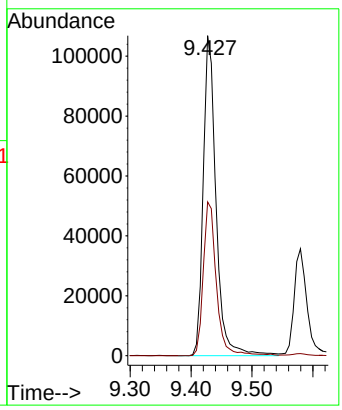




#59
2-Hexanone
Concen: 108.730 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 15699

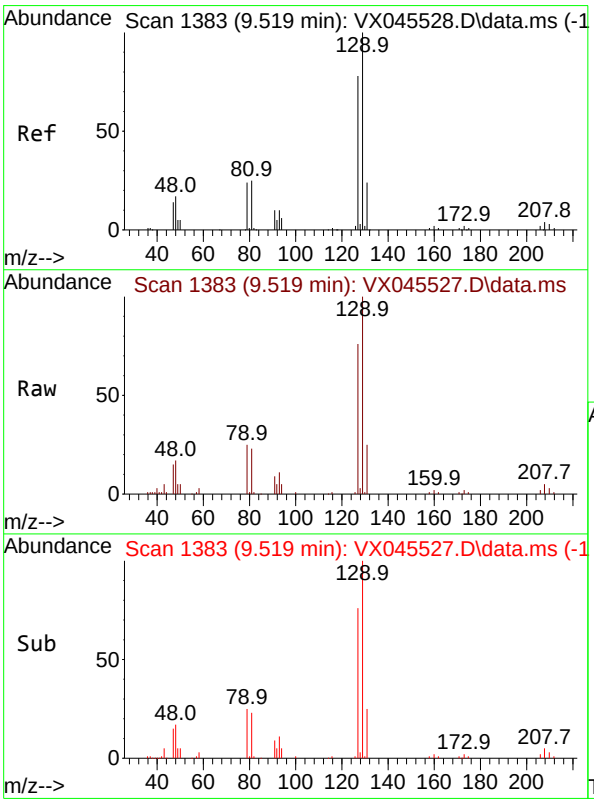
Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

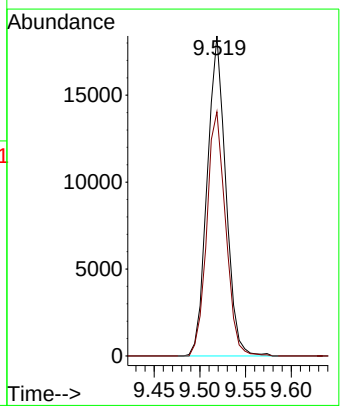
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

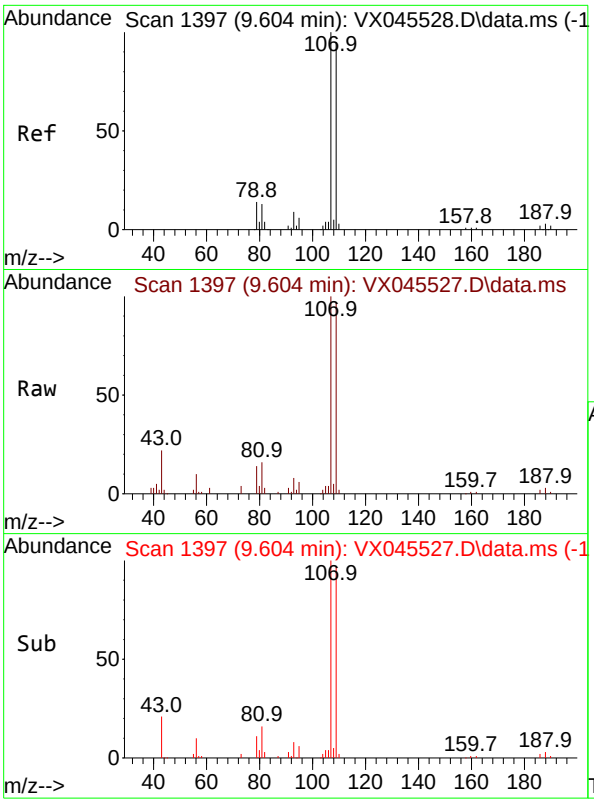


#60
Dibromochloromethane
Concen: 21.023 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:129 Resp: 25992

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.4	118.2

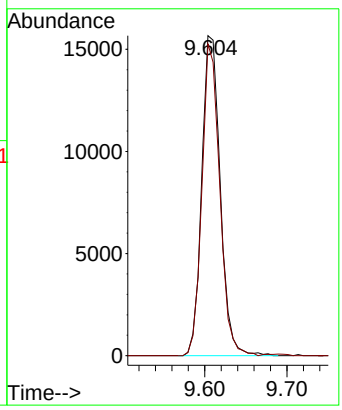




#61
1,2-Dibromoethane
Concen: 21.303 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:107 Resp: 2445

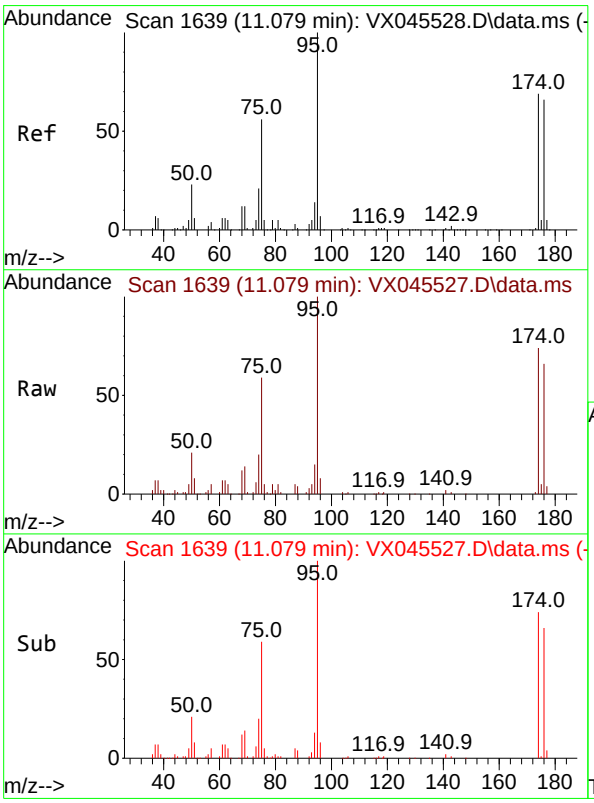
Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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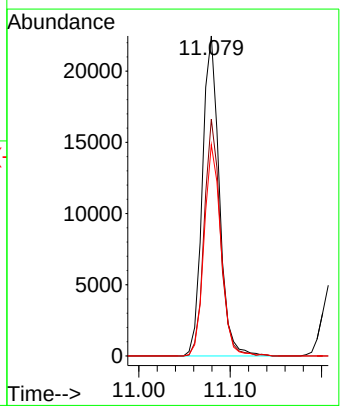
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

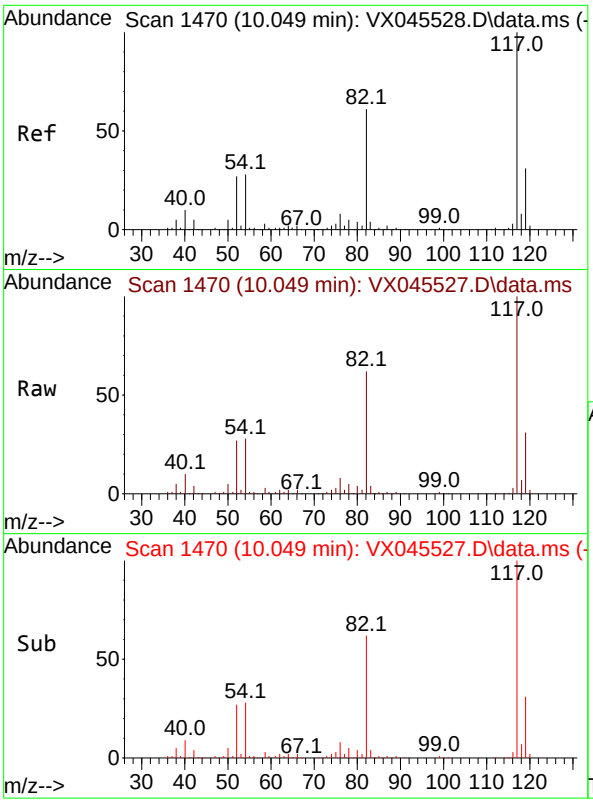


#62
4-Bromofluorobenzene
Concen: 19.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 95 Resp: 28795

Ion	Ratio	Lower	Upper
95	100		
174	71.1	0.0	135.8
176	65.8	0.0	131.4

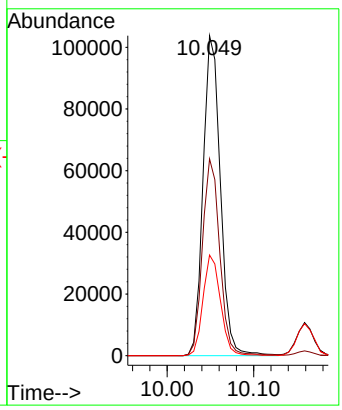




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:117 Resp: 14408

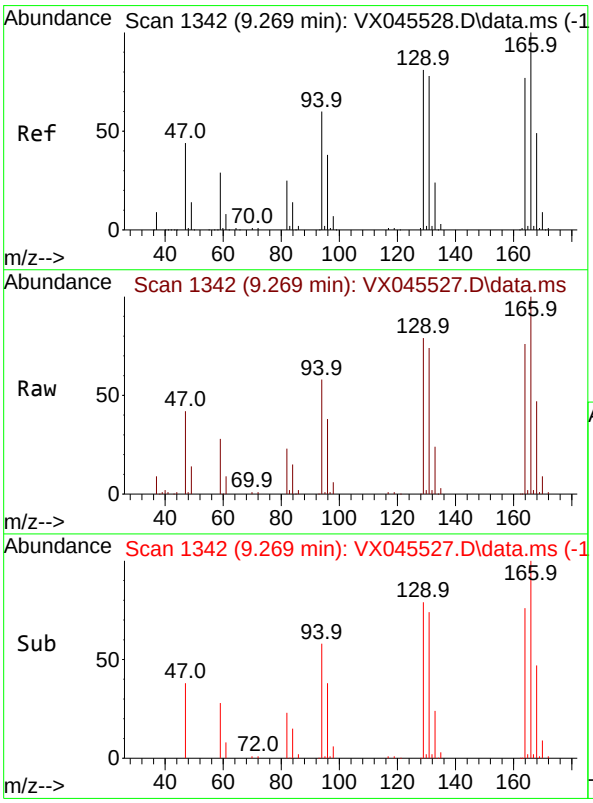
Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.2	73.8
119	31.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

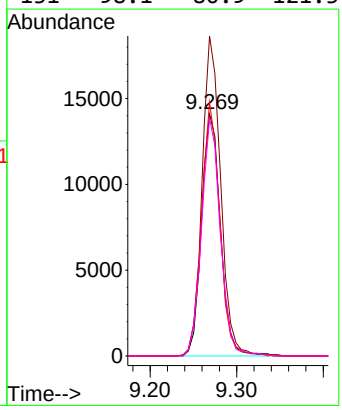
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

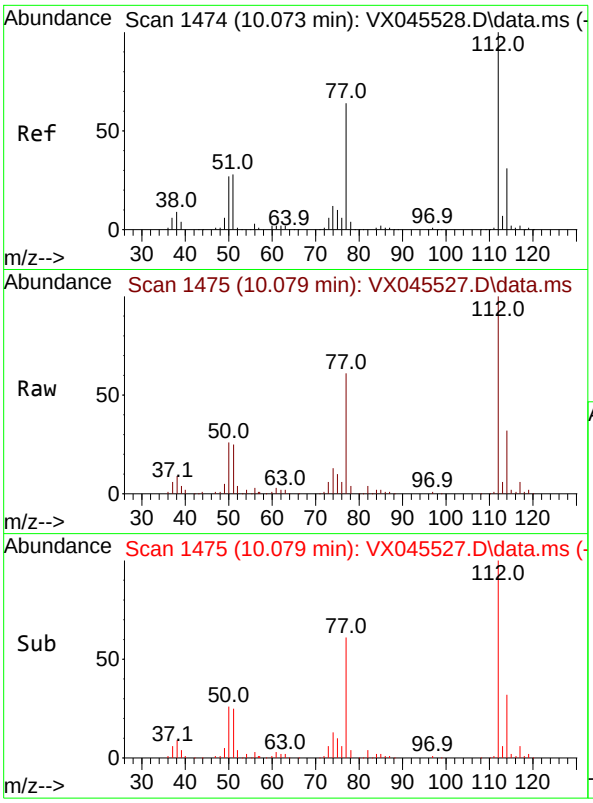


#64
Tetrachloroethene
Concen: 21.015 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:164 Resp: 21379

Ion	Ratio	Lower	Upper
164	100		
166	132.2	103.8	155.8
129	104.9	84.3	126.5
131	98.1	80.9	121.3

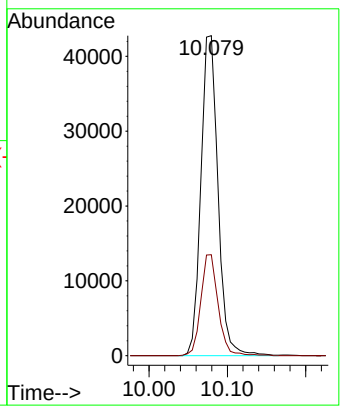




#65
Chlorobenzene
Concen: 21.023 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:112 Resp: 6472

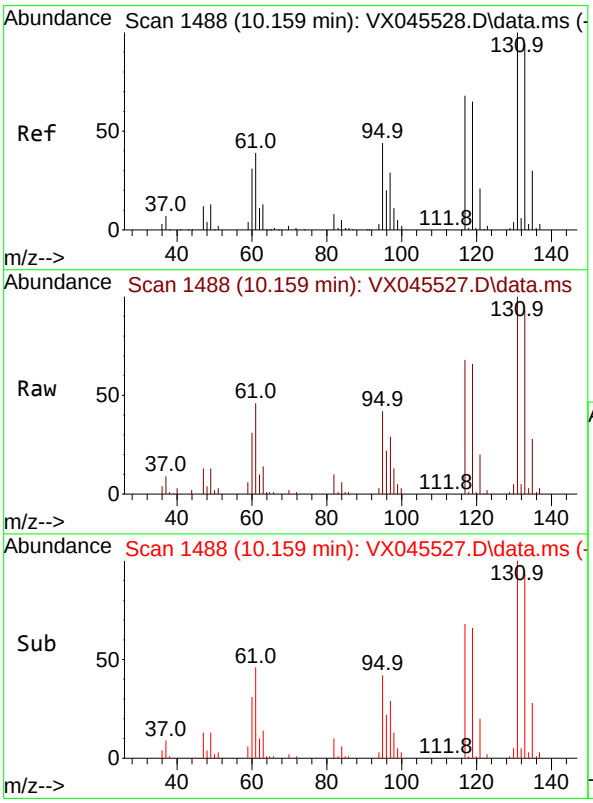
Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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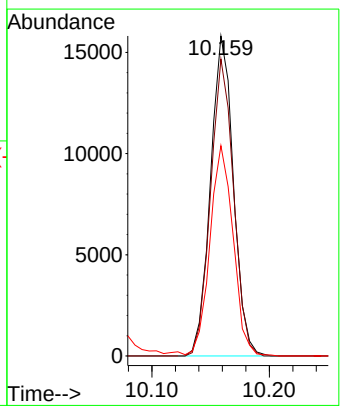
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

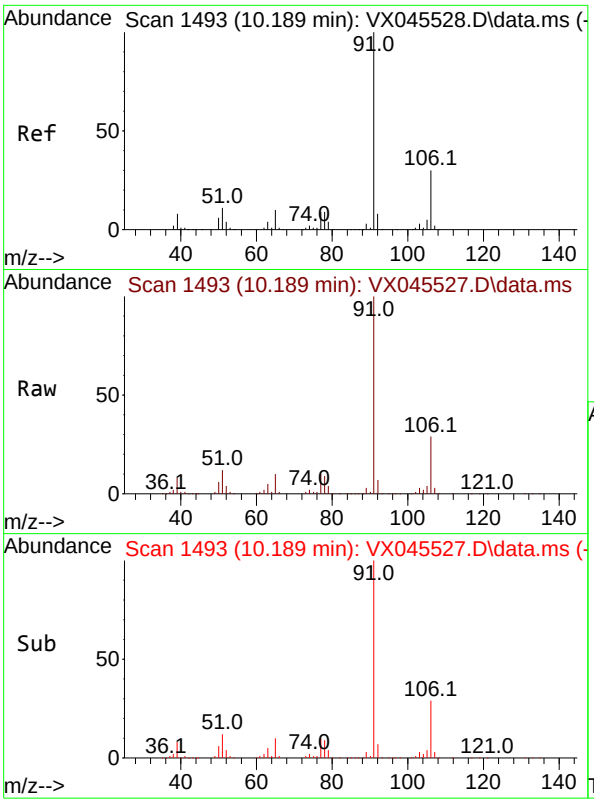


#66
1,1,1,2-Tetrachloroethane
Concen: 20.064 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:131 Resp: 21447

Ion	Ratio	Lower	Upper
131	100		
133	92.8	47.5	142.5
119	66.3	32.9	98.6

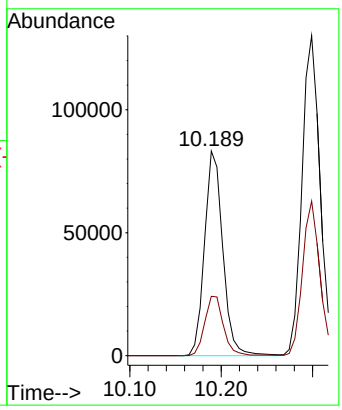




#67
Ethyl Benzene
Concen: 20.921 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 11536

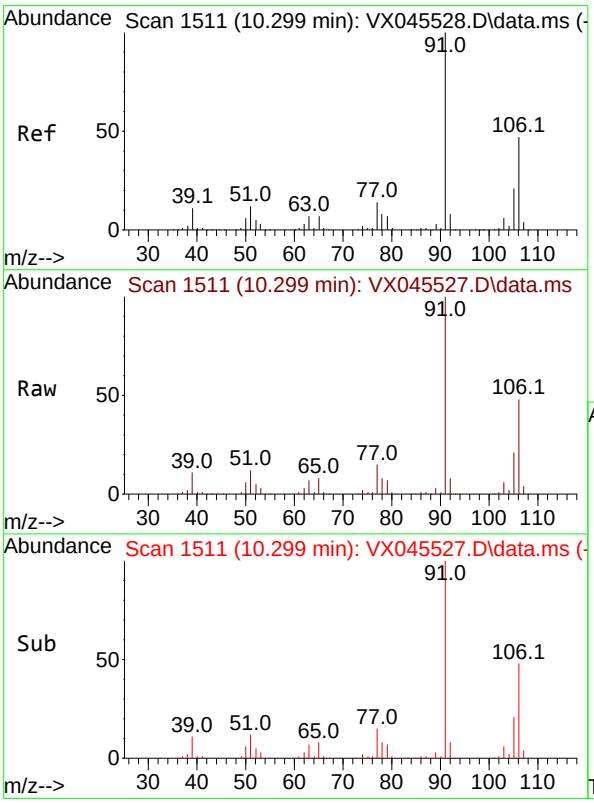
Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

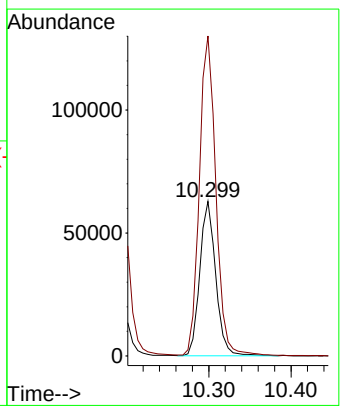
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

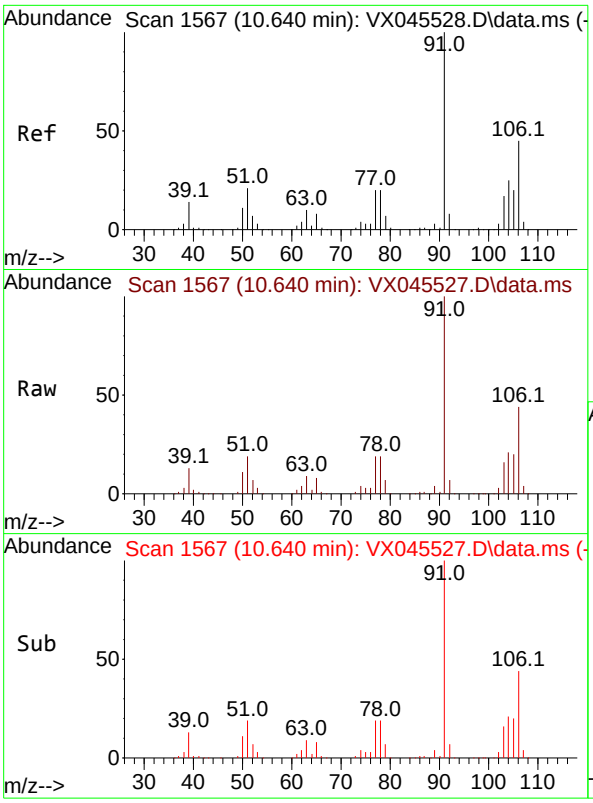


#68
m/p-Xylenes
Concen: 42.092 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:106 Resp: 84420

Ion	Ratio	Lower	Upper
106	100		
91	214.4	172.6	258.8

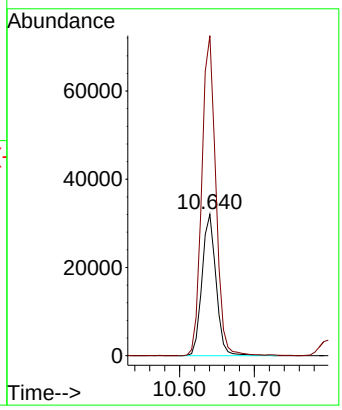




#69
o-Xylene
Concen: 21.158 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:106 Resp: 4180

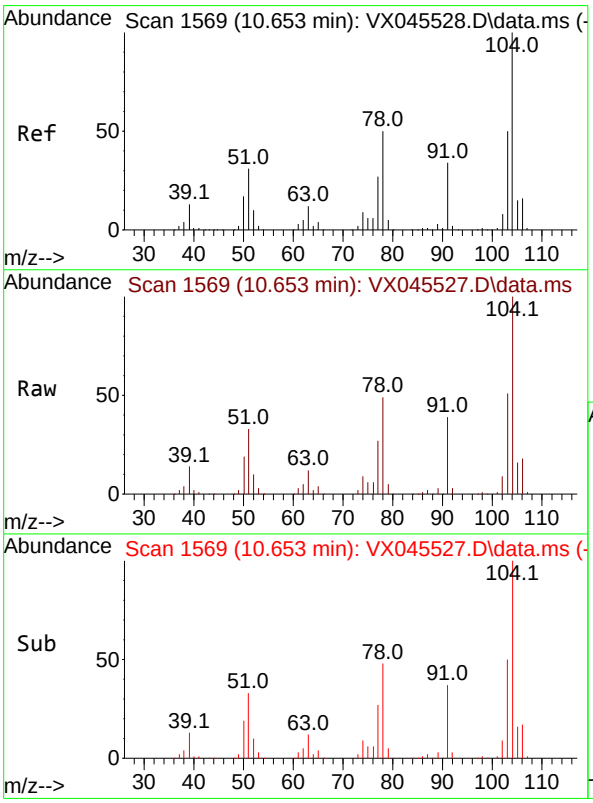
Ion	Ratio	Lower	Upper
106	100		
91	226.9	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

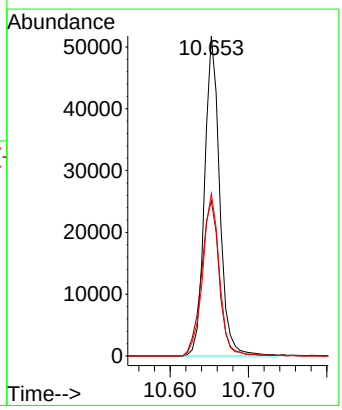
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

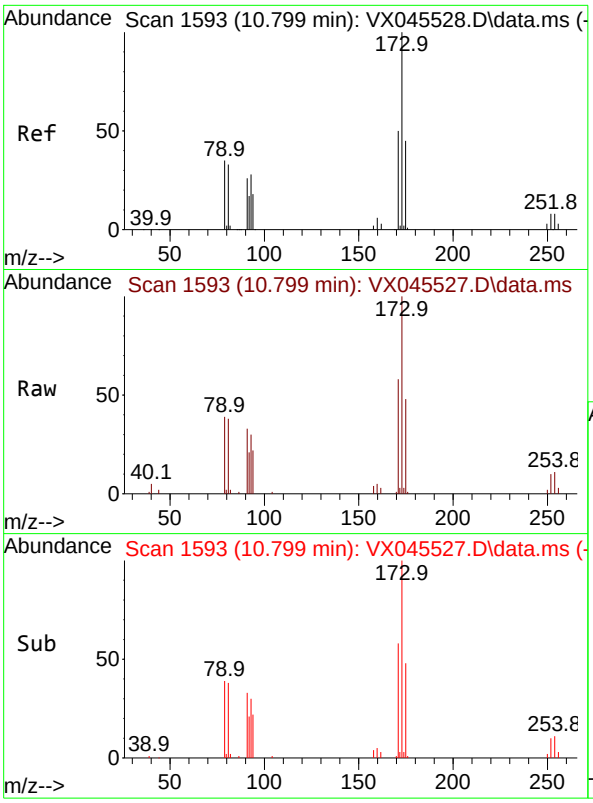


#70
Styrene
Concen: 21.249 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:104 Resp: 69290

Ion	Ratio	Lower	Upper
104	100		
78	57.0	45.4	68.2
103	56.5	43.8	65.8

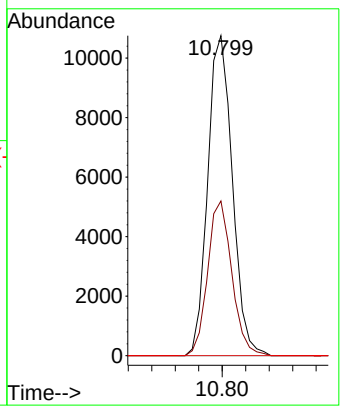




#71
Bromoform
Concen: 19.619 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:173 Resp: 1565

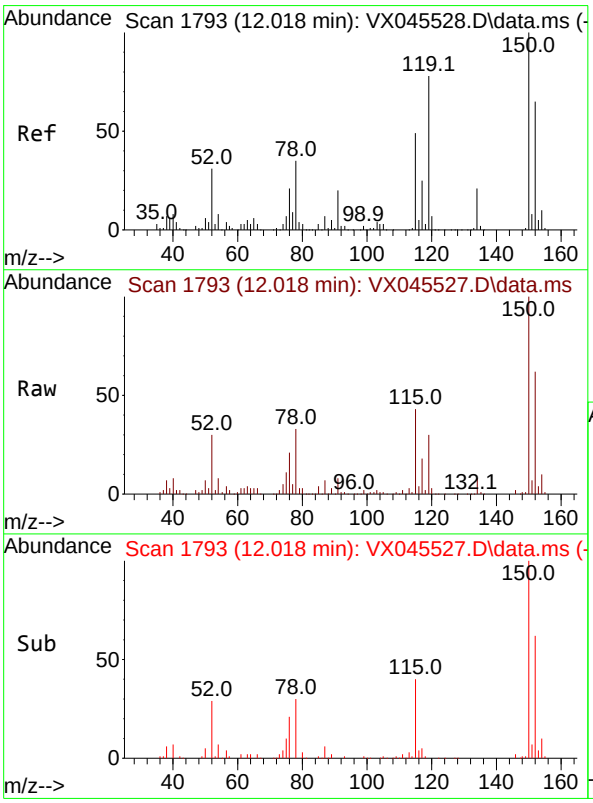
Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

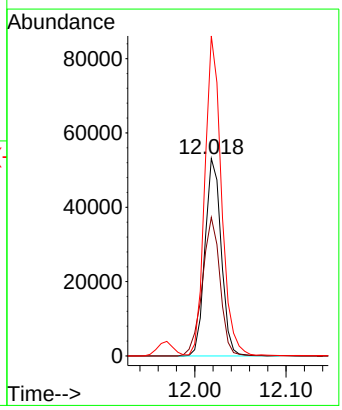
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

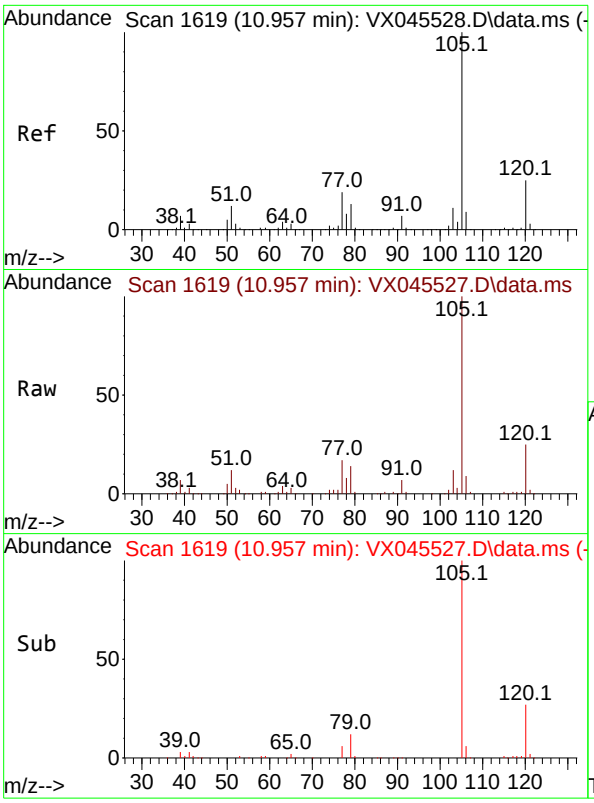


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:152 Resp: 65341

Ion	Ratio	Lower	Upper
152	100		
115	76.8	46.9	140.7
150	166.0	0.0	349.4

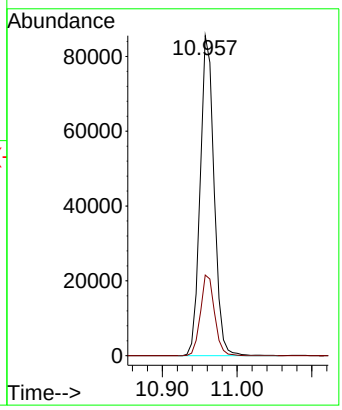




#73
Isopropylbenzene
Concen: 21.093 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 11039

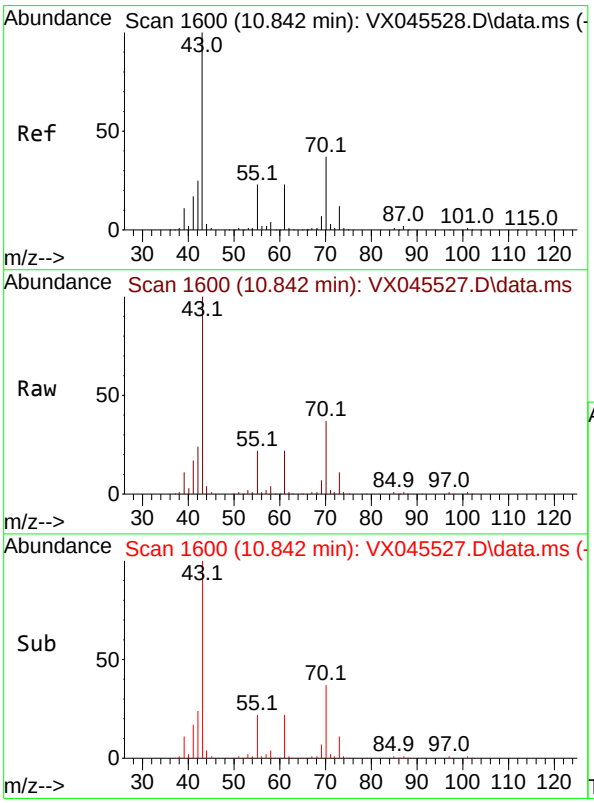
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

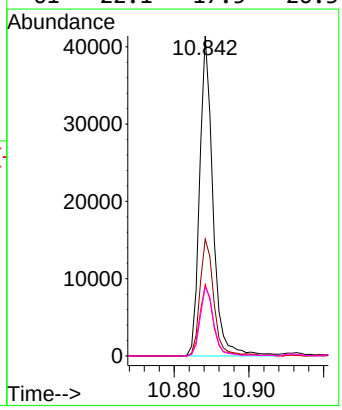
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

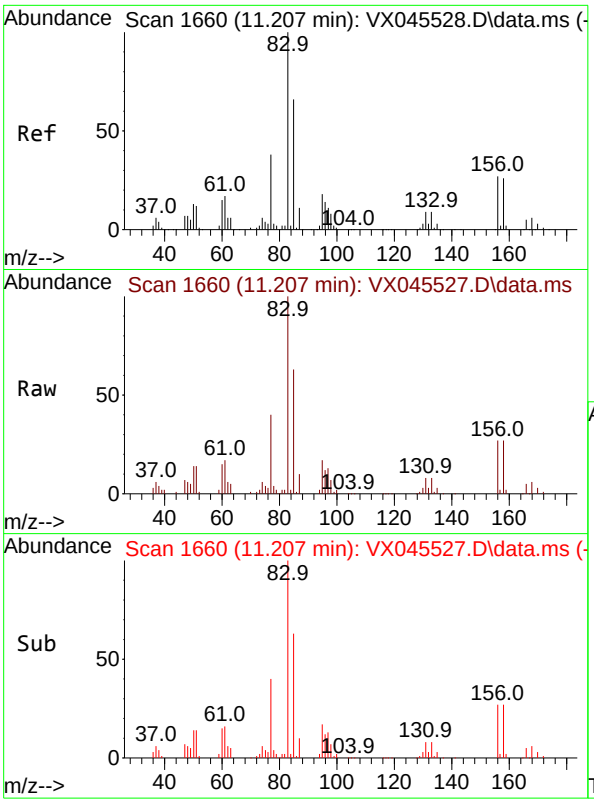


#74
N-amyl acetate
Concen: 20.466 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 51238

Ion	Ratio	Lower	Upper
43	100		
70	38.1	30.1	45.1
55	22.5	18.3	27.5
61	22.1	17.5	26.3





#75
1,1,2,2-Tetrachloroethane
Concen: 20.764 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

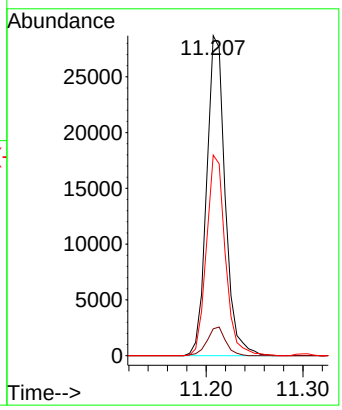
Tgt Ion: 83 Resp: 3817

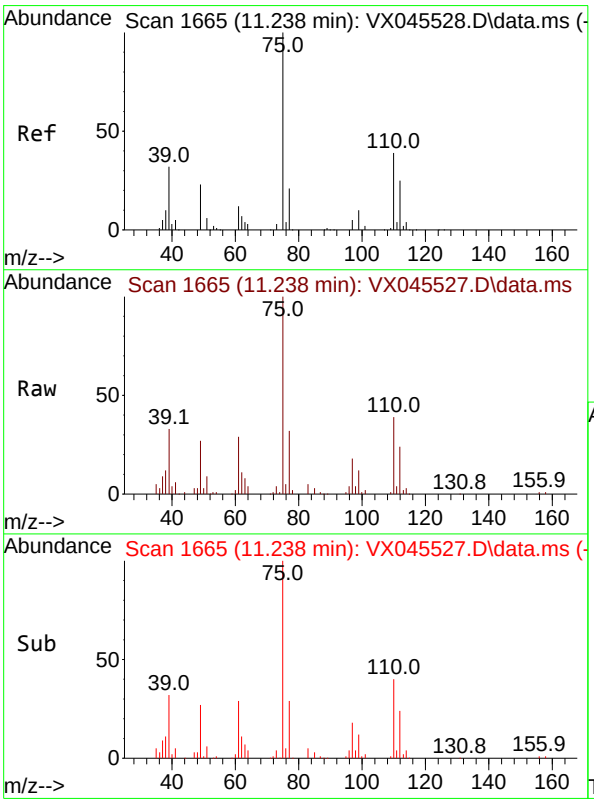
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.1
85	63.7	32.4	97.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

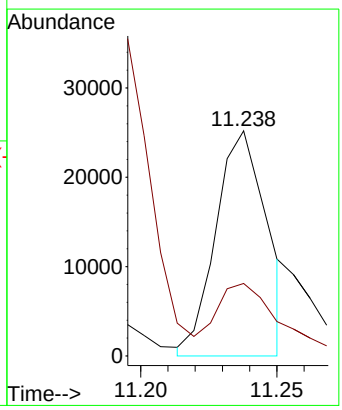


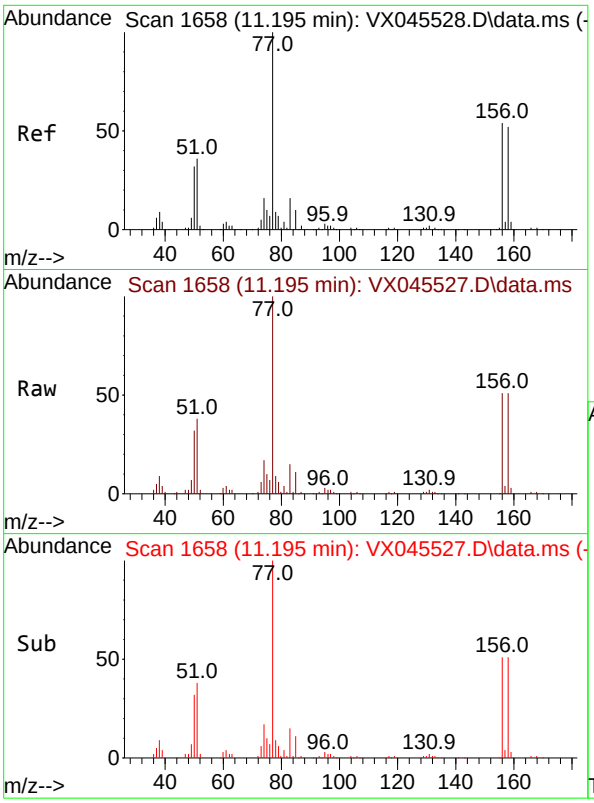


#76
1,2,3-Trichloropropane
Concen: 20.510 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 32690

Ion	Ratio	Lower	Upper
75	100		
77	41.2	20.0	59.9





#77
Bromobenzene
Concen: 20.592 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

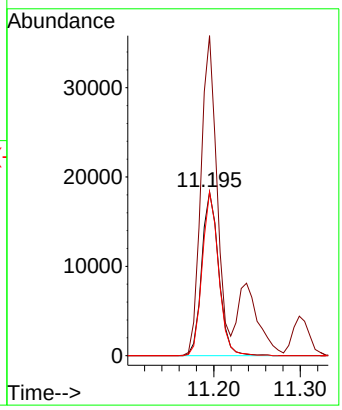
Tgt Ion:156 Resp: 2490

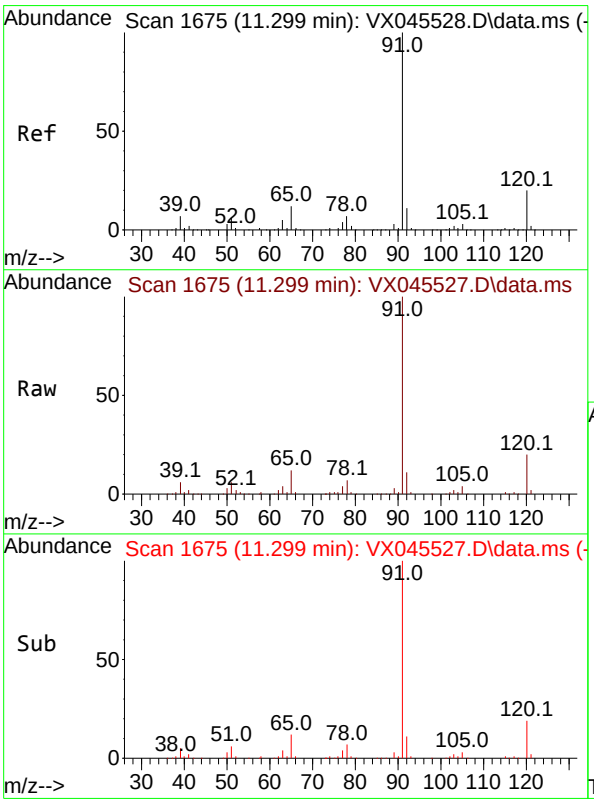
Ion	Ratio	Lower	Upper
156	100		
77	185.0	92.6	277.8
158	96.7	48.1	144.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

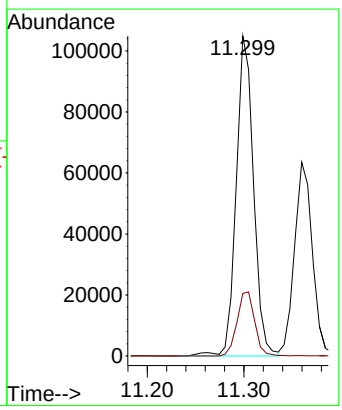


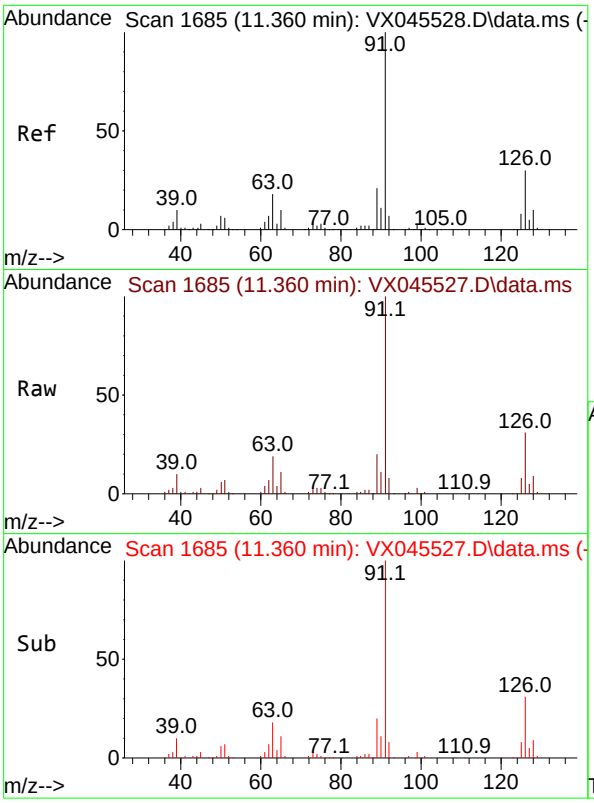


#78
n-propylbenzene
Concen: 21.729 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 130994

Ion	Ratio	Lower	Upper
91	100		
120	20.5	10.8	32.3

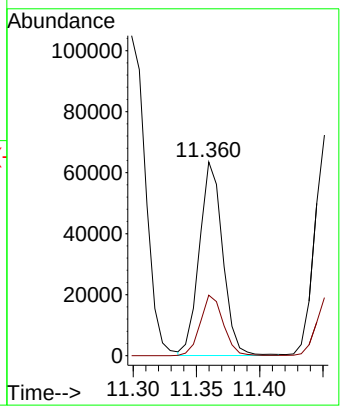




#79
2-Chlorotoluene
Concen: 21.229 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 8181

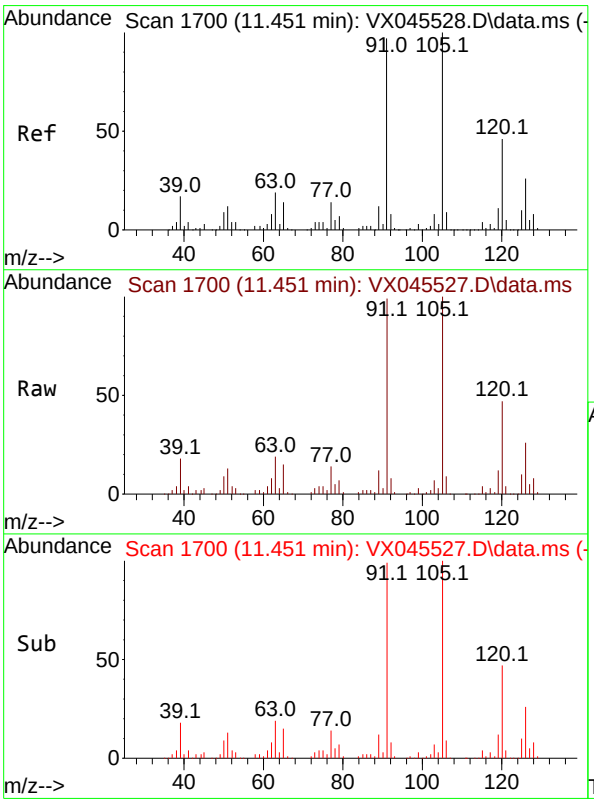
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

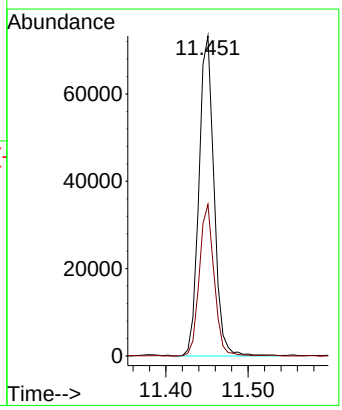
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

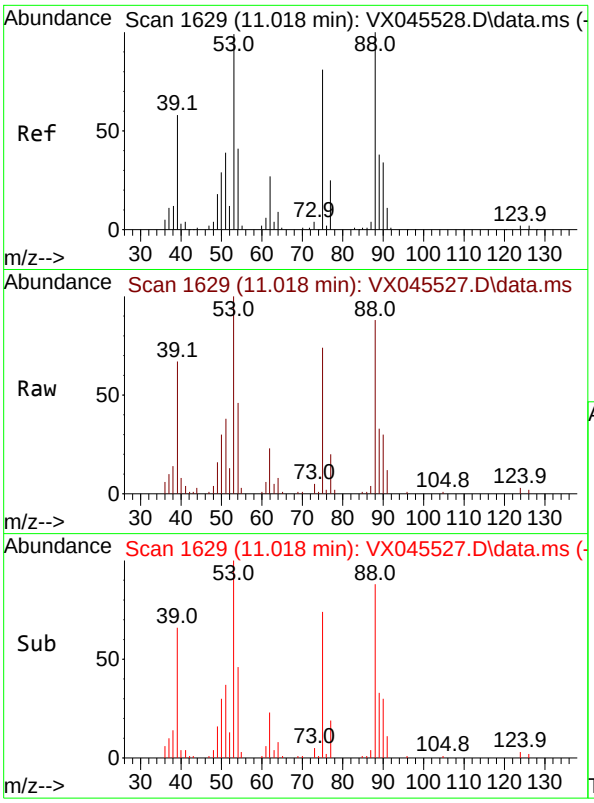


#80
1,3,5-Trimethylbenzene
Concen: 21.564 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 93328

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.0	69.0

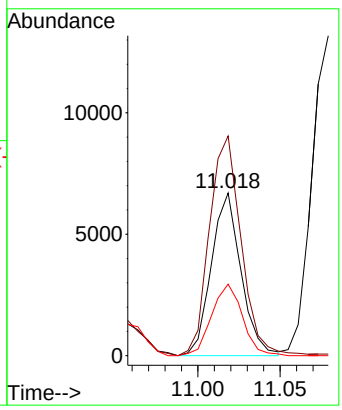




#81
trans-1,4-Dichloro-2-butene
Concen: 17.961 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 843

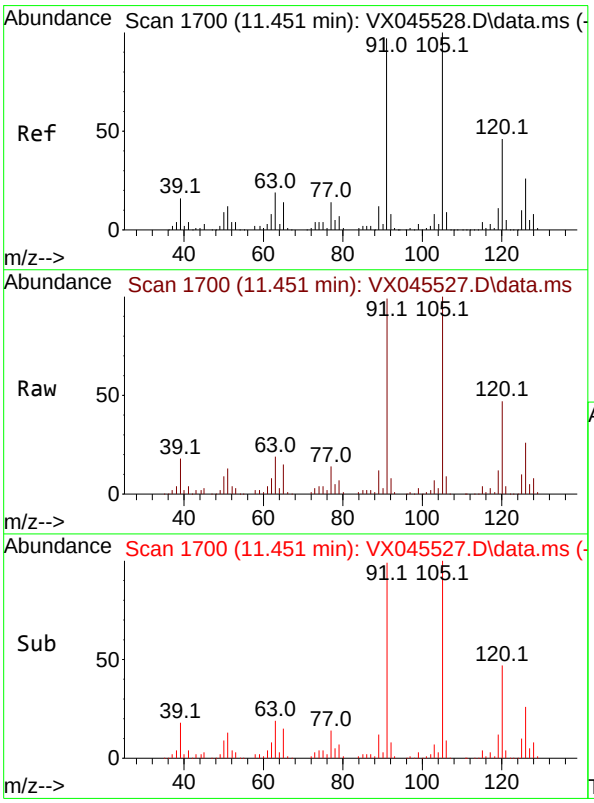
Ion	Ratio	Lower	Upper
75	100		
53	144.7	101.8	152.6
89	45.5	37.2	55.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

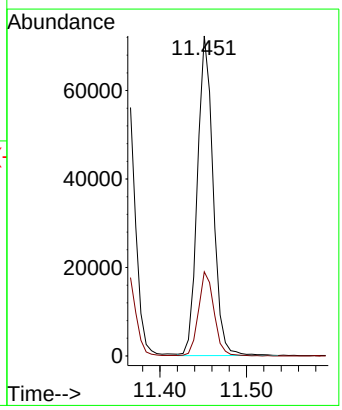
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

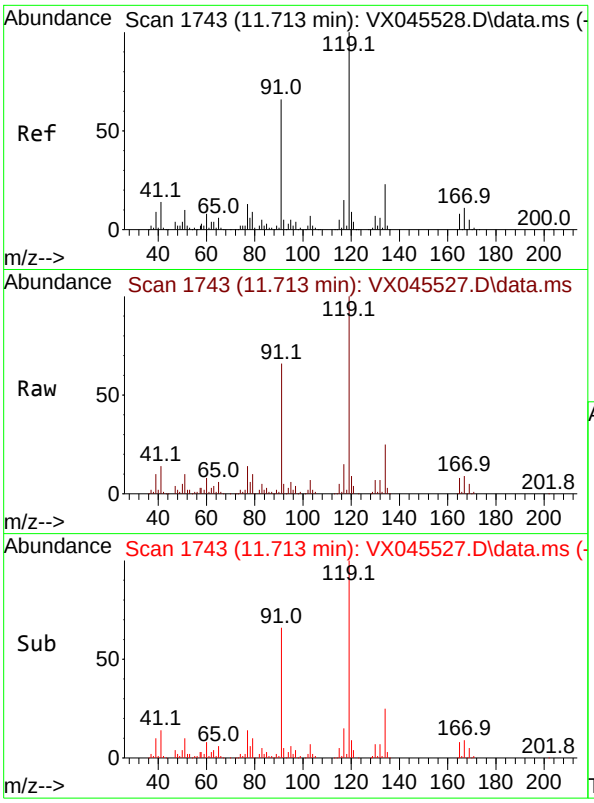


#82
4-Chlorotoluene
Concen: 21.108 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 90704

Ion	Ratio	Lower	Upper
91	100		
126	26.2	13.3	39.9

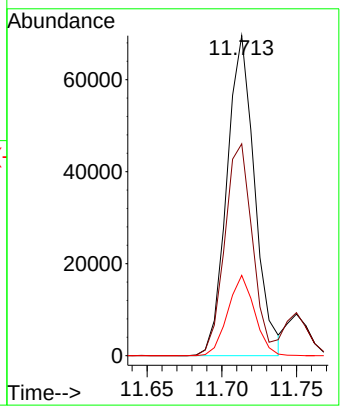




#83
tert-Butylbenzene
Concen: 20.964 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:119 Resp: 8982

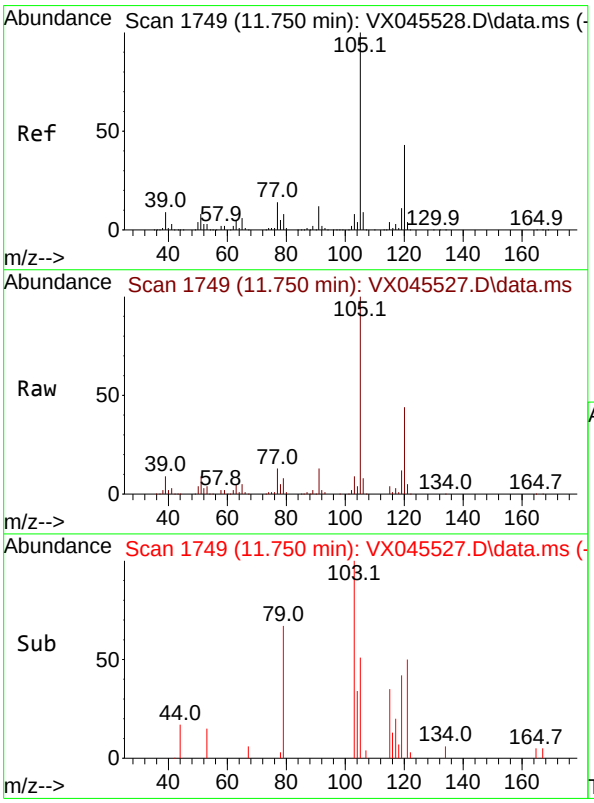
Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.4	97.2
134	24.2	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

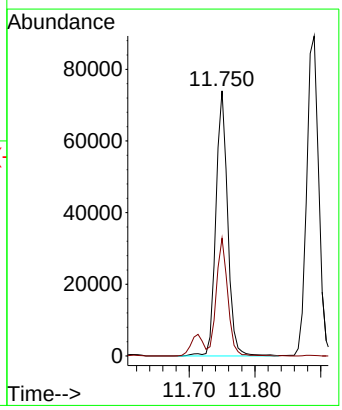
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

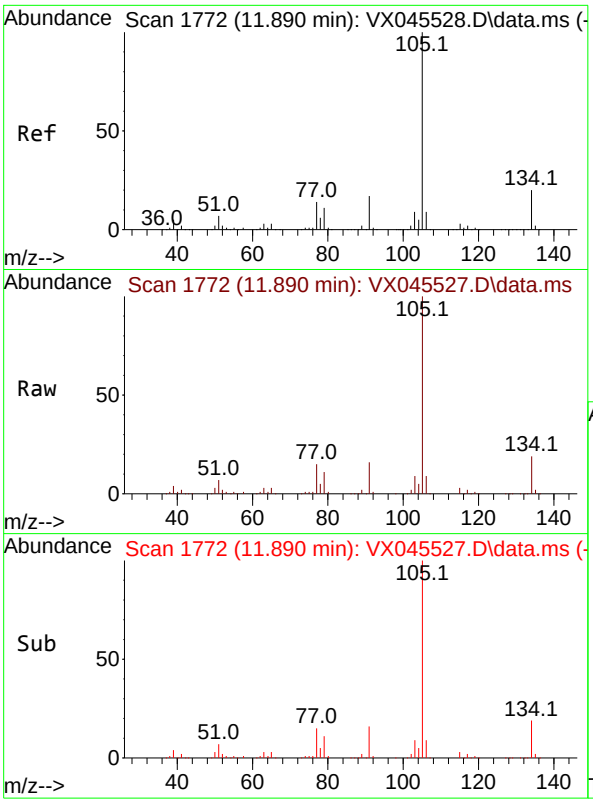


#84
1,2,4-Trimethylbenzene
Concen: 21.235 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 92242

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.4	64.3

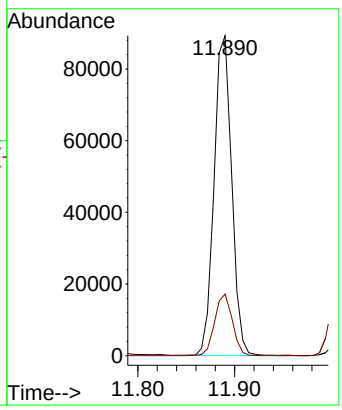




#85
sec-Butylbenzene
Concen: 21.433 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 11280

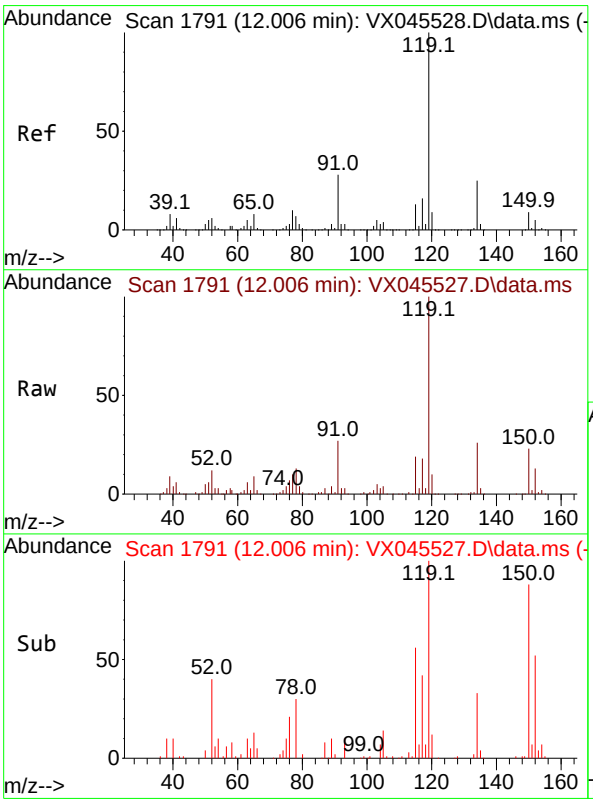
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

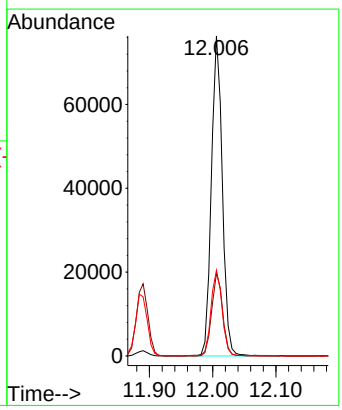
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

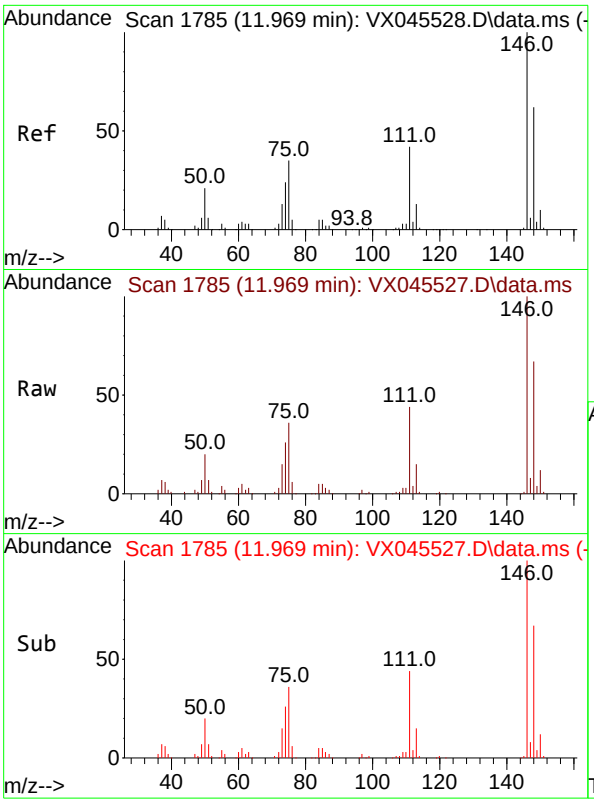


#86
p-Isopropyltoluene
Concen: 21.173 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:119 Resp: 91866

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	27.1	13.7	41.1

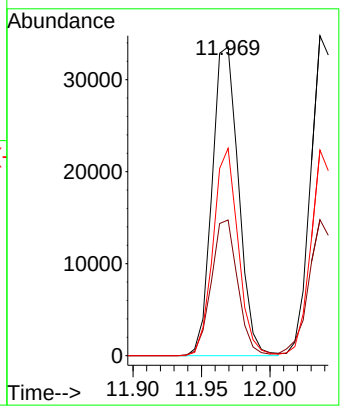




#87
1,3-Dichlorobenzene
Concen: 20.490 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:146 Resp: 4510

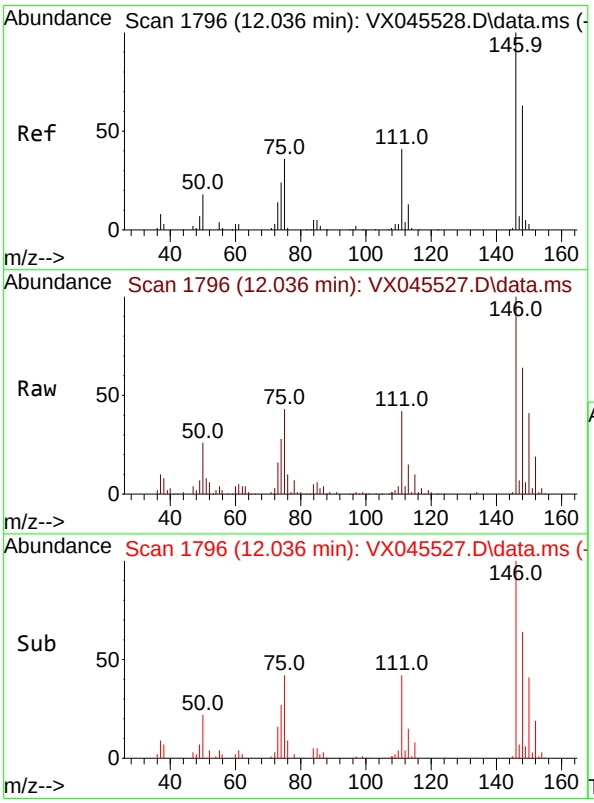
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

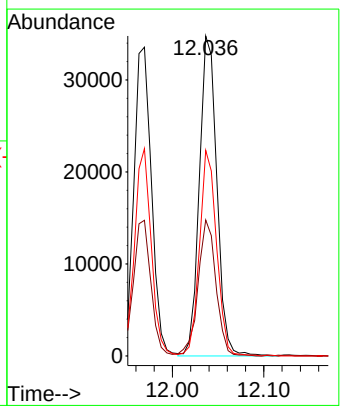
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

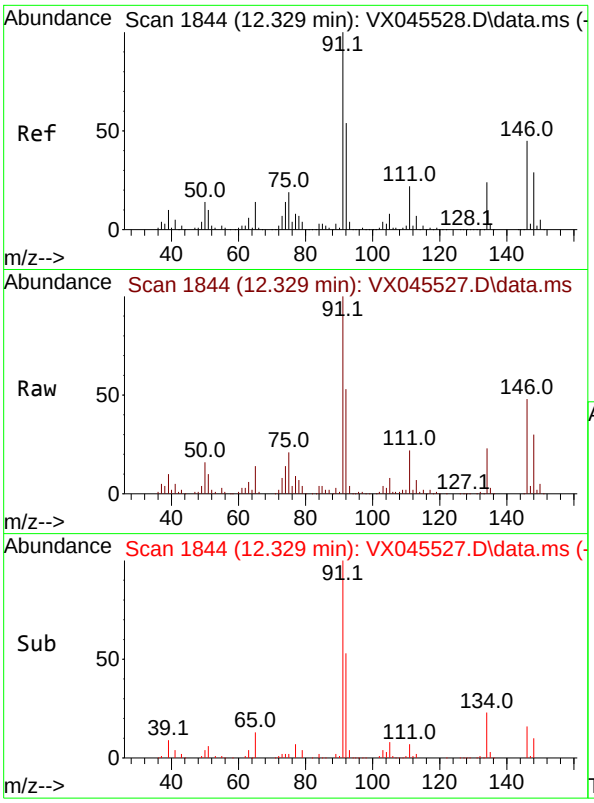


#88
1,4-Dichlorobenzene
Concen: 20.706 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:146 Resp: 46208

Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.9	62.8
148	62.6	31.5	94.5

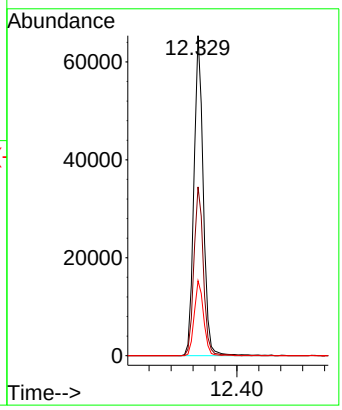




#89
n-Butylbenzene
Concen: 20.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 7773

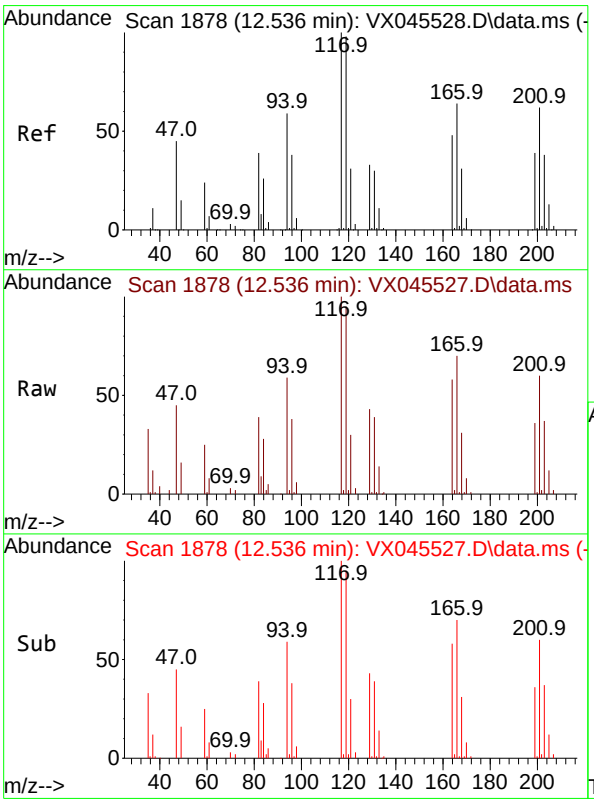
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.9	80.6
134	23.4	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

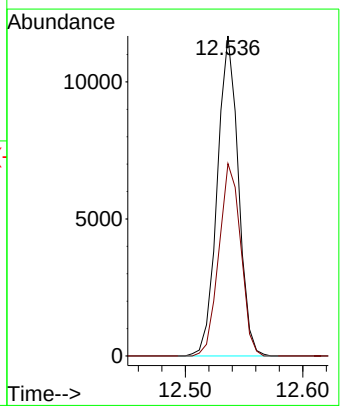
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

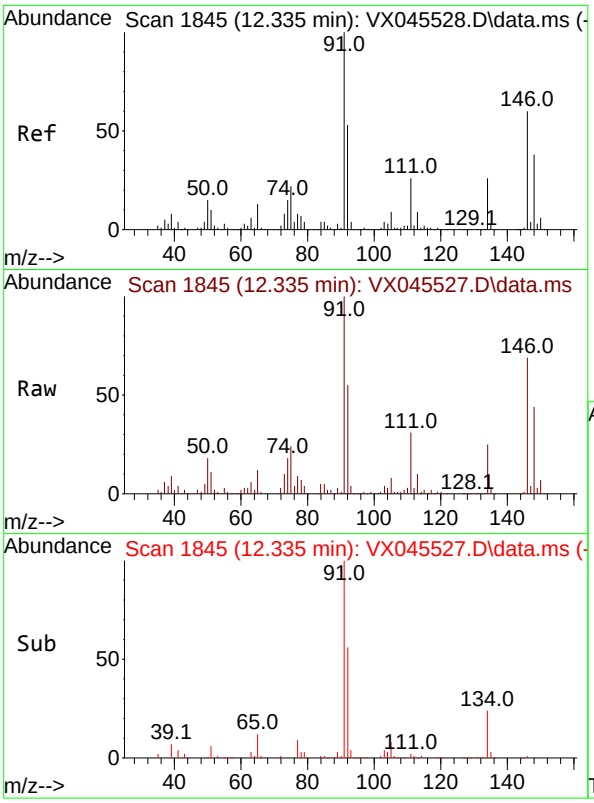


#90
Hexachloroethane
Concen: 19.505 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:117 Resp: 14544

Ion	Ratio	Lower	Upper
117	100		
201	62.2	31.2	93.6

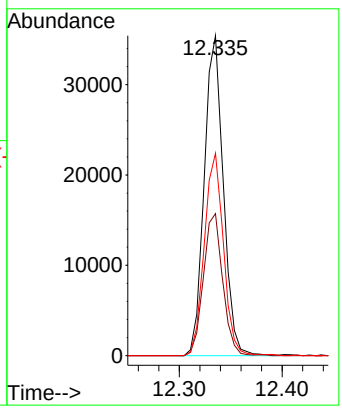




#91
1,2-Dichlorobenzene
Concen: 20.896 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:146 Resp: 4573

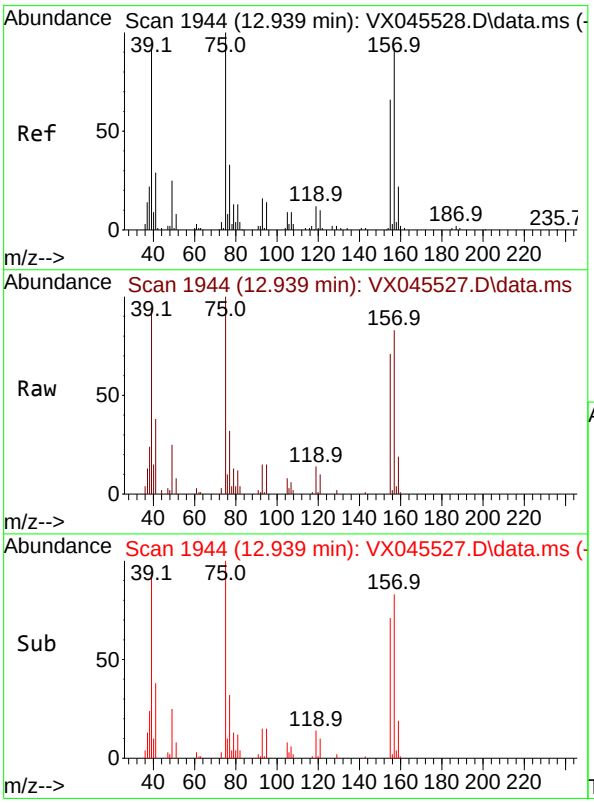
Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.9	68.8
148	63.6	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

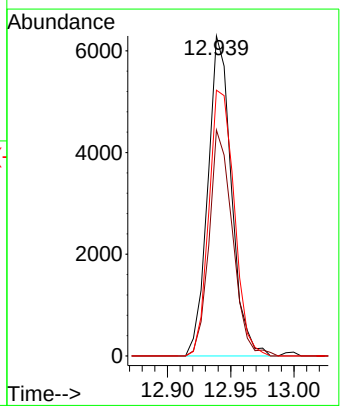
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

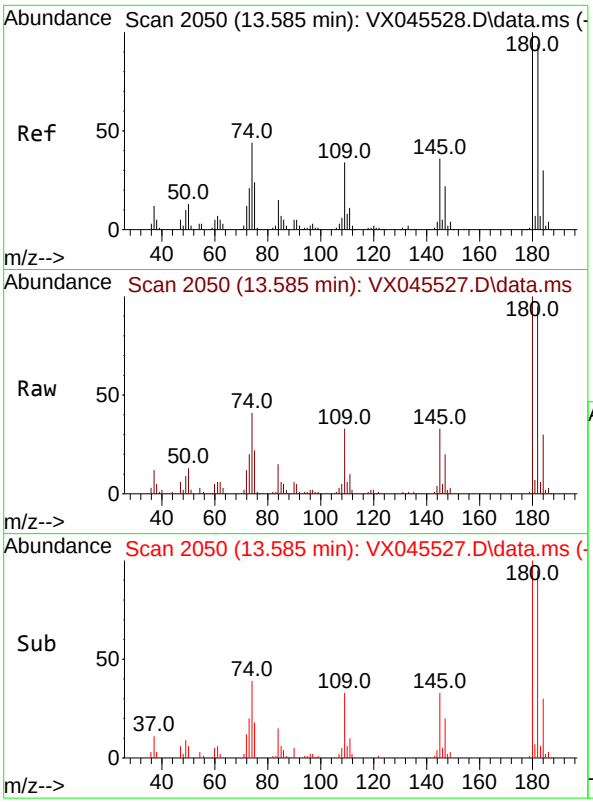


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.203 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 8153

Ion	Ratio	Lower	Upper
75	100		
155	70.0	34.9	104.7
157	89.1	44.9	134.7





#93
1,2,4-Trichlorobenzene
Concen: 20.347 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

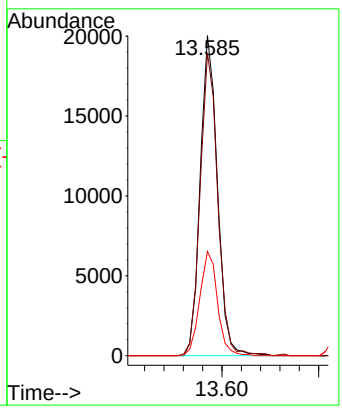
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

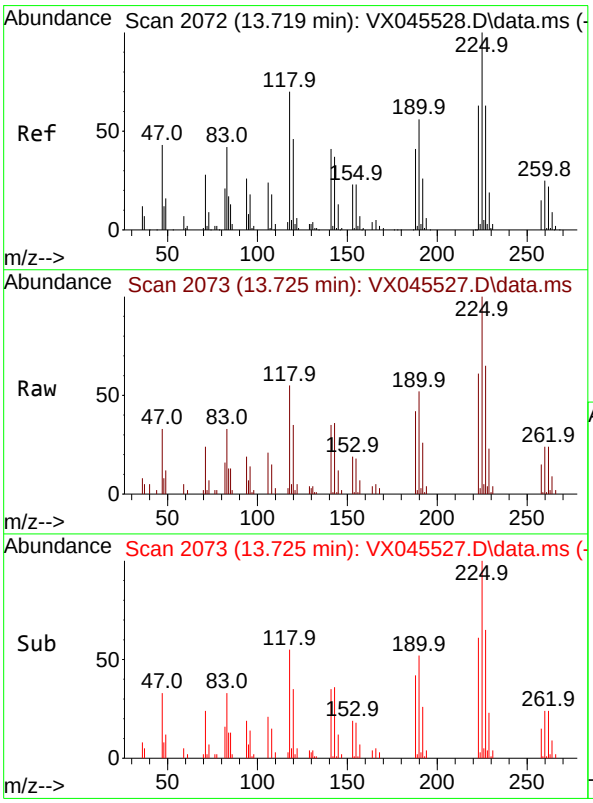
Tgt Ion:180 Resp: 2478

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.6
145	33.6	17.9	53.8

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

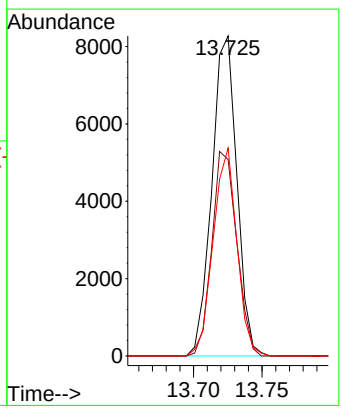


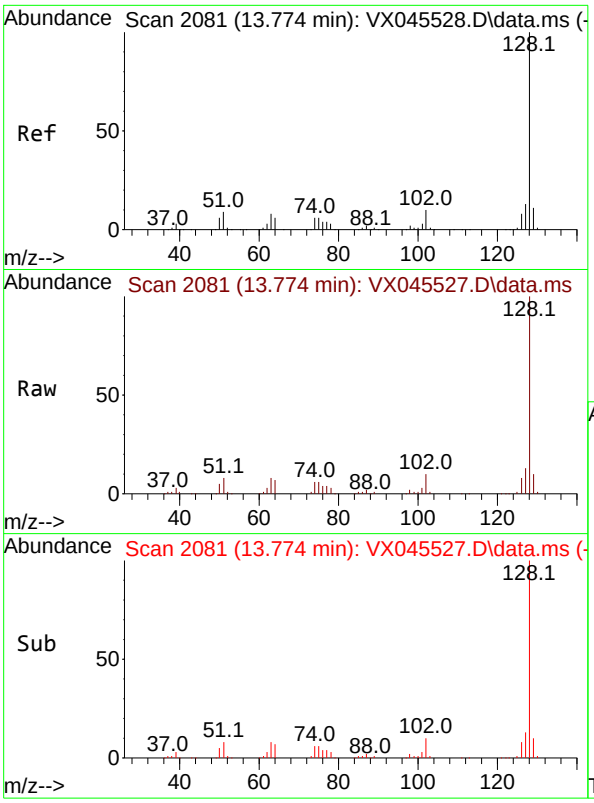


#94
Hexachlorobutadiene
Concen: 19.979 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:225 Resp: 10488

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.1	93.3
227	61.6	32.2	96.6





#95
Naphthalene
Concen: 20.928 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

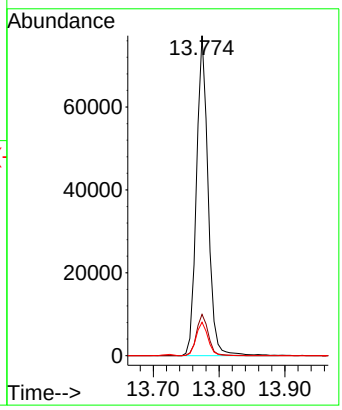
Tgt Ion:128 Resp: 9487

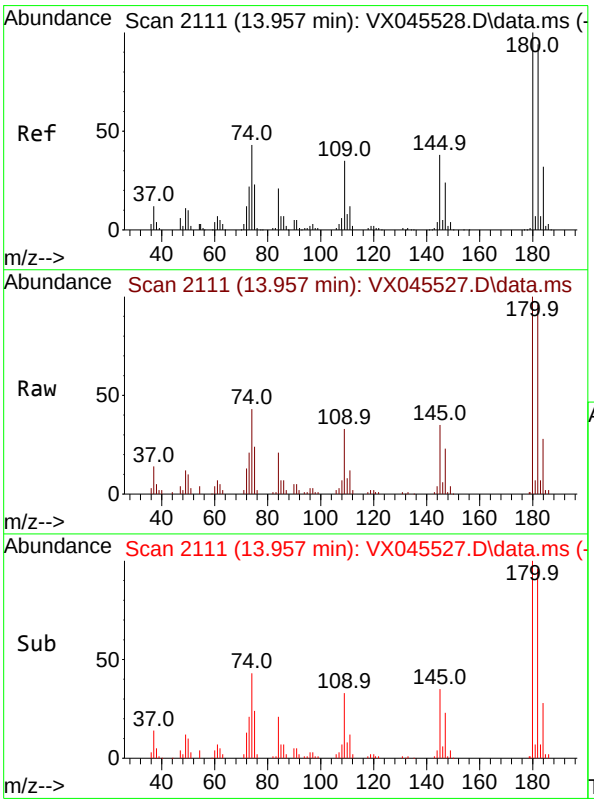
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

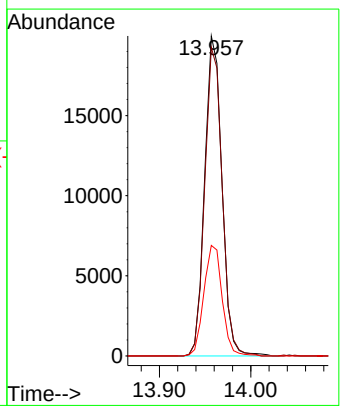




#96
1,2,3-Trichlorobenzene
Concen: 20.471 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:180 Resp: 26113

Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.3	141.8
145	36.7	18.2	54.6



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	95658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	150201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83054	47.477	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.960%			
35) Dibromofluoromethane	5.379	113	58108	48.667	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.340%			
50) Toluene-d8	8.647	98	204338	49.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.060%			
62) 4-Bromofluorobenzene	11.079	95	76190	50.190	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	78444	54.834	ug/l	100
3) Chloromethane	1.307	50	75032	51.054	ug/l	100
4) Vinyl Chloride	1.374	62	68516	50.942	ug/l	100
5) Bromomethane	1.593	94	31584	49.526	ug/l	100
6) Chloroethane	1.666	64	38112	53.409	ug/l	100
7) Trichlorofluoromethane	1.874	101	103888	51.798	ug/l	100
8) Diethyl Ether	2.136	74	33953	50.424	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	59431	50.569	ug/l	100
10) Methyl Iodide	2.447	142	76404	52.121	ug/l	100
11) Tert butyl alcohol	2.977	59	60610	257.809	ug/l	100
12) 1,1-Dichloroethene	2.313	96	57738	50.278	ug/l	100
13) Acrolein	2.239	56	79989	247.074	ug/l	100
14) Allyl chloride	2.660	41	112085	51.441	ug/l	100
15) Acrylonitrile	3.062	53	194445	262.015	ug/l	100
16) Acetone	2.386	43	180563	251.366	ug/l	100
17) Carbon Disulfide	2.508	76	148601	52.393	ug/l	100
18) Methyl Acetate	2.703	43	82000	49.581	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	202582	50.429	ug/l	100
20) Methylene Chloride	2.782	84	67855	50.457	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	59696	50.882	ug/l	100
22) Diisopropyl ether	3.764	45	219374	51.111	ug/l	100
23) Vinyl Acetate	3.721	43	998064	269.139	ug/l	100
24) 1,1-Dichloroethane	3.605	63	121348	49.992	ug/l	100
25) 2-Butanone	4.556	43	280076	266.363	ug/l	100
26) 2,2-Dichloropropane	4.471	77	81054	51.683	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71871	50.282	ug/l	100
28) Bromochloromethane	4.897	49	57046	48.632	ug/l	100
29) Tetrahydrofuran	5.001	42	177402	260.230	ug/l	100
30) Chloroform	5.086	83	125797	50.366	ug/l	100
31) Cyclohexane	5.464	56	107407	50.052	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	106062	50.184	ug/l	100
36) 1,1-Dichloropropene	5.684	75	81607	50.620	ug/l	100
37) Ethyl Acetate	4.715	43	104896	51.632	ug/l	100
38) Carbon Tetrachloride	5.672	117	90247	51.797	ug/l	100
39) Methylcyclohexane	7.373	83	104678	52.970	ug/l	100
40) Benzene	6.031	78	249161	50.605	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	59068	54.623	ug/l		100
42) 1,2-Dichloroethane	6.080	62	104601	51.437	ug/l		100
43) Isopropyl Acetate	6.336	43	164588	53.452	ug/l		100
44) Trichloroethene	7.123	130	59042	50.452	ug/l		100
45) 1,2-Dichloropropane	7.427	63	63316	51.540	ug/l		100
46) Dibromomethane	7.574	93	49125	52.092	ug/l		100
47) Bromodichloromethane	7.818	83	96176	51.068	ug/l		100
48) Methyl methacrylate	7.690	41	85483	53.768	ug/l		100
49) 1,4-Dioxane	7.659	88	31199	1084.635	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	558029	273.375	ug/l		100
52) Toluene	8.714	92	153143	51.402	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	85462	47.317	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	95524	53.975	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	60452	50.919	ug/l		100
56) Ethyl methacrylate	9.116	69	100998	54.970	ug/l		100
57) 1,3-Dichloropropane	9.305	76	106580	51.554	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	250428	269.434	ug/l		100
59) 2-Hexanone	9.427	43	413824	273.765	ug/l		100
60) Dibromochloromethane	9.519	129	69258	53.511	ug/l		100
61) 1,2-Dibromoethane	9.604	107	62812	52.264	ug/l		100
64) Tetrachloroethene	9.269	164	52155	49.181	ug/l		100
65) Chlorobenzene	10.073	112	162829	50.733	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	55974	50.233	ug/l		100
67) Ethyl Benzene	10.189	91	301481	52.447	ug/l		100
68) m/p-Xylenes	10.299	106	218702	104.606	ug/l		100
69) o-Xylene	10.640	106	108028	52.452	ug/l		100
70) Styrene	10.653	104	182620	53.723	ug/l		100
71) Bromoform	10.799	173	44397	53.361	ug/l	#	100
73) Isopropylbenzene	10.957	105	287628	52.203	ug/l		100
74) N-amyl acetate	10.842	43	141589	53.721	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	95200	49.185	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	84279m	50.230	ug/l		
77) Bromobenzene	11.195	156	64527	50.686	ug/l		100
78) n-propylbenzene	11.299	91	336796	53.069	ug/l		100
79) 2-Chlorotoluene	11.360	91	203994	50.279	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	241536	53.013	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	25488	51.556	ug/l		100
82) 4-Chlorotoluene	11.451	91	237213	52.439	ug/l		100
83) tert-Butylbenzene	11.713	119	235715	52.256	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	242301	52.986	ug/l		100
85) sec-Butylbenzene	11.890	105	295799	53.391	ug/l		100
86) p-Isopropyltoluene	12.006	119	242416	53.073	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	116890	50.441	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	117164	49.871	ug/l		100
89) n-Butylbenzene	12.329	91	217345	54.874	ug/l		100
90) Hexachloroethane	12.536	117	41095	52.352	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	115426	50.099	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21712	53.638	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	65145	50.797	ug/l		100
94) Hexachlorobutadiene	13.719	225	27795	50.296	ug/l		100
95) Naphthalene	13.774	128	256009	53.643	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	68781	51.219	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

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

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

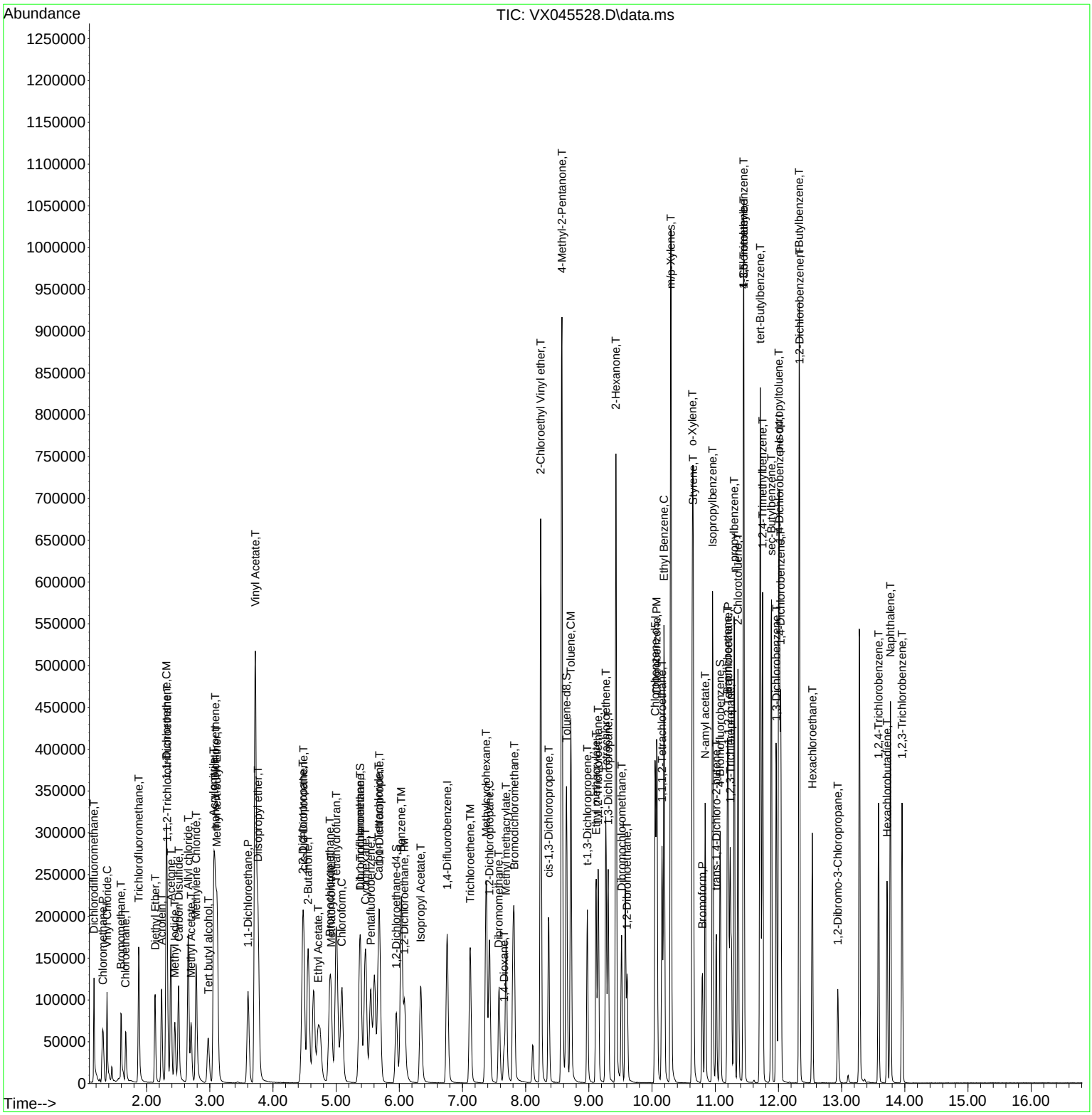
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

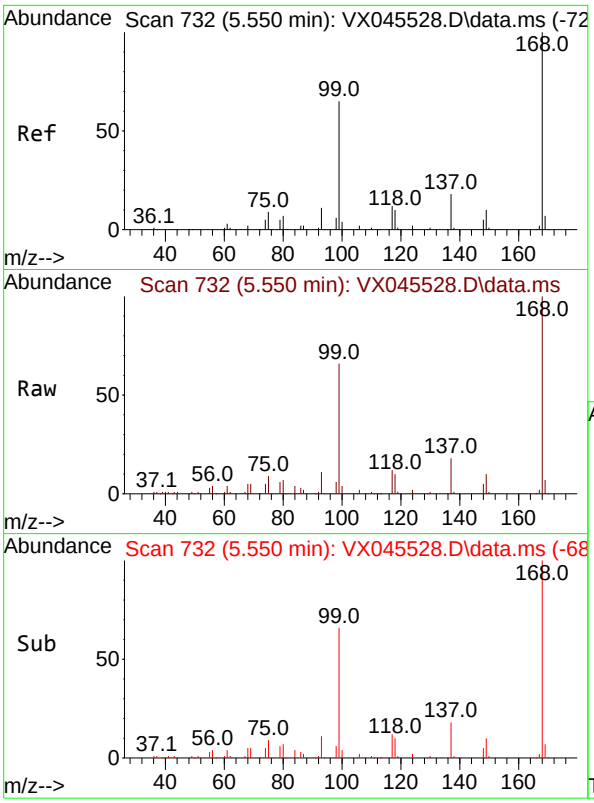
Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

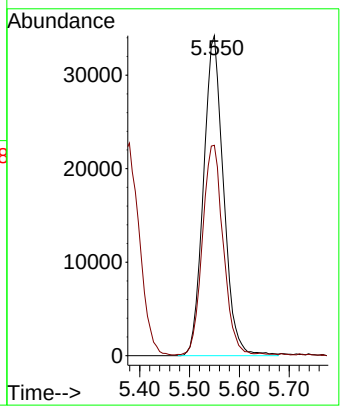




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:168 Resp: 9565

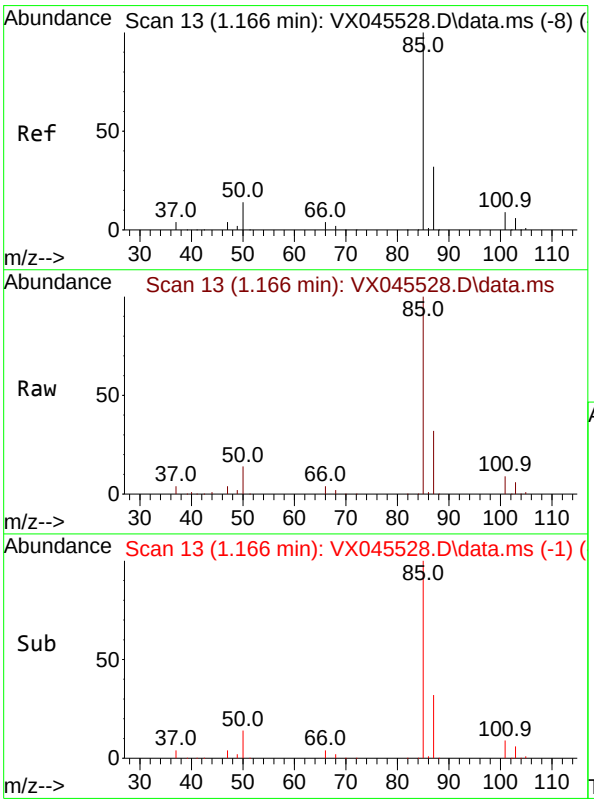
Ion	Ratio	Lower	Upper
168	100		
99	65.4	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

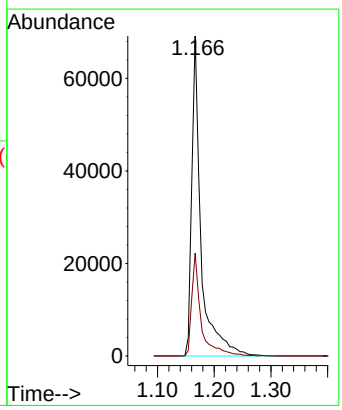
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

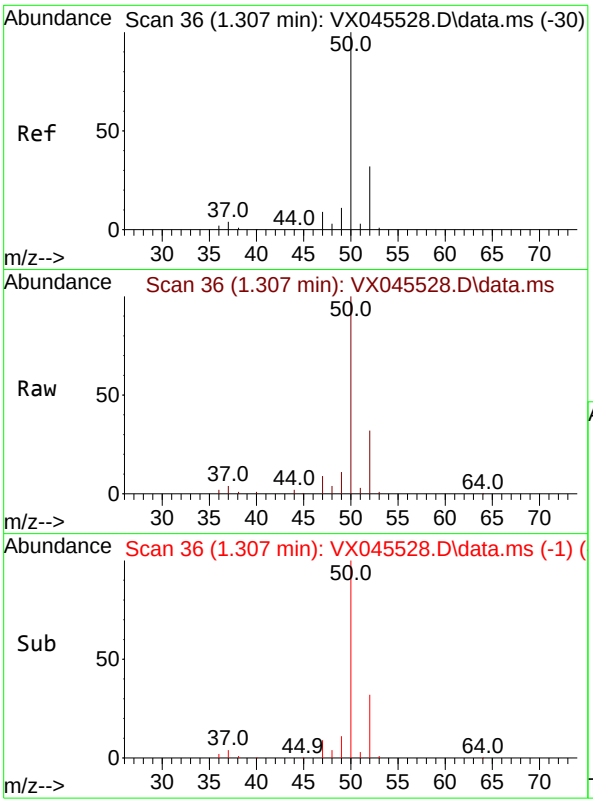


#2
Dichlorodifluoromethane
Concen: 54.834 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 85 Resp: 78444

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.1	48.2

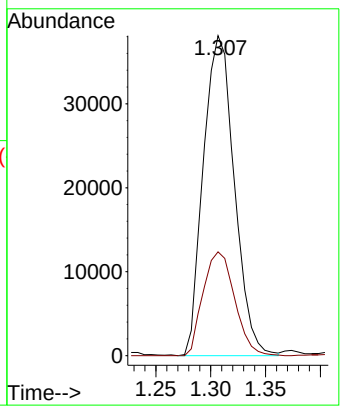




#3
Chloromethane
Concen: 51.054 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 50 Resp: 7503

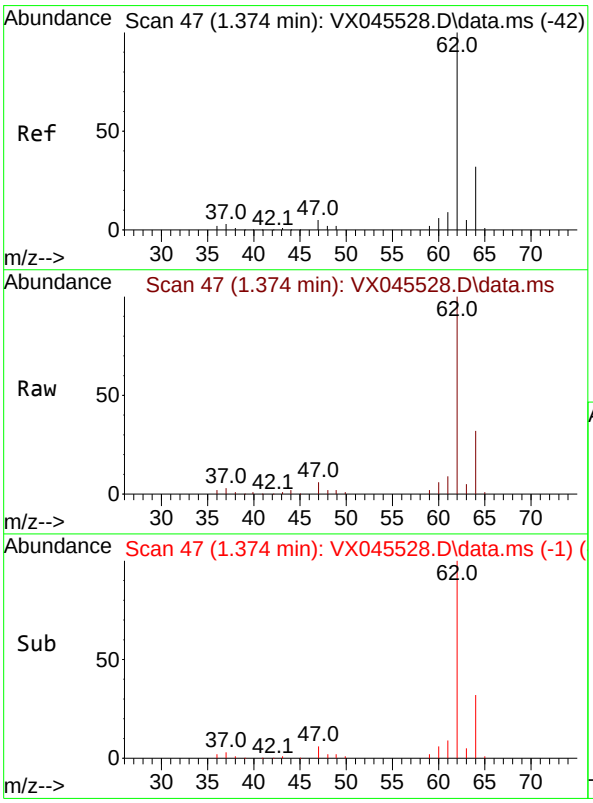
Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

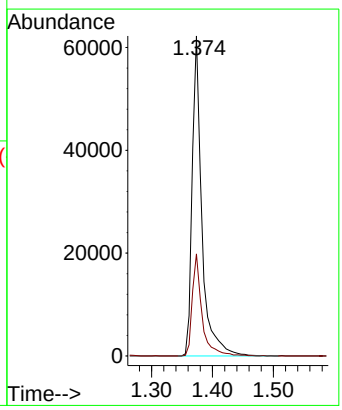
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

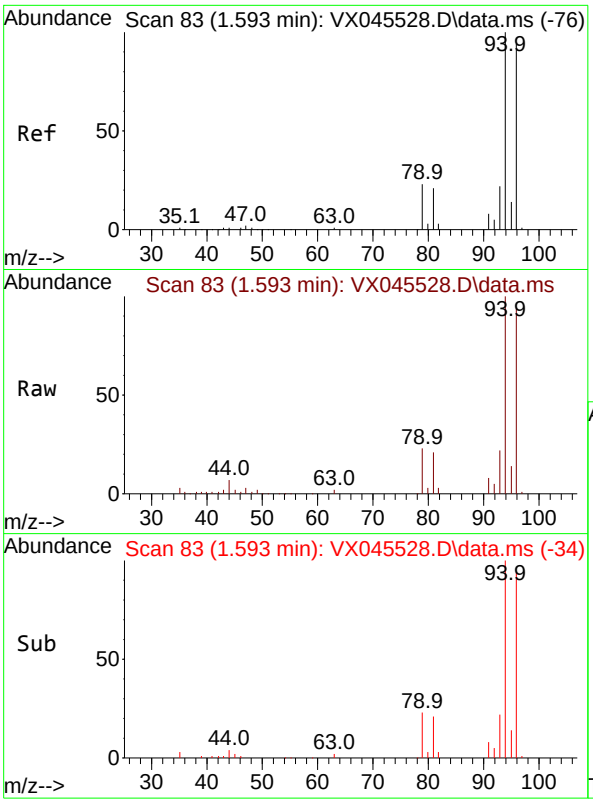


#4
Vinyl Chloride
Concen: 50.942 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 62 Resp: 68516

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3

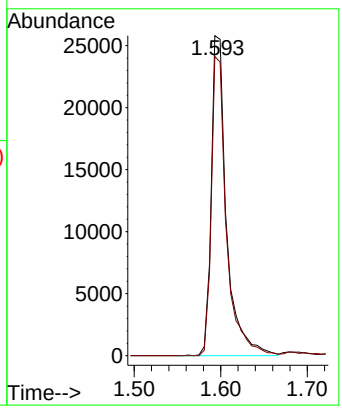




#5
Bromomethane
Concen: 49.526 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 94 Resp: 3158

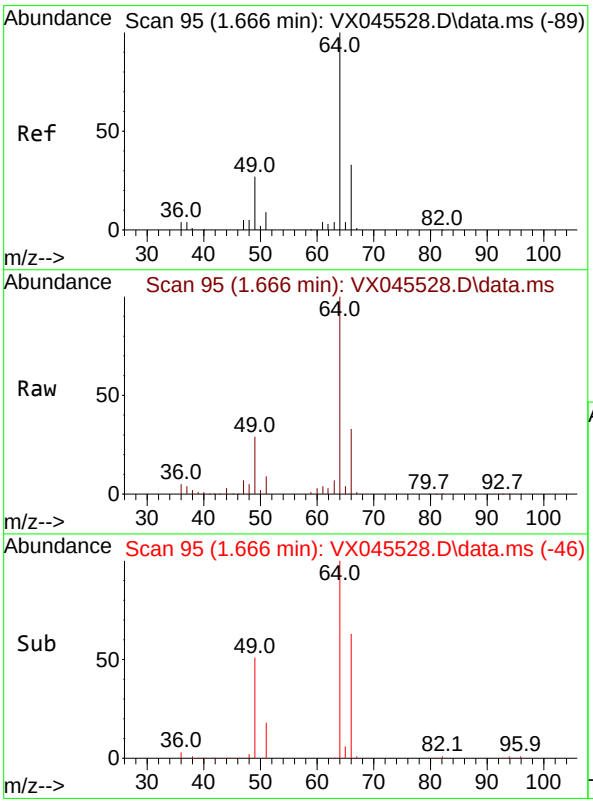
Ion	Ratio	Lower	Upper
94	100		
96	93.5	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

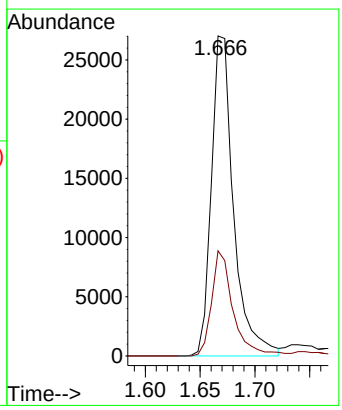
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

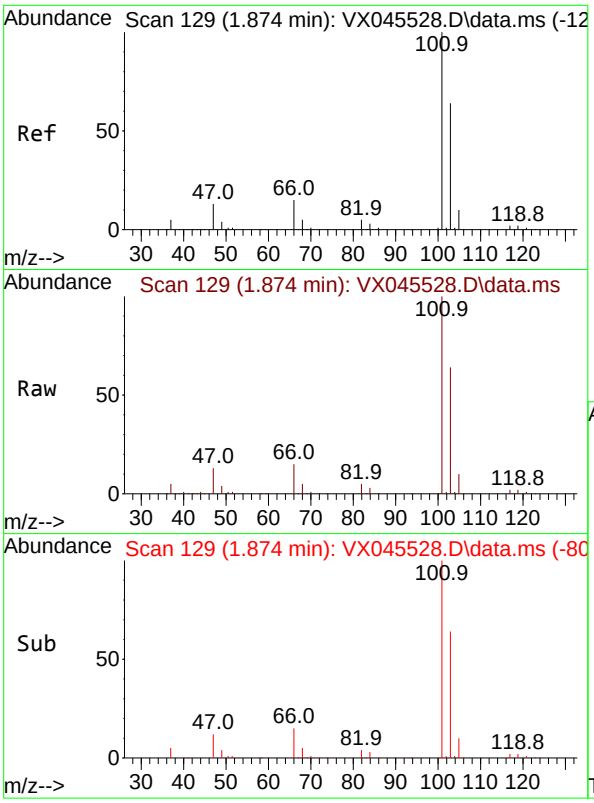


#6
Chloroethane
Concen: 53.409 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 64 Resp: 38112

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.3	39.5

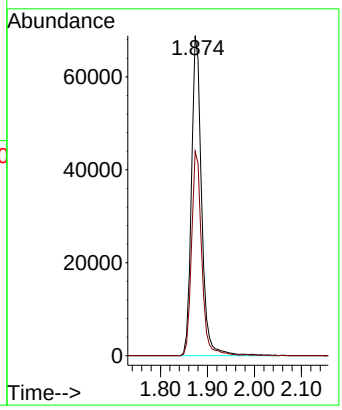




#7
Trichlorofluoromethane
Concen: 51.798 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:101 Resp: 10388

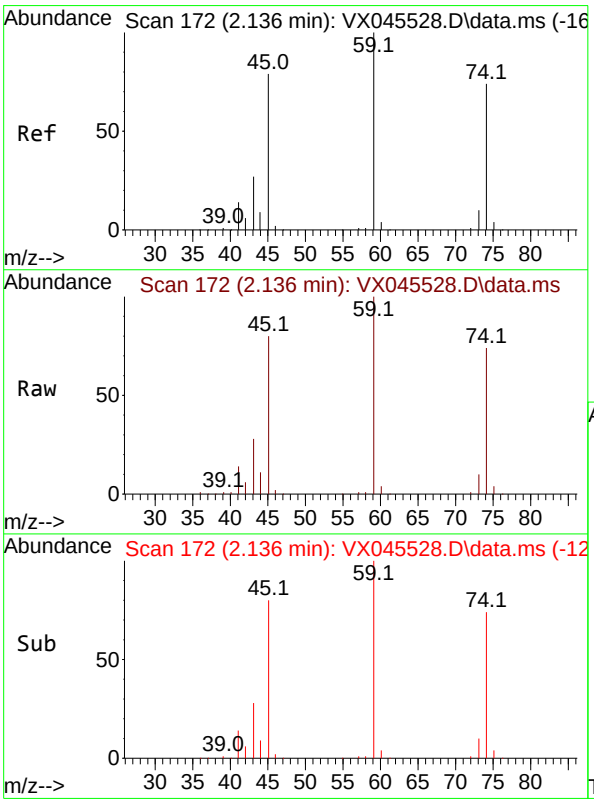
Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

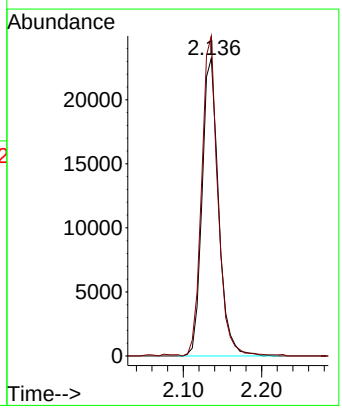
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

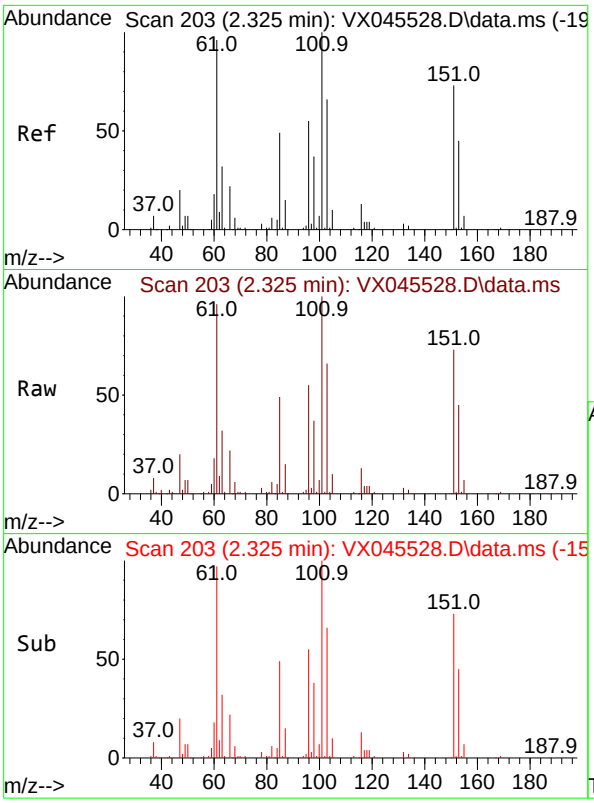


#8
Diethyl Ether
Concen: 50.424 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 74 Resp: 33953

Ion	Ratio	Lower	Upper
74	100		
45	106.1	53.0	159.1

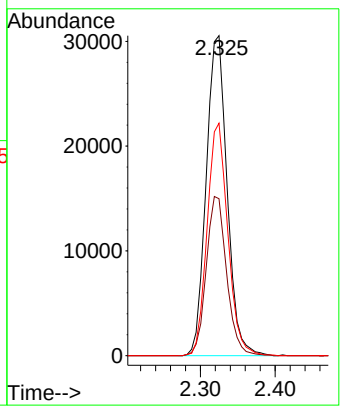




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.569 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:101 Resp: 5943

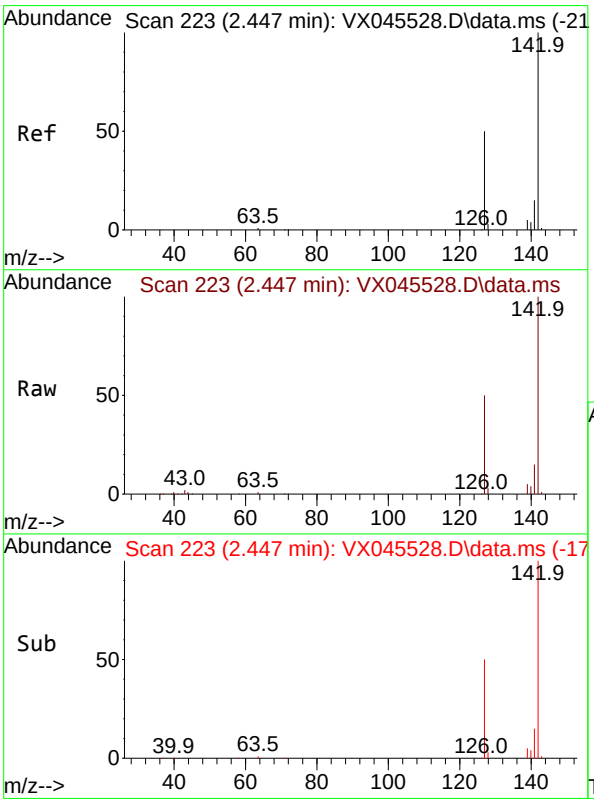
Ion	Ratio	Lower	Upper
101	100		
85	48.6	38.9	58.3
151	71.9	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

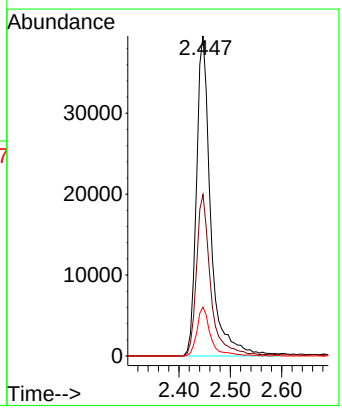
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

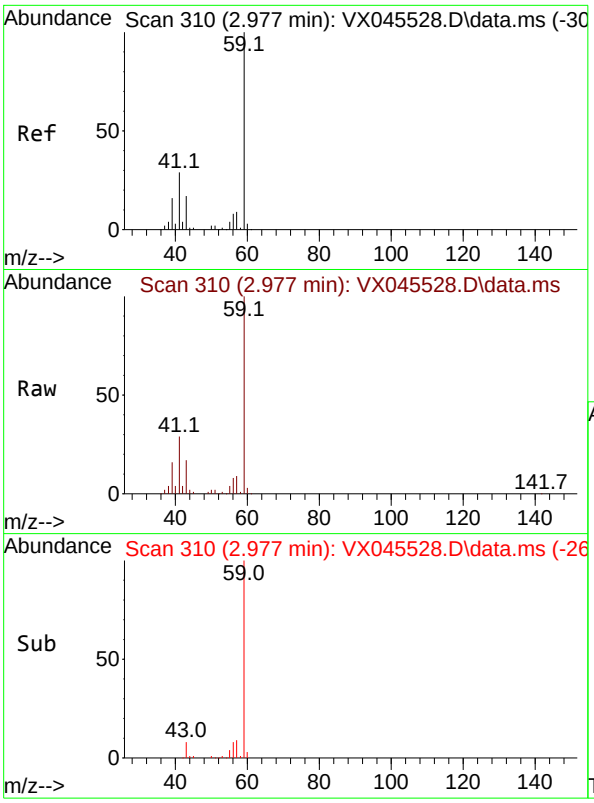


#10
Methyl Iodide
Concen: 52.121 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:142 Resp: 76404

Ion	Ratio	Lower	Upper
142	100		
127	50.3	40.2	60.4
141	14.6	11.7	17.5





#11
Tert butyl alcohol
Concen: 257.809 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

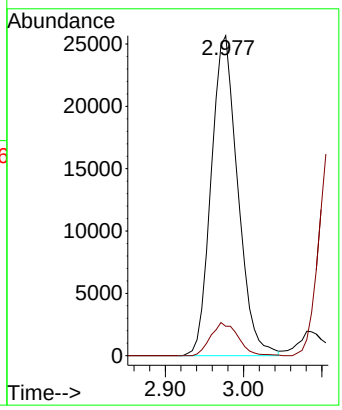
Tgt Ion: 59 Resp: 6061

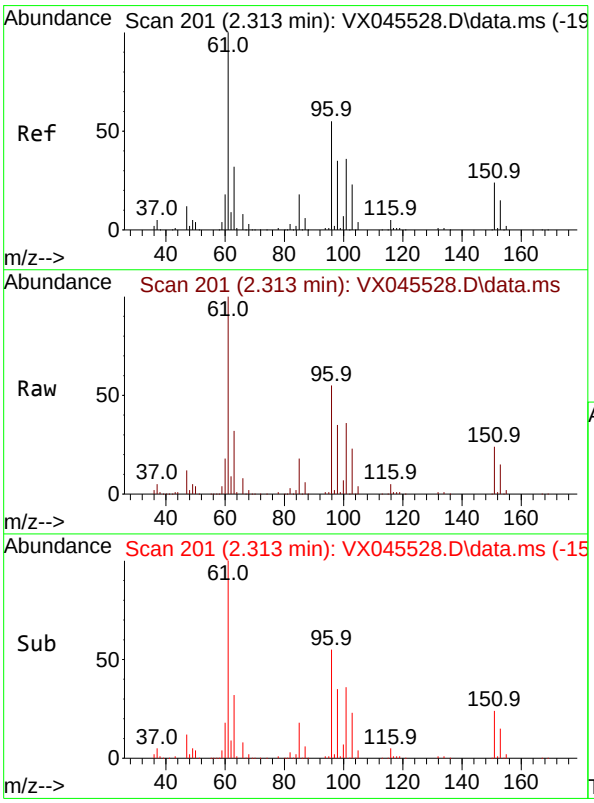
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

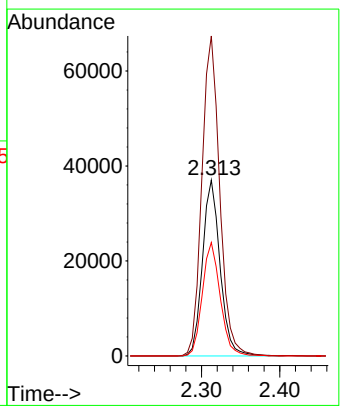


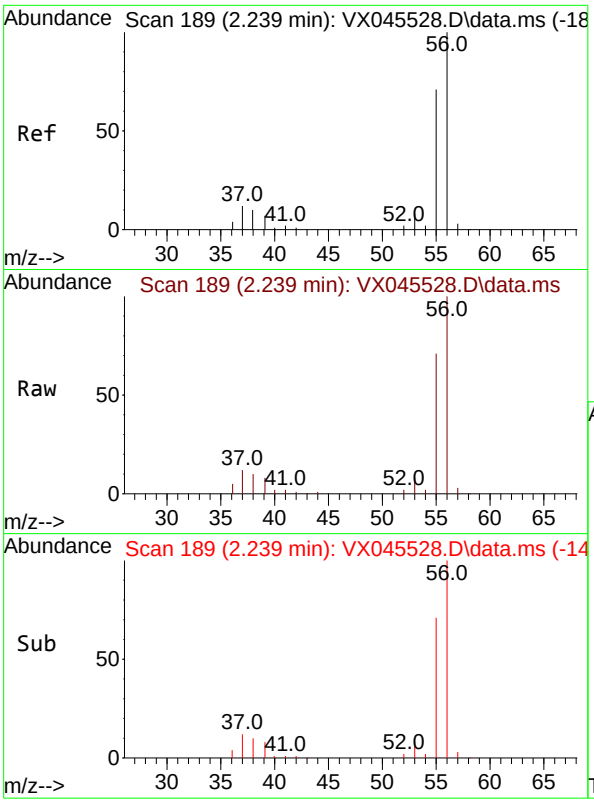


#12
1,1-Dichloroethene
Concen: 50.278 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 96 Resp: 57738

Ion	Ratio	Lower	Upper
96	100		
61	182.1	145.7	218.5
98	64.5	51.6	77.4

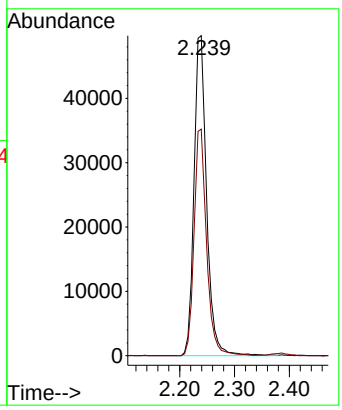




#13
Acrolein
Concen: 247.074 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 56 Resp: 7998

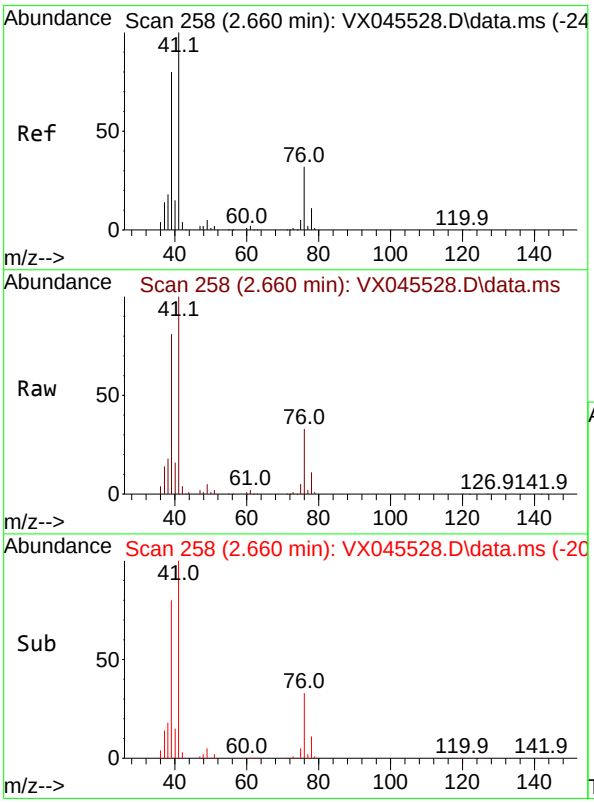
Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

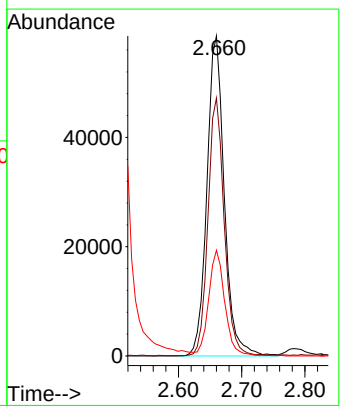
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

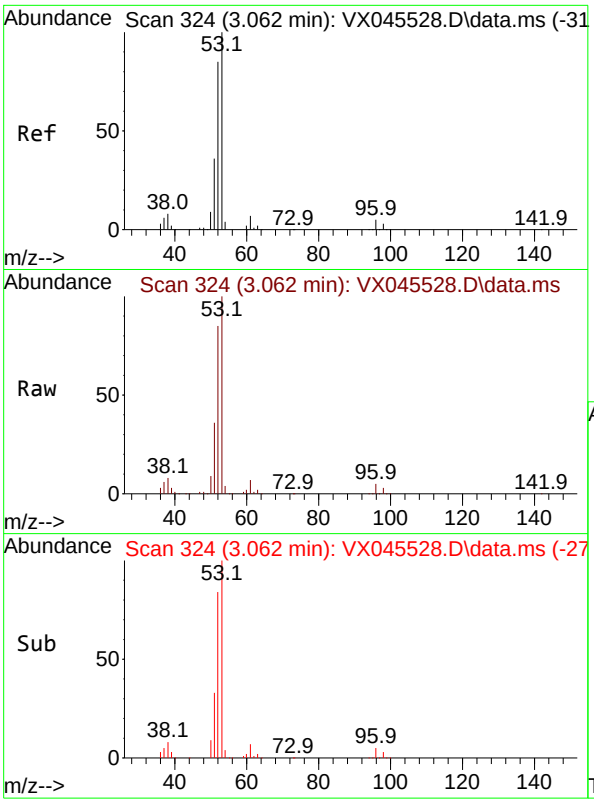


#14
Allyl chloride
Concen: 51.441 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 41 Resp: 112085

Ion	Ratio	Lower	Upper
41	100		
39	75.2	60.2	90.2
76	30.7	24.6	36.8

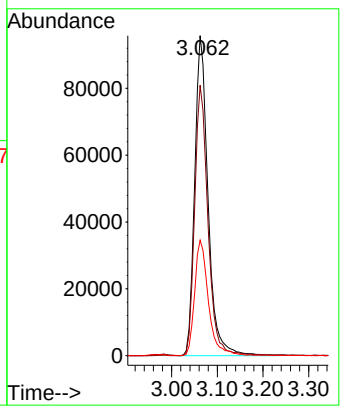




#15
Acrylonitrile
Concen: 262.015 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 53 Resp: 19444

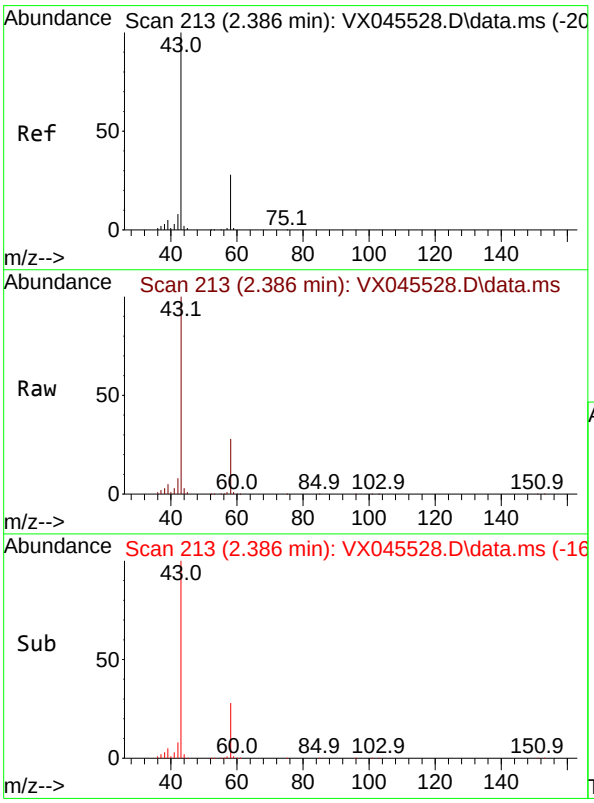
Ion	Ratio	Lower	Upper
53	100		
52	84.3	67.4	101.2
51	37.4	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

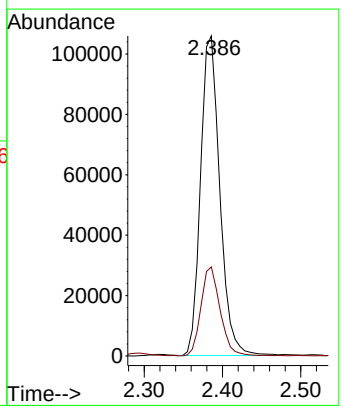
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

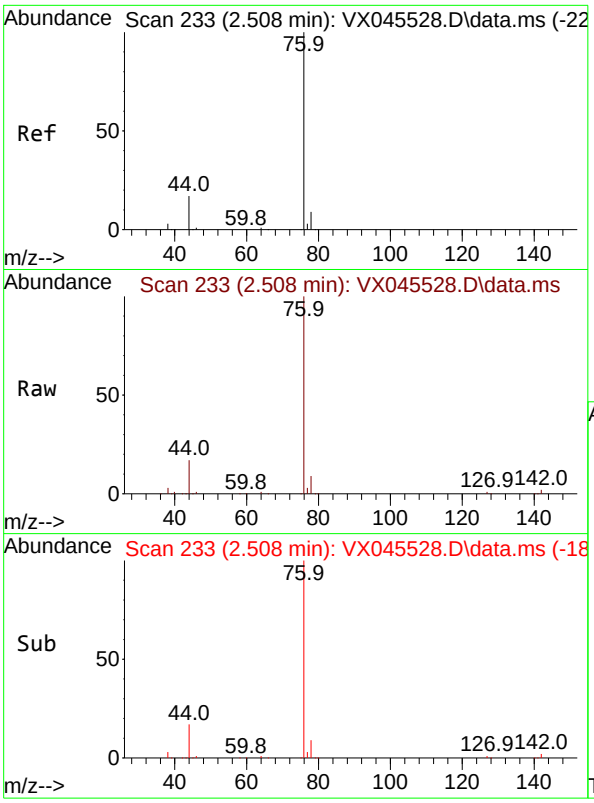


#16
Acetone
Concen: 251.366 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 180563

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.3	33.5

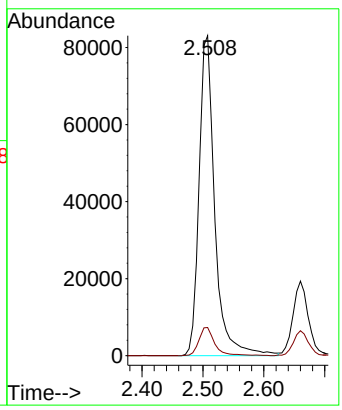




#17
Carbon Disulfide
Concen: 52.393 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 76 Resp: 14860

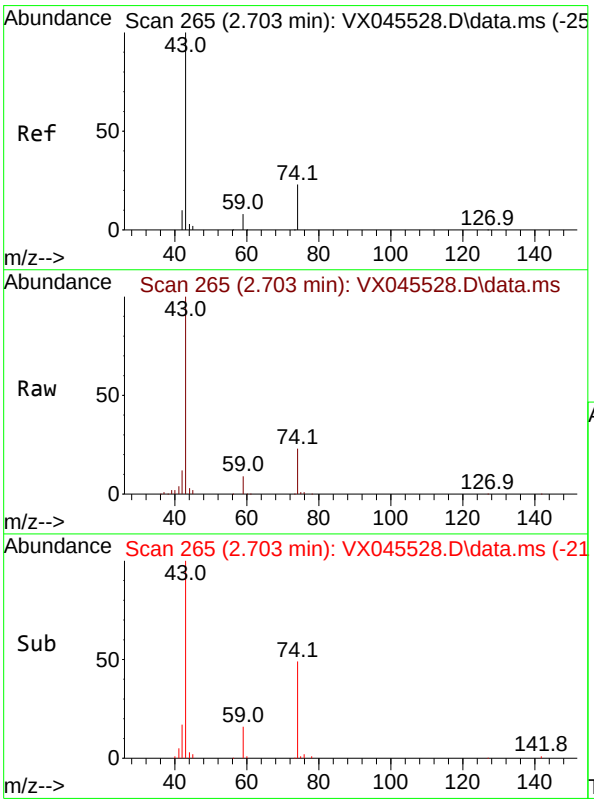
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

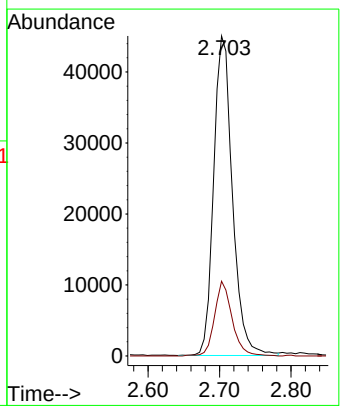
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

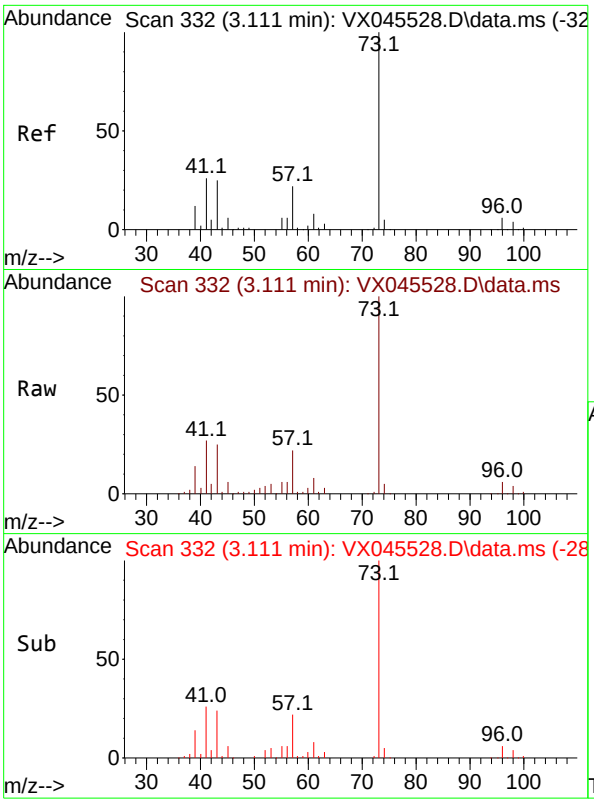


#18
Methyl Acetate
Concen: 49.581 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 82000

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.5	26.3

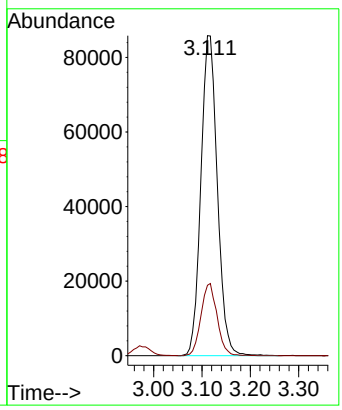




#19
Methyl tert-butyl Ether
Concen: 50.429 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 73 Resp: 20258

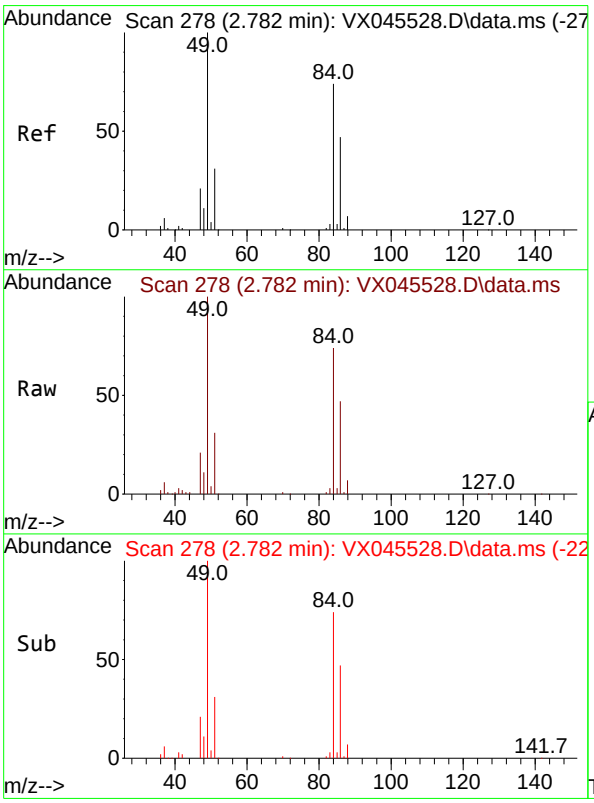
Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

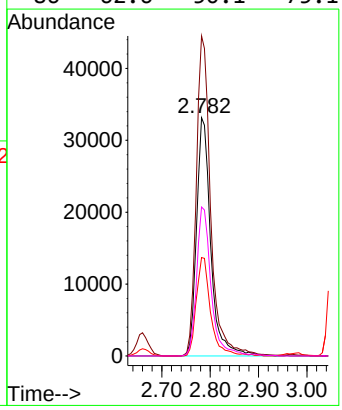
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

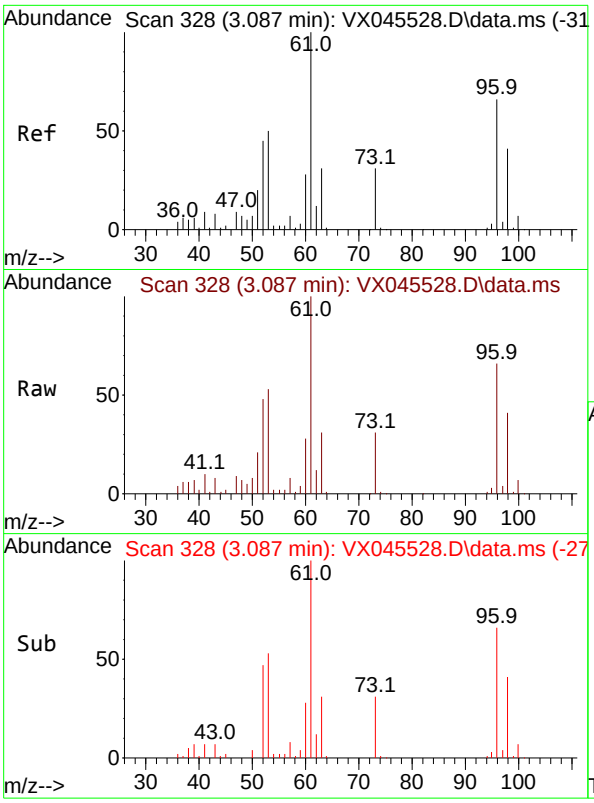


#20
Methylene Chloride
Concen: 50.457 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 84 Resp: 67855

Ion	Ratio	Lower	Upper
84	100		
49	134.4	107.5	161.3
51	41.3	33.0	49.6
86	62.6	50.1	75.1

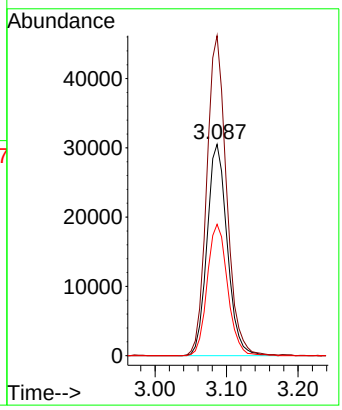




#21
trans-1,2-Dichloroethene
Concen: 50.882 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 96 Resp: 5969

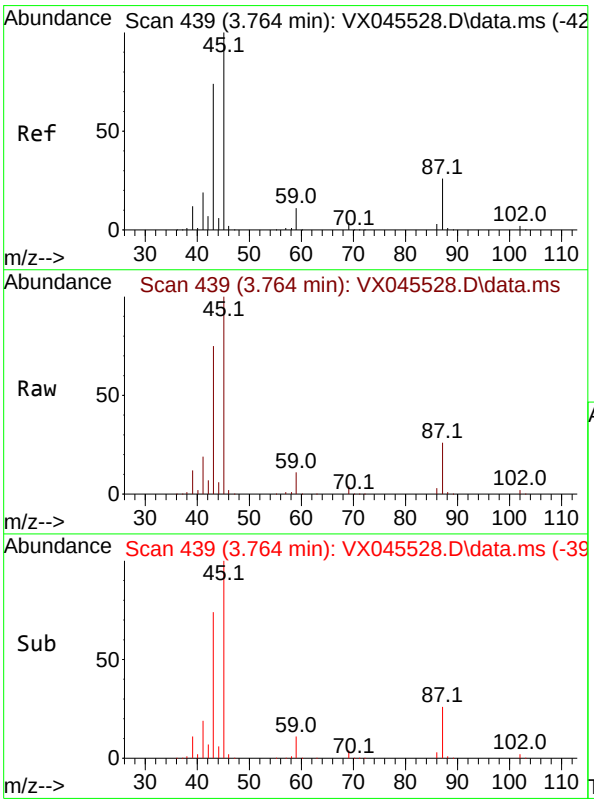
Ion	Ratio	Lower	Upper
96	100		
61	151.3	121.0	181.6
98	62.1	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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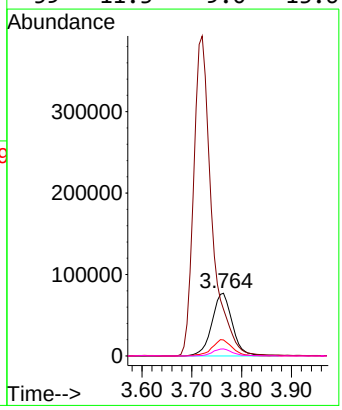
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

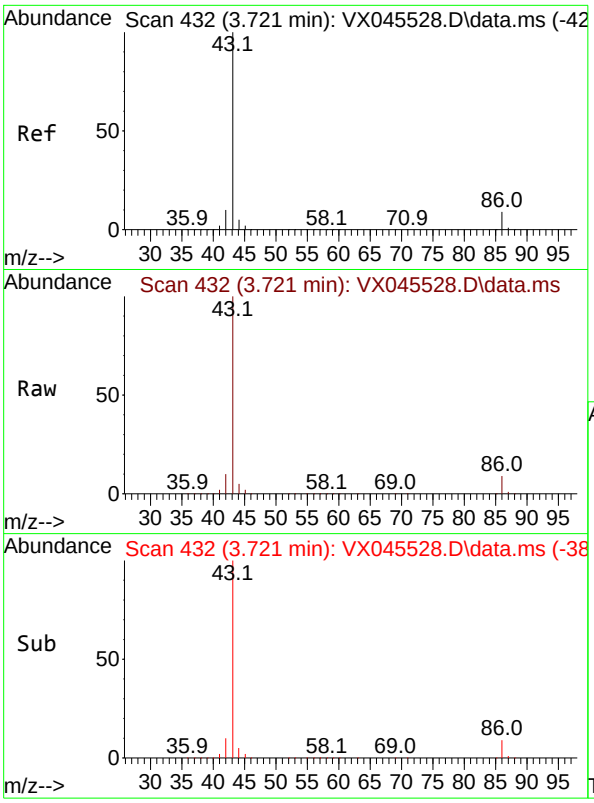


#22
Diisopropyl ether
Concen: 51.111 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 45 Resp: 219374

Ion	Ratio	Lower	Upper
45	100		
43	74.1	59.3	88.9
87	25.5	20.4	30.6
59	11.3	9.0	13.6





#23
Vinyl Acetate
Concen: 269.139 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

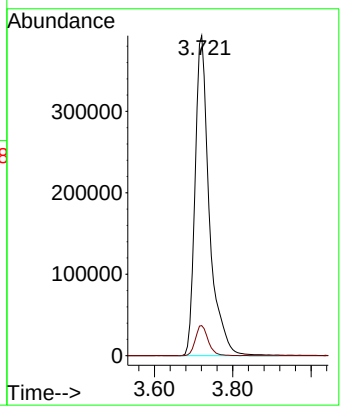
Tgt Ion: 43 Resp: 99806

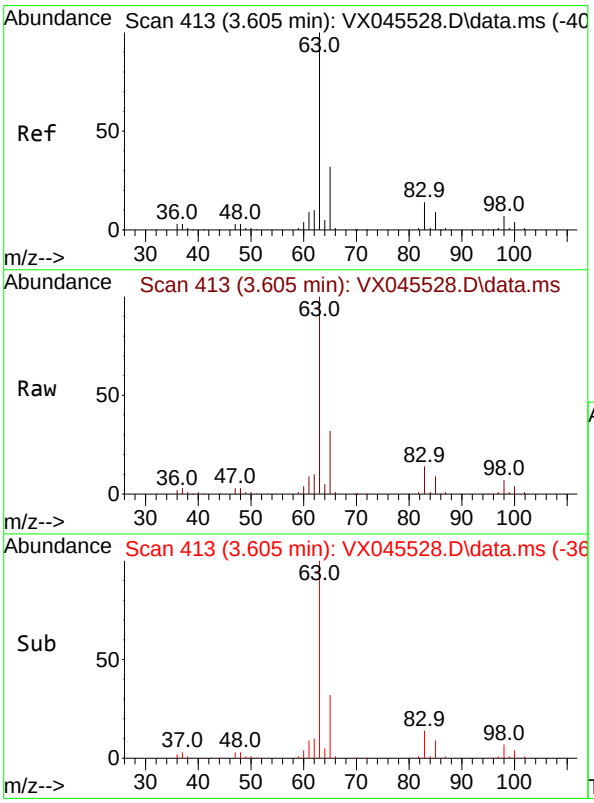
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

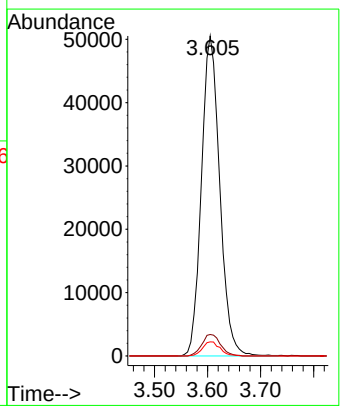


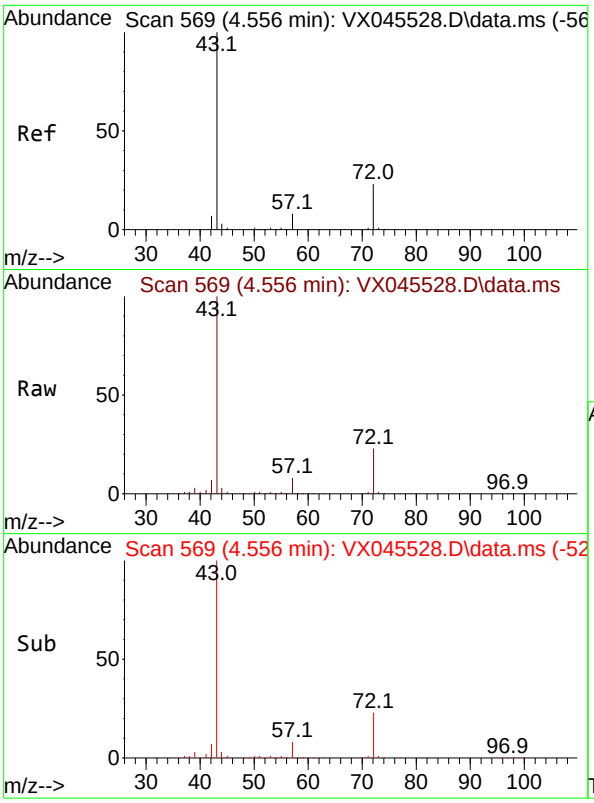


#24
1,1-Dichloroethane
Concen: 49.992 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 63 Resp: 121348

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.4	2.2	6.6





#25
2-Butanone
Concen: 266.363 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

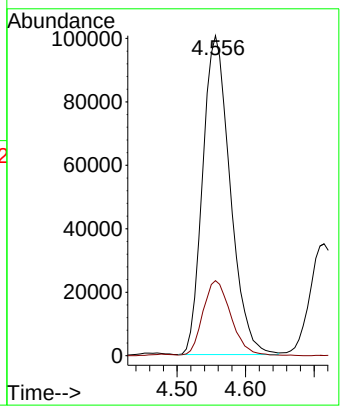
Tgt Ion: 43 Resp: 28007

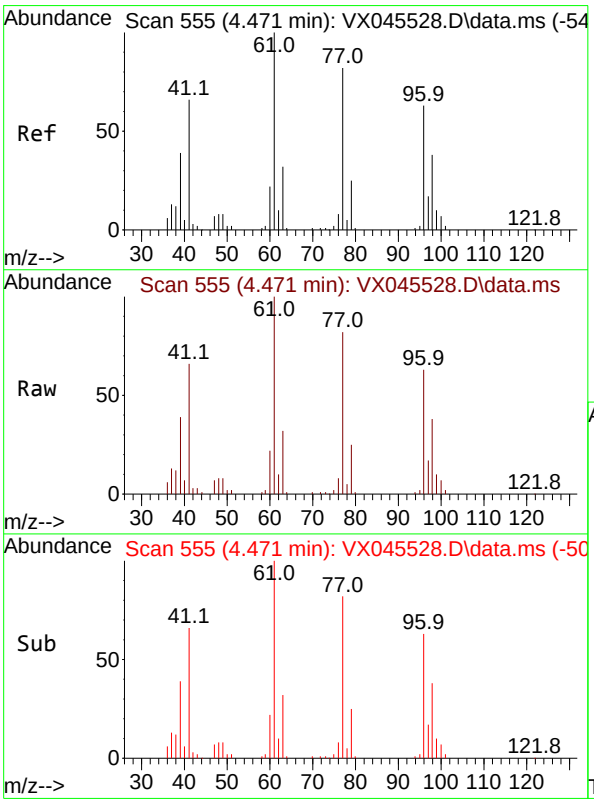
Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.6	28.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

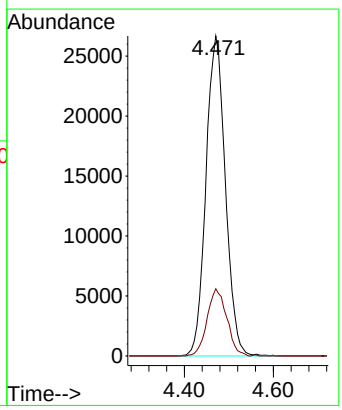


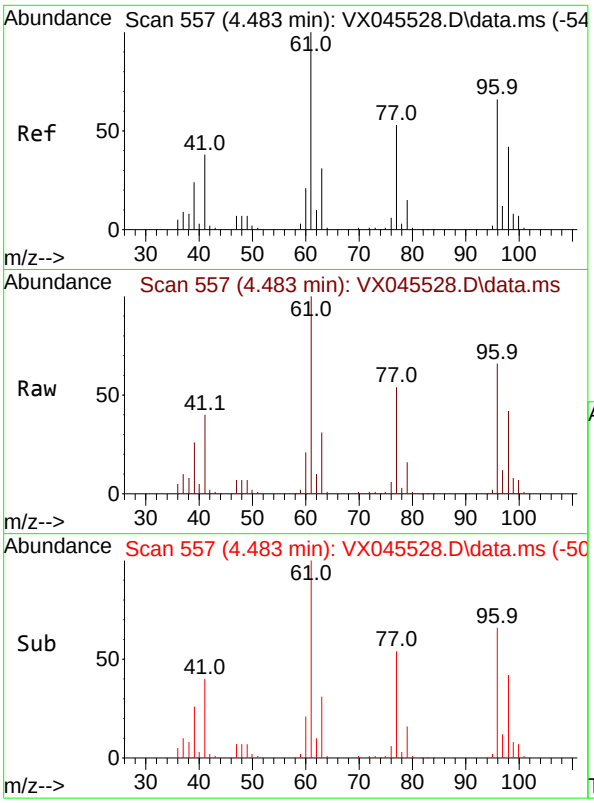


#26
2,2-Dichloropropane
Concen: 51.683 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 77 Resp: 81054

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8

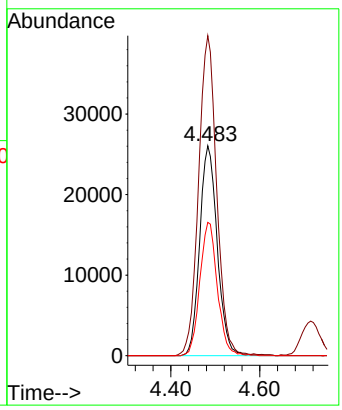




#27
cis-1,2-Dichloroethene
Concen: 50.282 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 96 Resp: 7187

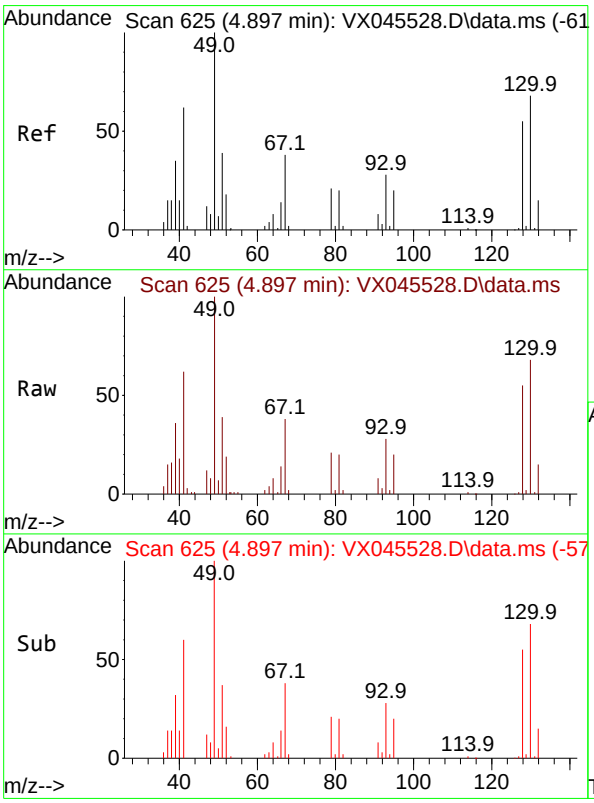
Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	313.2
98	63.2	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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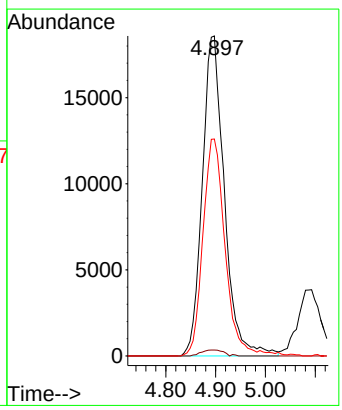
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

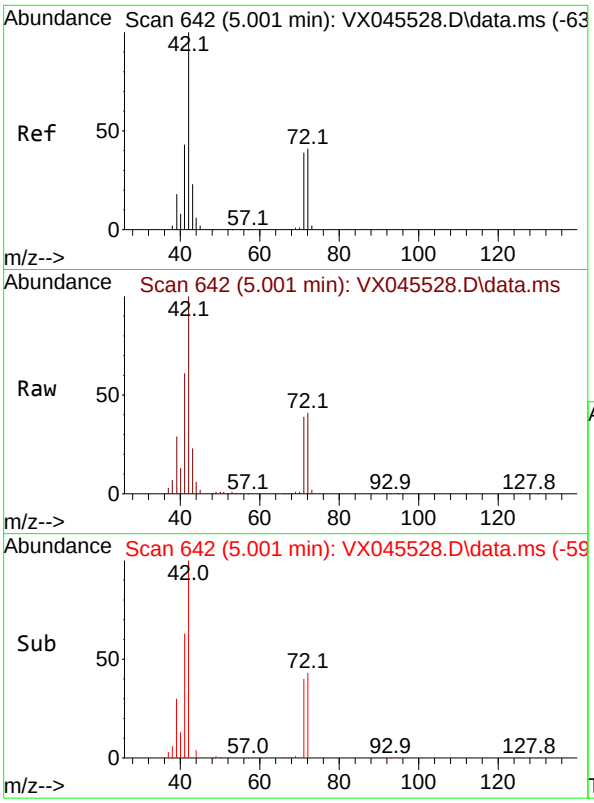


#28
Bromochloromethane
Concen: 48.632 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 49 Resp: 57046

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	68.2	54.6	81.8





#29
Tetrahydrofuran
Concen: 260.230 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

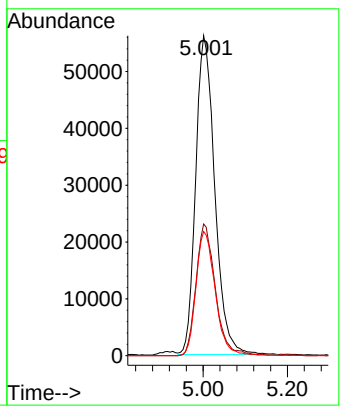
Tgt Ion: 42 Resp: 17740

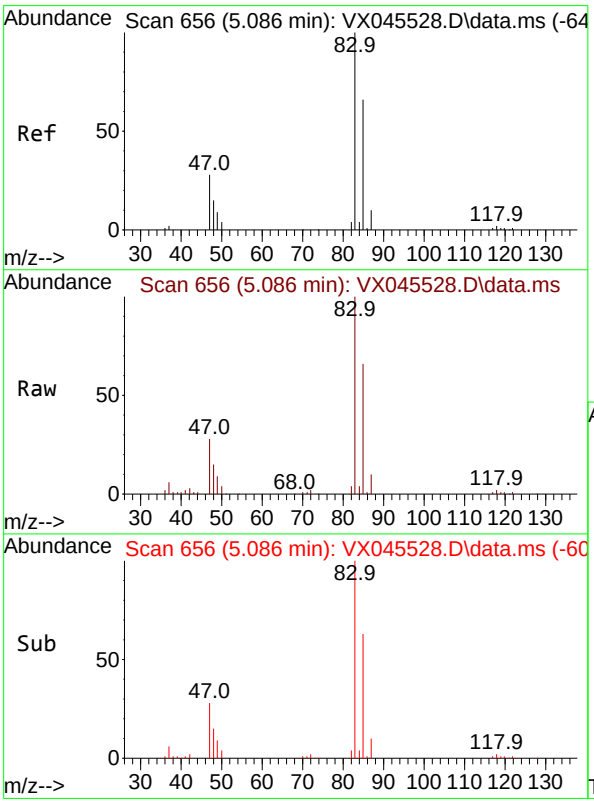
Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.4	50.0
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

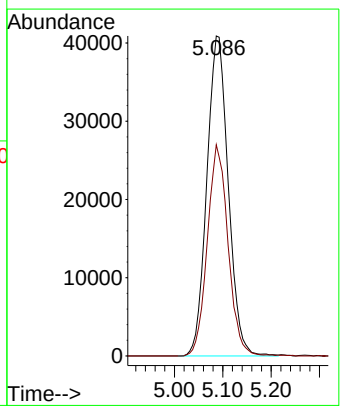


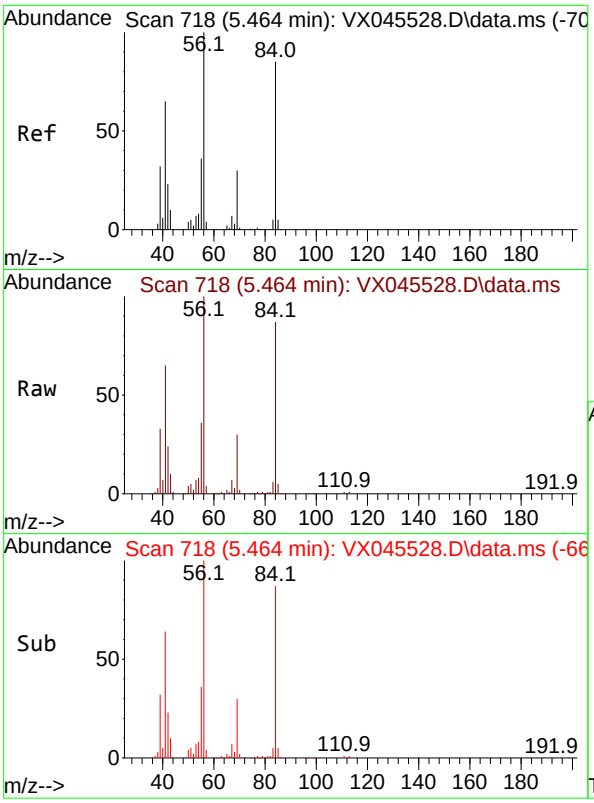


#30
Chloroform
Concen: 50.366 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 83 Resp: 125797

Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.8	79.2

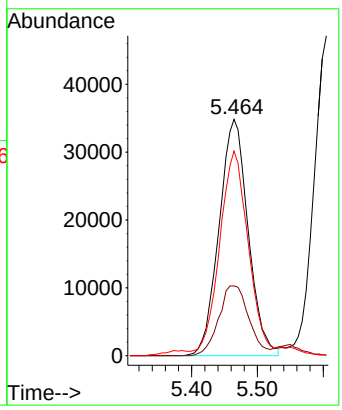




#31
Cyclohexane
Concen: 50.052 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 56 Resp: 10740

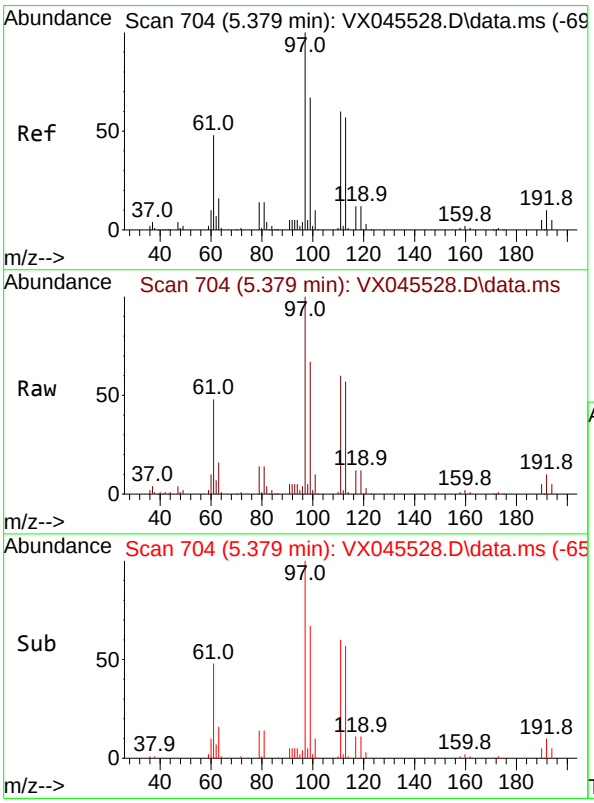
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.6	35.4
84	84.6	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

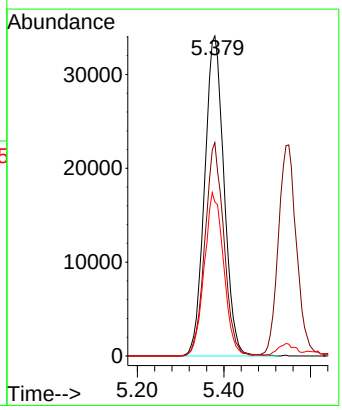
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

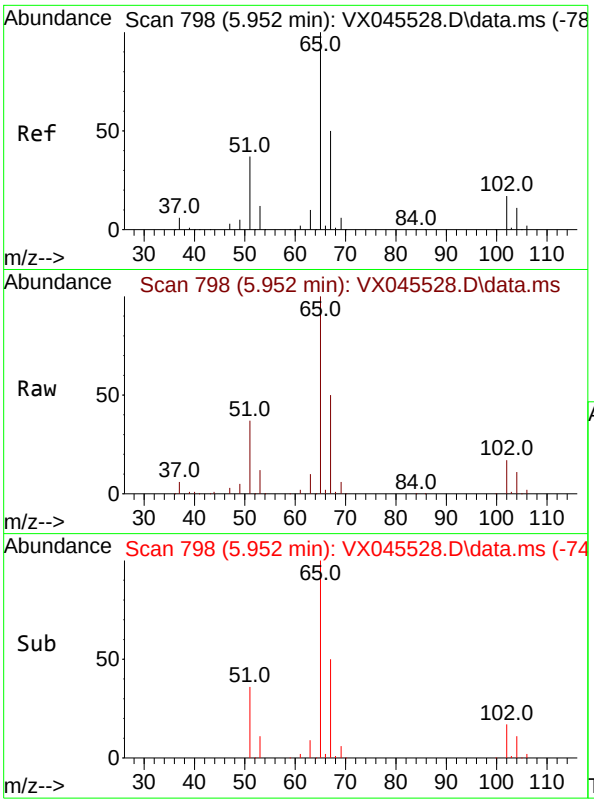


#32
1,1,1-Trichloroethane
Concen: 50.184 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 97 Resp: 106062

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	51.2	41.0	61.4

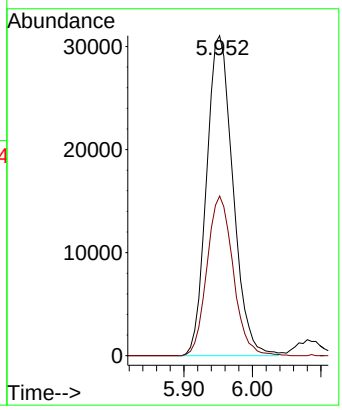




#33
1,2-Dichloroethane-d4
Concen: 47.477 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 65 Resp: 8305

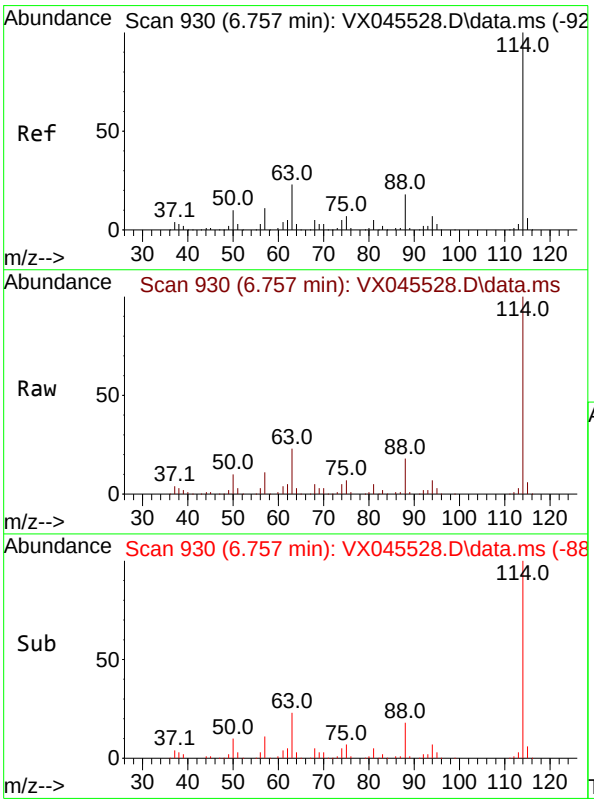
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

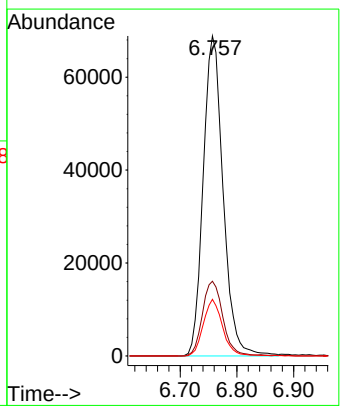
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

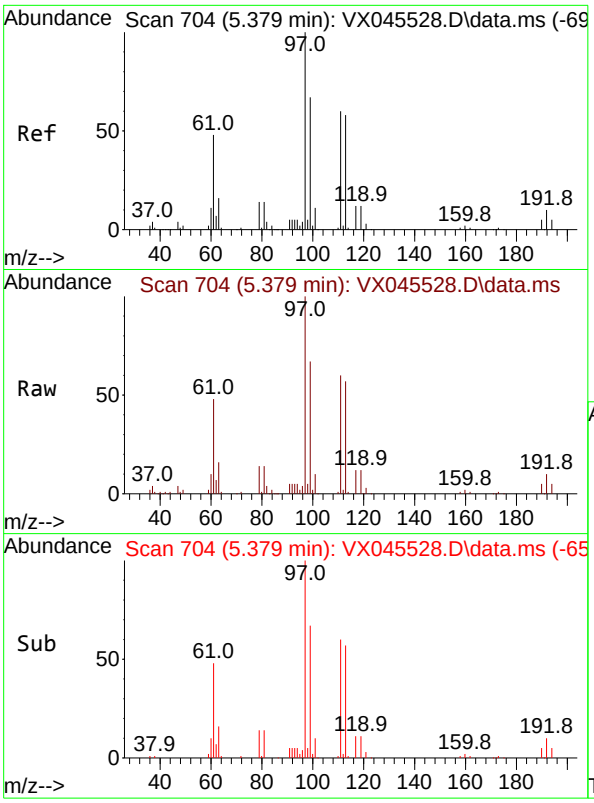


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:114 Resp: 168287

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.8
88	17.7	0.0	35.4

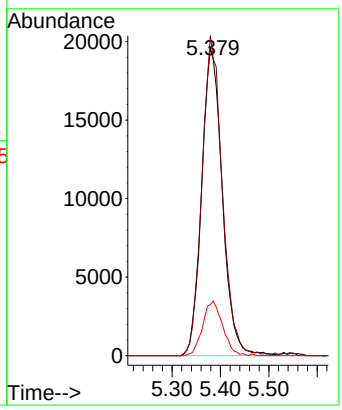




#35
Dibromofluoromethane
Concen: 48.667 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:113 Resp: 5810

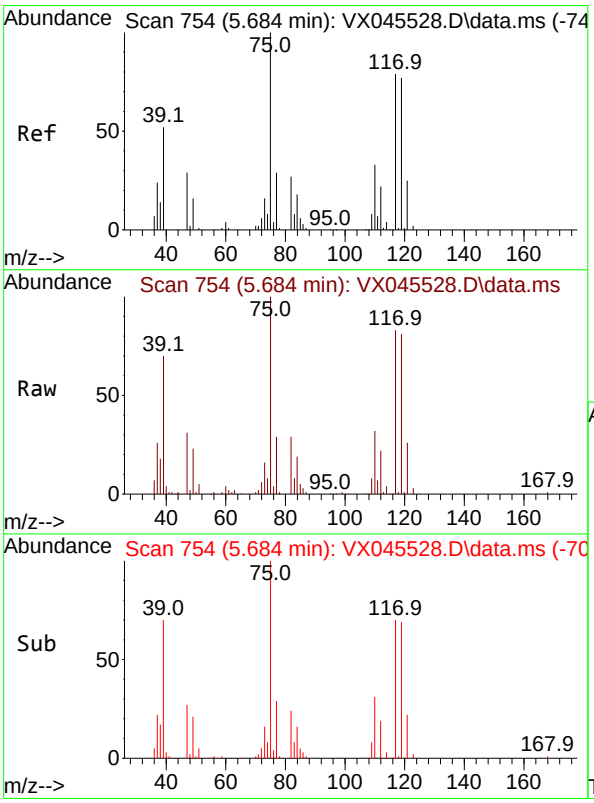
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.2	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

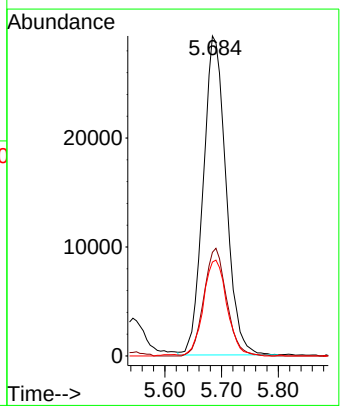
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

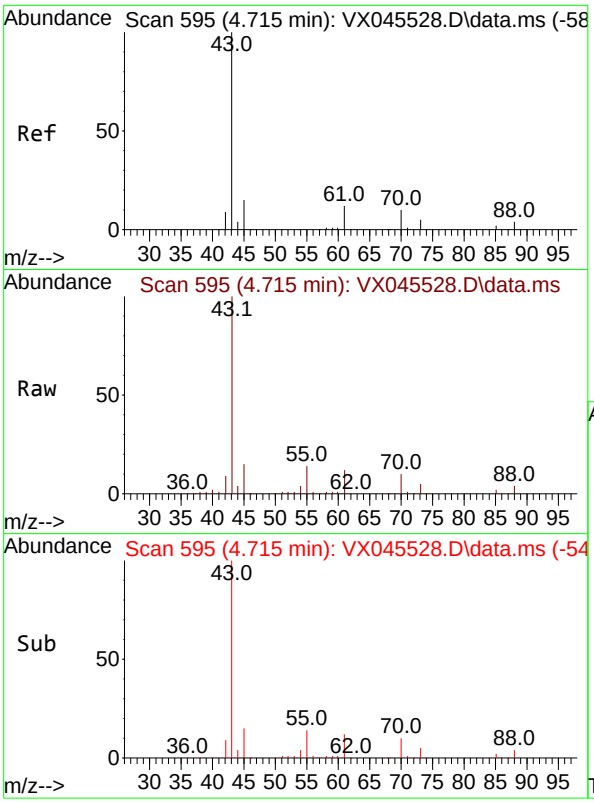


#36
1,1-Dichloropropene
Concen: 50.620 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 81607

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	31.2	25.0	37.4

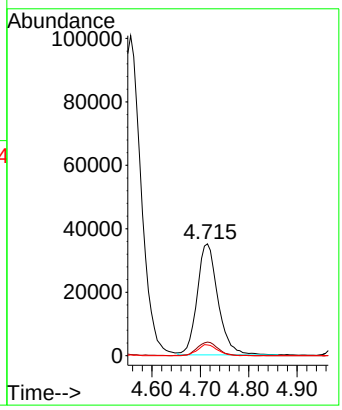




#37
Ethyl Acetate
Concen: 51.632 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 10489

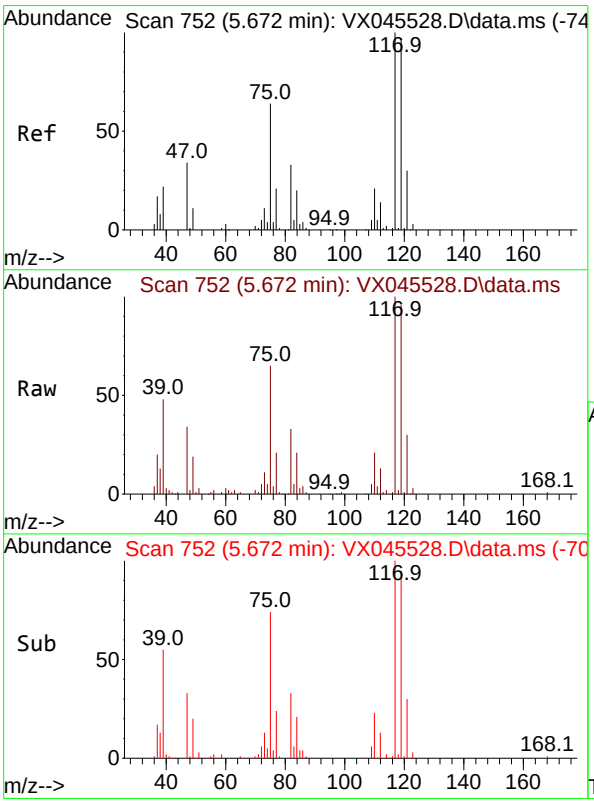
Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.9	14.9
70	9.4	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

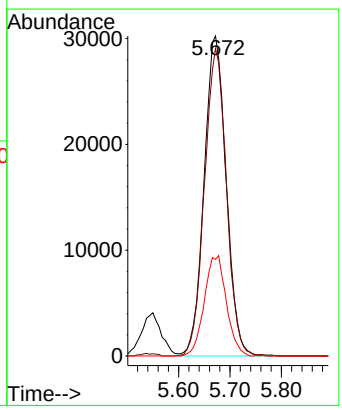
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

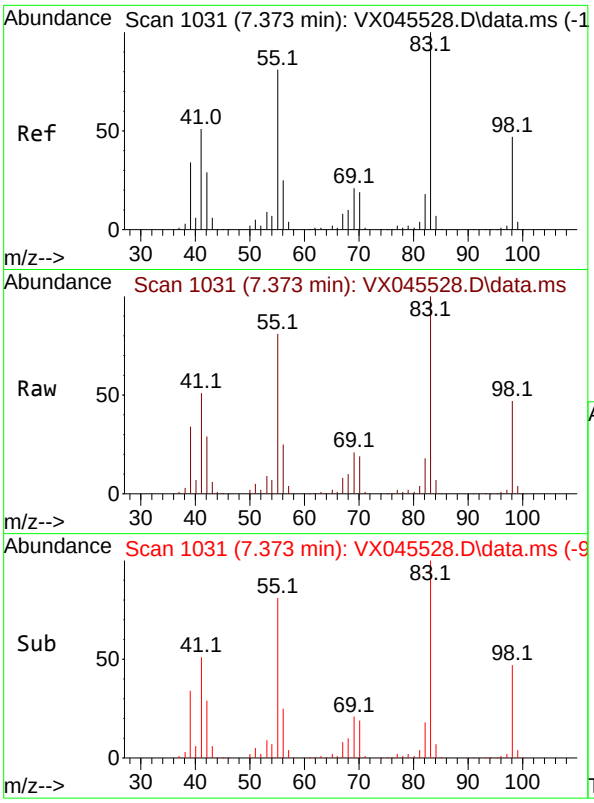


#38
Carbon Tetrachloride
Concen: 51.797 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:117 Resp: 90247

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	30.2	24.2	36.2

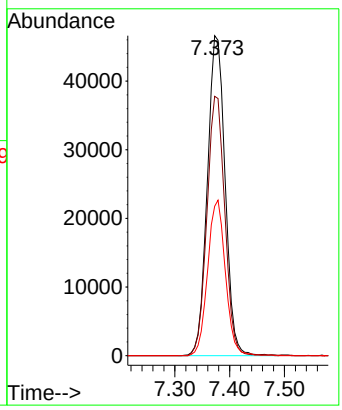




#39
Methylcyclohexane
Concen: 52.970 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 83 Resp: 10467

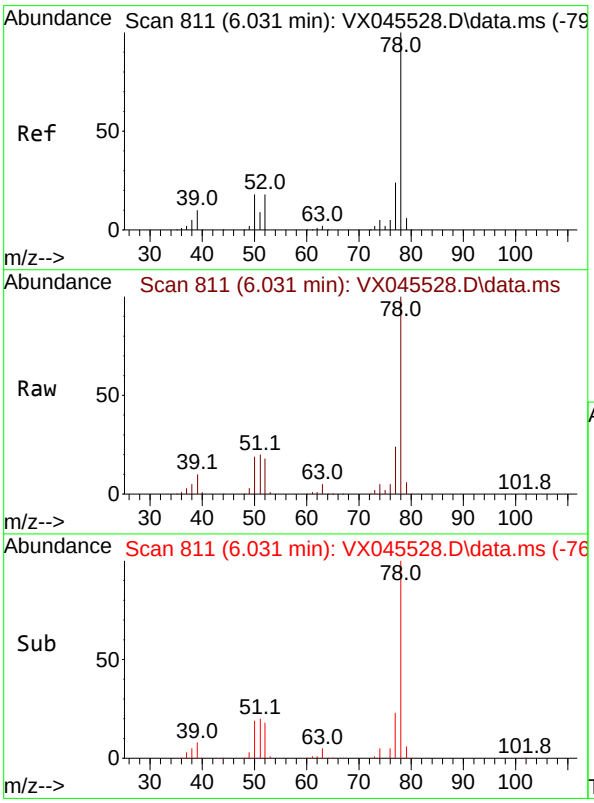
Ion	Ratio	Lower	Upper
83	100		
55	81.1	64.9	97.3
98	46.7	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

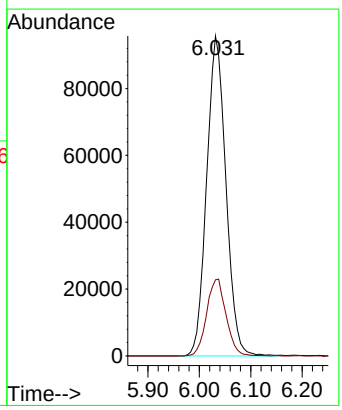
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

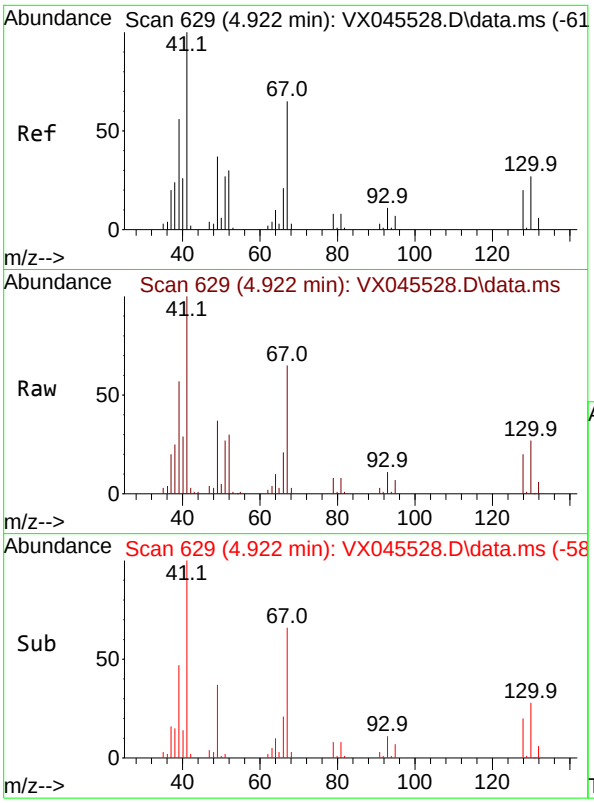


#40
Benzene
Concen: 50.605 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 78 Resp: 249161

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6

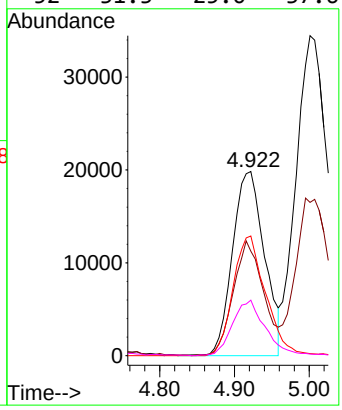




#41
Methacrylonitrile
Concen: 54.623 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 41 Resp: 5906

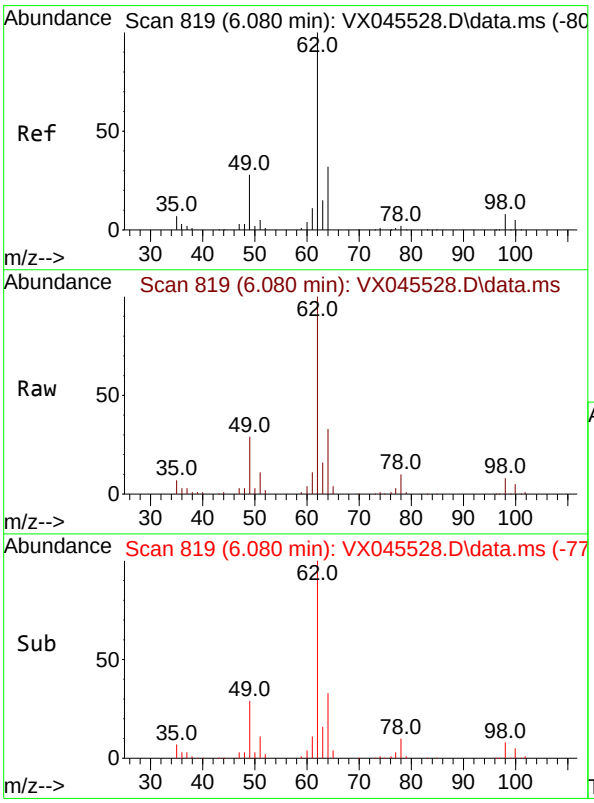
Ion	Ratio	Lower	Upper
41	100		
39	58.8	47.0	70.6
67	66.5	53.2	79.8
52	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

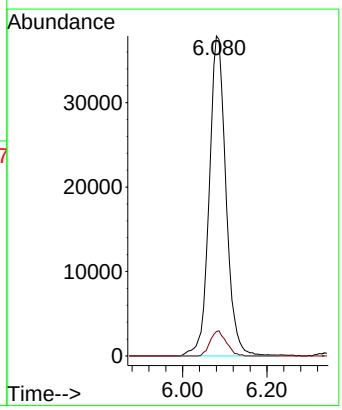
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

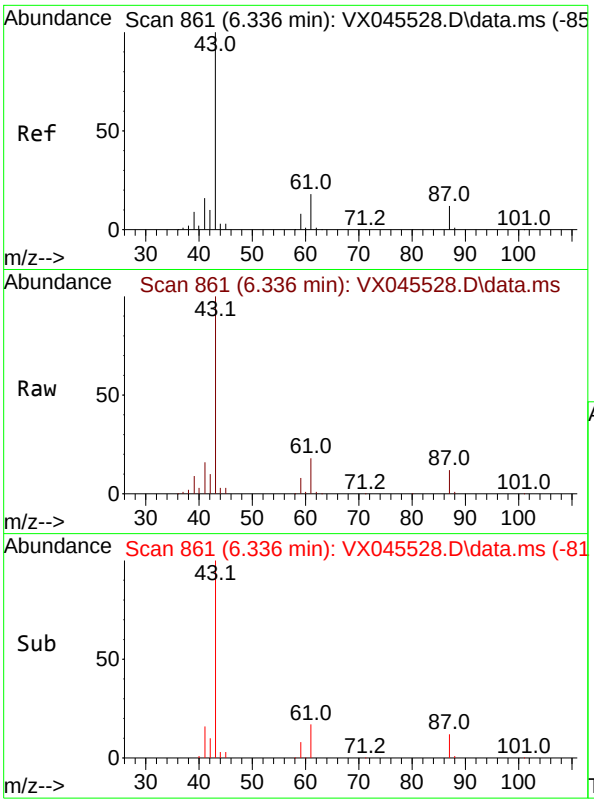


#42
1,2-Dichloroethane
Concen: 51.437 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 62 Resp: 104601

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43
Isopropyl Acetate
Concen: 53.452 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

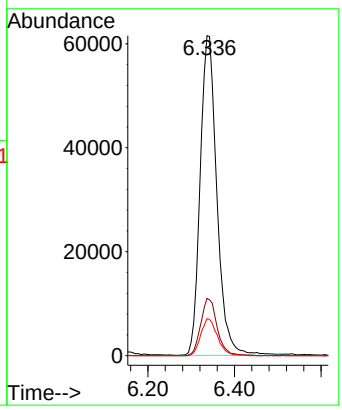
Tgt Ion: 43 Resp: 16458

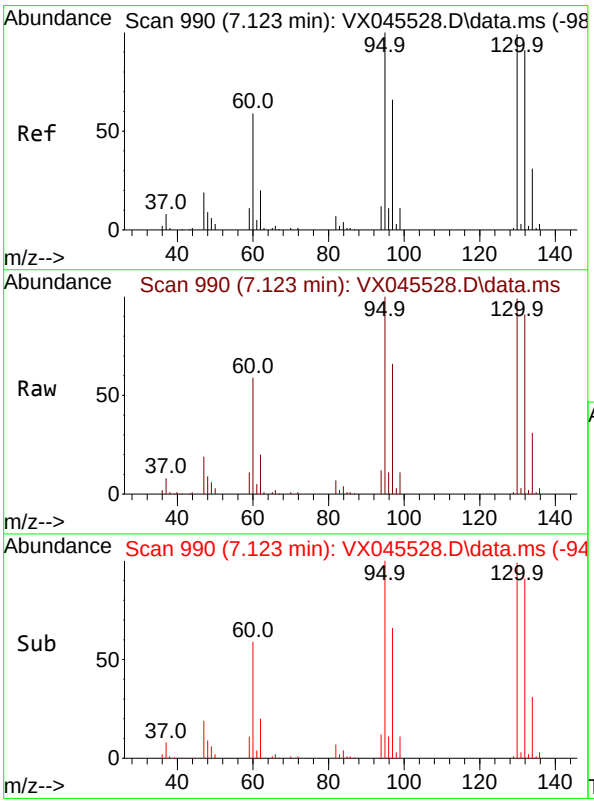
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.1	21.1
87	11.5	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

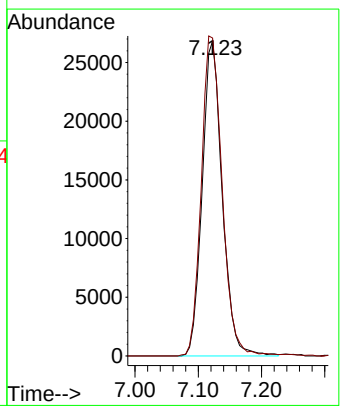


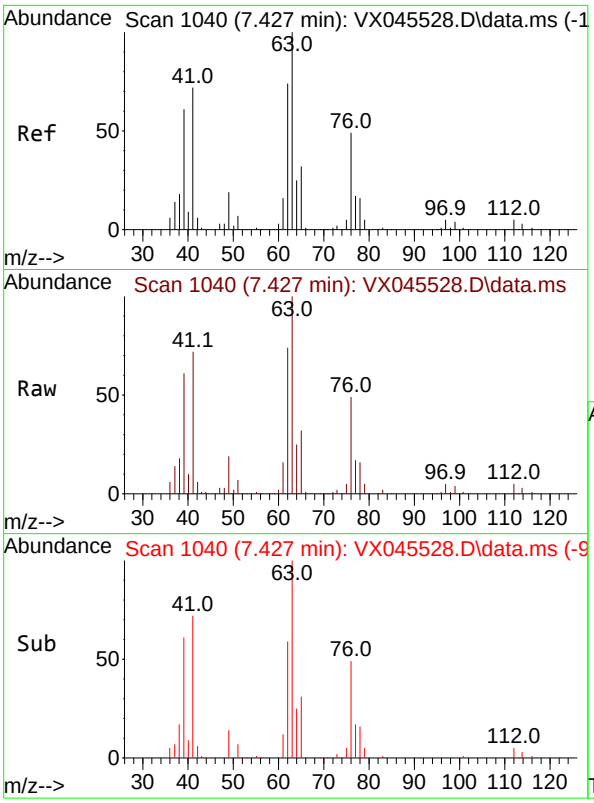


#44
Trichloroethene
Concen: 50.452 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:130 Resp: 59042

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	202.0

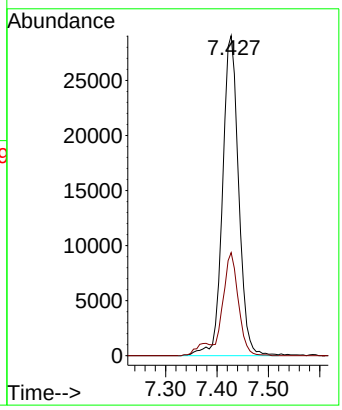




#45
1,2-Dichloropropane
Concen: 51.540 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 63 Resp: 6331

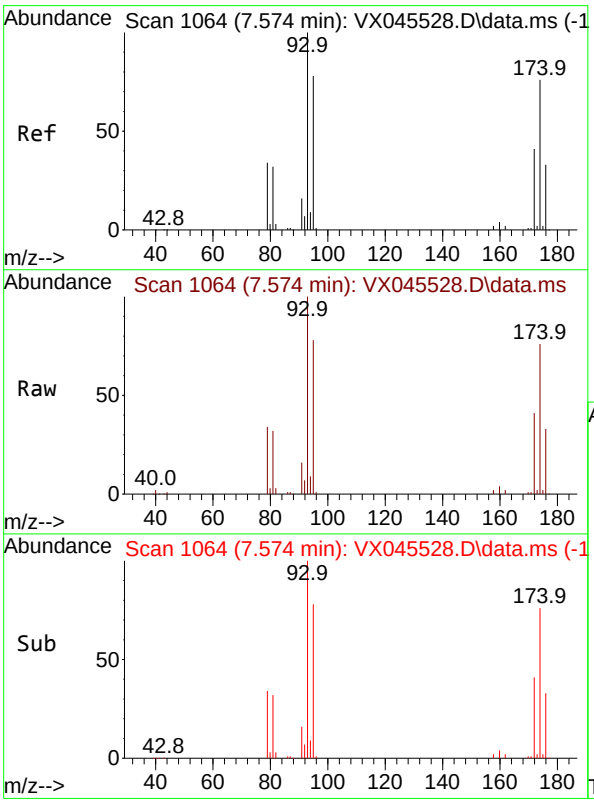
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

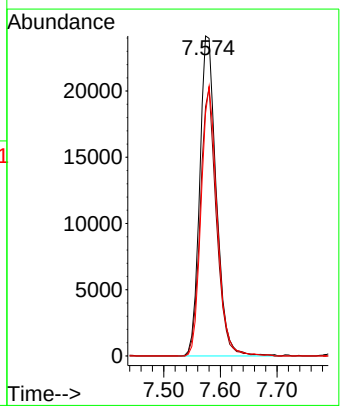
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

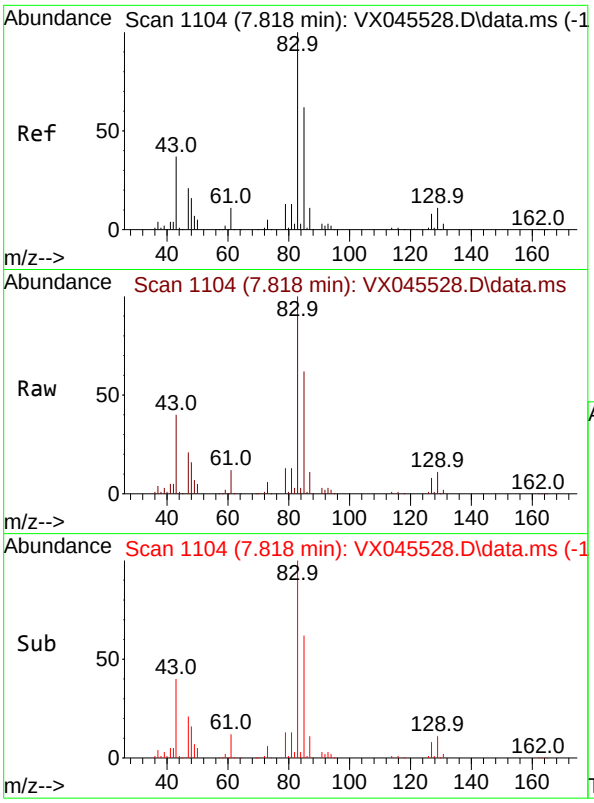


#46
Dibromomethane
Concen: 52.092 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 93 Resp: 49125

Ion	Ratio	Lower	Upper
93	100		
95	81.0	64.8	97.2
174	81.7	65.4	98.0

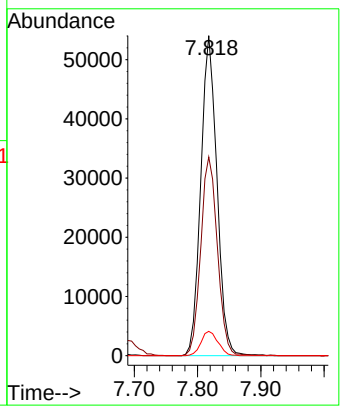




#47
Bromodichloromethane
Concen: 51.068 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 83 Resp: 9617

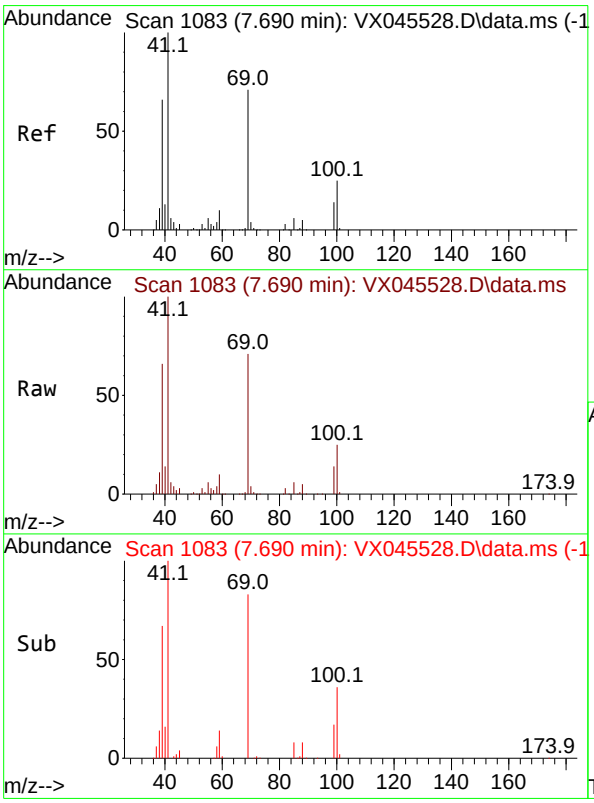
Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.7	74.5
127	7.6	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

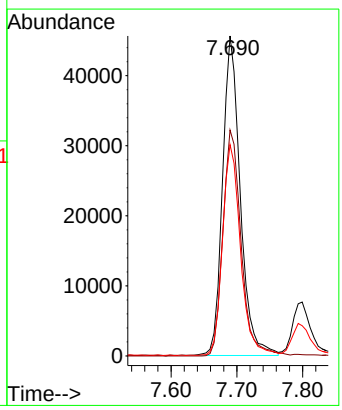
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

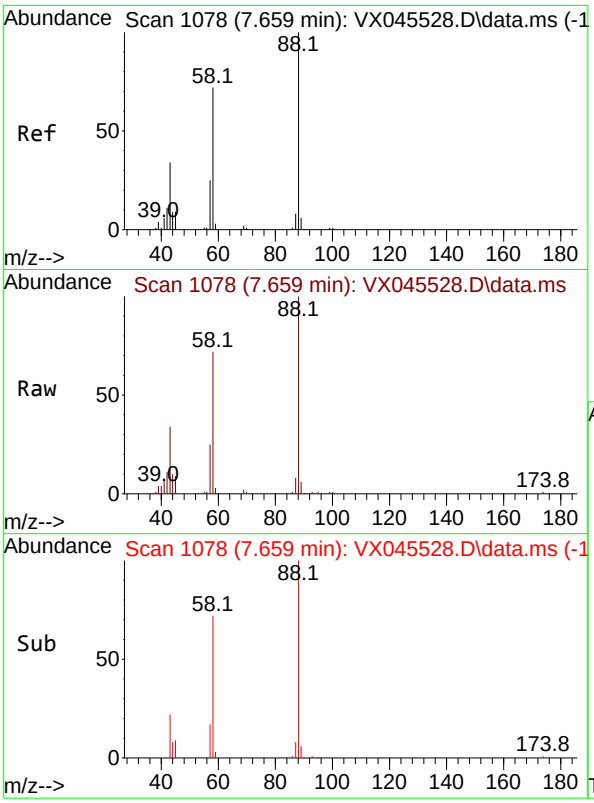


#48
Methyl methacrylate
Concen: 53.768 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 41 Resp: 85483

Ion	Ratio	Lower	Upper
41	100		
69	72.7	58.2	87.2
39	67.0	53.6	80.4

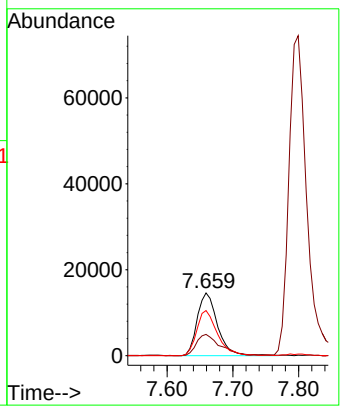




#49
1,4-Dioxane
Concen: 1084.635 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 88 Resp: 3119

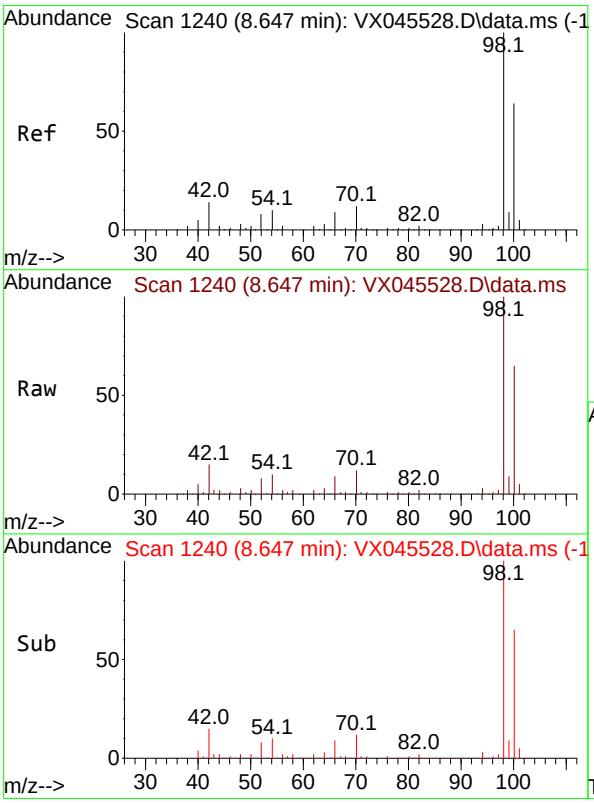
Ion	Ratio	Lower	Upper
88	100		
43	40.3	32.2	48.4
58	73.3	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

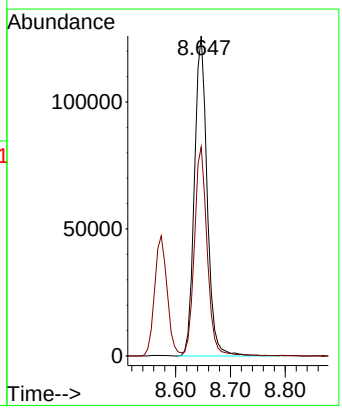
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

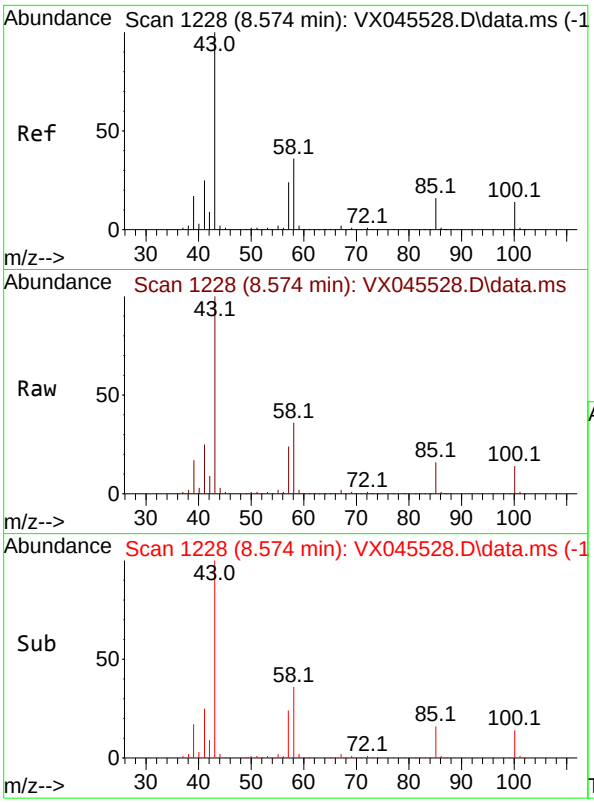


#50
Toluene-d8
Concen: 49.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 98 Resp: 204338

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.4

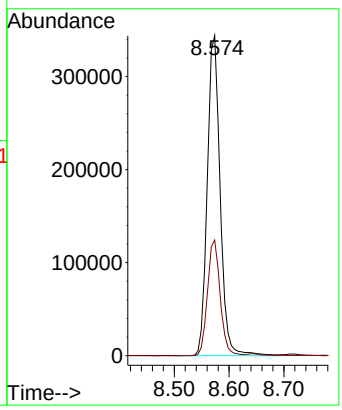




#51
4-Methyl-2-Pentanone
Concen: 273.375 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 55802

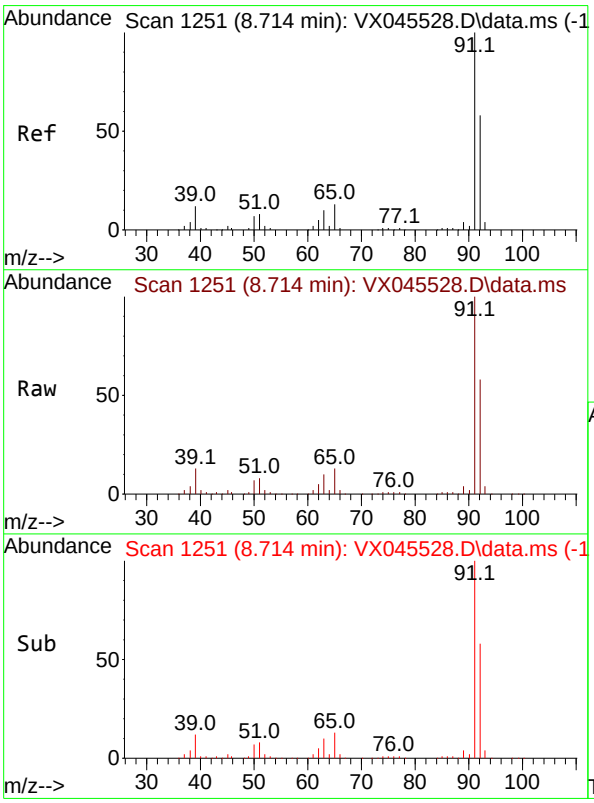
Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

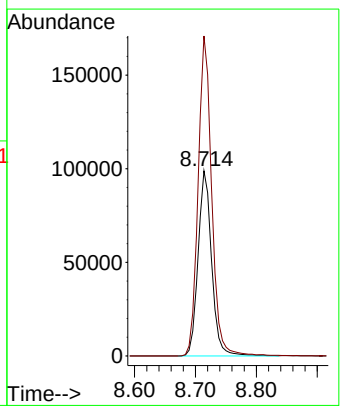
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

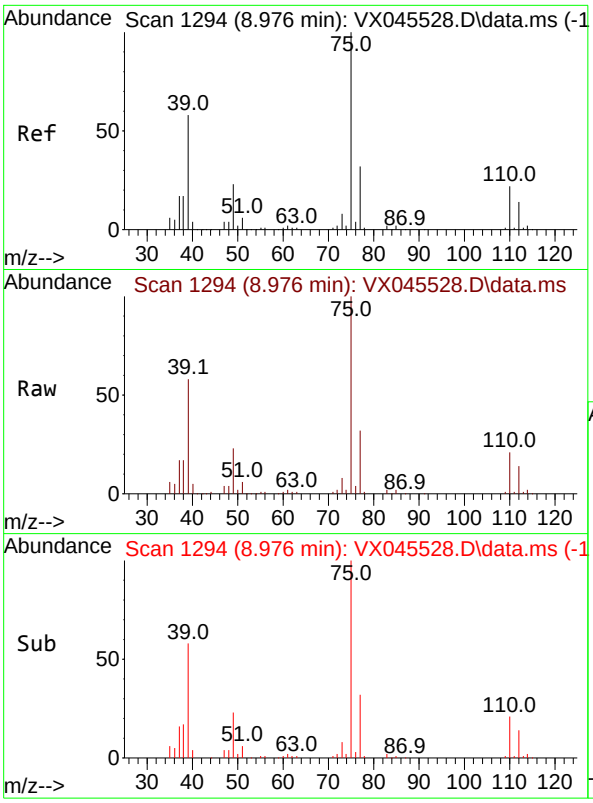


#52
Toluene
Concen: 51.402 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 92 Resp: 153143

Ion	Ratio	Lower	Upper
92	100		
91	173.4	138.7	208.1

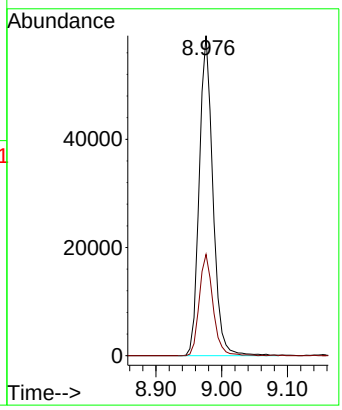




#53
t-1,3-Dichloropropene
Concen: 47.317 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 8546

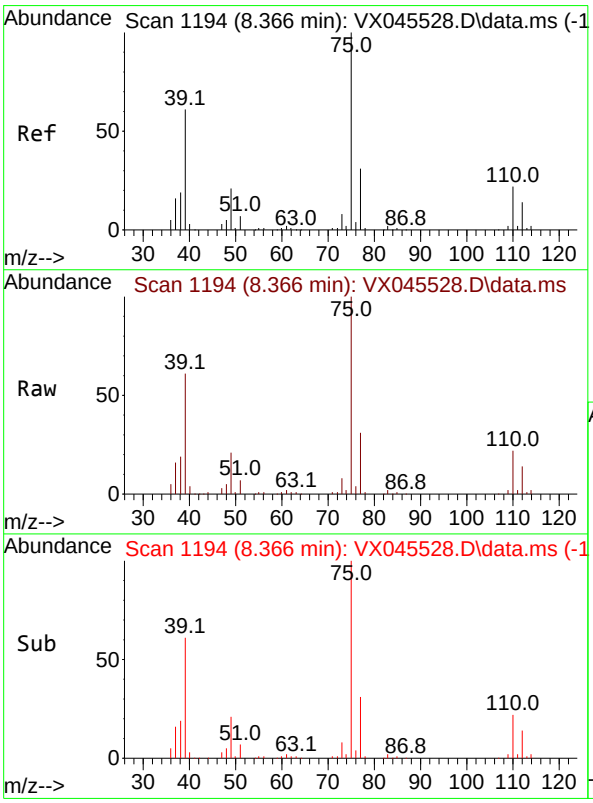
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

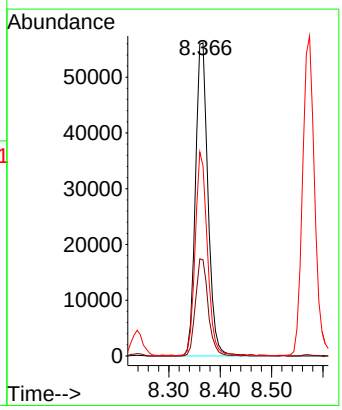
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

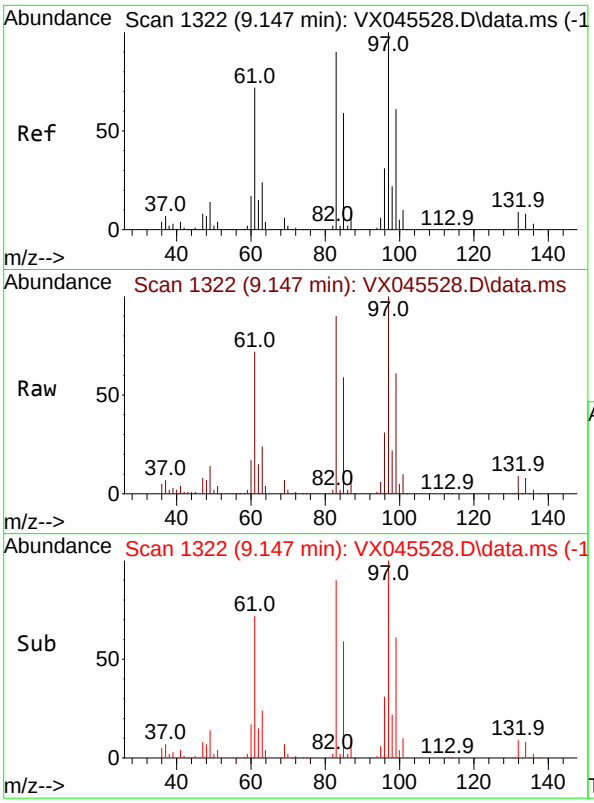


#54
cis-1,3-Dichloropropene
Concen: 53.975 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 95524

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.6	36.8
39	60.5	48.4	72.6

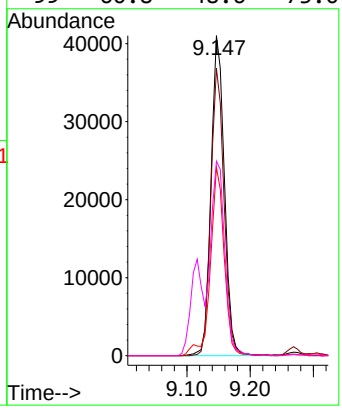




#55
1,1,2-Trichloroethane
Concen: 50.919 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 97 Resp: 6045

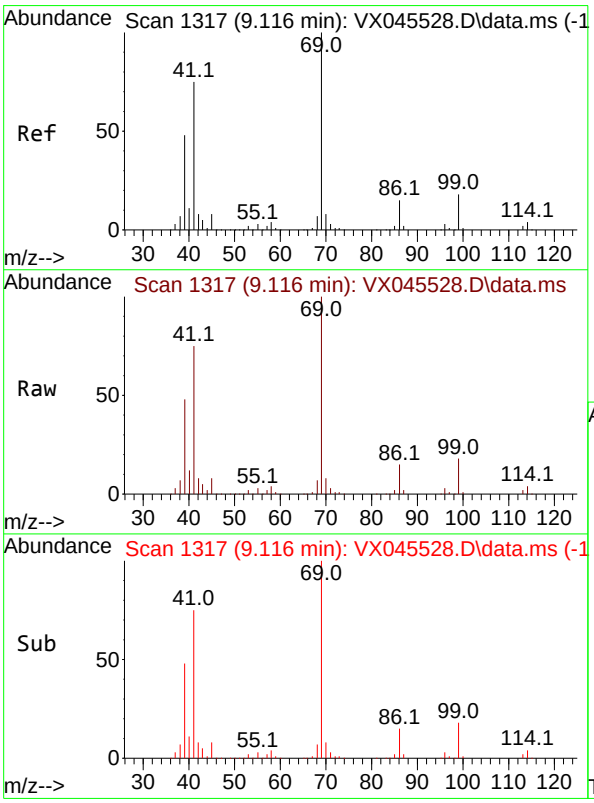
Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.8	107.8
85	58.8	47.0	70.6
99	60.8	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

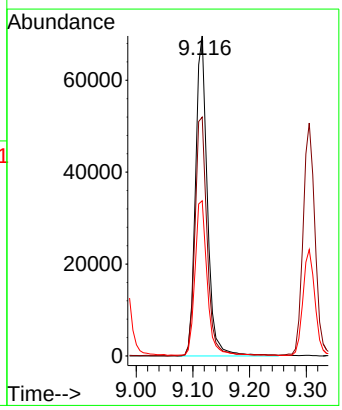
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

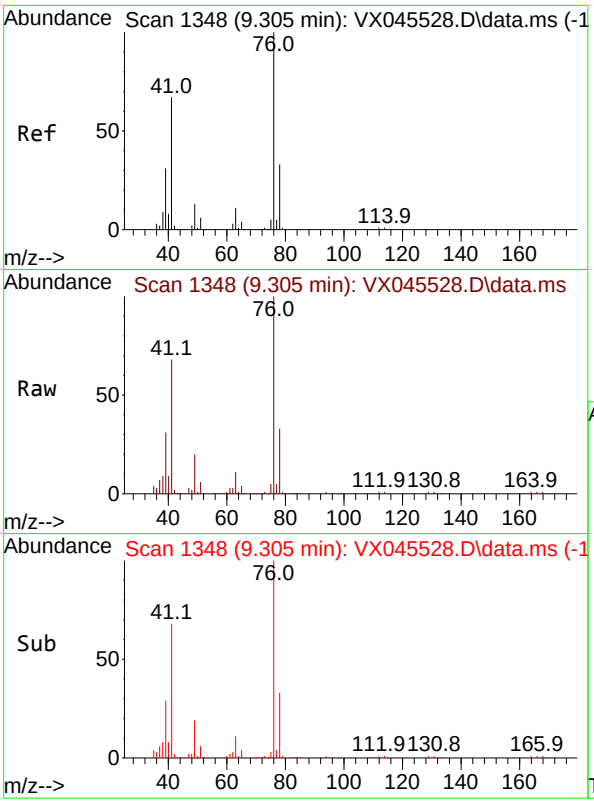


#56
Ethyl methacrylate
Concen: 54.970 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 69 Resp: 100998

Ion	Ratio	Lower	Upper
69	100		
41	76.6	61.3	91.9
39	50.2	40.2	60.2

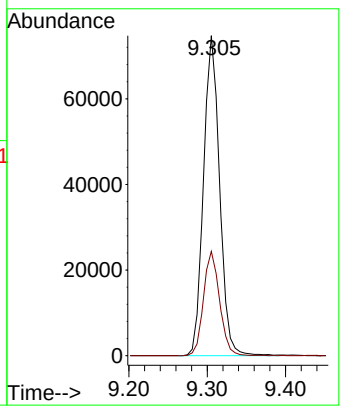




#57
1,3-Dichloropropane
Concen: 51.554 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 76 Resp: 10658

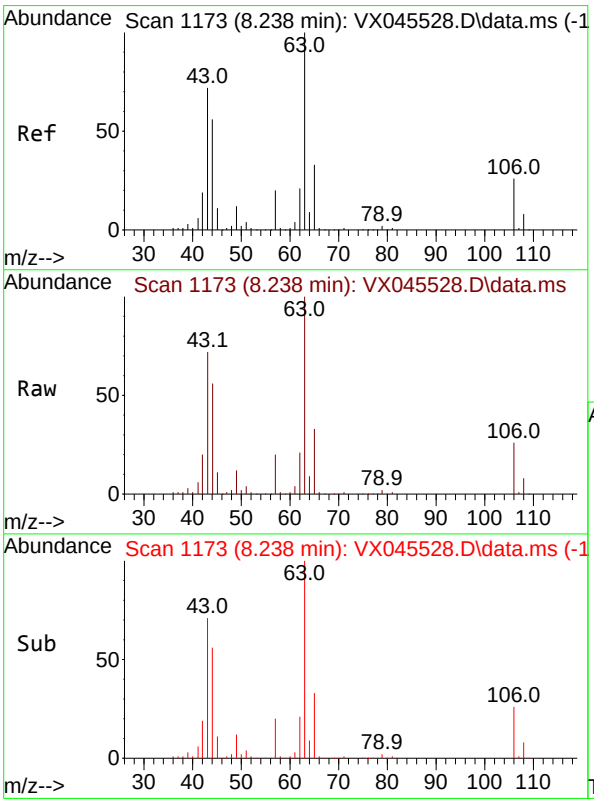
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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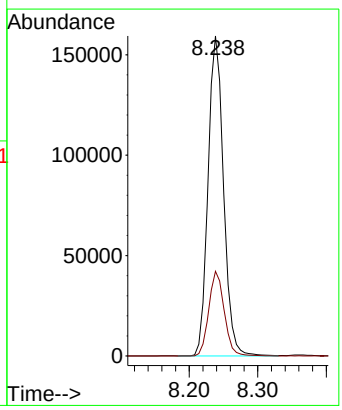
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

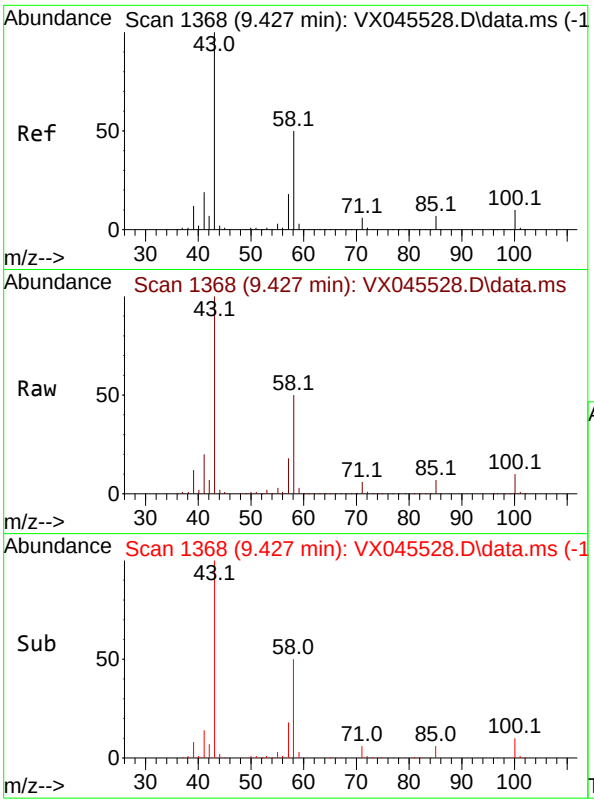


#58
2-Chloroethyl Vinyl ether
Concen: 269.434 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 63 Resp: 250428

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.6





#59
2-Hexanone
Concen: 273.765 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

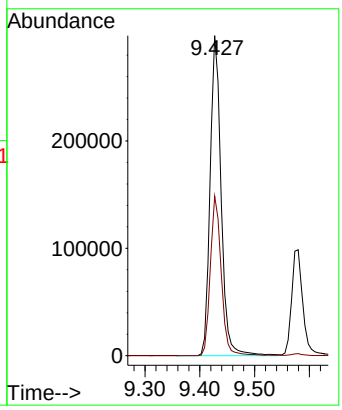
Tgt Ion: 43 Resp: 41382

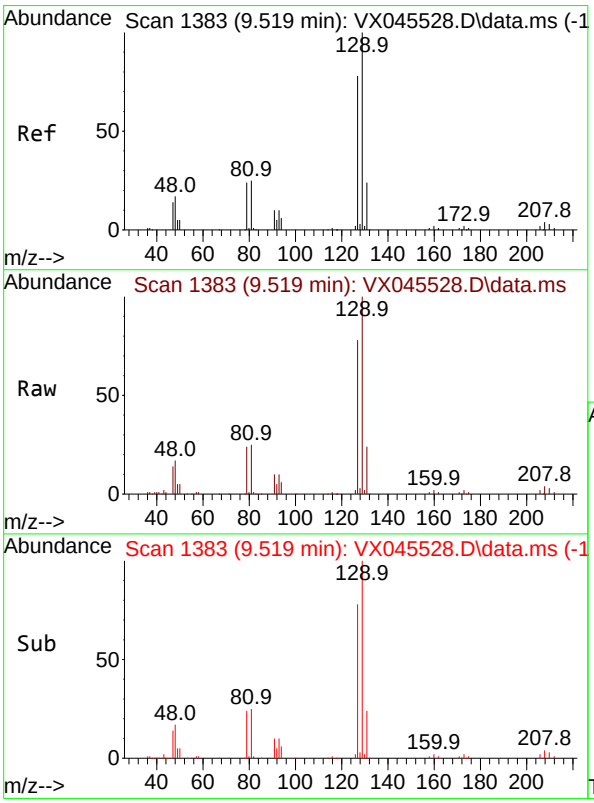
Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

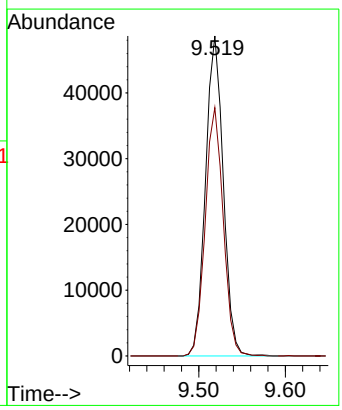


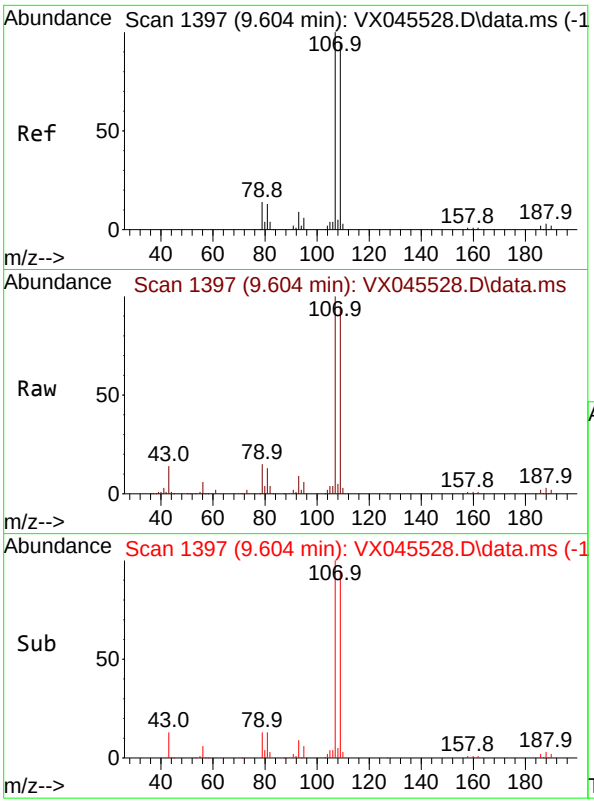


#60
Dibromochloromethane
Concen: 53.511 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:129 Resp: 69258

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.4	118.2

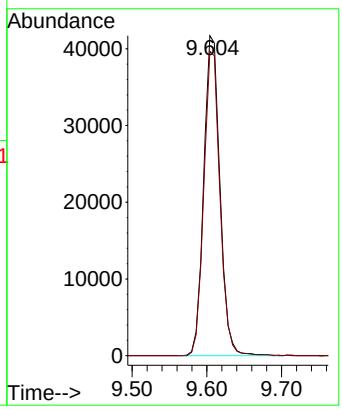




#61
1,2-Dibromoethane
Concen: 52.264 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:107 Resp: 6281

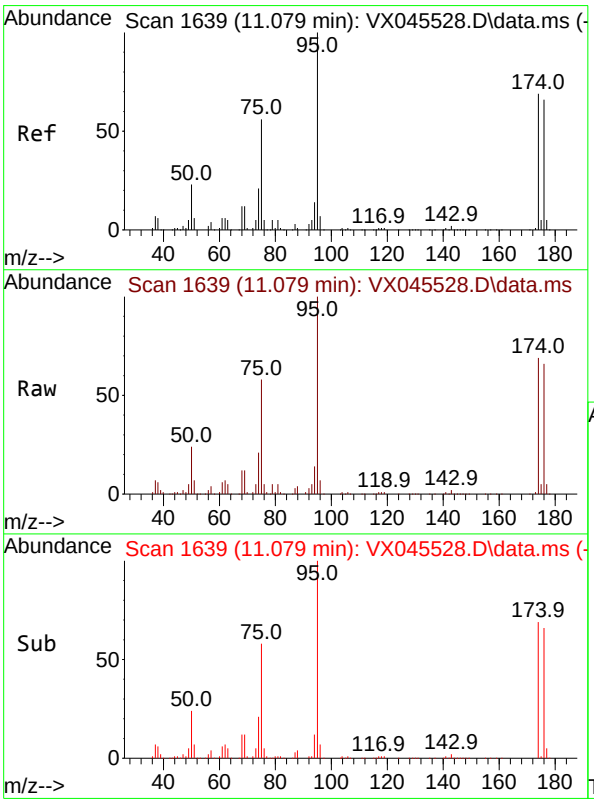
Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

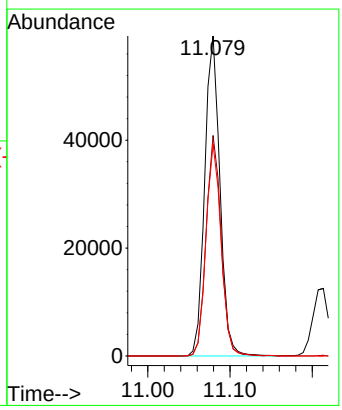
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

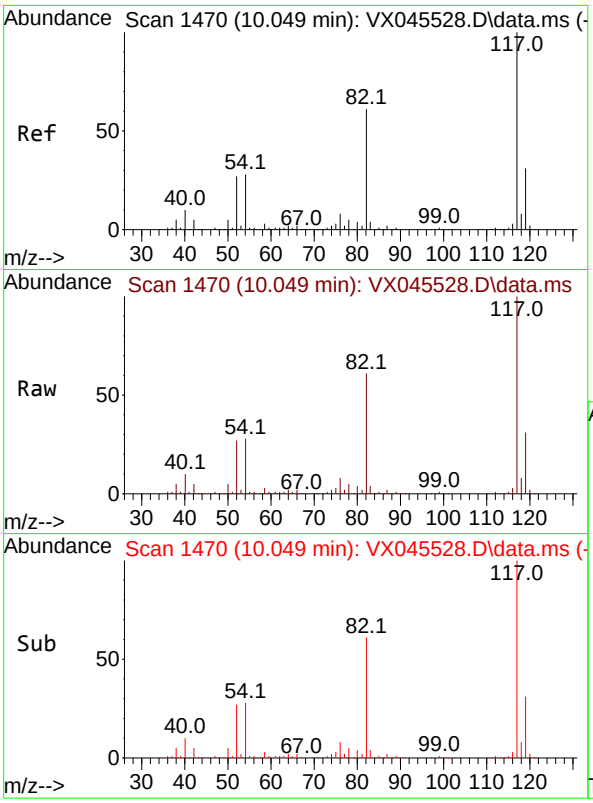


#62
4-Bromofluorobenzene
Concen: 50.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 95 Resp: 76190

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	135.8
176	65.7	0.0	131.4

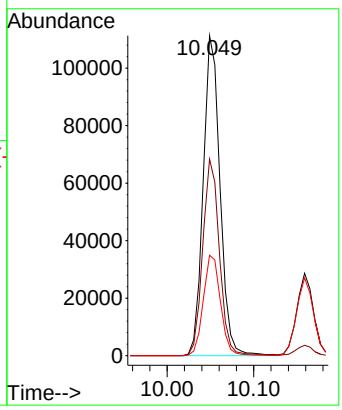




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:117 Resp: 15020

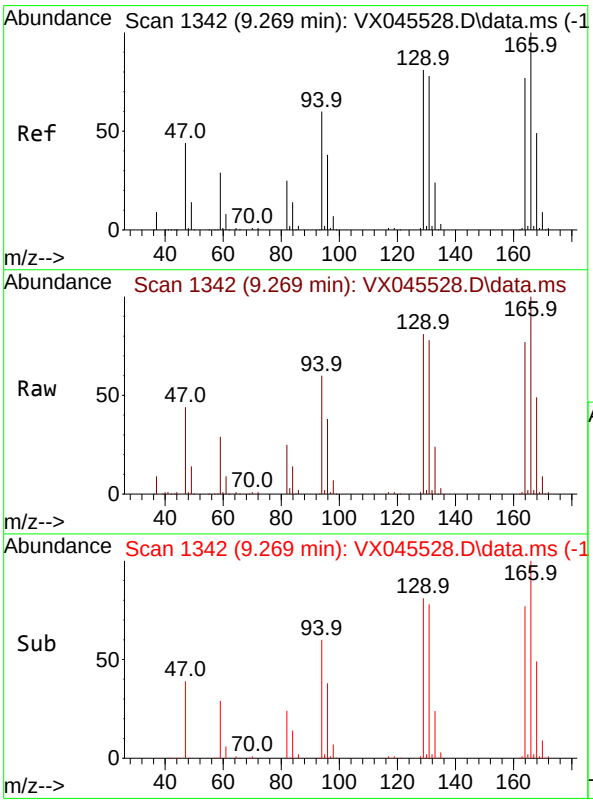
Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.2	73.8
119	31.4	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

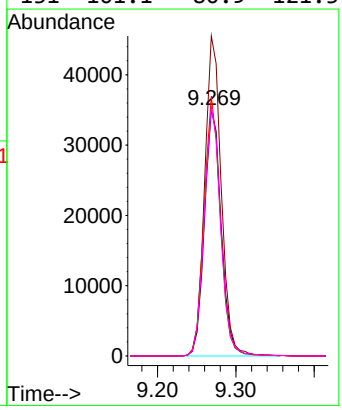
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

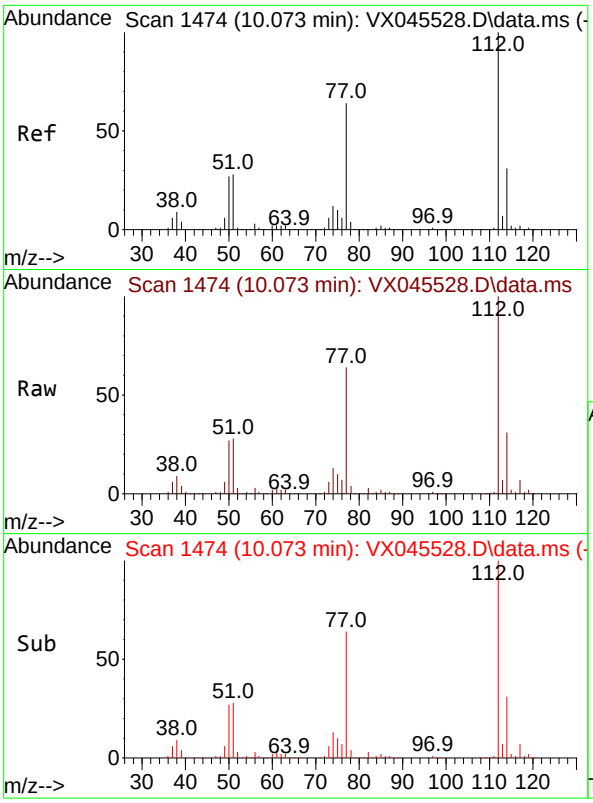


#64
Tetrachloroethene
Concen: 49.181 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:164 Resp: 52155

Ion	Ratio	Lower	Upper
164	100		
166	129.8	103.8	155.8
129	105.4	84.3	126.5
131	101.1	80.9	121.3

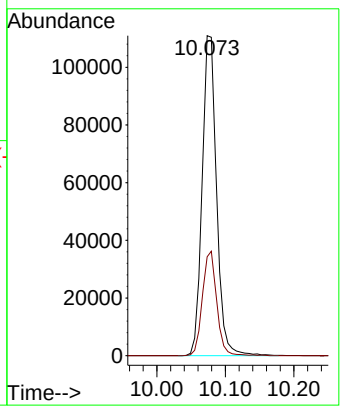




#65
Chlorobenzene
Concen: 50.733 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:112 Resp: 16282

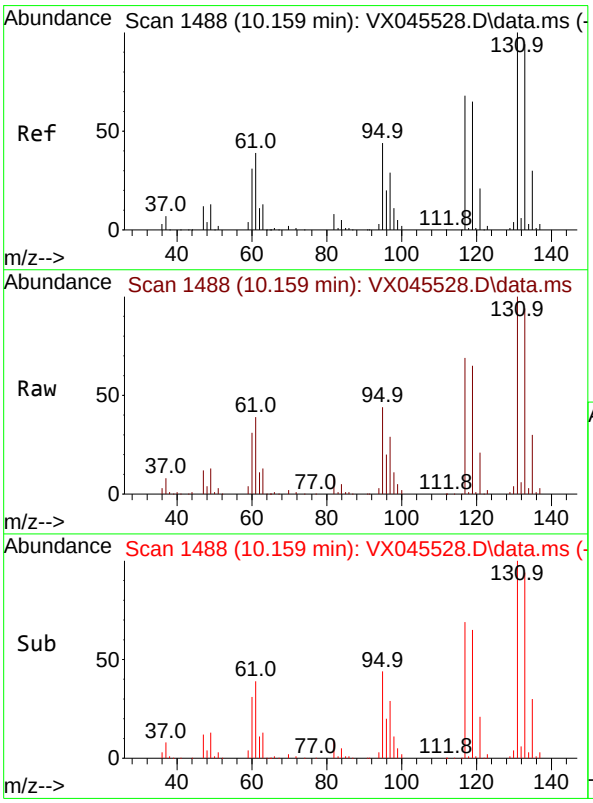
Ion	Ratio	Lower	Upper
112	100		
114	30.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

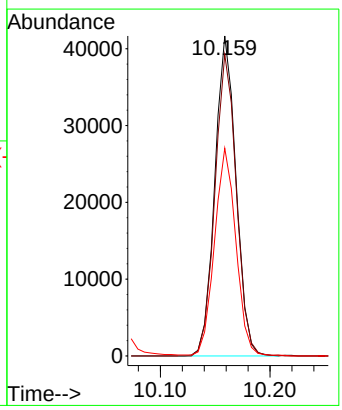
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

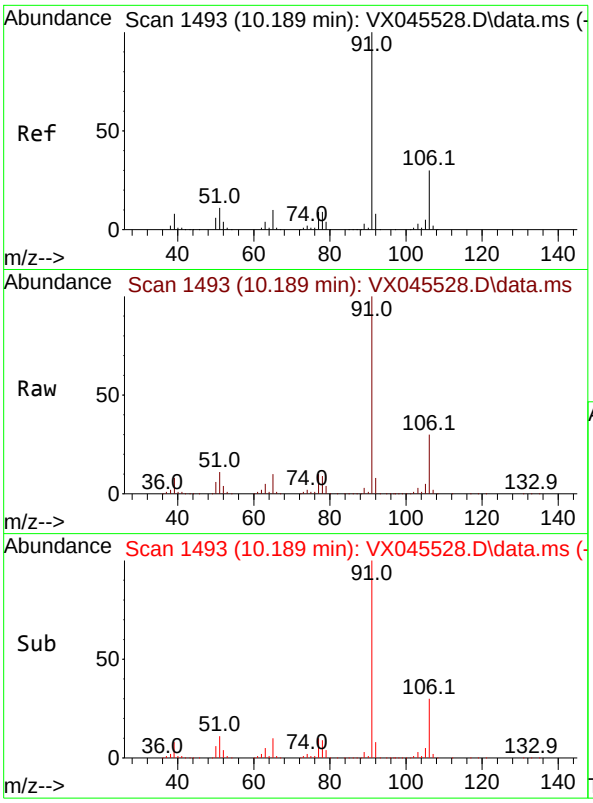


#66
1,1,1,2-Tetrachloroethane
Concen: 50.233 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:131 Resp: 55974

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.5	142.5
119	65.7	32.9	98.6

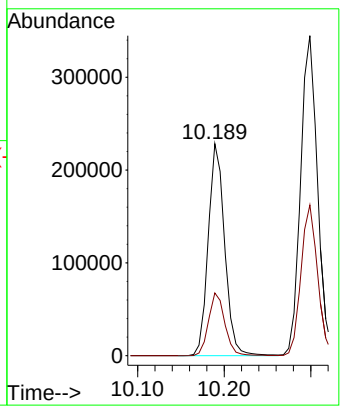




#67
Ethyl Benzene
Concen: 52.447 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 91 Resp: 30148

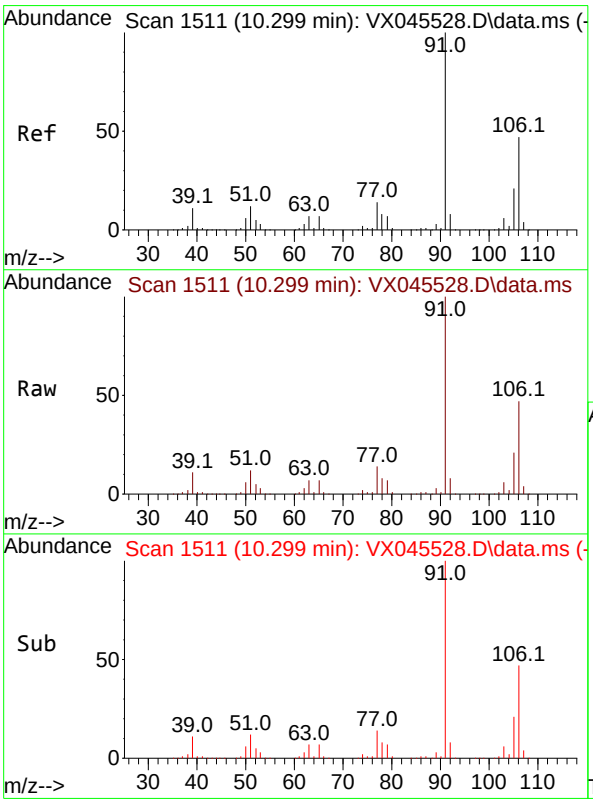
Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

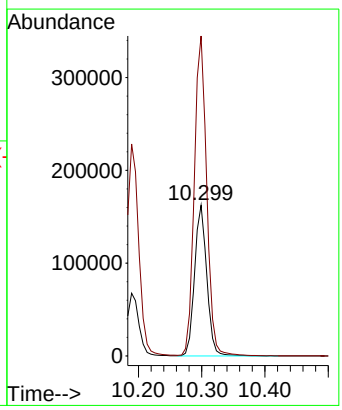
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

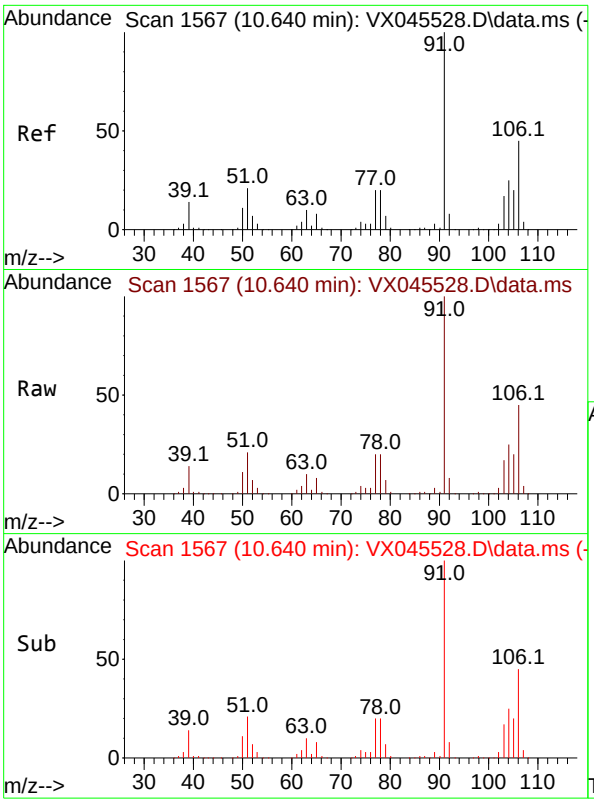


#68
m/p-Xylenes
Concen: 104.606 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:106 Resp: 218702

Ion	Ratio	Lower	Upper
106	100		
91	215.7	172.6	258.8

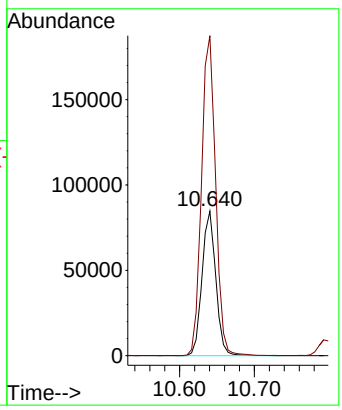




#69
o-Xylene
Concen: 52.452 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:106 Resp: 10802

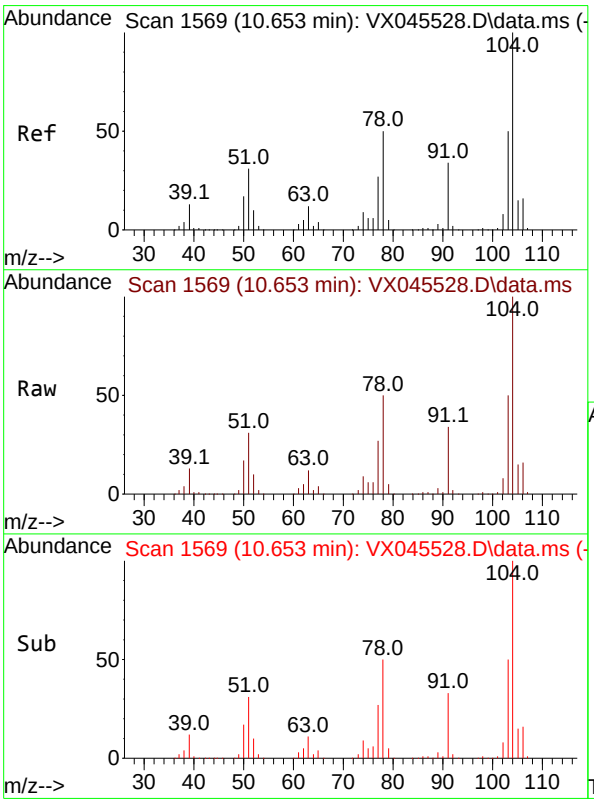
Ion	Ratio	Lower	Upper
106	100		
91	227.1	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

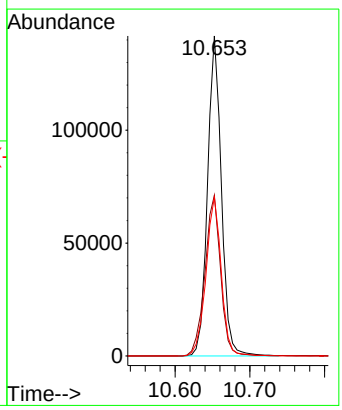
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

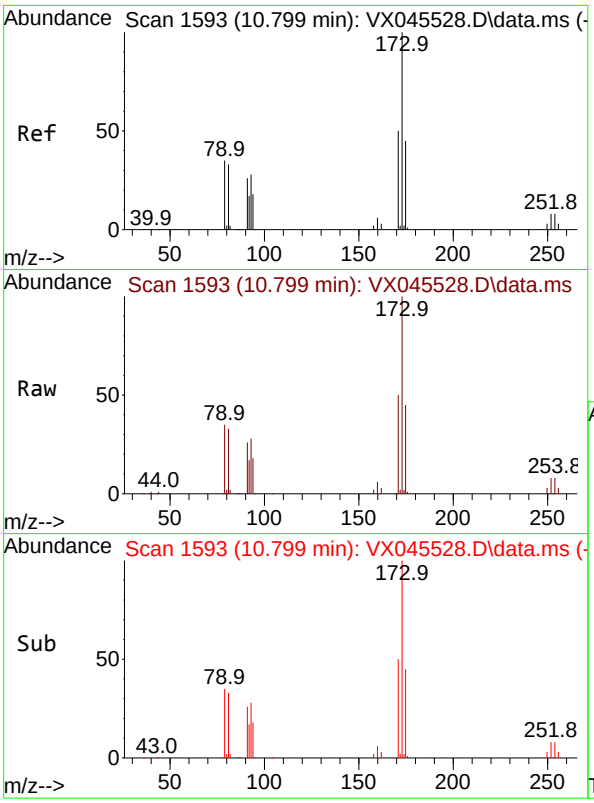


#70
Styrene
Concen: 53.723 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:104 Resp: 182620

Ion	Ratio	Lower	Upper
104	100		
78	56.8	45.4	68.2
103	54.8	43.8	65.8

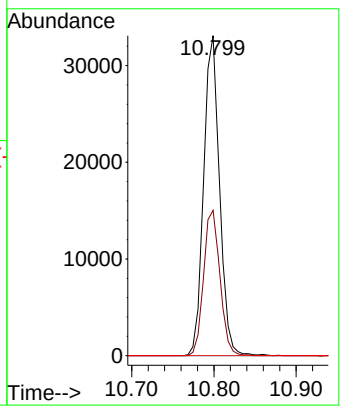




#71
Bromoform
Concen: 53.361 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:173 Resp: 4439

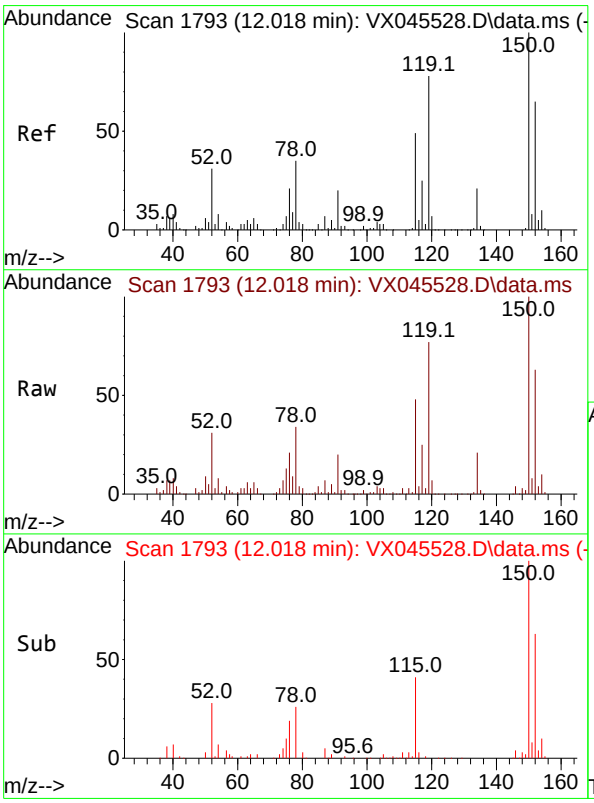
Ion	Ratio	Lower	Upper
173	100		
175	46.8	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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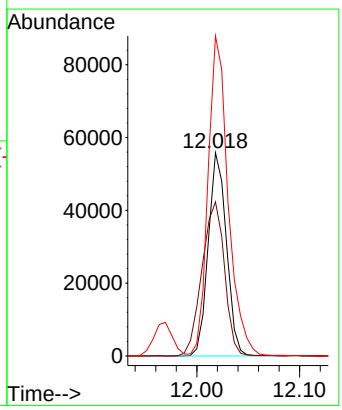
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

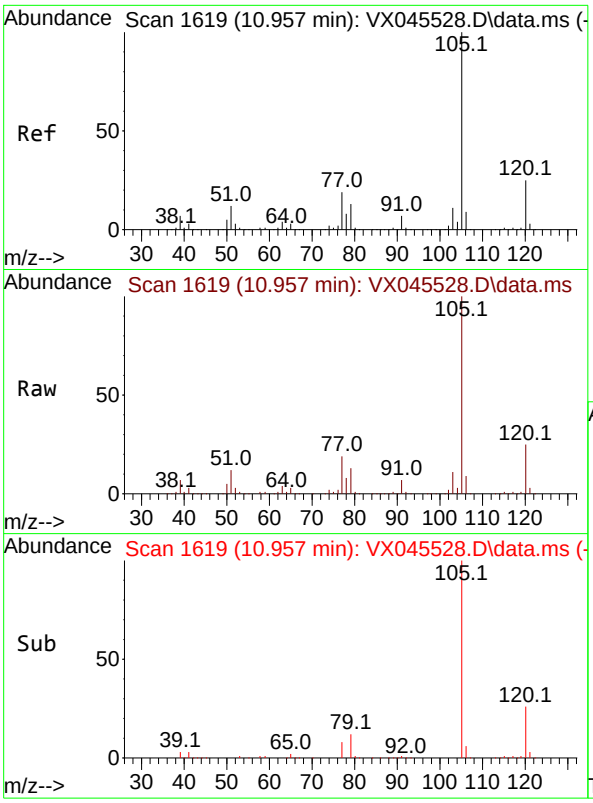


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:152 Resp: 68786

Ion	Ratio	Lower	Upper
152	100		
115	93.8	46.9	140.7
150	174.7	0.0	349.4





#73
Isopropylbenzene
Concen: 52.203 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

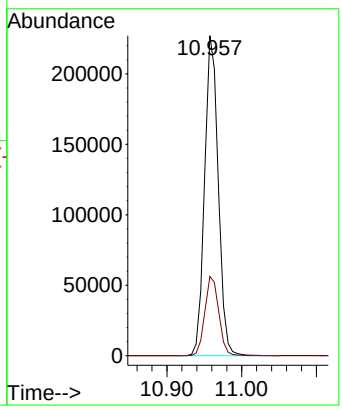
Tgt Ion:105 Resp: 28762

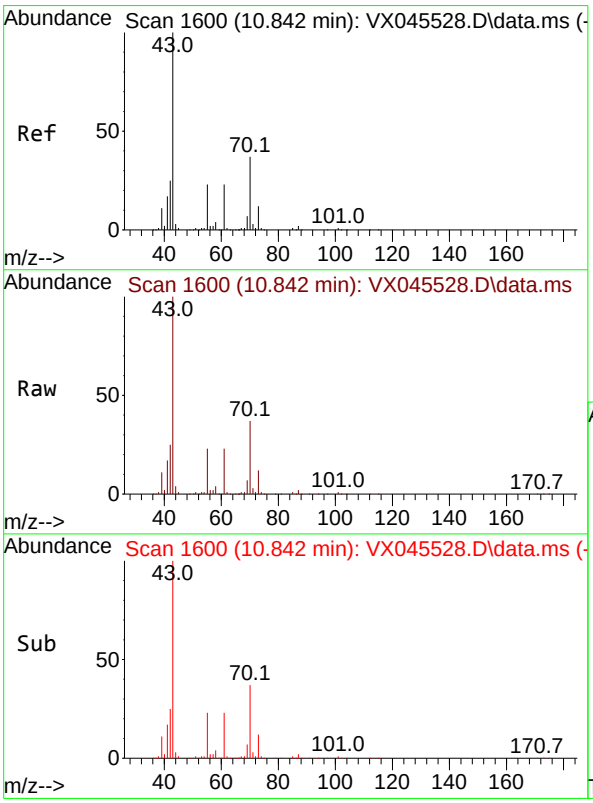
Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

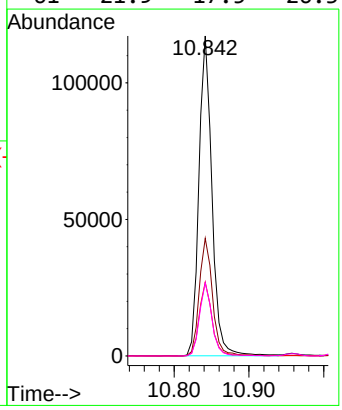


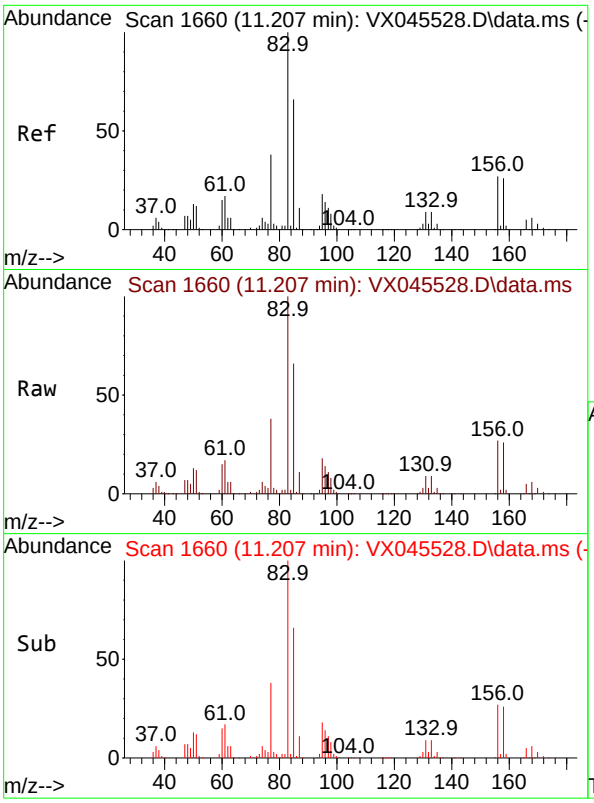


#74
N-amyl acetate
Concen: 53.721 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 141589

Ion	Ratio	Lower	Upper
43	100		
70	37.6	30.1	45.1
55	22.9	18.3	27.5
61	21.9	17.5	26.3

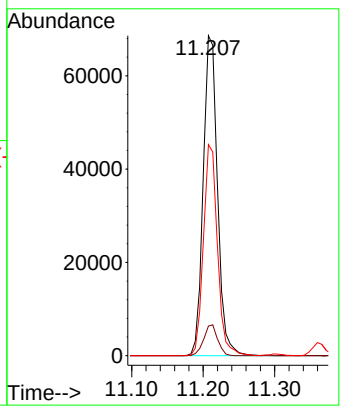




#75
1,1,2,2-Tetrachloroethane
Concen: 49.185 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 83 Resp: 9520

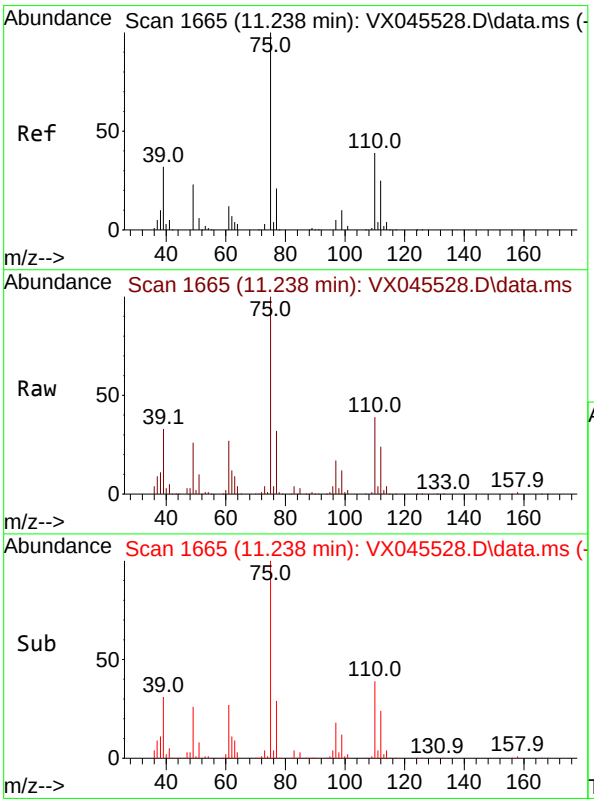
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.1
85	64.8	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

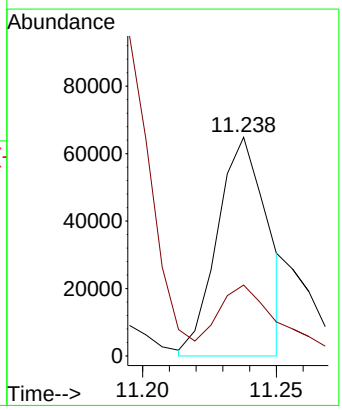
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

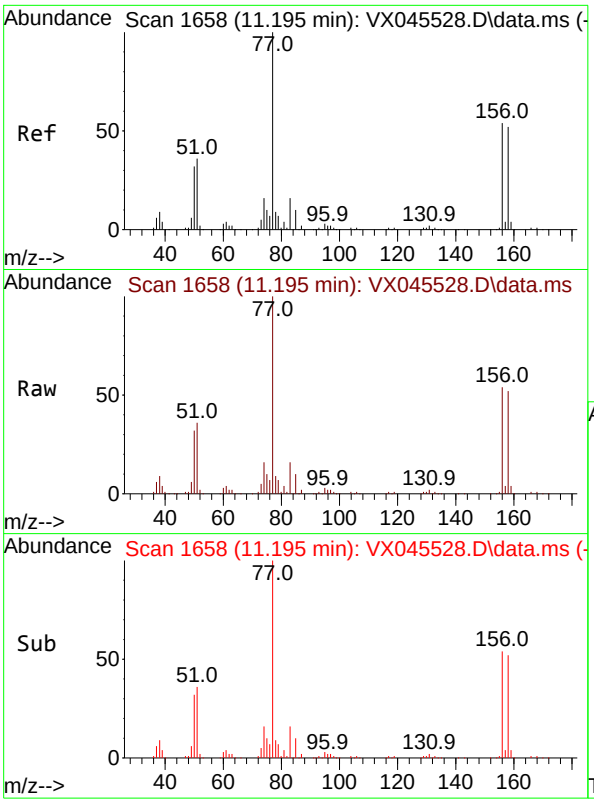


#76
1,2,3-Trichloropropane
Concen: 50.230 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 84279

Ion	Ratio	Lower	Upper
75	100		
77	39.9	20.0	59.9

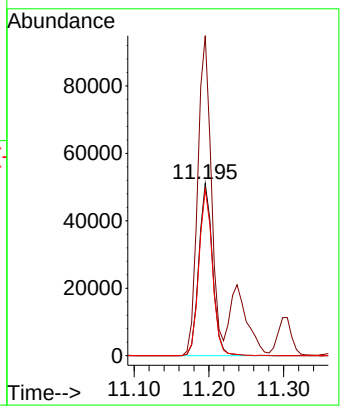




#77
Bromobenzene
Concen: 50.686 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:156 Resp: 6452

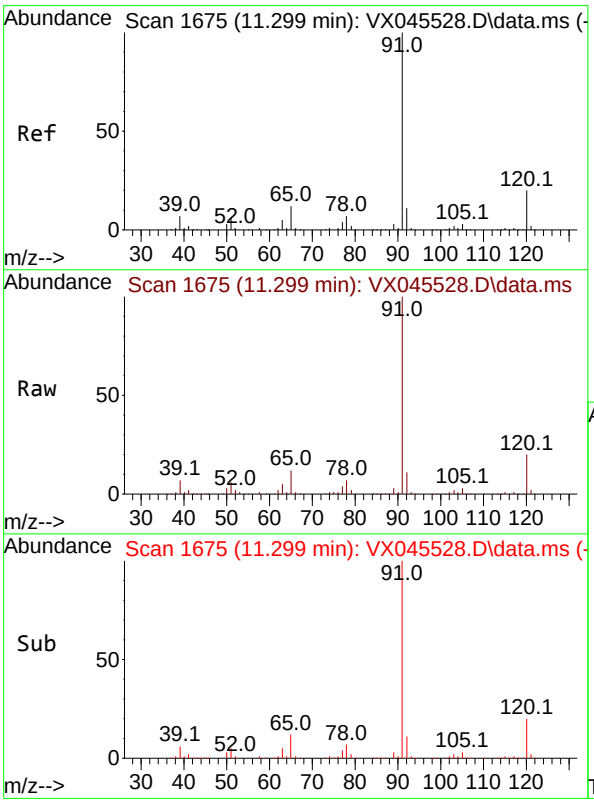
Ion	Ratio	Lower	Upper
156	100		
77	185.2	92.6	277.8
158	96.3	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

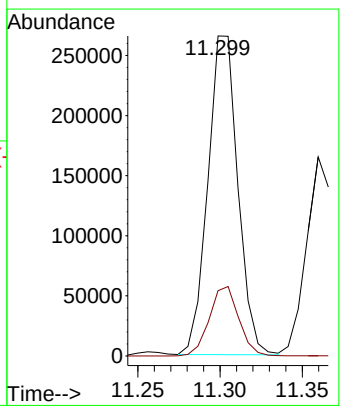
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

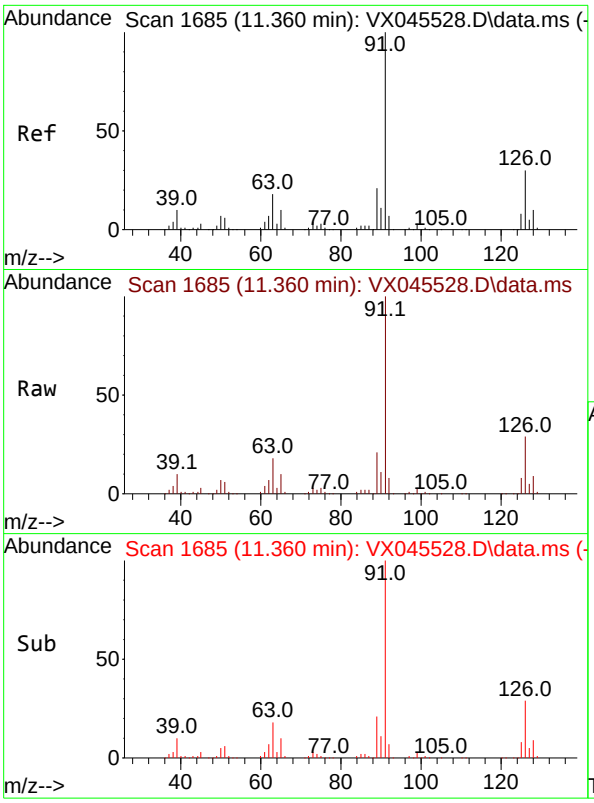


#78
n-propylbenzene
Concen: 53.069 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 91 Resp: 336796

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





#79
2-Chlorotoluene
Concen: 50.279 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

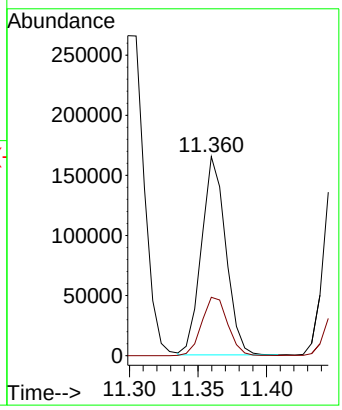
Tgt Ion: 91 Resp: 20399

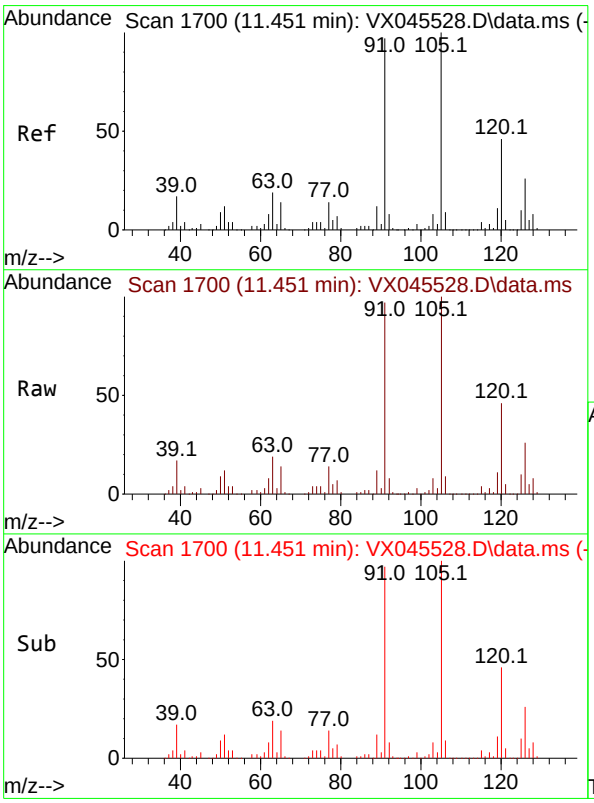
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

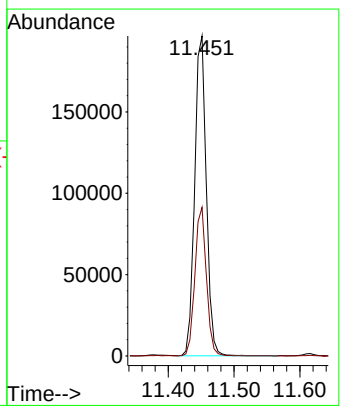


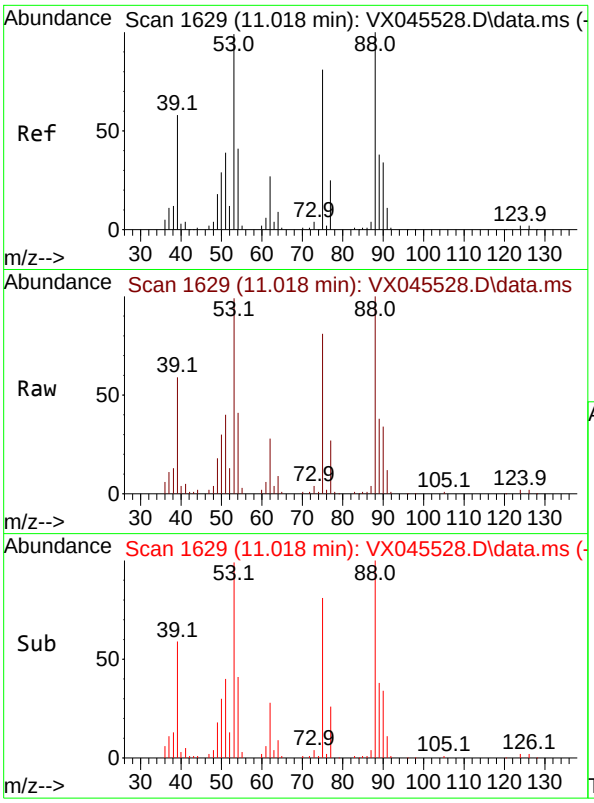


#80
1,3,5-Trimethylbenzene
Concen: 53.013 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:105 Resp: 241536

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0

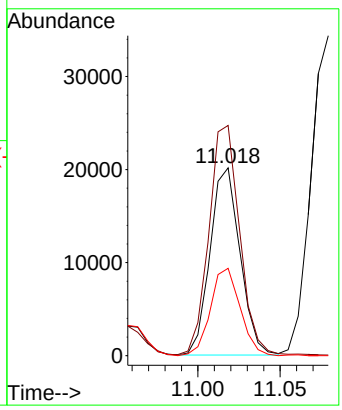




#81
trans-1,4-Dichloro-2-butene
Concen: 51.556 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 2548

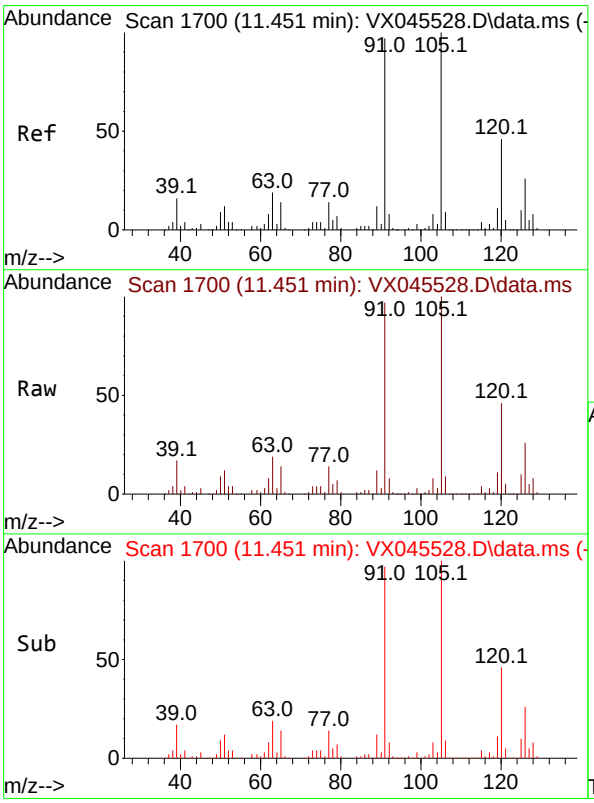
Ion	Ratio	Lower	Upper
75	100		
53	127.2	101.8	152.6
89	46.5	37.2	55.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

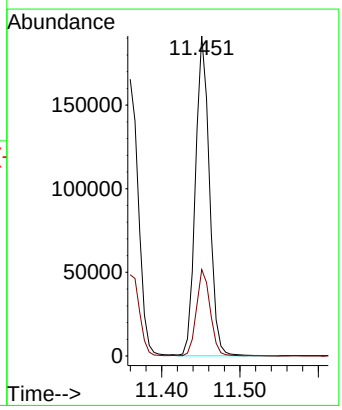
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

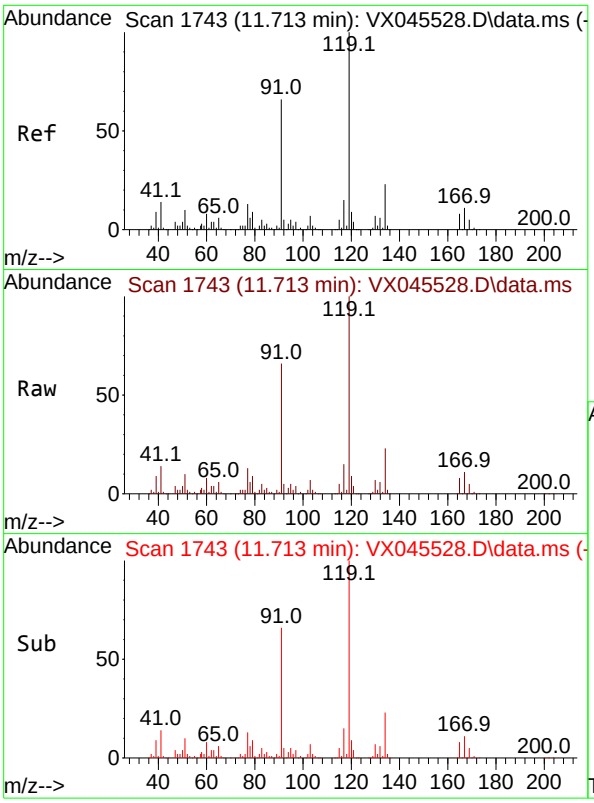


#82
4-Chlorotoluene
Concen: 52.439 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 91 Resp: 237213

Ion	Ratio	Lower	Upper
91	100		
126	26.6	13.3	39.9

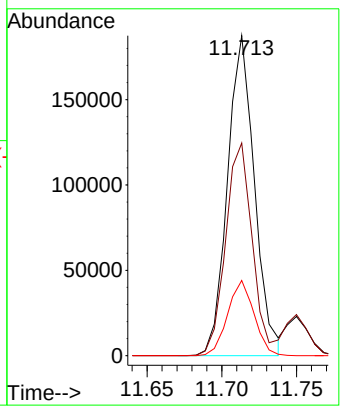




#83
tert-Butylbenzene
Concen: 52.256 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:119 Resp: 23571

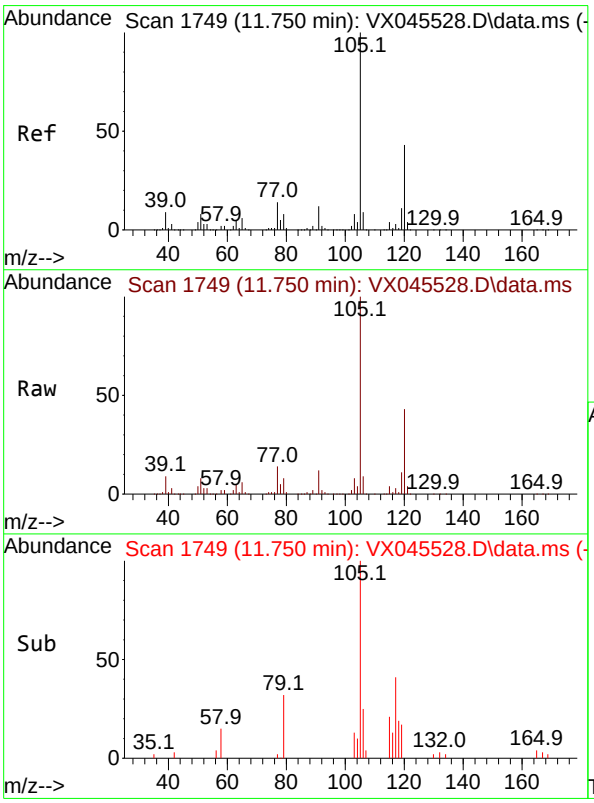
Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.4	97.2
134	23.0	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

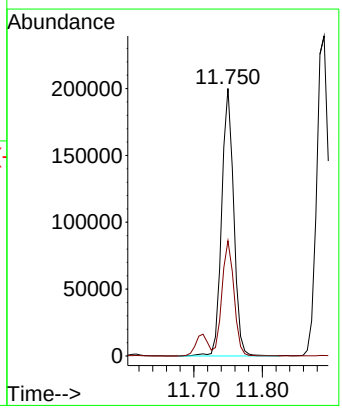
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

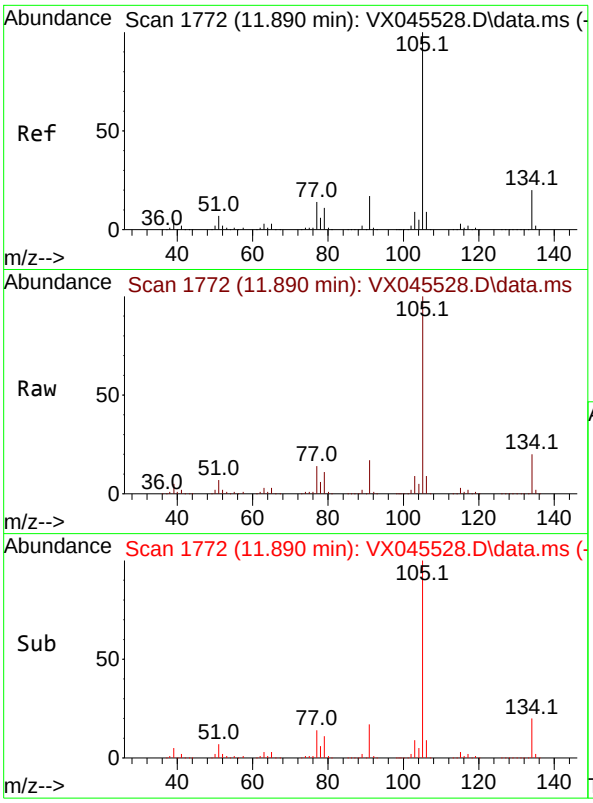


#84
1,2,4-Trimethylbenzene
Concen: 52.986 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:105 Resp: 242301

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.4	64.3

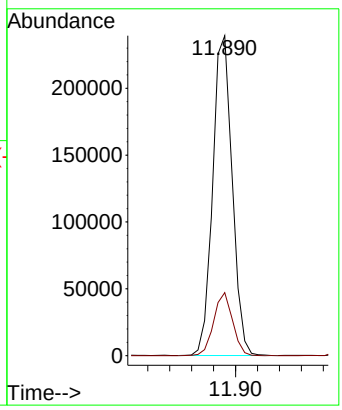




#85
sec-Butylbenzene
Concen: 53.391 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:105 Resp: 29579

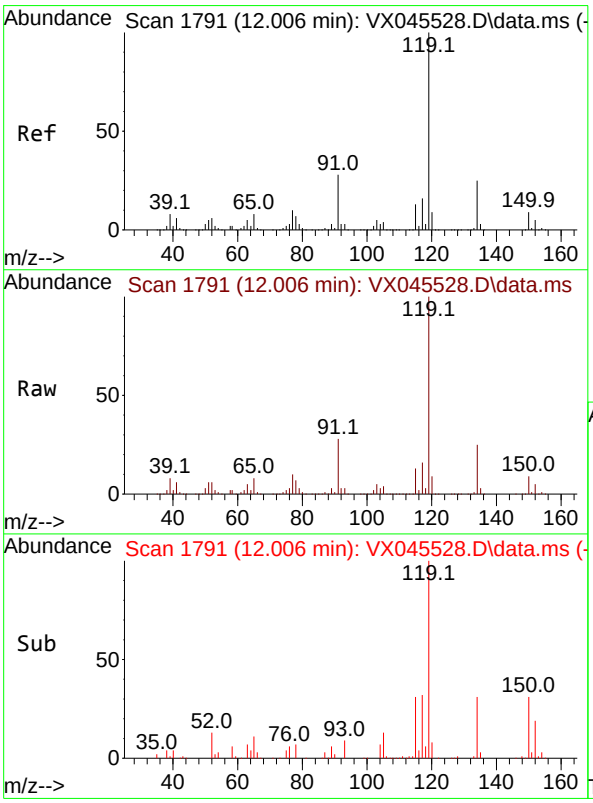
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

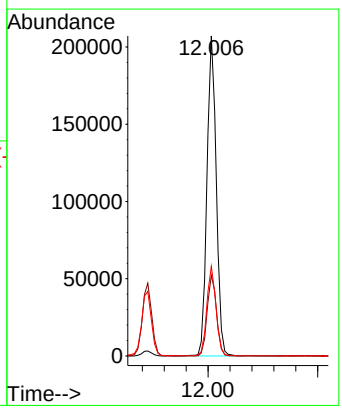
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

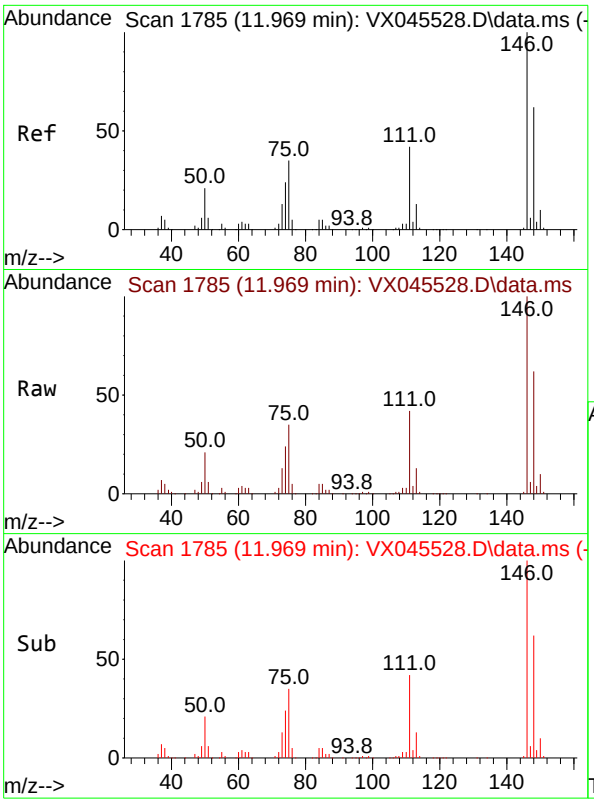


#86
p-Isopropyltoluene
Concen: 53.073 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:119 Resp: 242416

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	27.4	13.7	41.1

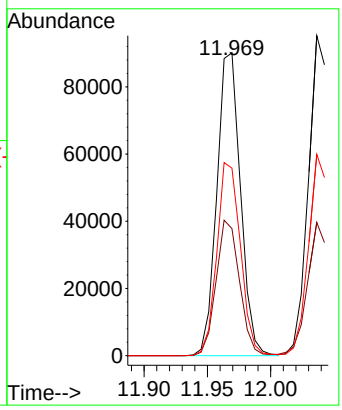




#87
1,3-Dichlorobenzene
Concen: 50.441 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:146 Resp: 11689

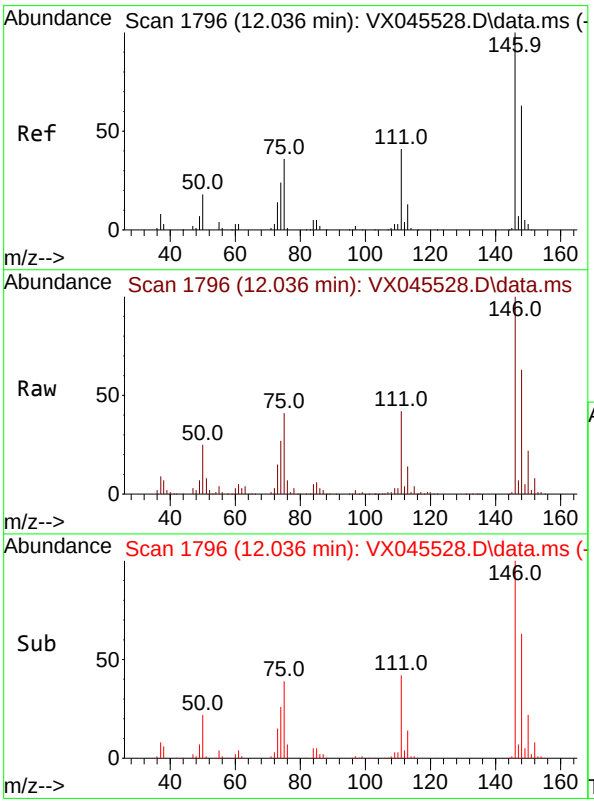
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

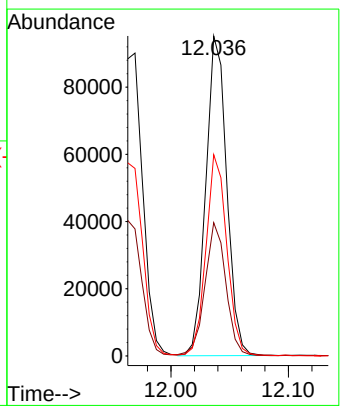
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

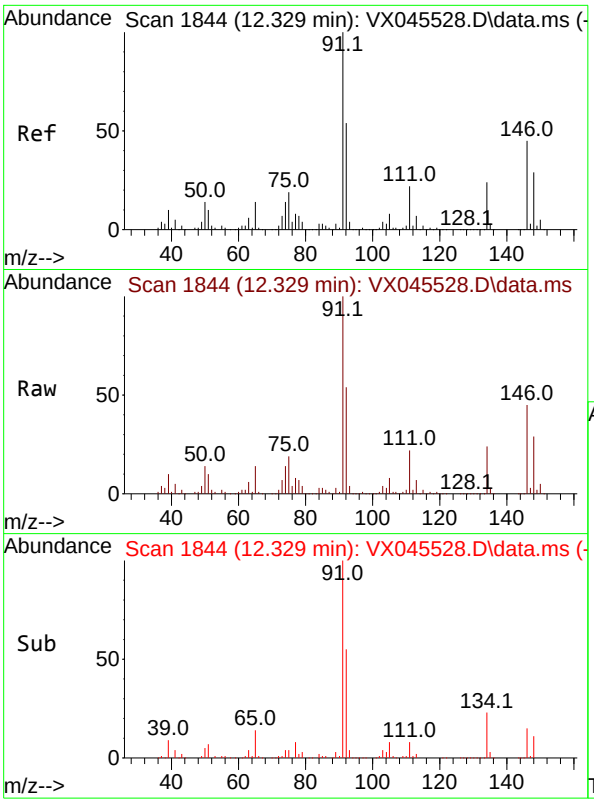


#88
1,4-Dichlorobenzene
Concen: 49.871 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:146 Resp: 117164

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	63.0	31.5	94.5

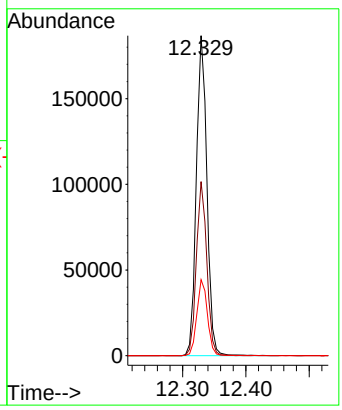




#89
n-Butylbenzene
Concen: 54.874 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 91 Resp: 21734

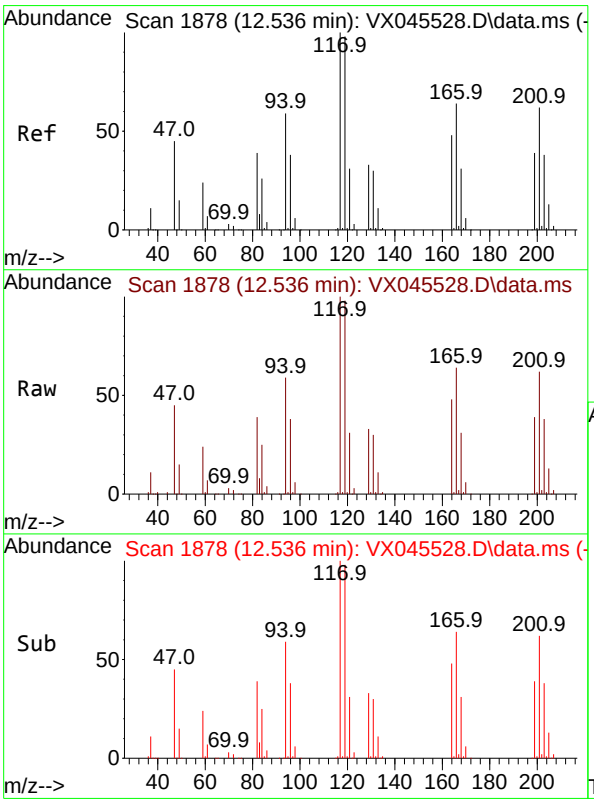
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.6
134	23.8	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

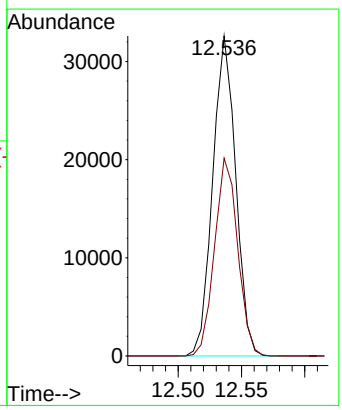
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

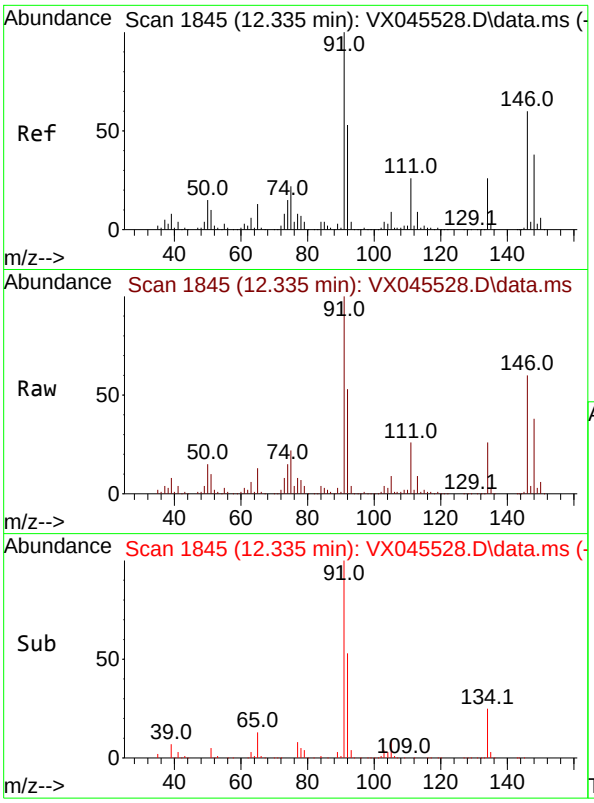


#90
Hexachloroethane
Concen: 52.352 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:117 Resp: 41095

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.2	93.6

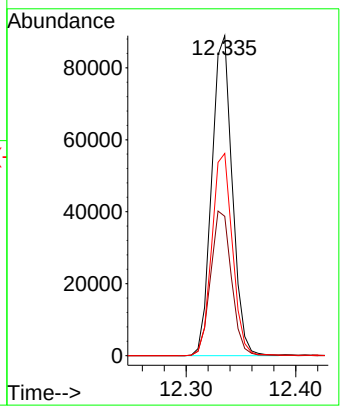




#91
1,2-Dichlorobenzene
Concen: 50.099 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:146 Resp: 11542

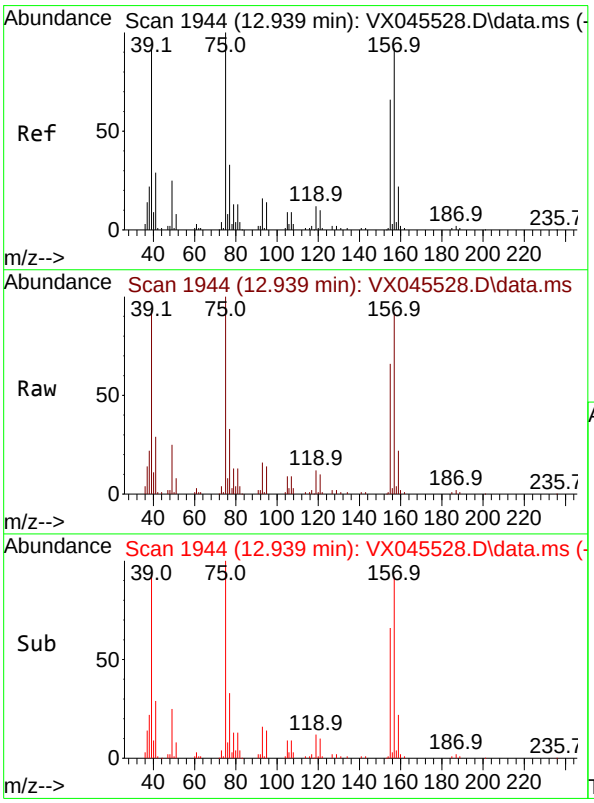
Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.8
148	63.7	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

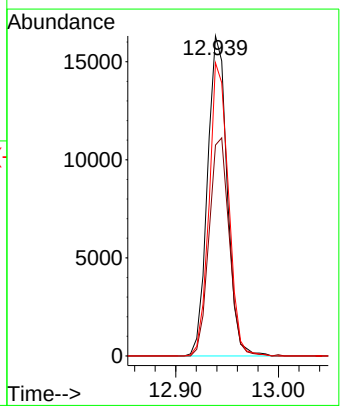
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

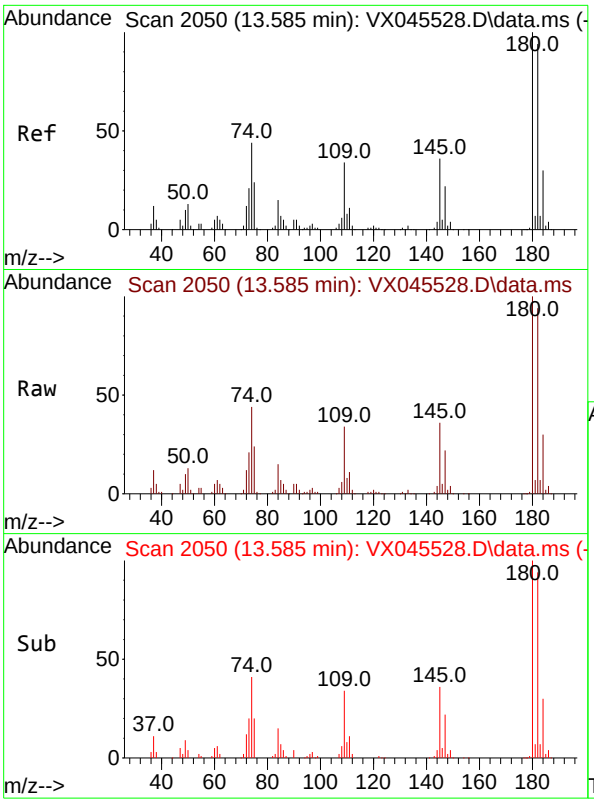


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.638 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 21712

Ion	Ratio	Lower	Upper
75	100		
155	69.8	34.9	104.7
157	89.8	44.9	134.7

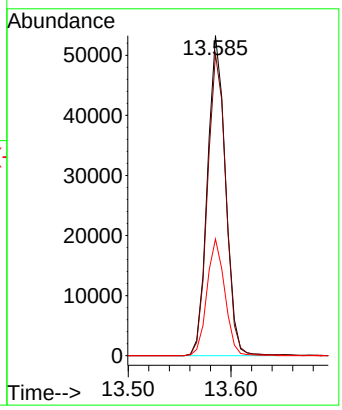




#93
1,2,4-Trichlorobenzene
Concen: 50.797 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:180 Resp: 6514

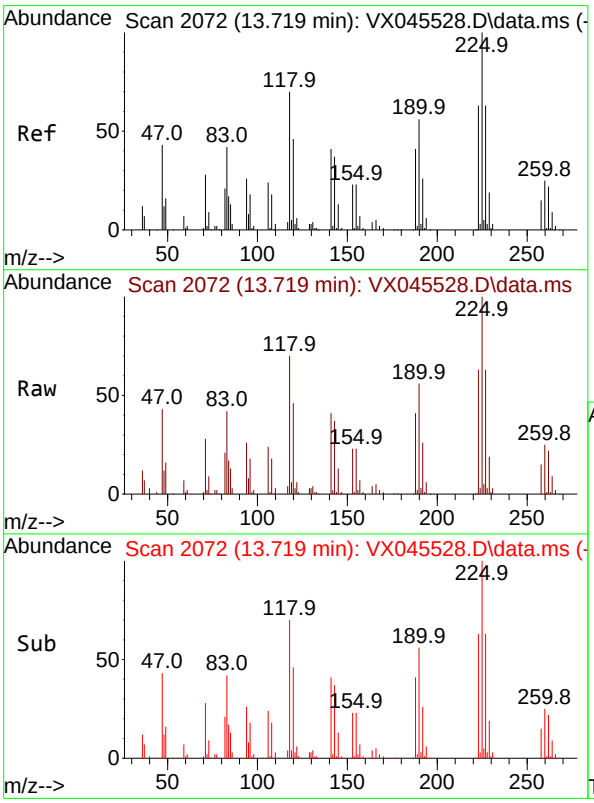
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	35.9	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

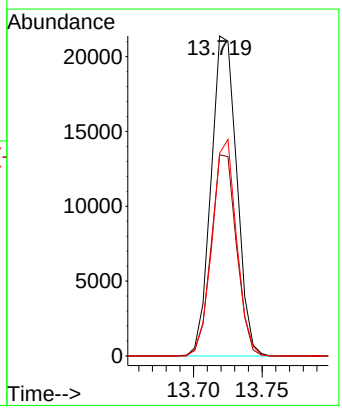
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

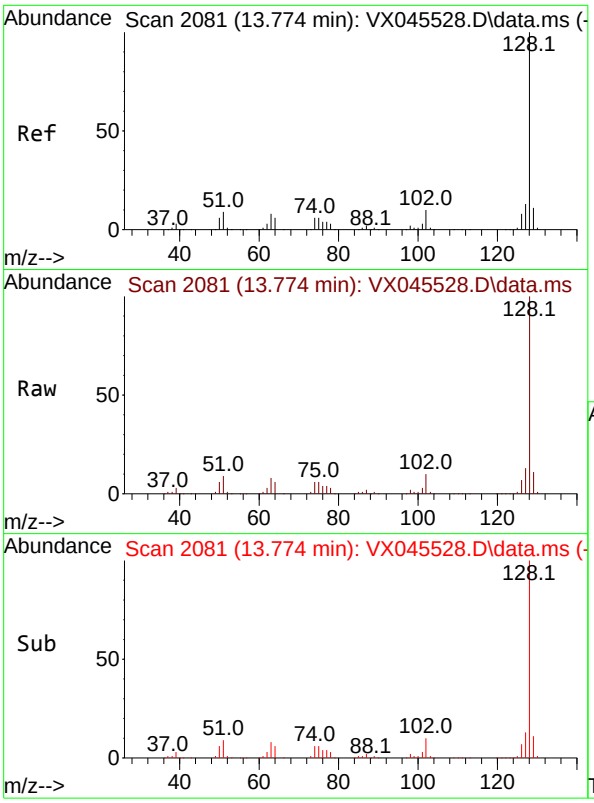


#94
Hexachlorobutadiene
Concen: 50.296 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:225 Resp: 27795

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.3
227	64.4	32.2	96.6

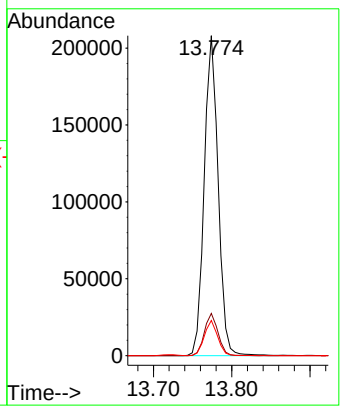




#95
Naphthalene
Concen: 53.643 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:128 Resp: 25600

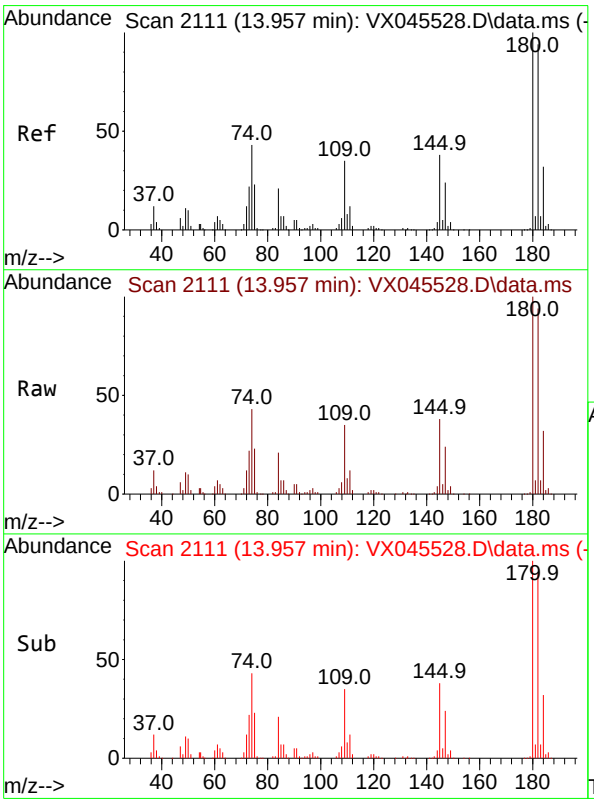
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

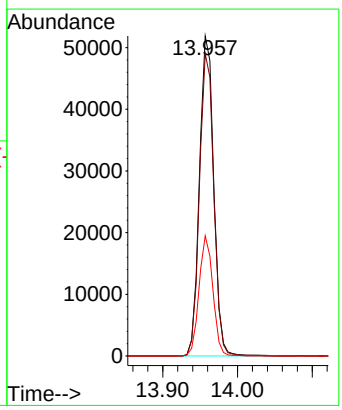
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.219 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:180 Resp: 68781

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	36.4	18.2	54.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045529.D
Acq On : 01 Apr 2025 18:38
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	86107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	155757	98.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 197.820%#			
35) Dibromofluoromethane	5.379	113	107908	99.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 199.160%#			
50) Toluene-d8	8.647	98	375599	99.309	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 198.620%#			
62) 4-Bromofluorobenzene	11.079	95	146944	106.664	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 213.320%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	144108	111.909	ug/l	99
3) Chloromethane	1.307	50	140360	106.098	ug/l	100
4) Vinyl Chloride	1.374	62	127174	105.042	ug/l	99
5) Bromomethane	1.593	94	58706	102.266	ug/l	98
6) Chloroethane	1.660	64	61099	95.120	ug/l	98
7) Trichlorofluoromethane	1.867	101	187555	103.887	ug/l	98
8) Diethyl Ether	2.136	74	61683	101.767	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	106989	101.133	ug/l	97
10) Methyl Iodide	2.441	142	135732	102.863	ug/l	100
11) Tert butyl alcohol	2.989	59	110044	519.999	ug/l	99
12) 1,1-Dichloroethene	2.306	96	106404	102.934	ug/l	99
13) Acrolein	2.233	56	146268	501.914	ug/l	99
14) Allyl chloride	2.654	41	206484	105.276	ug/l	99
15) Acrylonitrile	3.062	53	338970	507.426	ug/l	99
16) Acetone	2.386	43	314285	486.054	ug/l	100
17) Carbon Disulfide	2.502	76	276285	108.215	ug/l	100
18) Methyl Acetate	2.703	43	147272	98.925	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	381719	105.561	ug/l	99
20) Methylene Chloride	2.782	84	121435	100.316	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	106896	101.220	ug/l	98
22) Diisopropyl ether	3.757	45	406185	105.132	ug/l	95
23) Vinyl Acetate	3.721	43	1848817	553.853	ug/l	99
24) 1,1-Dichloroethane	3.605	63	220934	101.114	ug/l	100
25) 2-Butanone	4.556	43	491249	519.018	ug/l	100
26) 2,2-Dichloropropane	4.465	77	155592	110.215	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	129785	100.871	ug/l	98
28) Bromochloromethane	4.891	49	105093	99.530	ug/l	100
29) Tetrahydrofuran	5.001	42	313121	510.264	ug/l	99
30) Chloroform	5.086	83	225402	100.255	ug/l	99
31) Cyclohexane	5.458	56	197136	102.056	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	198511	104.346	ug/l	99
36) 1,1-Dichloropropene	5.684	75	151448	103.515	ug/l	99
37) Ethyl Acetate	4.715	43	192130	104.207	ug/l	99
38) Carbon Tetrachloride	5.672	117	166465	105.278	ug/l	99
39) Methylcyclohexane	7.373	83	191752	106.921	ug/l	99
40) Benzene	6.031	78	452946	101.369	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045529.D
Acq On : 01 Apr 2025 18:38
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	107037	109.068 ug/l		99
42) 1,2-Dichloroethane	6.080	62	189528	102.696 ug/l		100
43) Isopropyl Acetate	6.336	43	305974	109.494 ug/l		100
44) Trichloroethene	7.123	130	107332	101.062 ug/l		97
45) 1,2-Dichloropropane	7.421	63	115731	103.806 ug/l		98
46) Dibromomethane	7.574	93	87381	102.101 ug/l		97
47) Bromodichloromethane	7.818	83	179265	104.886 ug/l		98
48) Methyl methacrylate	7.690	41	158241	109.675 ug/l		99
49) 1,4-Dioxane	7.665	88	52624	2015.906 ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	988881	533.814 ug/l		99
52) Toluene	8.714	92	276323	102.199 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	169413	100.645 ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	182328	113.521 ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	109208	101.361 ug/l		98
56) Ethyl methacrylate	9.116	69	192034	115.168 ug/l		99
57) 1,3-Dichloropropane	9.305	76	192473	102.588 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	460297	545.696 ug/l		100
59) 2-Hexanone	9.427	43	738772	538.538 ug/l		99
60) Dibromochloromethane	9.519	129	128700	109.570 ug/l		98
61) 1,2-Dibromoethane	9.604	107	115919	106.282 ug/l		99
64) Tetrachloroethene	9.269	164	90817	94.325 ug/l		99
65) Chlorobenzene	10.073	112	296300	101.682 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	103437	102.243 ug/l		99
67) Ethyl Benzene	10.189	91	543568	104.152 ug/l		99
68) m/p-Xylenes	10.299	106	394241	207.694 ug/l		100
69) o-Xylene	10.640	106	195381	104.487 ug/l		99
70) Styrene	10.653	104	335333	108.654 ug/l		100
71) Bromoform	10.799	173	83632	110.714 ug/l	#	97
73) Isopropylbenzene	10.957	105	522436	100.944 ug/l		100
74) N-amyl acetate	10.842	43	275462	111.267 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	174977	96.243 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	154048m	97.744 ug/l		
77) Bromobenzene	11.195	156	119561	99.983 ug/l		99
78) n-propylbenzene	11.299	91	622679	104.454 ug/l		100
79) 2-Chlorotoluene	11.360	91	376682	98.840 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	435137	101.675 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	51873	111.704 ug/l		95
82) 4-Chlorotoluene	11.451	91	432884	101.877 ug/l		99
83) tert-Butylbenzene	11.713	119	437649	103.292 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	444211	103.414 ug/l		99
85) sec-Butylbenzene	11.890	105	546857	105.082 ug/l		100
86) p-Isopropyltoluene	12.006	119	453109	105.609 ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	221481	101.749 ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	216367	98.047 ug/l		98
89) n-Butylbenzene	12.329	91	420694	113.075 ug/l		99
90) Hexachloroethane	12.536	117	80489	109.160 ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	215157	99.419 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43047	113.214 ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	135046	112.106 ug/l		99
94) Hexachlorobutadiene	13.725	225	53636	103.326 ug/l		98
95) Naphthalene	13.774	128	499719	111.473 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	137328	108.869 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045529.D
Acq On : 01 Apr 2025 18:38
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

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

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

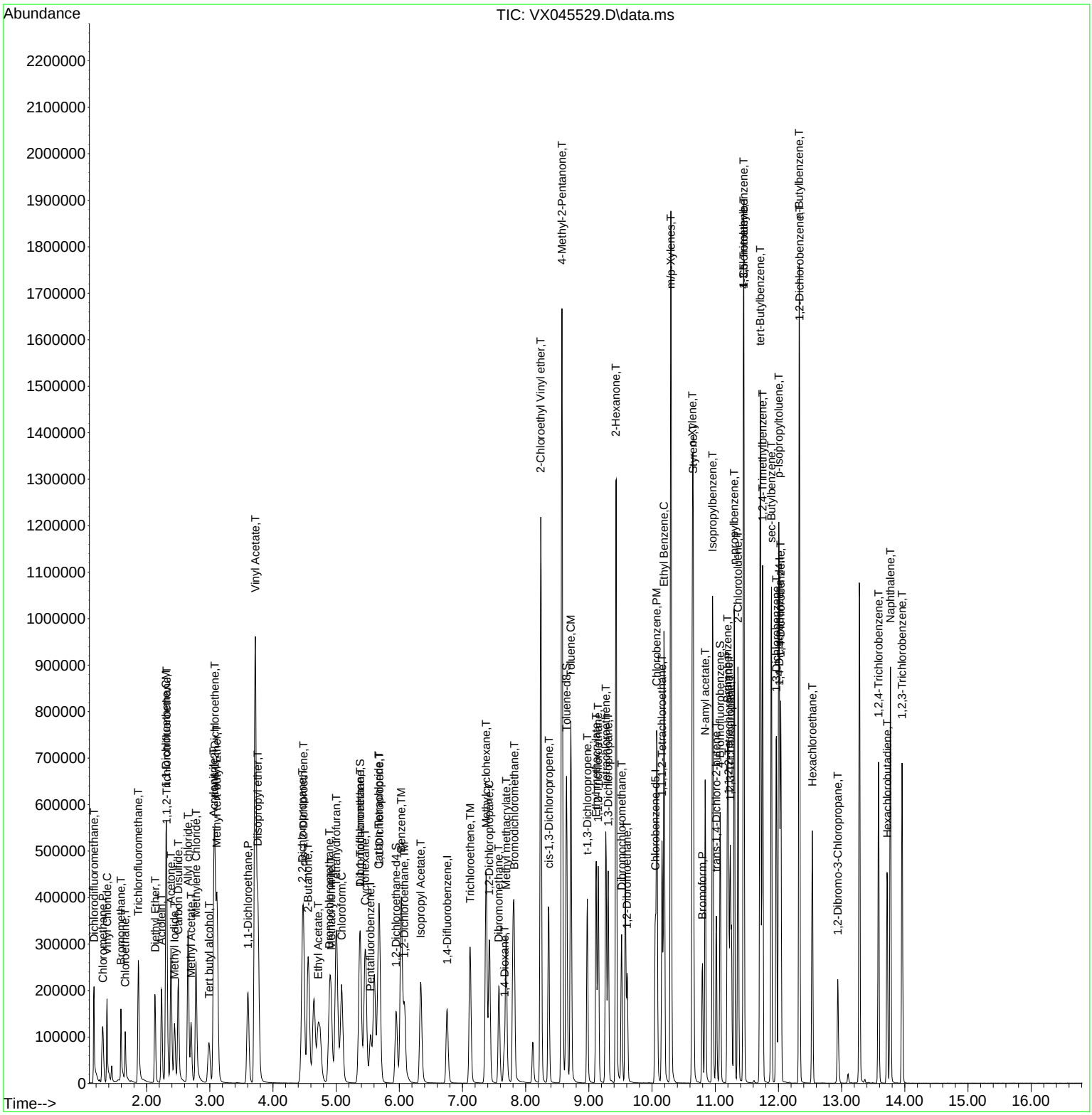
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045529.D
Acq On : 01 Apr 2025 18:38
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

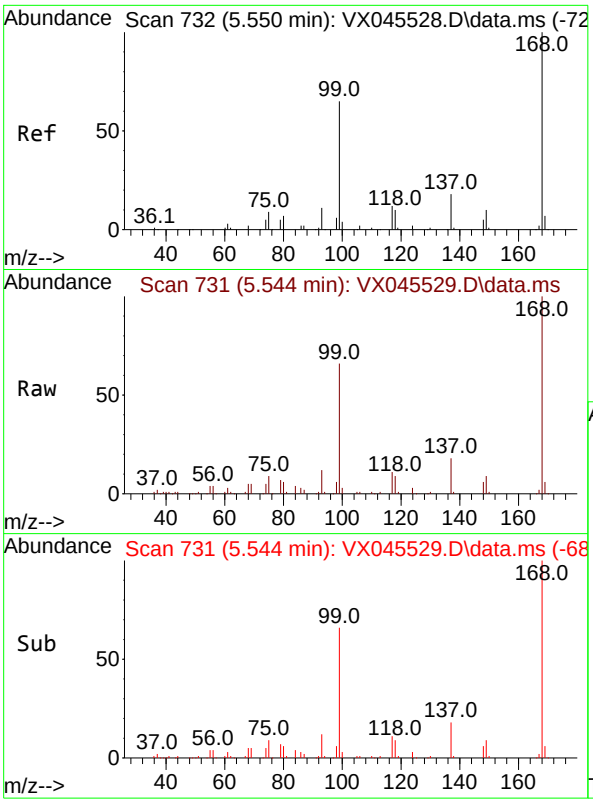
Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

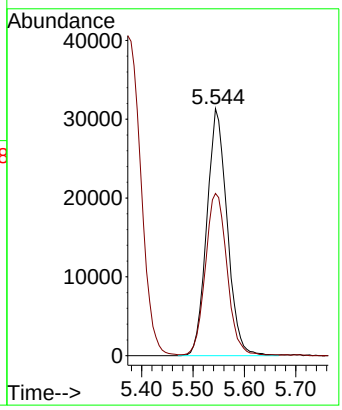




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:168 Resp: 8610

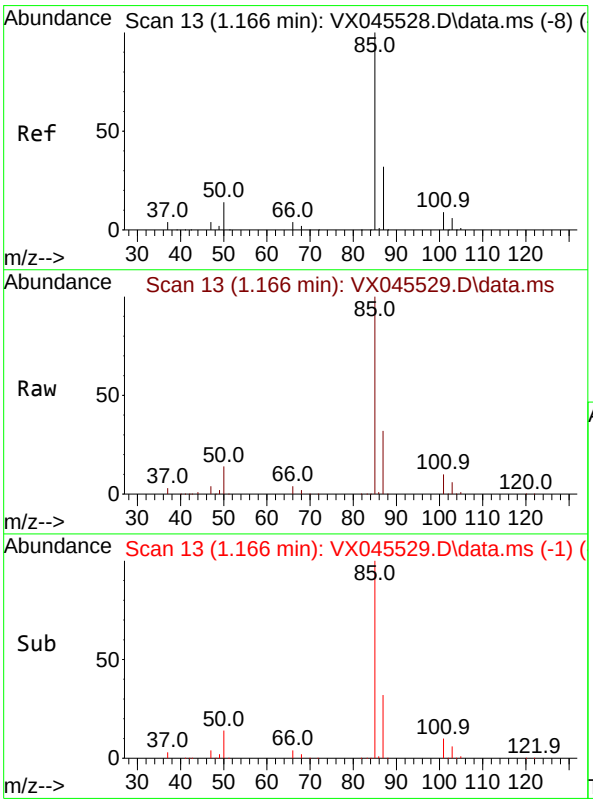
Ion	Ratio	Lower	Upper
168	100		
99	65.3	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

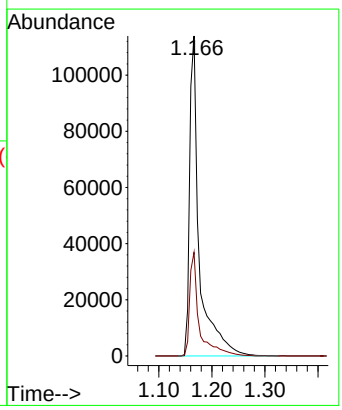
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

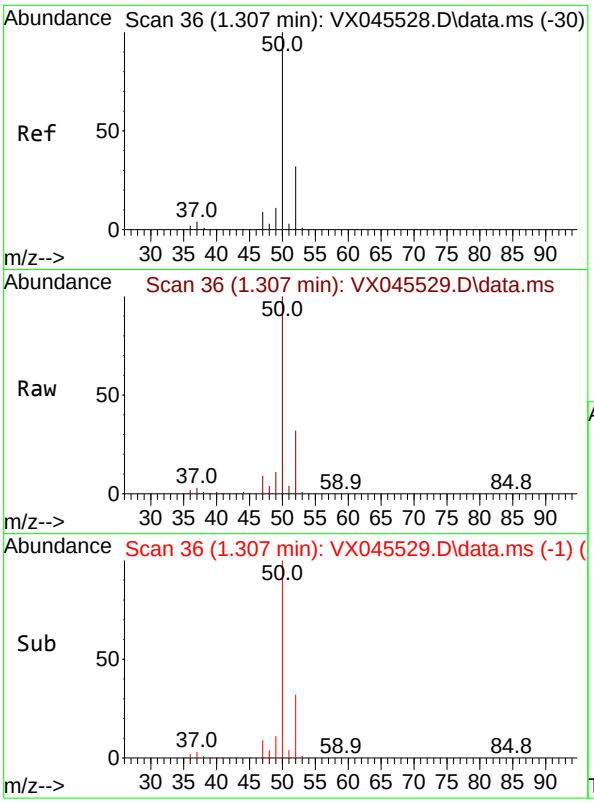


#2
Dichlorodifluoromethane
Concen: 111.909 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 85 Resp: 144108

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.1	48.2

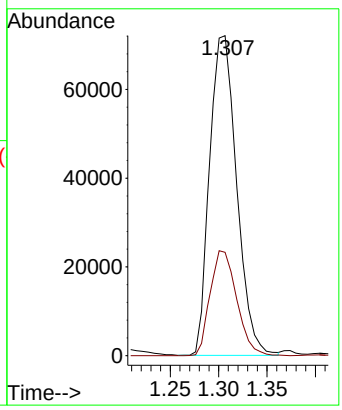




#3
Chloromethane
Concen: 106.098 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 50 Resp: 14036

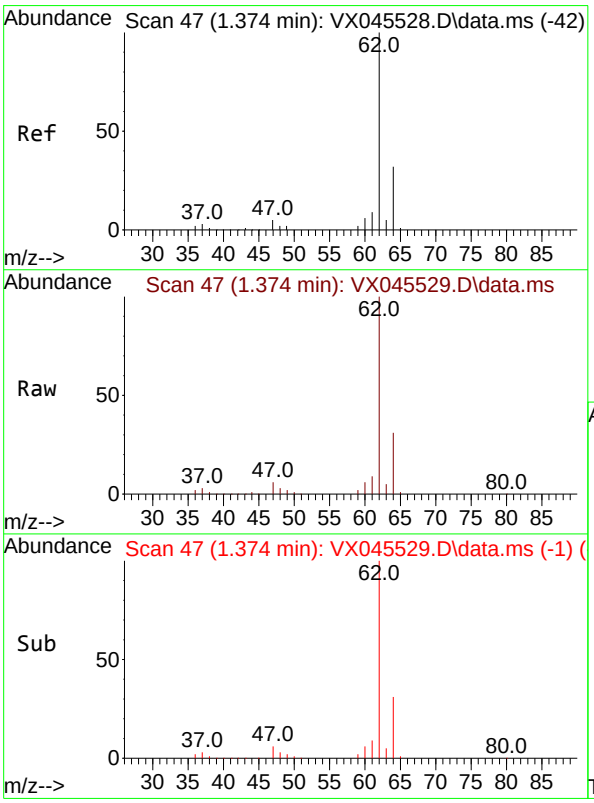
Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

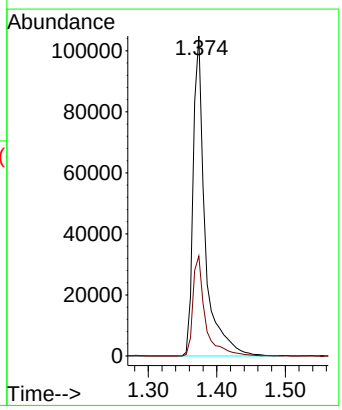
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

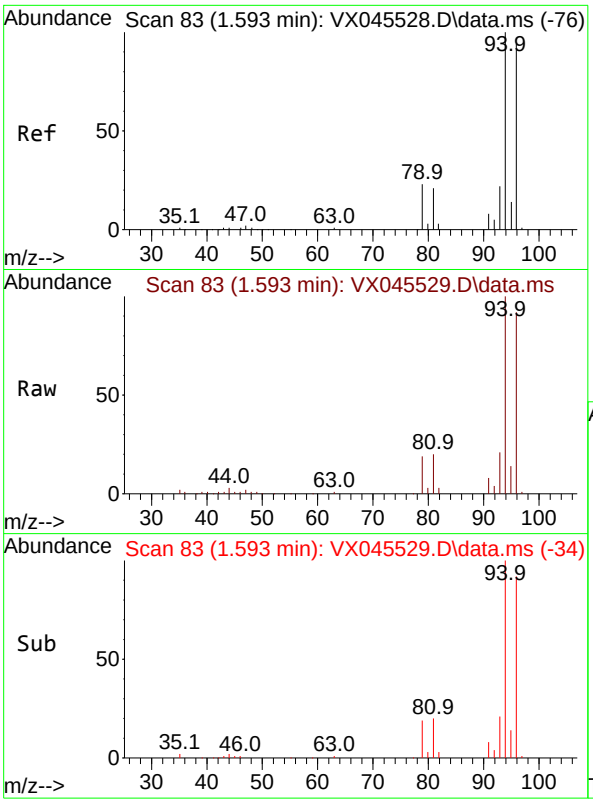


#4
Vinyl Chloride
Concen: 105.042 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 62 Resp: 127174

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.5	38.3

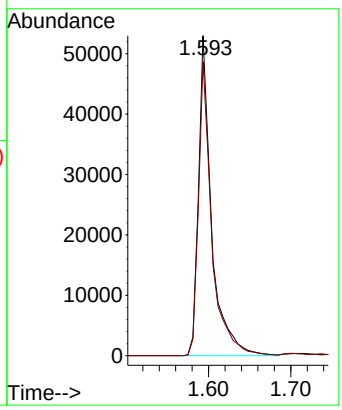




#5
Bromomethane
Concen: 102.266 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 94 Resp: 5870

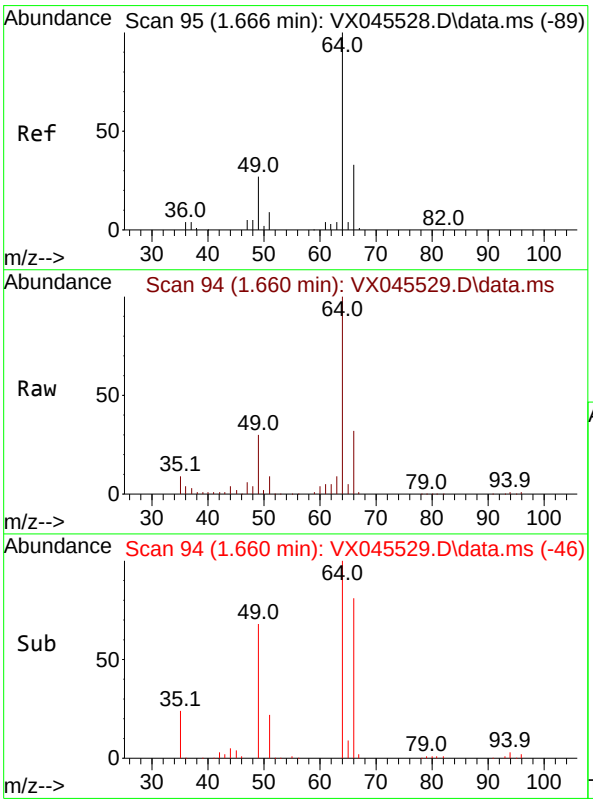
Ion	Ratio	Lower	Upper
94	100		
96	91.9	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

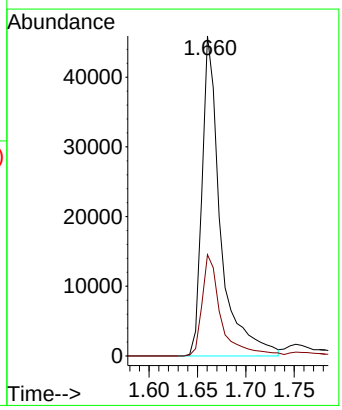
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

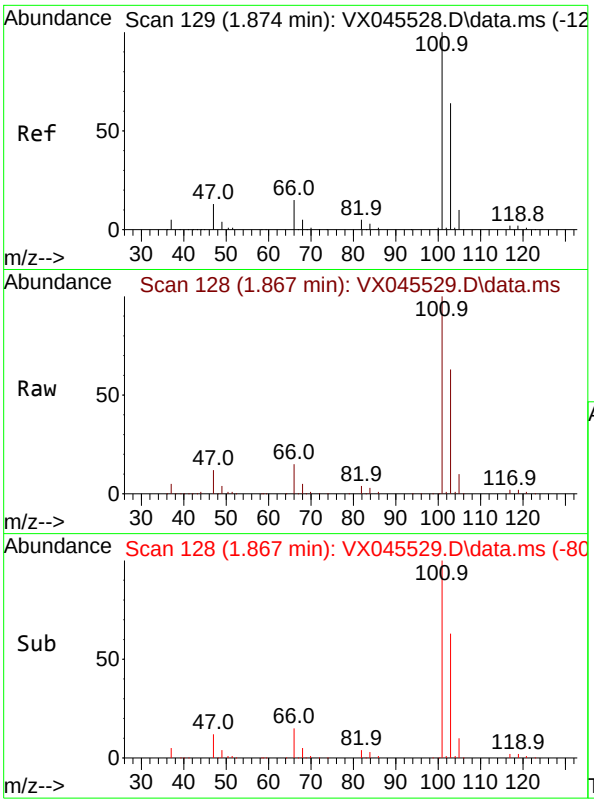


#6
Chloroethane
Concen: 95.120 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 64 Resp: 61099

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.3	39.5

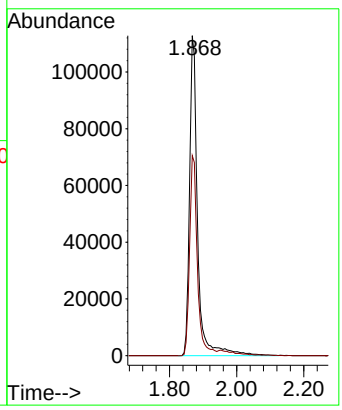




#7
Trichlorofluoromethane
Concen: 103.887 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:101 Resp: 18755

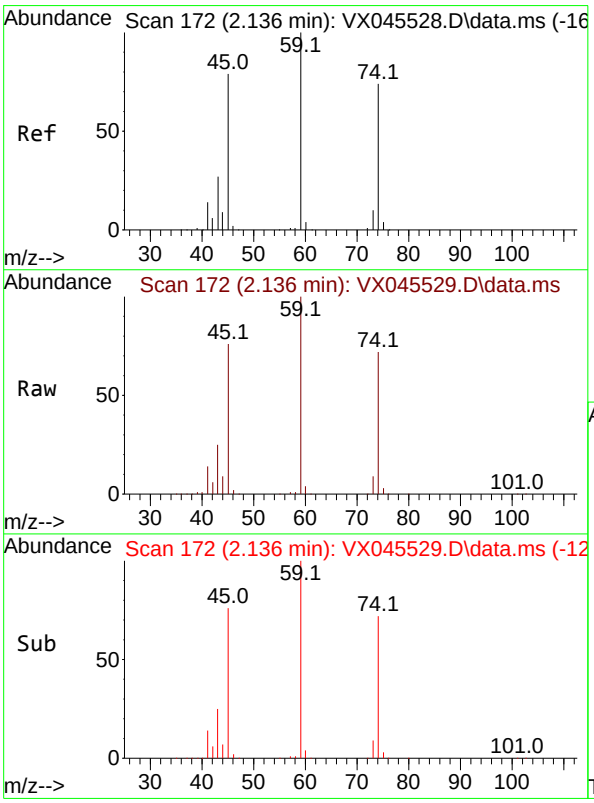
Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

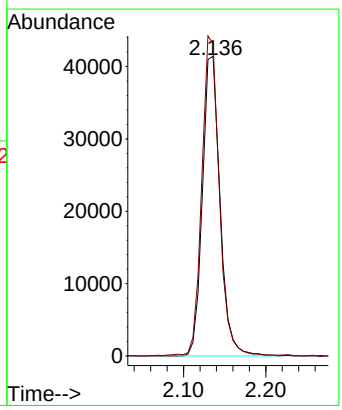
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

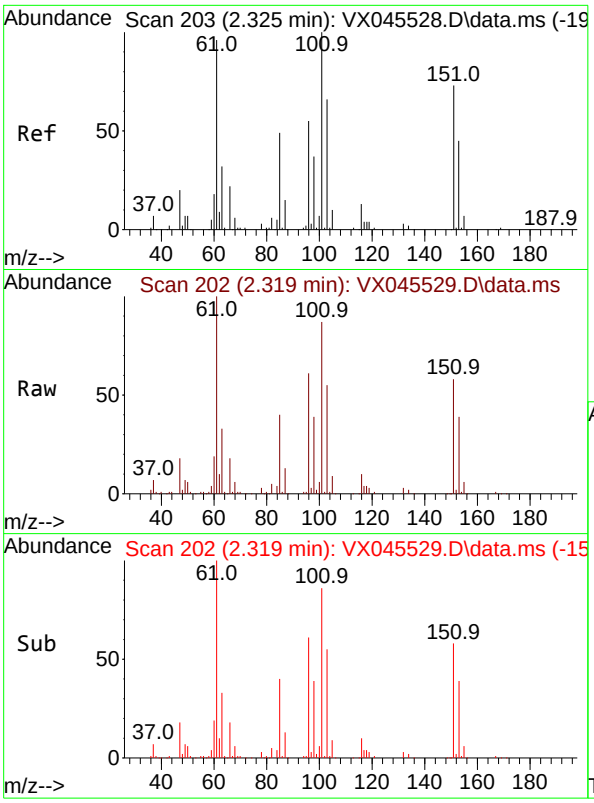


#8
Diethyl Ether
Concen: 101.767 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 74 Resp: 61683

Ion	Ratio	Lower	Upper
74	100		
45	106.7	53.0	159.1

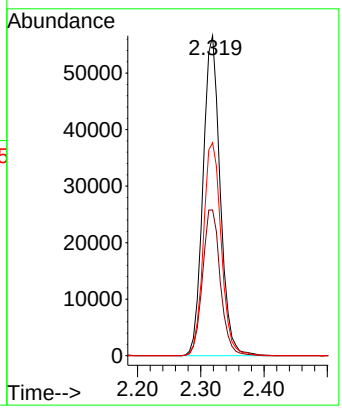




#9
1,1,2-Trichlorotrifluoroethane
Concen: 101.133 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:101 Resp: 10698

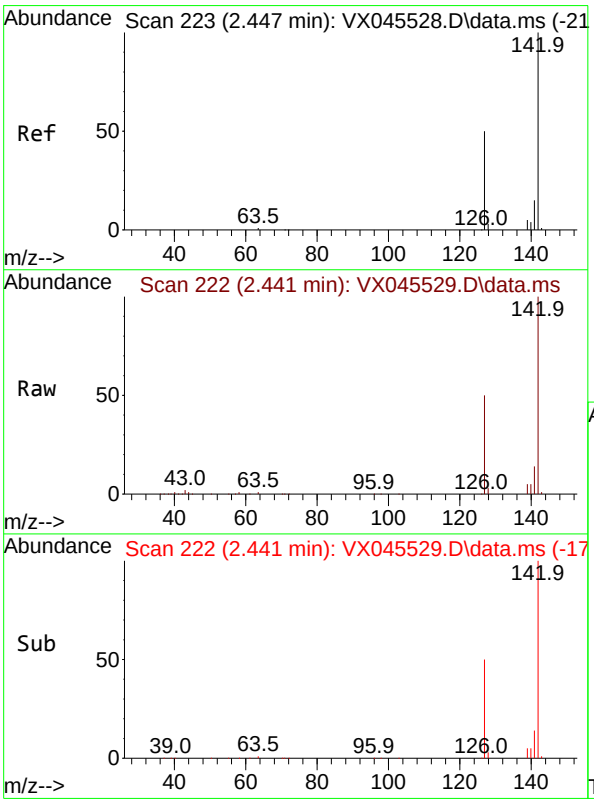
Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.9	58.3
151	69.0	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

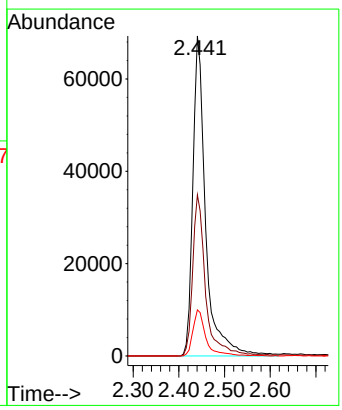
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

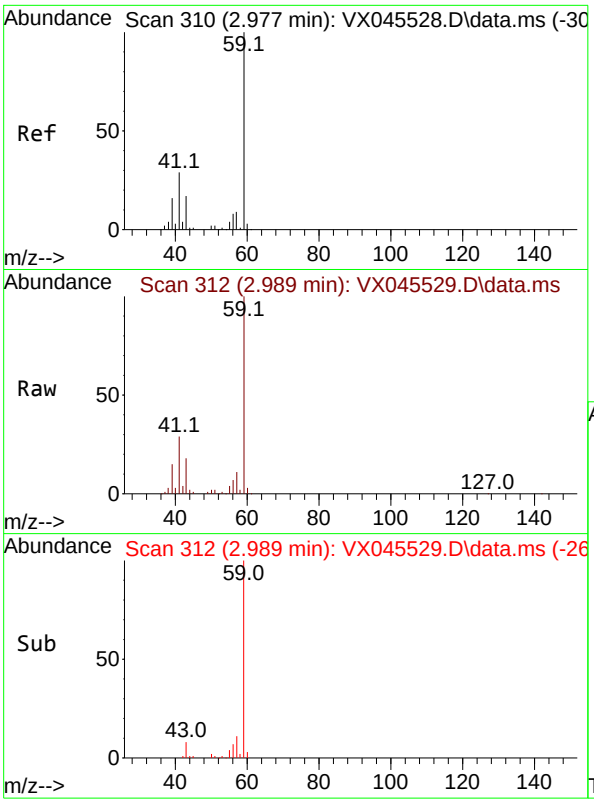


#10
Methyl Iodide
Concen: 102.863 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:142 Resp: 135732

Ion	Ratio	Lower	Upper
142	100		
127	50.6	40.2	60.4
141	14.5	11.7	17.5





#11
Tert butyl alcohol
Concen: 519.999 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

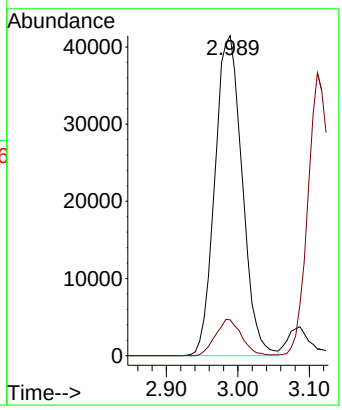
Tgt Ion: 59 Resp: 11004

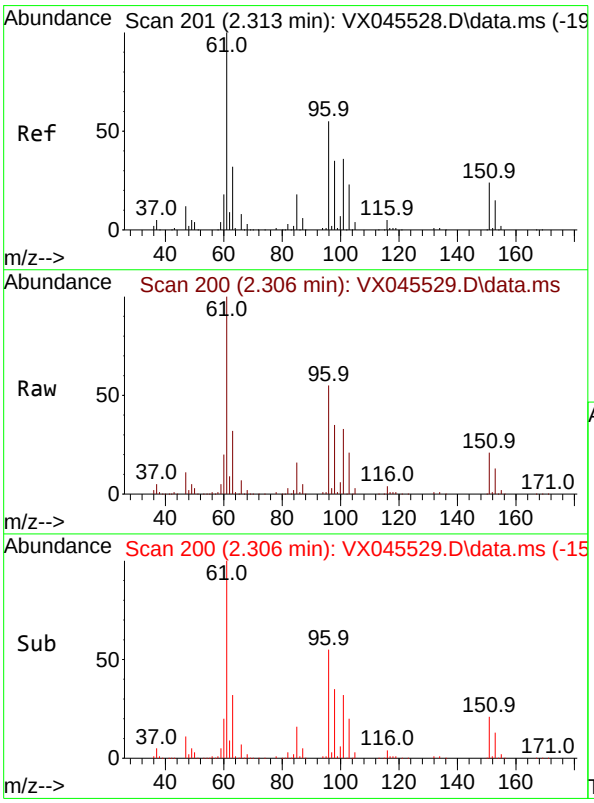
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

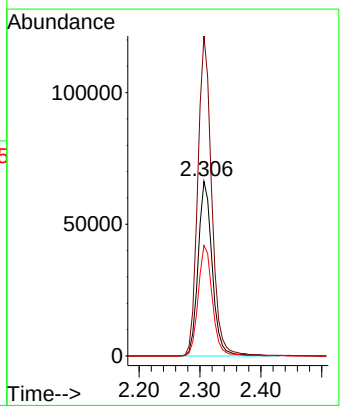


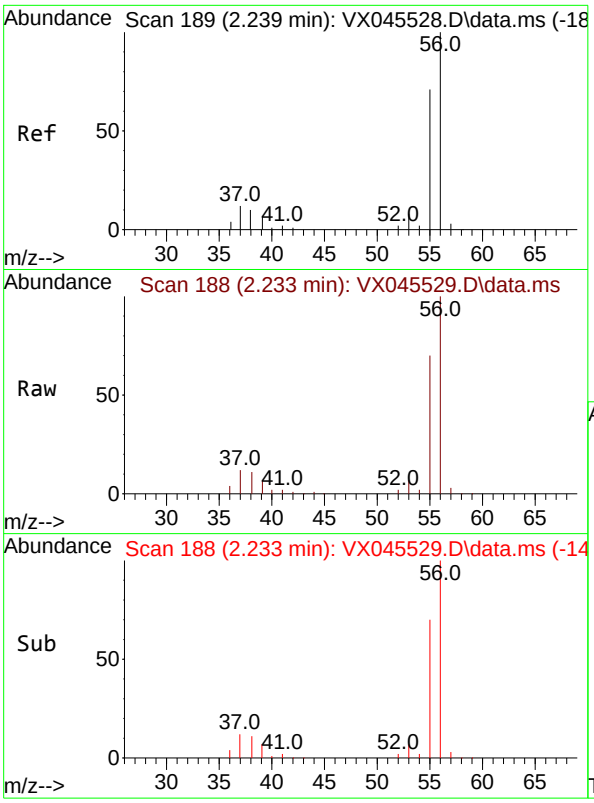


#12
1,1-Dichloroethene
Concen: 102.934 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 96 Resp: 106404

Ion	Ratio	Lower	Upper
96	100		
61	183.3	145.7	218.5
98	63.3	51.6	77.4

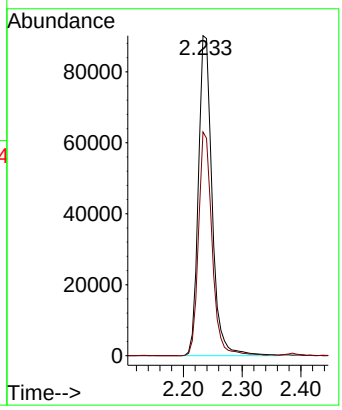




#13
Acrolein
Concen: 501.914 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 56 Resp: 14626

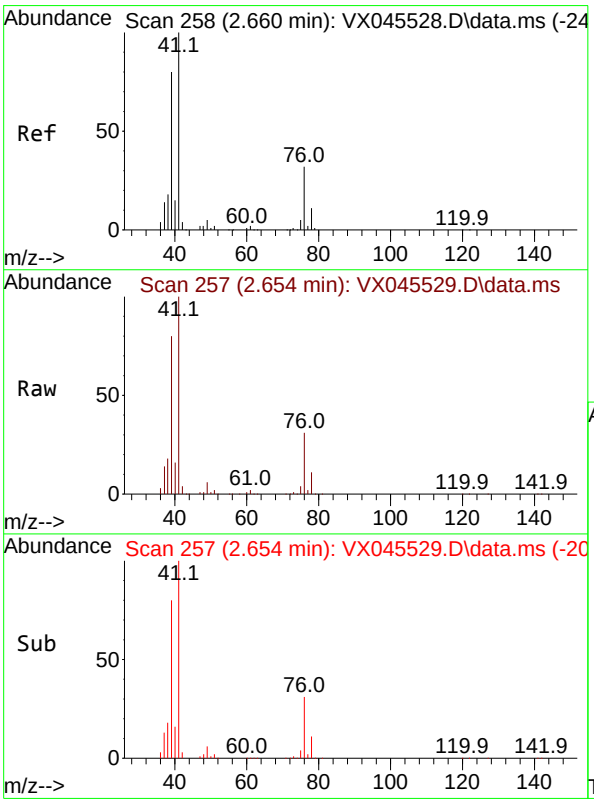
Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

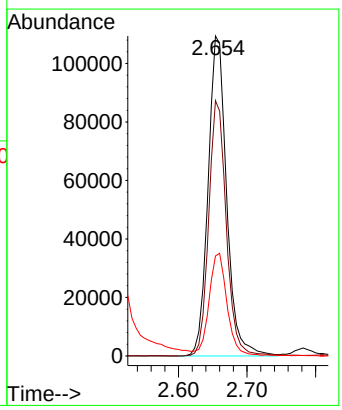
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

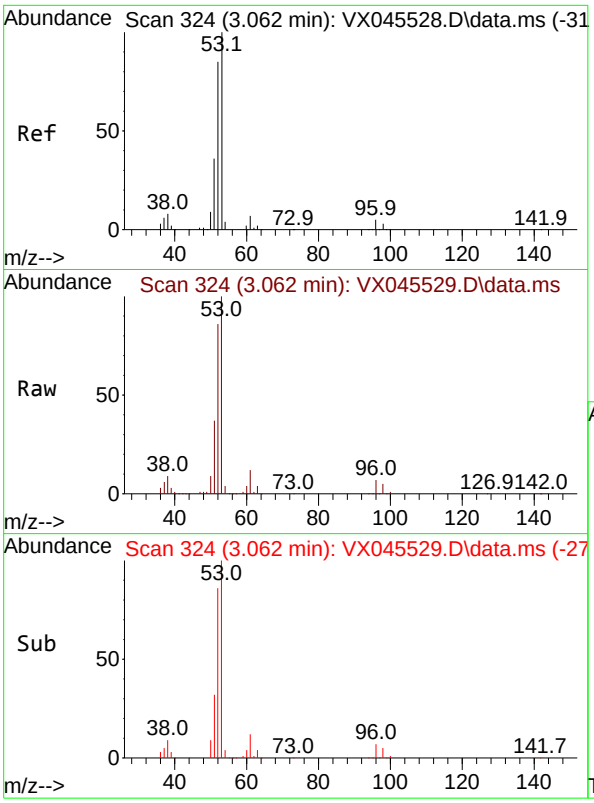


#14
Allyl chloride
Concen: 105.276 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 41 Resp: 206484

Ion	Ratio	Lower	Upper
41	100		
39	75.8	60.2	90.2
76	31.3	24.6	36.8

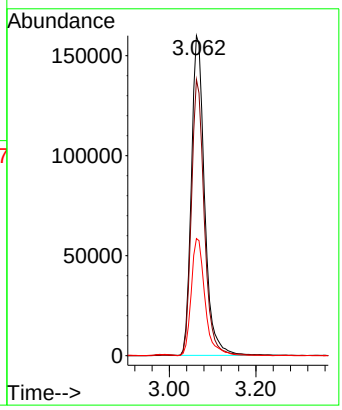




#15
Acrylonitrile
Concen: 507.426 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 53 Resp: 33897

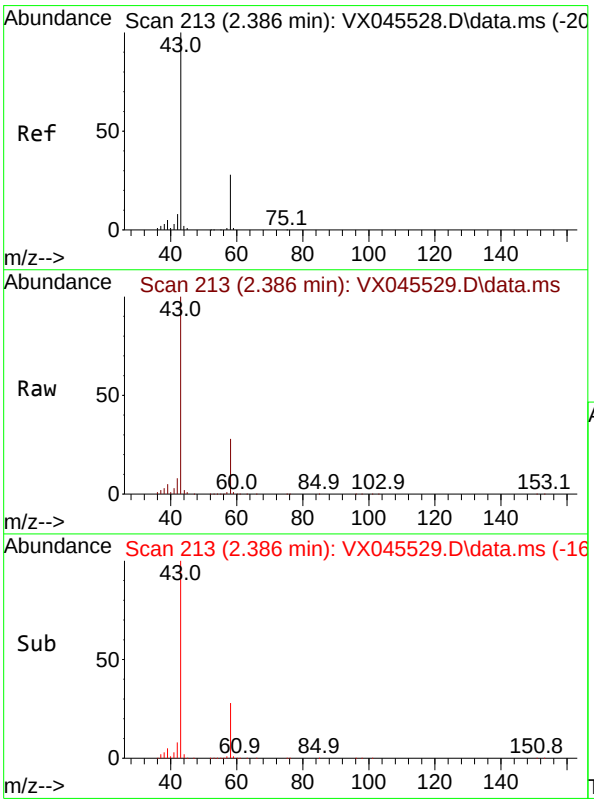
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.4	101.2
51	38.0	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

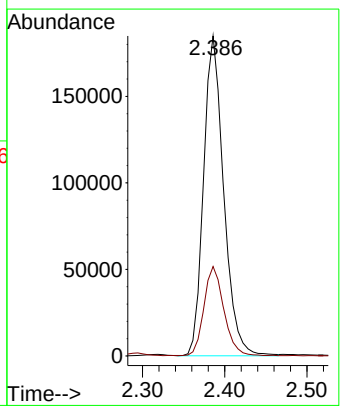
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

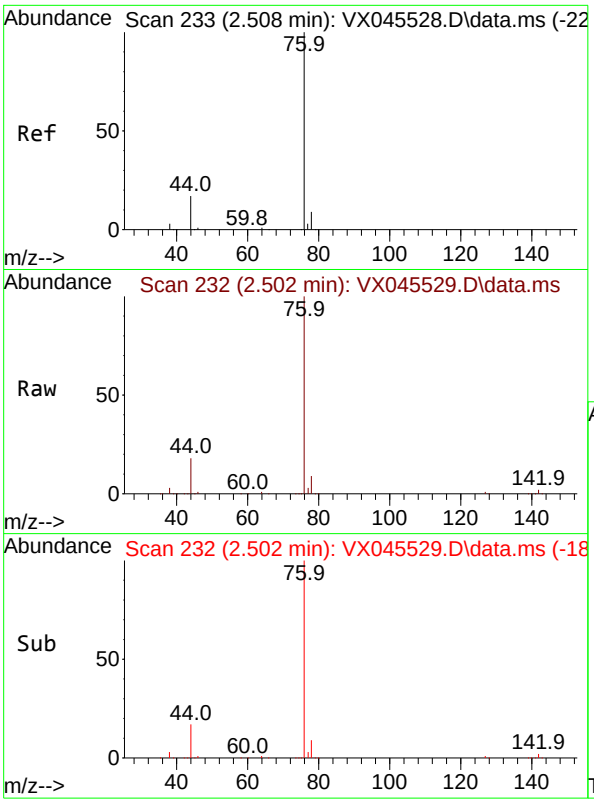


#16
Acetone
Concen: 486.054 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 314285

Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.3	33.5

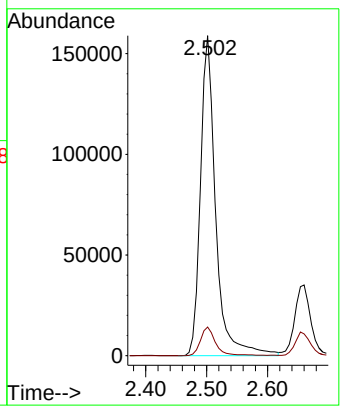




#17
Carbon Disulfide
Concen: 108.215 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 76 Resp: 27628

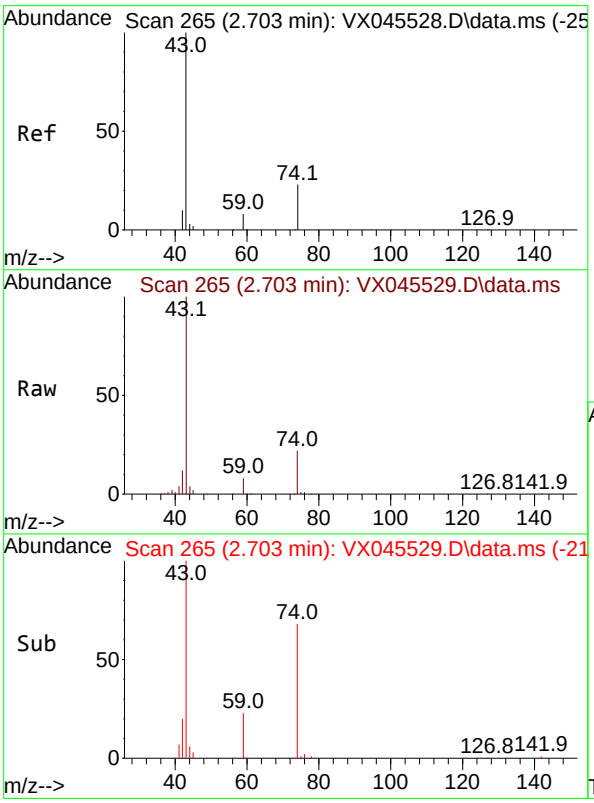
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

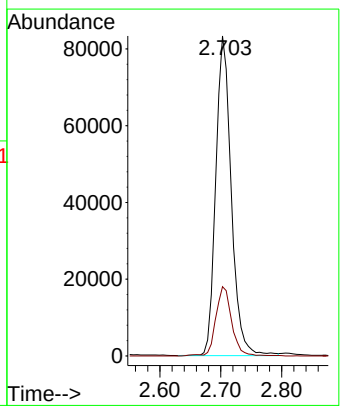
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

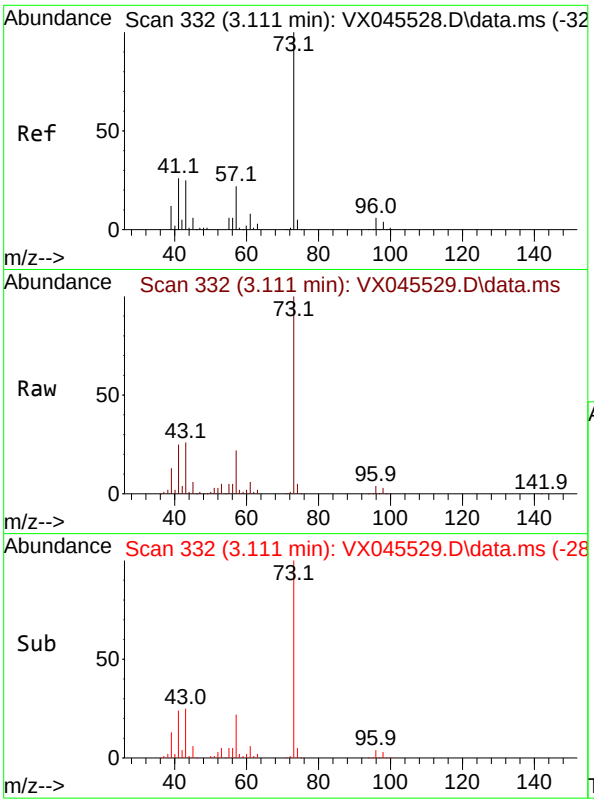


#18
Methyl Acetate
Concen: 98.925 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 147272

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.5	26.3

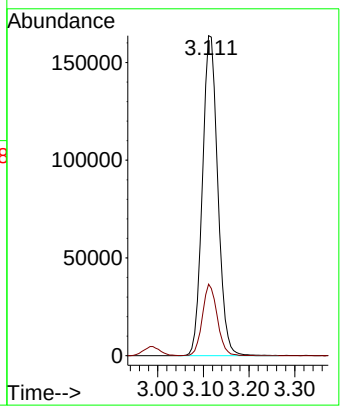




#19
Methyl tert-butyl Ether
Concen: 105.561 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 73 Resp: 38171

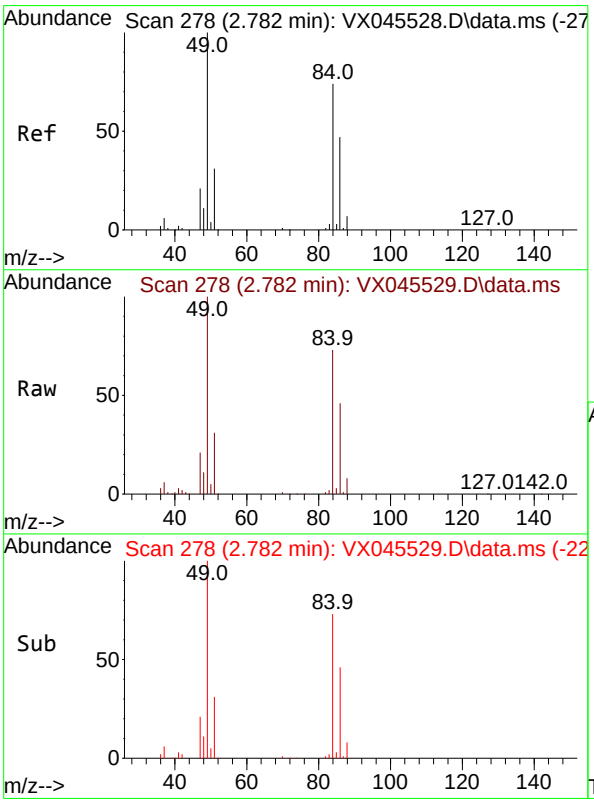
Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

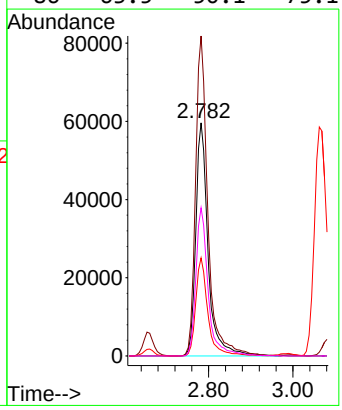
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

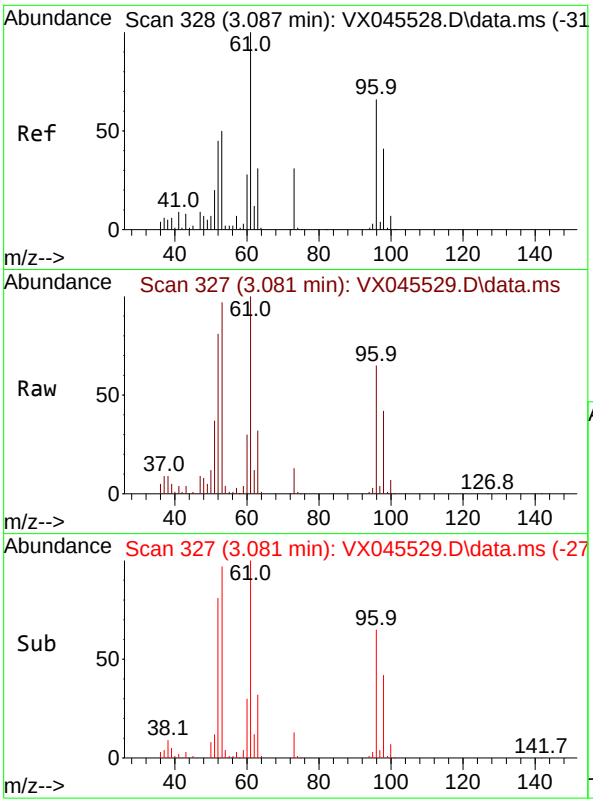


#20
Methylene Chloride
Concen: 100.316 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 84 Resp: 121435

Ion	Ratio	Lower	Upper
84	100		
49	137.2	107.5	161.3
51	42.1	33.0	49.6
86	63.5	50.1	75.1

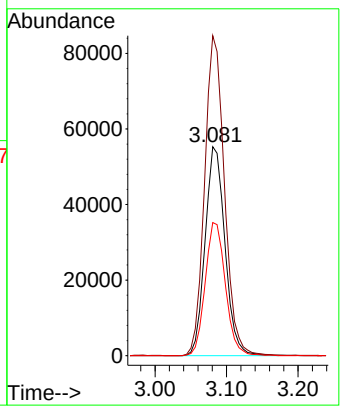




#21
trans-1,2-Dichloroethene
Concen: 101.220 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 96 Resp: 10689

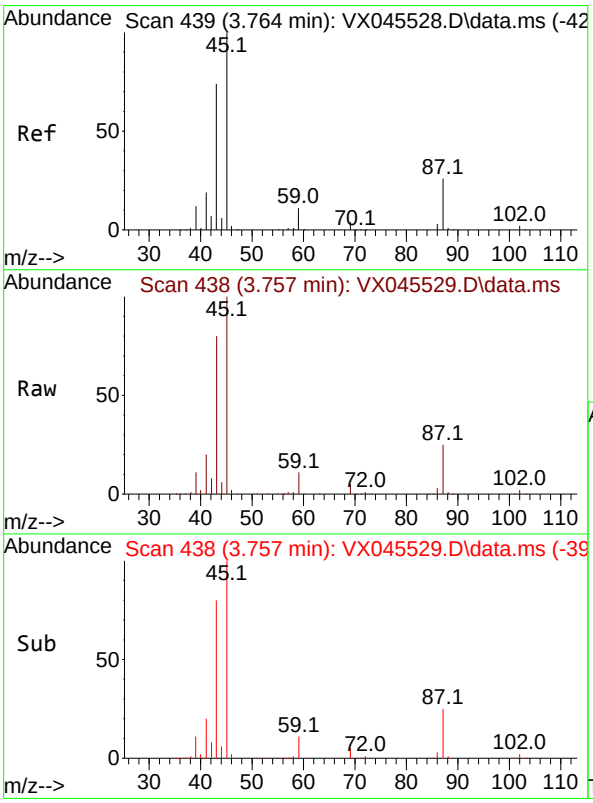
Ion	Ratio	Lower	Upper
96	100		
61	153.1	121.0	181.6
98	63.7	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

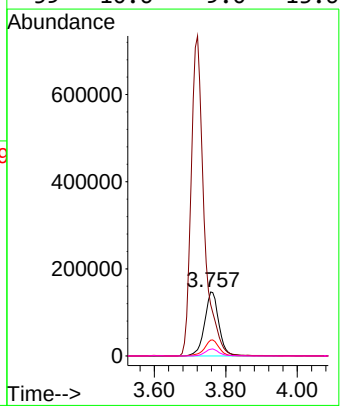
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

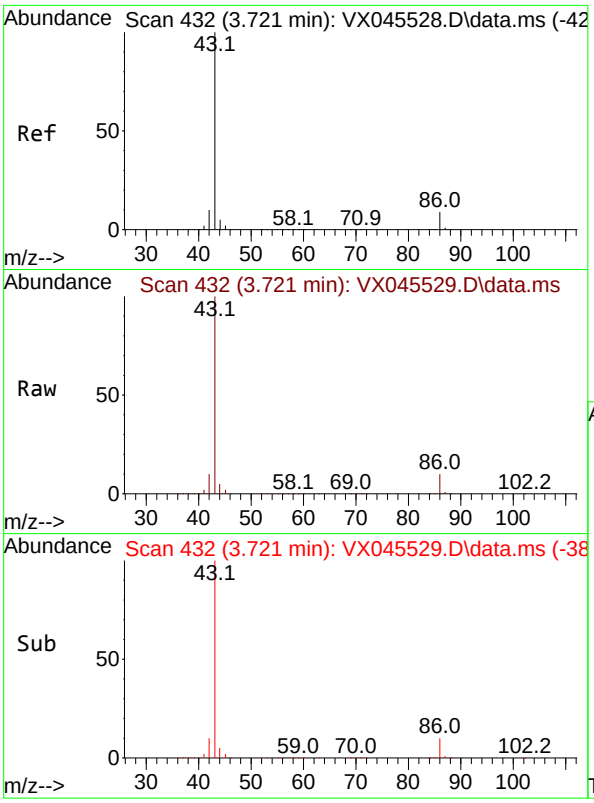


#22
Diisopropyl ether
Concen: 105.132 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 45 Resp: 406185

Ion	Ratio	Lower	Upper
45	100		
43	80.1	59.3	88.9
87	24.7	20.4	30.6
59	10.6	9.0	13.6

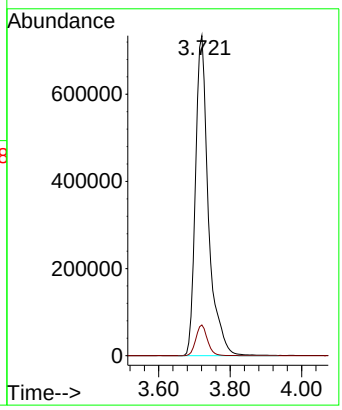




#23
Vinyl Acetate
Concen: 553.853 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 184881

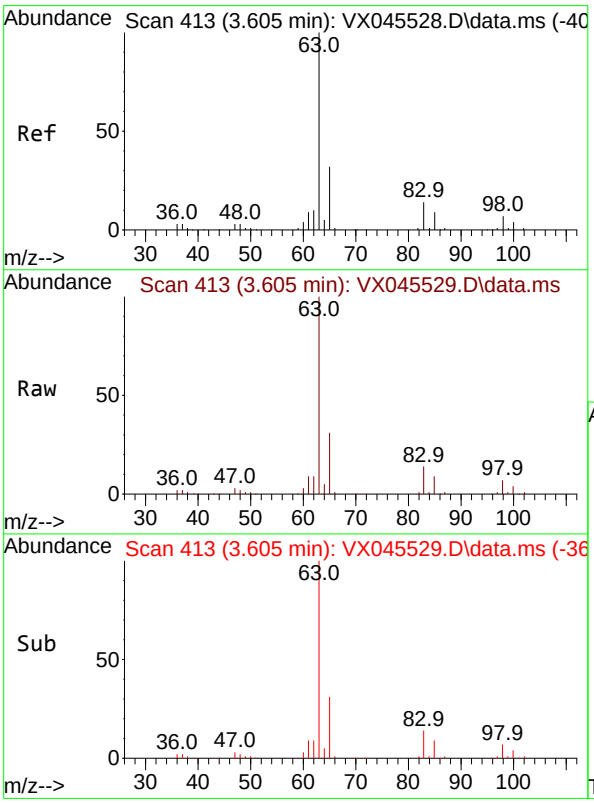
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

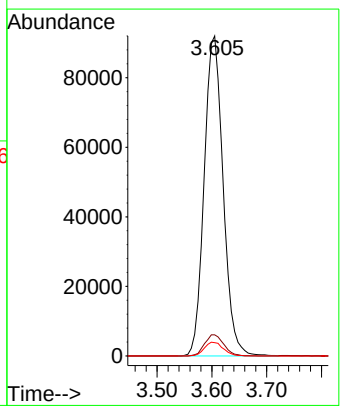
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

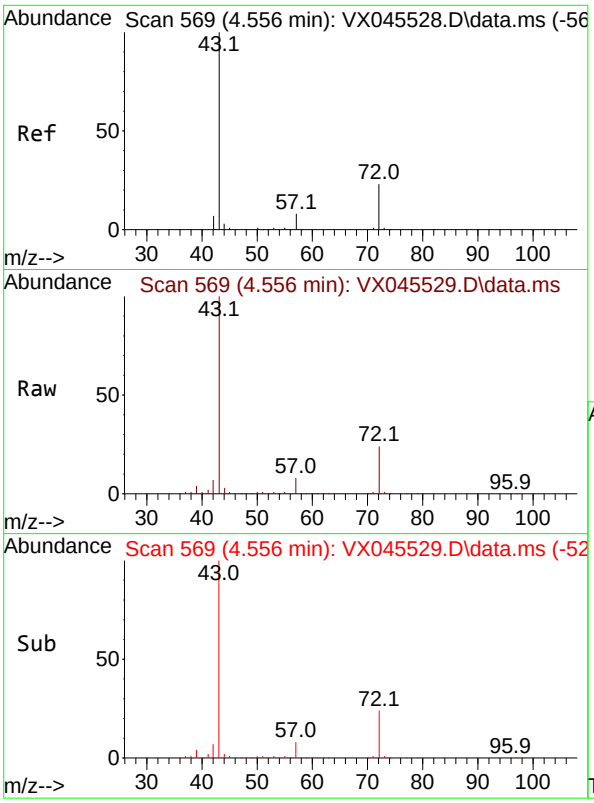


#24
1,1-Dichloroethane
Concen: 101.114 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 63 Resp: 220934

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	4.2	2.2	6.6

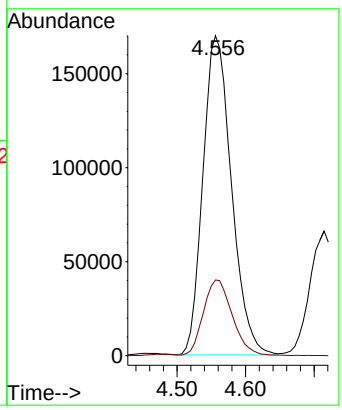




#25
2-Butanone
Concen: 519.018 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 49124

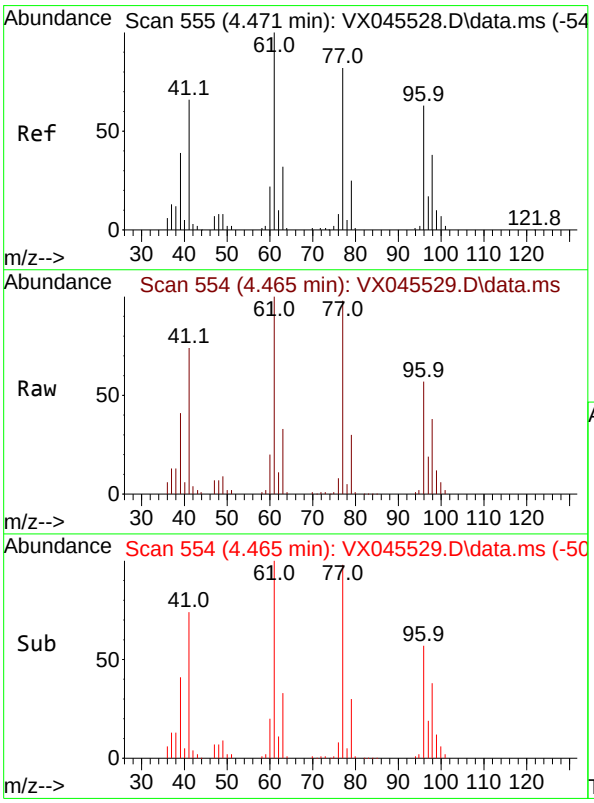
Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

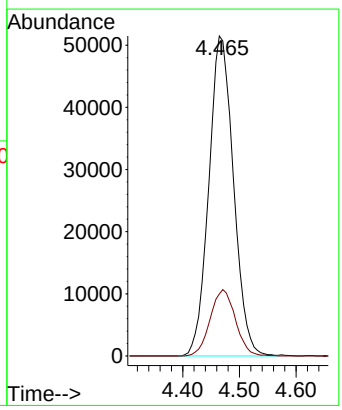
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

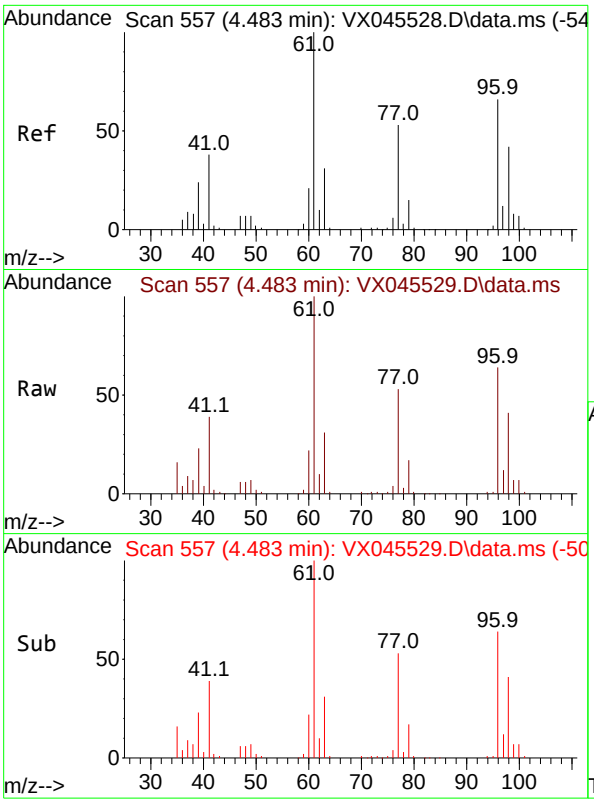


#26
2,2-Dichloropropane
Concen: 110.215 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 77 Resp: 155592

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8

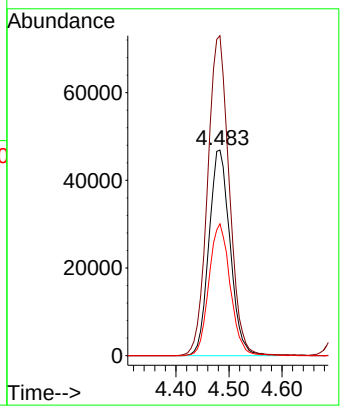




#27
cis-1,2-Dichloroethene
Concen: 100.871 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 96 Resp: 12978

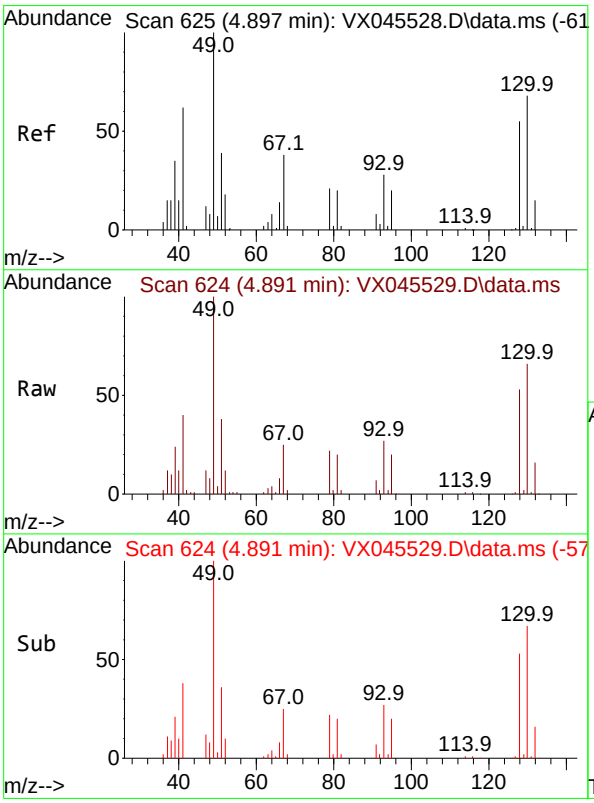
Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	313.2
98	64.7	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

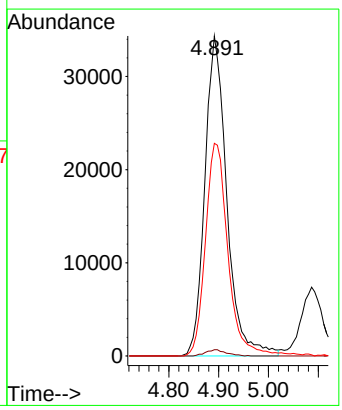
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

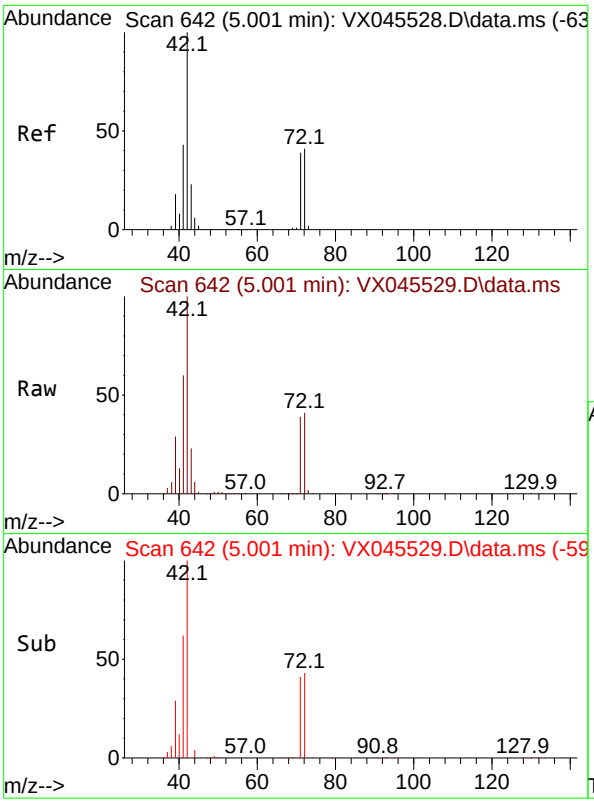


#28
Bromochloromethane
Concen: 99.530 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 49 Resp: 105093

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	68.4	54.6	81.8





#29
Tetrahydrofuran
Concen: 510.264 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

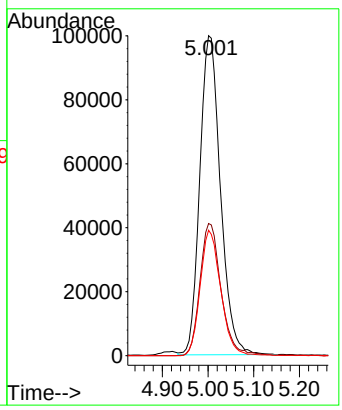
Tgt Ion: 42 Resp: 31312

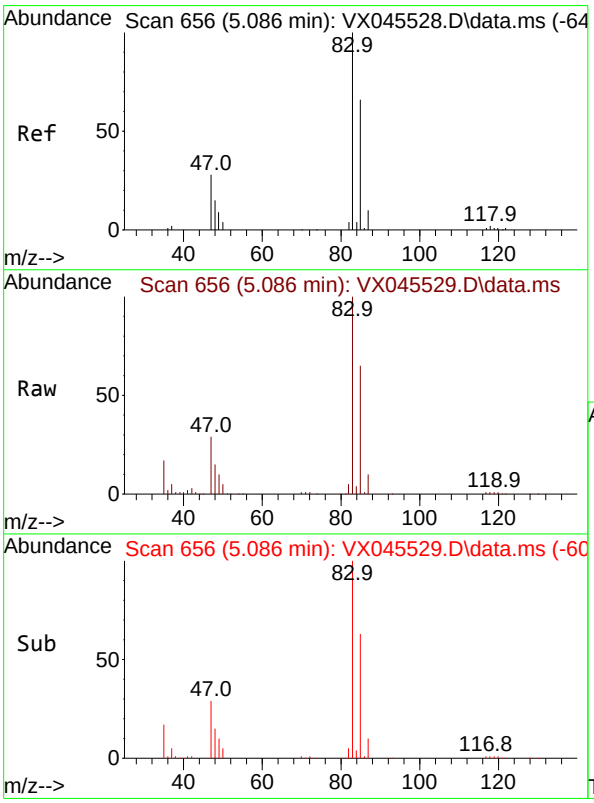
Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	39.1	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

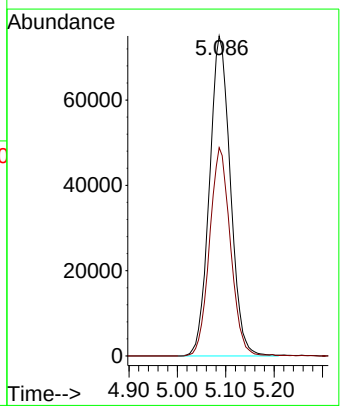


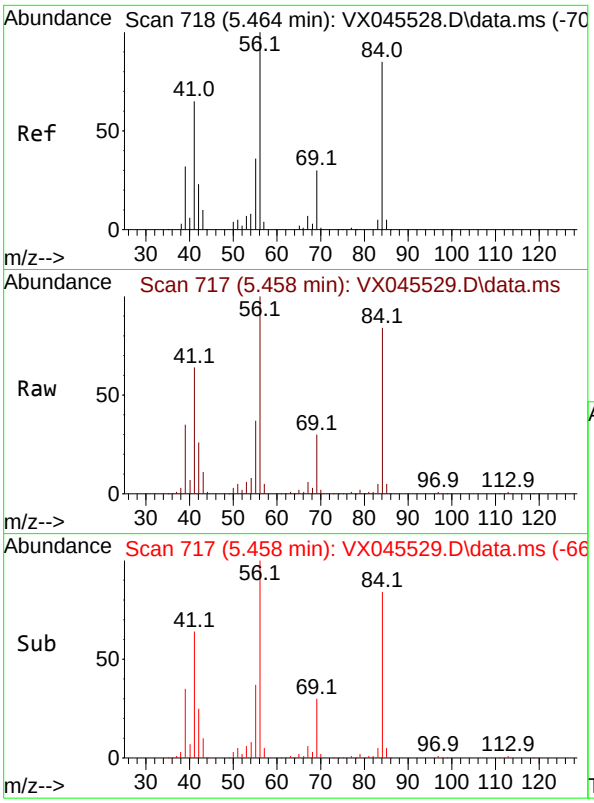


#30
Chloroform
Concen: 100.255 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 83 Resp: 225402

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.8	79.2

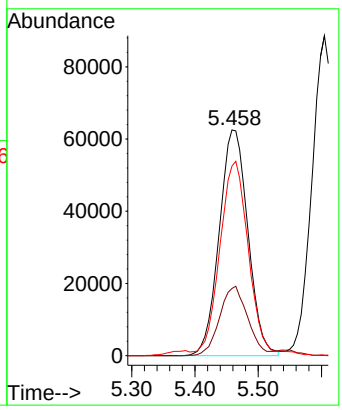




#31
Cyclohexane
Concen: 102.056 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 56 Resp: 19713

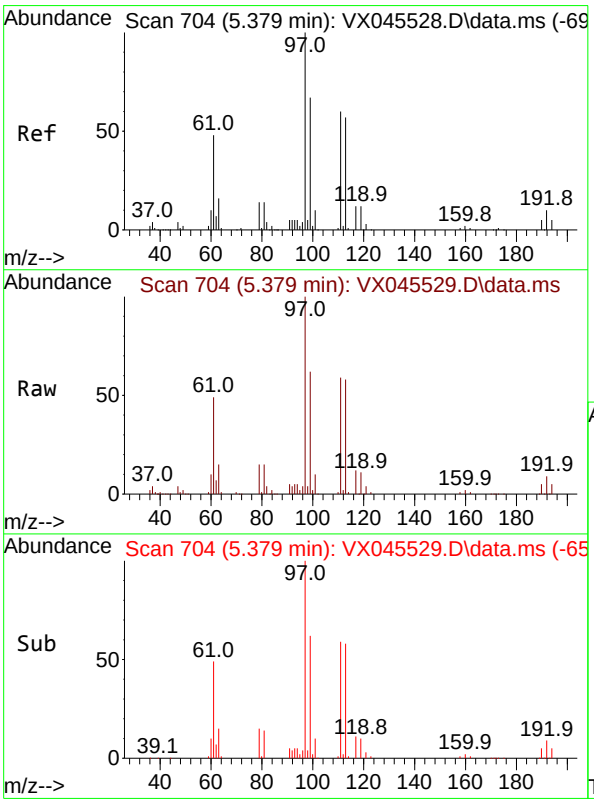
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.6	35.4
84	82.1	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

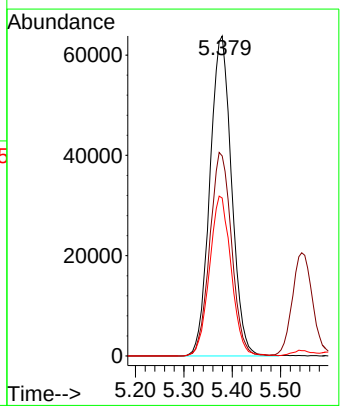
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

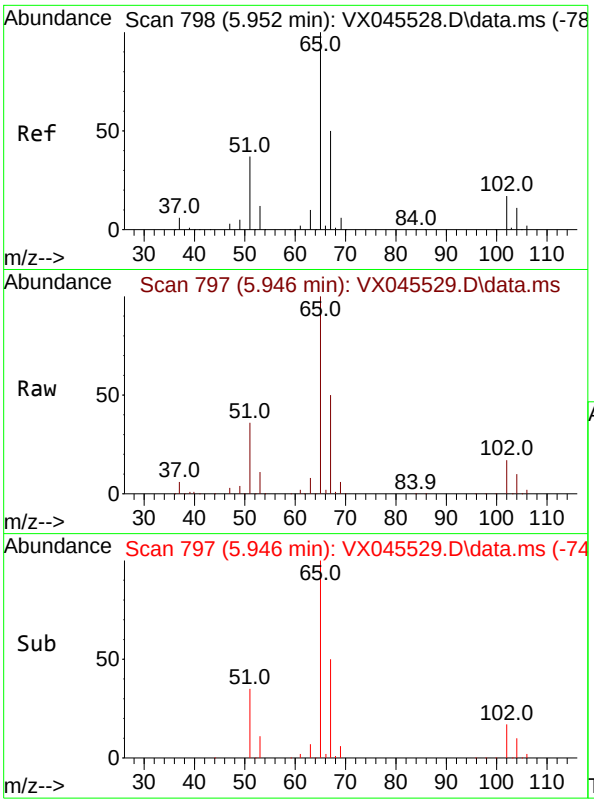


#32
1,1,1-Trichloroethane
Concen: 104.346 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 97 Resp: 198511

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	50.2	41.0	61.4

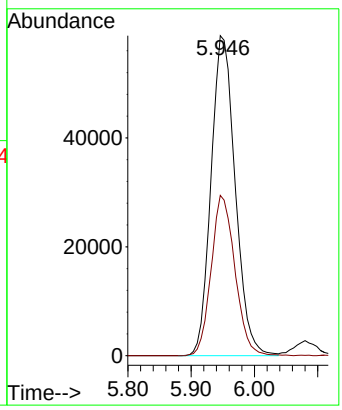




#33
1,2-Dichloroethane-d4
Concen: 98.914 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 65 Resp: 15575

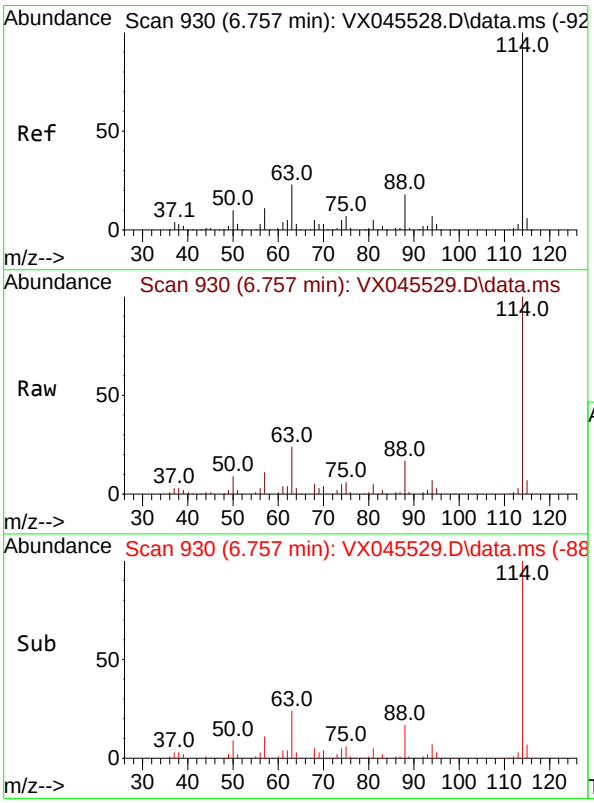
Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

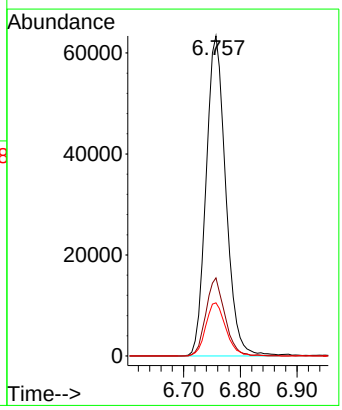
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

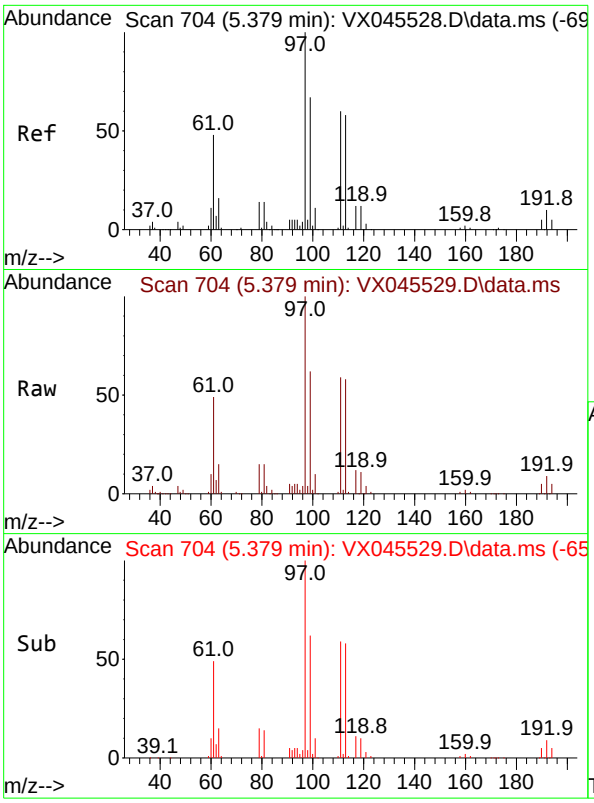


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:114 Resp: 152724

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	46.8
88	16.6	0.0	35.4

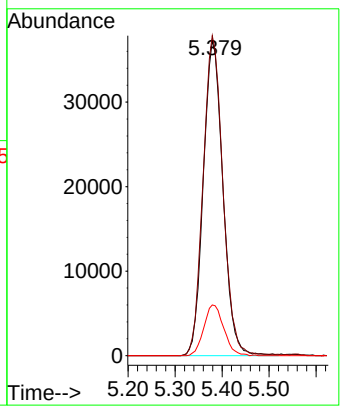




#35
Dibromofluoromethane
Concen: 99.585 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:113 Resp: 10790

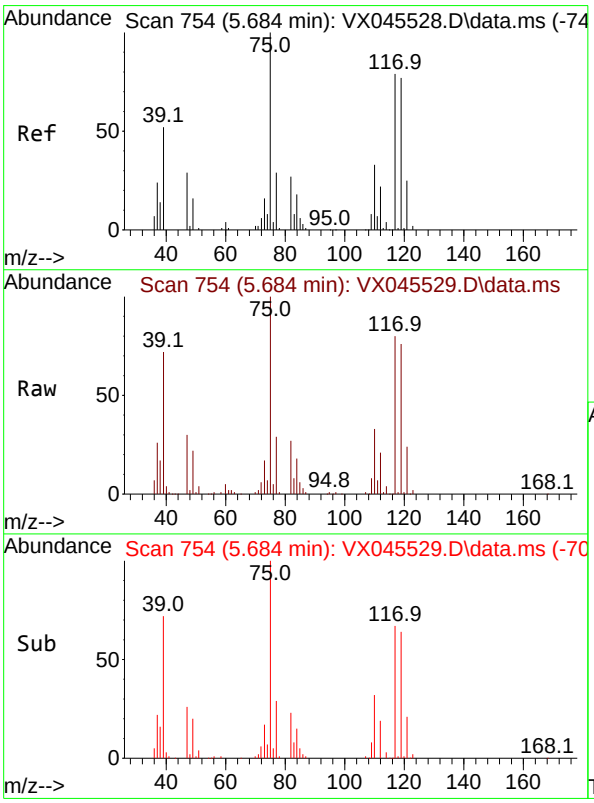
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	16.4	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

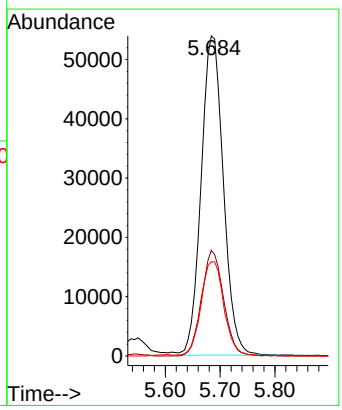
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

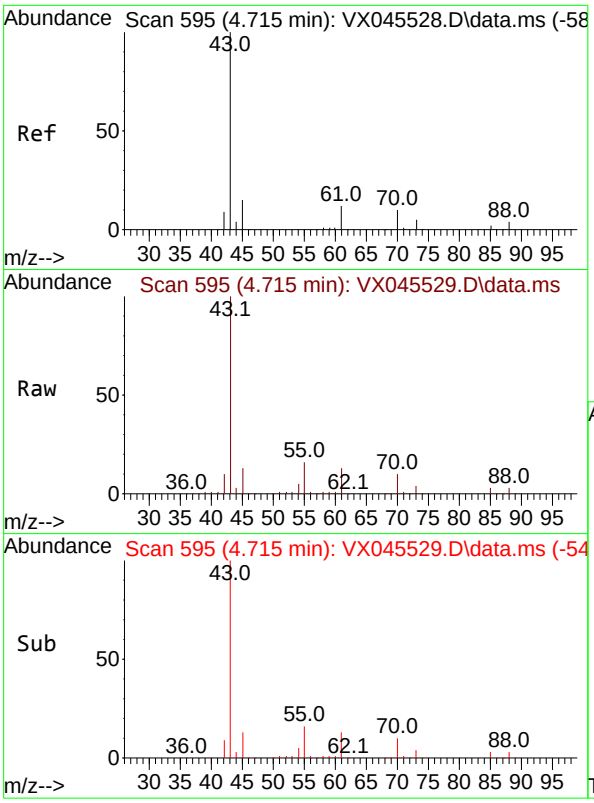


#36
1,1-Dichloropropene
Concen: 103.515 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 151448

Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.9	50.6
77	30.4	25.0	37.4

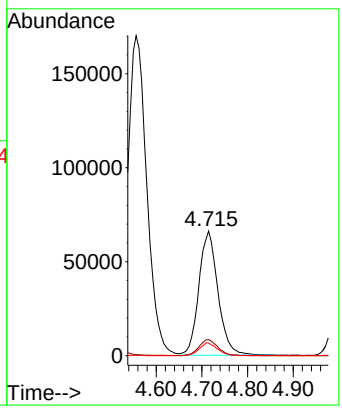




#37
Ethyl Acetate
Concen: 104.207 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 19213

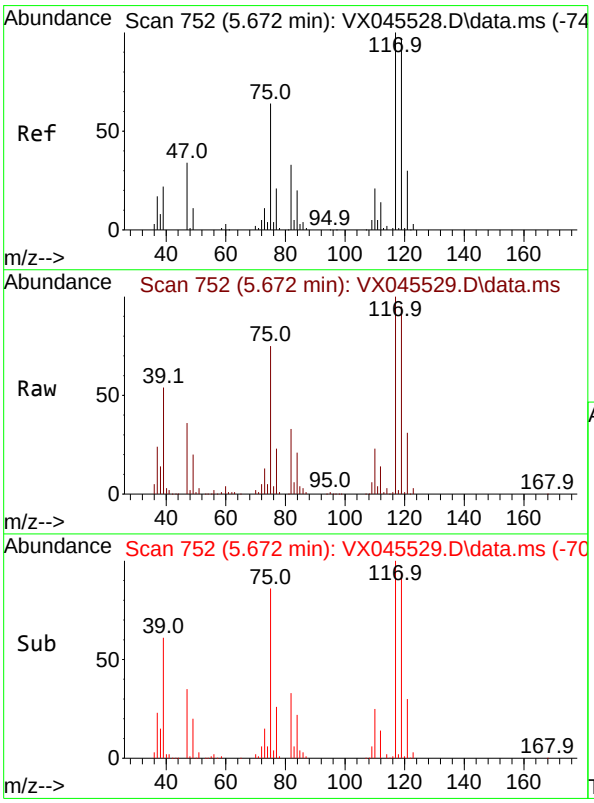
Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.9	14.9
70	9.8	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

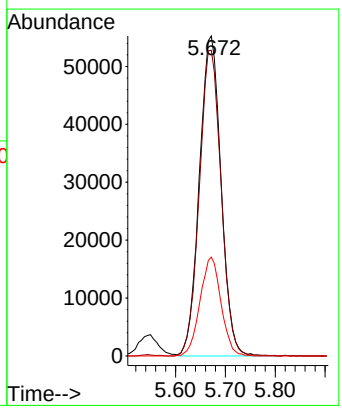
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

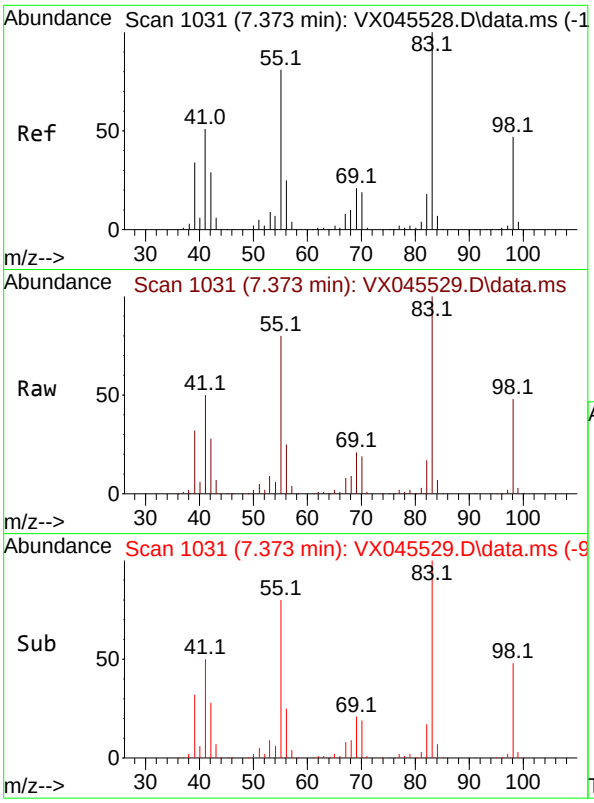


#38
Carbon Tetrachloride
Concen: 105.278 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:117 Resp: 166465

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.9	115.3
121	30.9	24.2	36.2

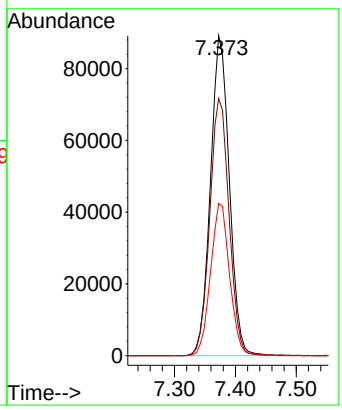




#39
Methylcyclohexane
Concen: 106.921 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 83 Resp: 19175

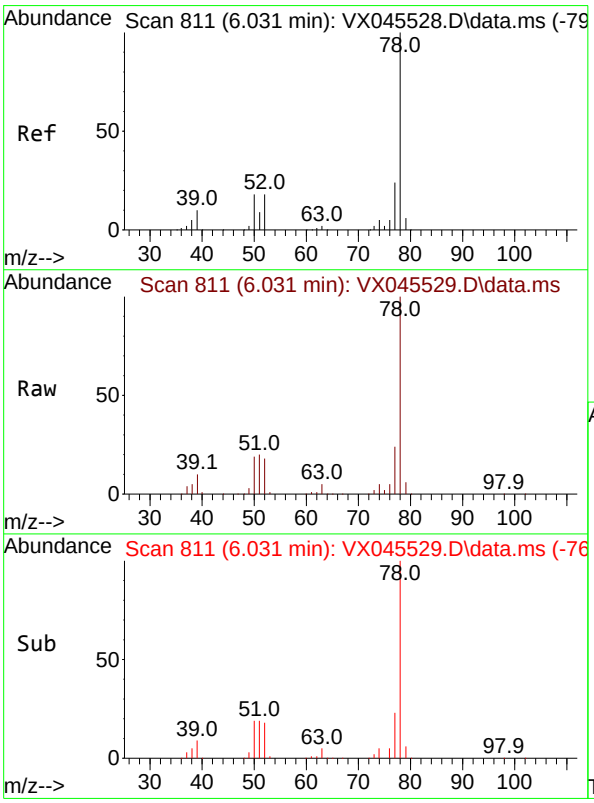
Ion	Ratio	Lower	Upper
83	100		
55	80.4	64.9	97.3
98	47.6	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

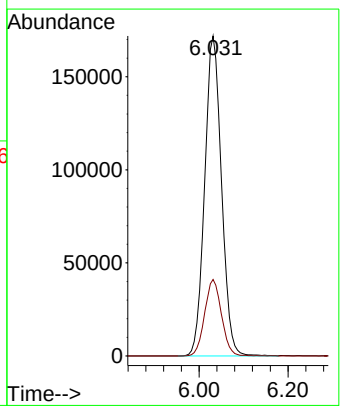
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

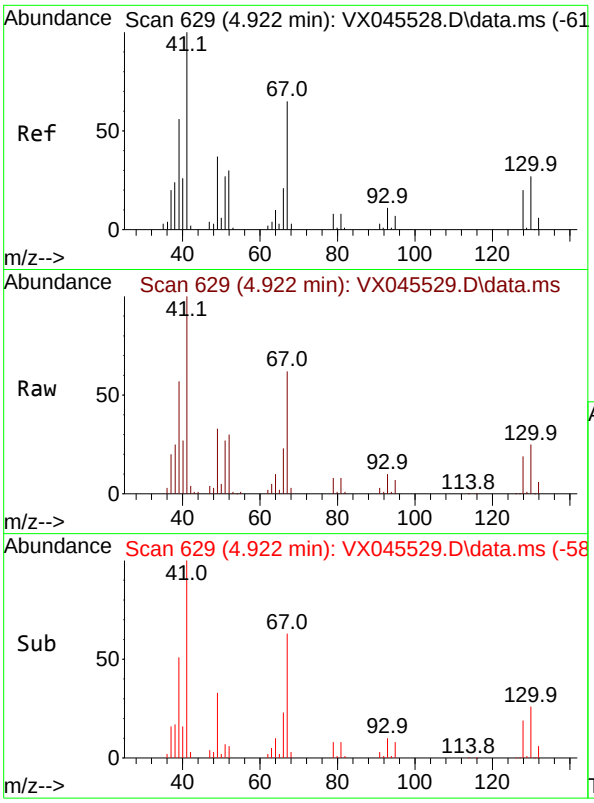


#40
Benzene
Concen: 101.369 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 78 Resp: 452946

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6

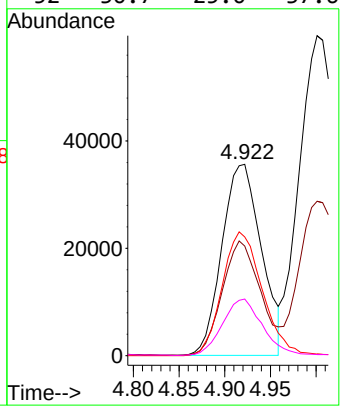




#41
Methacrylonitrile
Concen: 109.068 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 41 Resp: 10703

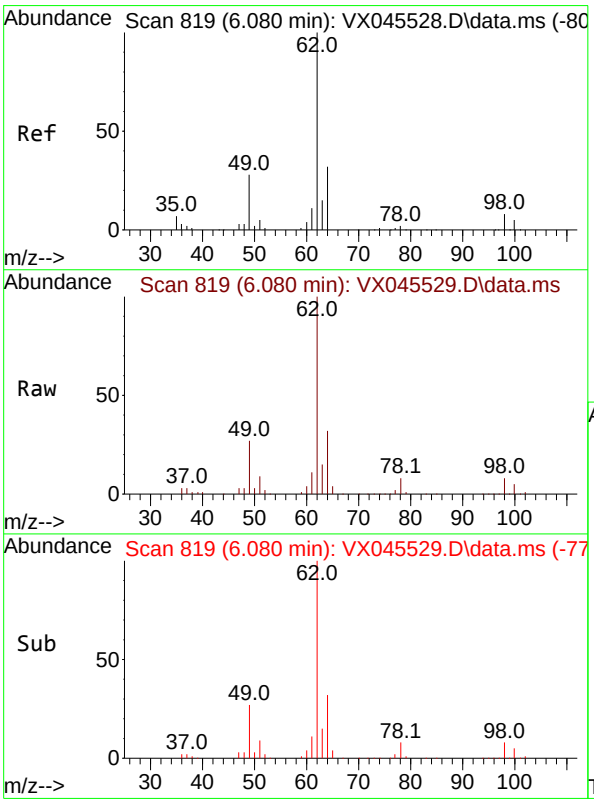
Ion	Ratio	Lower	Upper
41	100		
39	57.9	47.0	70.6
67	66.2	53.2	79.8
52	30.7	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

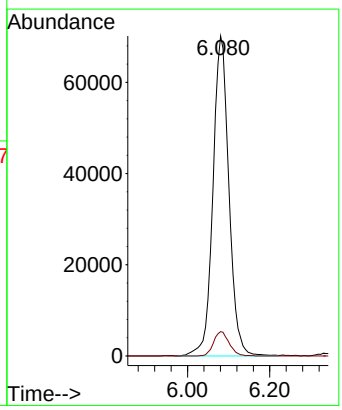
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

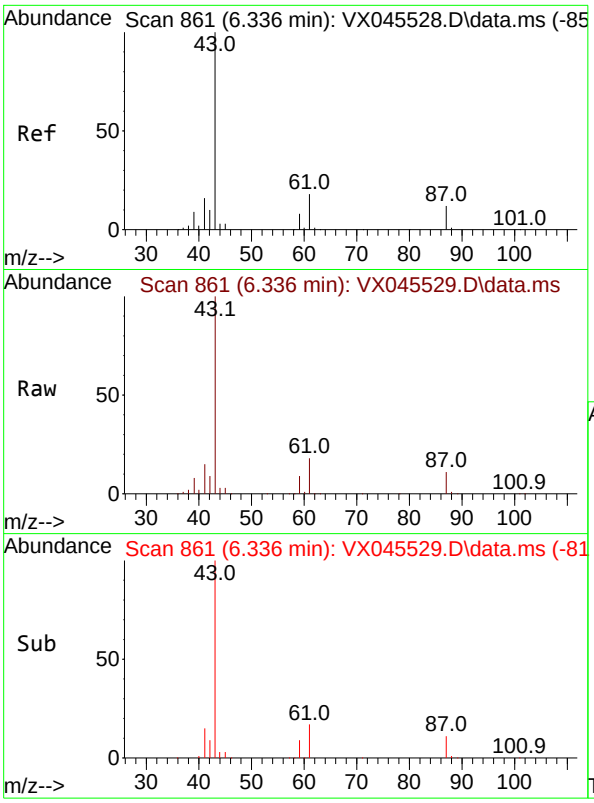


#42
1,2-Dichloroethane
Concen: 102.696 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 62 Resp: 189528

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2

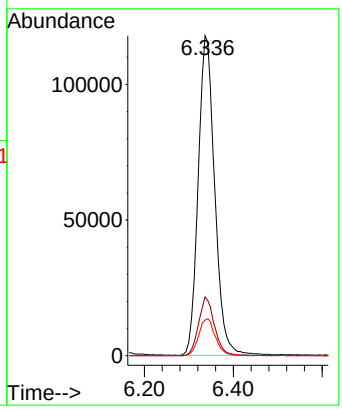




#43
Isopropyl Acetate
Concen: 109.494 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 30597

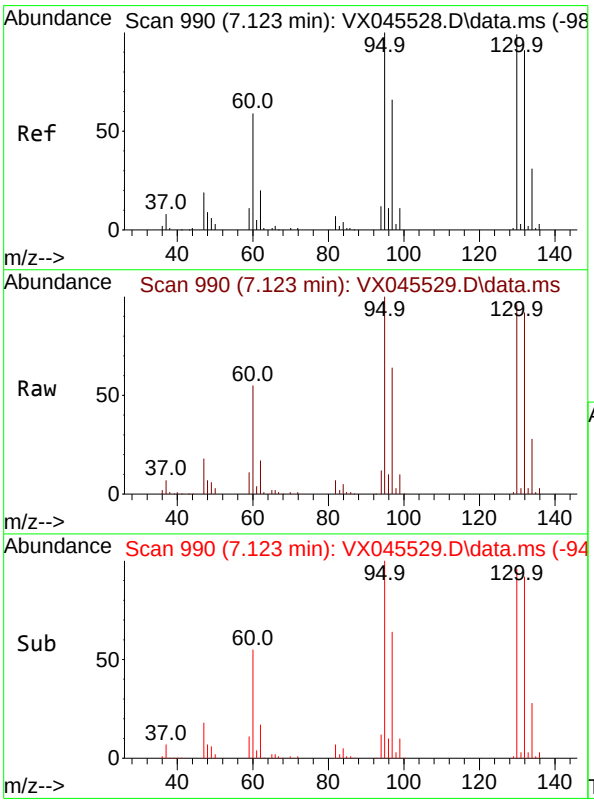
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.1	21.1
87	11.6	9.2	13.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

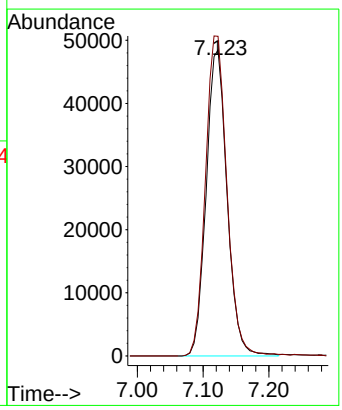
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

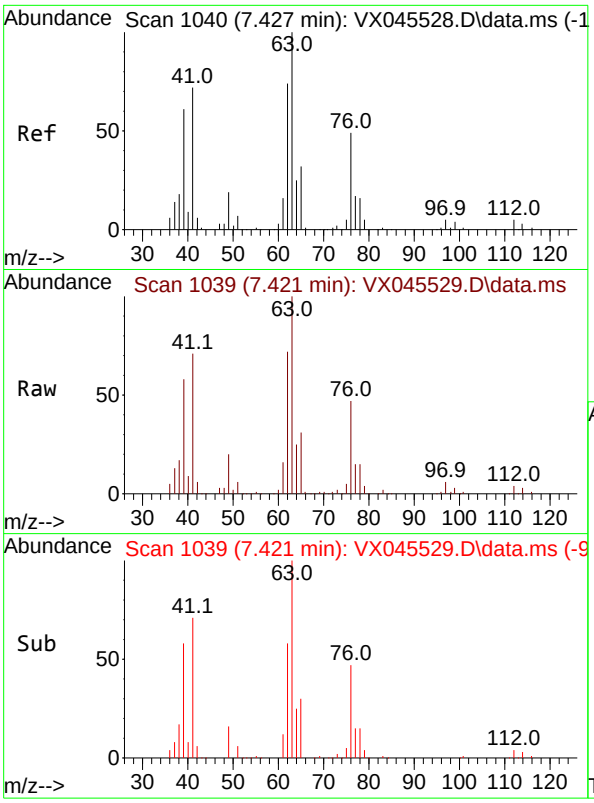


#44
Trichloroethene
Concen: 101.062 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:130 Resp: 107332

Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	202.0

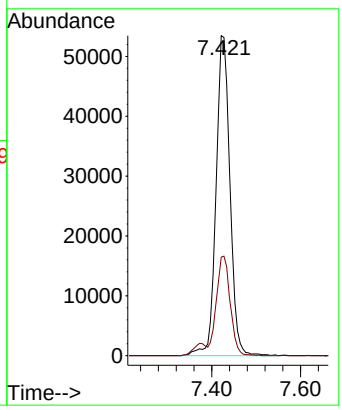




#45
1,2-Dichloropropane
Concen: 103.806 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 63 Resp: 11573

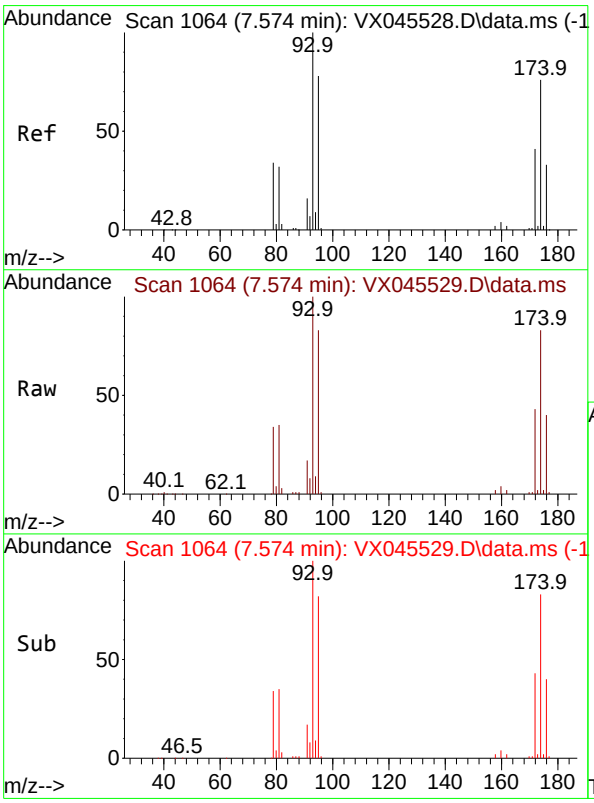
Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

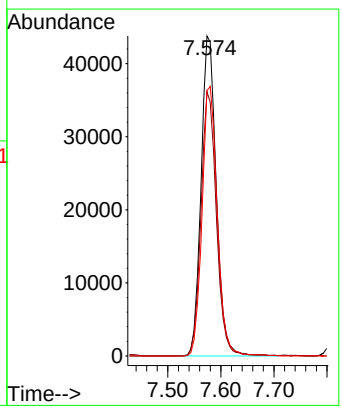
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

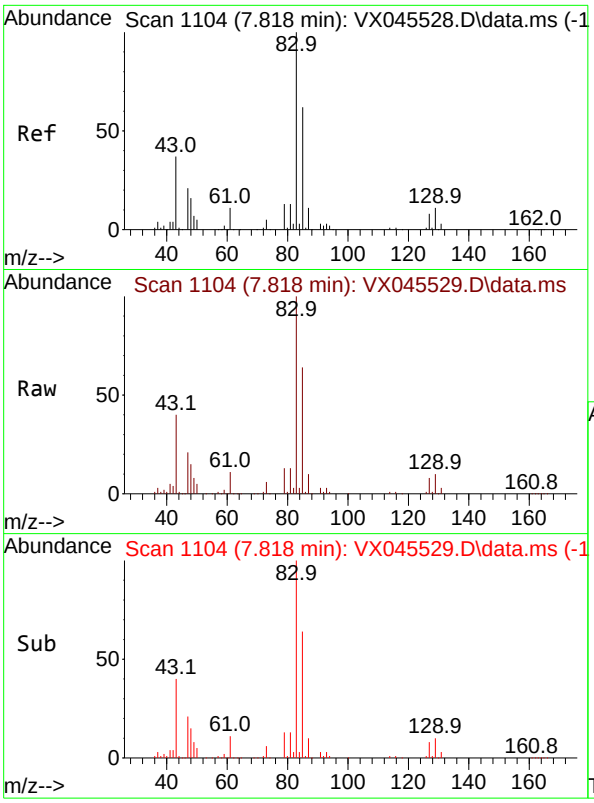


#46
Dibromomethane
Concen: 102.101 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 93 Resp: 87381

Ion	Ratio	Lower	Upper
93	100		
95	83.4	64.8	97.2
174	84.4	65.4	98.0

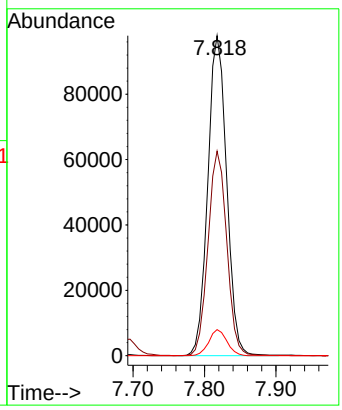




#47
Bromodichloromethane
Concen: 104.886 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 83 Resp: 17926

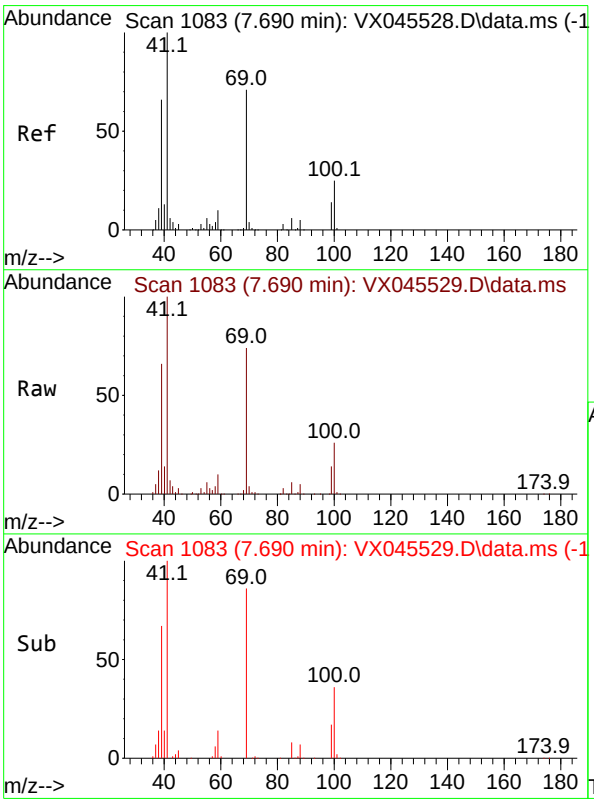
Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.7	74.5
127	8.2	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

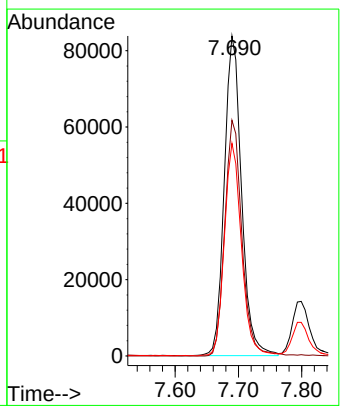
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

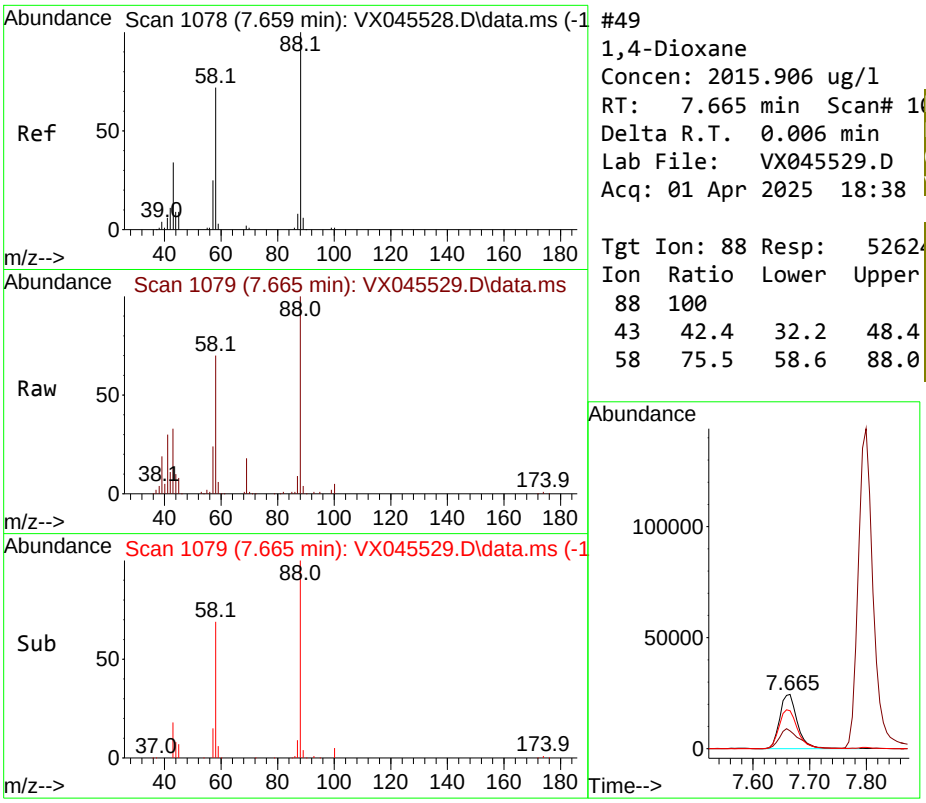


#48
Methyl methacrylate
Concen: 109.675 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 41 Resp: 158241

Ion	Ratio	Lower	Upper
41	100		
69	73.5	58.2	87.2
39	65.9	53.6	80.4





#49
1,4-Dioxane
Concen: 2015.906 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

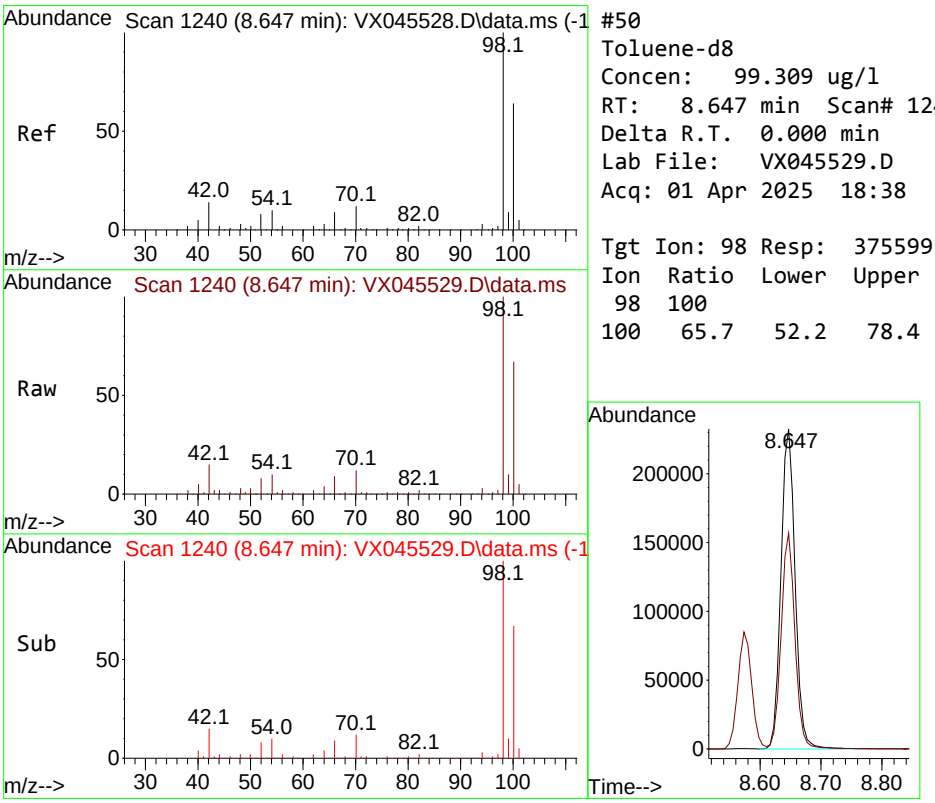
Tgt Ion: 88 Resp: 5262

Ion	Ratio	Lower	Upper
88	100		
43	42.4	32.2	48.4
58	75.5	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

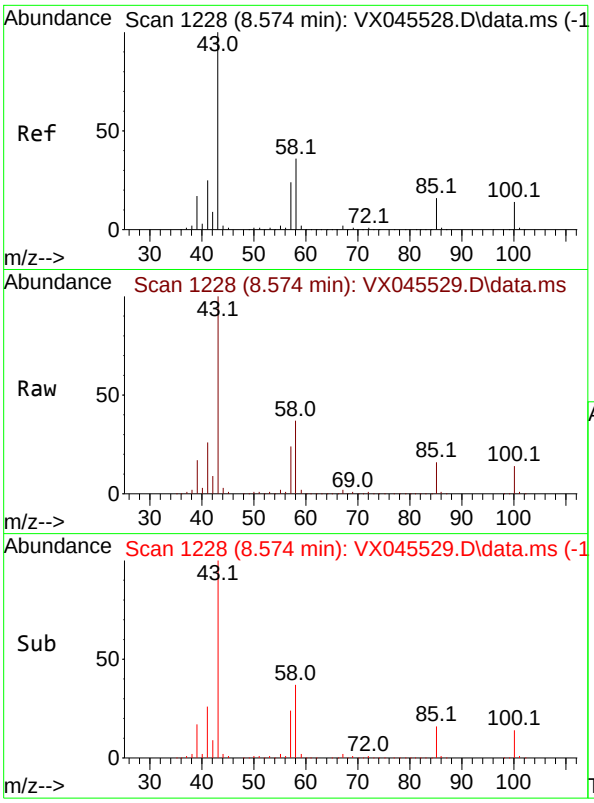
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#50
Toluene-d8
Concen: 99.309 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 98 Resp: 375599

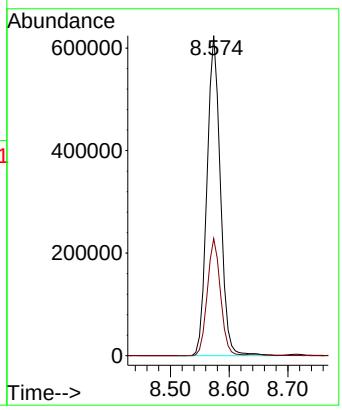
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.4



#51
4-Methyl-2-Pentanone
Concen: 533.814 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 98888

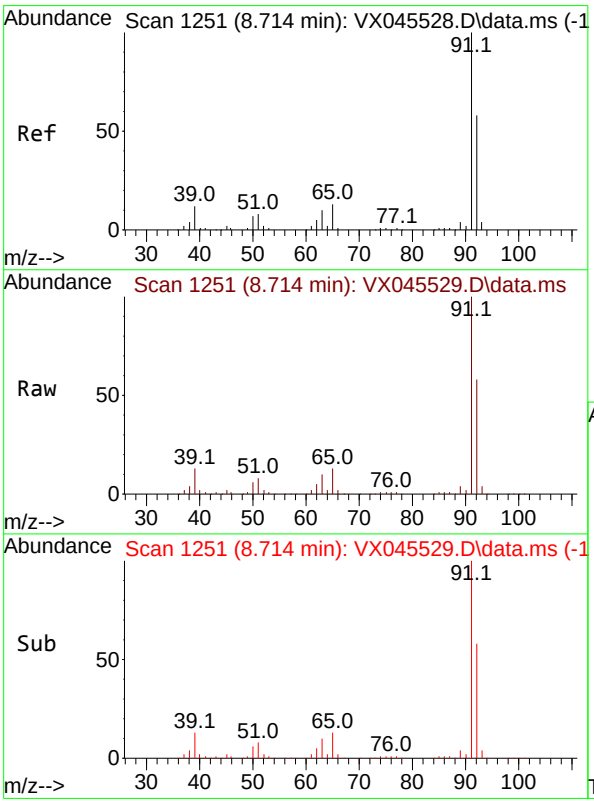
Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

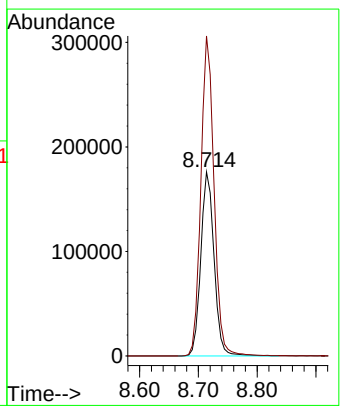
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

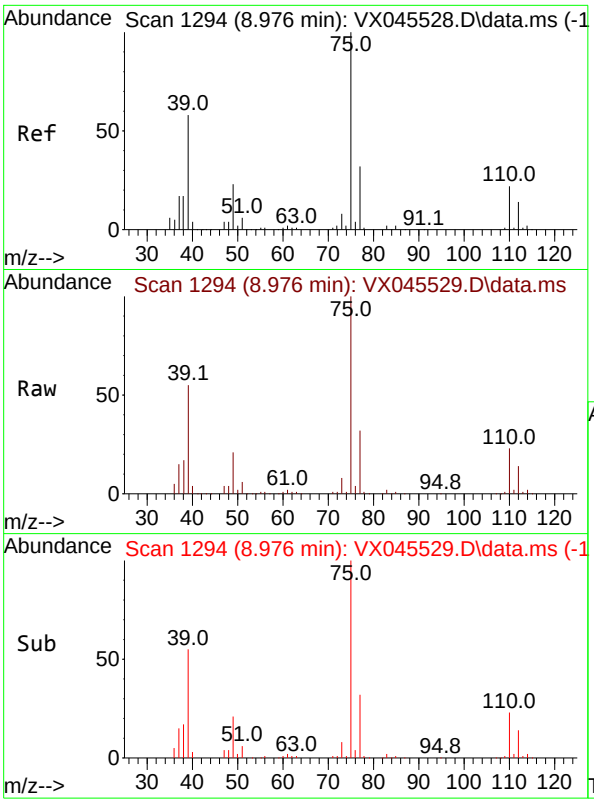


#52
Toluene
Concen: 102.199 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 92 Resp: 276323

Ion	Ratio	Lower	Upper
92	100		
91	172.5	138.7	208.1

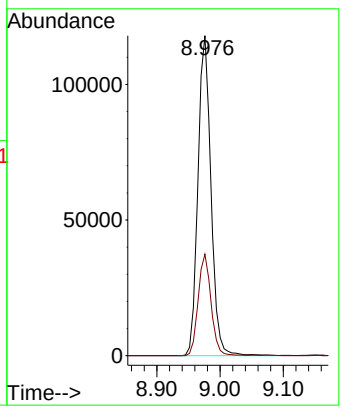




#53
t-1,3-Dichloropropene
Concen: 100.645 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 16941

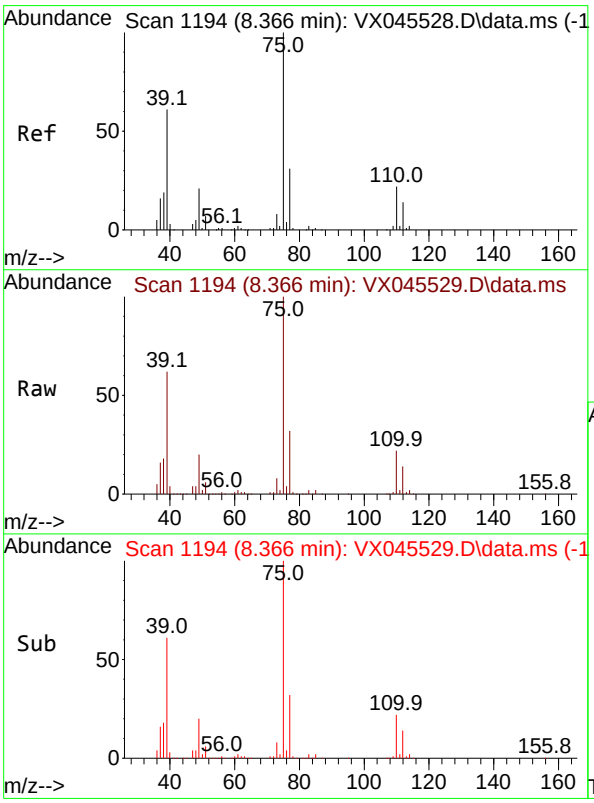
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

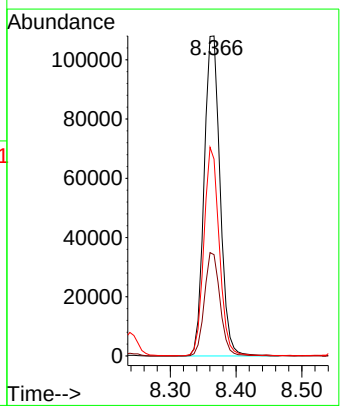
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

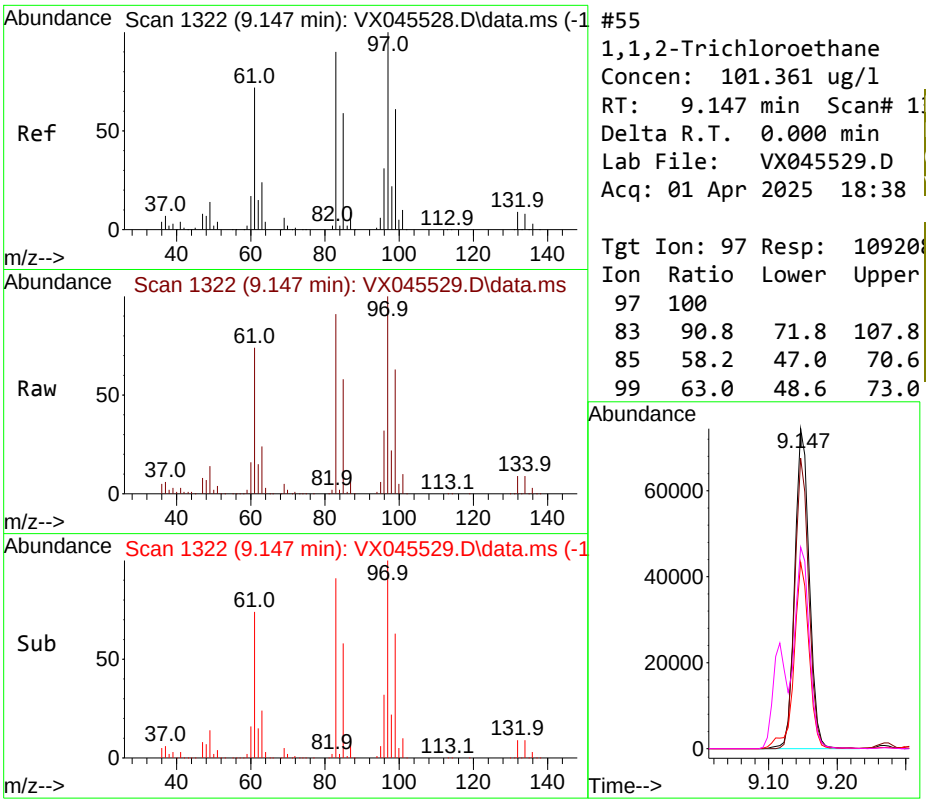


#54
cis-1,3-Dichloropropene
Concen: 113.521 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 182328

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8
39	61.4	48.4	72.6





#55
1,1,2-Trichloroethane
Concen: 101.361 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

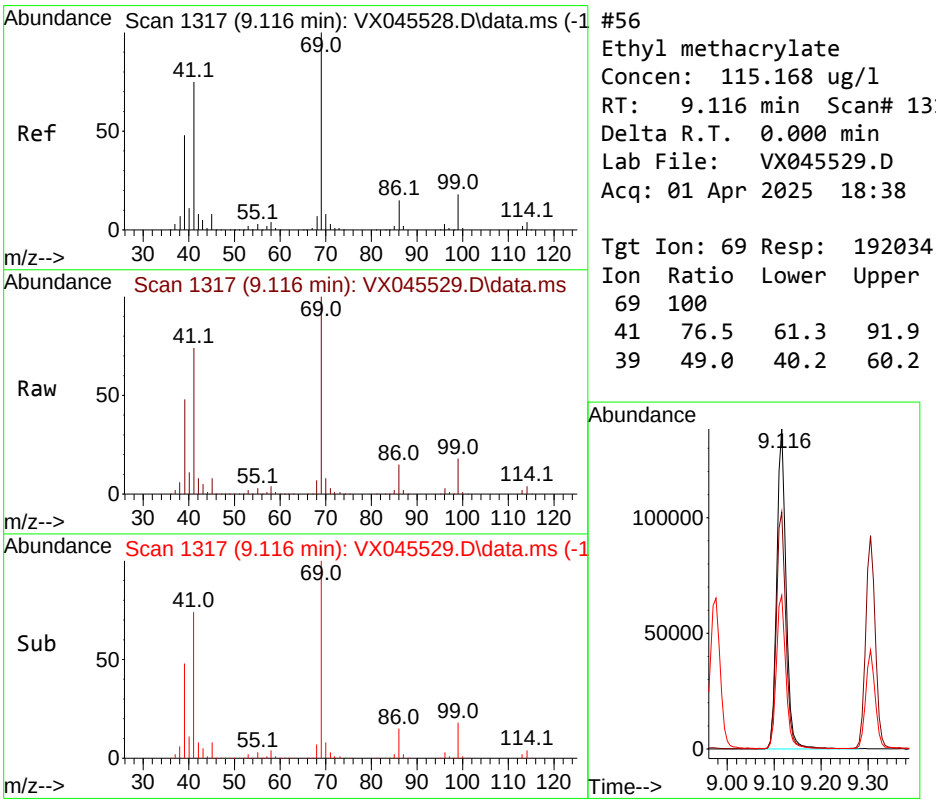
Tgt Ion: 97 Resp: 10920

Ion	Ratio	Lower	Upper
97	100		
83	90.8	71.8	107.8
85	58.2	47.0	70.6
99	63.0	48.6	73.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

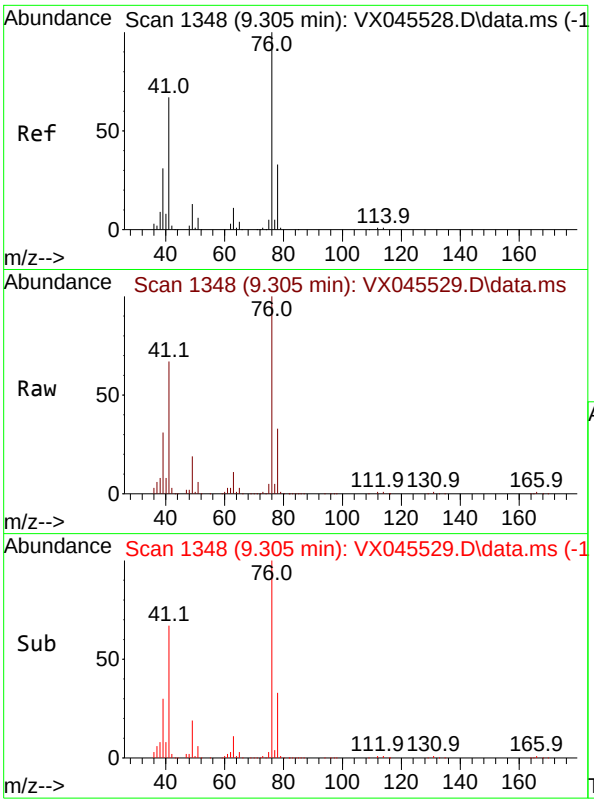
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#56
Ethyl methacrylate
Concen: 115.168 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 69 Resp: 192034

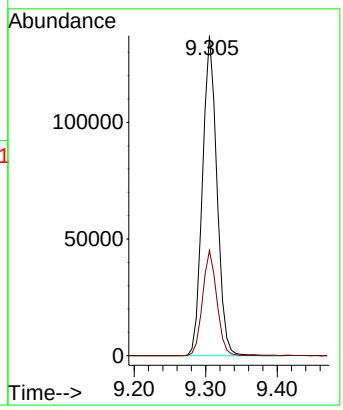
Ion	Ratio	Lower	Upper
69	100		
41	76.5	61.3	91.9
39	49.0	40.2	60.2



#57
1,3-Dichloropropane
Concen: 102.588 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 76 Resp: 19247

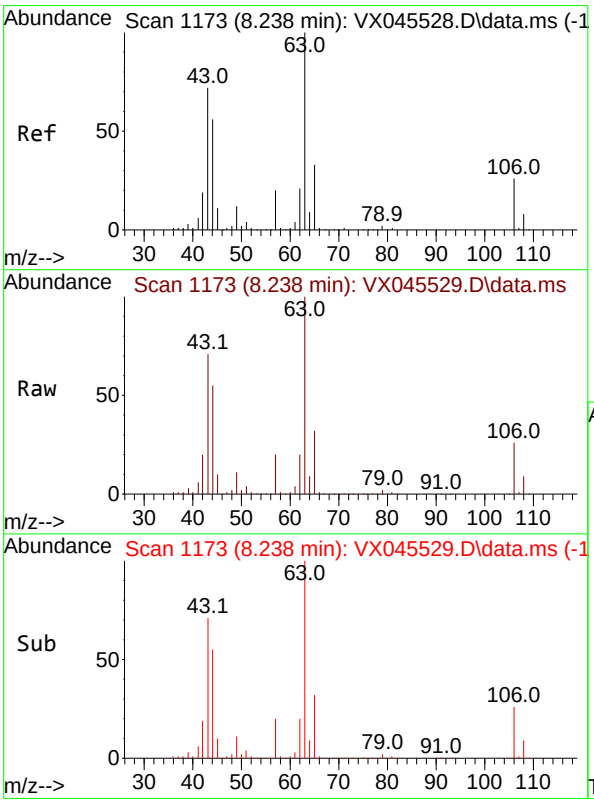
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

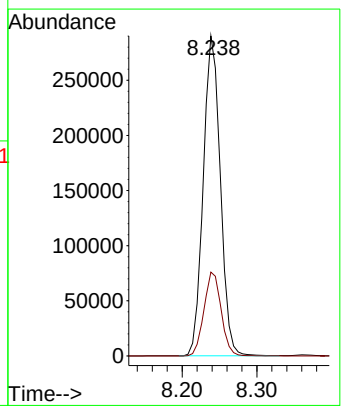
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

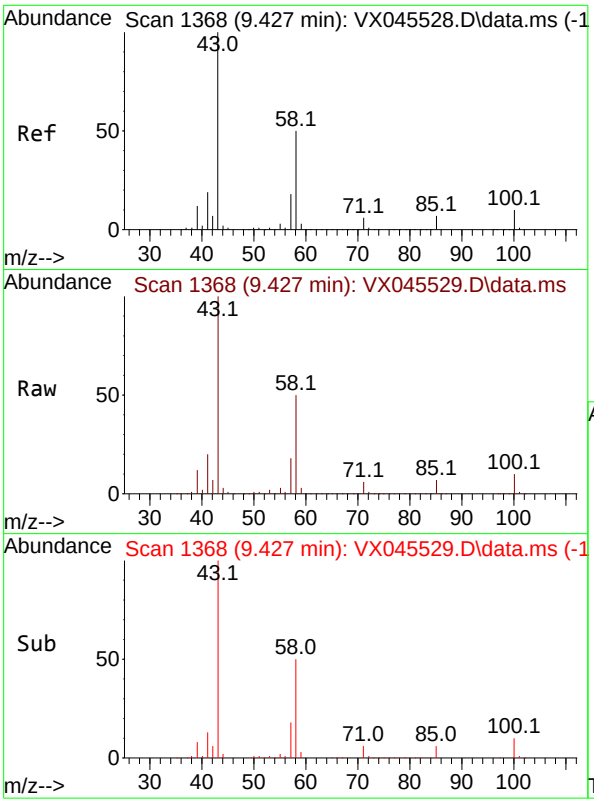


#58
2-Chloroethyl Vinyl ether
Concen: 545.696 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 63 Resp: 460297

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.0	31.6

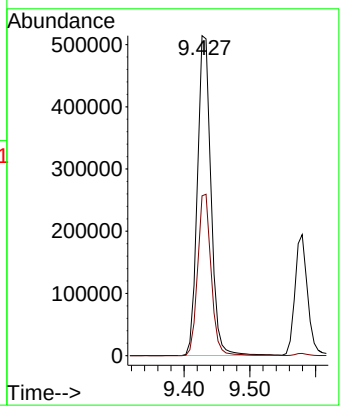




#59
2-Hexanone
Concen: 538.538 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 73877

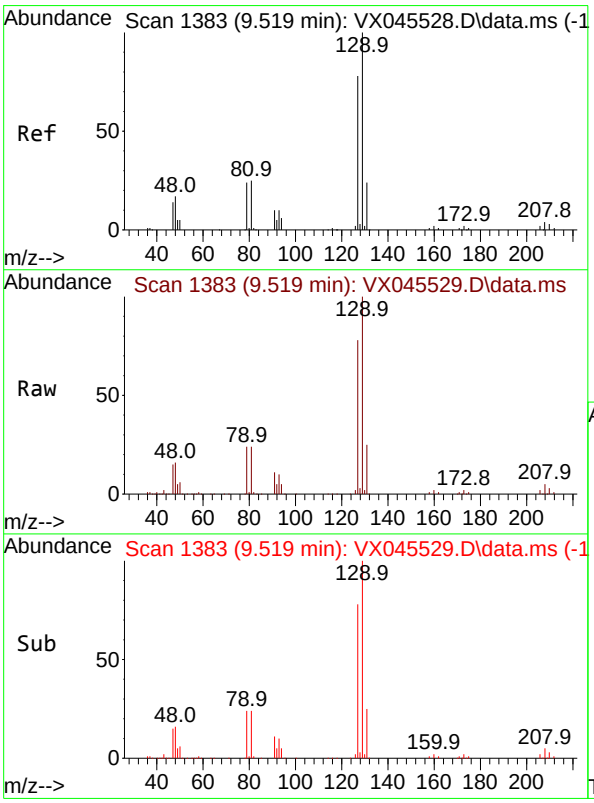
Ion	Ratio	Lower	Upper
43	100		
58	50.3	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

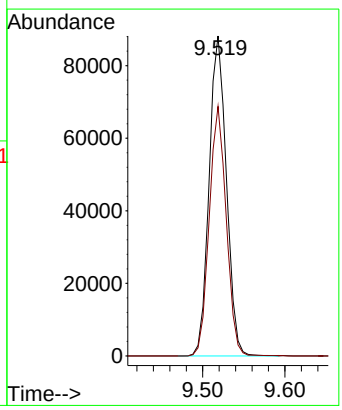
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

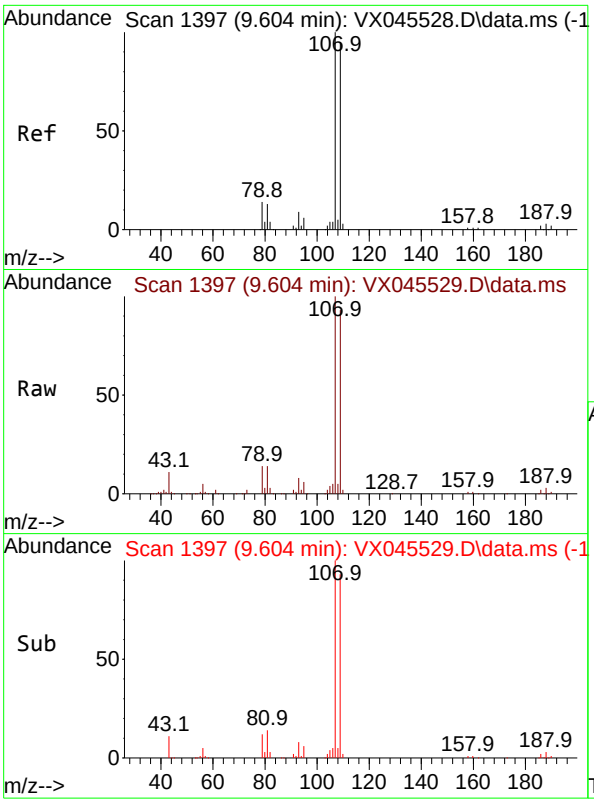


#60
Dibromochloromethane
Concen: 109.570 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:129 Resp: 128700

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.4	118.2

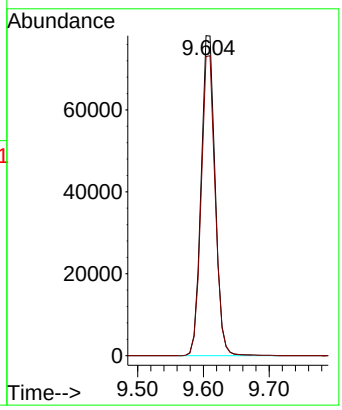




#61
1,2-Dibromoethane
Concen: 106.282 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:107 Resp: 11591

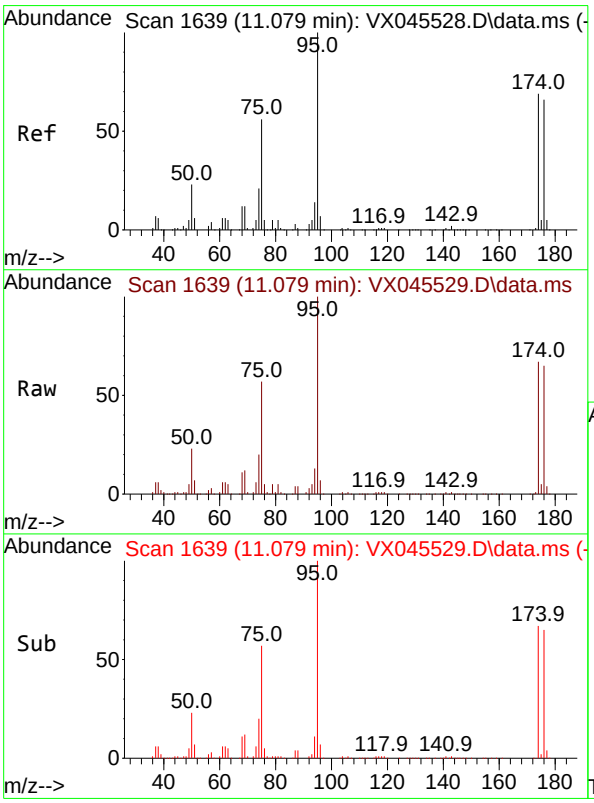
Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

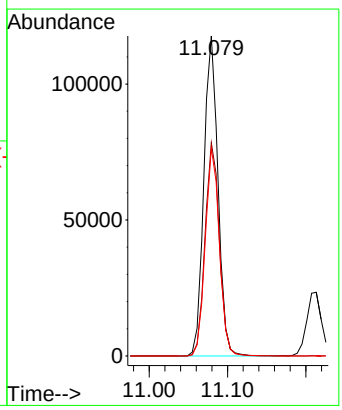
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

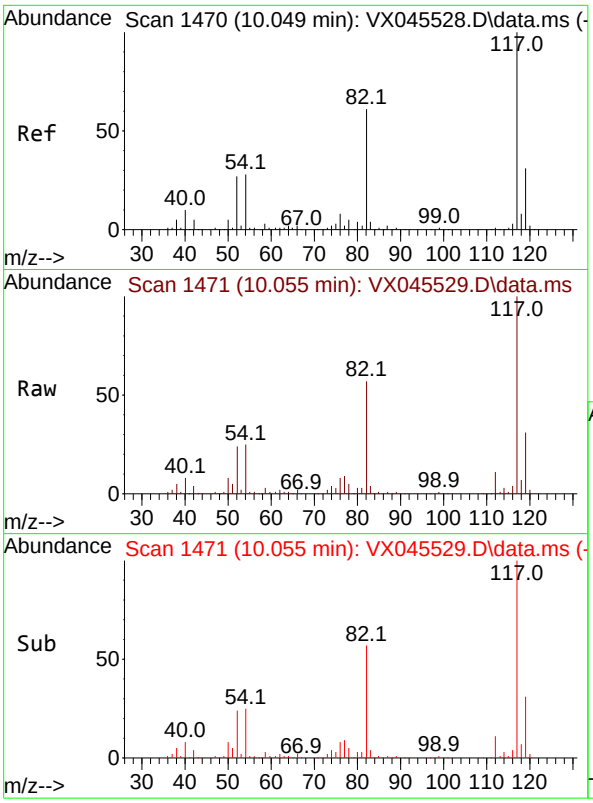


#62
4-Bromofluorobenzene
Concen: 106.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 95 Resp: 146944

Ion	Ratio	Lower	Upper
95	100		
174	67.8	0.0	135.8
176	64.7	0.0	131.4

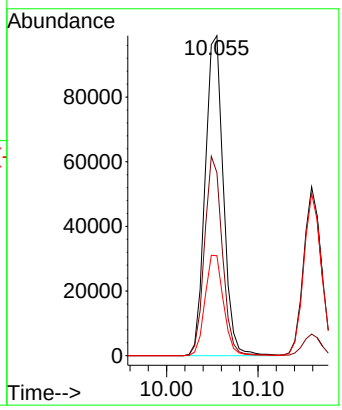




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:117 Resp: 13636

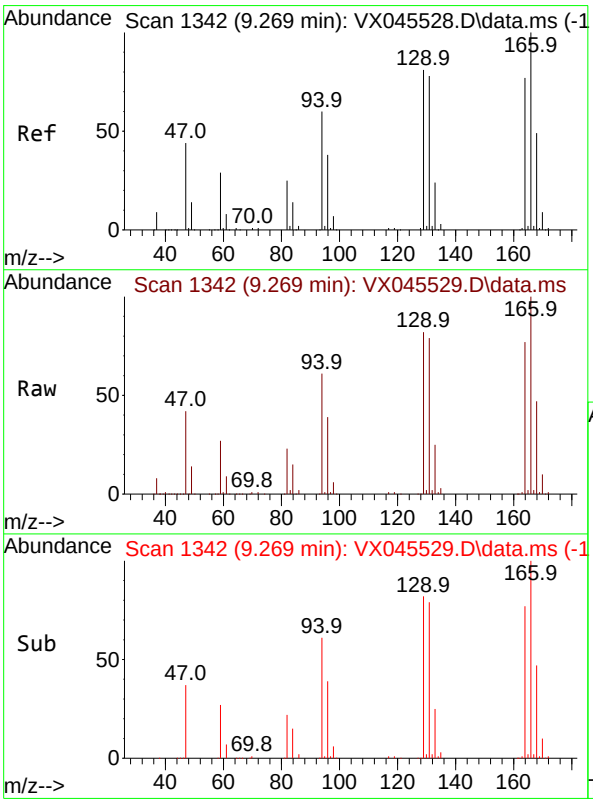
Ion	Ratio	Lower	Upper
117	100		
82	57.2	49.2	73.8
119	31.2	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

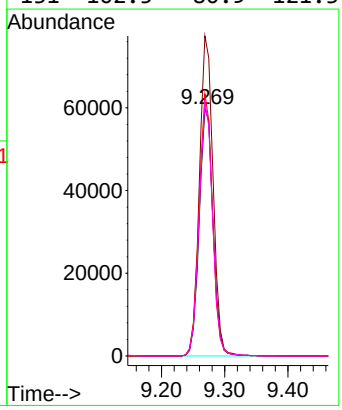
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

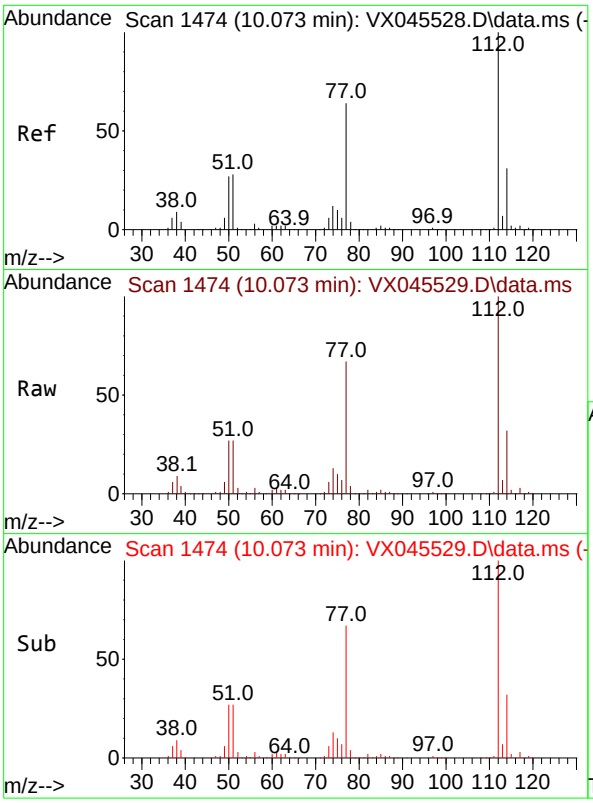


#64
Tetrachloroethene
Concen: 94.325 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:164 Resp: 90817

Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.8	155.8
129	105.9	84.3	126.5
131	102.5	80.9	121.3

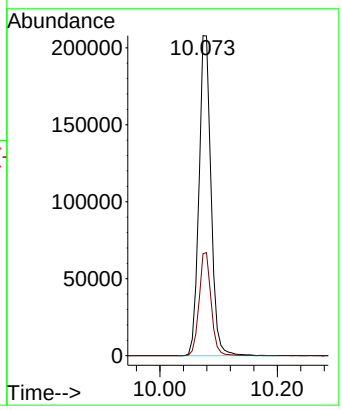




#65
Chlorobenzene
Concen: 101.682 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:112 Resp: 29630

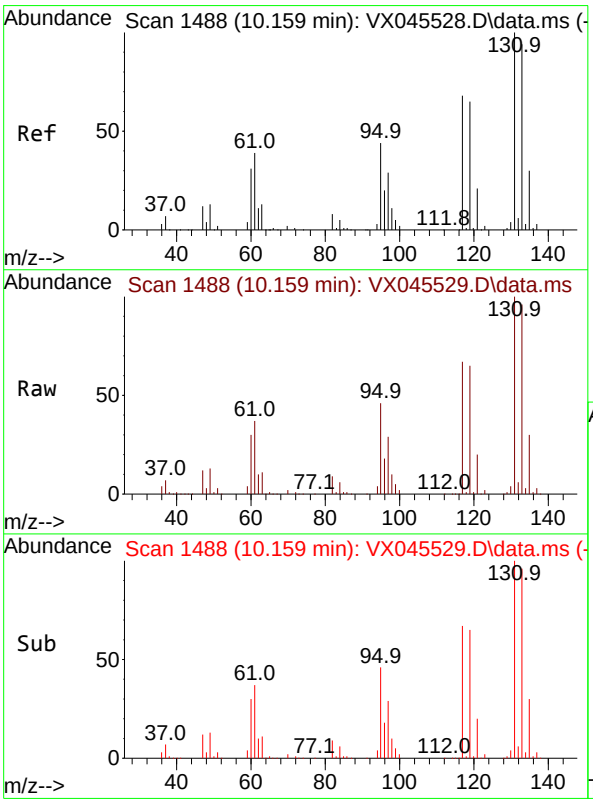
Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

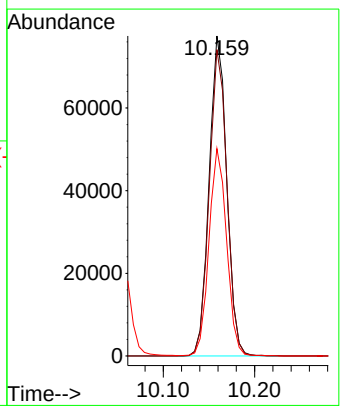
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

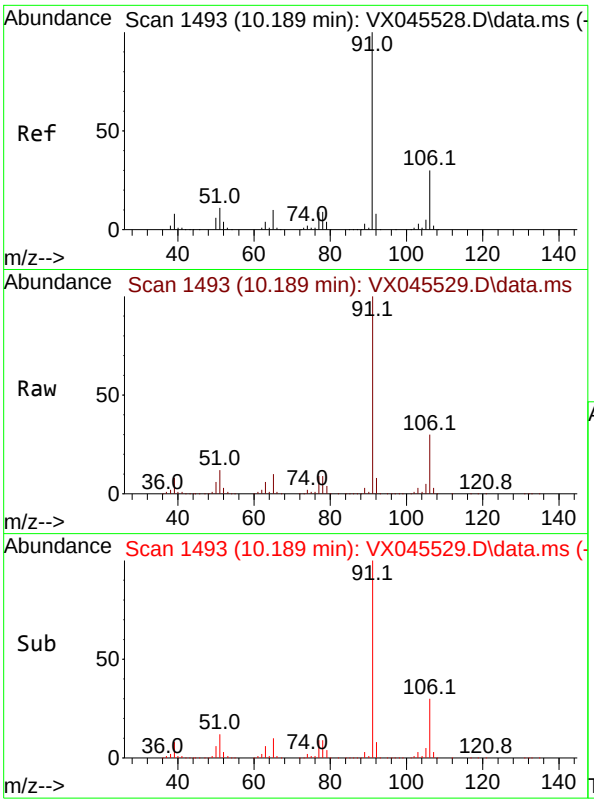


#66
1,1,1,2-Tetrachloroethane
Concen: 102.243 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:131 Resp: 103437

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.5	142.5
119	65.0	32.9	98.6

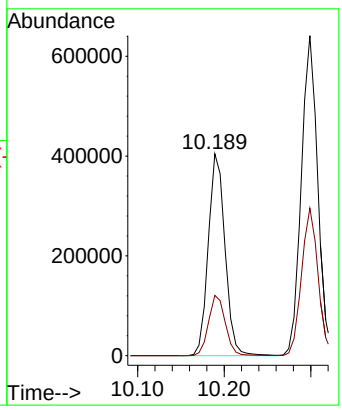




#67
Ethyl Benzene
Concen: 104.152 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 91 Resp: 54356

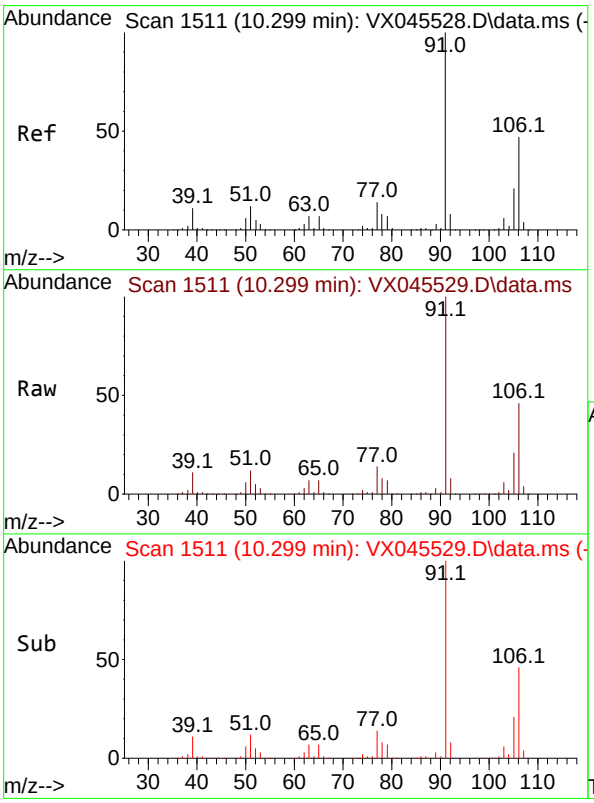
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

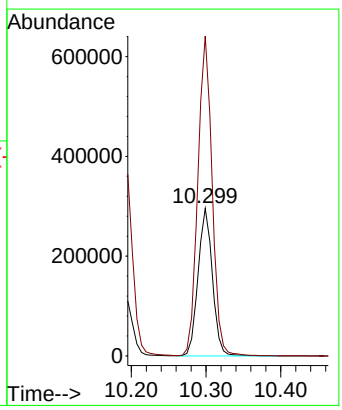
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

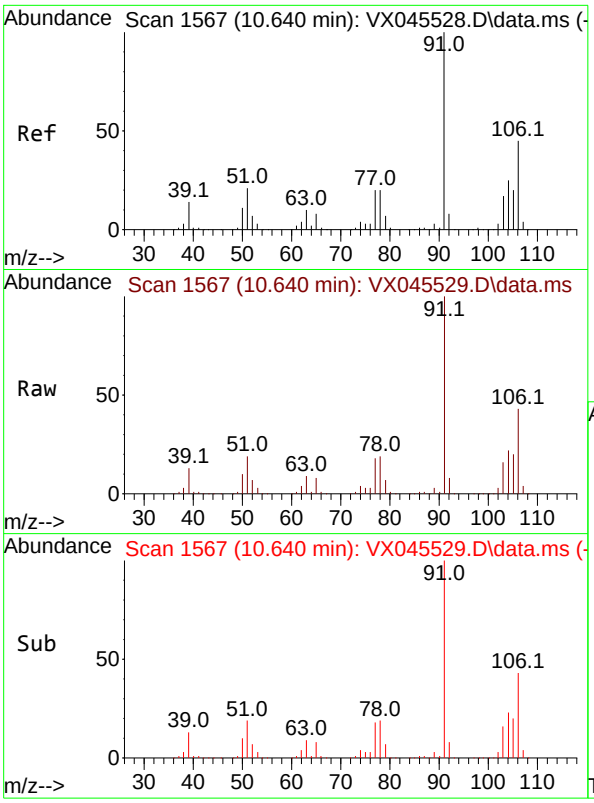


#68
m/p-Xylenes
Concen: 207.694 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:106 Resp: 394241

Ion	Ratio	Lower	Upper
106	100		
91	216.1	172.6	258.8

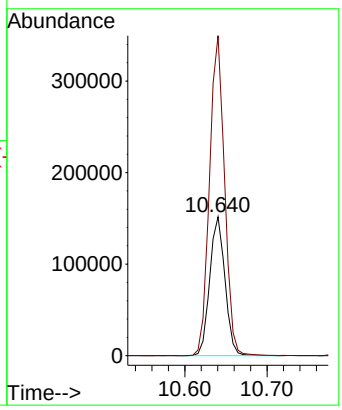




#69
o-Xylene
Concen: 104.487 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:106 Resp: 19538

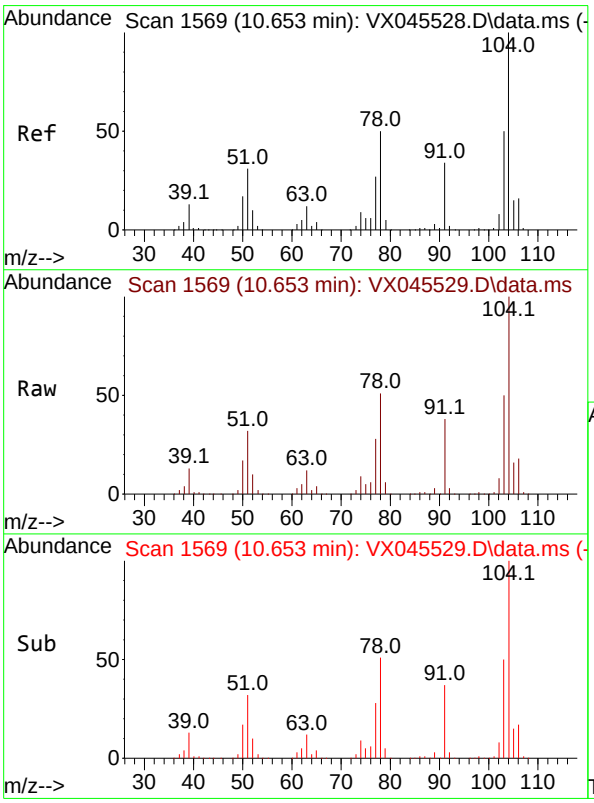
Ion	Ratio	Lower	Upper
106	100		
91	228.0	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

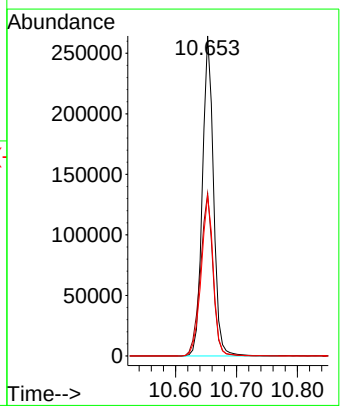
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

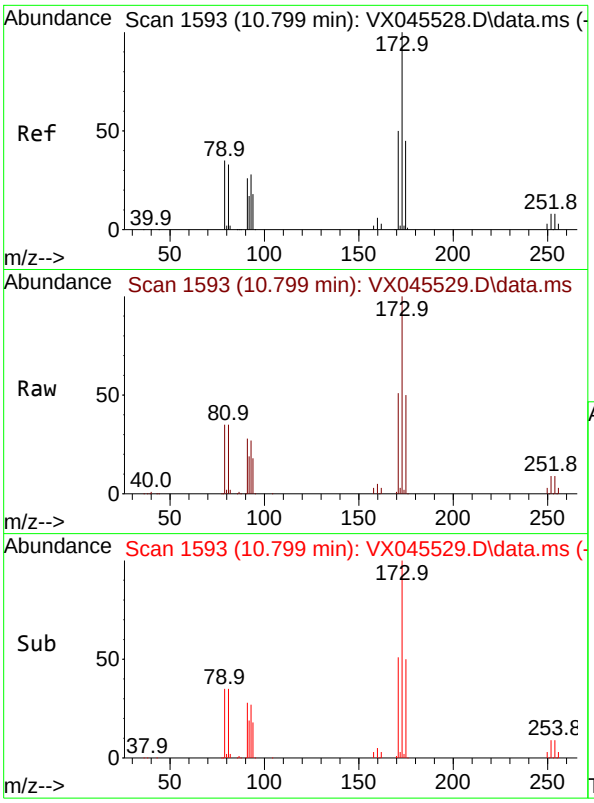


#70
Styrene
Concen: 108.654 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:104 Resp: 335333

Ion	Ratio	Lower	Upper
104	100		
78	57.0	45.4	68.2
103	54.7	43.8	65.8

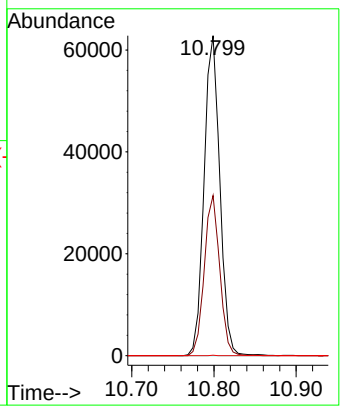




#71
Bromoform
Concen: 110.714 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:173 Resp: 8363

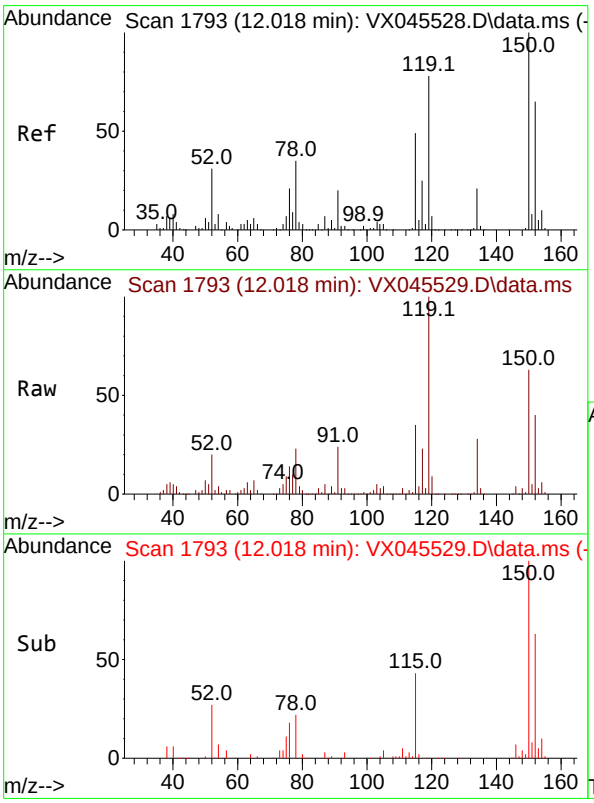
Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

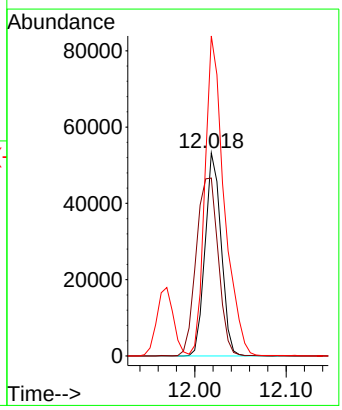
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

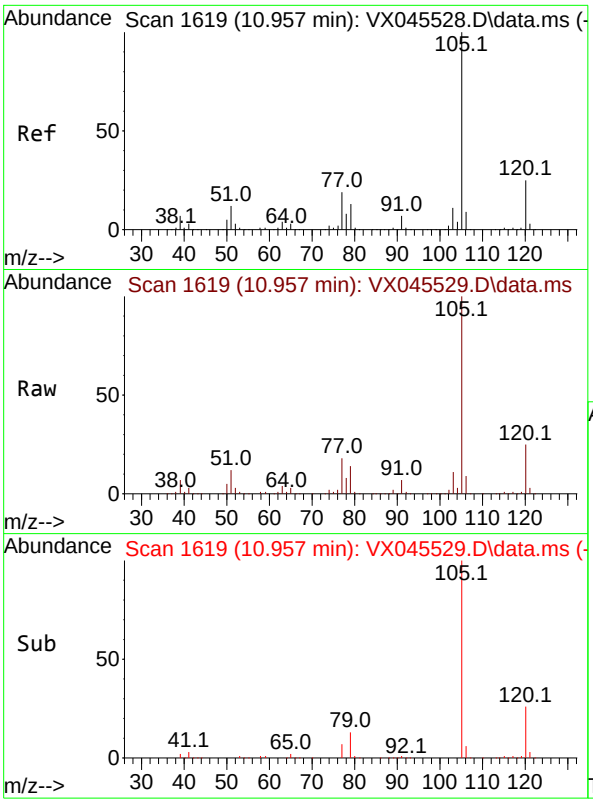


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:152 Resp: 64612

Ion	Ratio	Lower	Upper
152	100		
115	121.0	46.9	140.7
150	188.4	0.0	349.4

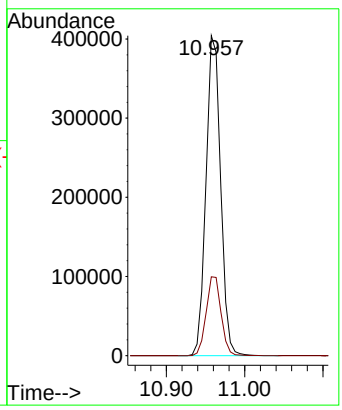




#73
Isopropylbenzene
Concen: 100.944 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:105 Resp: 52243

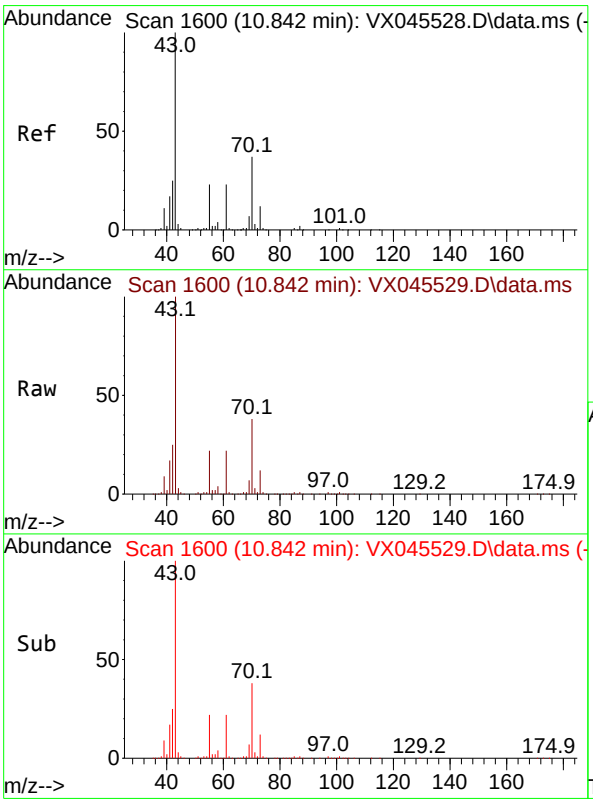
Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

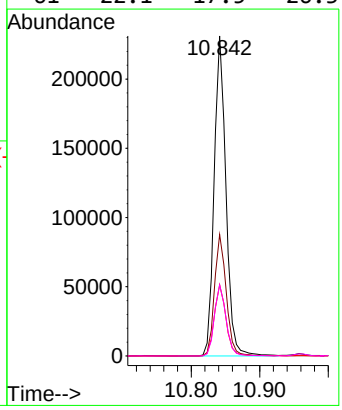
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

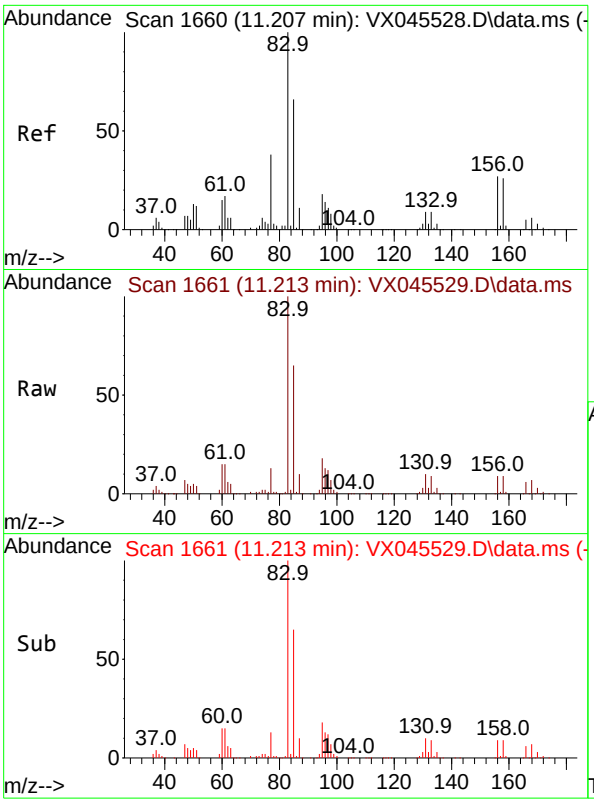


#74
N-amyl acetate
Concen: 111.267 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 275462

Ion	Ratio	Lower	Upper
43	100		
70	38.1	30.1	45.1
55	22.4	18.3	27.5
61	22.1	17.5	26.3

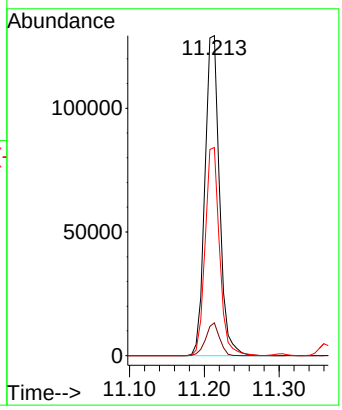




#75
1,1,2,2-Tetrachloroethane
Concen: 96.243 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 83 Resp: 17497

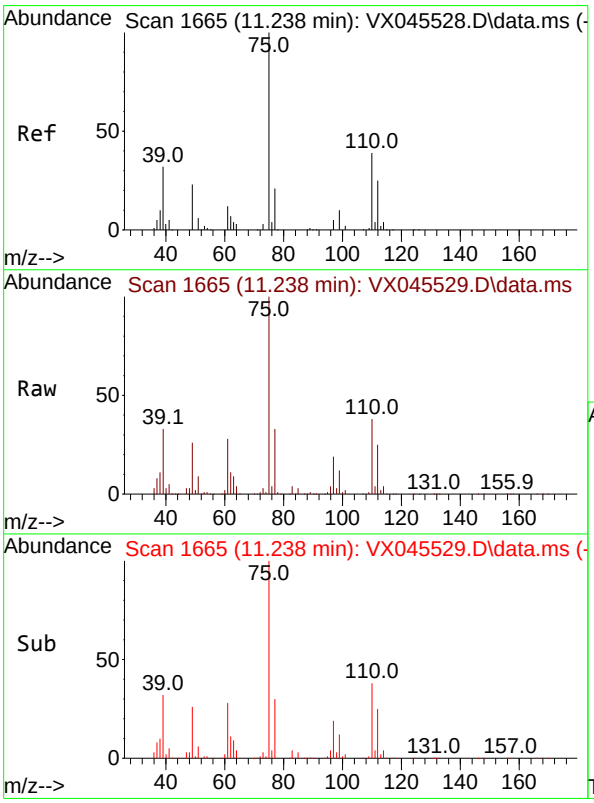
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.1
85	64.3	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

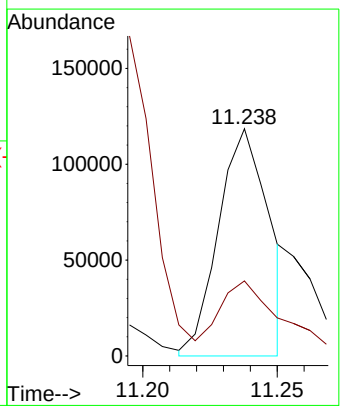
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

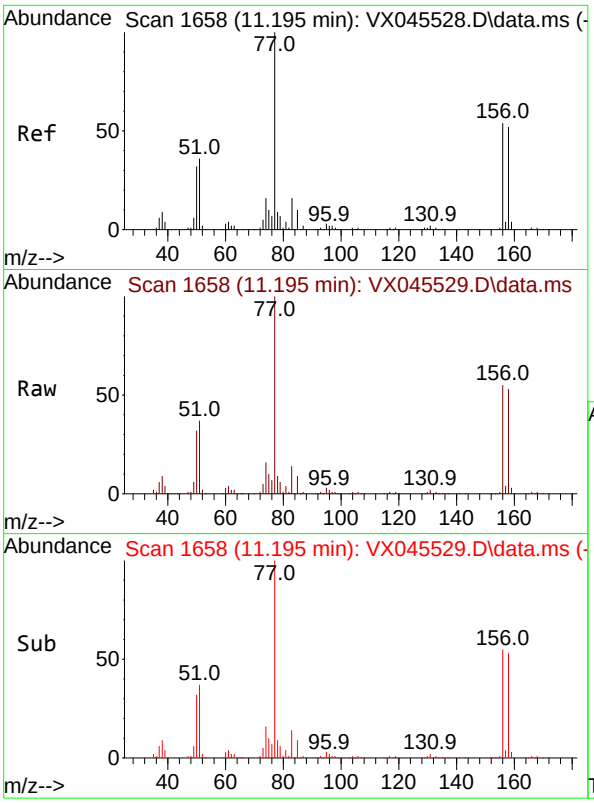


#76
1,2,3-Trichloropropane
Concen: 97.744 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 154048

Ion	Ratio	Lower	Upper
75	100		
77	41.8	20.0	59.9

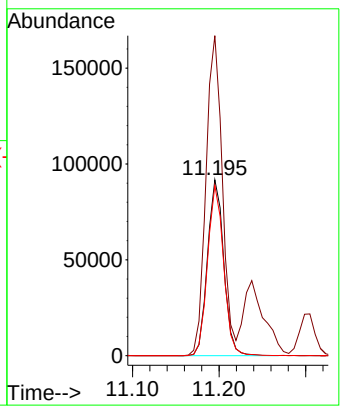




#77
Bromobenzene
Concen: 99.983 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:156 Resp: 11956

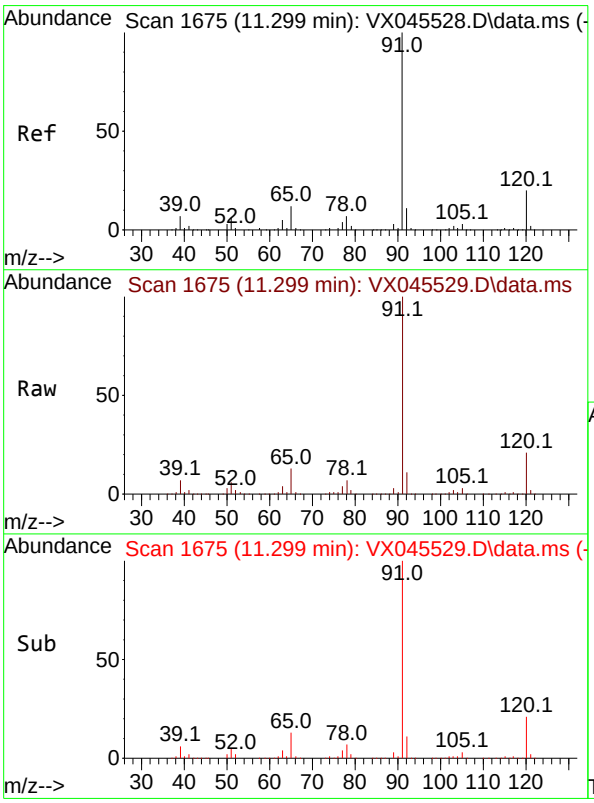
Ion	Ratio	Lower	Upper
156	100		
77	183.4	92.6	277.8
158	95.9	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

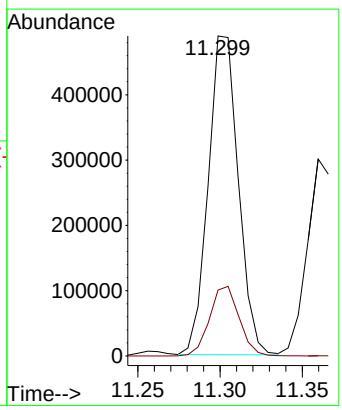
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

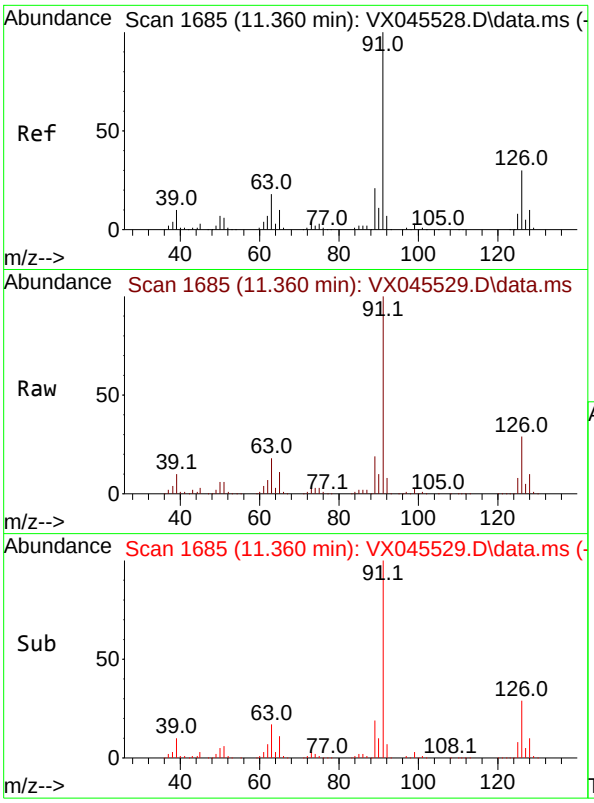


#78
n-propylbenzene
Concen: 104.454 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 91 Resp: 622679

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





#79
2-Chlorotoluene
Concen: 98.840 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

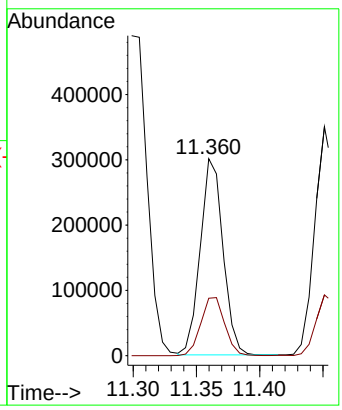
Tgt Ion: 91 Resp: 37668

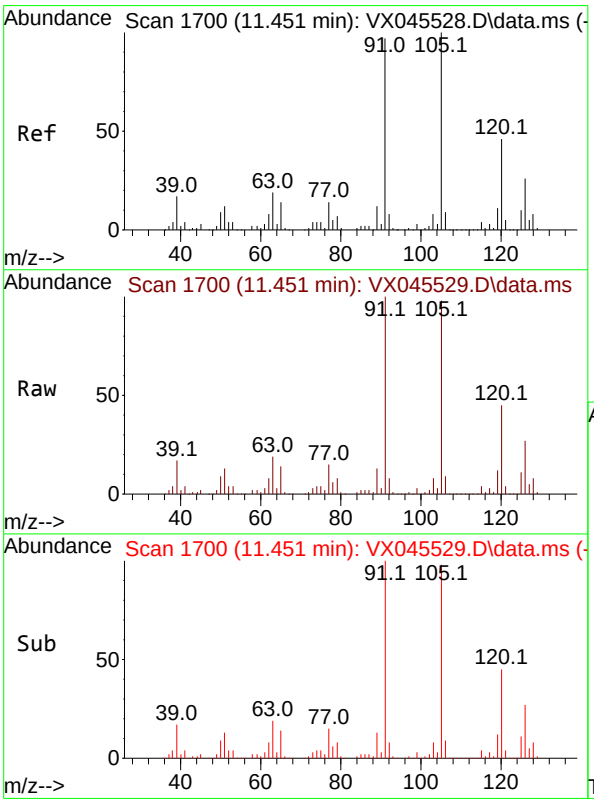
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

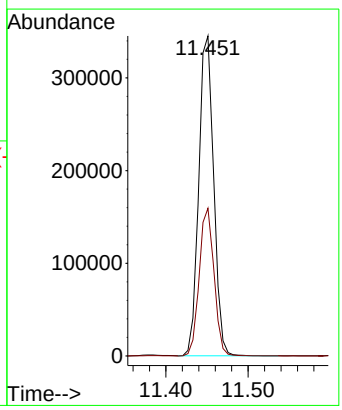


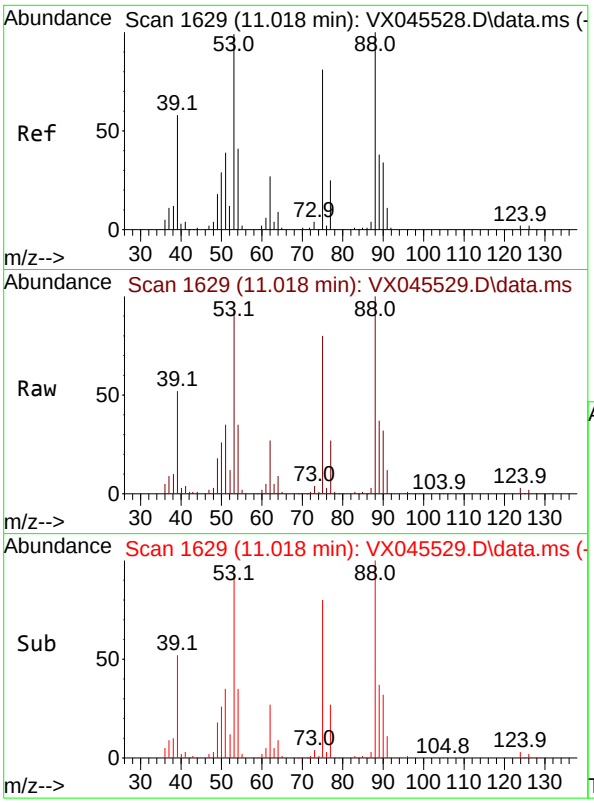


#80
1,3,5-Trimethylbenzene
Concen: 101.675 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:105 Resp: 435137

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 111.704 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

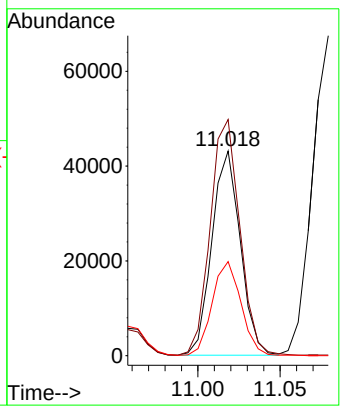
Tgt Ion: 75 Resp: 5187

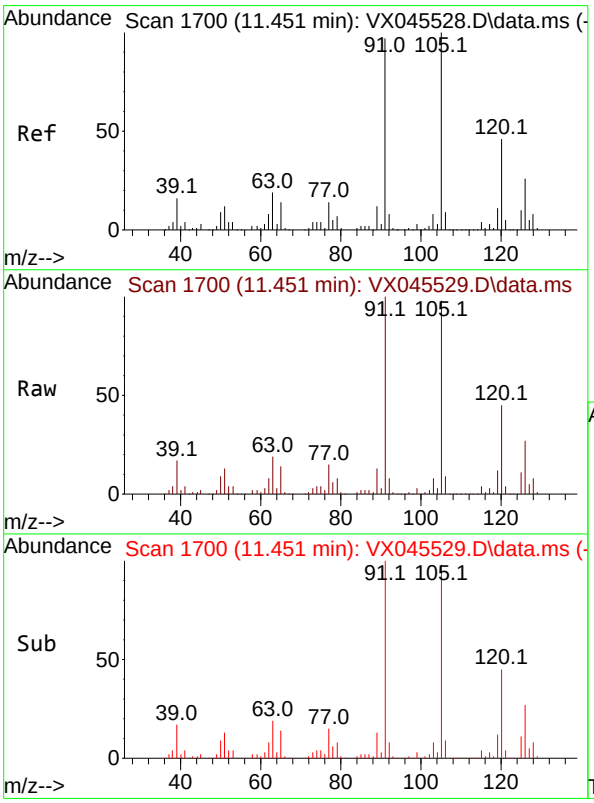
Ion	Ratio	Lower	Upper
75	100		
53	119.5	101.8	152.6
89	46.9	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

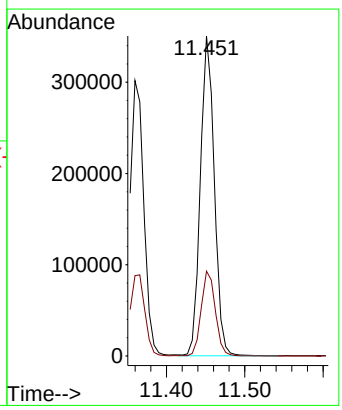


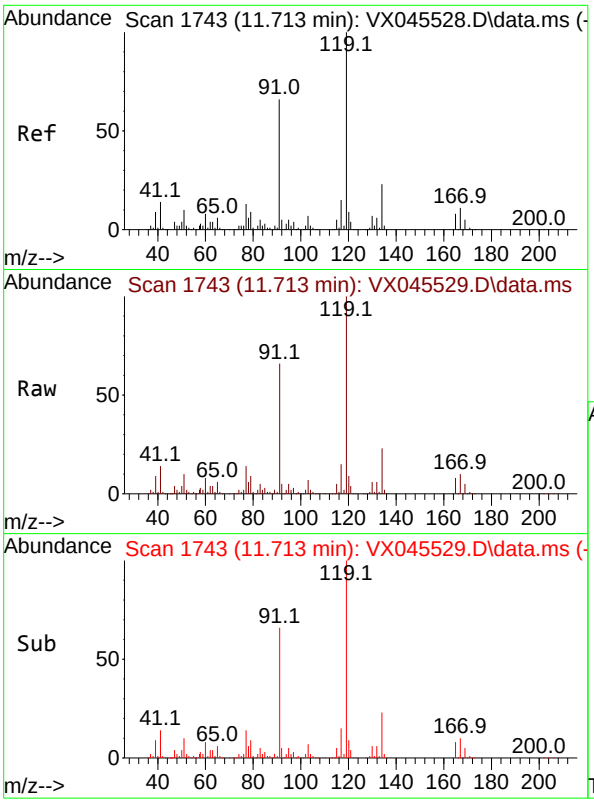


#82
4-Chlorotoluene
Concen: 101.877 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 91 Resp: 432884

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.9

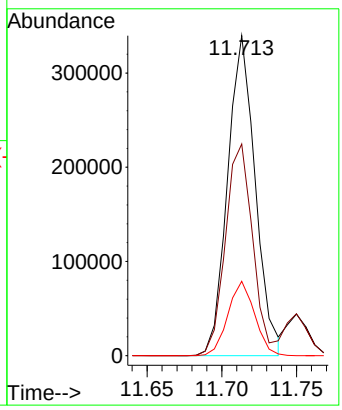




#83
tert-Butylbenzene
Concen: 103.292 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:119 Resp: 43764

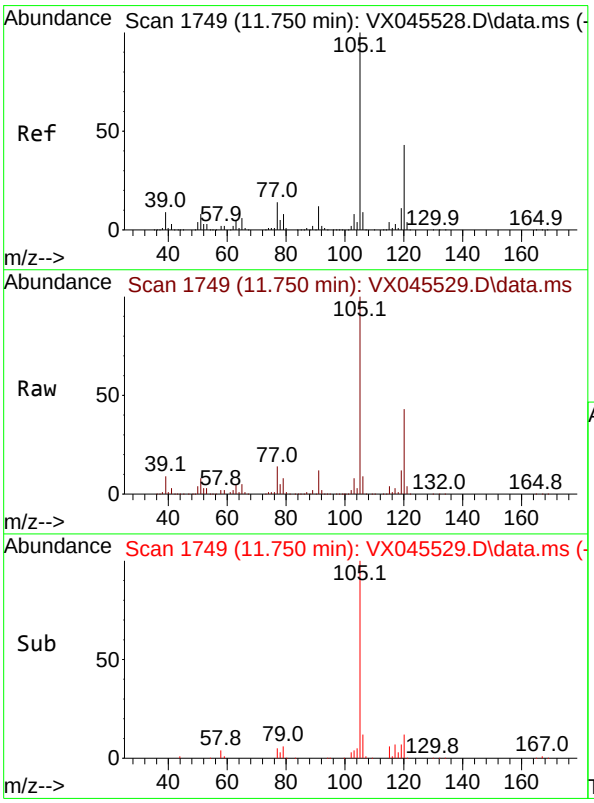
Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.4	97.2
134	22.4	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

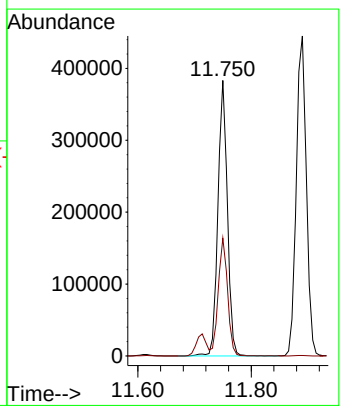
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

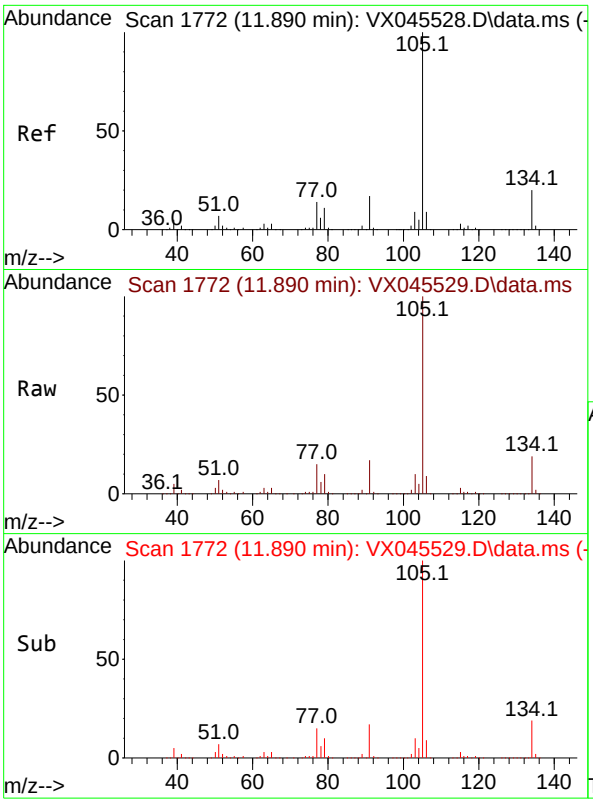


#84
1,2,4-Trimethylbenzene
Concen: 103.414 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:105 Resp: 444211

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.4	64.3

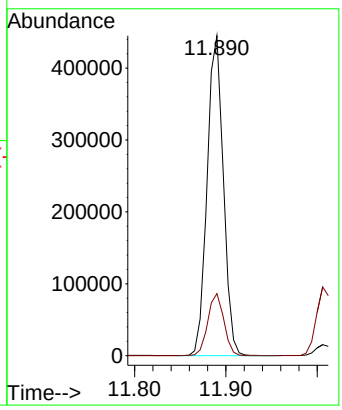




#85
sec-Butylbenzene
Concen: 105.082 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:105 Resp: 54685

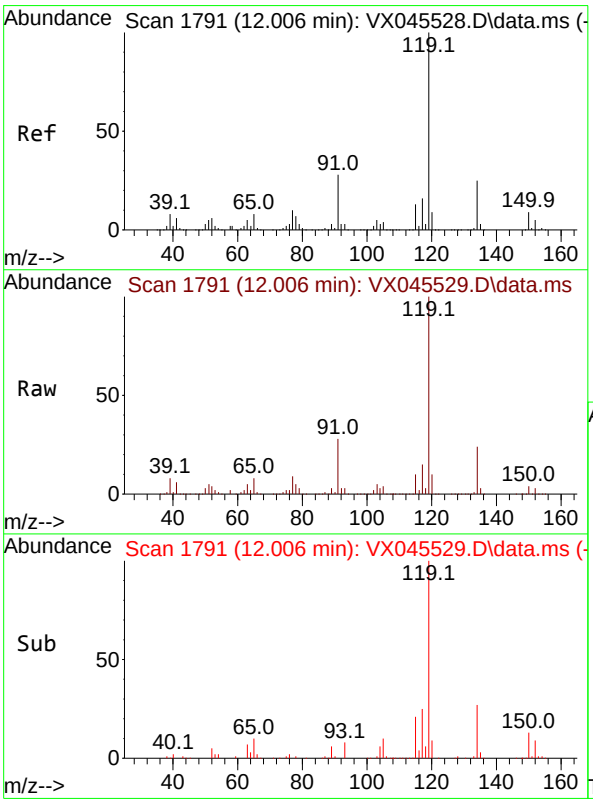
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

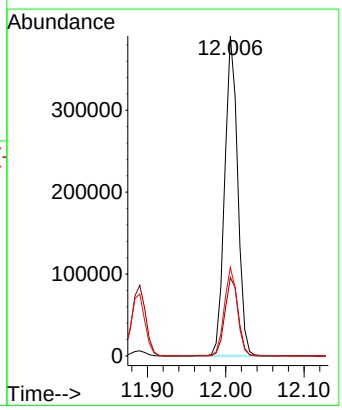
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

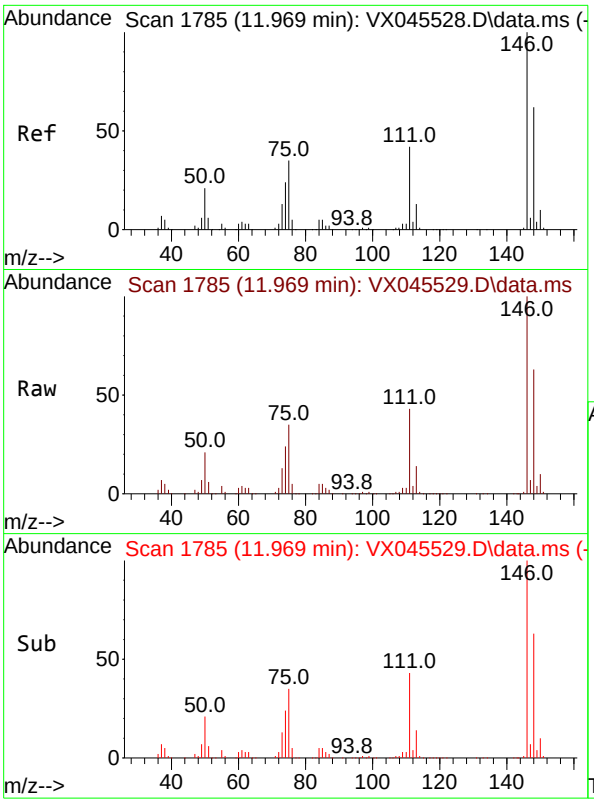


#86
p-Isopropyltoluene
Concen: 105.609 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:119 Resp: 453109

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	27.4	13.7	41.1

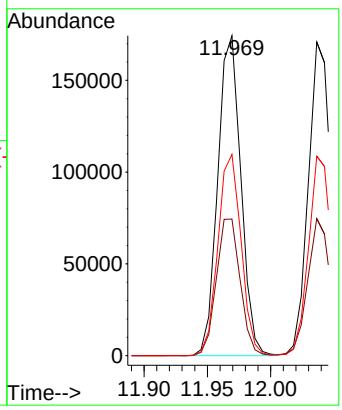




#87
1,3-Dichlorobenzene
Concen: 101.749 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:146 Resp: 22148

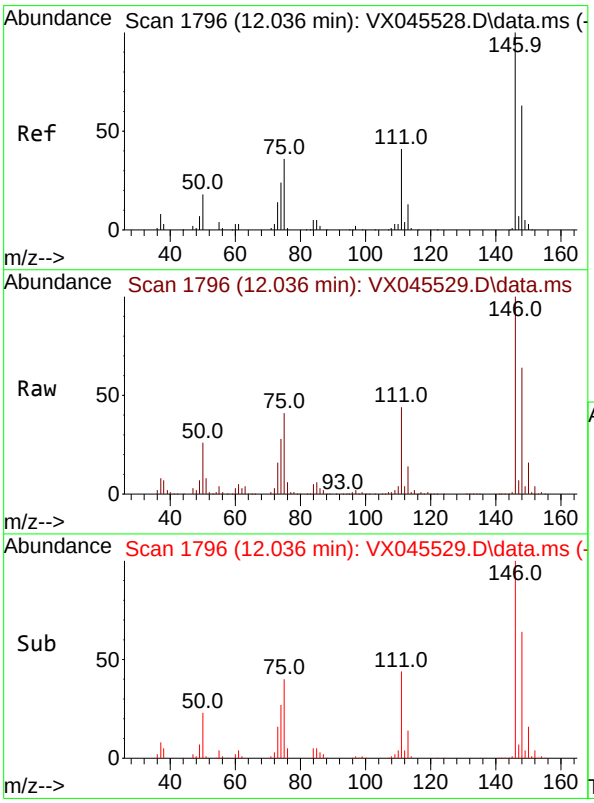
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	63.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

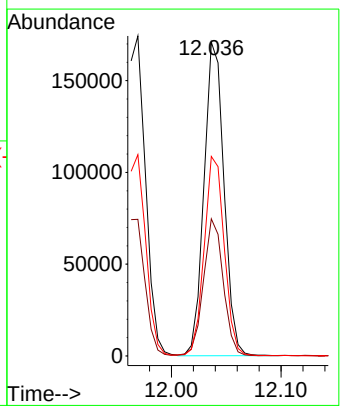
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

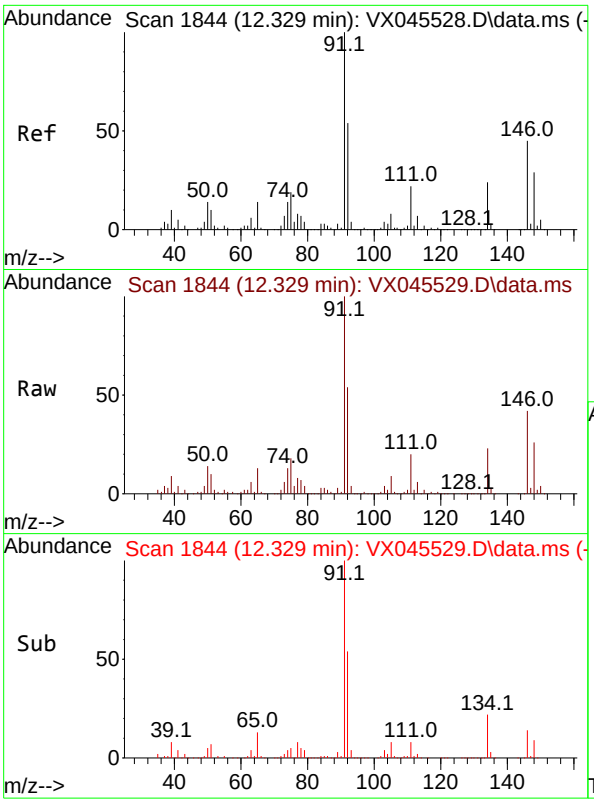


#88
1,4-Dichlorobenzene
Concen: 98.047 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:146 Resp: 216367

Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.9	62.8
148	64.0	31.5	94.5

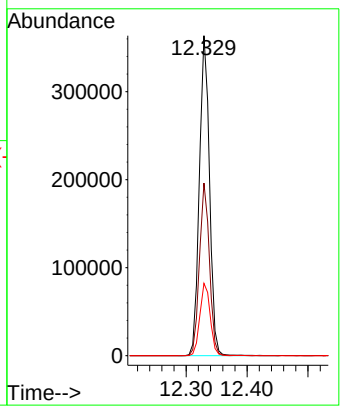




#89
n-Butylbenzene
Concen: 113.075 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 91 Resp: 42069

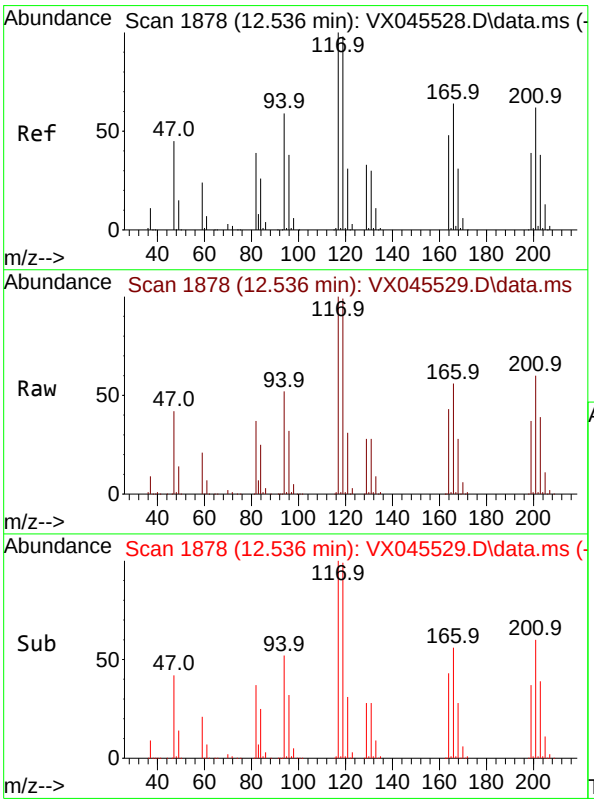
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.9	80.6
134	23.1	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

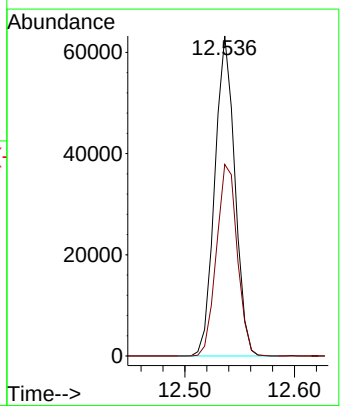
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

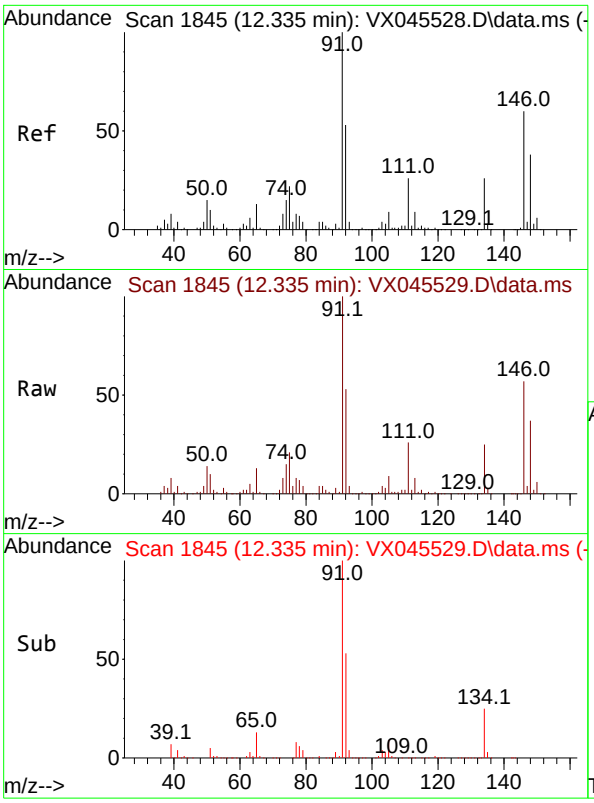


#90
Hexachloroethane
Concen: 109.160 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:117 Resp: 80489

Ion	Ratio	Lower	Upper
117	100		
201	62.1	31.2	93.6

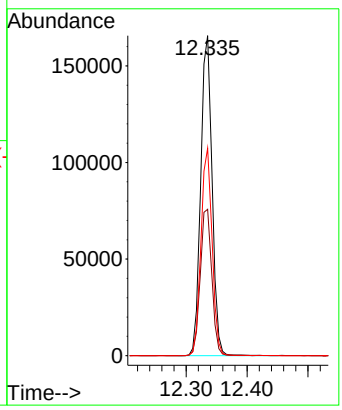




#91
1,2-Dichlorobenzene
Concen: 99.419 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:146 Resp: 21515

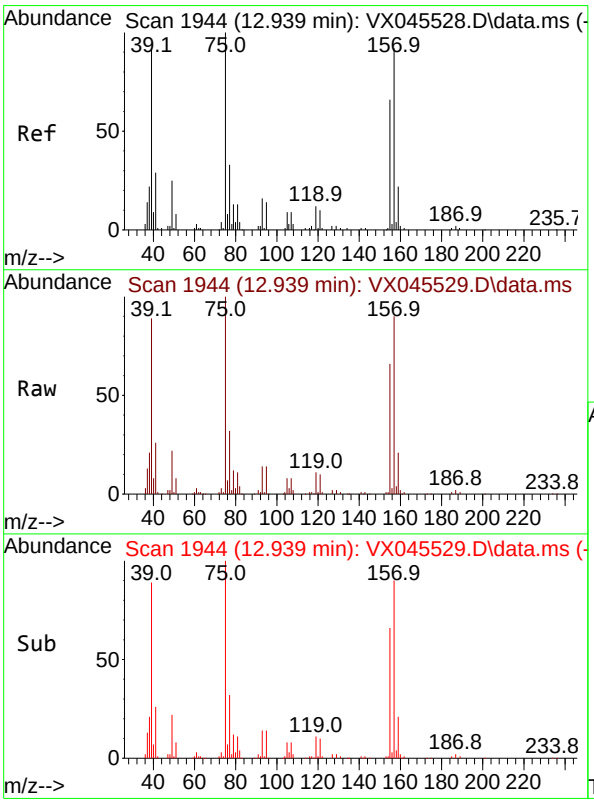
Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.9	68.8
148	63.7	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

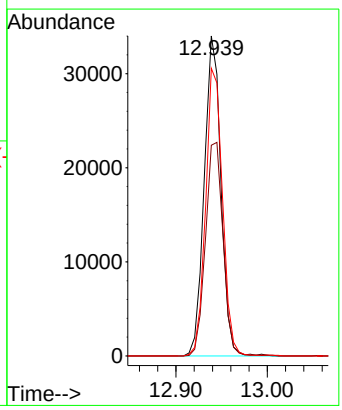
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

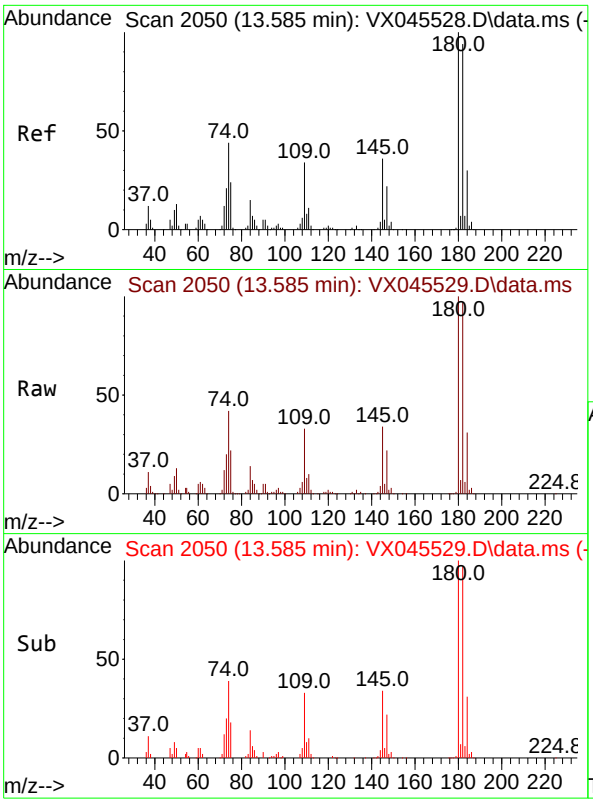


#92
1,2-Dibromo-3-Chloropropane
Concen: 113.214 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 43047

Ion	Ratio	Lower	Upper
75	100		
155	70.2	34.9	104.7
157	90.6	44.9	134.7

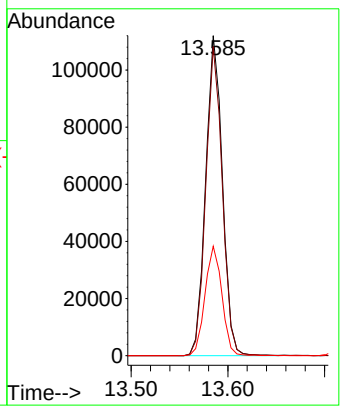




#93
1,2,4-Trichlorobenzene
Concen: 112.106 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:180 Resp: 13504

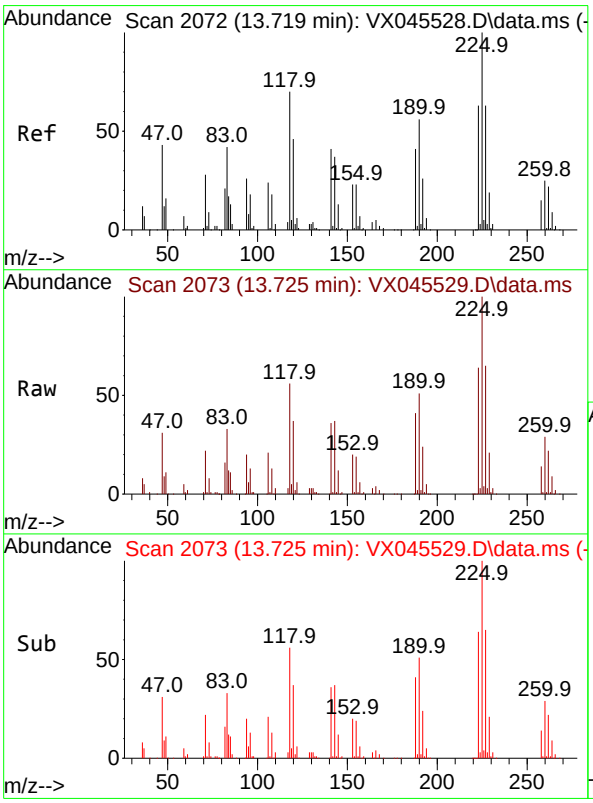
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.6
145	34.6	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

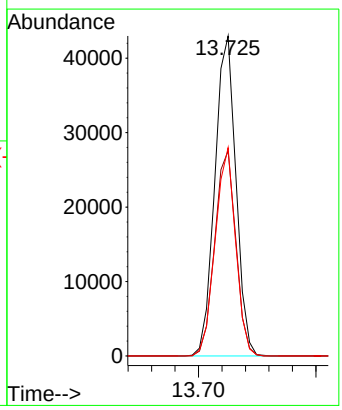
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

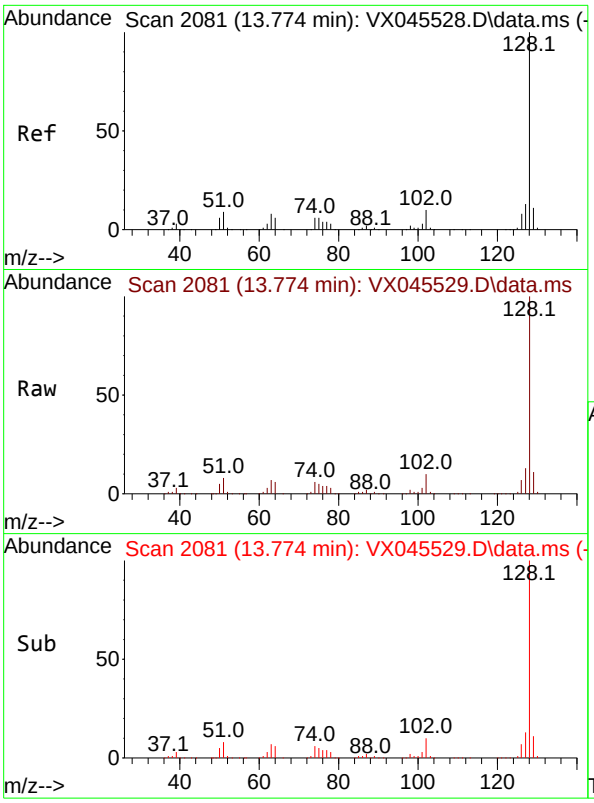


#94
Hexachlorobutadiene
Concen: 103.326 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:225 Resp: 53636

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.1	93.3
227	62.9	32.2	96.6

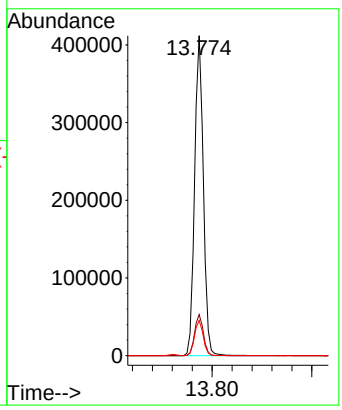




#95
Naphthalene
Concen: 111.473 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:128 Resp: 49971

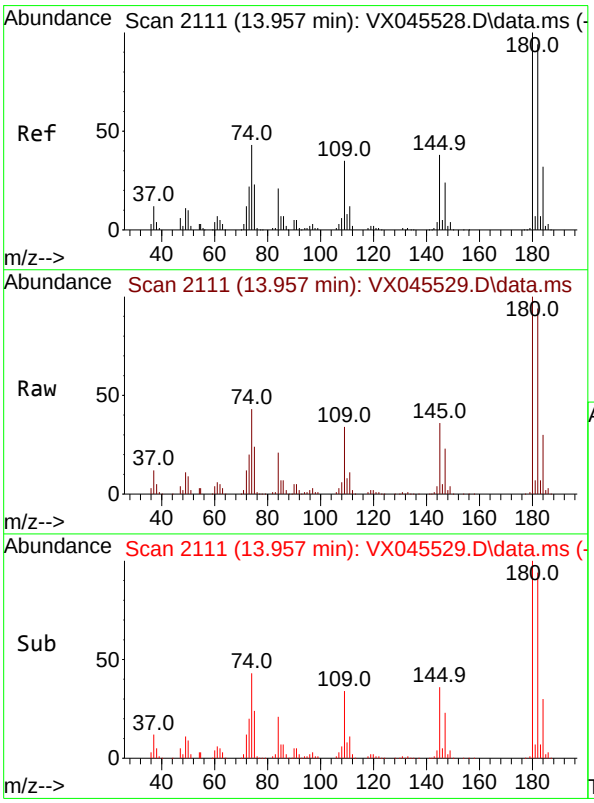
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

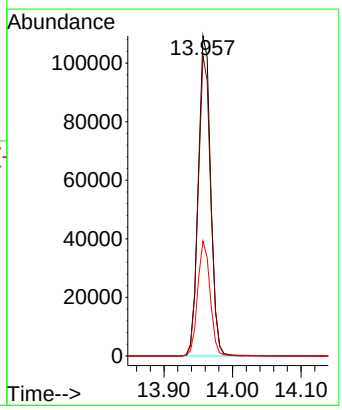
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 108.869 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:180 Resp: 137328

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	36.0	18.2	54.6



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	90033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61380	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	252998	153.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 307.320%#			
35) Dibromofluoromethane	5.379	113	173598	152.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 305.780%#			
50) Toluene-d8	8.647	98	603264	152.216	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 304.440%#			
62) 4-Bromofluorobenzene	11.079	95	220921	153.035	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 306.060%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	221436	164.460	ug/l	100
3) Chloromethane	1.307	50	198321	143.373	ug/l	98
4) Vinyl Chloride	1.374	62	197096	155.697	ug/l	100
5) Bromomethane	1.593	94	88225	146.986	ug/l	97
6) Chloroethane	1.660	64	86251	128.421	ug/l	97
7) Trichlorofluoromethane	1.868	101	267098	141.495	ug/l	100
8) Diethyl Ether	2.136	74	96467	152.215	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	171118	154.698	ug/l	97
10) Methyl Iodide	2.441	142	202594	146.838	ug/l	99
11) Tert butyl alcohol	2.989	59	167769	758.202	ug/l	100
12) 1,1-Dichloroethene	2.307	96	166365	153.921	ug/l	97
13) Acrolein	2.239	56	232818	764.070	ug/l	100
14) Allyl chloride	2.654	41	313268	152.755	ug/l	99
15) Acrylonitrile	3.069	53	507965	727.247	ug/l	100
16) Acetone	2.386	43	479564	709.323	ug/l	99
17) Carbon Disulfide	2.502	76	443495	166.133	ug/l	99
18) Methyl Acetate	2.703	43	228558	146.832	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	598532	158.301	ug/l	99
20) Methylene Chloride	2.782	84	186382	147.254	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	170283	154.210	ug/l	98
22) Diisopropyl ether	3.764	45	636728	157.617	ug/l	94
23) Vinyl Acetate	3.721	43	2911326	834.120	ug/l	100
24) 1,1-Dichloroethane	3.605	63	349040	152.778	ug/l	99
25) 2-Butanone	4.556	43	740096	747.834	ug/l	99
26) 2,2-Dichloropropane	4.465	77	252063	170.765	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	205254	152.571	ug/l	98
28) Bromochloromethane	4.891	49	155600	140.938	ug/l	97
29) Tetrahydrofuran	5.001	42	475589	741.226	ug/l	100
30) Chloroform	5.087	83	353681	150.451	ug/l	98
31) Cyclohexane	5.458	56	310219	153.595	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	315136	158.426	ug/l	98
36) 1,1-Dichloropropene	5.684	75	239776	156.399	ug/l	98
37) Ethyl Acetate	4.715	43	294559	152.461	ug/l	99
38) Carbon Tetrachloride	5.672	117	266770	161.005	ug/l	99
39) Methylcyclohexane	7.373	83	303251	161.366	ug/l	96
40) Benzene	6.031	78	703311	150.208	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	164699	160.155	ug/l		98
42) 1,2-Dichloroethane	6.080	62	296168	153.146	ug/l		100
43) Isopropyl Acetate	6.336	43	475823	162.494	ug/l		99
44) Trichloroethene	7.117	130	170940	153.599	ug/l		95
45) 1,2-Dichloropropane	7.428	63	179457	153.610	ug/l		98
46) Dibromomethane	7.574	93	135415	150.996	ug/l		98
47) Bromodichloromethane	7.818	83	279881	156.272	ug/l		98
48) Methyl methacrylate	7.690	41	240818	159.281	ug/l		99
49) 1,4-Dioxane	7.659	88	74929	2739.196	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	1414771	728.817	ug/l		99
52) Toluene	8.714	92	420015	148.245	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	267671	150.589	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	287973	171.104	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	163426	144.752	ug/l		98
56) Ethyl methacrylate	9.116	69	285895	163.624	ug/l		98
57) 1,3-Dichloropropane	9.305	76	288430	146.708	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	703881	796.340	ug/l		99
59) 2-Hexanone	9.433	43	1053971	733.198	ug/l		100
60) Dibromochloromethane	9.519	129	194342	157.895	ug/l		98
61) 1,2-Dibromoethane	9.610	107	174571	152.745	ug/l		99
64) Tetrachloroethene	9.269	164	138926	147.568	ug/l		98
65) Chlorobenzene	10.080	112	444631	156.049	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	156069	157.769	ug/l		99
67) Ethyl Benzene	10.189	91	821130	160.907	ug/l		99
68) m/p-Xylenes	10.299	106	583228	314.231	ug/l		99
69) o-Xylene	10.640	106	285670	156.241	ug/l		100
70) Styrene	10.653	104	480722	159.299	ug/l		99
71) Bromoform	10.799	173	126115	170.743	ug/l	#	98
73) Isopropylbenzene	10.957	105	764406	155.475	ug/l		100
74) N-amyl acetate	10.842	43	408934	173.877	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	249980	144.737	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	215694m	144.064	ug/l		
77) Bromobenzene	11.195	156	171573	151.033	ug/l		99
78) n-propylbenzene	11.305	91	897084	158.408	ug/l		100
79) 2-Chlorotoluene	11.360	91	537263	148.399	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	620819	152.700	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	78805	178.636	ug/l		93
82) 4-Chlorotoluene	11.451	91	615594	152.505	ug/l		99
83) tert-Butylbenzene	11.713	119	627039	155.783	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	629704	154.317	ug/l		100
85) sec-Butylbenzene	11.890	105	790355	159.869	ug/l		100
86) p-Isopropyltoluene	12.006	119	641521	157.397	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	314077	151.885	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	314197	149.876	ug/l		99
89) n-Butylbenzene	12.329	91	604445	171.019	ug/l		100
90) Hexachloroethane	12.536	117	121761	173.829	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	307031	149.342	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64317	178.062	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	199365	174.213	ug/l		99
94) Hexachlorobutadiene	13.725	225	77792	157.752	ug/l		99
95) Naphthalene	13.774	128	733300	172.191	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	201989	168.562	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 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

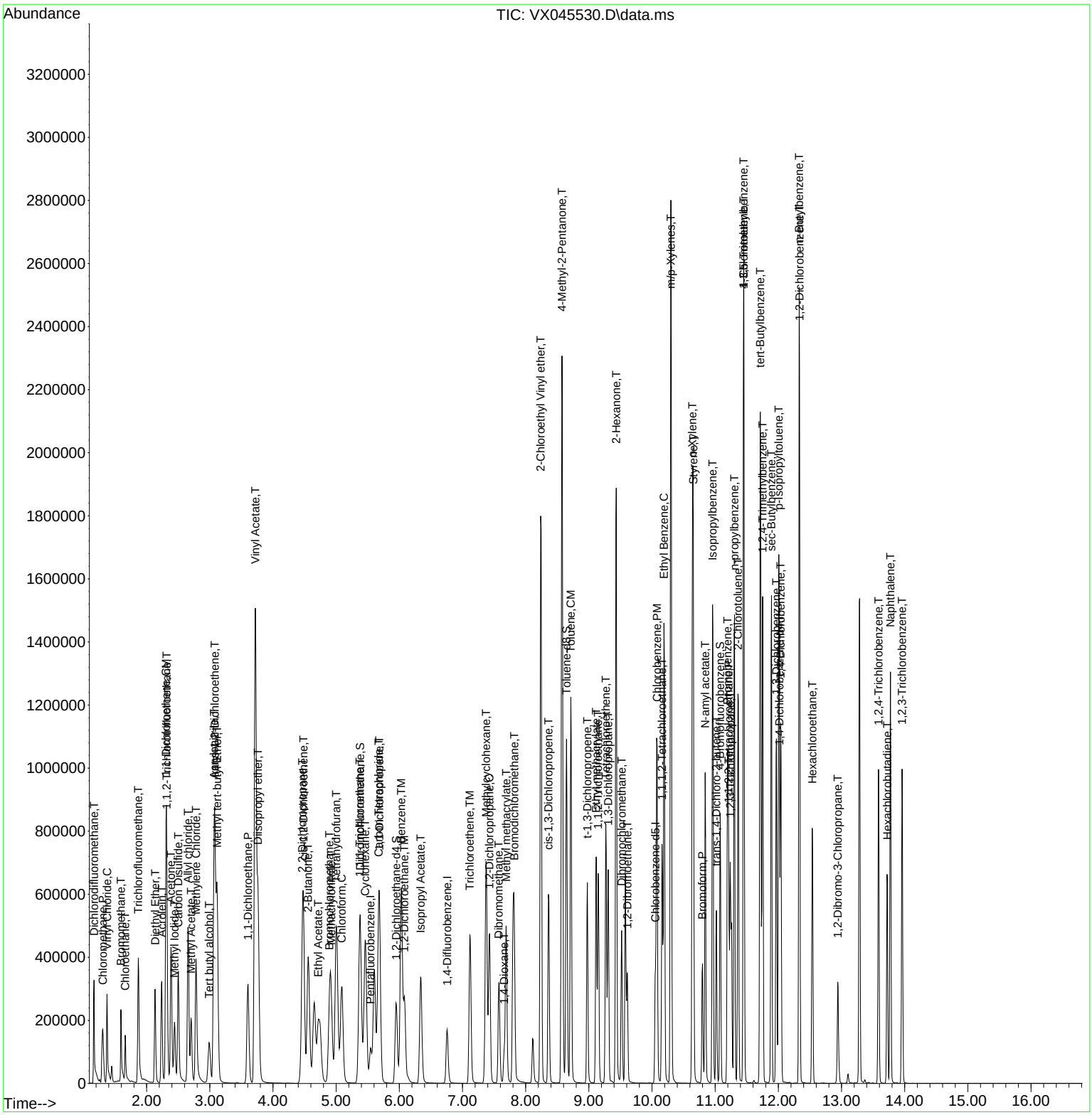
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Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

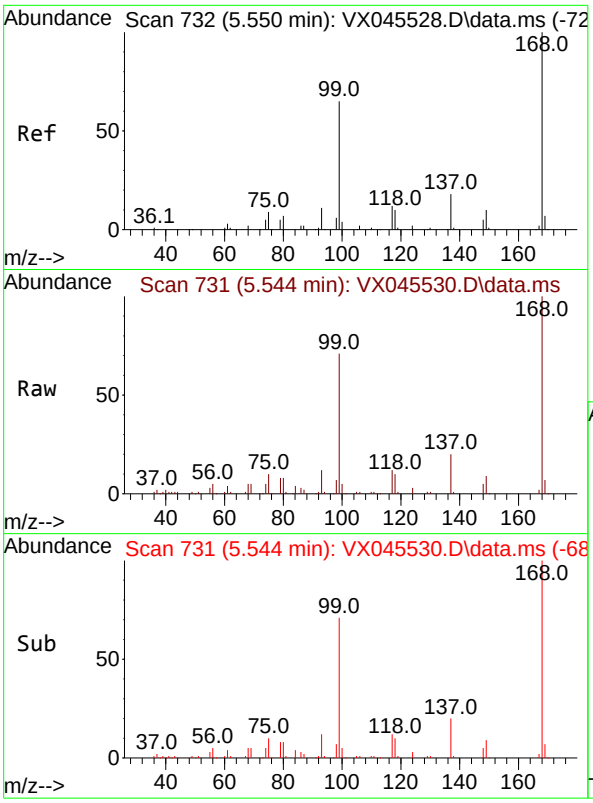
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

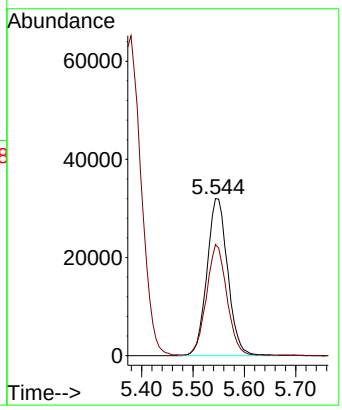




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:168 Resp: 9003

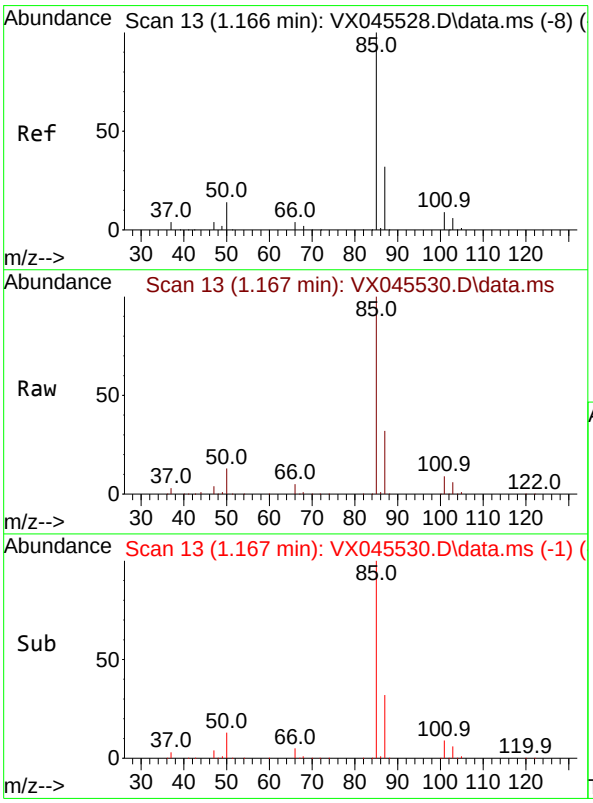
Ion	Ratio	Lower	Upper
168	100		
99	70.3	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

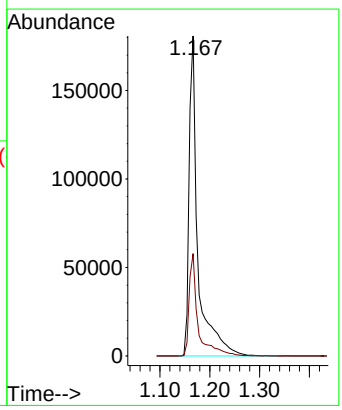
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

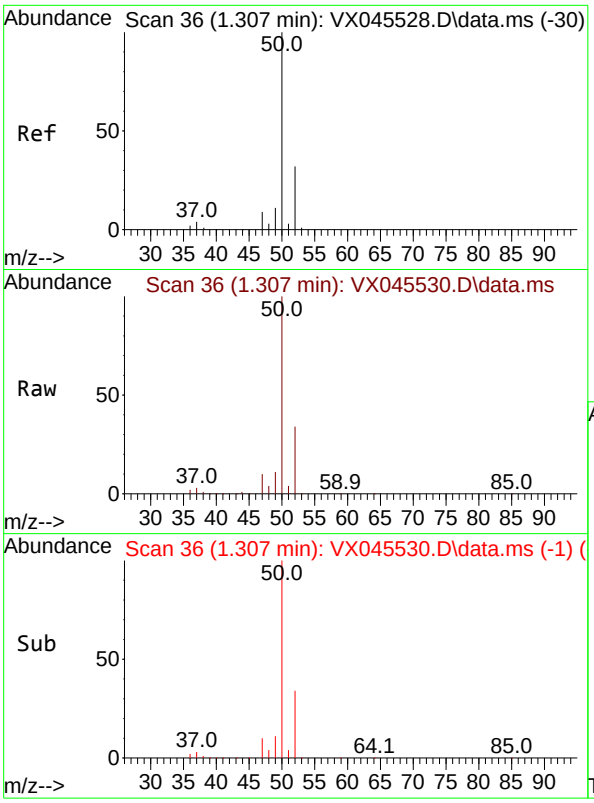


#2
Dichlorodifluoromethane
Concen: 164.460 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 85 Resp: 221436

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.1	48.2

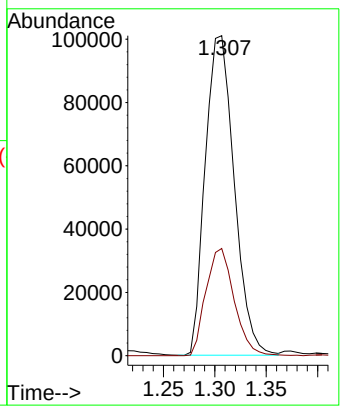




#3
Chloromethane
Concen: 143.373 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 50 Resp: 19832

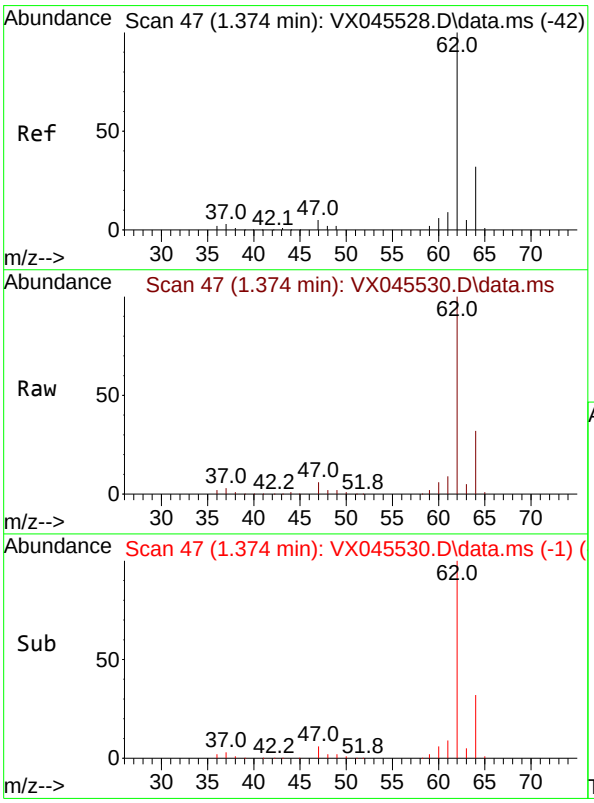
Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

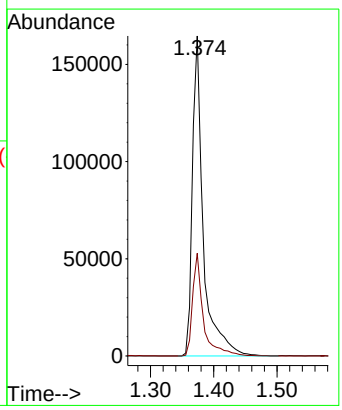
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

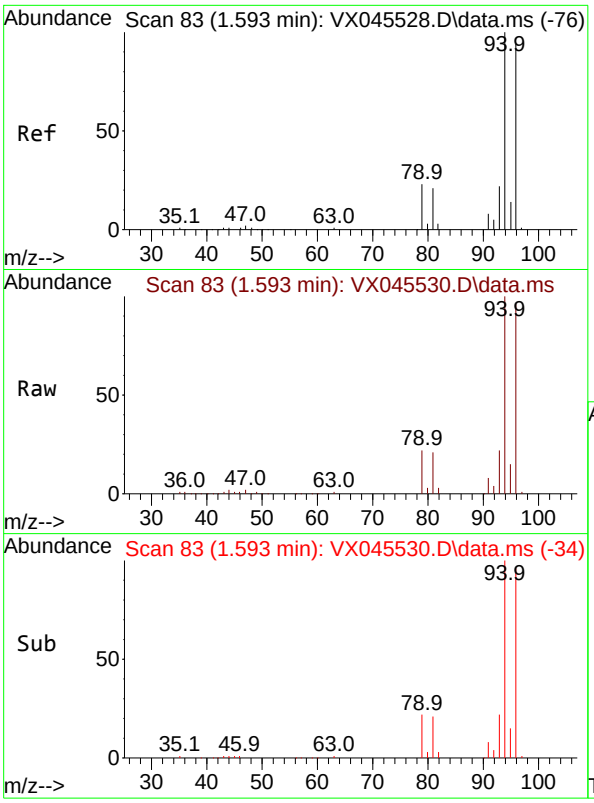


#4
Vinyl Chloride
Concen: 155.697 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 62 Resp: 197096

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.5	38.3

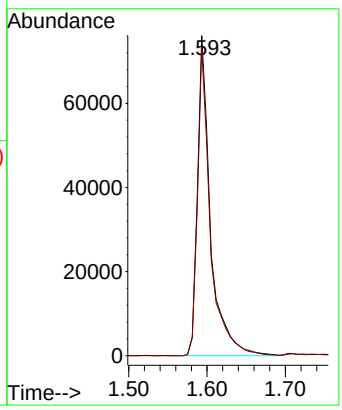




#5
Bromomethane
Concen: 146.986 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 94 Resp: 8822

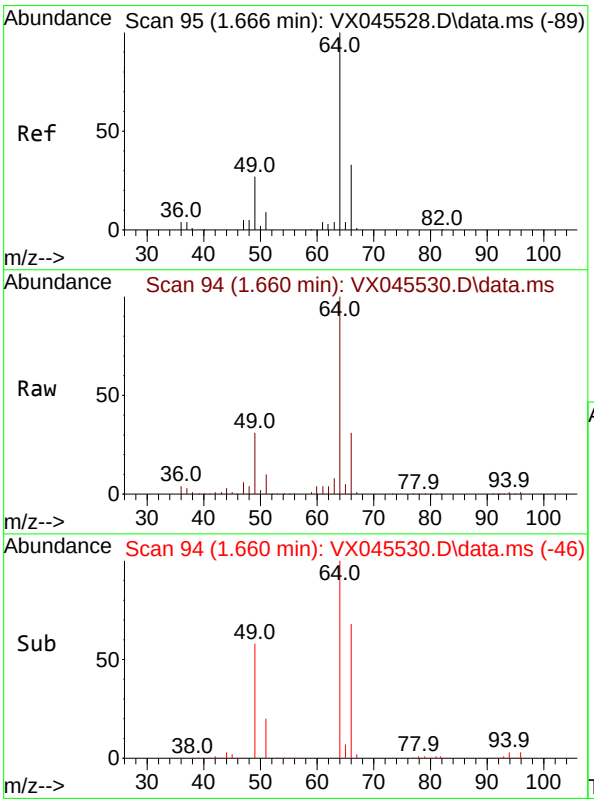
Ion	Ratio	Lower	Upper
94	100		
96	96.1	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

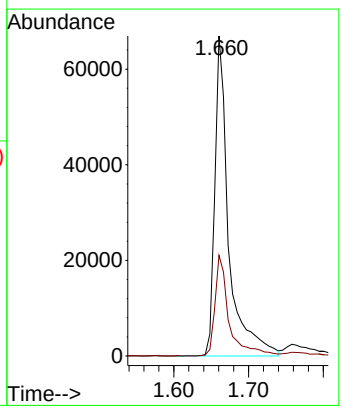
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

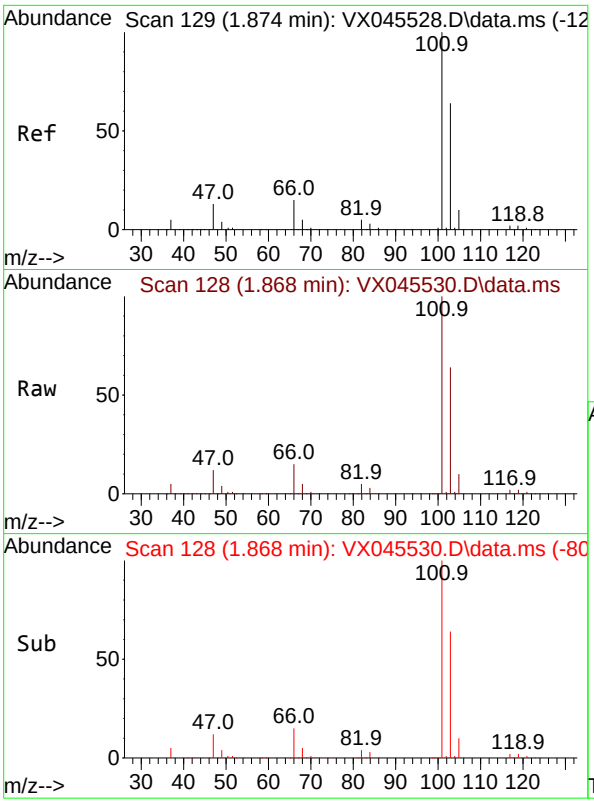


#6
Chloroethane
Concen: 128.421 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 64 Resp: 86251

Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.3	39.5

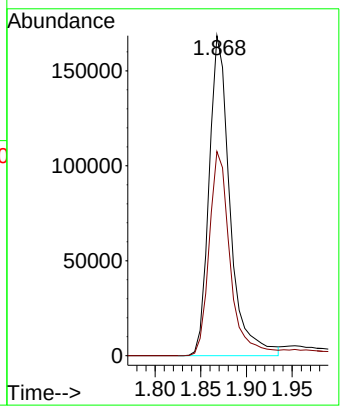




#7
Trichlorofluoromethane
Concen: 141.495 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:101 Resp: 26709

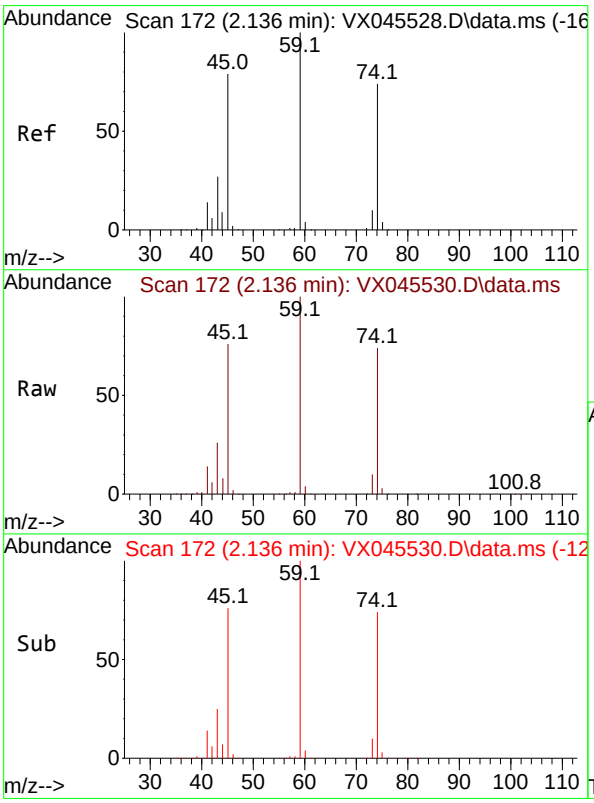
Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

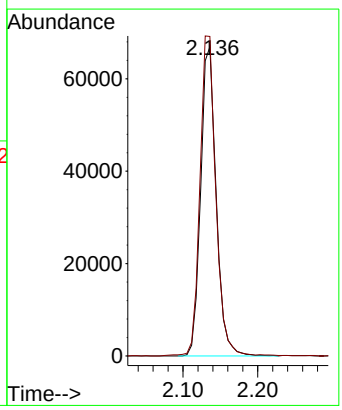
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

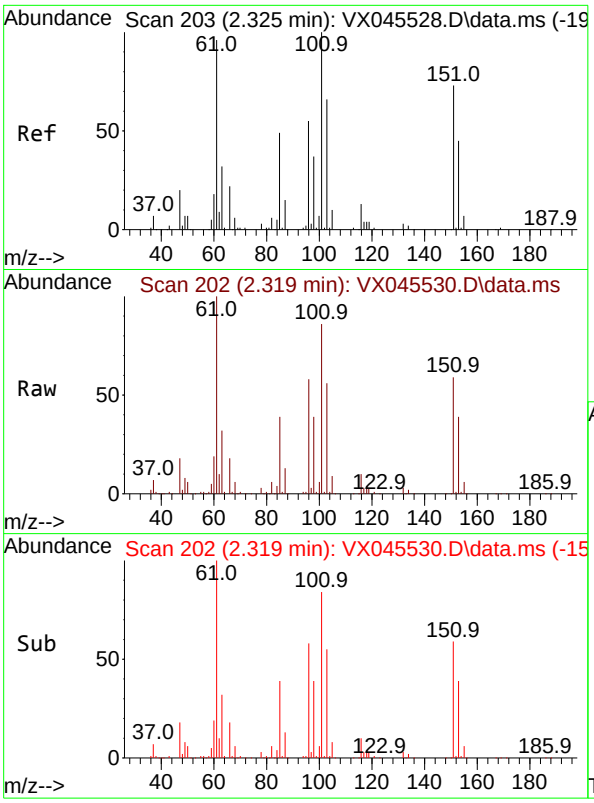


#8
Diethyl Ether
Concen: 152.215 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 74 Resp: 96467

Ion	Ratio	Lower	Upper
74	100		
45	105.8	53.0	159.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 154.698 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

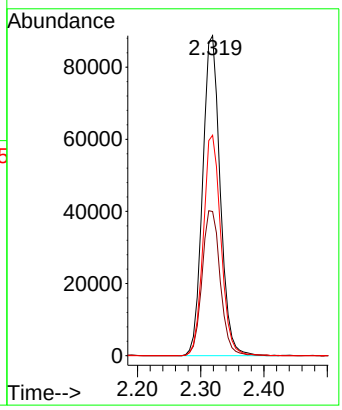
Tgt Ion:101 Resp: 17111

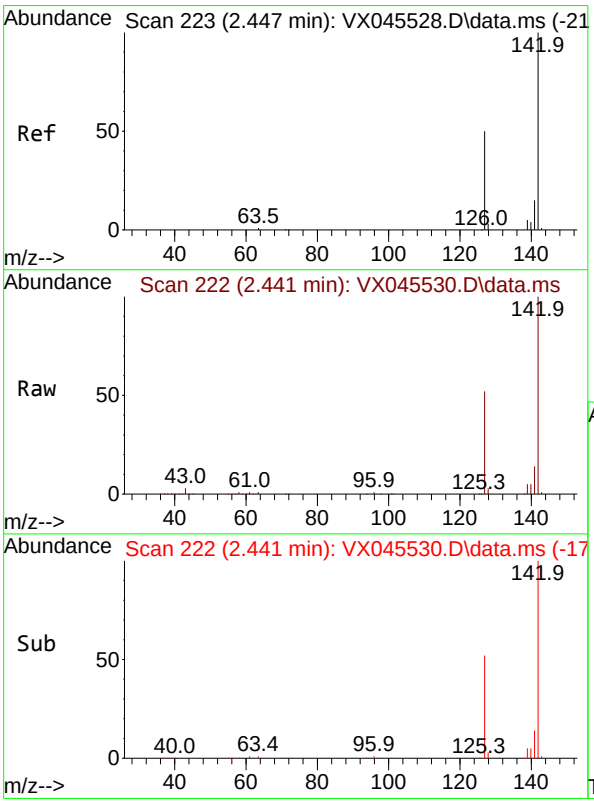
Ion	Ratio	Lower	Upper
101	100		
85	46.9	38.9	58.3
151	69.3	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

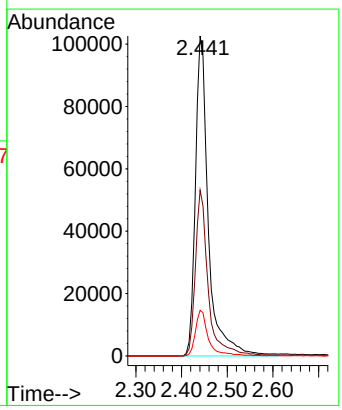


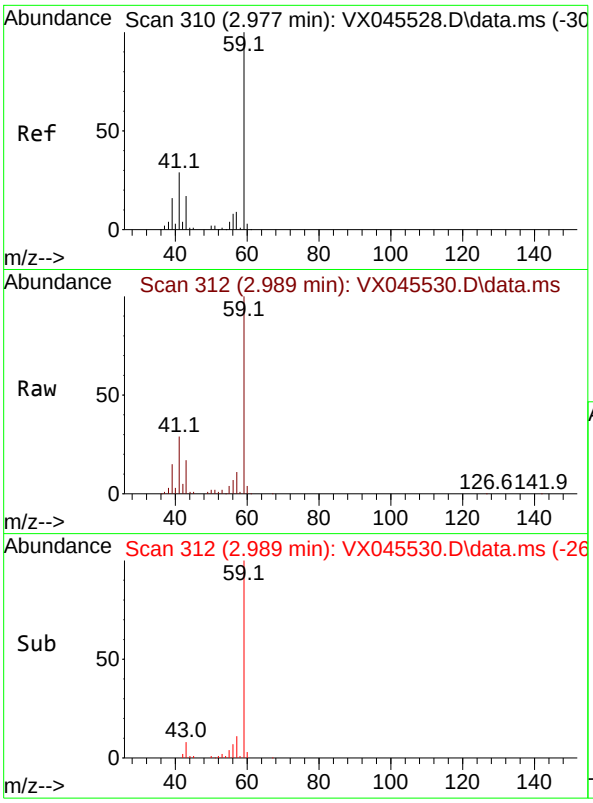


#10
Methyl Iodide
Concen: 146.838 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:142 Resp: 202594

Ion	Ratio	Lower	Upper
142	100		
127	51.2	40.2	60.4
141	14.3	11.7	17.5





#11
Tert butyl alcohol
Concen: 758.202 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

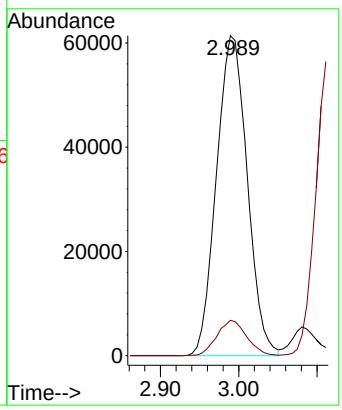
Tgt Ion: 59 Resp: 16776

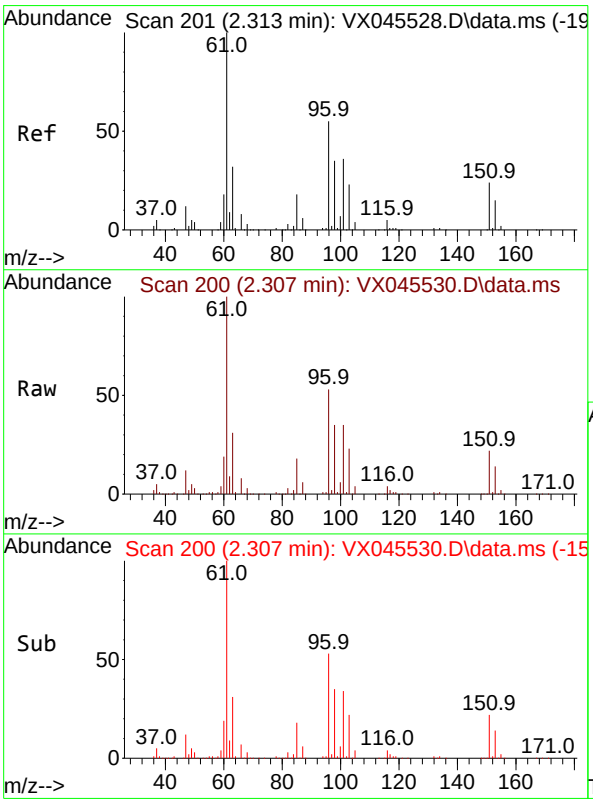
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

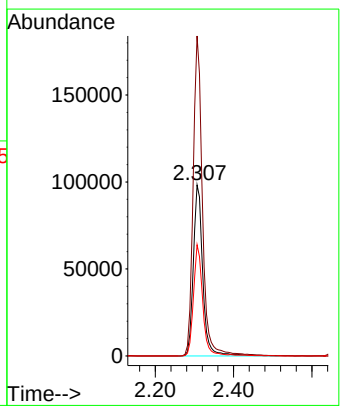


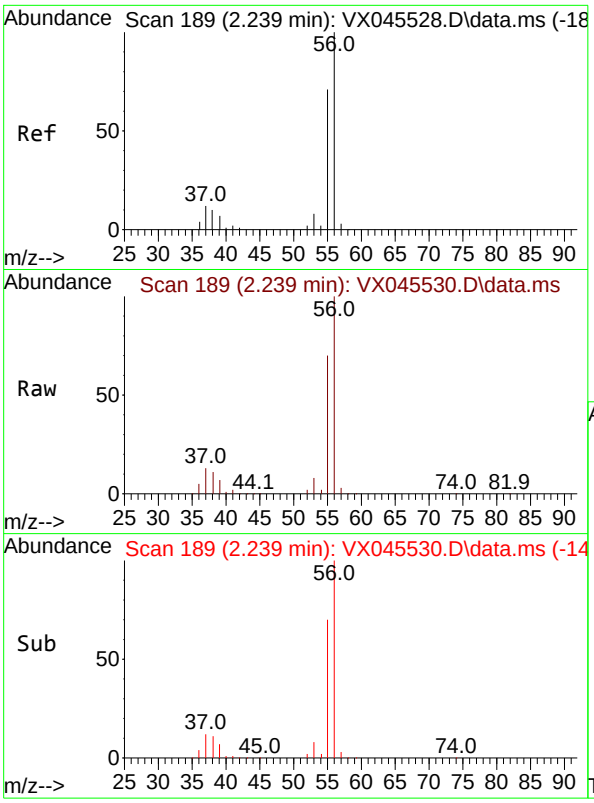


#12
1,1-Dichloroethene
Concen: 153.921 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 96 Resp: 166365

Ion	Ratio	Lower	Upper
96	100		
61	187.0	145.7	218.5
98	65.0	51.6	77.4

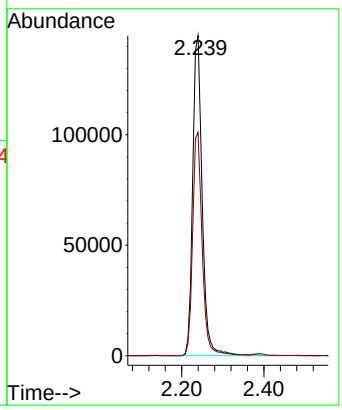




#13
Acrolein
Concen: 764.070 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 56 Resp: 23281

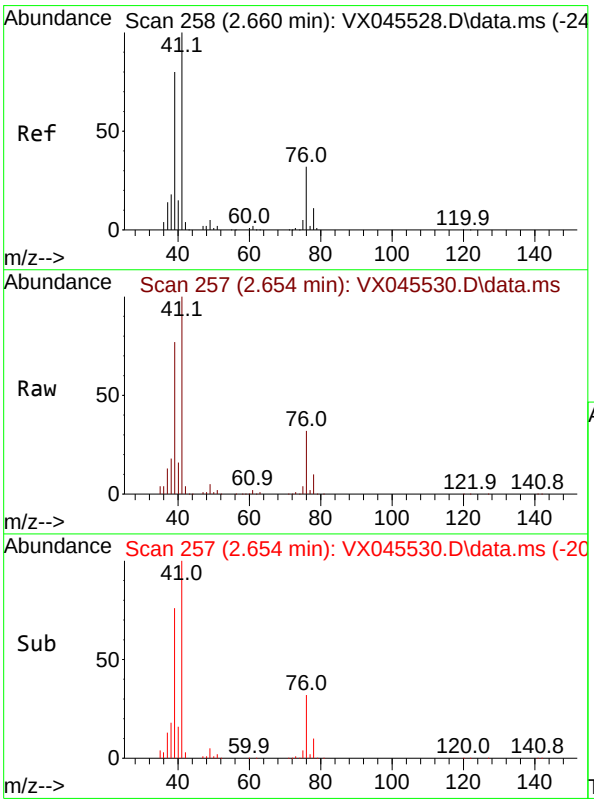
Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

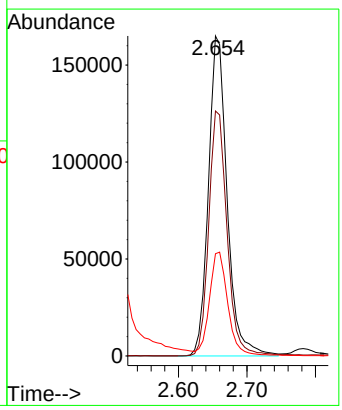
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

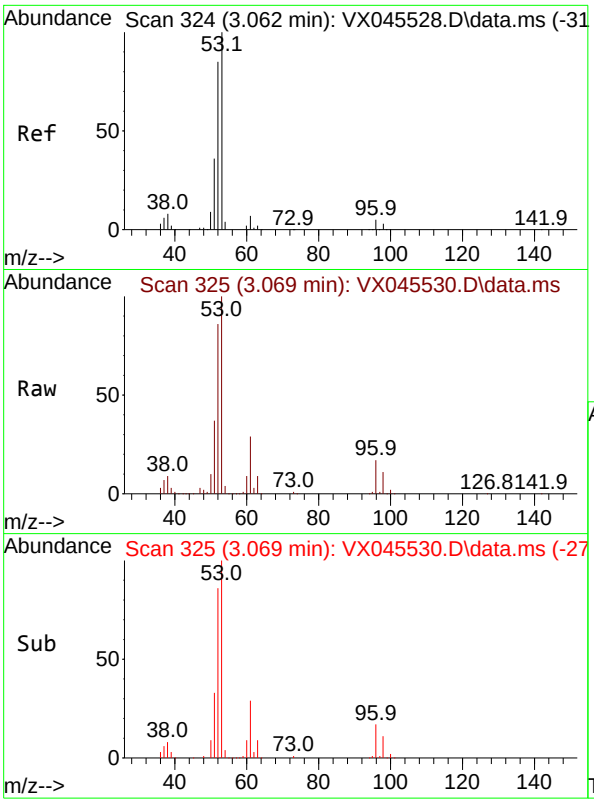


#14
Allyl chloride
Concen: 152.755 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 41 Resp: 313268

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.2	90.2
76	32.2	24.6	36.8

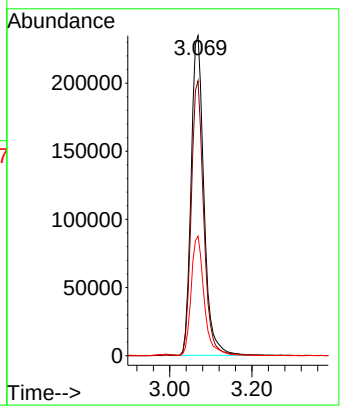




#15
Acrylonitrile
Concen: 727.247 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 53 Resp: 50796

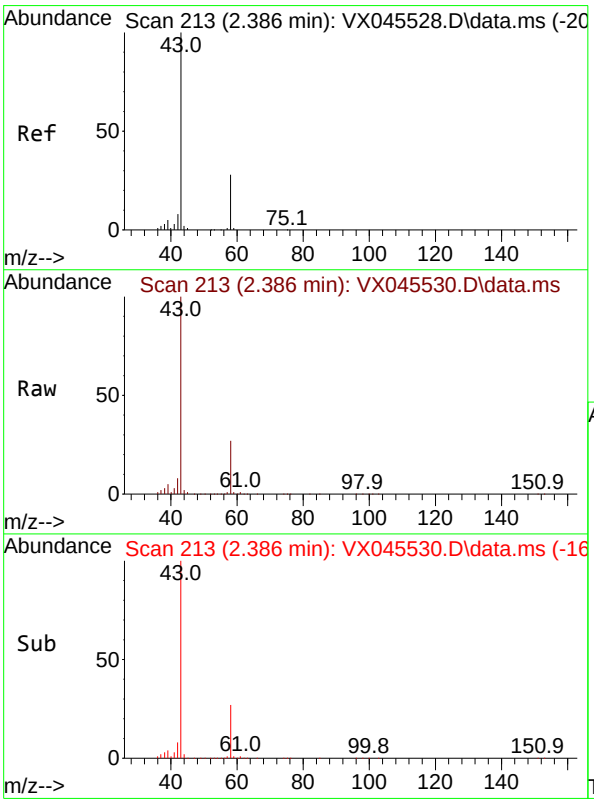
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.4	101.2
51	37.7	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

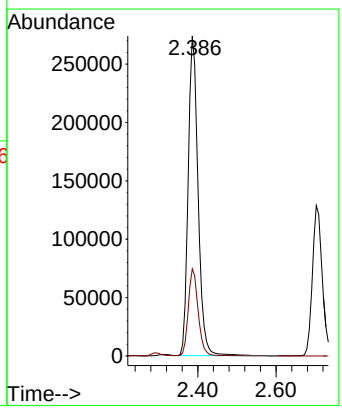
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

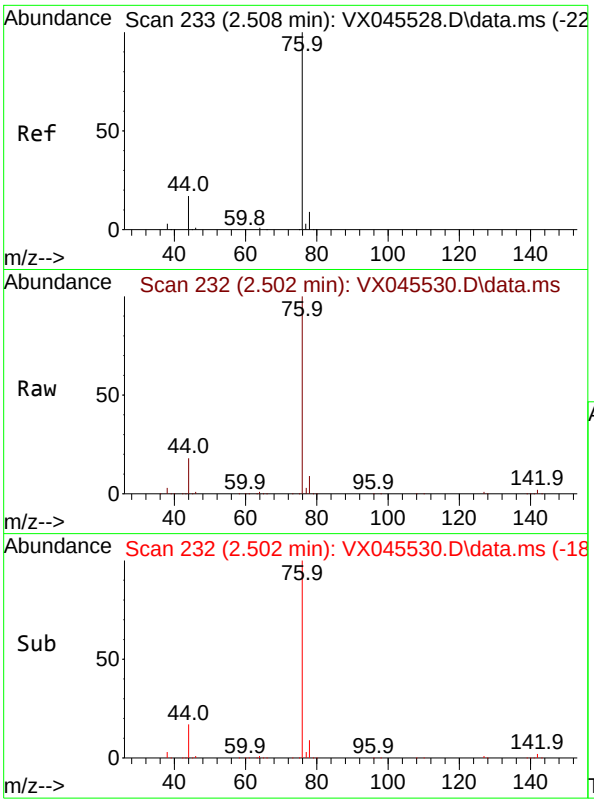


#16
Acetone
Concen: 709.323 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 479564

Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.3	33.5

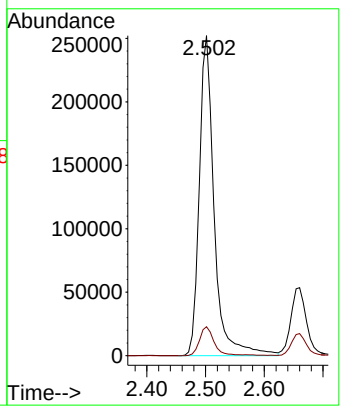




#17
Carbon Disulfide
Concen: 166.133 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 76 Resp: 44349

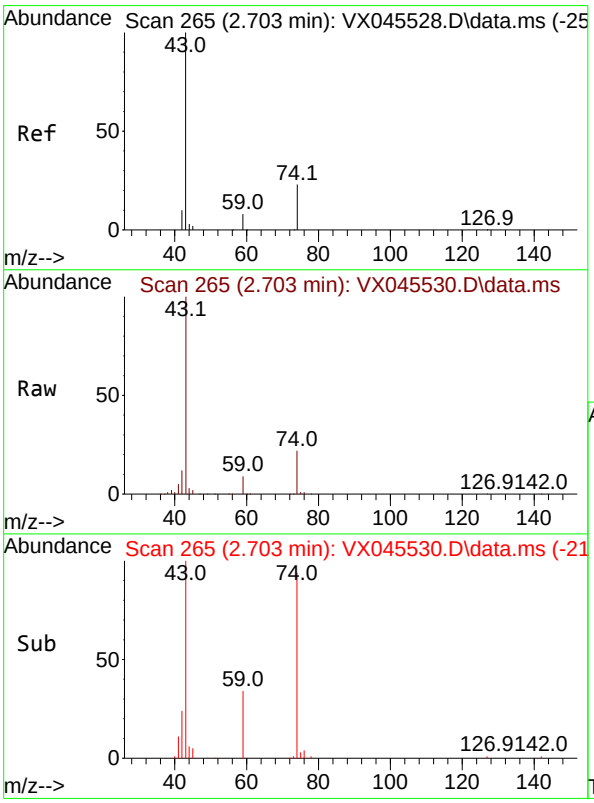
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

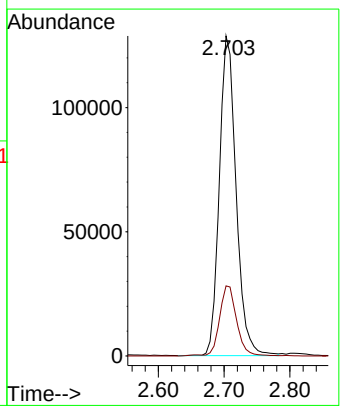
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

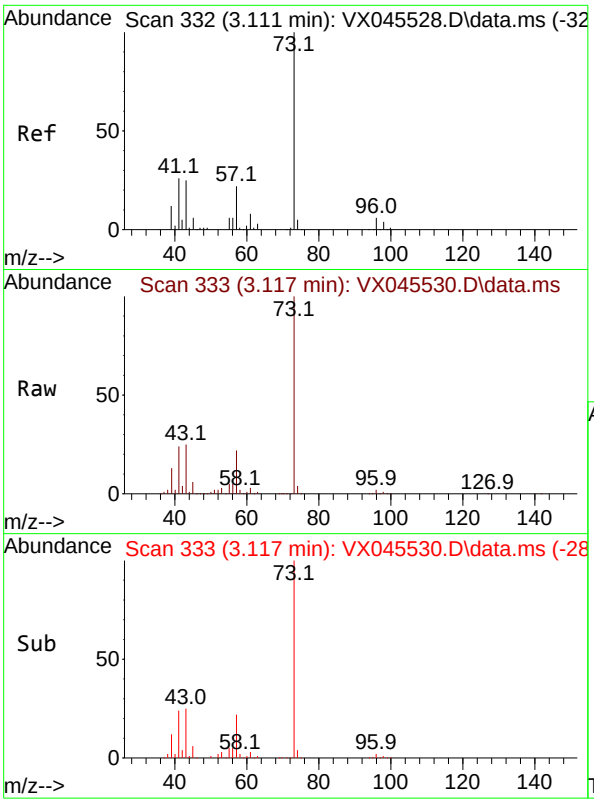


#18
Methyl Acetate
Concen: 146.832 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 228558

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.5	26.3

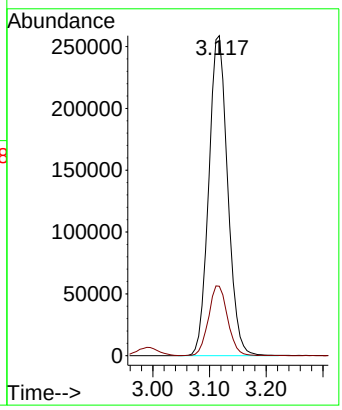




#19
Methyl tert-butyl Ether
Concen: 158.301 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 73 Resp: 59853

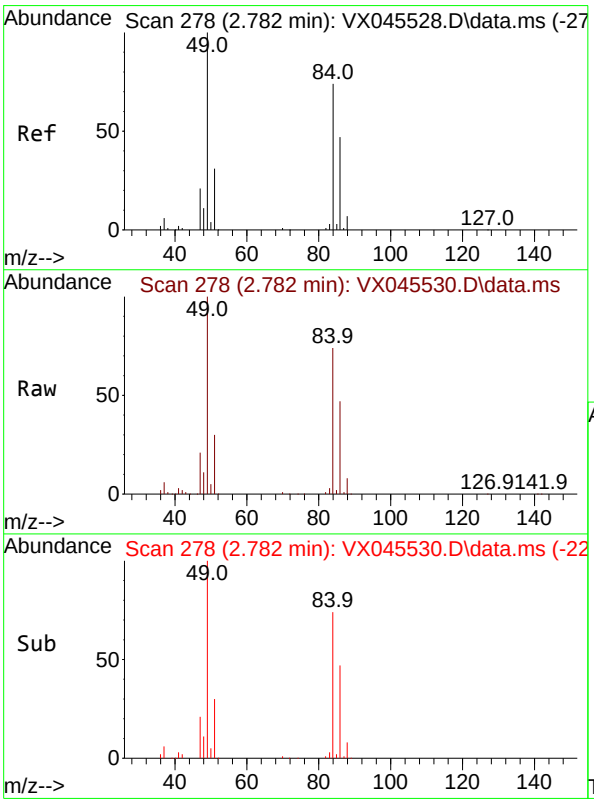
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

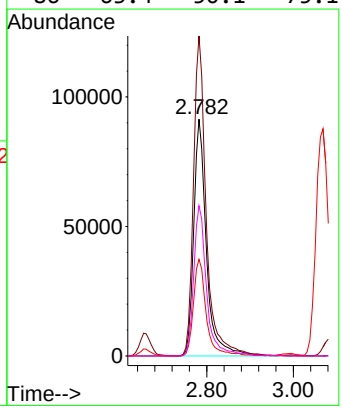
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

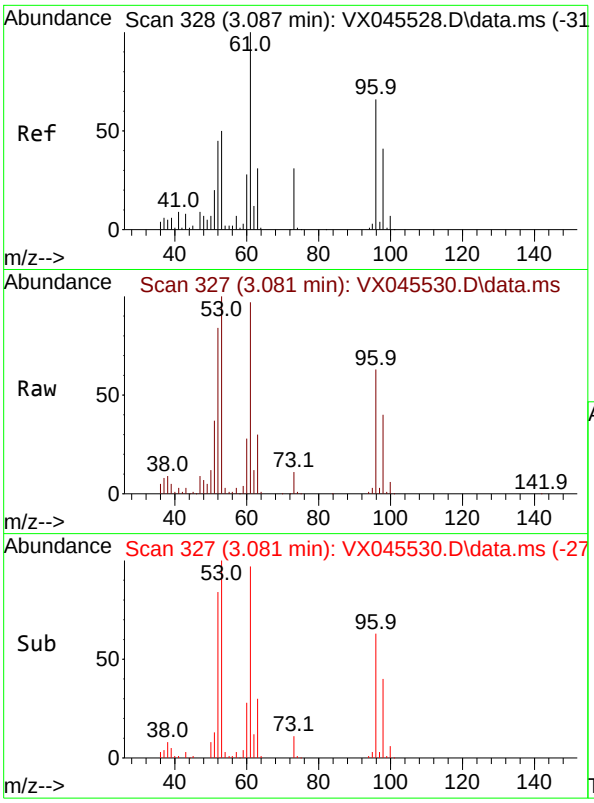


#20
Methylene Chloride
Concen: 147.254 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 84 Resp: 186382

Ion	Ratio	Lower	Upper
84	100		
49	135.1	107.5	161.3
51	40.8	33.0	49.6
86	63.4	50.1	75.1

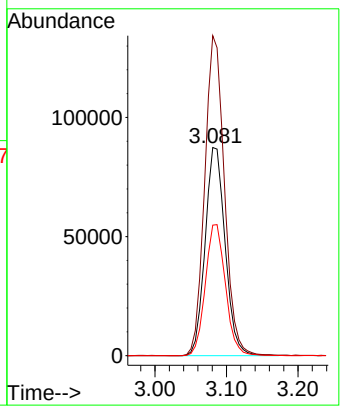




#21
trans-1,2-Dichloroethene
Concen: 154.210 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 96 Resp: 17028

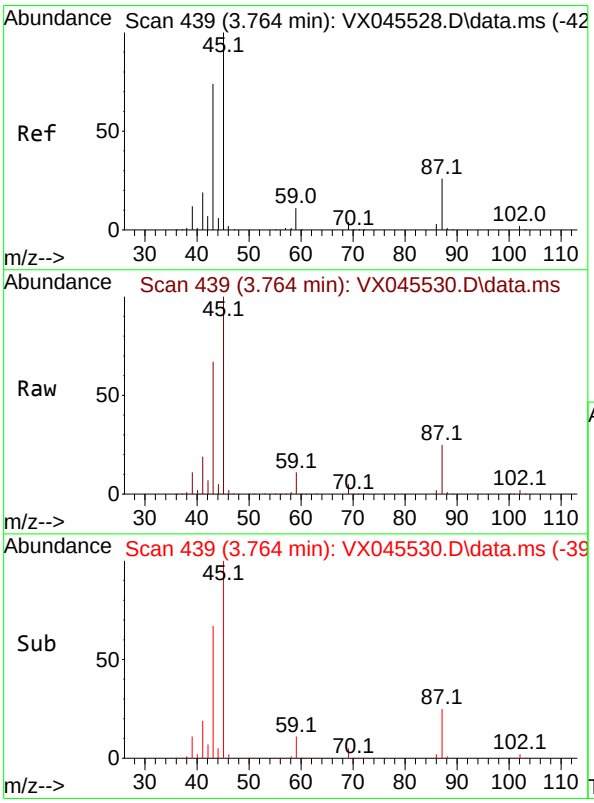
Ion	Ratio	Lower	Upper
96	100		
61	153.7	121.0	181.6
98	62.7	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

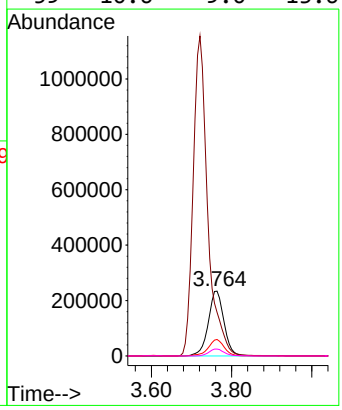
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

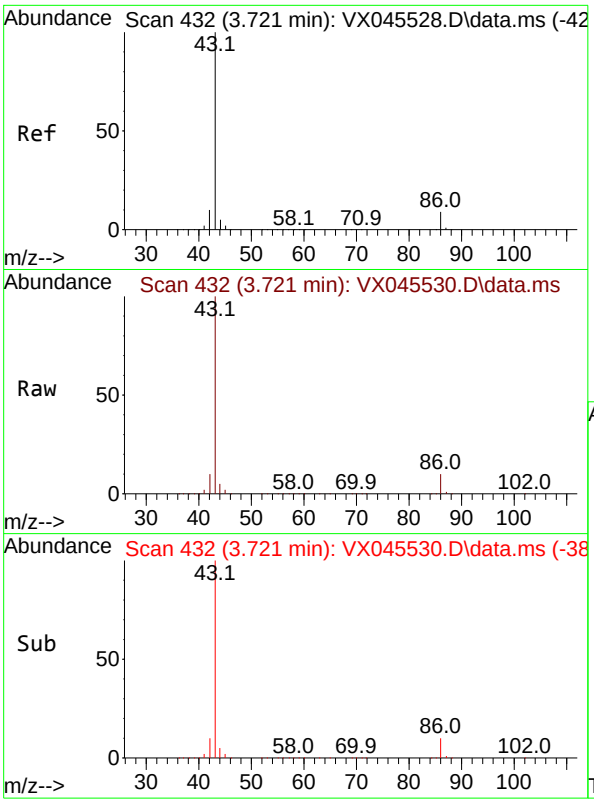


#22
Diisopropyl ether
Concen: 157.617 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 45 Resp: 636728

Ion	Ratio	Lower	Upper
45	100		
43	67.0	59.3	88.9
87	25.5	20.4	30.6
59	10.6	9.0	13.6

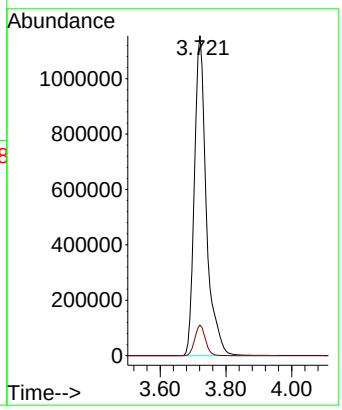




#23
Vinyl Acetate
Concen: 834.120 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 291132

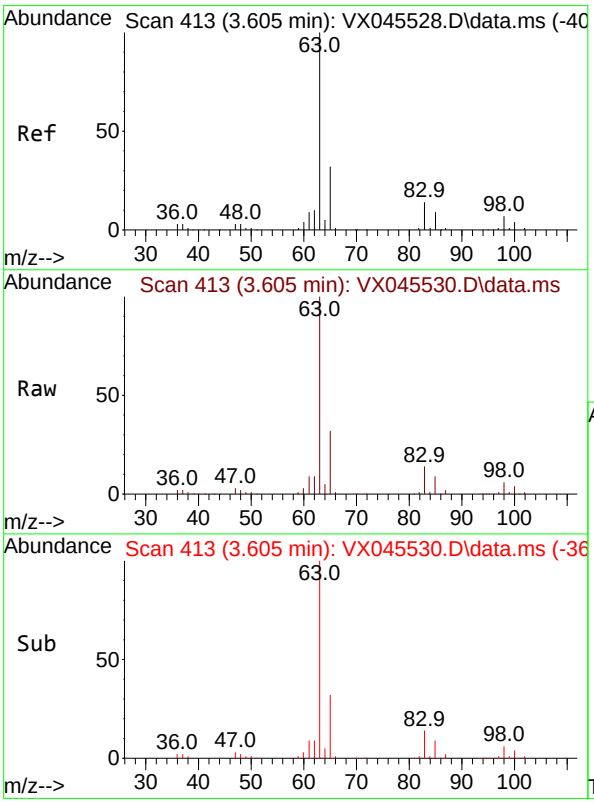
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

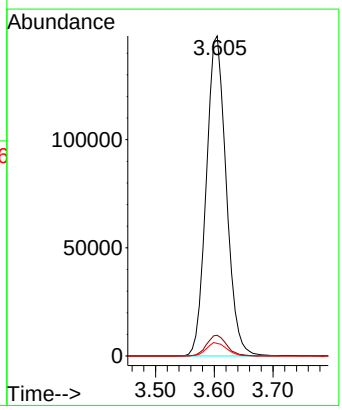
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

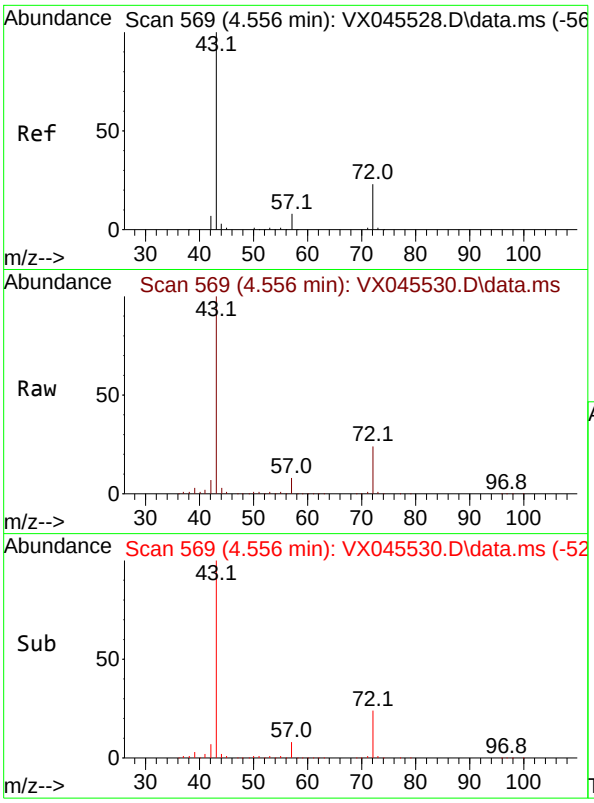


#24
1,1-Dichloroethane
Concen: 152.778 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 63 Resp: 349040

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	3.9	2.2	6.6

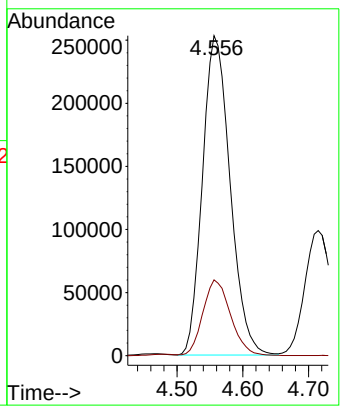




#25
2-Butanone
Concen: 747.834 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 74009

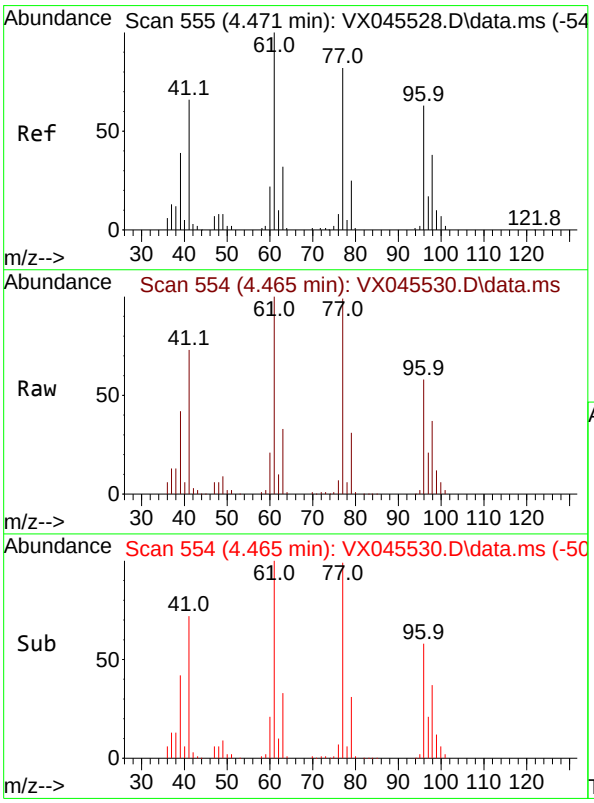
Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

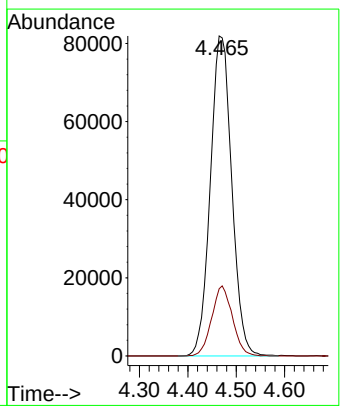
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

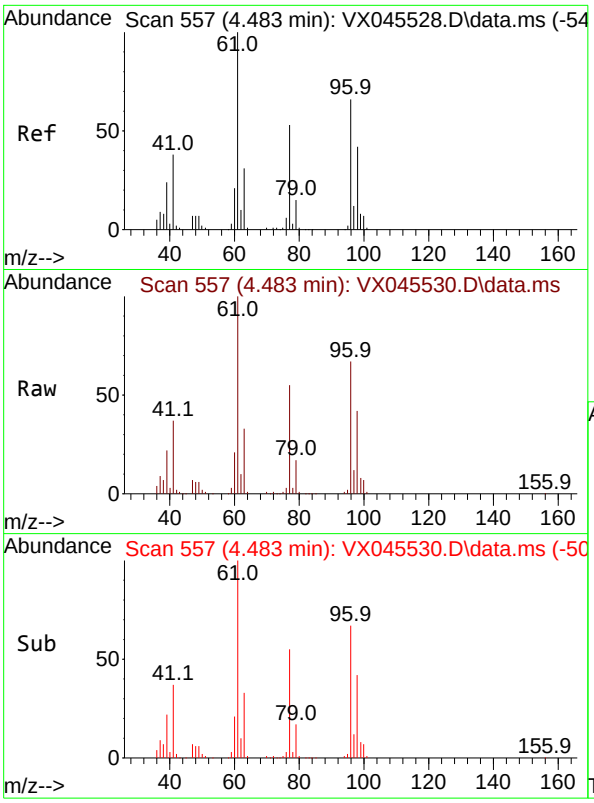


#26
2,2-Dichloropropane
Concen: 170.765 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 77 Resp: 252063

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8

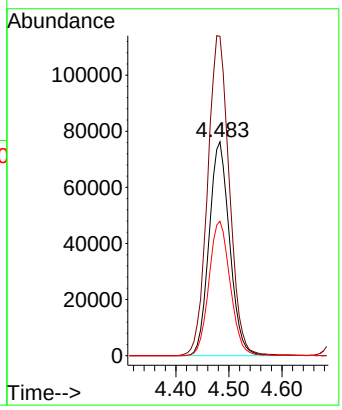




#27
cis-1,2-Dichloroethene
Concen: 152.571 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 96 Resp: 20525

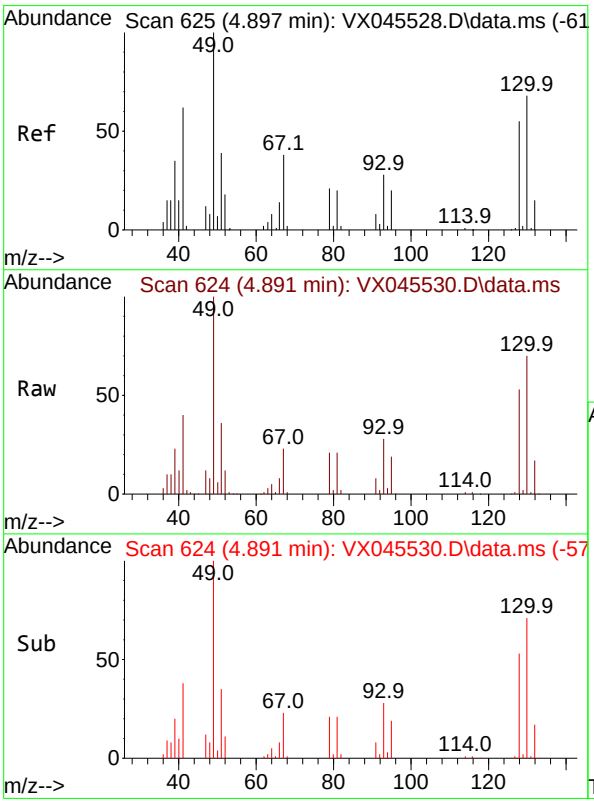
Ion	Ratio	Lower	Upper
96	100		
61	158.2	0.0	313.2
98	64.9	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

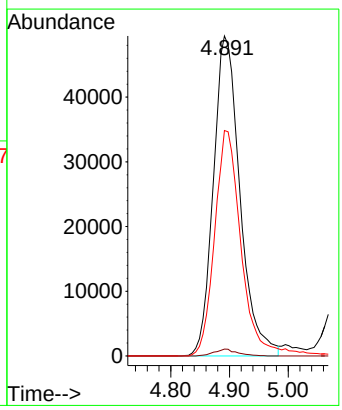
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

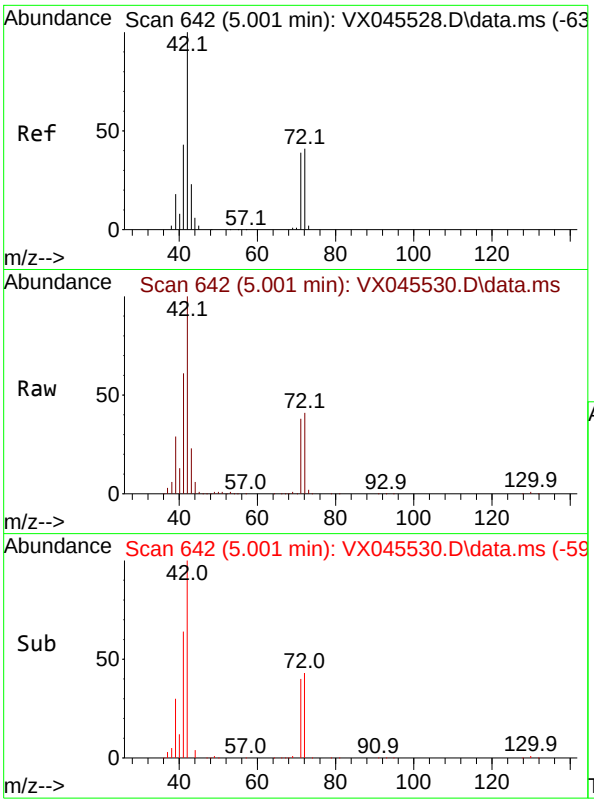


#28
Bromochloromethane
Concen: 140.938 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 49 Resp: 155600

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	70.7	54.6	81.8

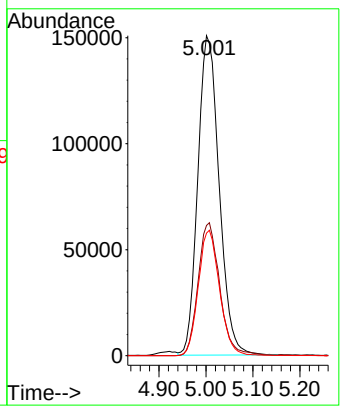




#29
Tetrahydrofuran
Concen: 741.226 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 42 Resp: 47558

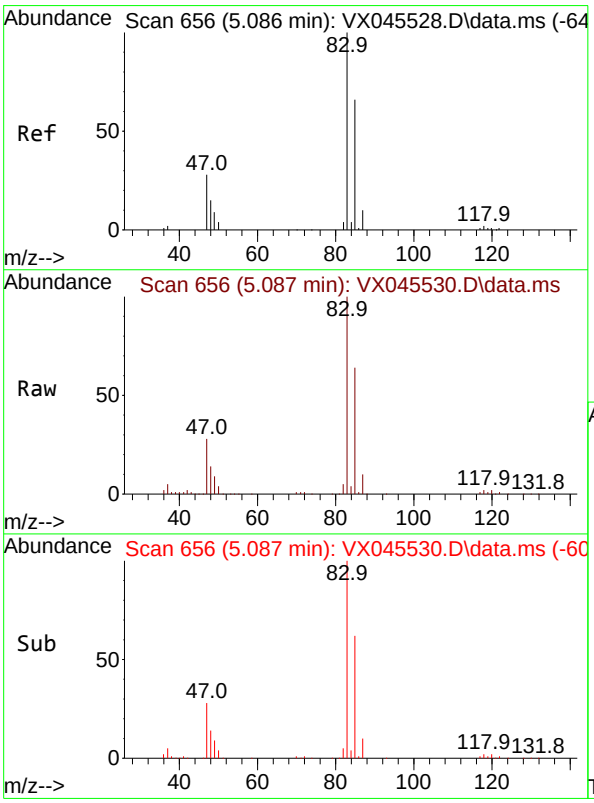
Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	39.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

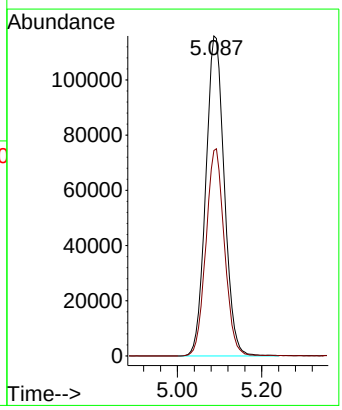
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

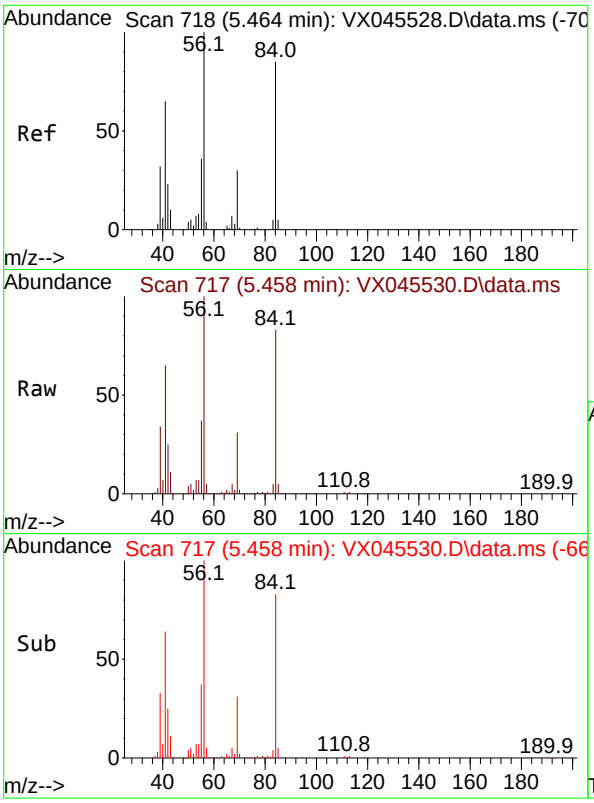


#30
Chloroform
Concen: 150.451 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 83 Resp: 353681

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.8	79.2

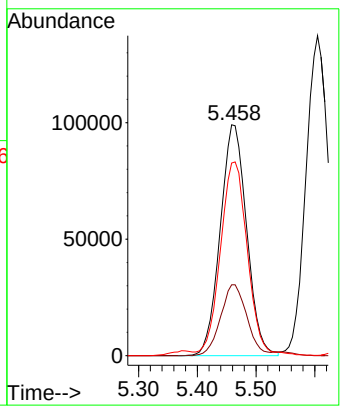




#31
Cyclohexane
Concen: 153.595 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 56 Resp: 31021

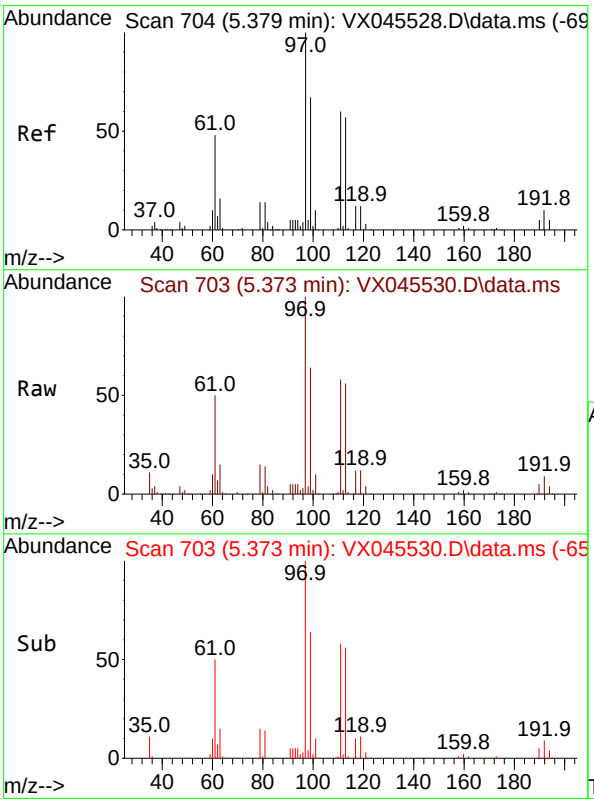
Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.6	35.4
84	81.9	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

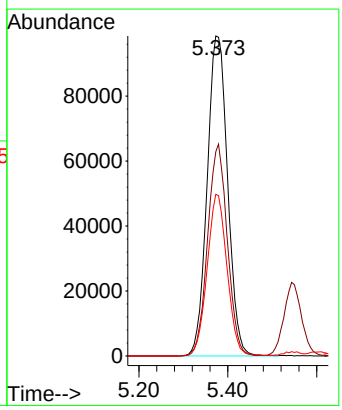
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

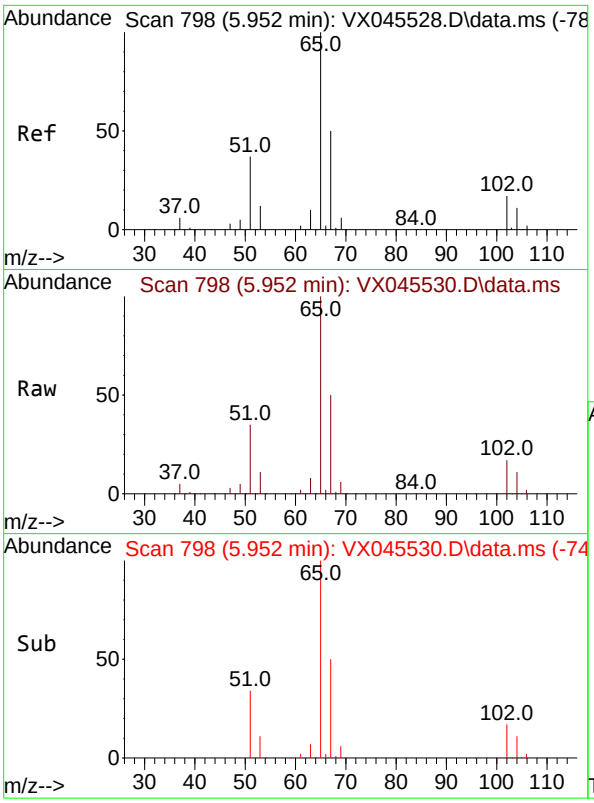


#32
1,1,1-Trichloroethane
Concen: 158.426 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 97 Resp: 315136

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.7	77.5
61	49.1	41.0	61.4

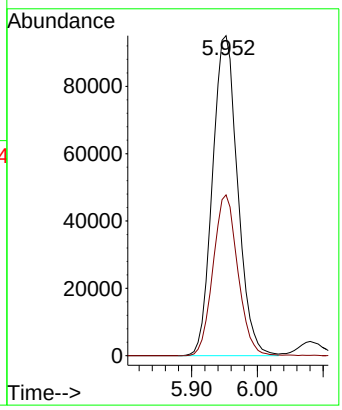




#33
1,2-Dichloroethane-d4
Concen: 153.661 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 65 Resp: 25299

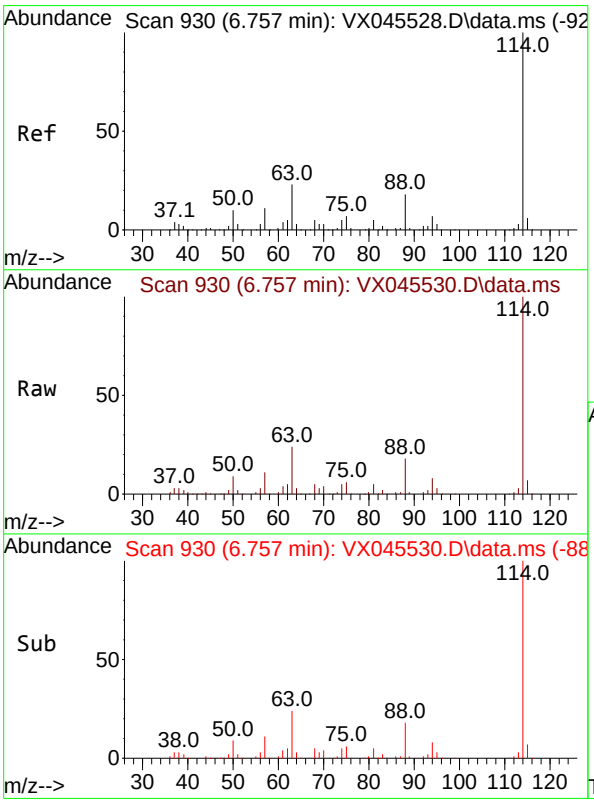
Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

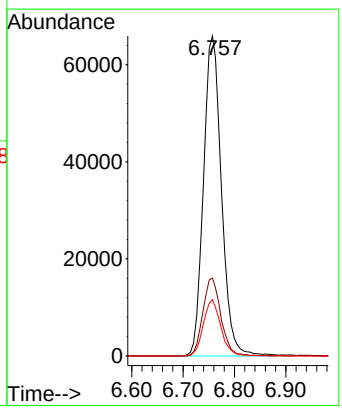
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

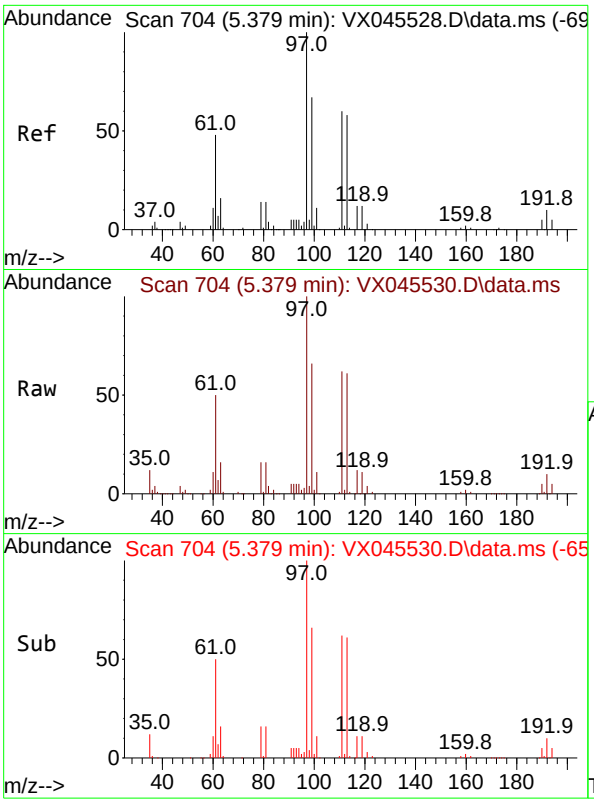


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:114 Resp: 160037

Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	46.8
88	17.6	0.0	35.4

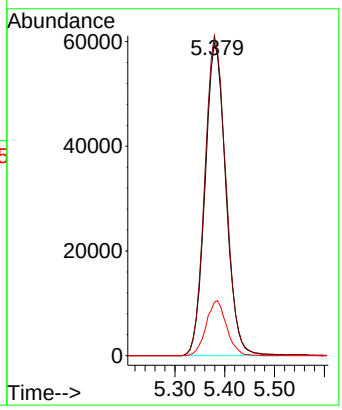




#35
Dibromofluoromethane
Concen: 152.887 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:113 Resp: 17359

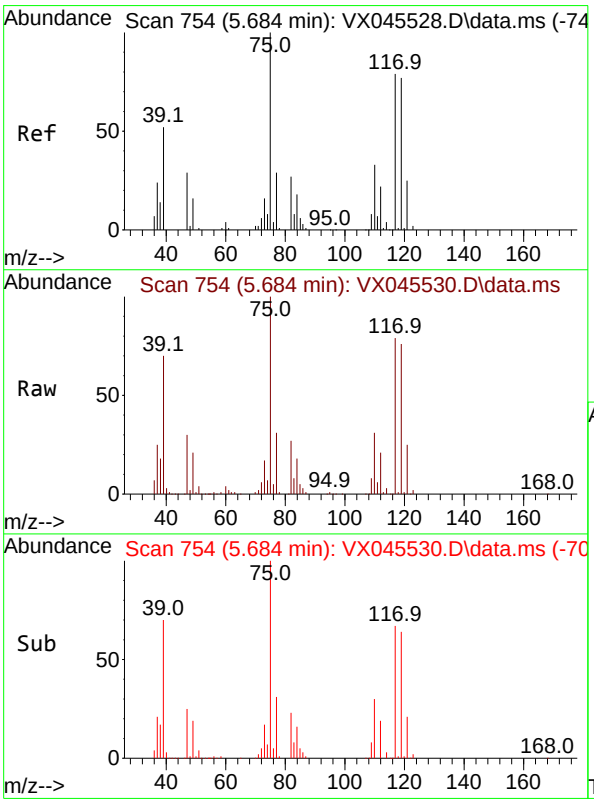
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	17.3	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

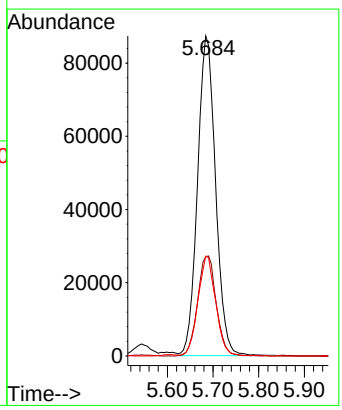
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

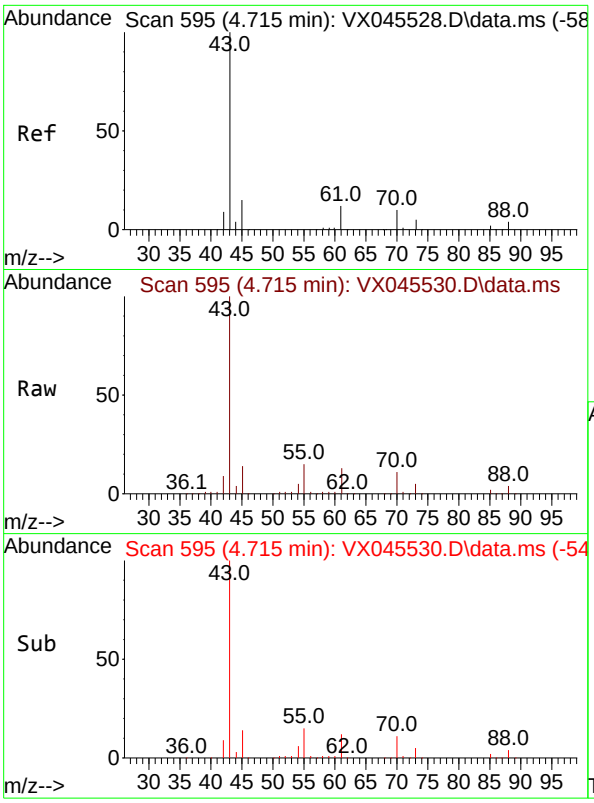


#36
1,1-Dichloropropene
Concen: 156.399 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 239776

Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.9	50.6
77	30.6	25.0	37.4

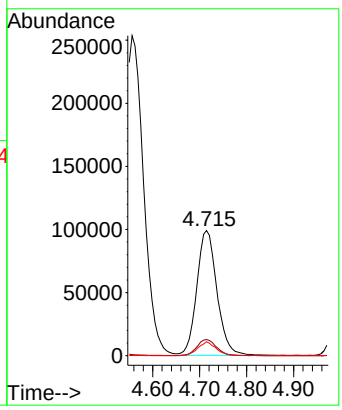




#37
Ethyl Acetate
Concen: 152.461 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 29455

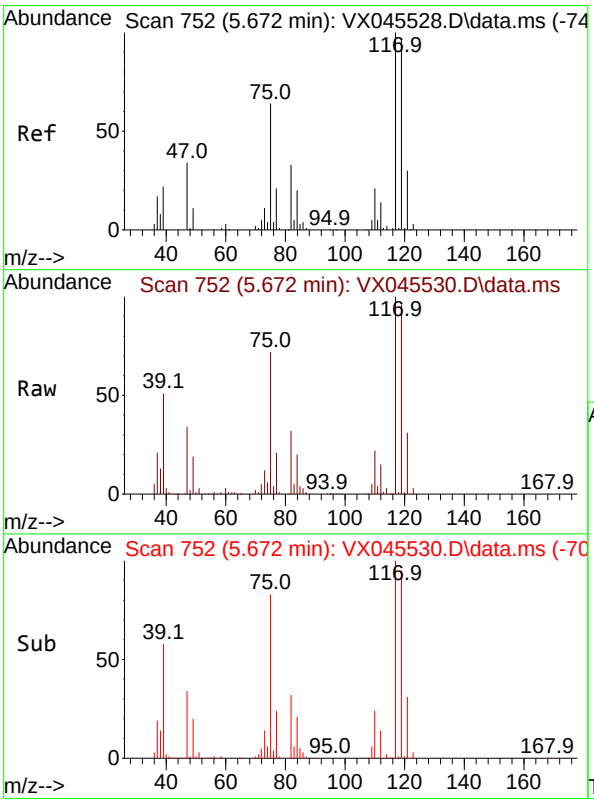
Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.9	14.9
70	10.0	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

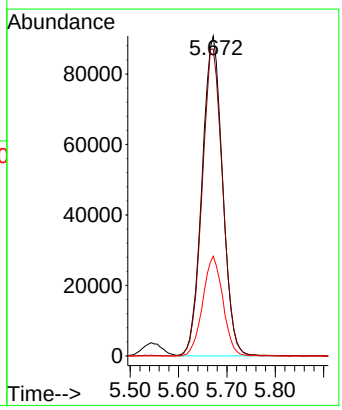
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

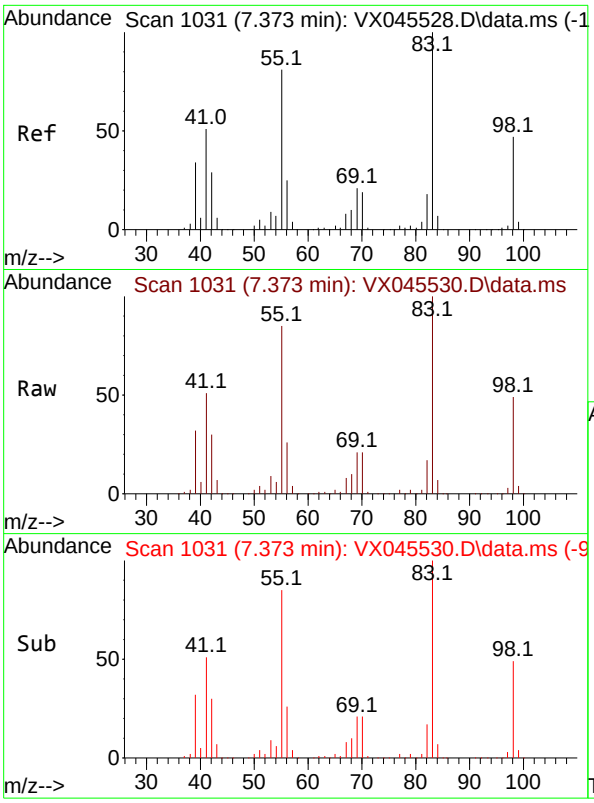


#38
Carbon Tetrachloride
Concen: 161.005 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:117 Resp: 266770

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	31.2	24.2	36.2

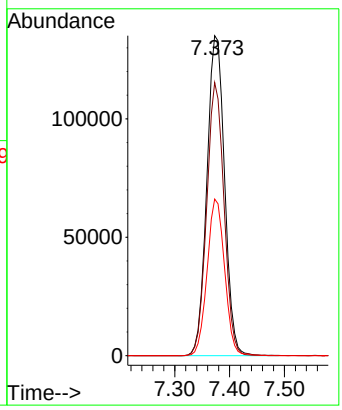




#39
Methylcyclohexane
Concen: 161.366 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 83 Resp: 30325

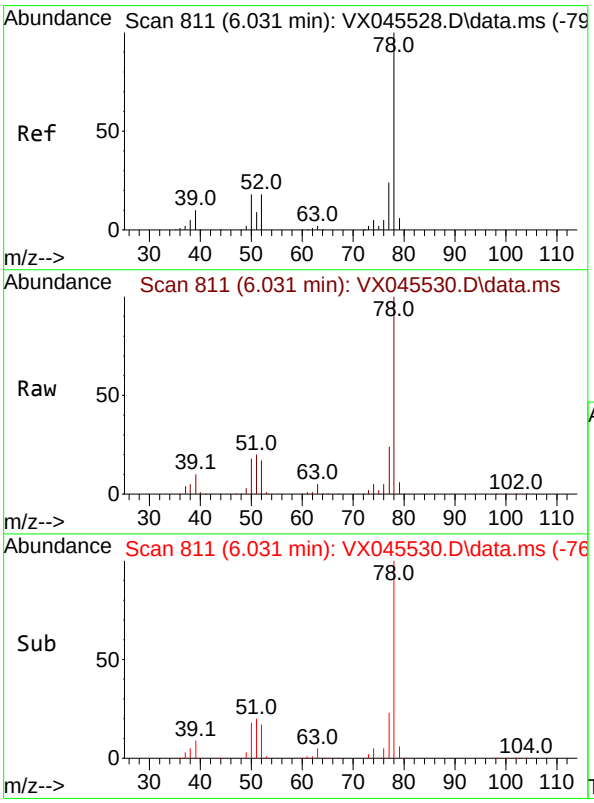
Ion	Ratio	Lower	Upper
83	100		
55	85.4	64.9	97.3
98	49.0	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

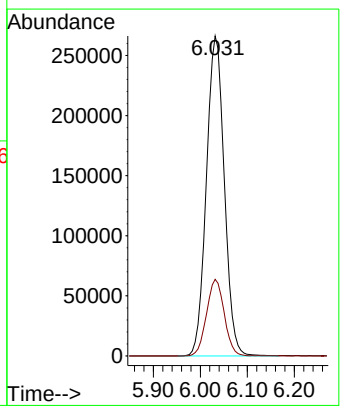
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

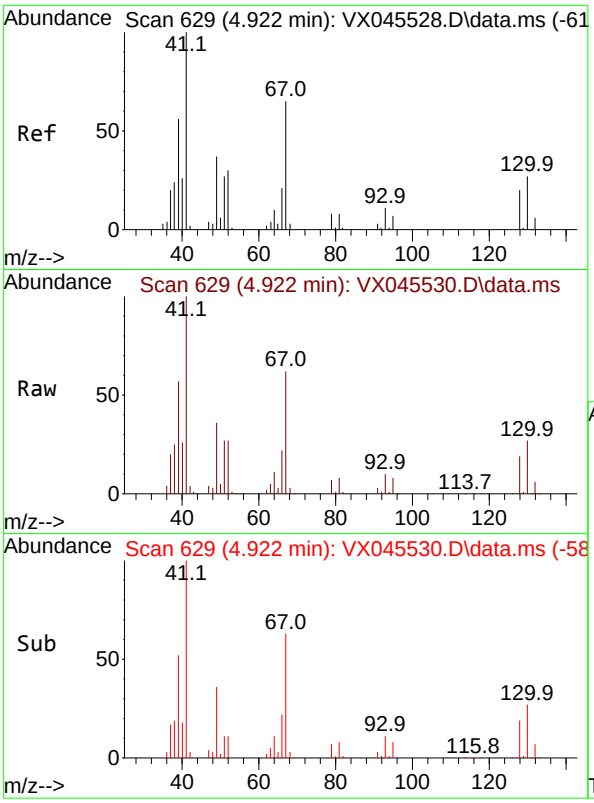


#40
Benzene
Concen: 150.208 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 78 Resp: 703311

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6

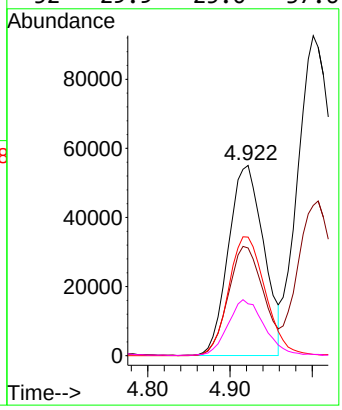




#41
Methacrylonitrile
Concen: 160.155 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 41 Resp: 16469

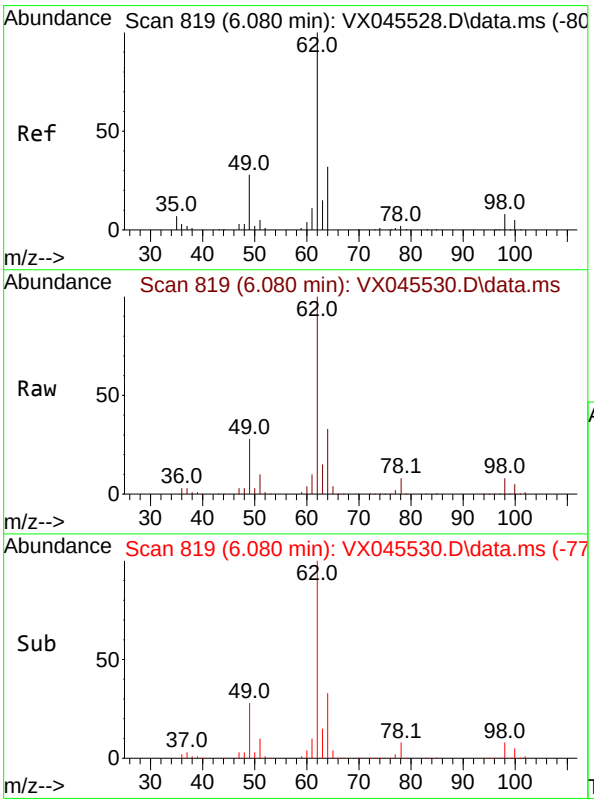
Ion	Ratio	Lower	Upper
41	100		
39	57.4	47.0	70.6
67	65.5	53.2	79.8
52	29.9	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

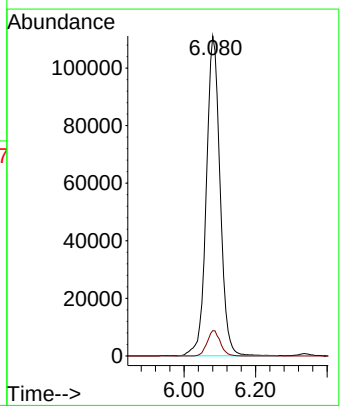
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

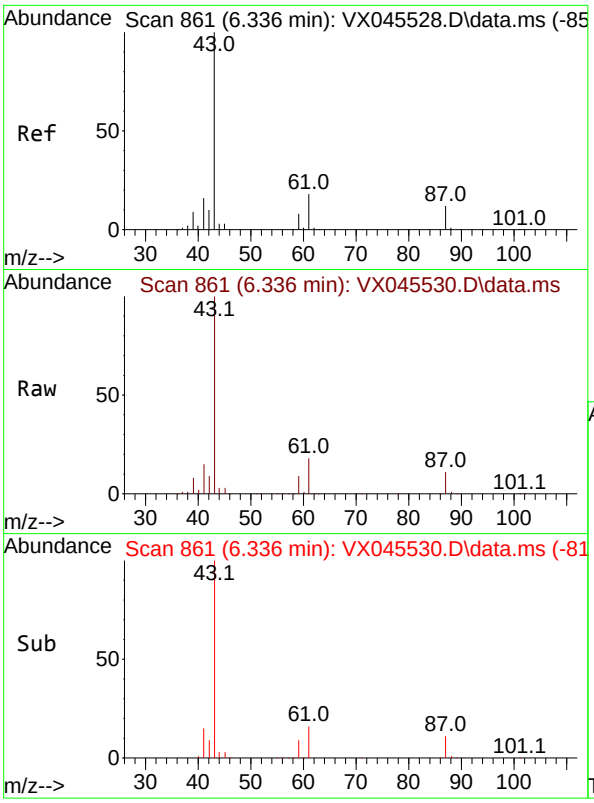


#42
1,2-Dichloroethane
Concen: 153.146 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 62 Resp: 296168

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2

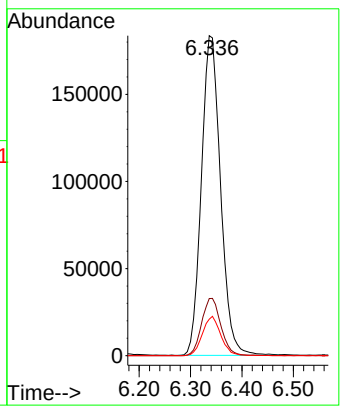




#43
Isopropyl Acetate
Concen: 162.494 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 47582

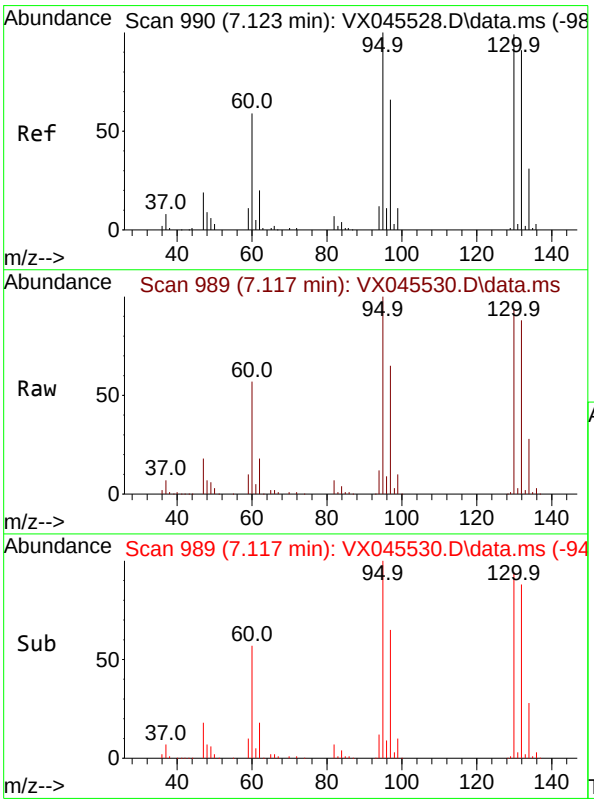
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.1	21.1
87	11.8	9.2	13.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

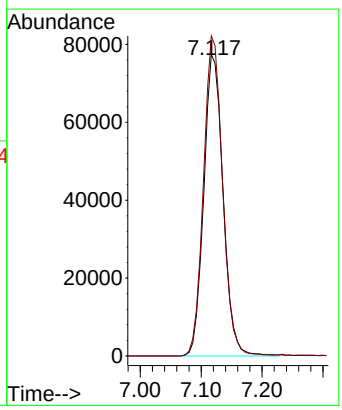
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

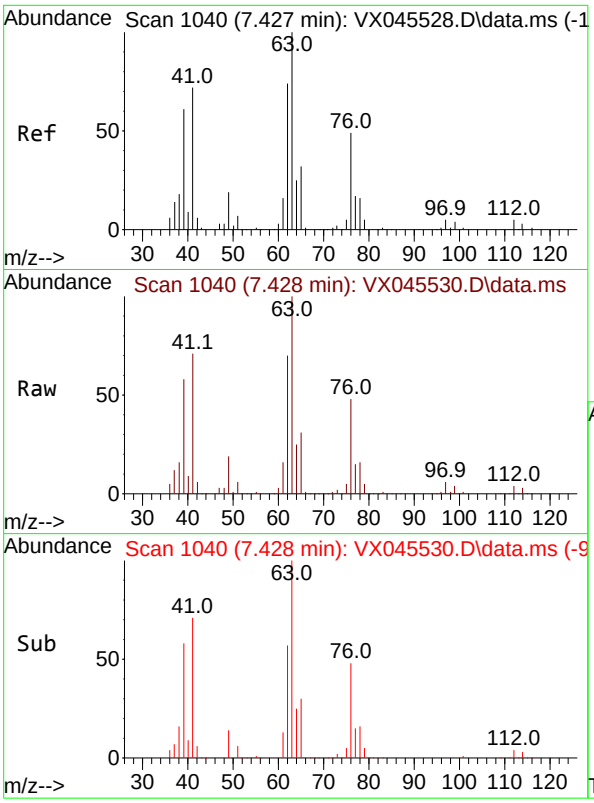


#44
Trichloroethene
Concen: 153.599 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:130 Resp: 170940

Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	202.0

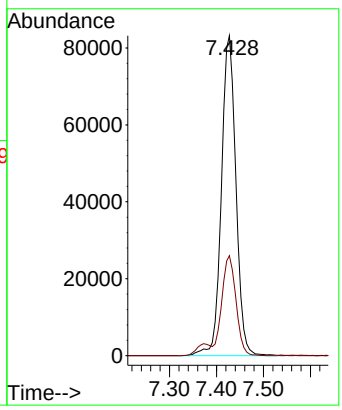




#45
1,2-Dichloropropane
Concen: 153.610 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 63 Resp: 17945

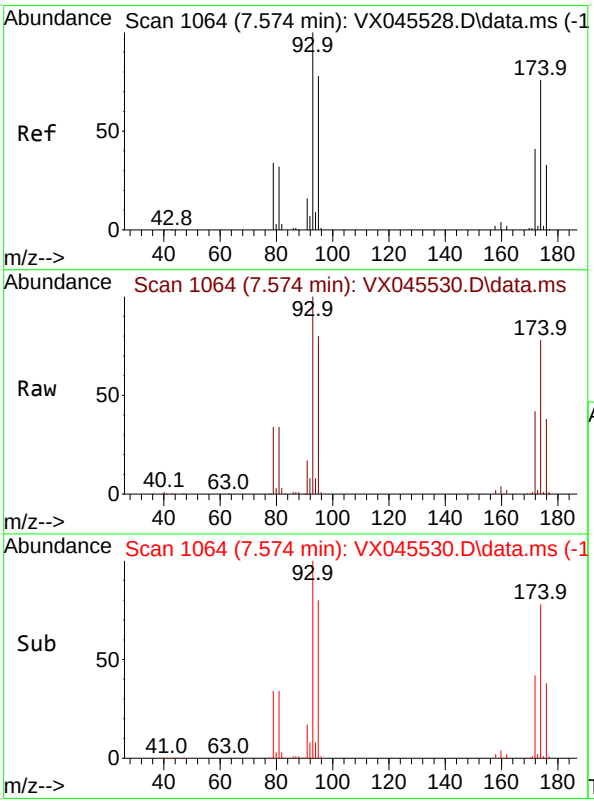
Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

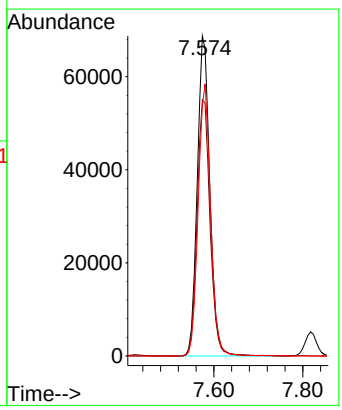
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

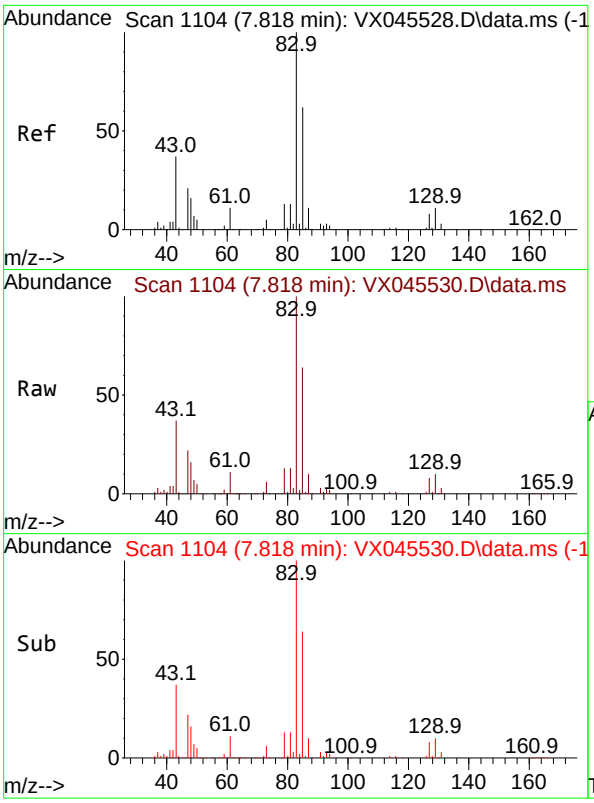


#46
Dibromomethane
Concen: 150.996 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 93 Resp: 135415

Ion	Ratio	Lower	Upper
93	100		
95	82.4	64.8	97.2
174	84.1	65.4	98.0

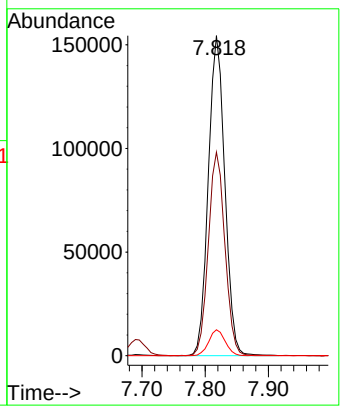




#47
Bromodichloromethane
Concen: 156.272 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 83 Resp: 27988

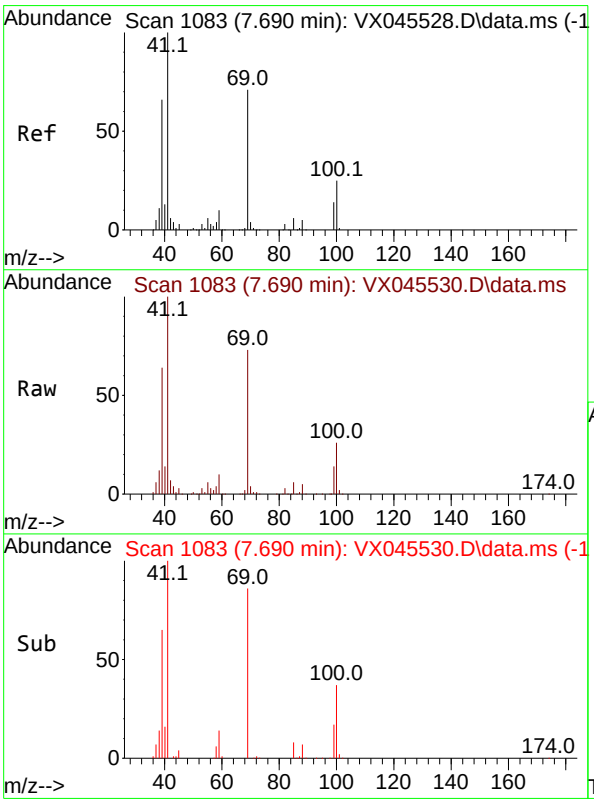
Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.7	74.5
127	8.1	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

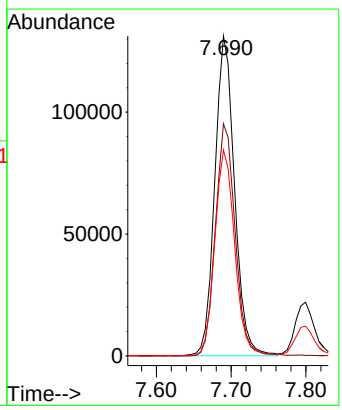
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

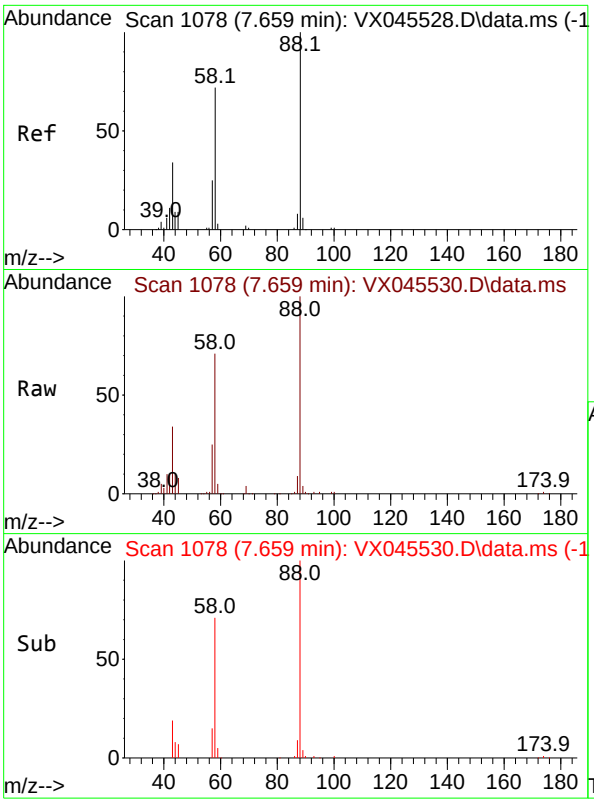


#48
Methyl methacrylate
Concen: 159.281 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 41 Resp: 240818

Ion	Ratio	Lower	Upper
41	100		
69	73.0	58.2	87.2
39	64.9	53.6	80.4





#49
1,4-Dioxane
Concen: 2739.196 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

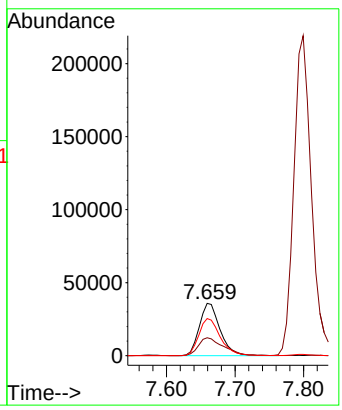
Tgt Ion: 88 Resp: 7492

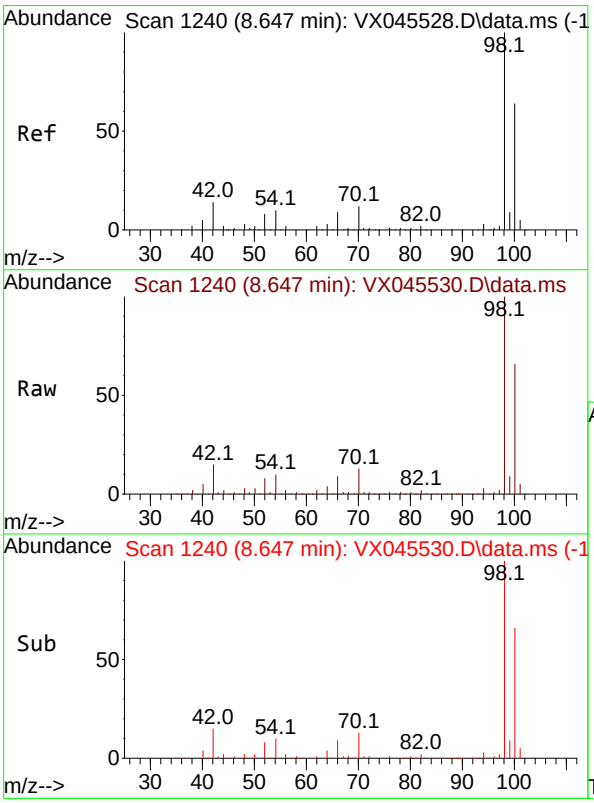
Ion	Ratio	Lower	Upper
88	100		
43	40.8	32.2	48.4
58	74.2	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

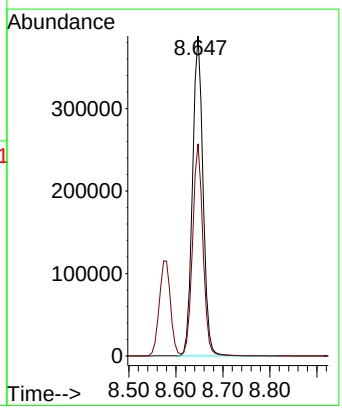


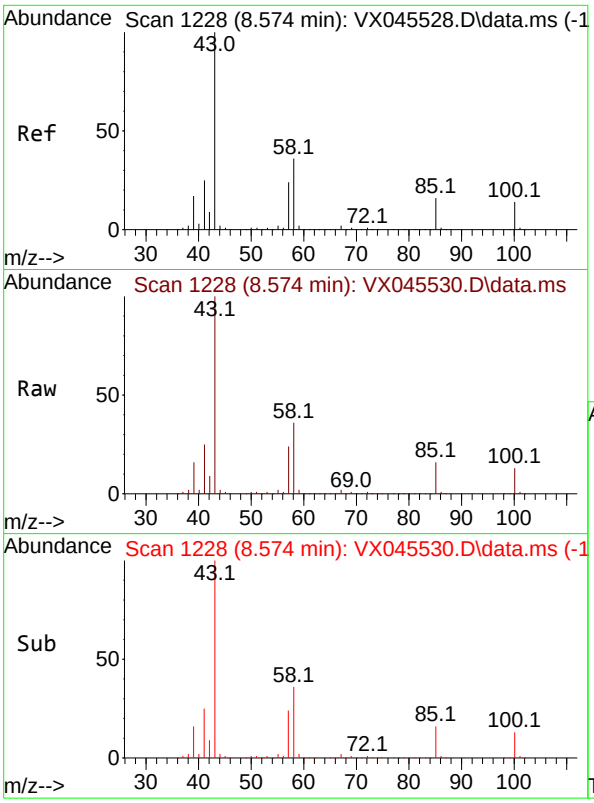


#50
Toluene-d8
Concen: 152.216 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 98 Resp: 603264

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.4

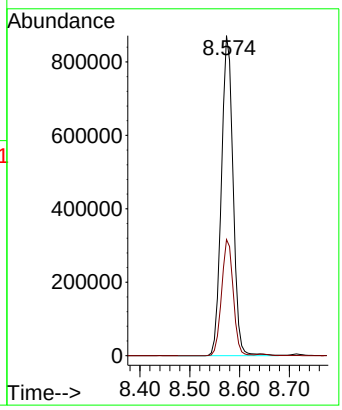




#51
4-Methyl-2-Pentanone
Concen: 728.817 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 141477

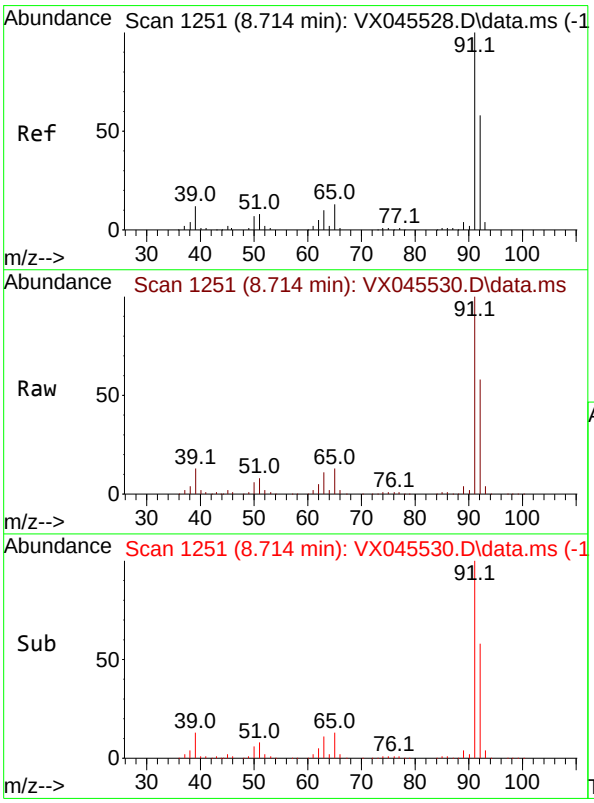
Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

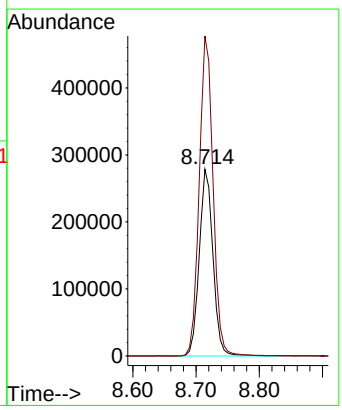
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

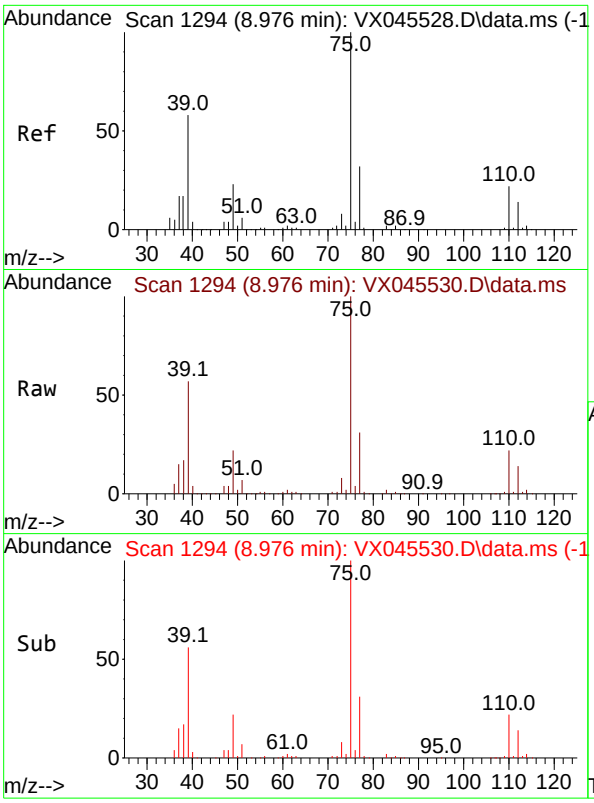


#52
Toluene
Concen: 148.245 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 92 Resp: 420015

Ion	Ratio	Lower	Upper
92	100		
91	173.3	138.7	208.1

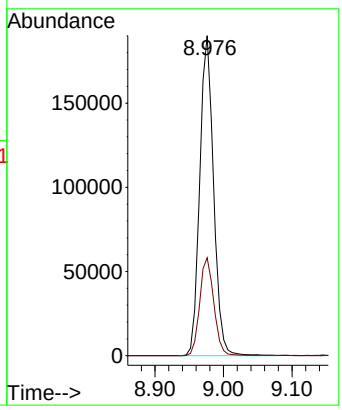




#53
t-1,3-Dichloropropene
Concen: 150.589 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 26767

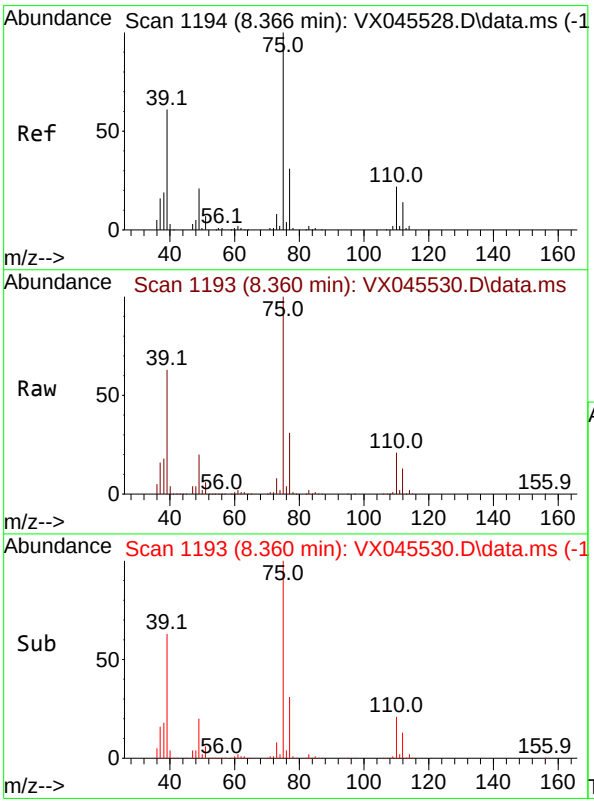
Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

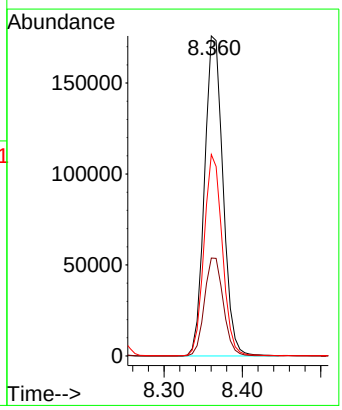
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

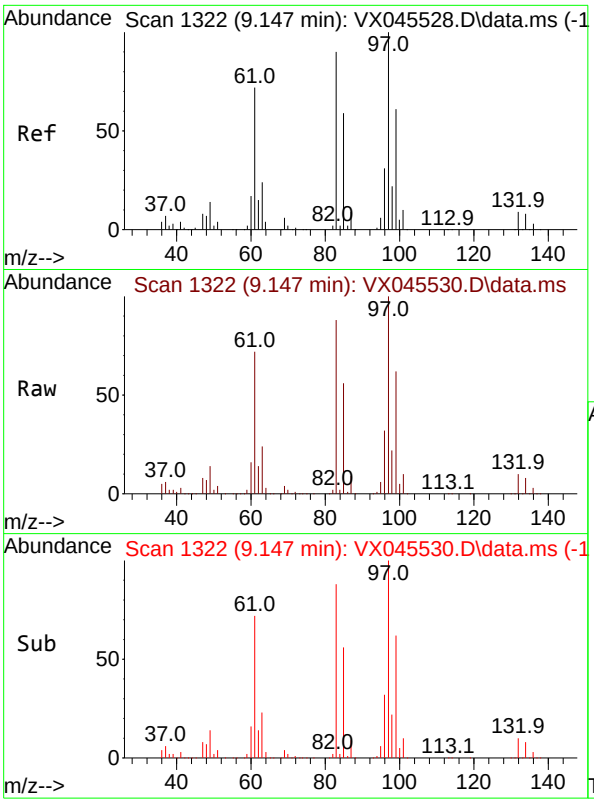


#54
cis-1,3-Dichloropropene
Concen: 171.104 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 287973

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.6	36.8
39	62.9	48.4	72.6

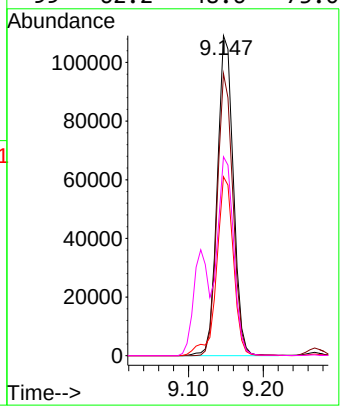




#55
1,1,2-Trichloroethane
Concen: 144.752 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 97 Resp: 16342

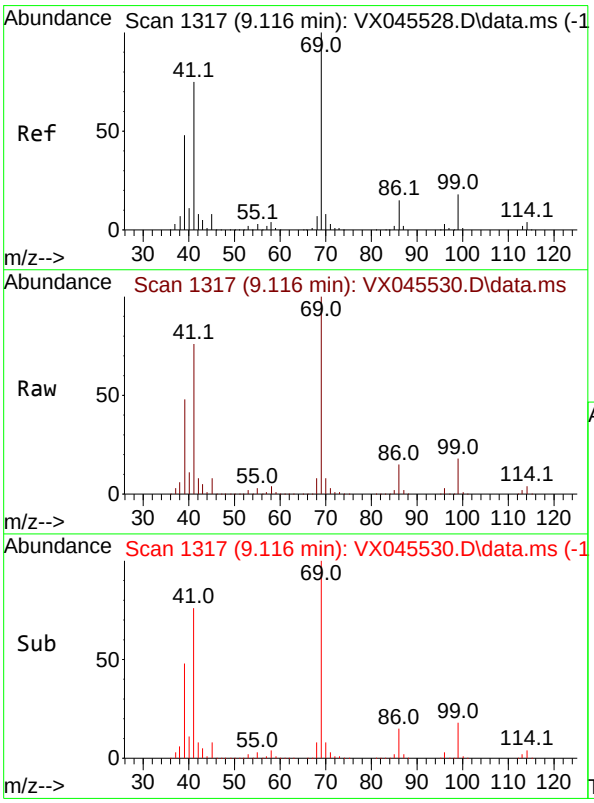
Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.8	107.8
85	55.9	47.0	70.6
99	62.2	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

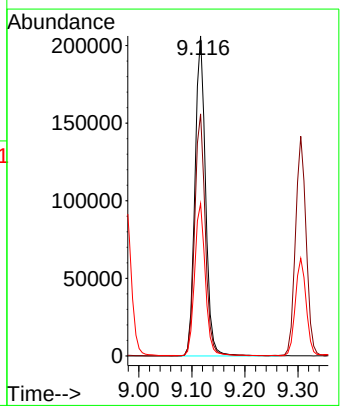
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

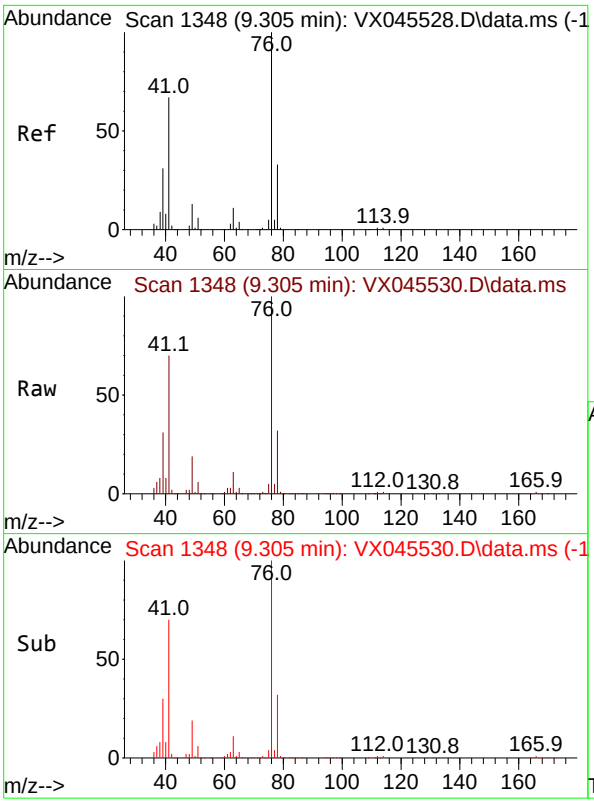


#56
Ethyl methacrylate
Concen: 163.624 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 69 Resp: 285895

Ion	Ratio	Lower	Upper
69	100		
41	76.2	61.3	91.9
39	48.0	40.2	60.2

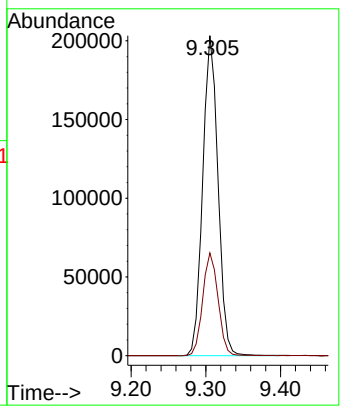




#57
1,3-Dichloropropane
Concen: 146.708 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 76 Resp: 28843

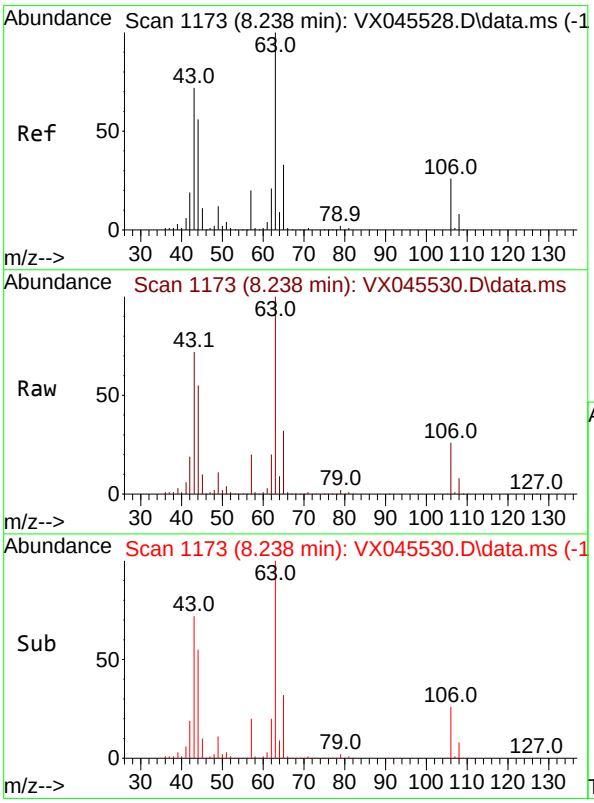
Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

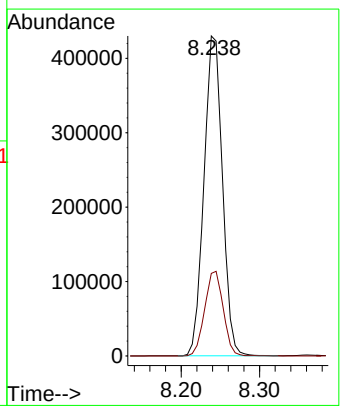
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

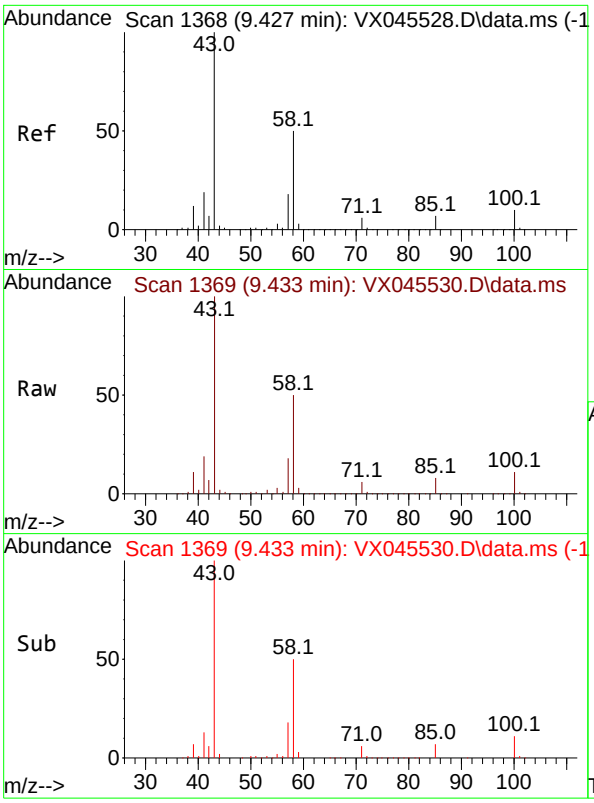


#58
2-Chloroethyl Vinyl ether
Concen: 796.340 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 63 Resp: 703881

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.6





#59
2-Hexanone
Concen: 733.198 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

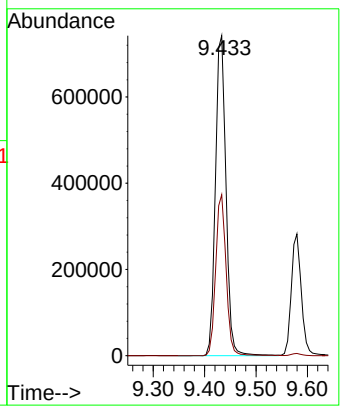
Tgt Ion: 43 Resp: 105397

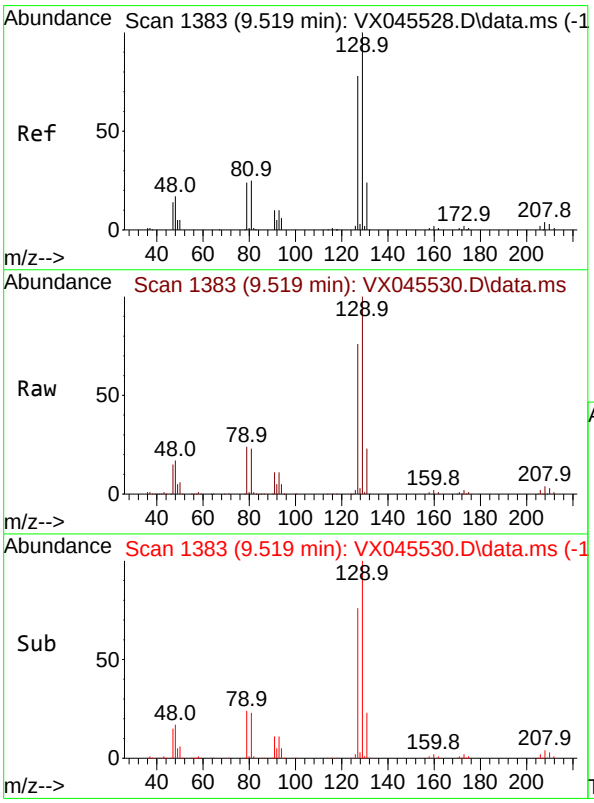
Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

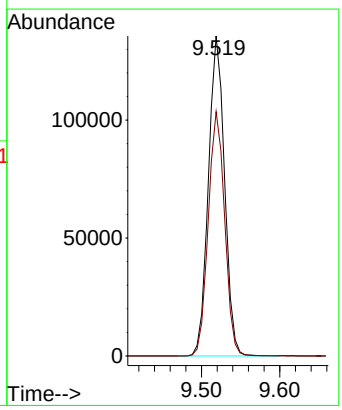


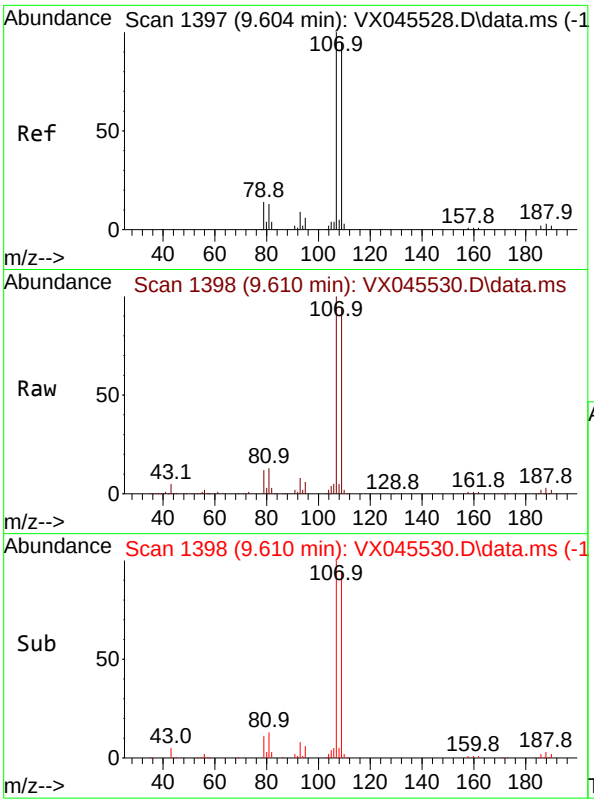


#60
Dibromochloromethane
Concen: 157.895 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:129 Resp: 194342

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.4	118.2

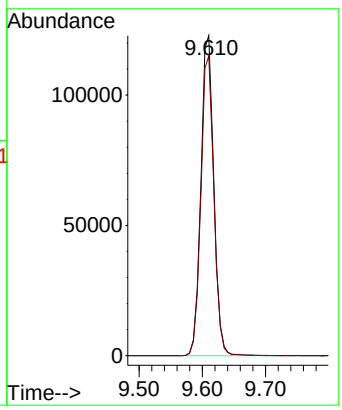




#61
1,2-Dibromoethane
Concen: 152.745 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:107 Resp: 17457

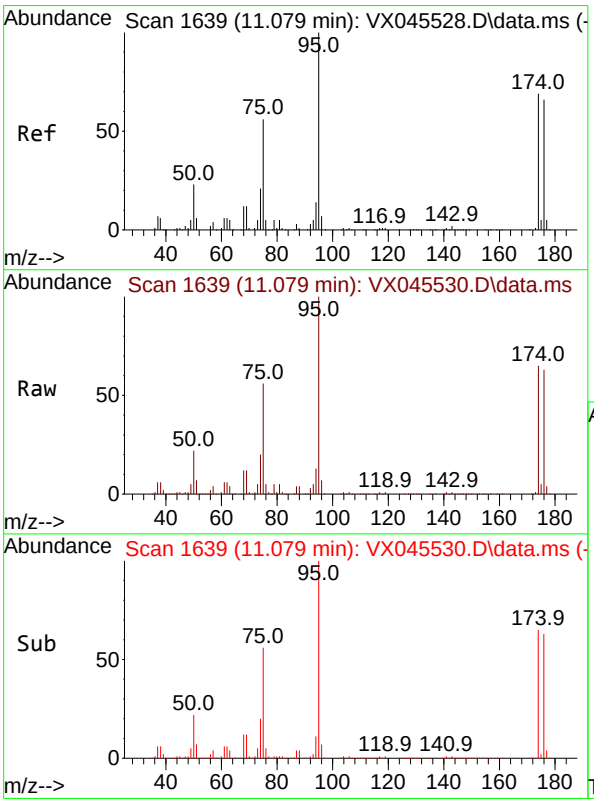
Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

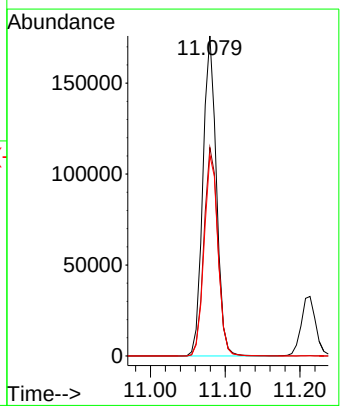
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

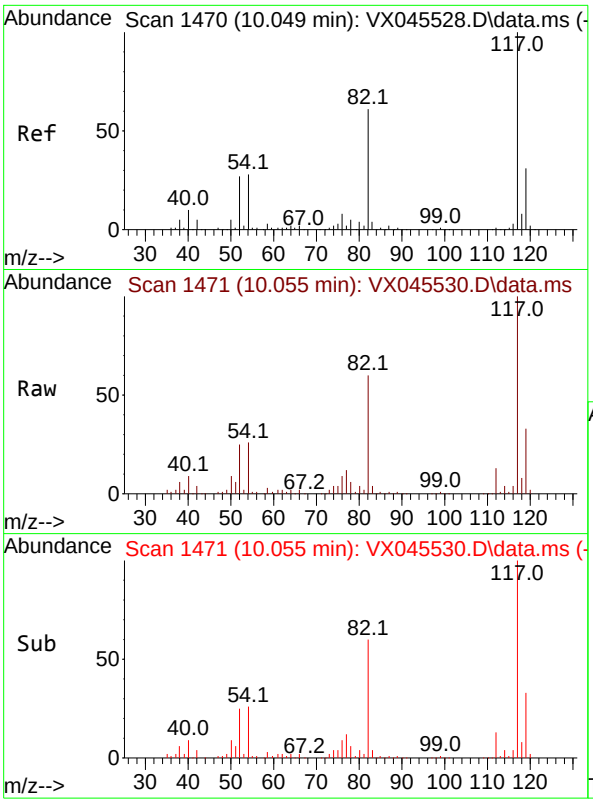


#62
4-Bromofluorobenzene
Concen: 153.035 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 95 Resp: 220921

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	135.8
176	64.3	0.0	131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

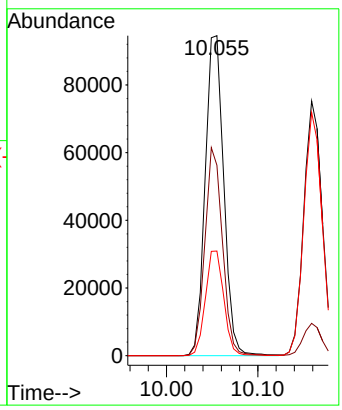
Tgt Ion:117 Resp: 13334

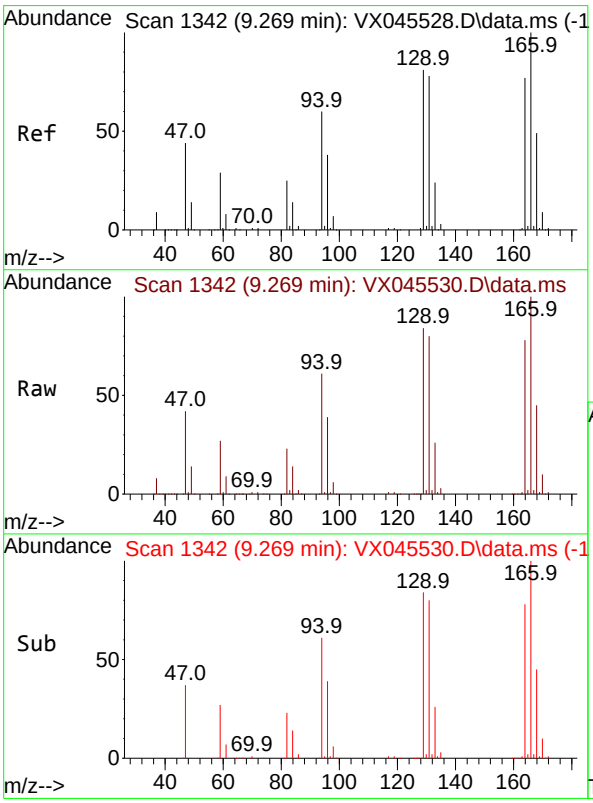
Ion	Ratio	Lower	Upper
117	100		
82	59.5	49.2	73.8
119	32.7	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

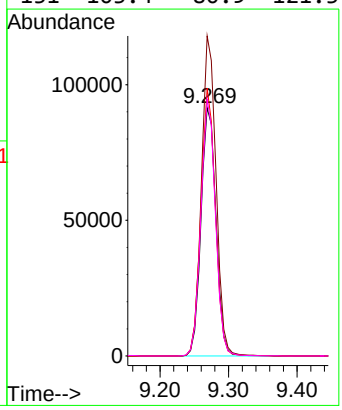


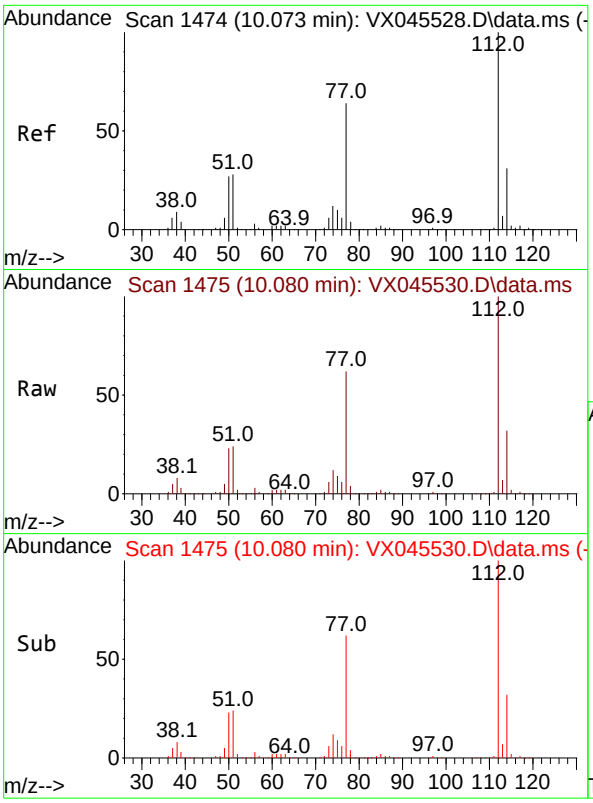


#64
Tetrachloroethene
Concen: 147.568 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:164 Resp: 138926

Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.8	155.8
129	107.9	84.3	126.5
131	103.4	80.9	121.3

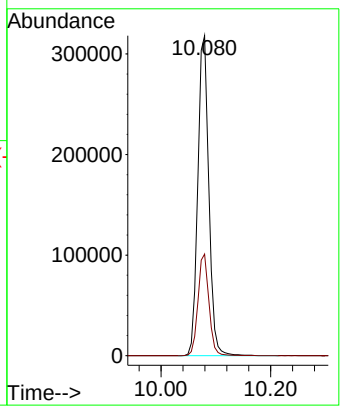




#65
Chlorobenzene
Concen: 156.049 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:112 Resp: 44463

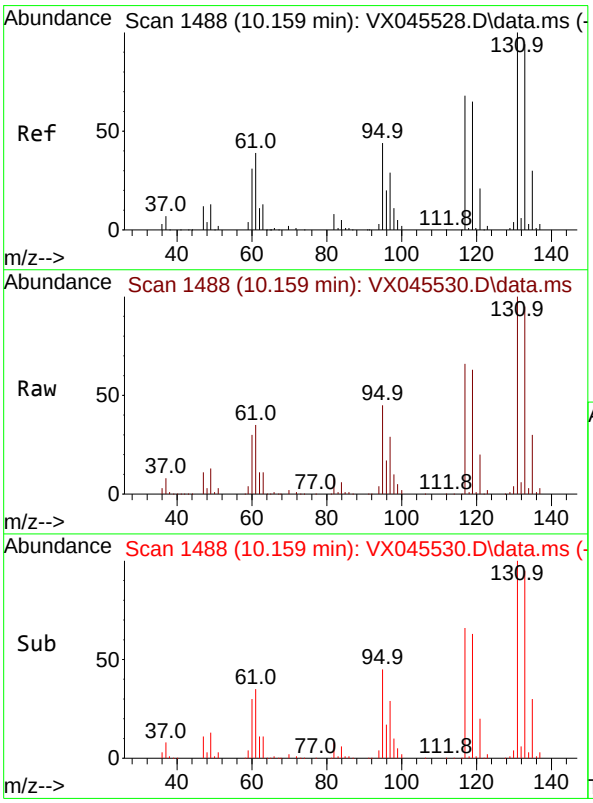
Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

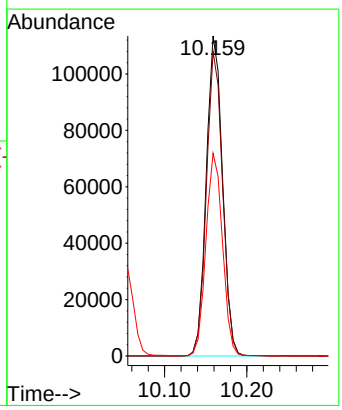
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

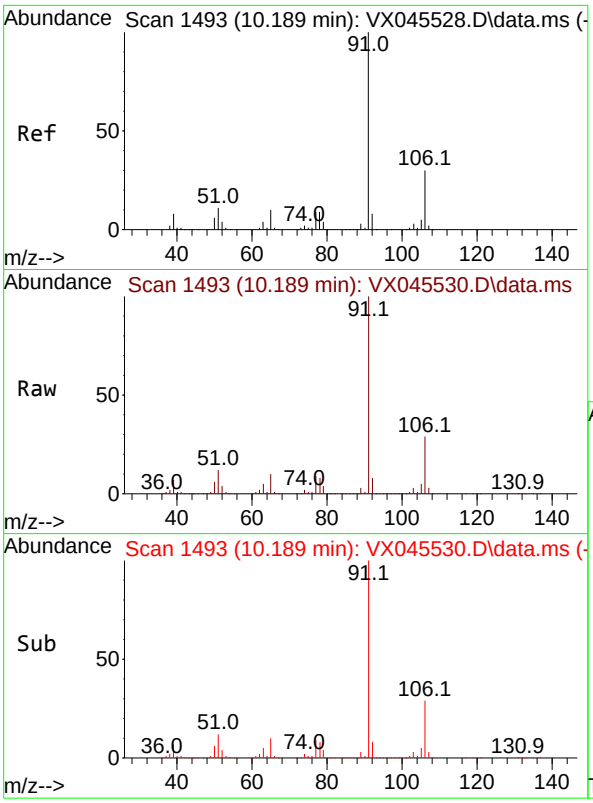


#66
1,1,1,2-Tetrachloroethane
Concen: 157.769 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:131 Resp: 156069

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.5	142.5
119	64.4	32.9	98.6

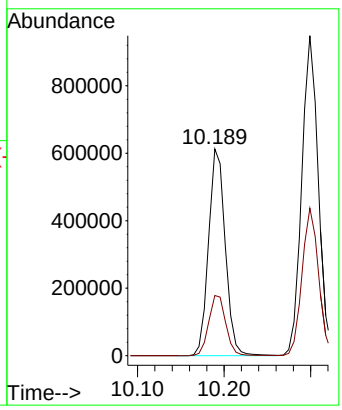




#67
Ethyl Benzene
Concen: 160.907 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 91 Resp: 82113

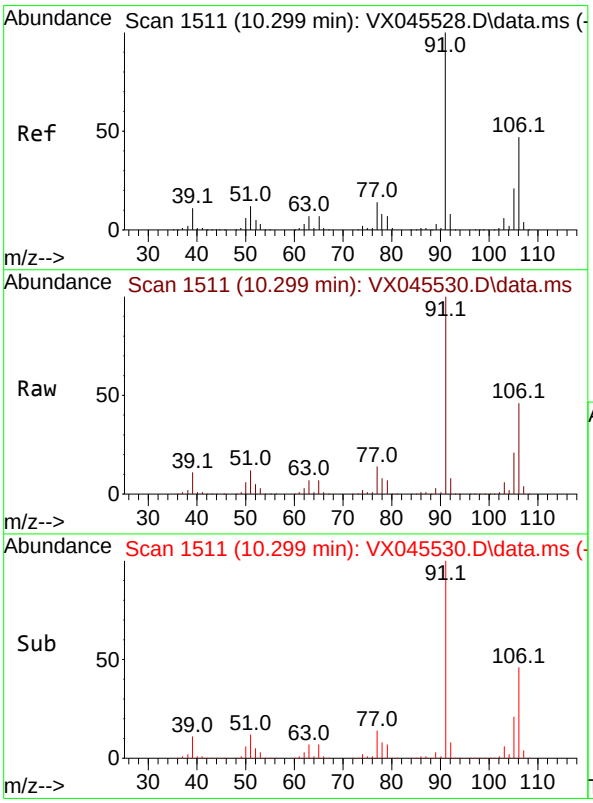
Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

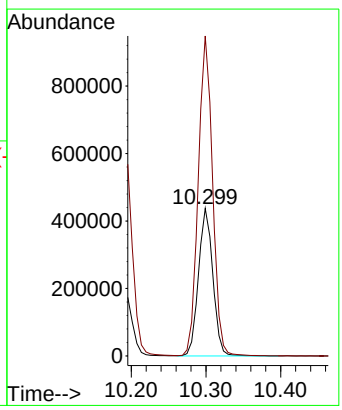
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

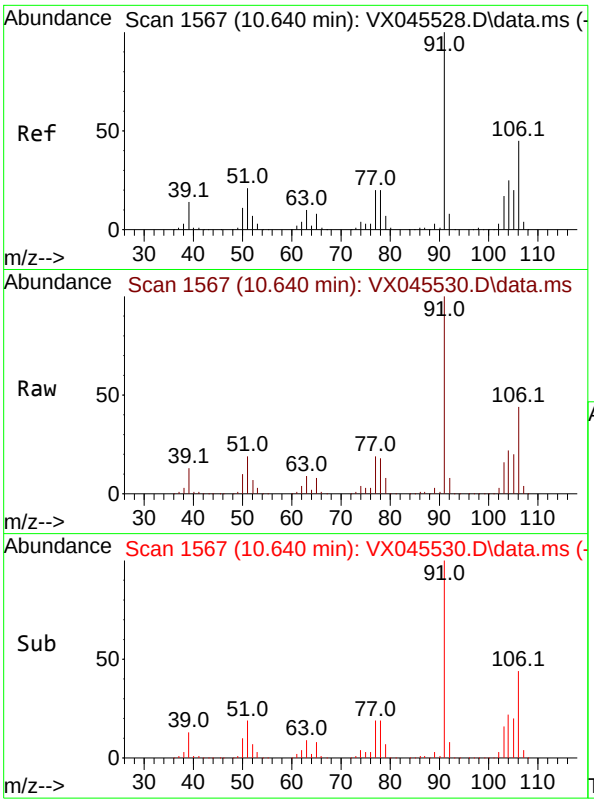


#68
m/p-Xylenes
Concen: 314.231 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:106 Resp: 583228

Ion	Ratio	Lower	Upper
106	100		
91	216.7	172.6	258.8

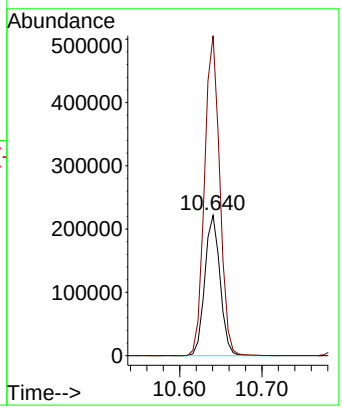




#69
o-Xylene
Concen: 156.241 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:106 Resp: 28567

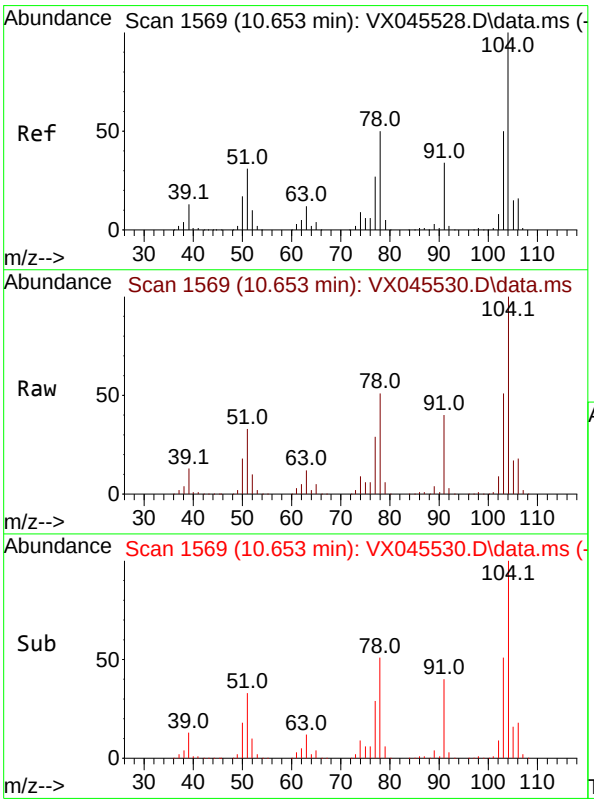
Ion	Ratio	Lower	Upper
106	100		
91	227.6	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

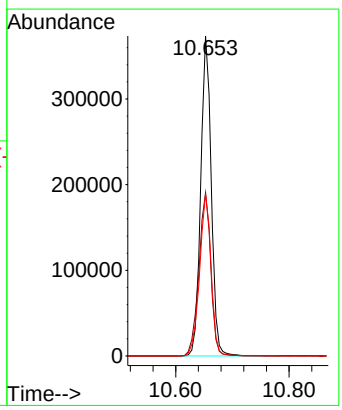
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

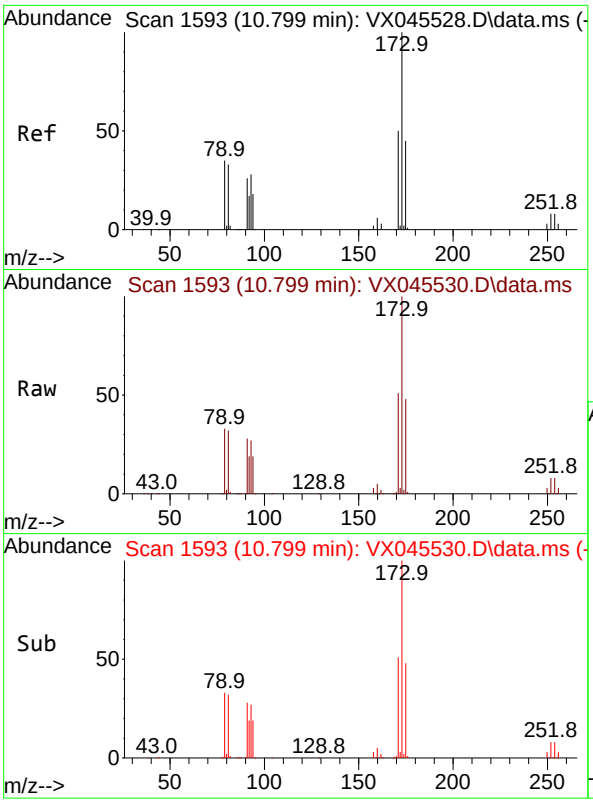


#70
Styrene
Concen: 159.299 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:104 Resp: 480722

Ion	Ratio	Lower	Upper
104	100		
78	57.9	45.4	68.2
103	55.4	43.8	65.8

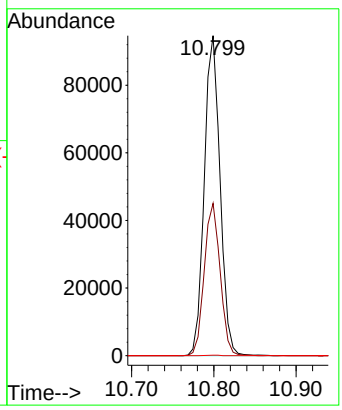




#71
Bromoform
Concen: 170.743 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:173 Resp: 12611

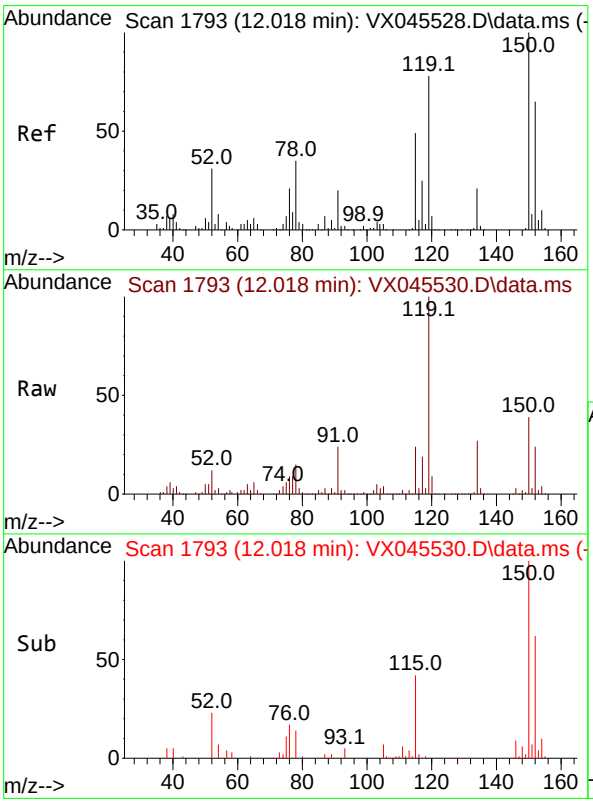
Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.4	70.2
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

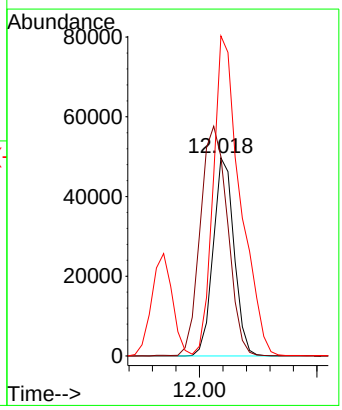
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

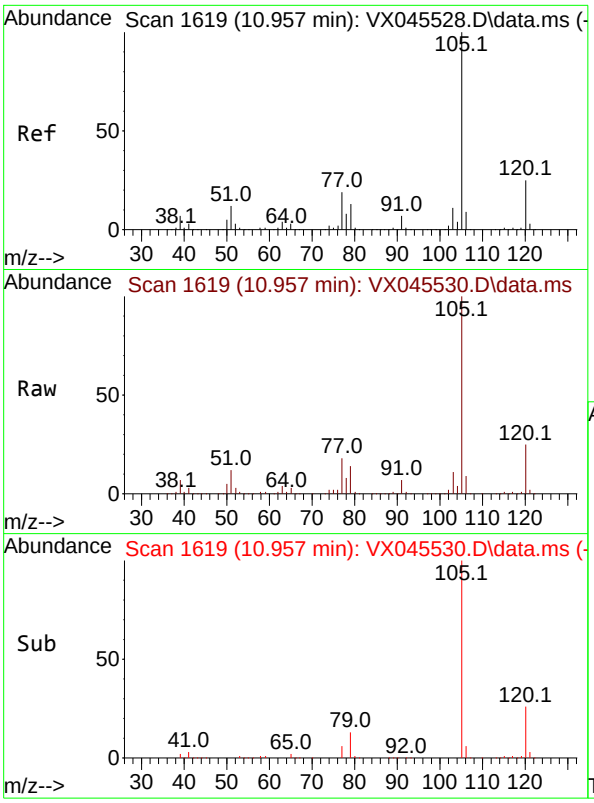


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:152 Resp: 61380

Ion	Ratio	Lower	Upper
152	100		
115	151.4	46.9	140.7#
150	208.6	0.0	349.4

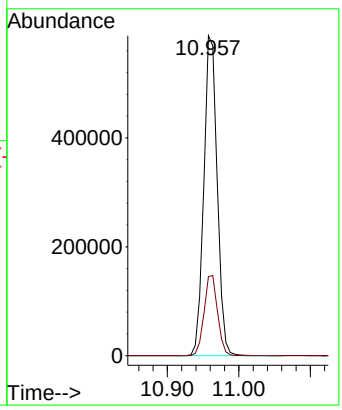




#73
Isopropylbenzene
Concen: 155.475 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:105 Resp: 76440

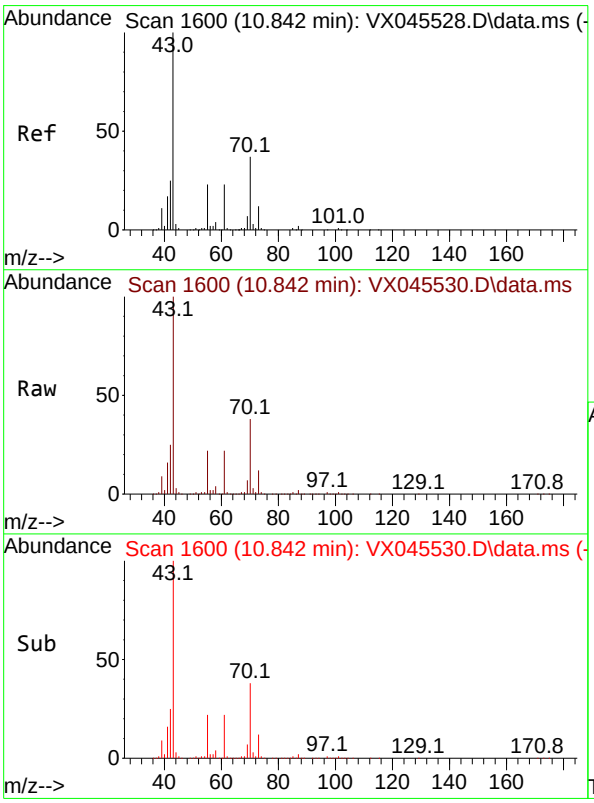
Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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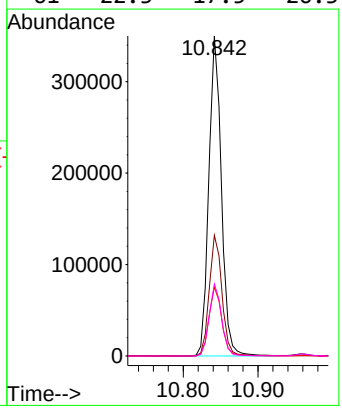
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

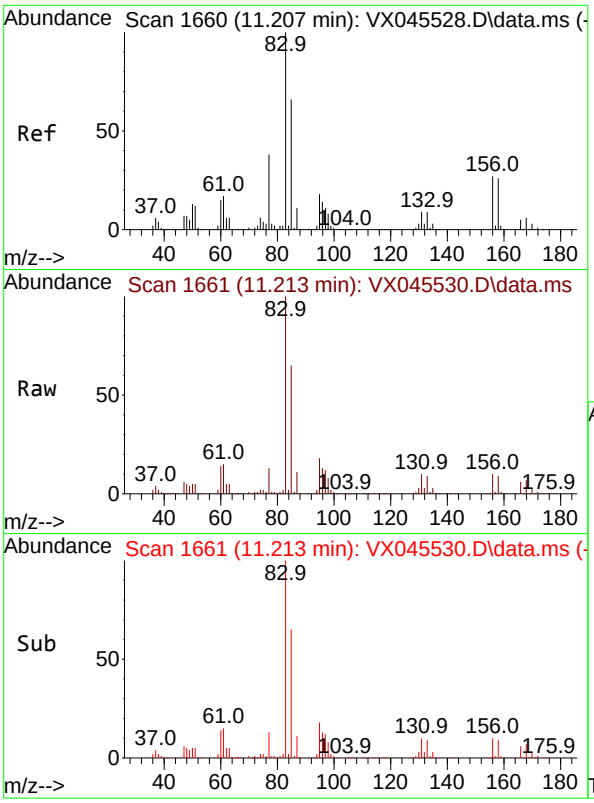


#74
N-amyl acetate
Concen: 173.877 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 408934

Ion	Ratio	Lower	Upper
43	100		
70	38.3	30.1	45.1
55	22.0	18.3	27.5
61	22.3	17.5	26.3

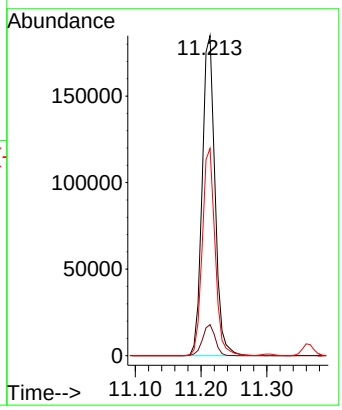




#75
1,1,2,2-Tetrachloroethane
Concen: 144.737 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 83 Resp: 24998

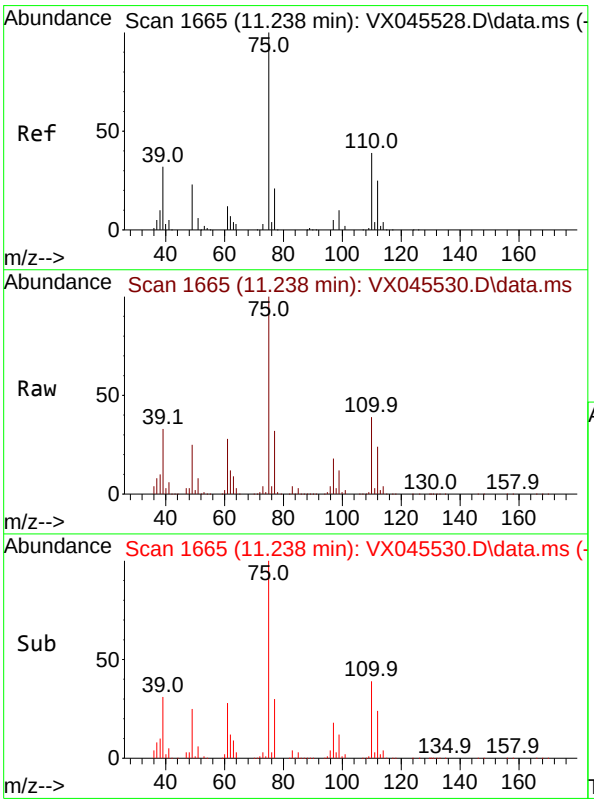
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	64.8	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

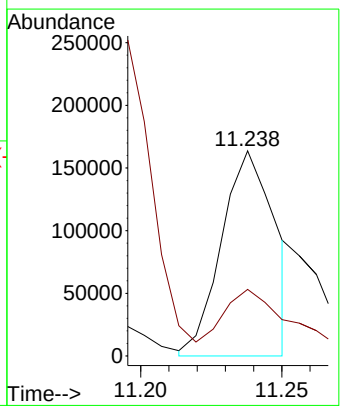
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

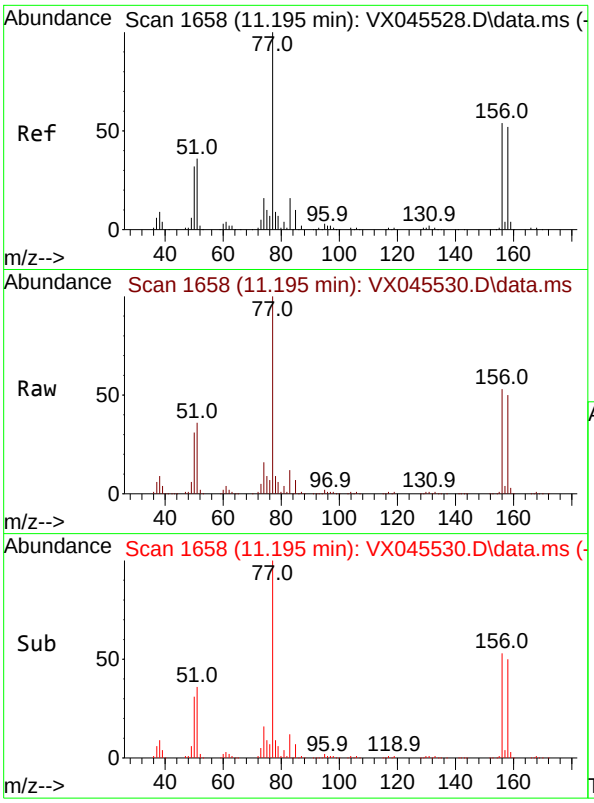


#76
1,2,3-Trichloropropane
Concen: 144.064 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 215694

Ion	Ratio	Lower	Upper
75	100		
77	42.3	20.0	59.9





#77
Bromobenzene
Concen: 151.033 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

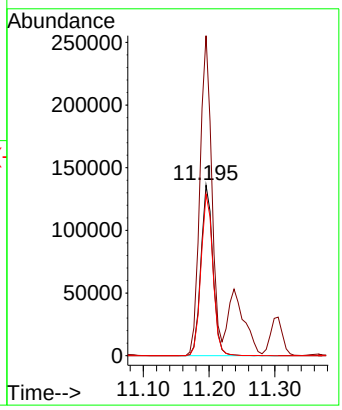
Tgt Ion:156 Resp: 17157

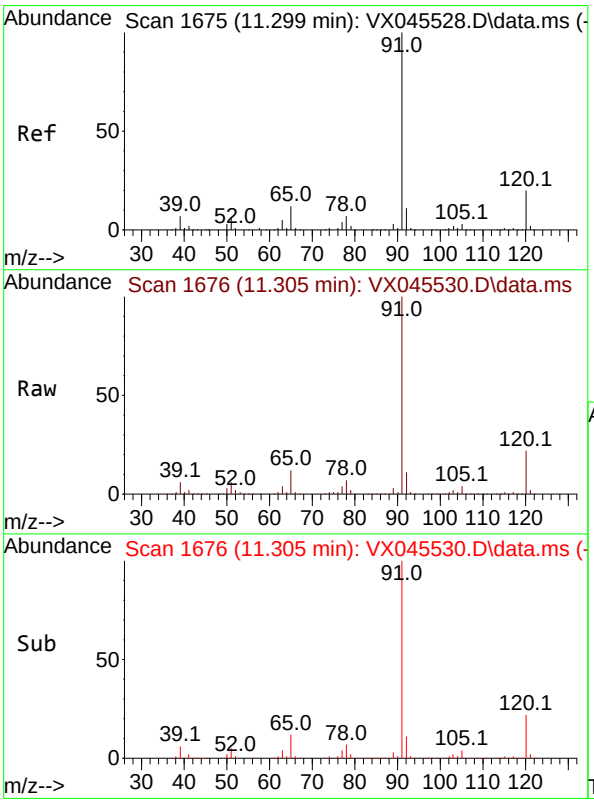
Ion	Ratio	Lower	Upper
156	100		
77	185.8	92.6	277.8
158	95.3	48.1	144.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

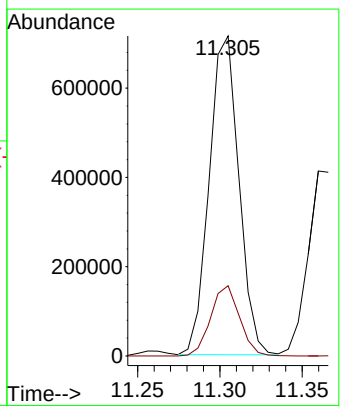


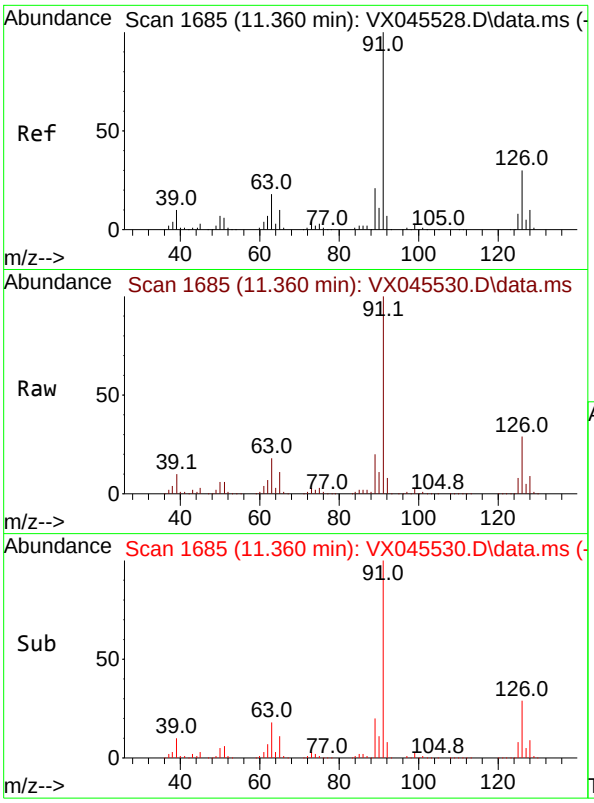


#78
n-propylbenzene
Concen: 158.408 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 91 Resp: 897084

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





#79
2-Chlorotoluene
Concen: 148.399 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

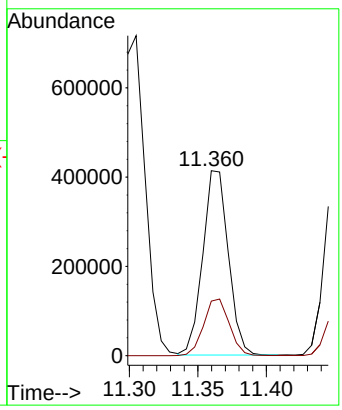
Tgt Ion: 91 Resp: 53726

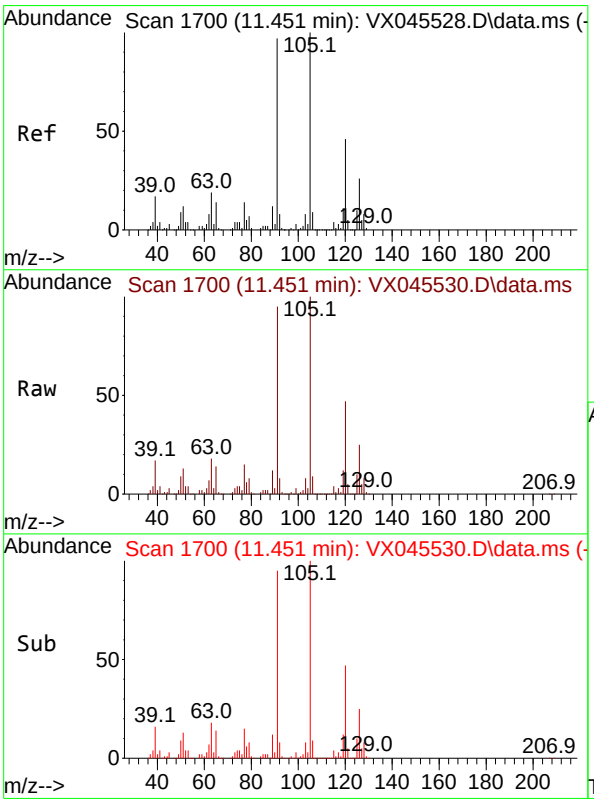
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

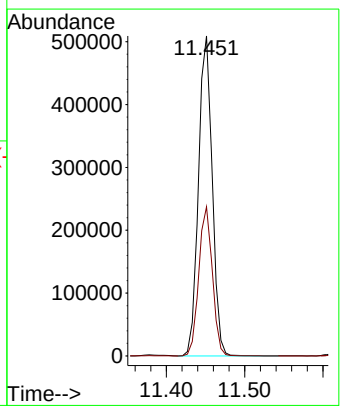


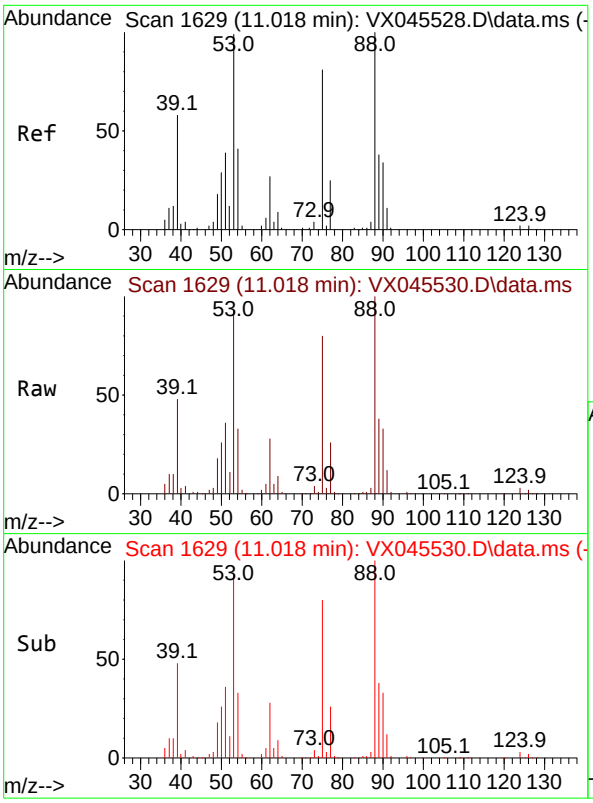


#80
1,3,5-Trimethylbenzene
Concen: 152.700 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:105 Resp: 620819

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0

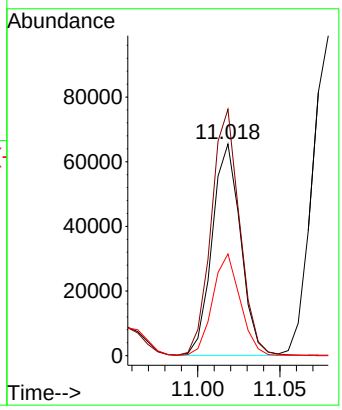




#81
trans-1,4-Dichloro-2-butene
Concen: 178.636 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 7880

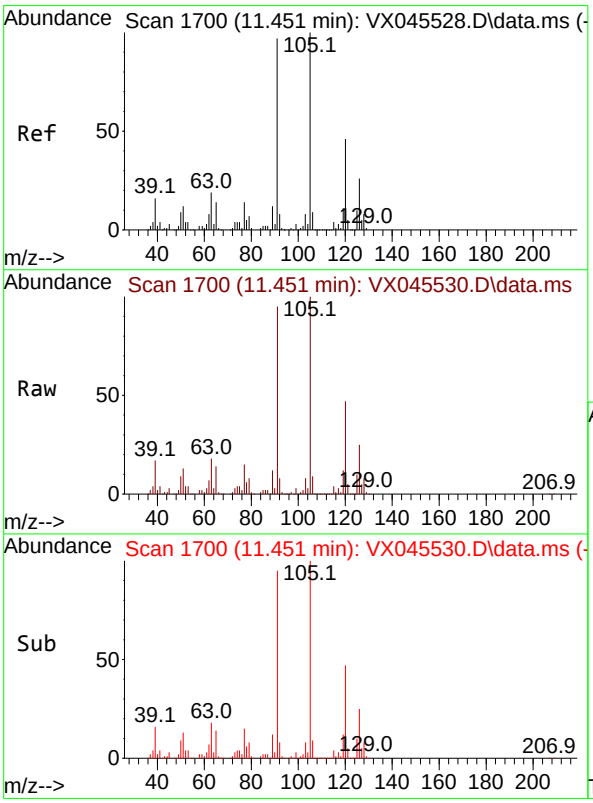
Ion	Ratio	Lower	Upper
75	100		
53	116.0	101.8	152.6
89	46.8	37.2	55.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

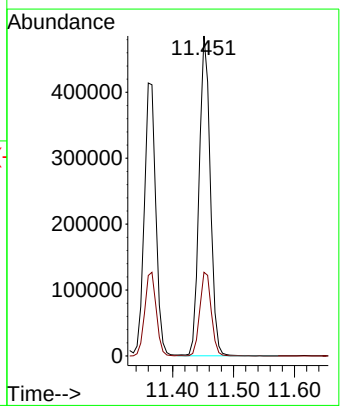
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

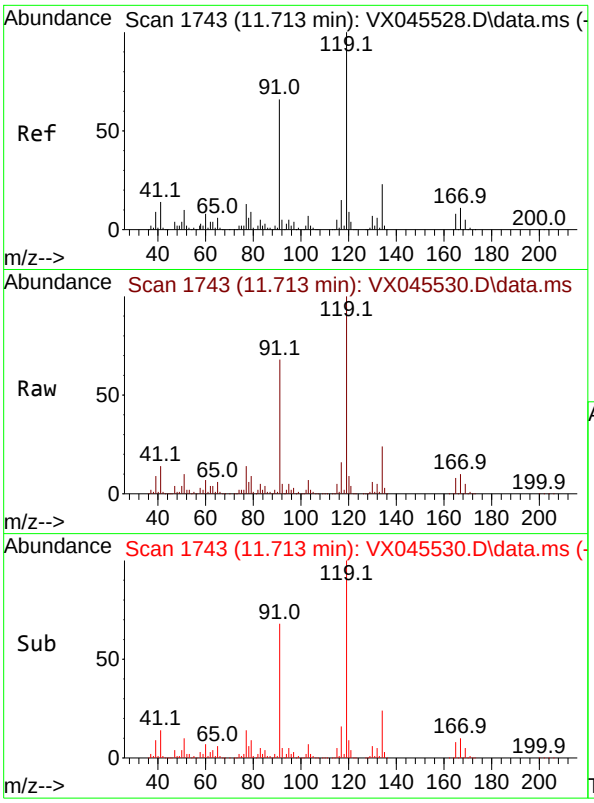


#82
4-Chlorotoluene
Concen: 152.505 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 91 Resp: 615594

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.9

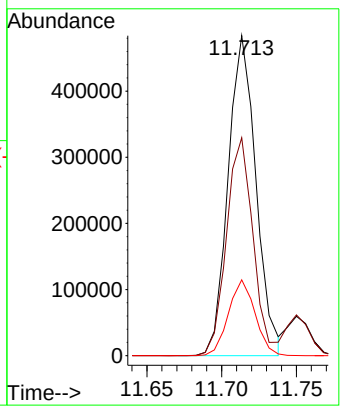




#83
tert-Butylbenzene
Concen: 155.783 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:119 Resp: 62703

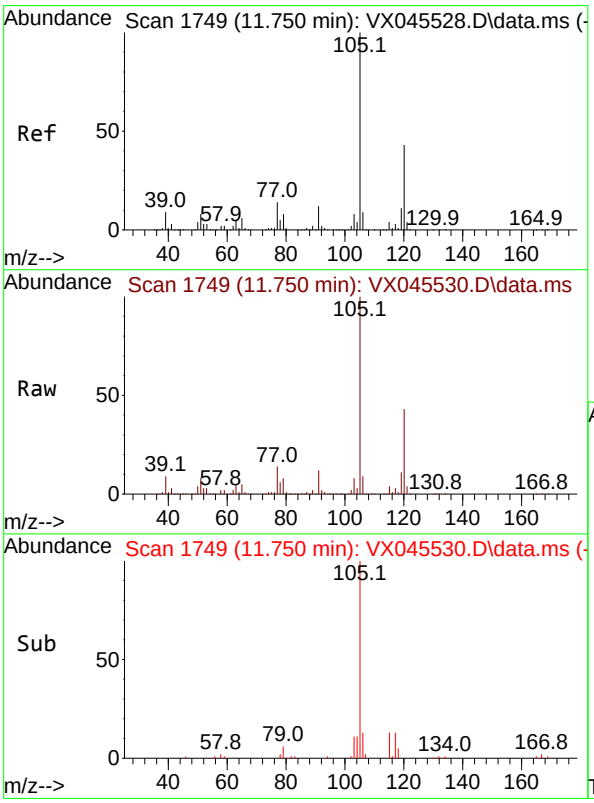
Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.4	97.2
134	22.7	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

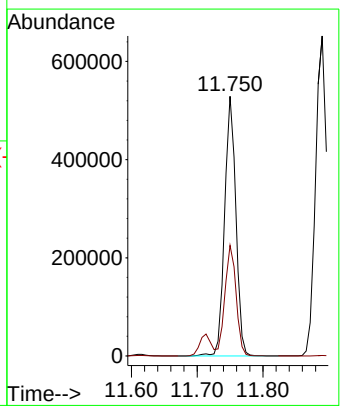
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

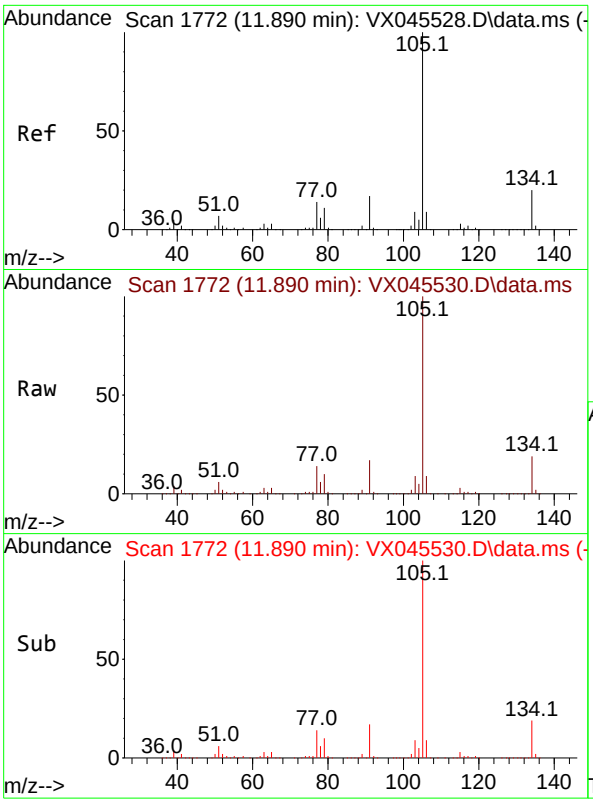


#84
1,2,4-Trimethylbenzene
Concen: 154.317 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:105 Resp: 629704

Ion	Ratio	Lower	Upper
105	100		
120	42.7	21.4	64.3

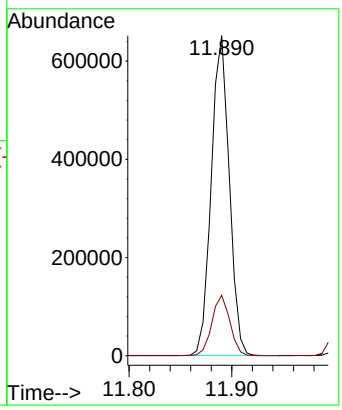




#85
sec-Butylbenzene
Concen: 159.869 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:105 Resp: 79035

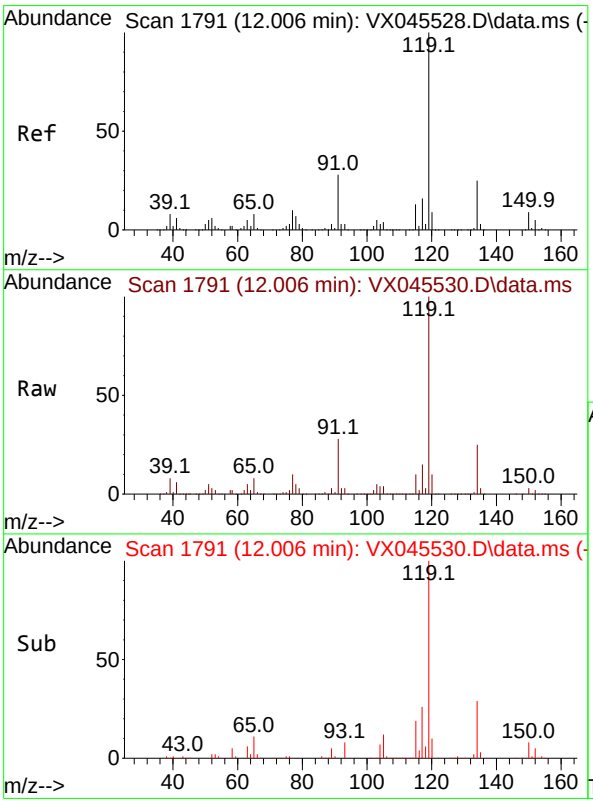
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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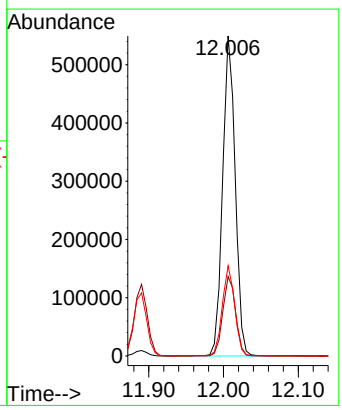
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

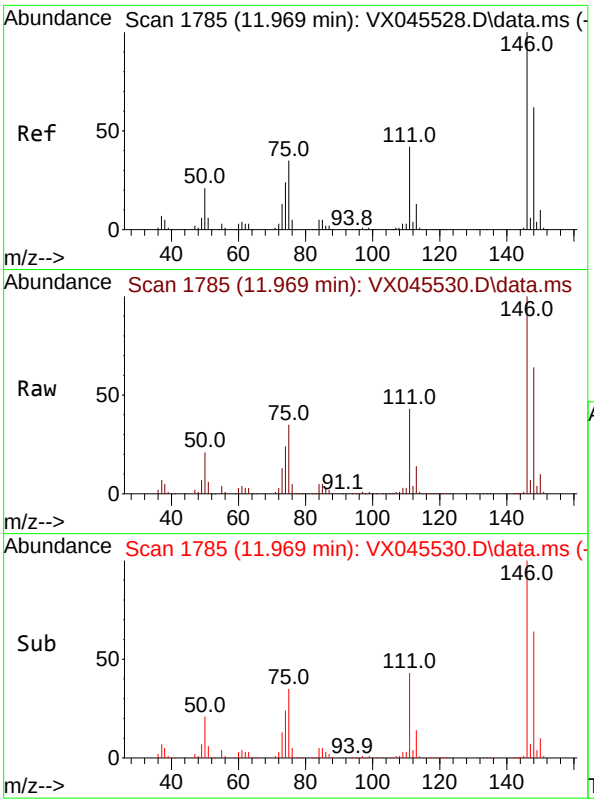


#86
p-Isopropyltoluene
Concen: 157.397 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:119 Resp: 641521

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.6	37.8
91	27.6	13.7	41.1





#87
1,3-Dichlorobenzene
Concen: 151.885 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

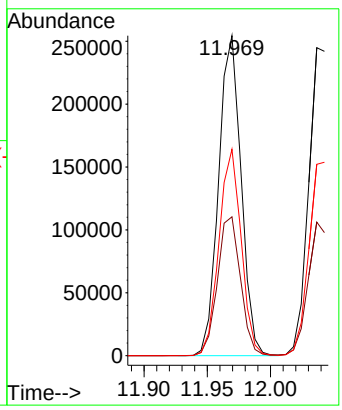
Tgt Ion:146 Resp: 31407

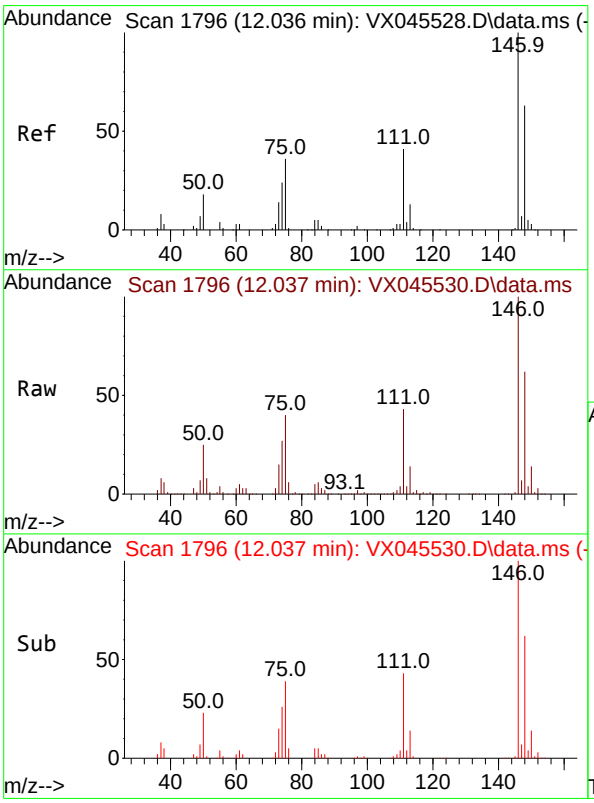
Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.2	66.6
148	63.6	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

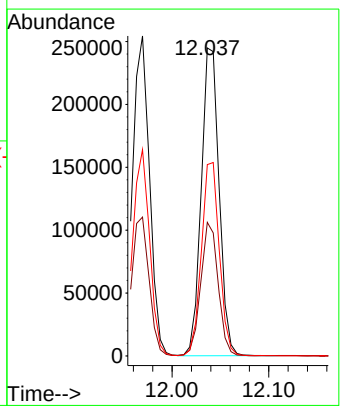


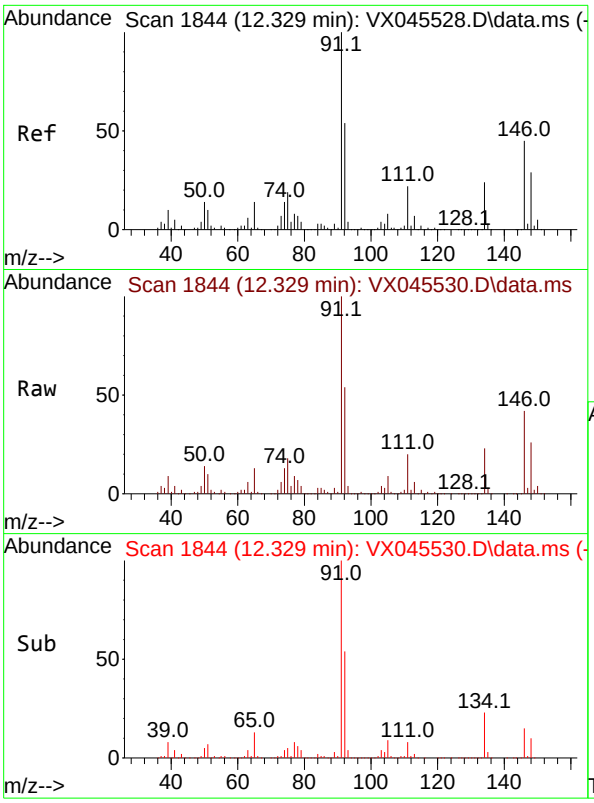


#88
1,4-Dichlorobenzene
Concen: 149.876 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:146 Resp: 314197

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	63.5	31.5	94.5

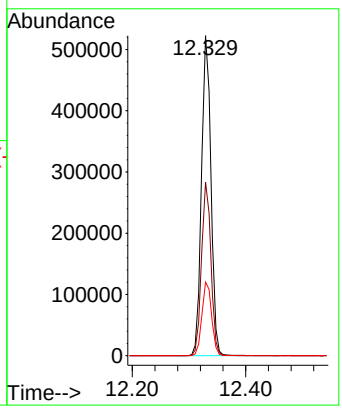




#89
n-Butylbenzene
Concen: 171.019 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 91 Resp: 60444

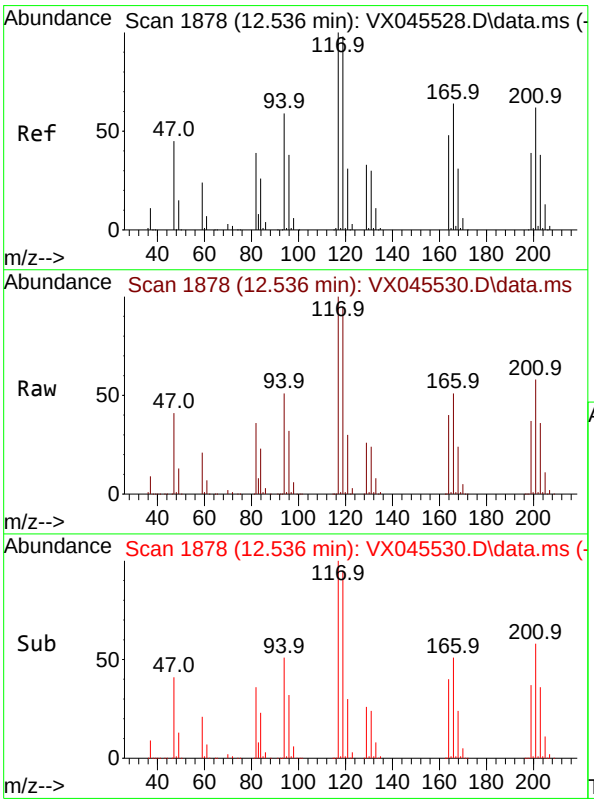
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.9	80.6
134	23.6	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

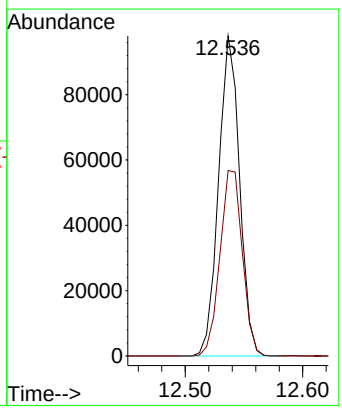
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

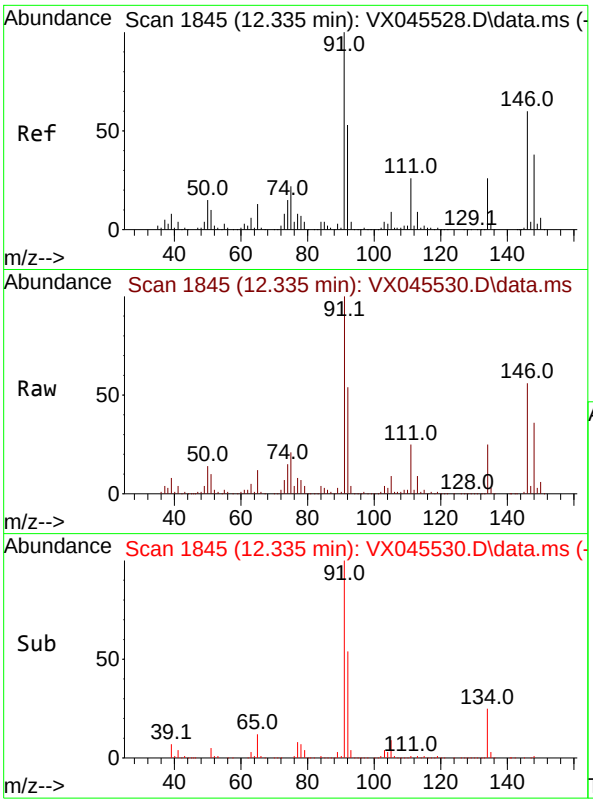


#90
Hexachloroethane
Concen: 173.829 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:117 Resp: 121761

Ion	Ratio	Lower	Upper
117	100		
201	61.9	31.2	93.6

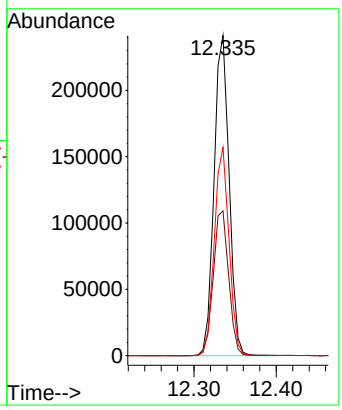




#91
1,2-Dichlorobenzene
Concen: 149.342 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:146 Resp: 30703

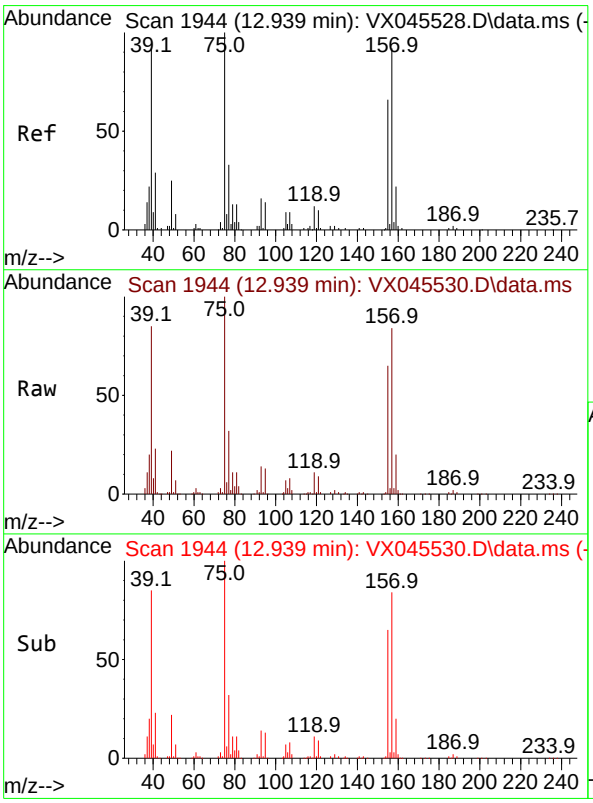
Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.9	68.8
148	63.8	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

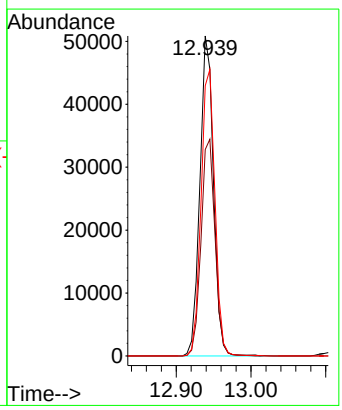
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

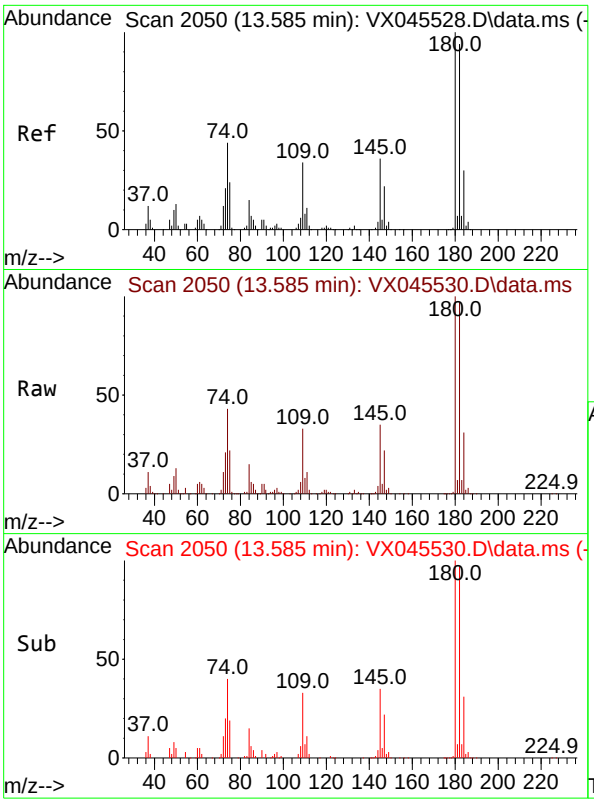


#92
1,2-Dibromo-3-Chloropropane
Concen: 178.062 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 64317

Ion	Ratio	Lower	Upper
75	100		
155	69.7	34.9	104.7
157	91.3	44.9	134.7

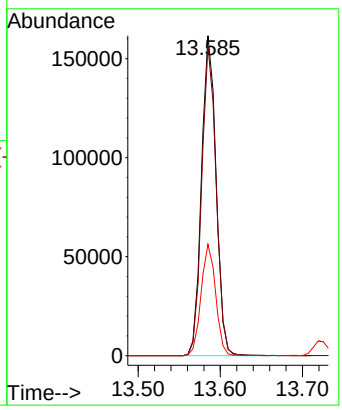




#93
1,2,4-Trichlorobenzene
Concen: 174.213 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:180 Resp: 19936

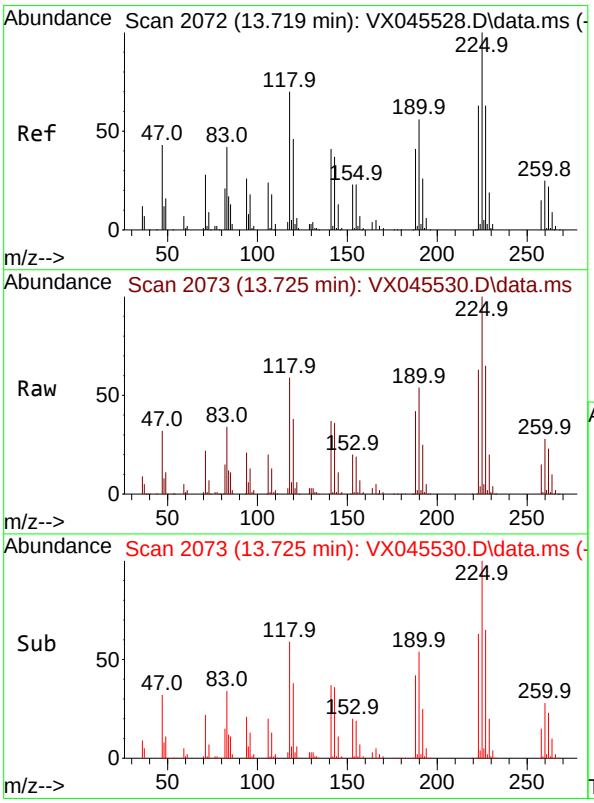
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	34.6	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

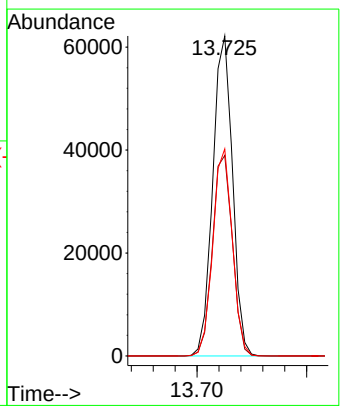
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

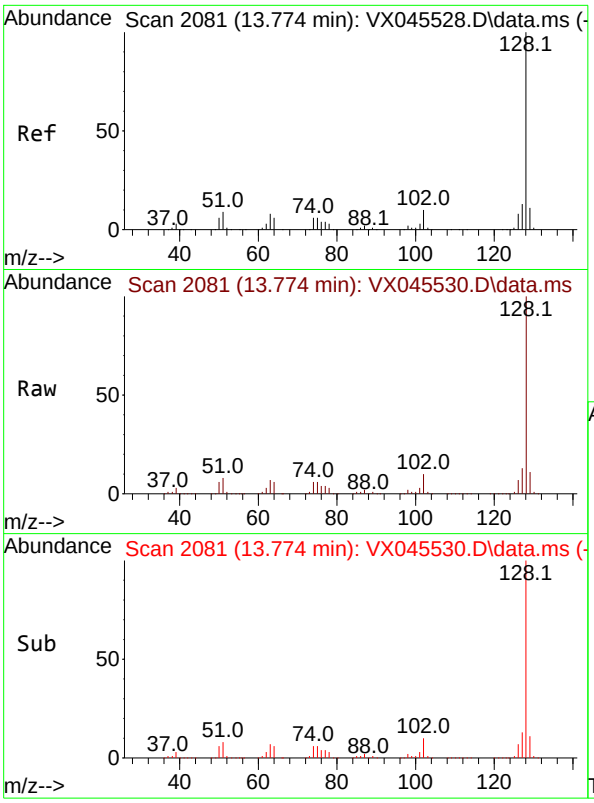


#94
Hexachlorobutadiene
Concen: 157.752 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:225 Resp: 77792

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.3
227	63.8	32.2	96.6

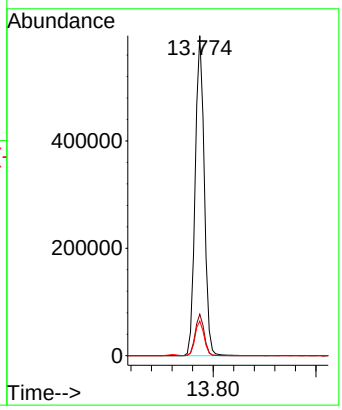




#95
Naphthalene
Concen: 172.191 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:128 Resp: 73330

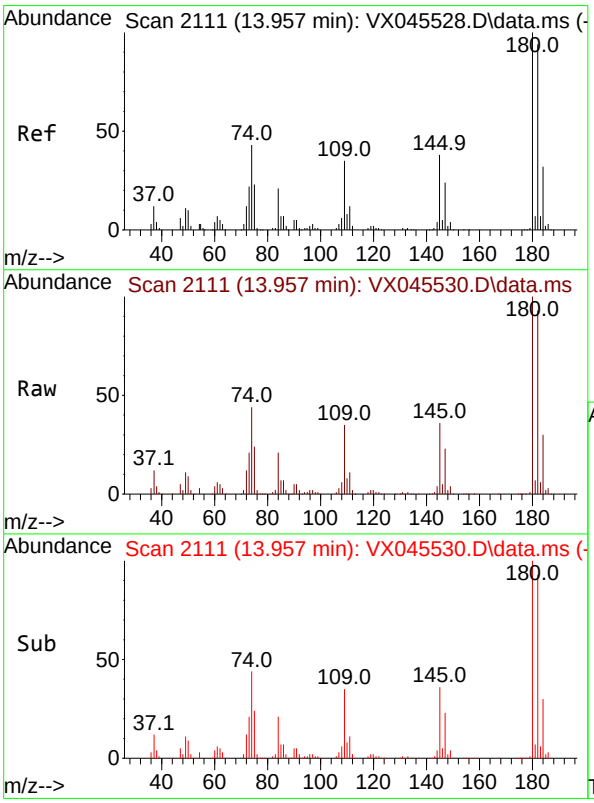
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

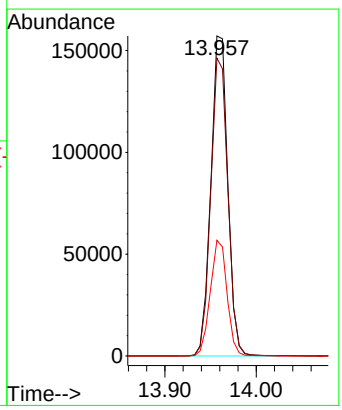
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 168.562 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:180 Resp: 201989

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	141.8
145	35.8	18.2	54.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	96972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	174855	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	152417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89251	50.329	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.660%			
35) Dibromofluoromethane	5.379	113	61107	49.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.520%			
50) Toluene-d8	8.647	98	217200	50.160	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.320%			
62) 4-Bromofluorobenzene	11.079	95	80376	50.959	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	76070	52.454	ug/l	97
3) Chloromethane	1.301	50	72033	48.349	ug/l	99
4) Vinyl Chloride	1.374	62	66559	48.816	ug/l	99
5) Bromomethane	1.593	94	30379	46.991	ug/l	99
6) Chloroethane	1.672	64	37317	51.586	ug/l	100
7) Trichlorofluoromethane	1.880	101	102379	50.354	ug/l	96
8) Diethyl Ether	2.130	74	33603	49.228	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	59007	49.528	ug/l	98
10) Methyl Iodide	2.447	142	72261	48.626	ug/l	99
11) Tert butyl alcohol	2.971	59	58774	246.612	ug/l	99
12) 1,1-Dichloroethene	2.313	96	57888	49.726	ug/l	99
13) Acrolein	2.233	56	78156	238.141	ug/l	99
14) Allyl chloride	2.660	41	111636	50.541	ug/l	99
15) Acrylonitrile	3.062	53	186837	248.351	ug/l	100
16) Acetone	2.380	43	176153	241.904	ug/l	99
17) Carbon Disulfide	2.508	76	149677	52.057	ug/l	100
18) Methyl Acetate	2.703	43	81720	48.742	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	207487	50.950	ug/l	100
20) Methylene Chloride	2.782	84	66875	49.055	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	59229	49.800	ug/l	98
22) Diisopropyl ether	3.757	45	221449	50.895	ug/l	92
23) Vinyl Acetate	3.715	43	1005423	267.449	ug/l	99
24) 1,1-Dichloroethane	3.605	63	122240	49.677	ug/l	99
25) 2-Butanone	4.550	43	271686	254.882	ug/l	97
26) 2,2-Dichloropropane	4.471	77	82704	52.020	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71072	49.049	ug/l	98
28) Bromochloromethane	4.891	49	57557	48.403	ug/l	99
29) Tetrahydrofuran	5.001	42	172405	249.473	ug/l	100
30) Chloroform	5.086	83	125621	49.614	ug/l	98
31) Cyclohexane	5.458	56	107862	49.583	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	107830	50.330	ug/l	99
36) 1,1-Dichloropropene	5.684	75	83901	50.088	ug/l	99
37) Ethyl Acetate	4.708	43	105095	49.787	ug/l	98
38) Carbon Tetrachloride	5.672	117	91723	50.667	ug/l	100
39) Methylcyclohexane	7.373	83	102919	50.124	ug/l	99
40) Benzene	6.031	78	251758	49.212	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	59140	53.098	ug/l		99
42) 1,2-Dichloroethane	6.080	62	103270	48.875	ug/l		100
43) Isopropyl Acetate	6.336	43	164894	51.539	ug/l		100
44) Trichloroethene	7.123	130	57931	47.643	ug/l		92
45) 1,2-Dichloropropane	7.421	63	63210	49.521	ug/l		95
46) Dibromomethane	7.574	93	47564	48.542	ug/l		97
47) Bromodichloromethane	7.818	83	96418	49.273	ug/l		96
48) Methyl methacrylate	7.690	41	85084	51.507	ug/l		99
49) 1,4-Dioxane	7.659	88	28552	955.327	ug/l		99
51) 4-Methyl-2-Pentanone	8.568	43	540822	254.994	ug/l		100
52) Toluene	8.714	92	151664	48.994	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	87744	46.783	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	99074	53.878	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	60452	49.007	ug/l		97
56) Ethyl methacrylate	9.116	69	102525	53.705	ug/l		100
57) 1,3-Dichloropropane	9.305	76	107121	49.869	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	251285	260.201	ug/l		99
59) 2-Hexanone	9.427	43	395336	251.710	ug/l		100
60) Dibromochloromethane	9.519	129	68562	50.983	ug/l		99
61) 1,2-Dibromoethane	9.604	107	63301	50.693	ug/l		100
64) Tetrachloroethene	9.269	164	50834	47.239	ug/l		99
65) Chlorobenzene	10.073	112	163518	50.207	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	57096	50.495	ug/l		99
67) Ethyl Benzene	10.189	91	300747	51.558	ug/l		100
68) m/p-Xylenes	10.299	106	217943	102.728	ug/l		99
69) o-Xylene	10.640	106	107947	51.650	ug/l		100
70) Styrene	10.653	104	181524	52.624	ug/l		100
71) Bromoform	10.799	173	44489	52.694	ug/l	#	98
73) Isopropylbenzene	10.957	105	286010	52.794	ug/l		100
74) N-amyl acetate	10.842	43	140941	54.387	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	92505	48.608	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	82060m	49.741	ug/l		
77) Bromobenzene	11.195	156	63244	50.525	ug/l		98
78) n-propylbenzene	11.299	91	336753	53.967	ug/l		100
79) 2-Chlorotoluene	11.360	91	203677	51.057	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	239822	53.534	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	25511	52.482	ug/l		98
82) 4-Chlorotoluene	11.451	91	233159	52.422	ug/l		100
83) tert-Butylbenzene	11.713	119	236276	53.274	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	238257	52.990	ug/l		100
85) sec-Butylbenzene	11.890	105	293633	53.903	ug/l		100
86) p-Isopropyltoluene	12.006	119	244031	54.337	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	115113	50.521	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	113458	49.117	ug/l		97
89) n-Butylbenzene	12.329	91	214931	55.189	ug/l		99
90) Hexachloroethane	12.536	117	41729	54.066	ug/l		98
91) 1,2-Dichlorobenzene	12.329	146	113126	49.938	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21184	53.226	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	65488	51.935	ug/l		98
94) Hexachlorobutadiene	13.725	225	27147	49.961	ug/l		99
95) Naphthalene	13.774	128	247600	52.765	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	66542	50.396	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

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

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

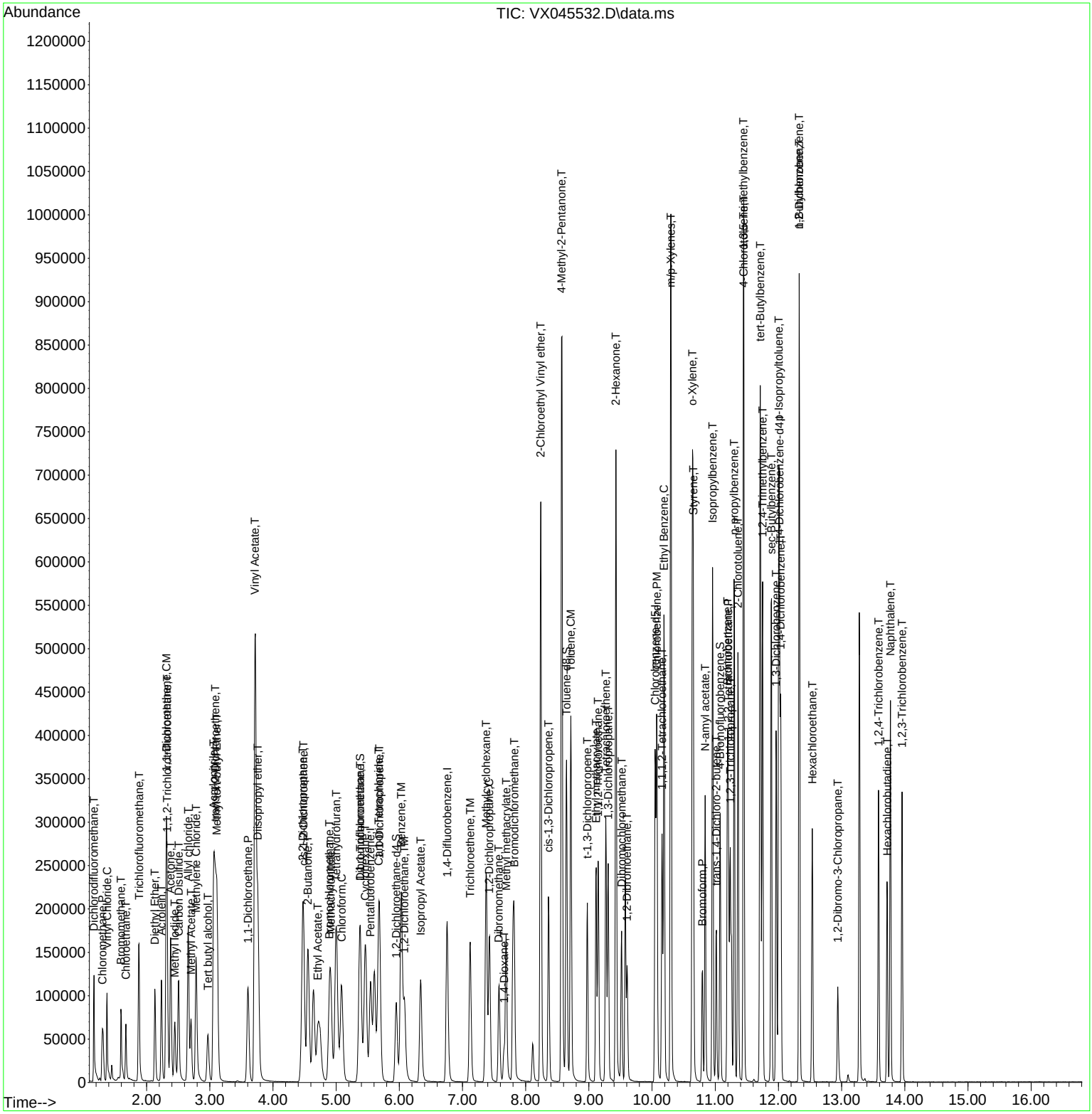
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

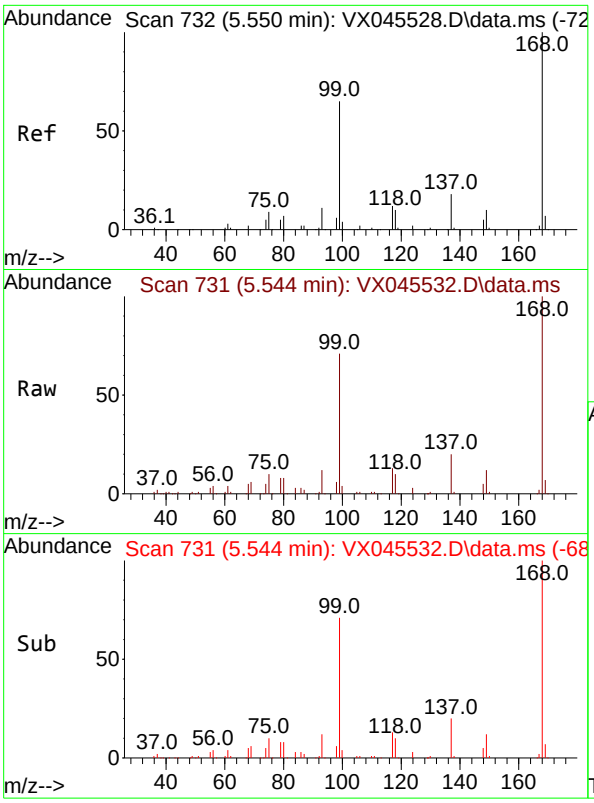
Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

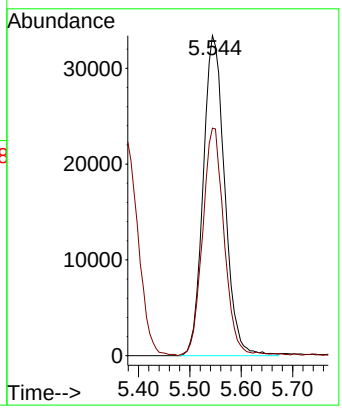




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:168 Resp: 9697

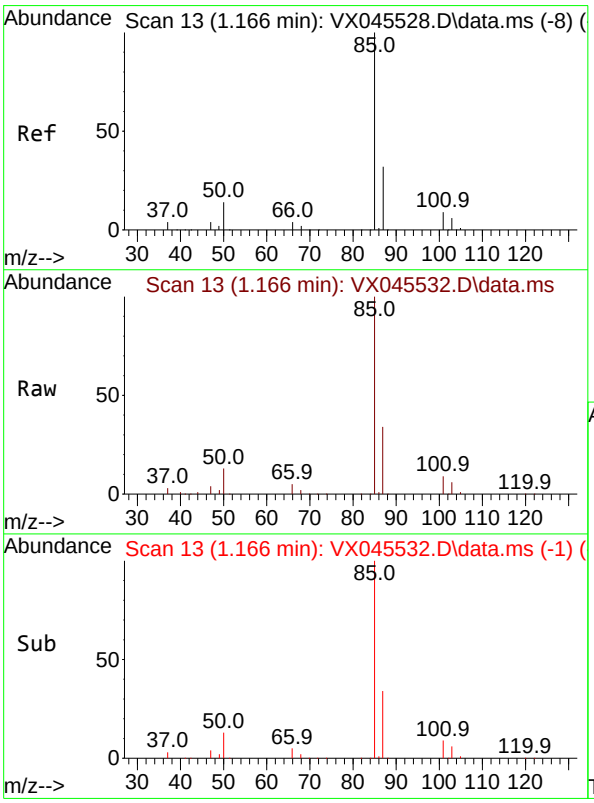
Ion	Ratio	Lower	Upper
168	100		
99	71.1	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

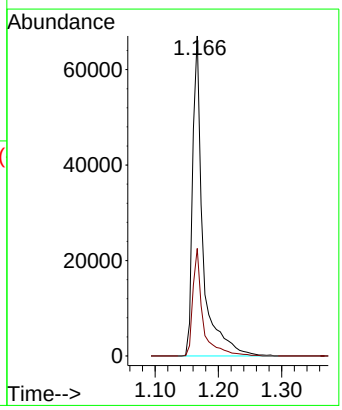
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

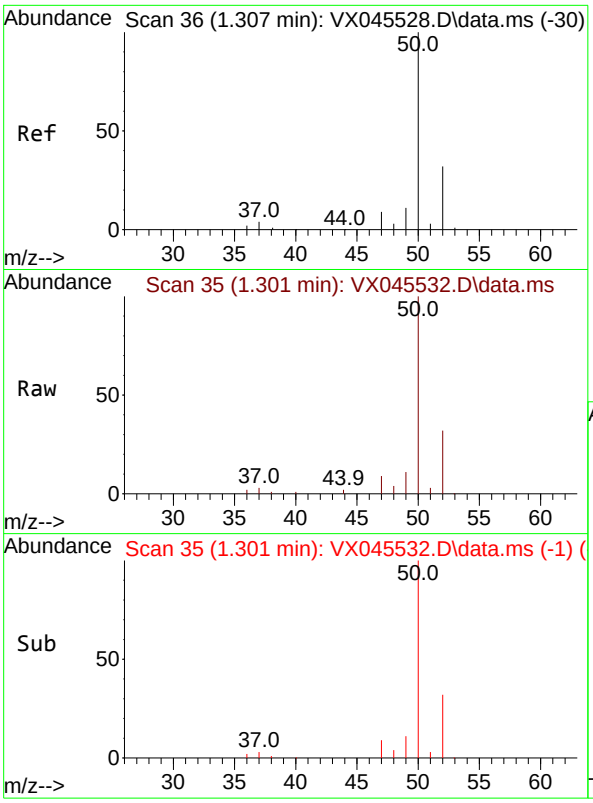


#2
Dichlorodifluoromethane
Concen: 52.454 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 85 Resp: 76070

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.1	48.2

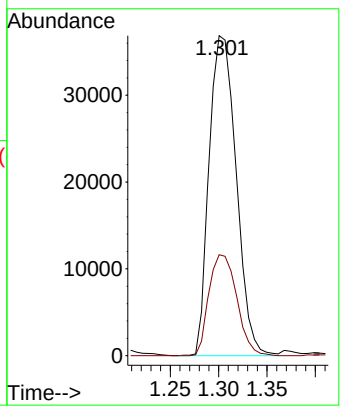




#3
Chloromethane
Concen: 48.349 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 50 Resp: 7203

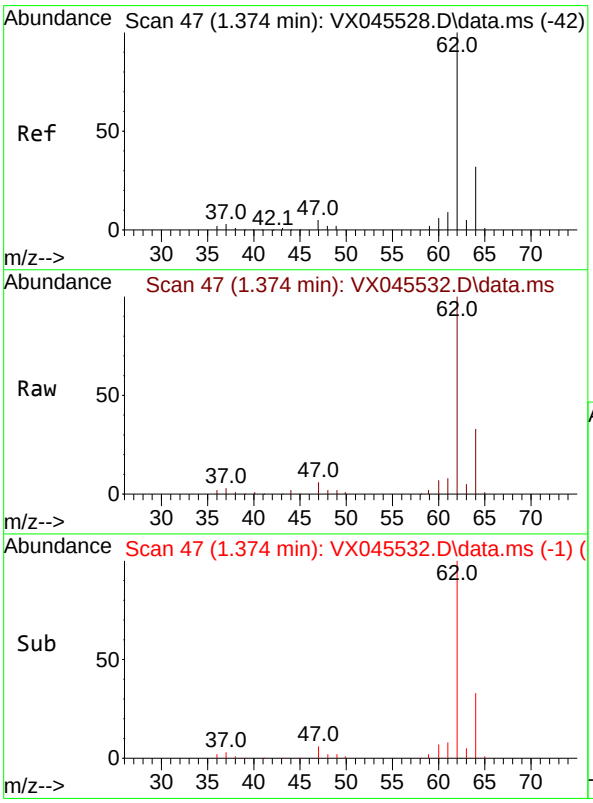
Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

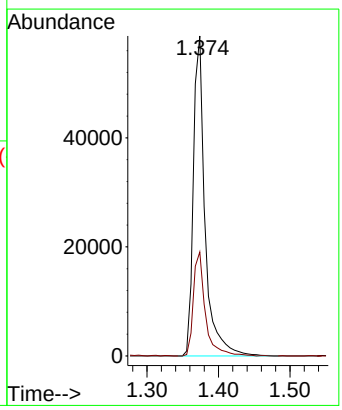
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

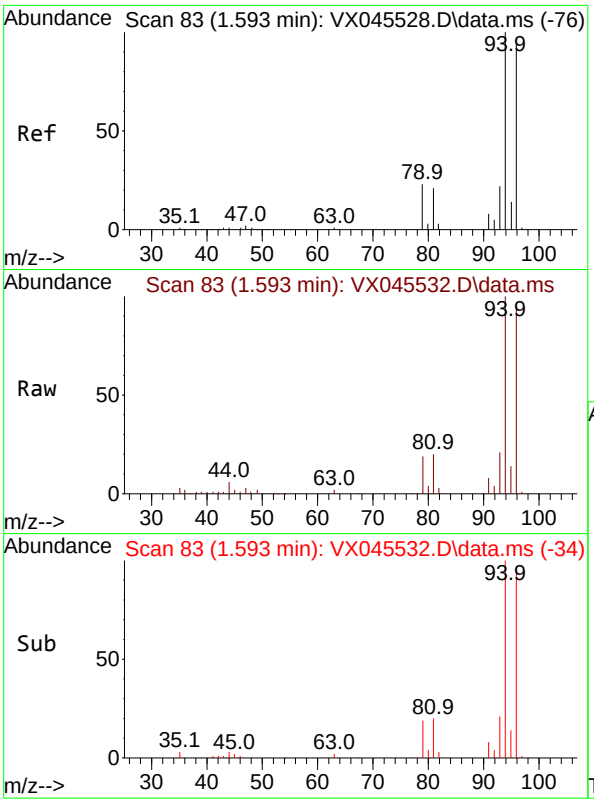


#4
Vinyl Chloride
Concen: 48.816 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 62 Resp: 66559

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.5	38.3

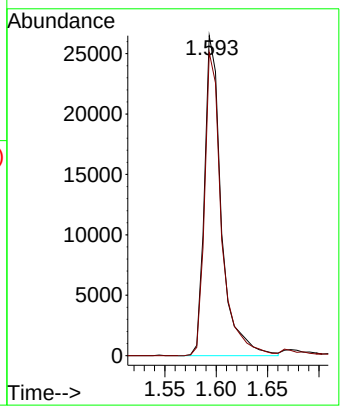




#5
Bromomethane
Concen: 46.991 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 94 Resp: 3037

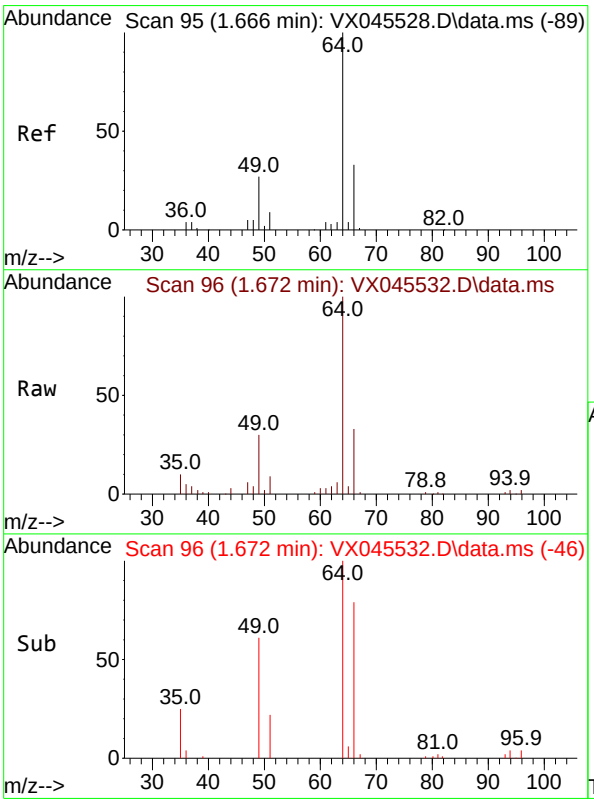
Ion	Ratio	Lower	Upper
94	100		
96	94.7	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

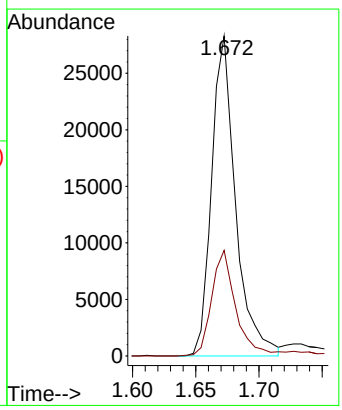
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

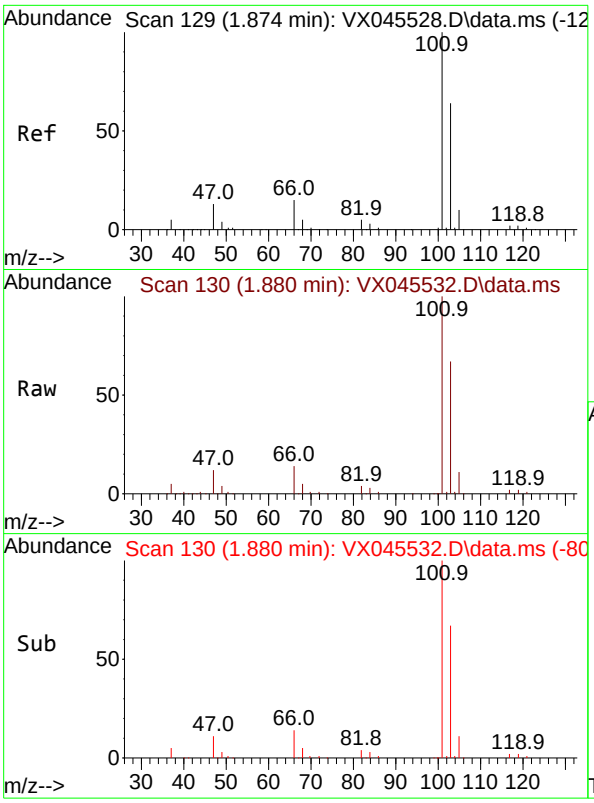


#6
Chloroethane
Concen: 51.586 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 64 Resp: 37317

Ion	Ratio	Lower	Upper
64	100		
66	33.0	26.3	39.5

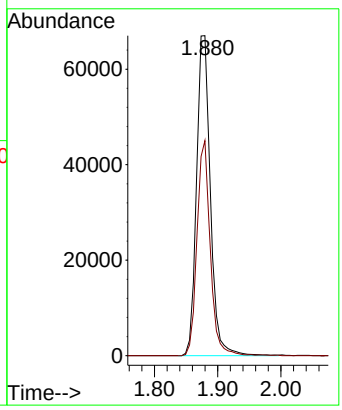




#7
Trichlorofluoromethane
Concen: 50.354 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:101 Resp: 10237

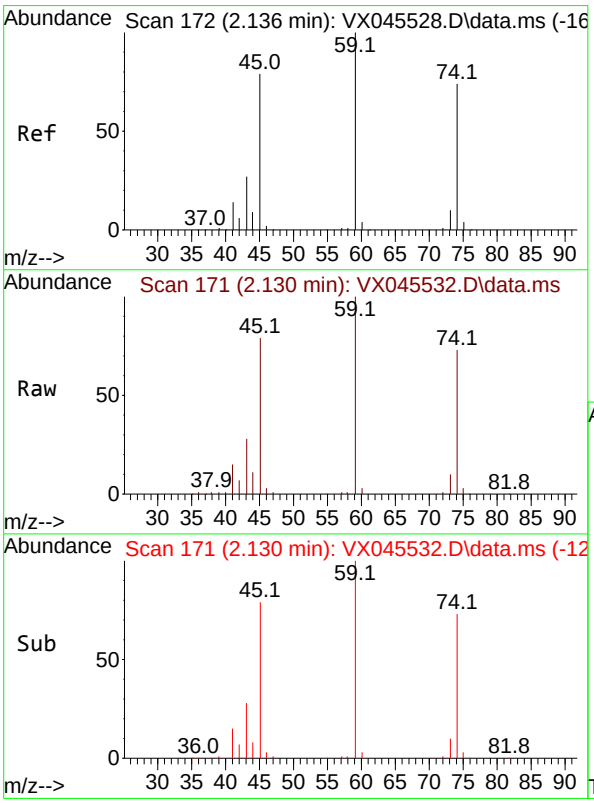
Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

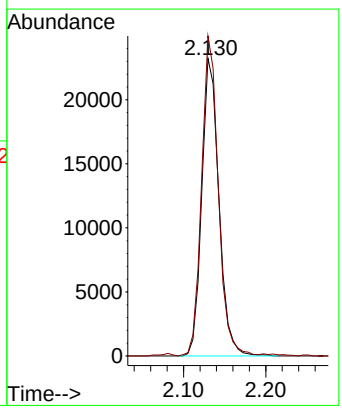
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

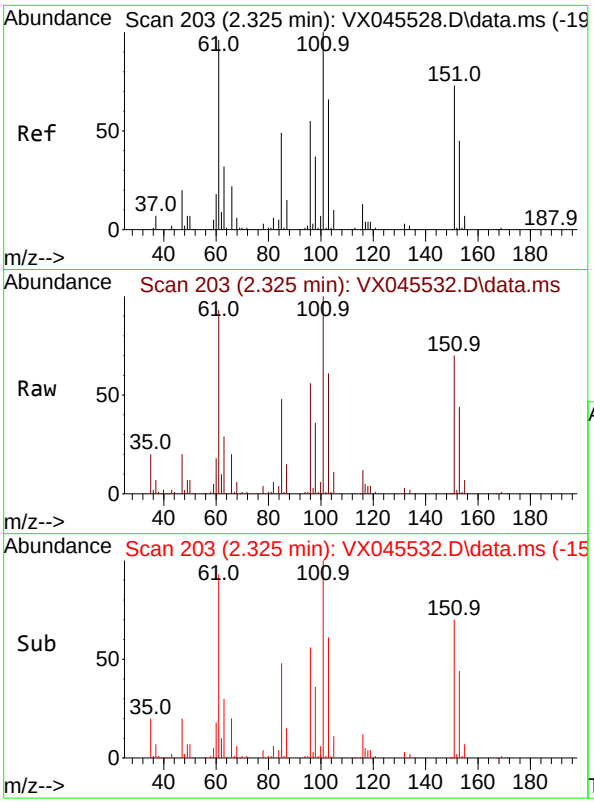


#8
Diethyl Ether
Concen: 49.228 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 74 Resp: 33603

Ion	Ratio	Lower	Upper
74	100		
45	105.2	53.0	159.1

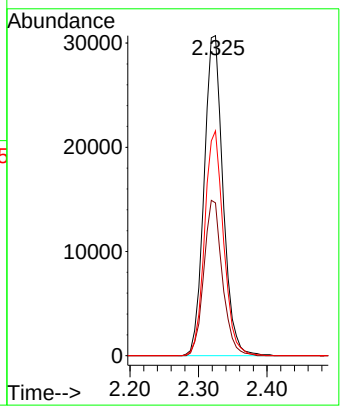




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.528 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:101 Resp: 5900

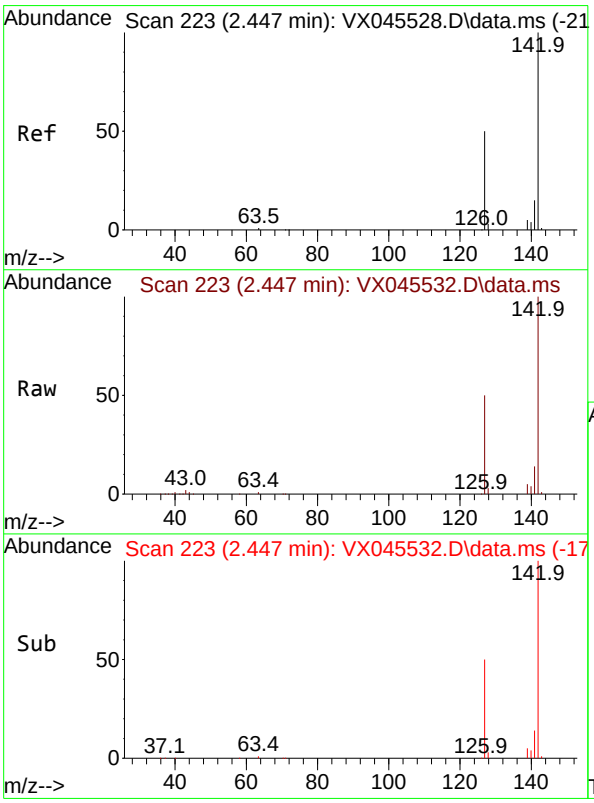
Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.9	58.3
151	70.1	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

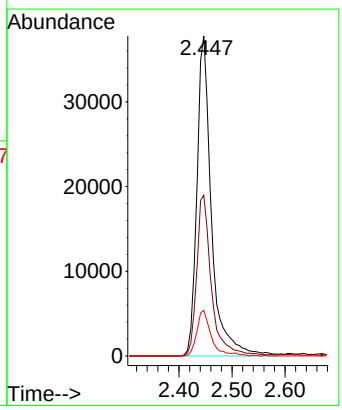
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

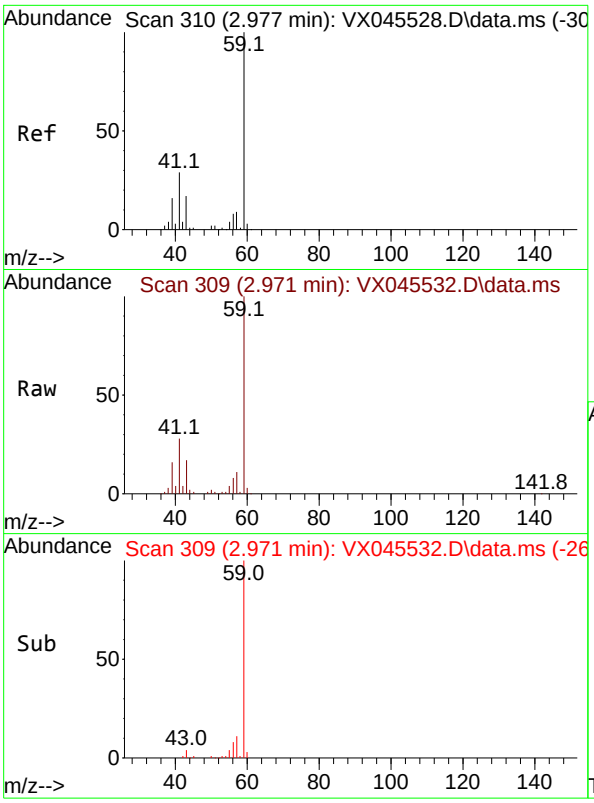


#10
Methyl Iodide
Concen: 48.626 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:142 Resp: 72261

Ion	Ratio	Lower	Upper
142	100		
127	50.6	40.2	60.4
141	14.1	11.7	17.5

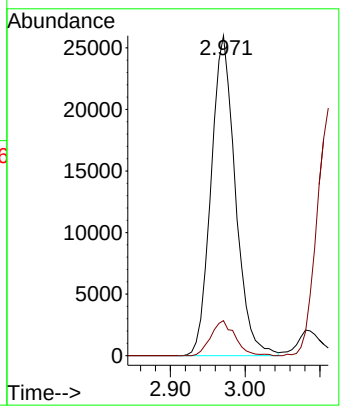




#11
Tert butyl alcohol
Concen: 246.612 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 59 Resp: 5877

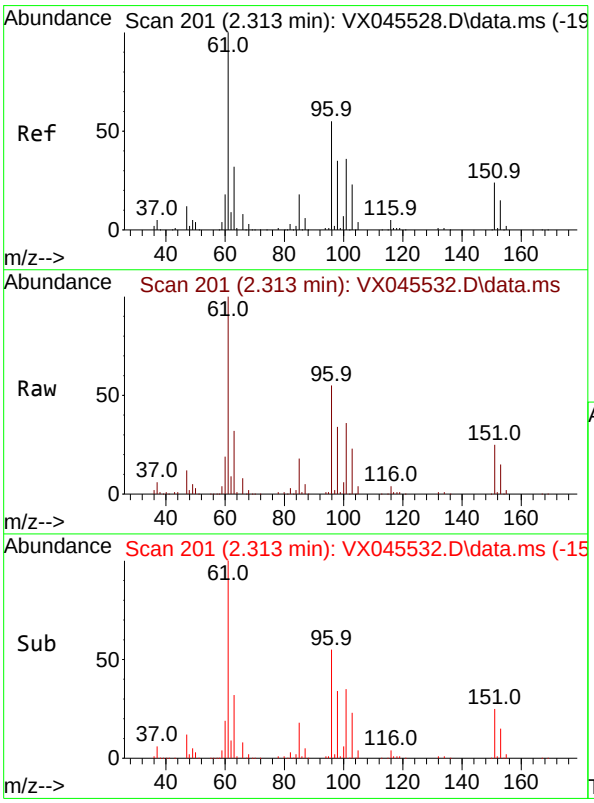
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

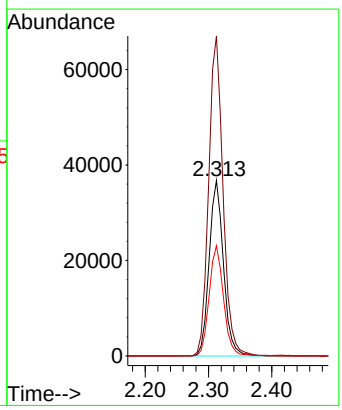
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

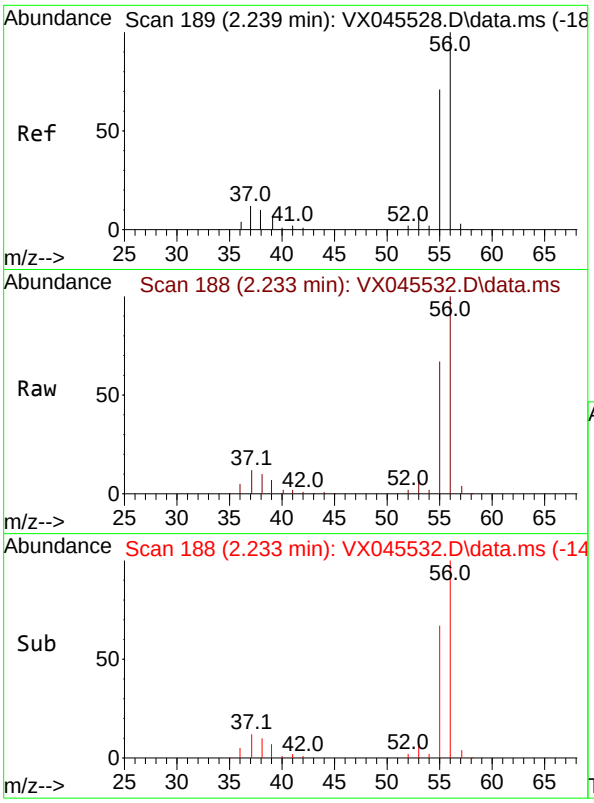


#12
1,1-Dichloroethene
Concen: 49.726 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 96 Resp: 57888

Ion	Ratio	Lower	Upper
96	100		
61	182.3	145.7	218.5
98	62.8	51.6	77.4

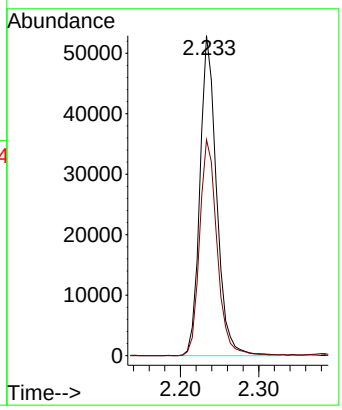




#13
Acrolein
Concen: 238.141 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 56 Resp: 7815

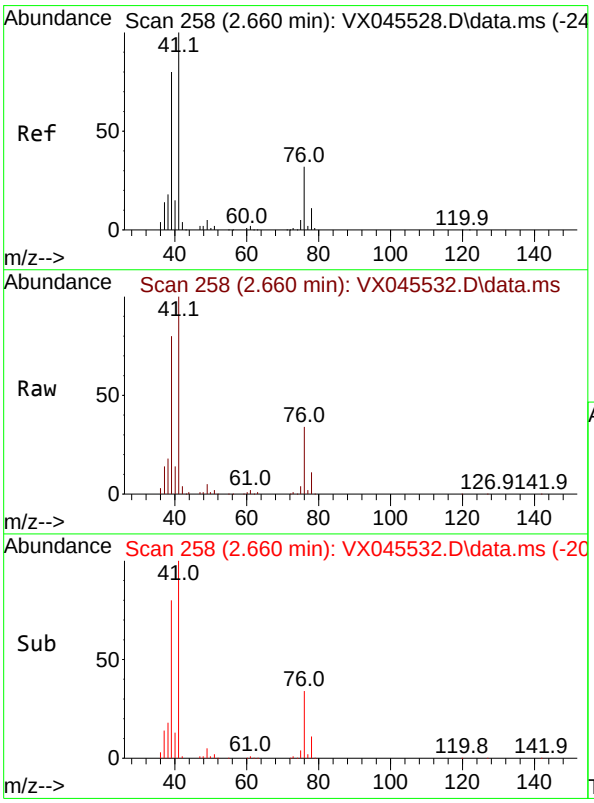
Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

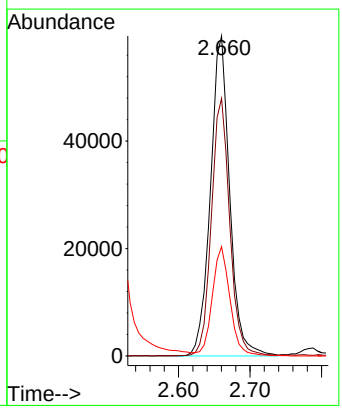
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

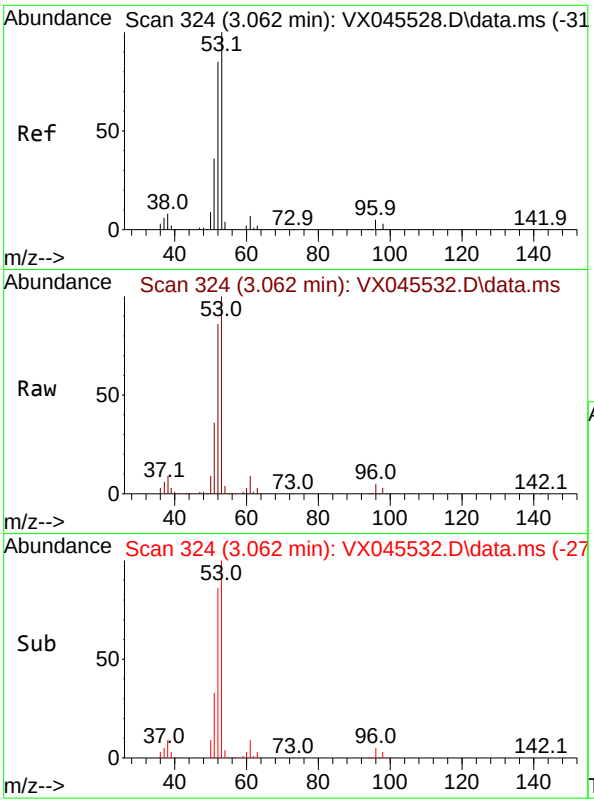


#14
Allyl chloride
Concen: 50.541 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 41 Resp: 111636

Ion	Ratio	Lower	Upper
41	100		
39	76.2	60.2	90.2
76	31.6	24.6	36.8

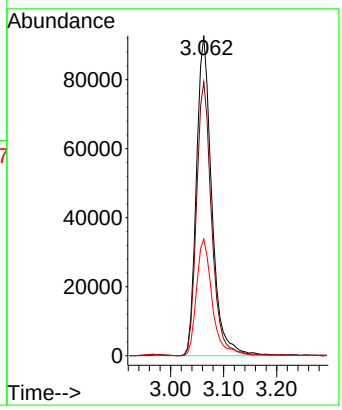




#15
Acrylonitrile
Concen: 248.351 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 53 Resp: 18683

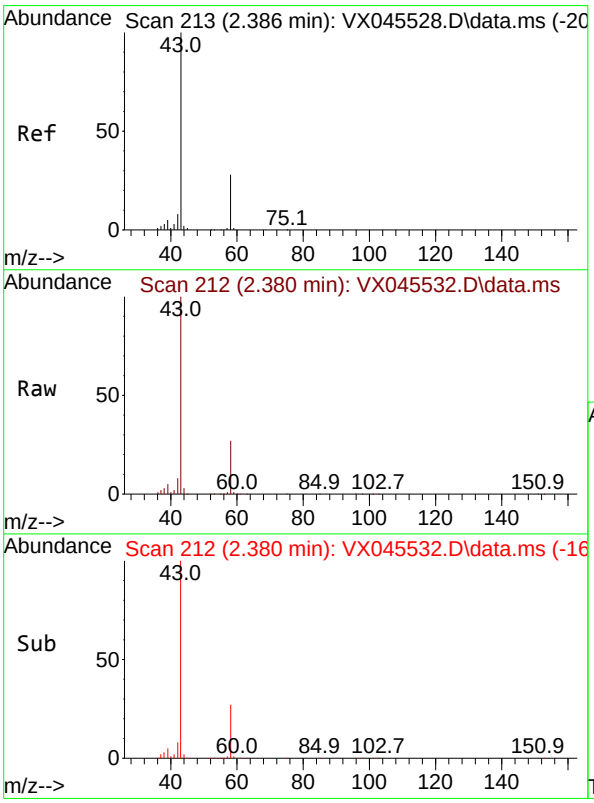
Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.4	101.2
51	37.6	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

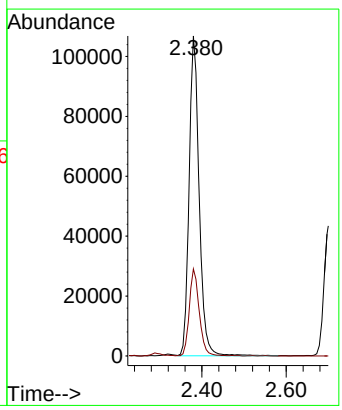
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

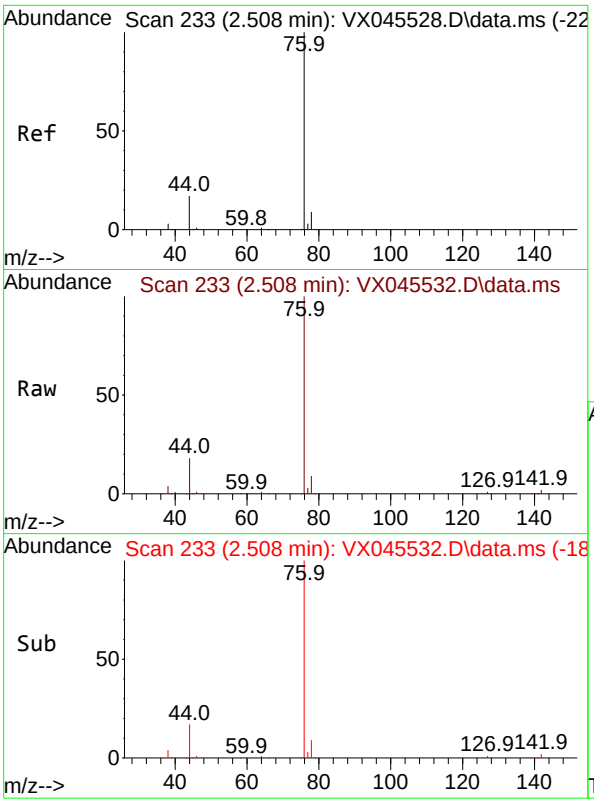


#16
Acetone
Concen: 241.904 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 176153

Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.3	33.5

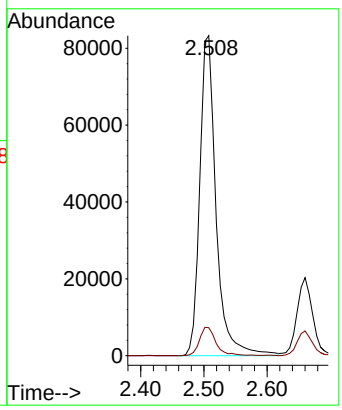




#17
Carbon Disulfide
Concen: 52.057 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 76 Resp: 14967

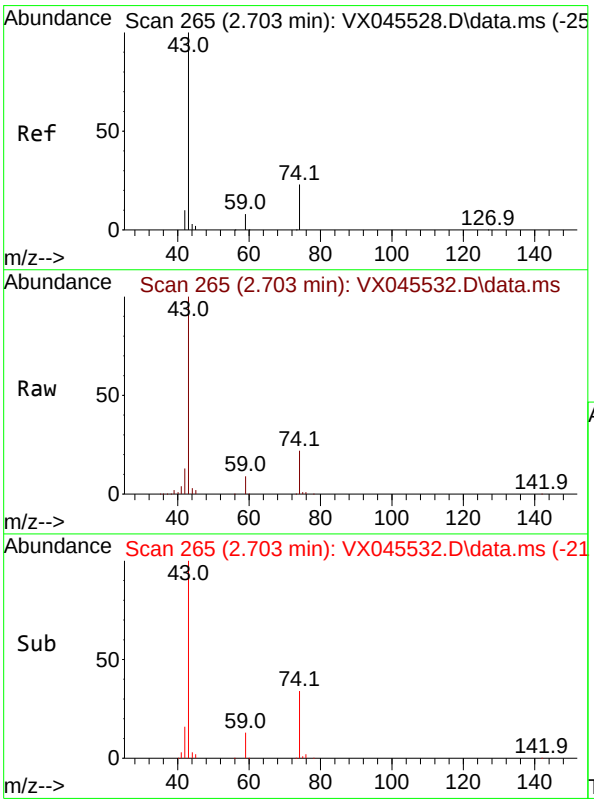
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

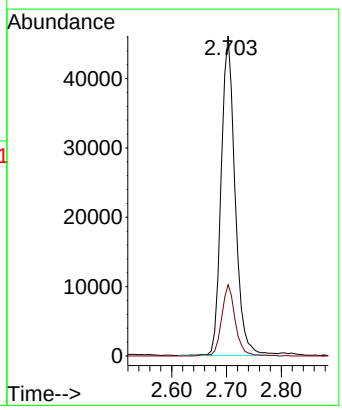
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

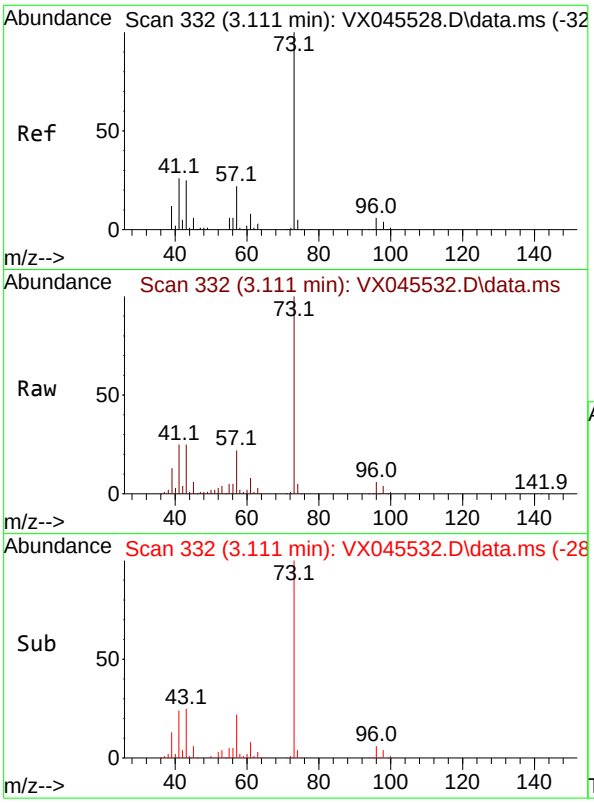


#18
Methyl Acetate
Concen: 48.742 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 81720

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.5	26.3

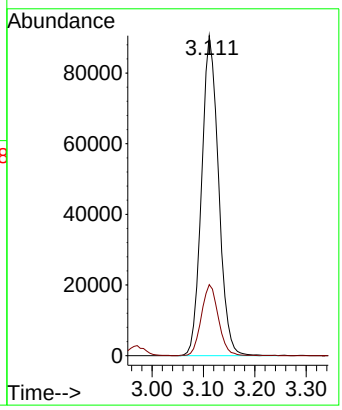




#19
Methyl tert-butyl Ether
Concen: 50.950 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 73 Resp: 20748

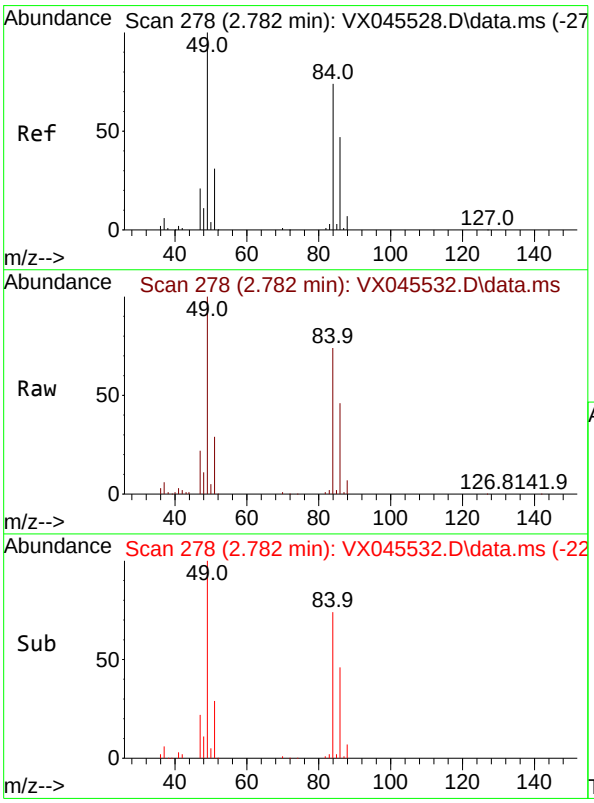
Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

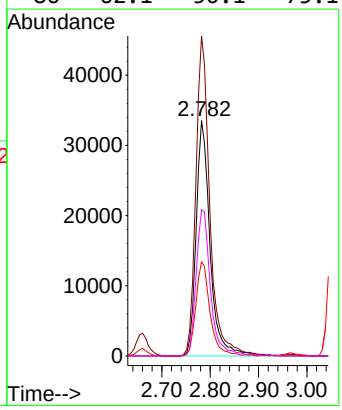
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

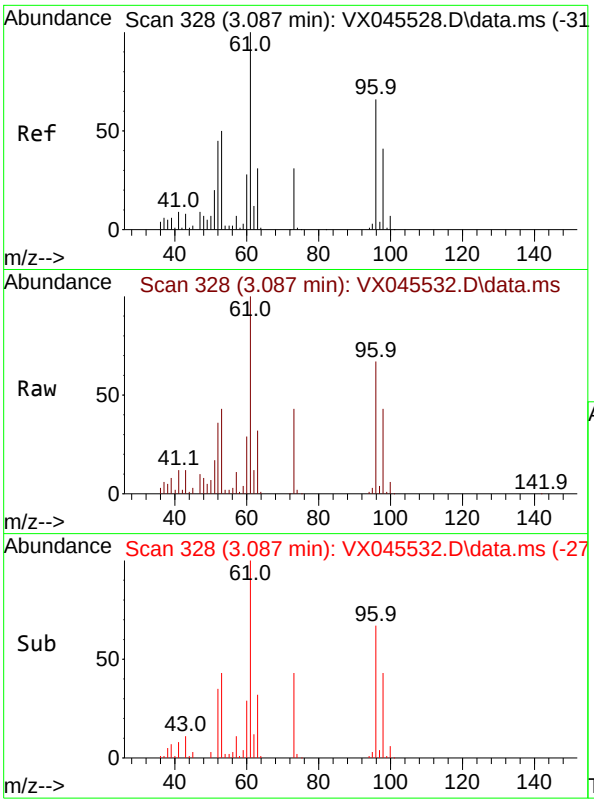


#20
Methylene Chloride
Concen: 49.055 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 84 Resp: 66875

Ion	Ratio	Lower	Upper
84	100		
49	135.9	107.5	161.3
51	39.9	33.0	49.6
86	62.1	50.1	75.1

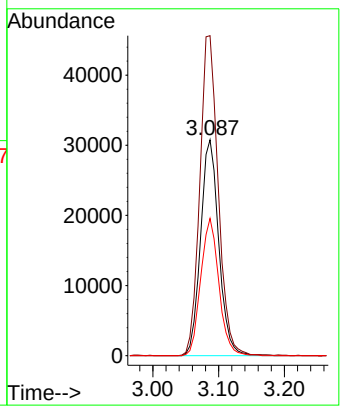




#21
trans-1,2-Dichloroethene
Concen: 49.800 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 96 Resp: 5922

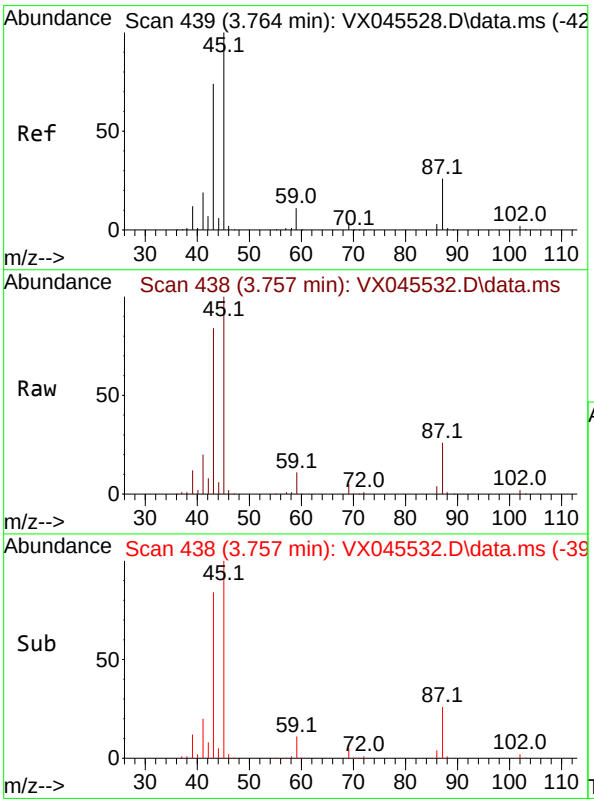
Ion	Ratio	Lower	Upper
96	100		
61	148.2	121.0	181.6
98	63.6	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

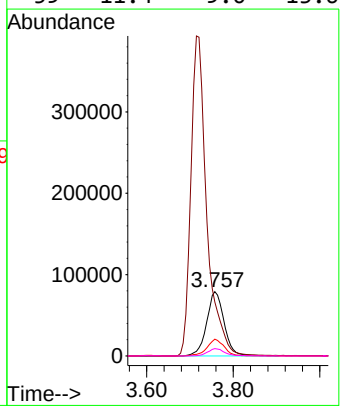
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

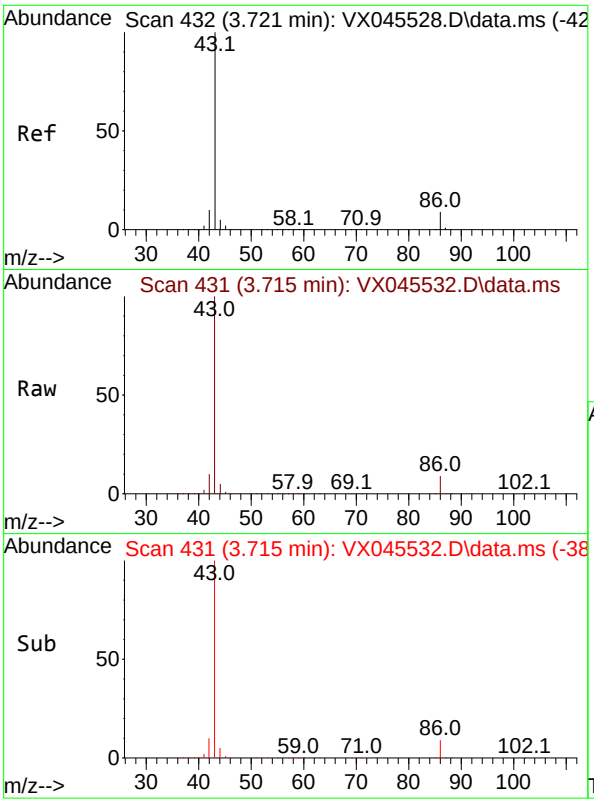


#22
Diisopropyl ether
Concen: 50.895 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 45 Resp: 221449

Ion	Ratio	Lower	Upper
45	100		
43	83.3	59.3	88.9
87	26.0	20.4	30.6
59	11.4	9.0	13.6





#23
Vinyl Acetate
Concen: 267.449 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

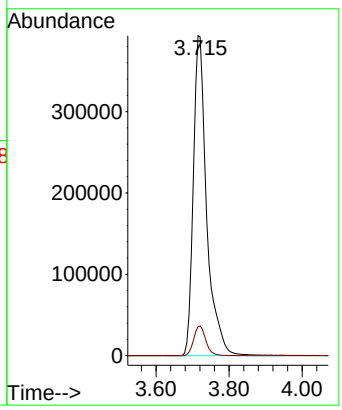
Tgt Ion: 43 Resp: 100542

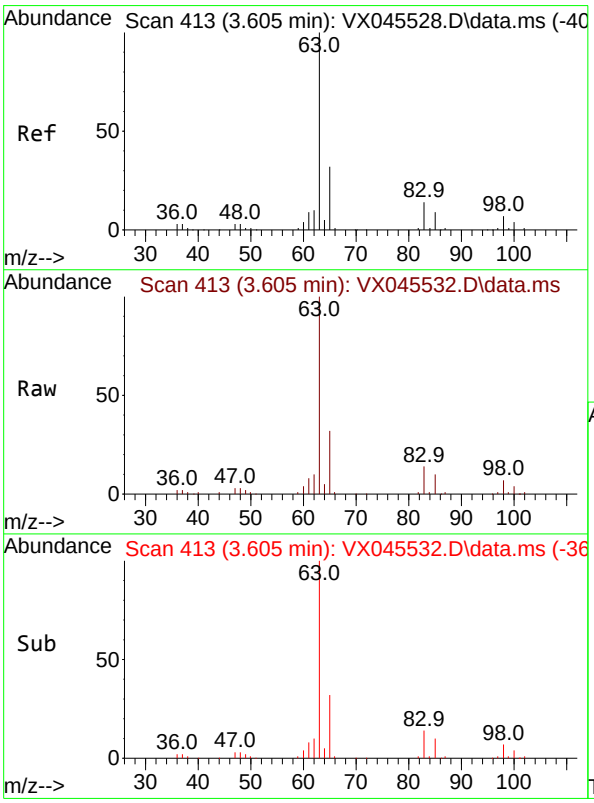
Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

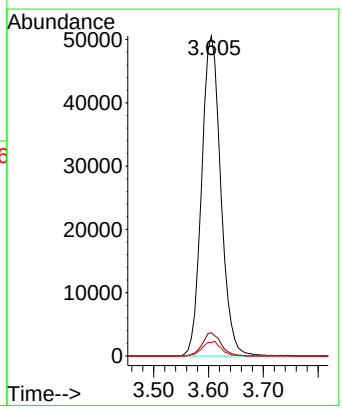


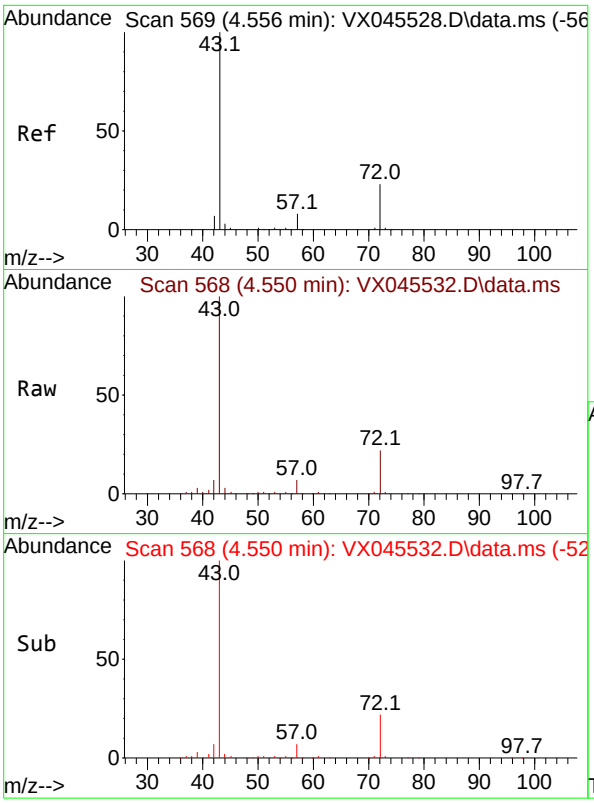


#24
1,1-Dichloroethane
Concen: 49.677 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 63 Resp: 122240

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.2	2.2	6.6





#25
2-Butanone
Concen: 254.882 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

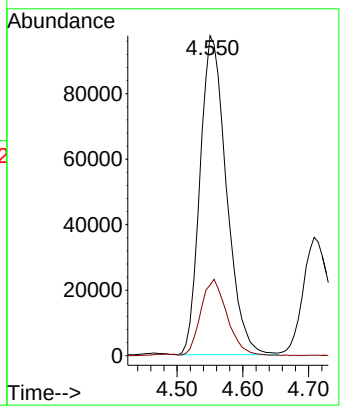
Tgt Ion: 43 Resp: 27168

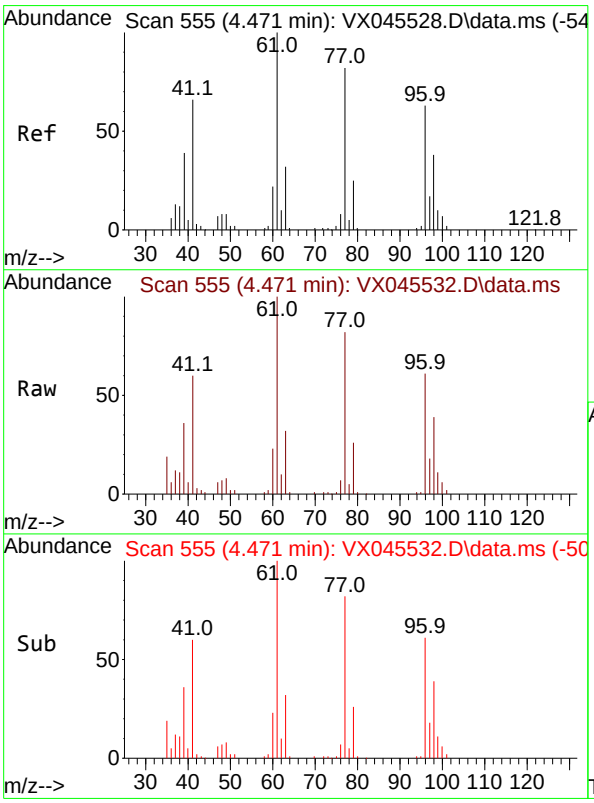
Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.6	28.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

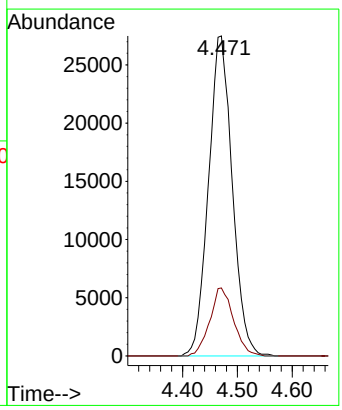


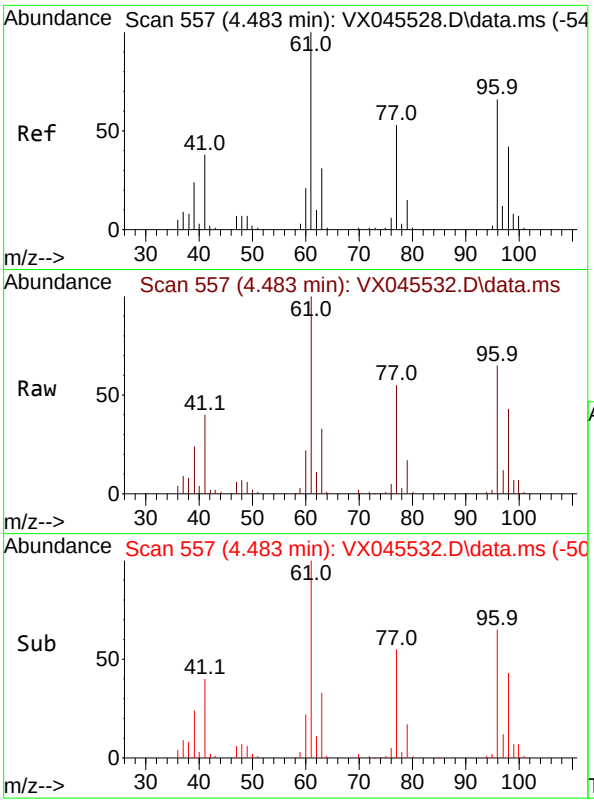


#26
2,2-Dichloropropane
Concen: 52.020 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 77 Resp: 82704

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8

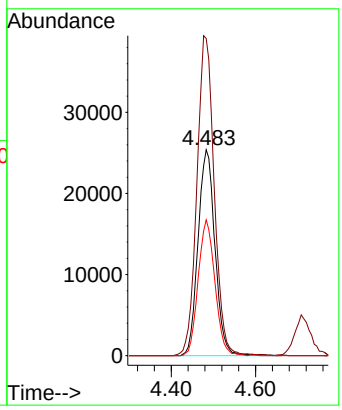




#27
cis-1,2-Dichloroethene
Concen: 49.049 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 96 Resp: 7107

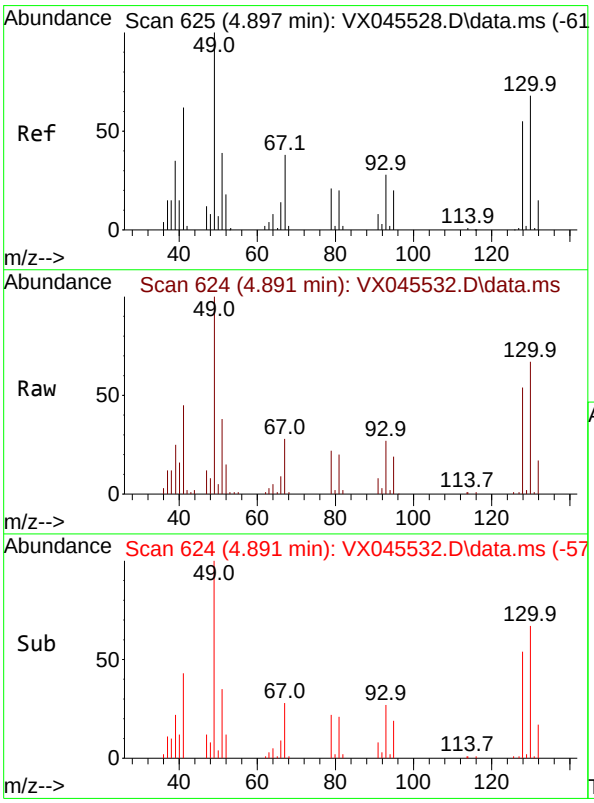
Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	313.2
98	65.1	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
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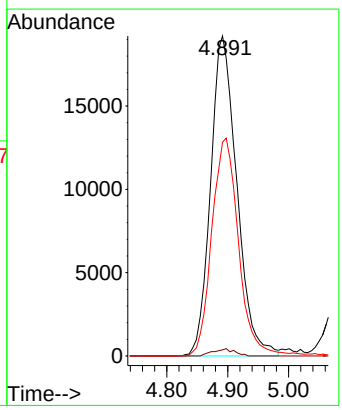
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

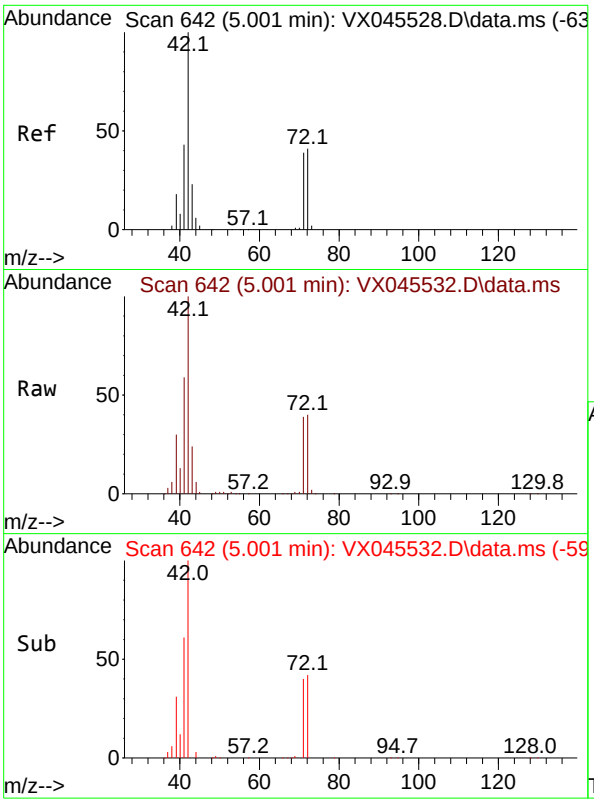


#28
Bromochloromethane
Concen: 48.403 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 49 Resp: 57557

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	69.3	54.6	81.8





#29
Tetrahydrofuran
Concen: 249.473 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

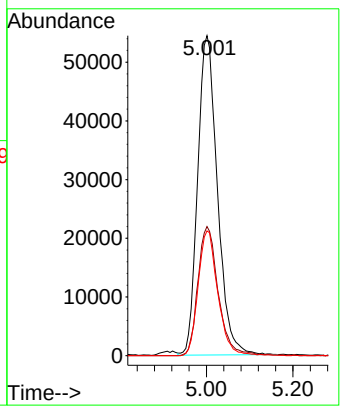
Tgt Ion: 42 Resp: 17240

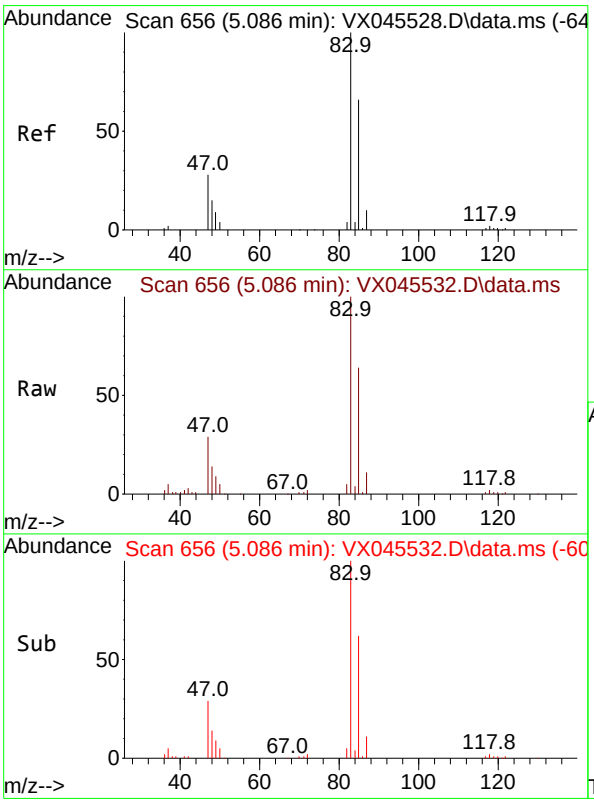
Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.4	50.0
71	39.0	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

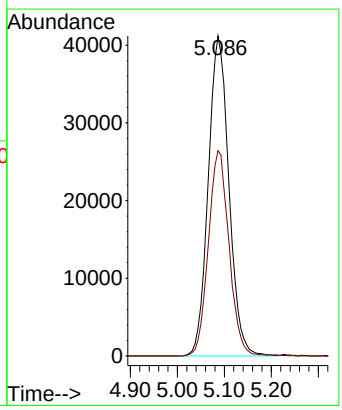


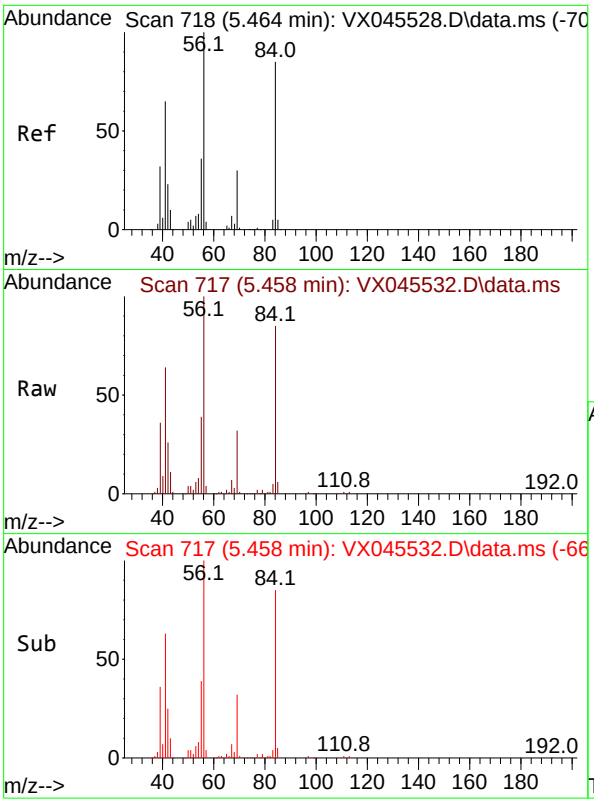


#30
Chloroform
Concen: 49.614 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 83 Resp: 125621

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.8	79.2

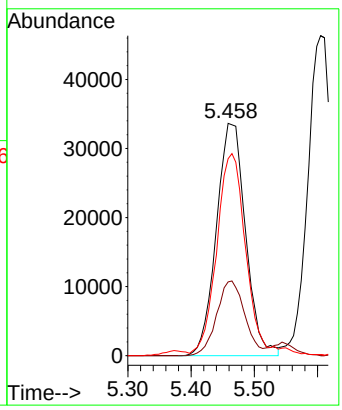




#31
Cyclohexane
Concen: 49.583 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 56 Resp: 10786

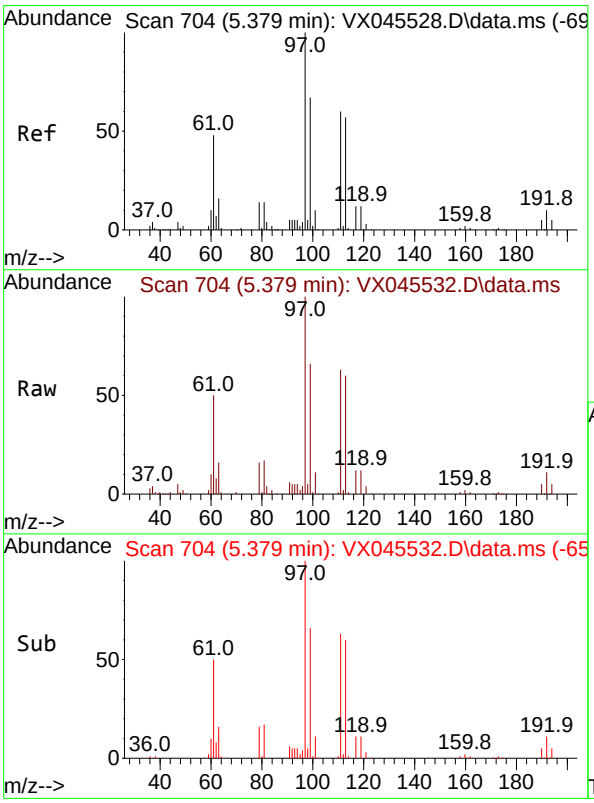
Ion	Ratio	Lower	Upper
56	100		
69	31.7	23.6	35.4
84	82.7	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

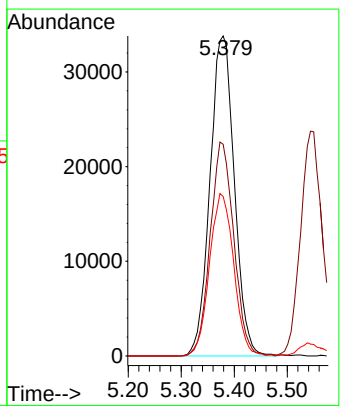
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

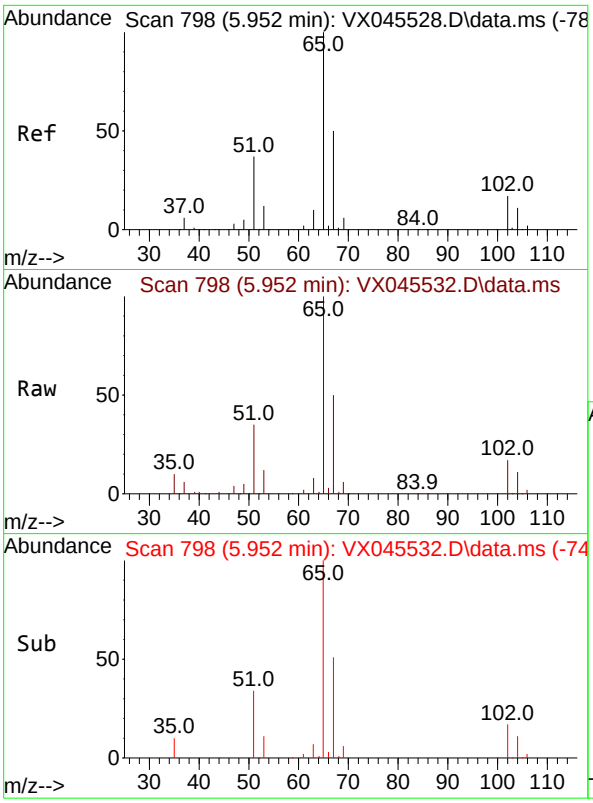


#32
1,1,1-Trichloroethane
Concen: 50.330 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 97 Resp: 107830

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.7	77.5
61	50.5	41.0	61.4

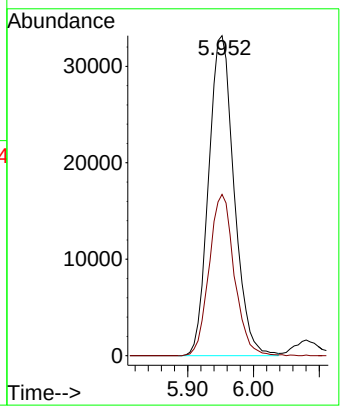




#33
1,2-Dichloroethane-d4
Concen: 50.329 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 65 Resp: 8925

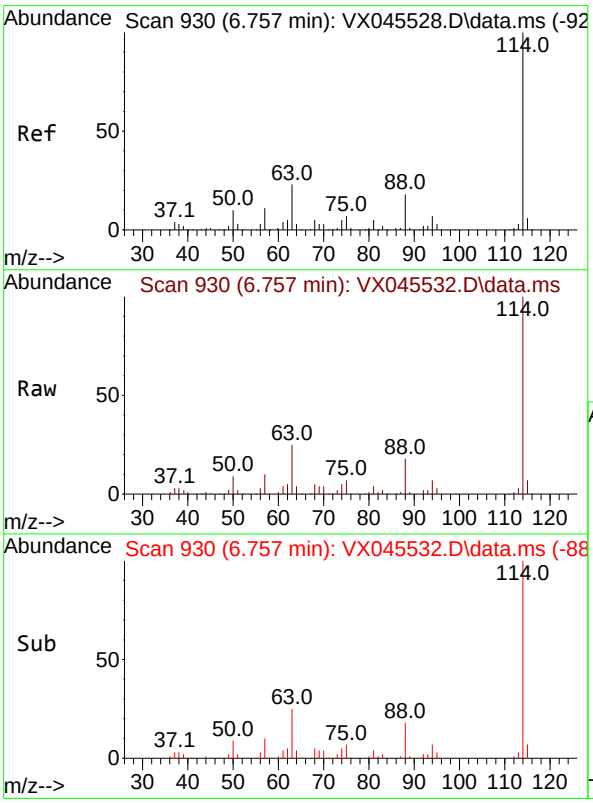
Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

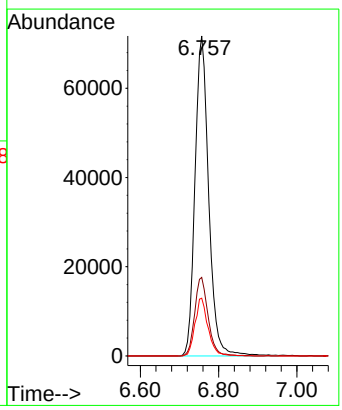
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

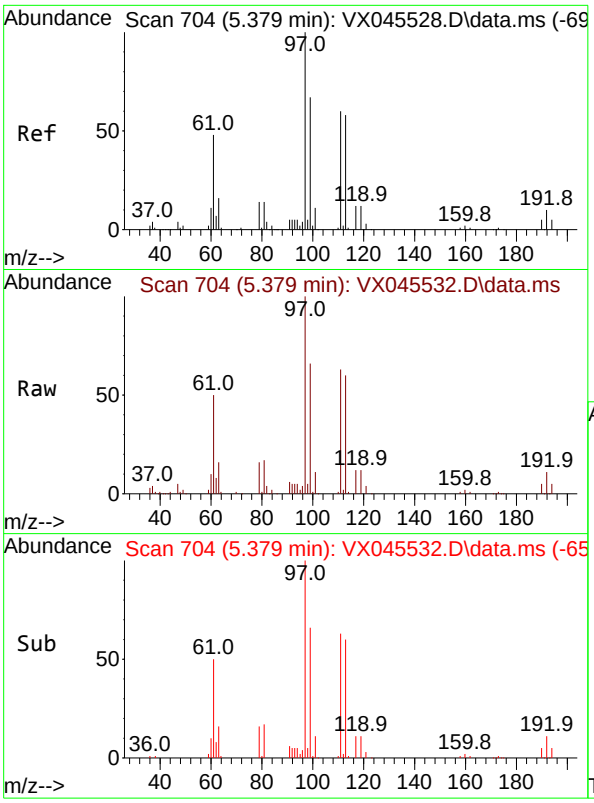


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:114 Resp: 174855

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	46.8
88	18.1	0.0	35.4

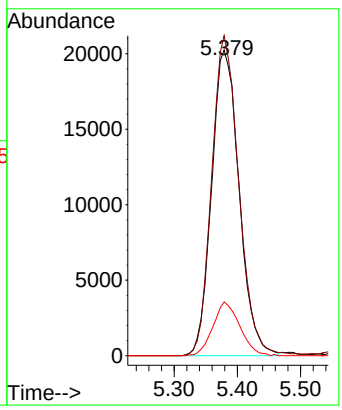




#35
Dibromofluoromethane
Concen: 49.256 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:113 Resp: 6110

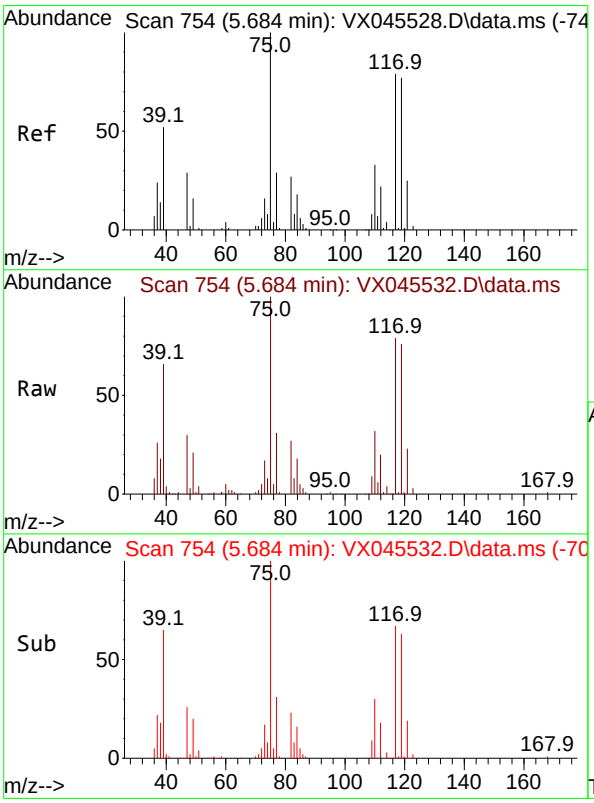
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	17.2	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

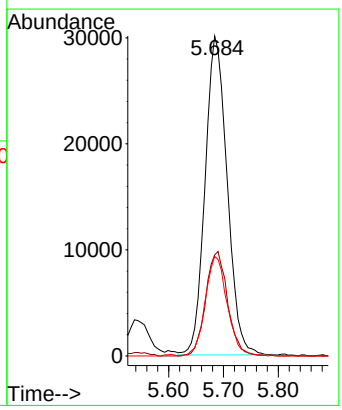
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

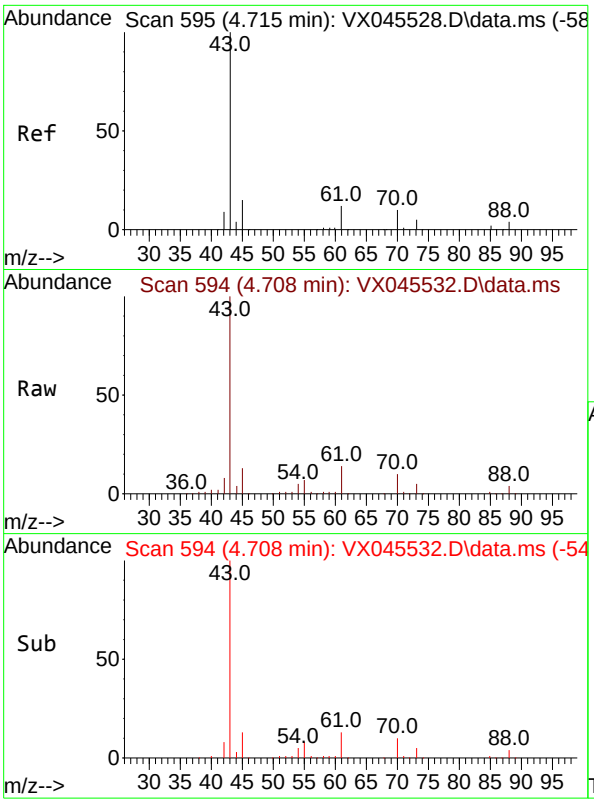


#36
1,1-Dichloropropene
Concen: 50.088 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 83901

Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.9	50.6
77	31.1	25.0	37.4

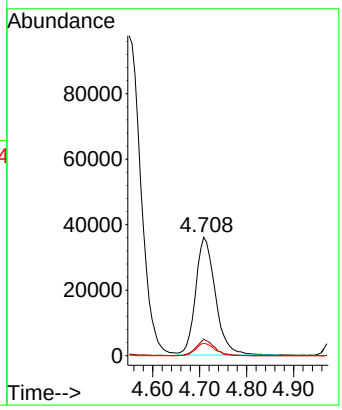




#37
Ethyl Acetate
Concen: 49.787 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 10509

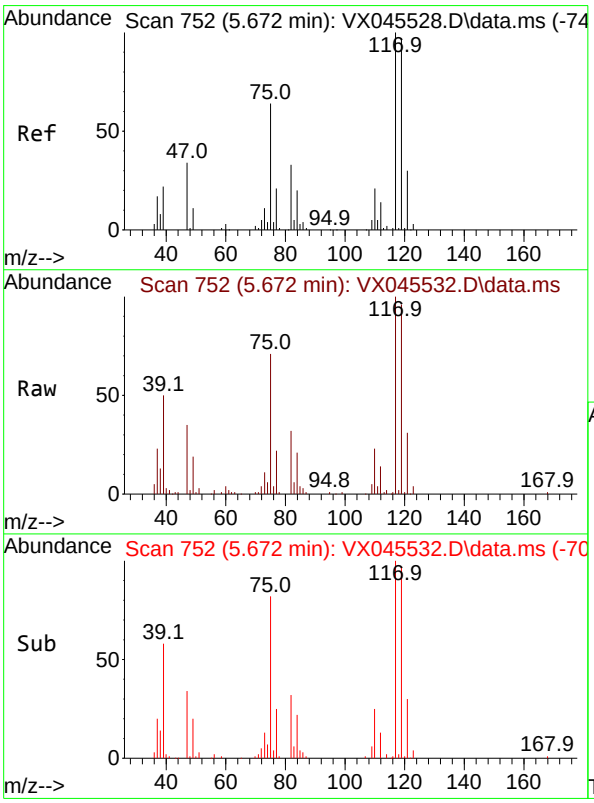
Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.9	14.9
70	10.2	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

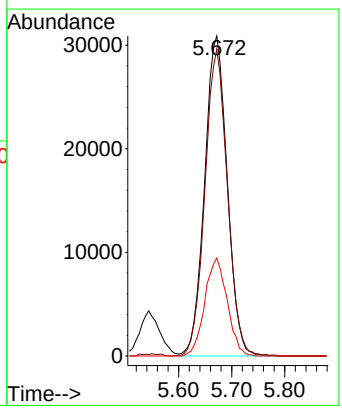
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

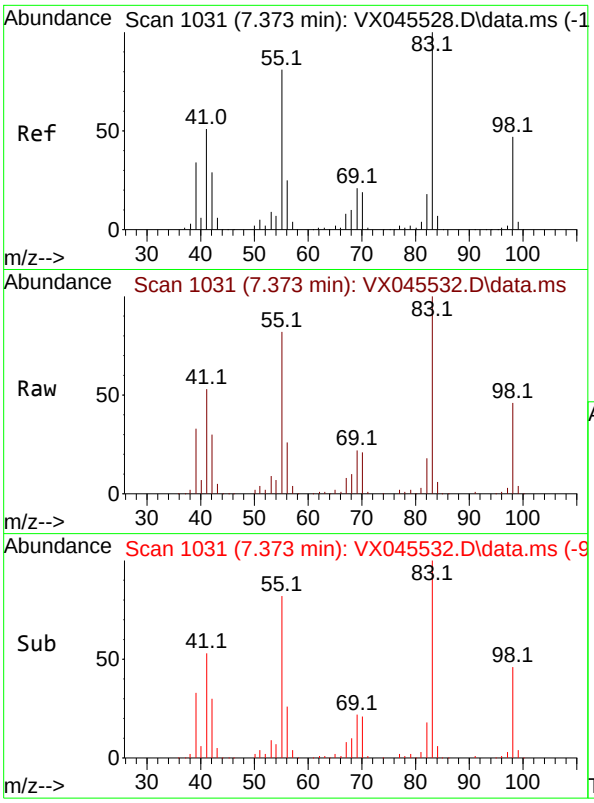


#38
Carbon Tetrachloride
Concen: 50.667 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:117 Resp: 91723

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	30.6	24.2	36.2

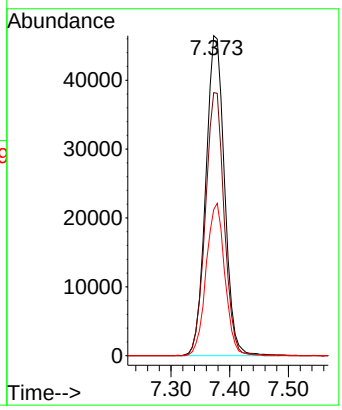




#39
Methylcyclohexane
Concen: 50.124 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 83 Resp: 10291

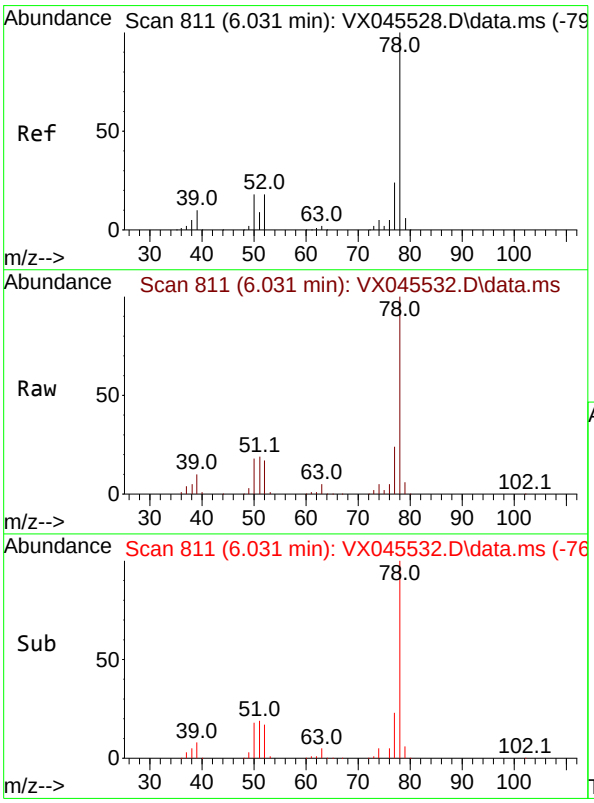
Ion	Ratio	Lower	Upper
83	100		
55	82.1	64.9	97.3
98	45.7	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

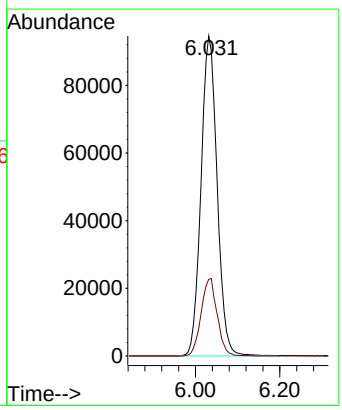
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

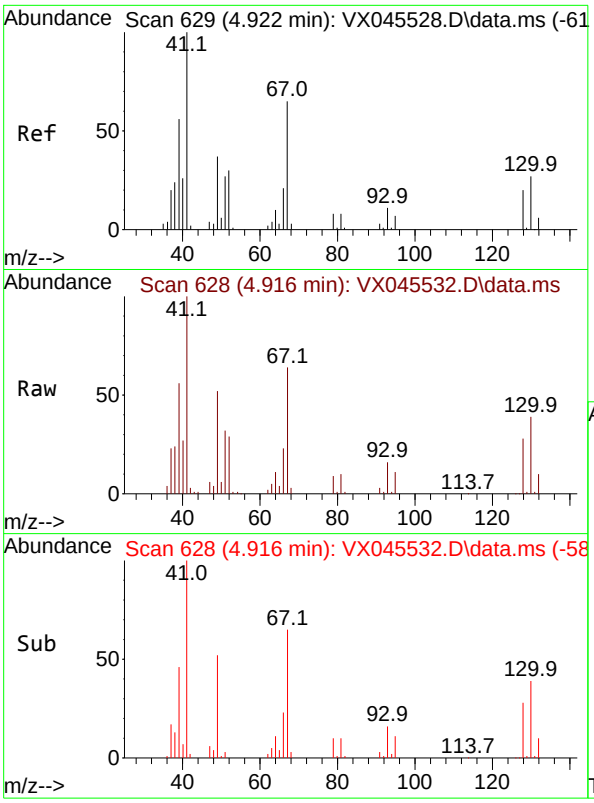


#40
Benzene
Concen: 49.212 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 78 Resp: 251758

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6

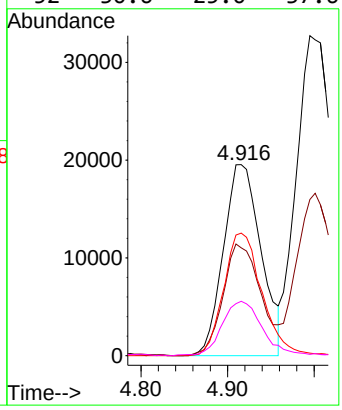




#41
Methacrylonitrile
Concen: 53.098 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 41 Resp: 5914

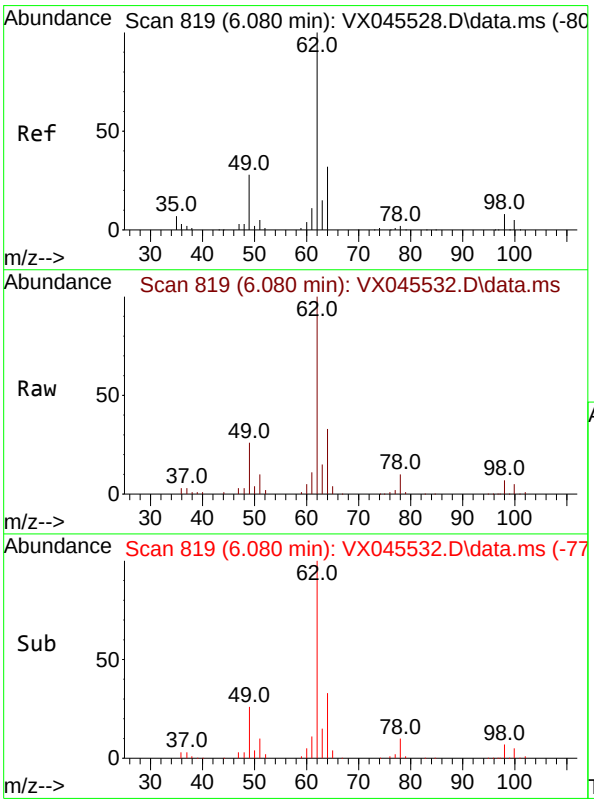
Ion	Ratio	Lower	Upper
41	100		
39	58.5	47.0	70.6
67	65.5	53.2	79.8
52	30.6	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

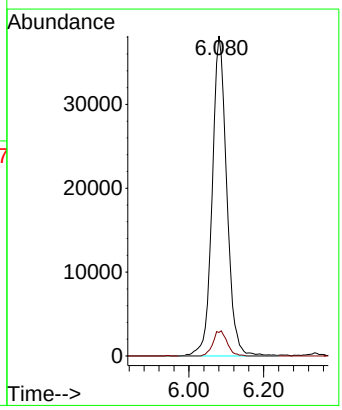
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

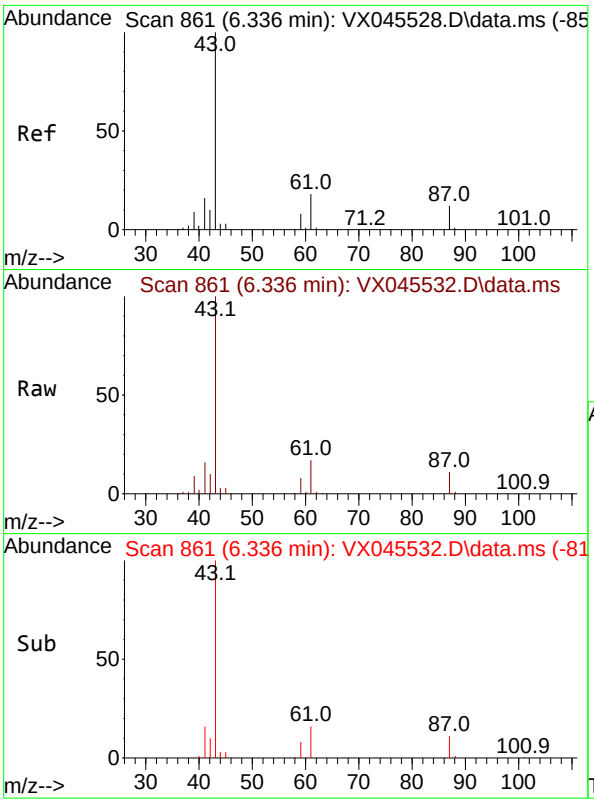


#42
1,2-Dichloroethane
Concen: 48.875 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 62 Resp: 103270

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43
Isopropyl Acetate
Concen: 51.539 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

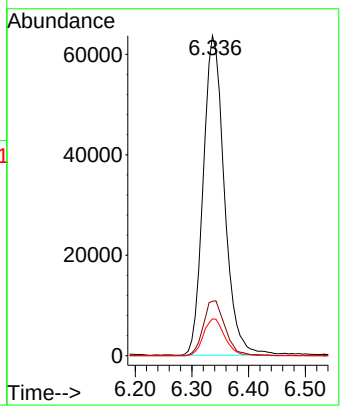
Tgt Ion: 43 Resp: 16489

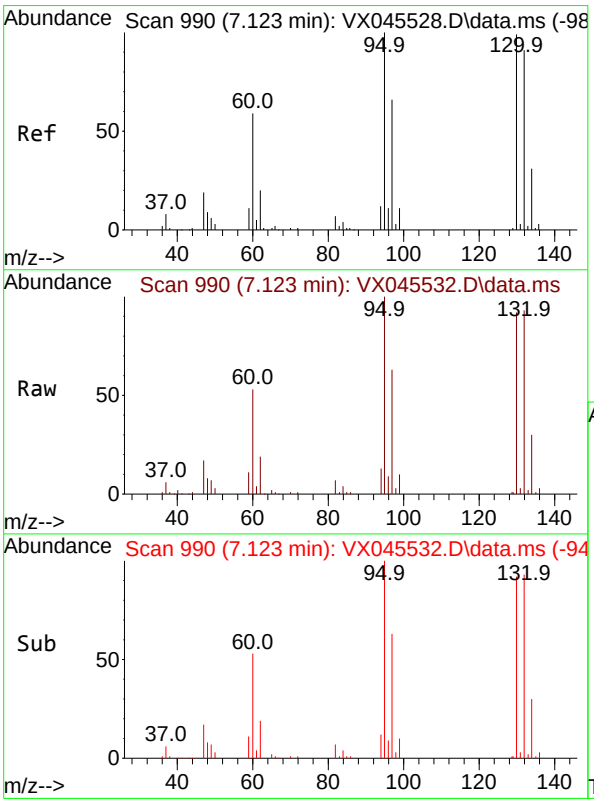
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.1	21.1
87	11.6	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

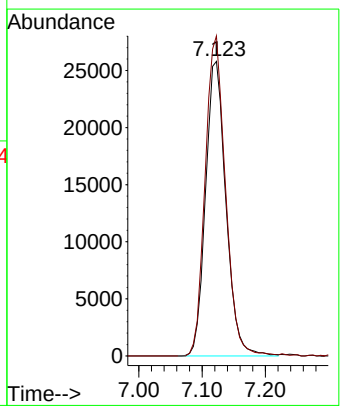


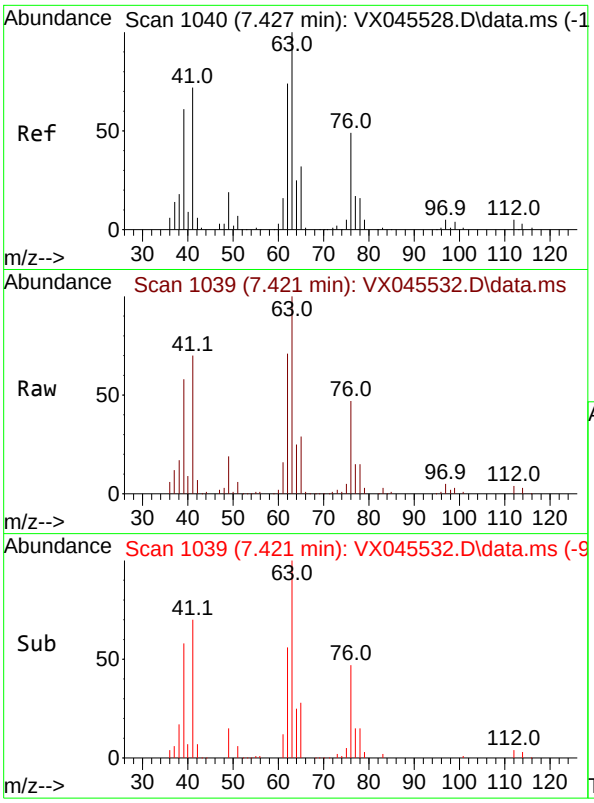


#44
Trichloroethene
Concen: 47.643 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:130 Resp: 57931

Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	202.0





#45
1,2-Dichloropropane
Concen: 49.521 ug/l
RT: 7.421 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

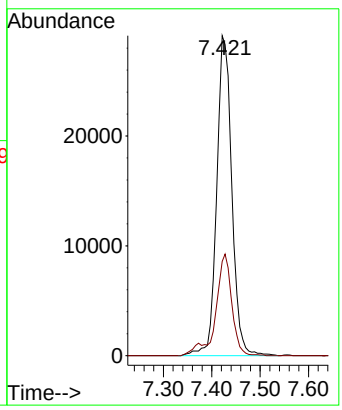
Tgt Ion: 63 Resp: 6321(

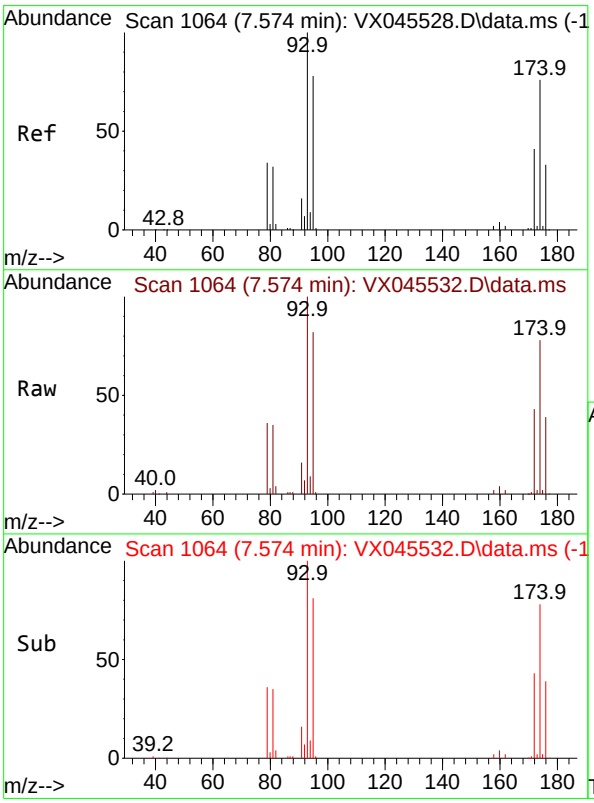
Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.8	38.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

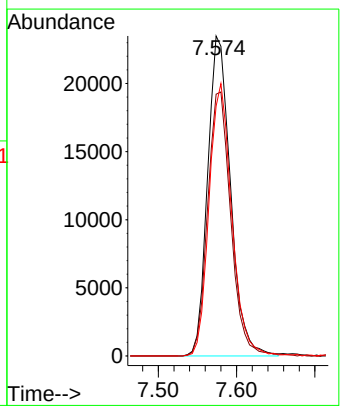


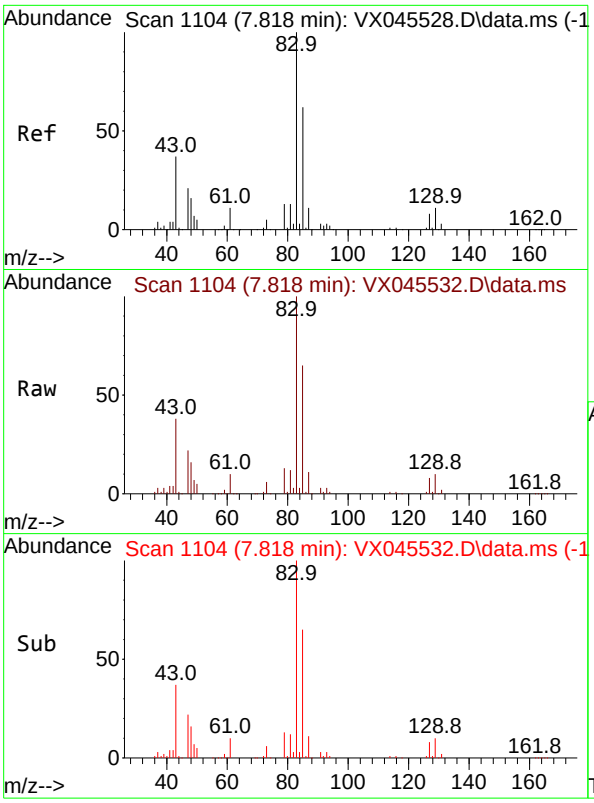


#46
Dibromomethane
Concen: 48.542 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 93 Resp: 47564

Ion	Ratio	Lower	Upper
93	100		
95	83.6	64.8	97.2
174	84.5	65.4	98.0

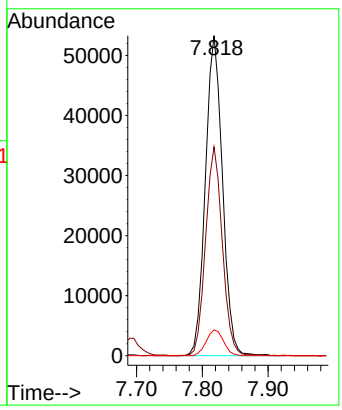




#47
Bromodichloromethane
Concen: 49.273 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 83 Resp: 9641

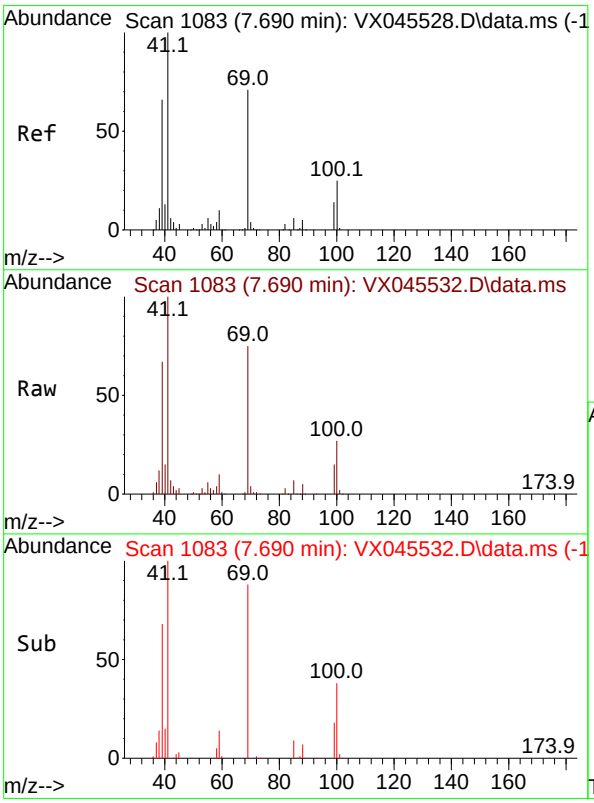
Ion	Ratio	Lower	Upper
83	100		
85	65.2	49.7	74.5
127	8.1	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

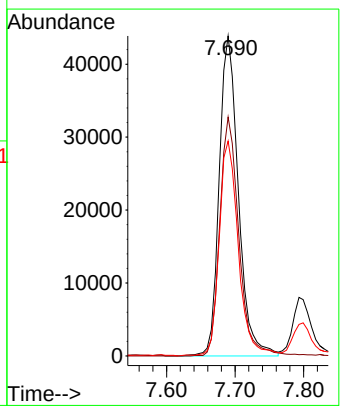
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

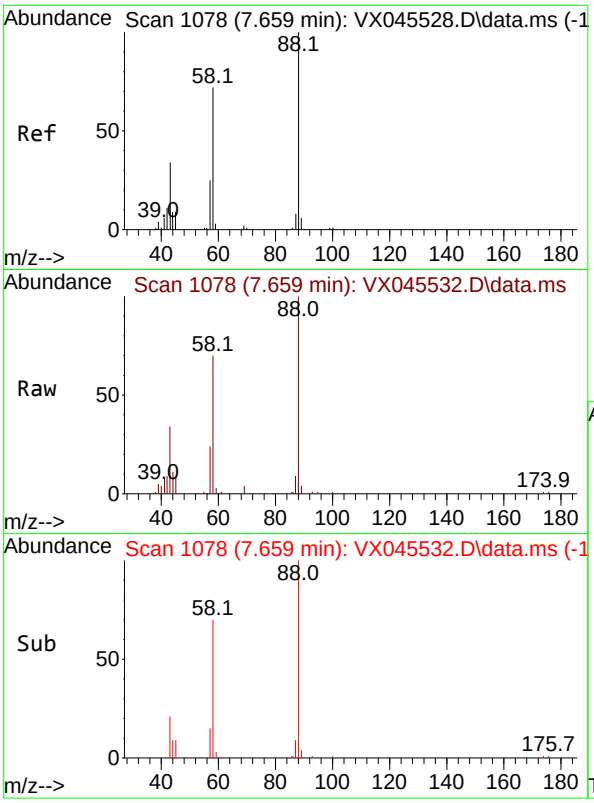


#48
Methyl methacrylate
Concen: 51.507 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 41 Resp: 85084

Ion	Ratio	Lower	Upper
41	100		
69	74.5	58.2	87.2
39	67.3	53.6	80.4





#49
1,4-Dioxane
Concen: 955.327 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

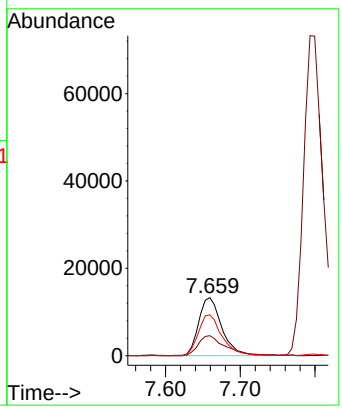
Tgt Ion: 88 Resp: 2855

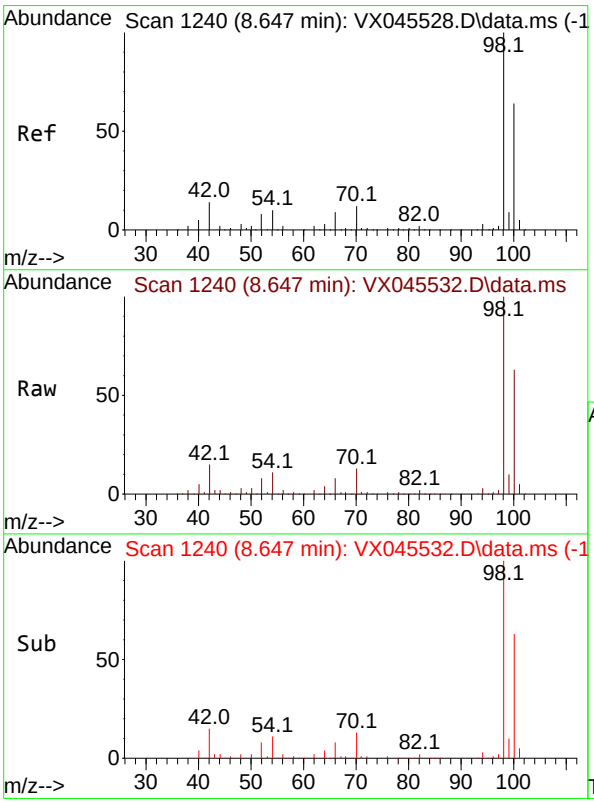
Ion	Ratio	Lower	Upper
88	100		
43	40.3	32.2	48.4
58	72.2	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
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Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

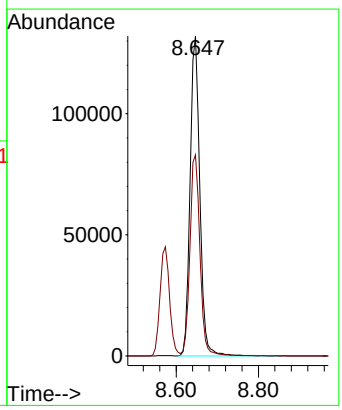


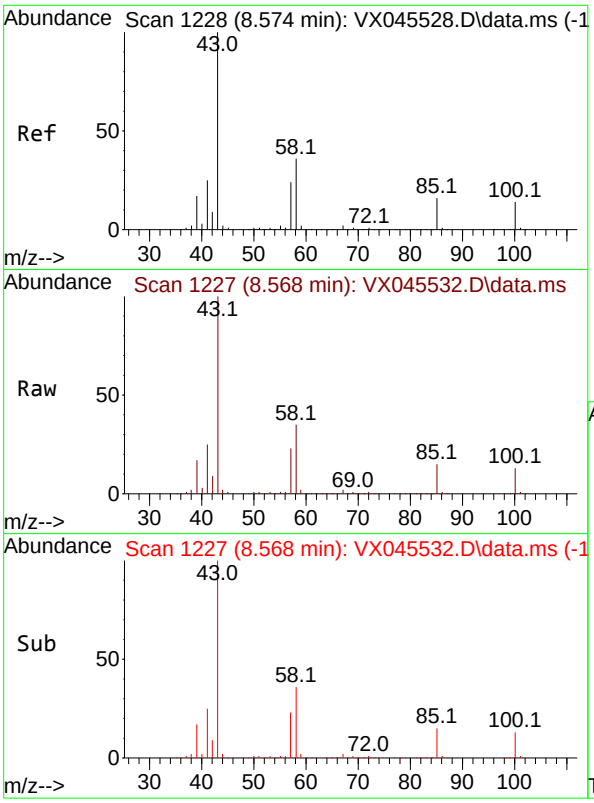


#50
Toluene-d8
Concen: 50.160 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 98 Resp: 217200

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.4

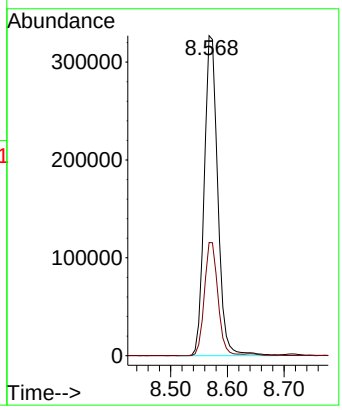




#51
4-Methyl-2-Pentanone
Concen: 254.994 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 54082

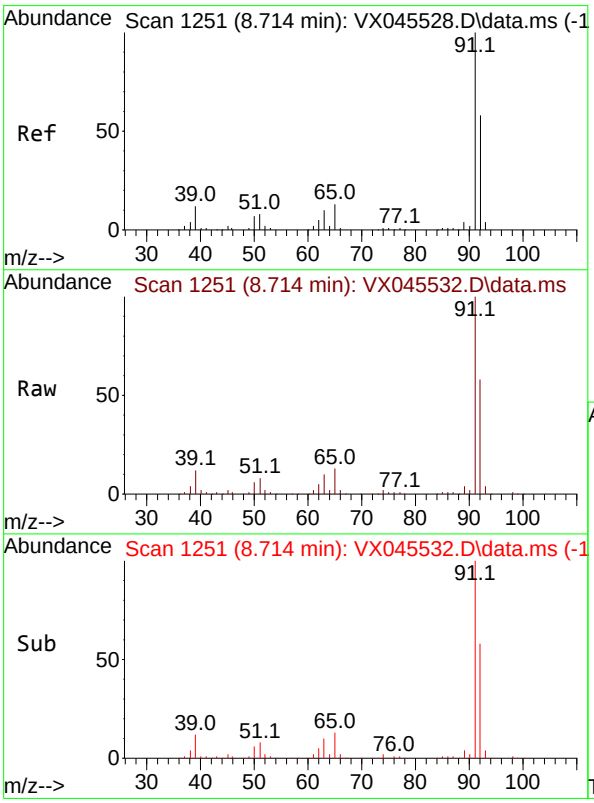
Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

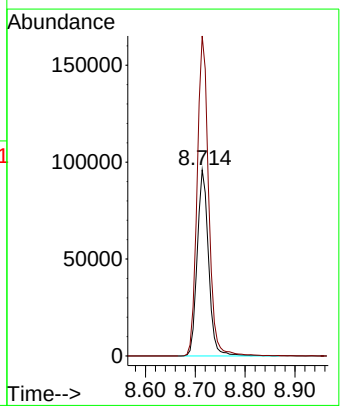
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

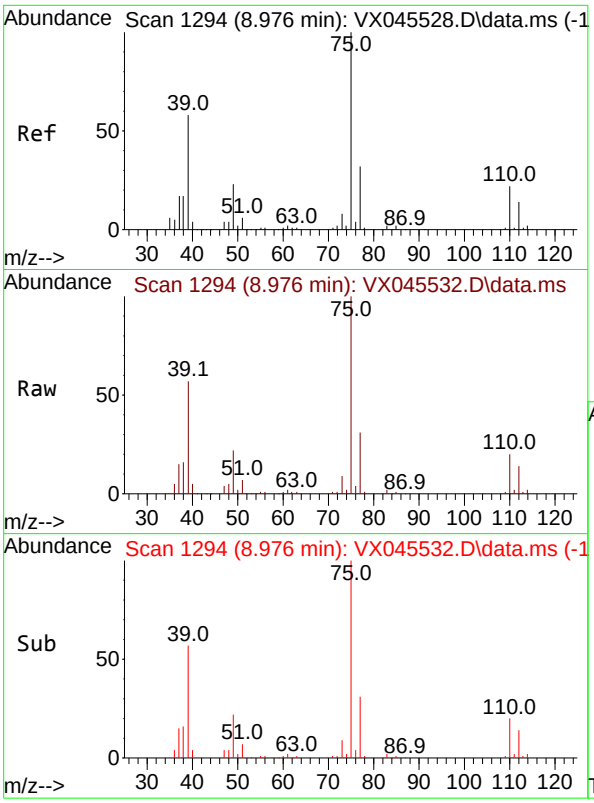


#52
Toluene
Concen: 48.994 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 92 Resp: 151664

Ion	Ratio	Lower	Upper
92	100		
91	174.0	138.7	208.1

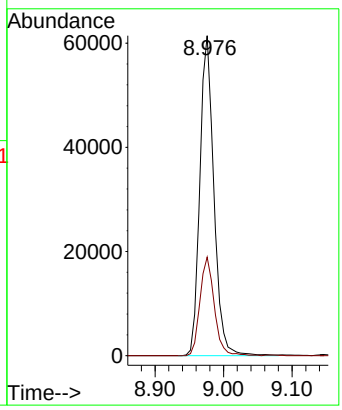




#53
t-1,3-Dichloropropene
Concen: 46.783 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 8774

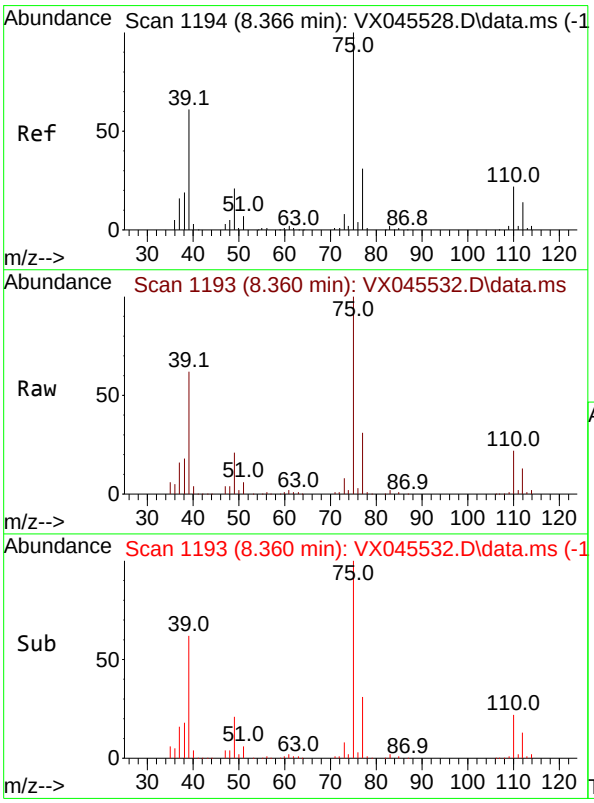
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
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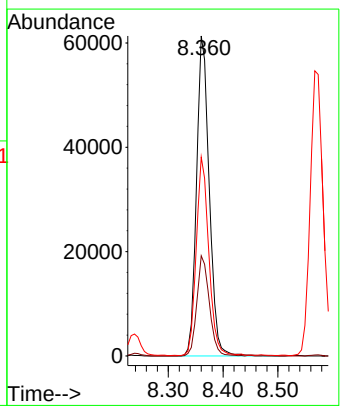
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

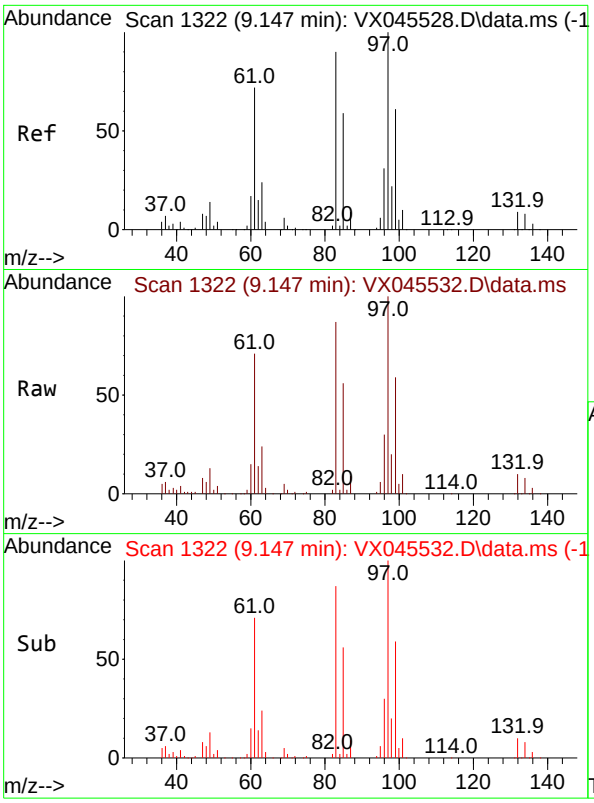


#54
cis-1,3-Dichloropropene
Concen: 53.878 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 99074

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	62.0	48.4	72.6

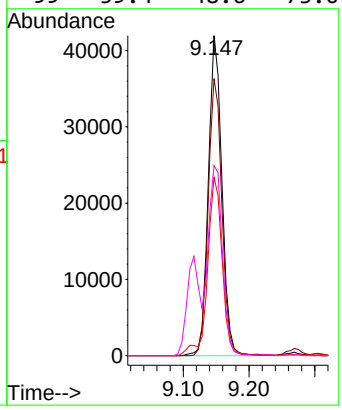




#55
1,1,2-Trichloroethane
Concen: 49.007 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 97 Resp: 6045

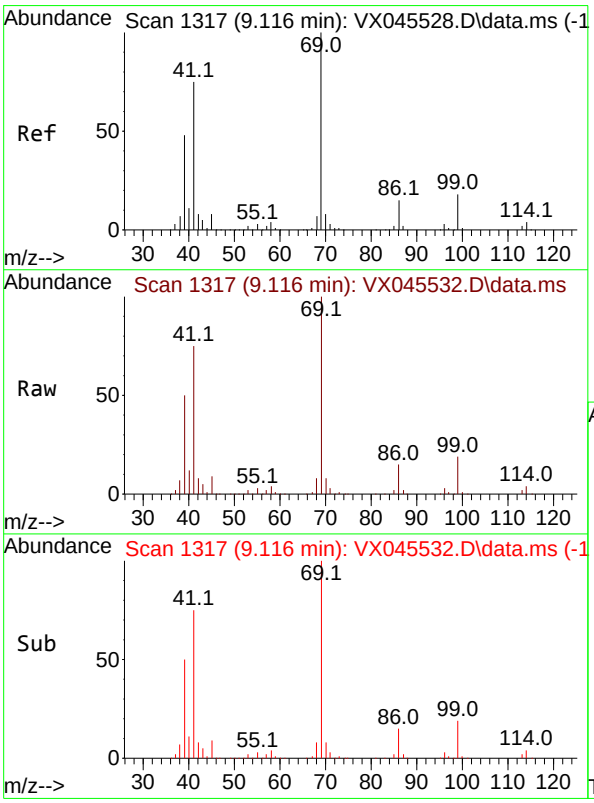
Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.8	107.8
85	55.7	47.0	70.6
99	59.4	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
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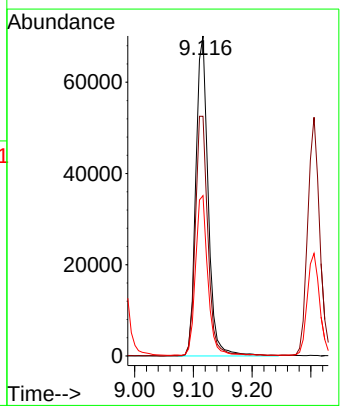
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

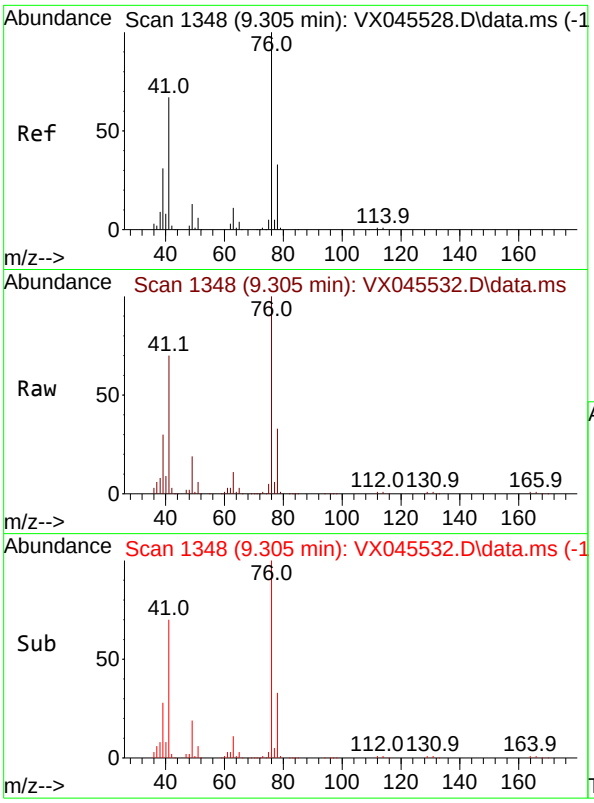


#56
Ethyl methacrylate
Concen: 53.705 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 69 Resp: 102525

Ion	Ratio	Lower	Upper
69	100		
41	76.7	61.3	91.9
39	50.7	40.2	60.2

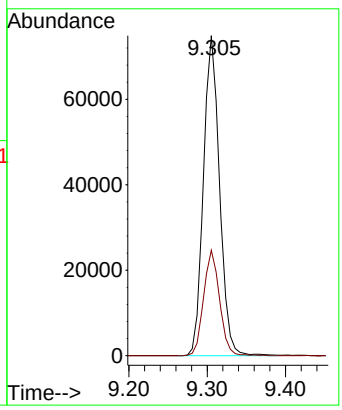




#57
1,3-Dichloropropane
Concen: 49.869 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 76 Resp: 10712

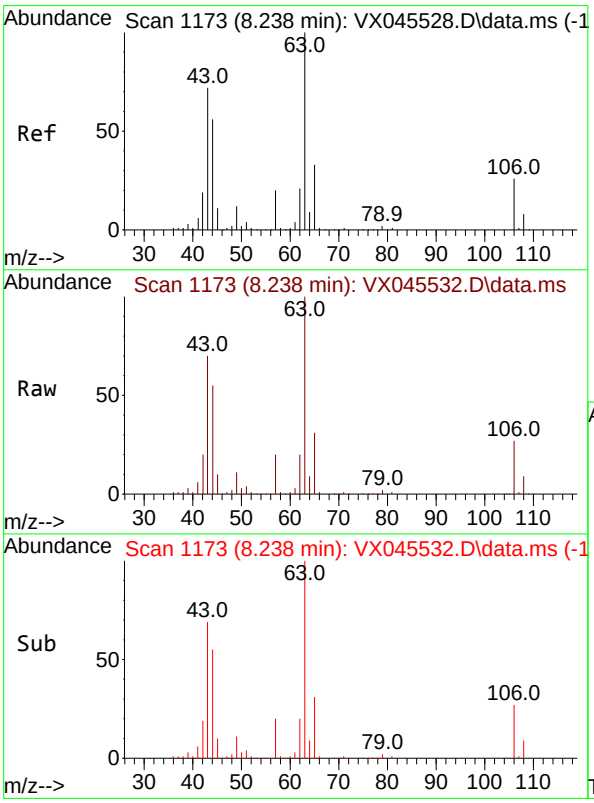
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

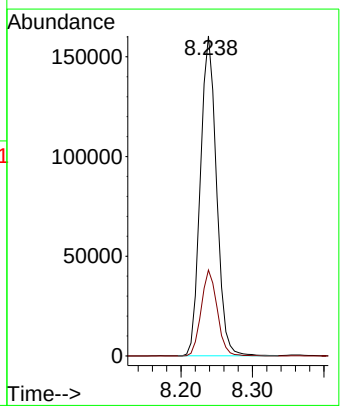
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

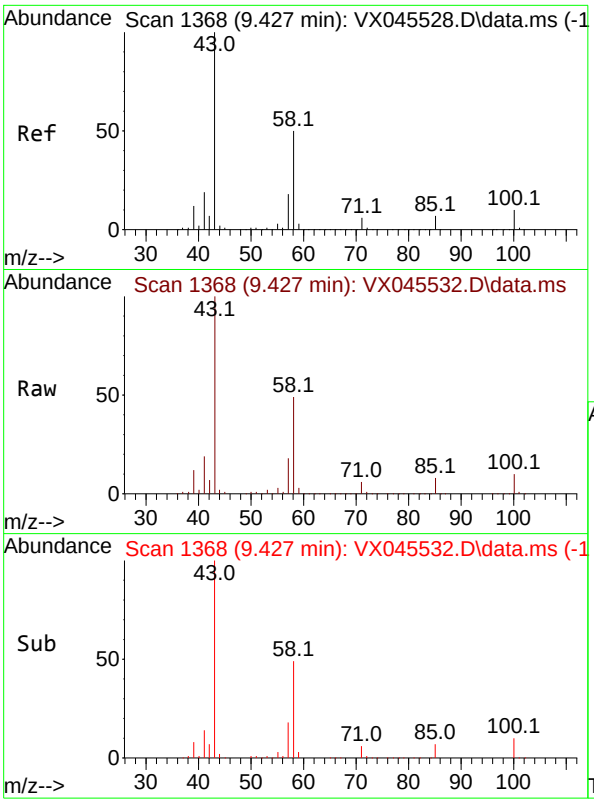


#58
2-Chloroethyl Vinyl ether
Concen: 260.201 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 63 Resp: 251285

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.6

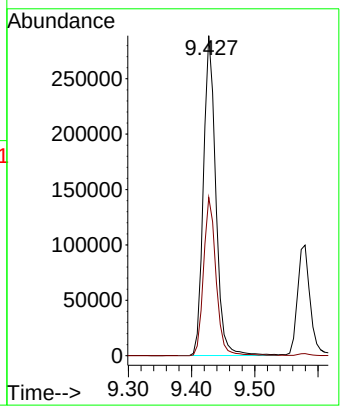




#59
2-Hexanone
Concen: 251.710 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 39533

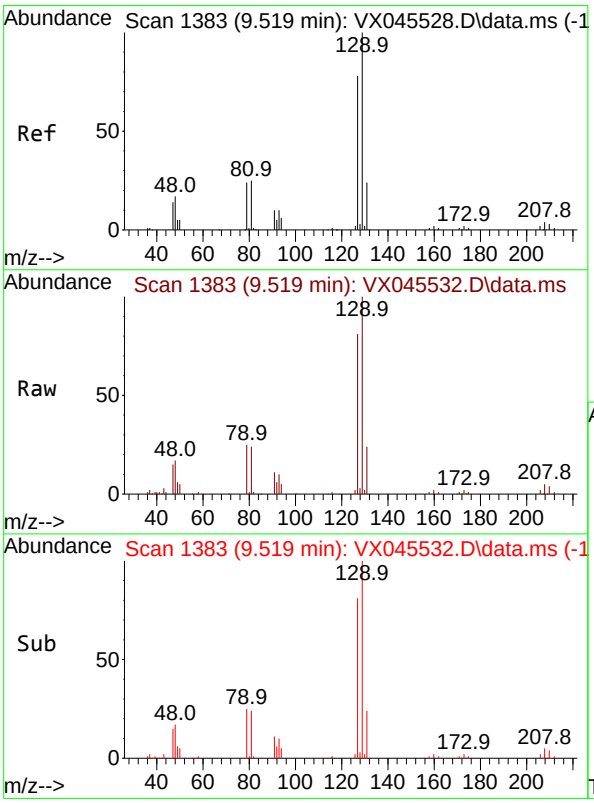
Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

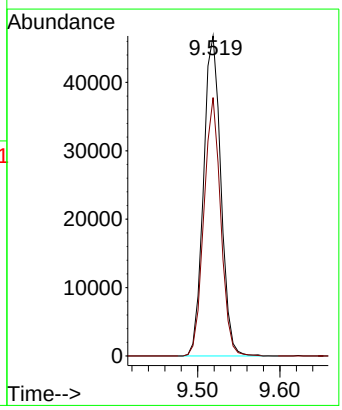
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

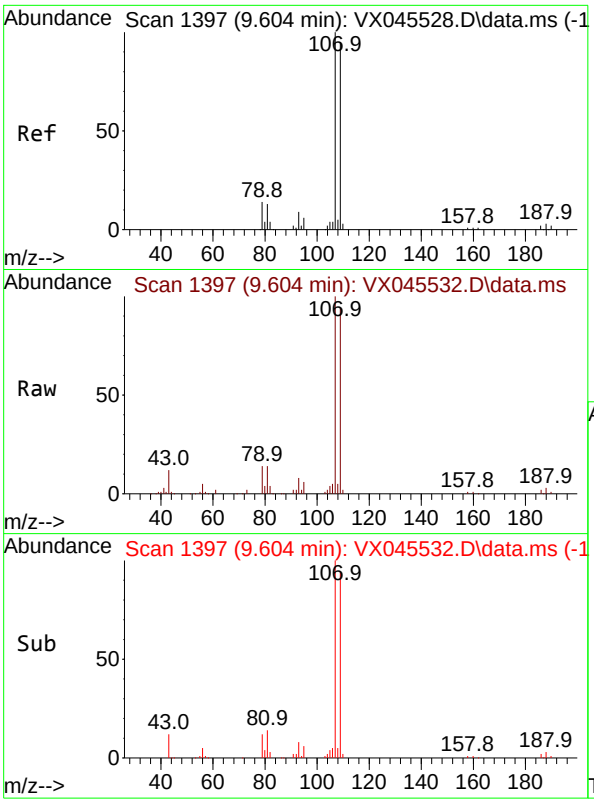


#60
Dibromochloromethane
Concen: 50.983 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:129 Resp: 68562

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.4	118.2

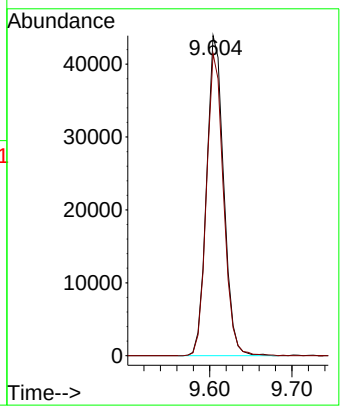




#61
1,2-Dibromoethane
Concen: 50.693 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:107 Resp: 6330

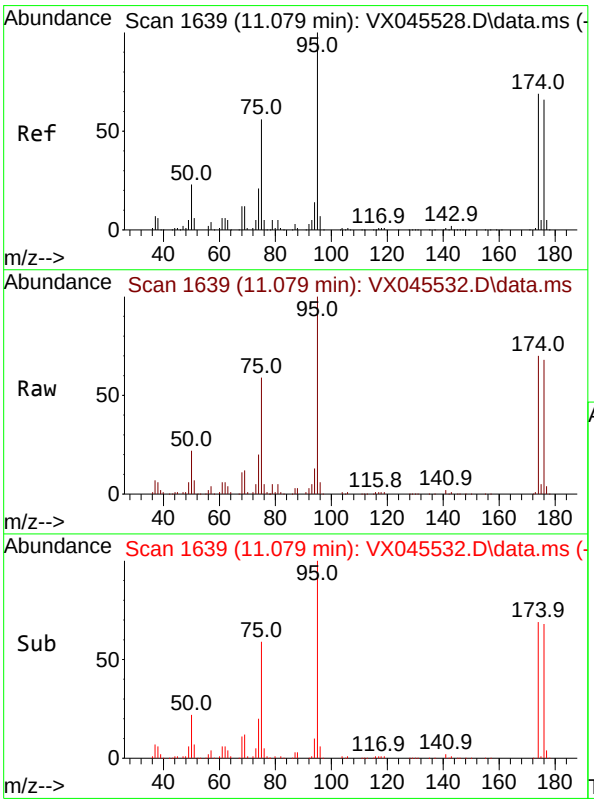
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

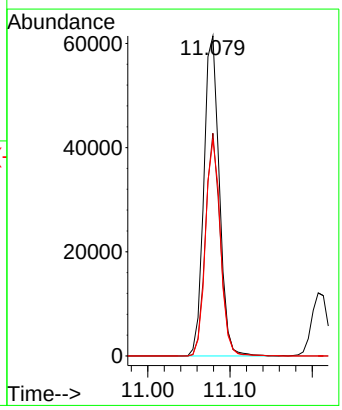
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

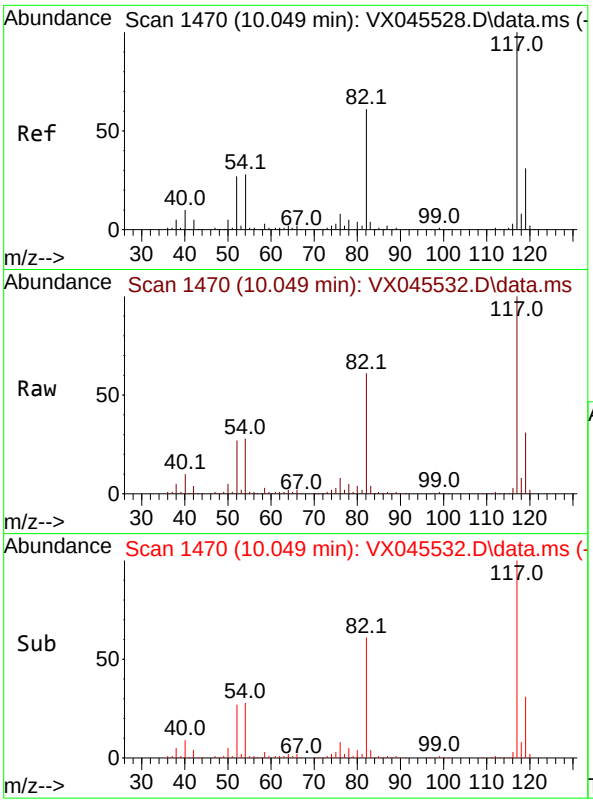


#62
4-Bromofluorobenzene
Concen: 50.959 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 95 Resp: 80376

Ion	Ratio	Lower	Upper
95	100		
174	66.4	0.0	135.8
176	65.2	0.0	131.4

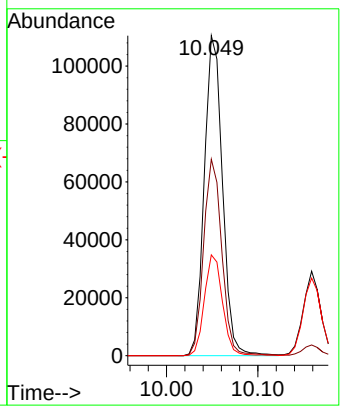




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:117 Resp: 15241

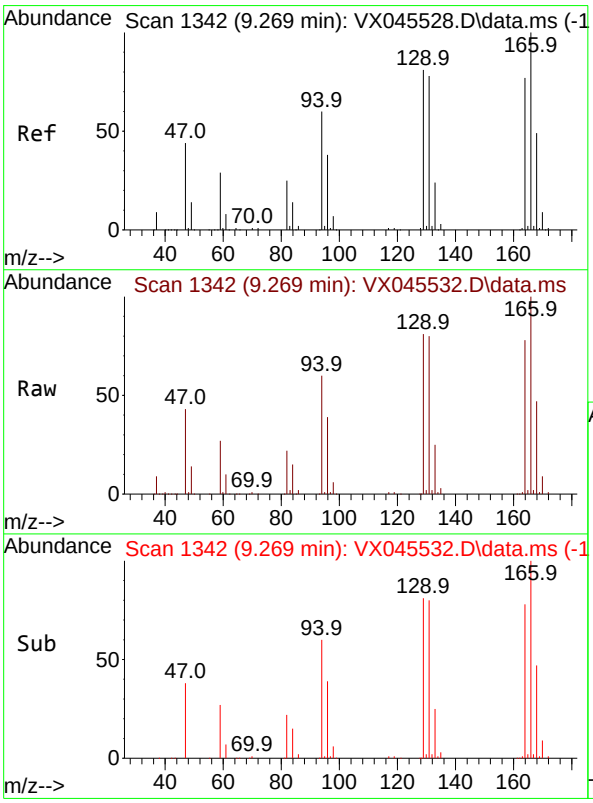
Ion	Ratio	Lower	Upper
117	100		
82	61.4	49.2	73.8
119	31.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

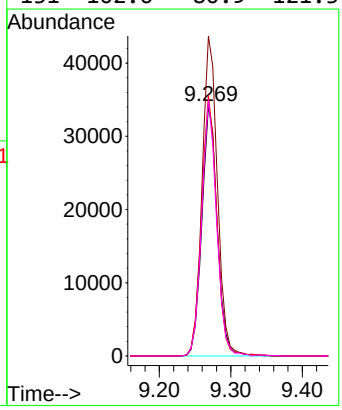
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

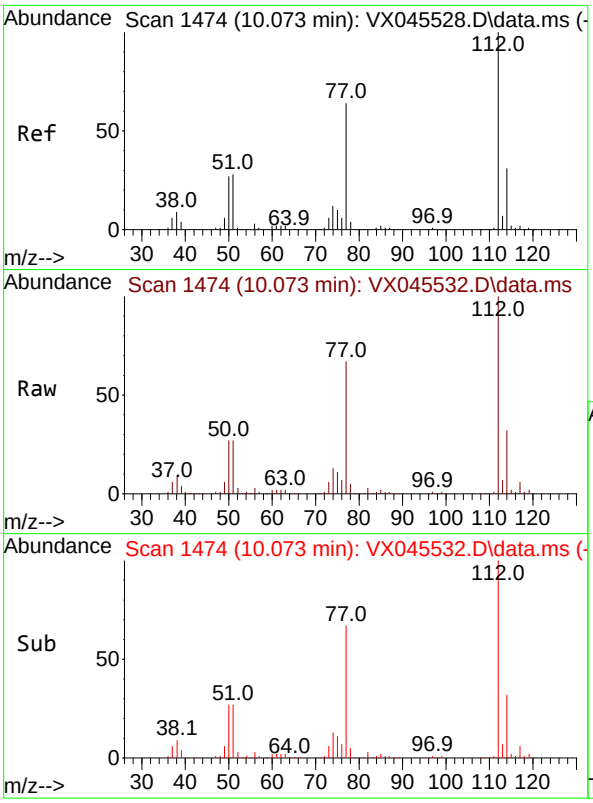


#64
Tetrachloroethene
Concen: 47.239 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:164 Resp: 50834

Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.8	155.8
129	104.3	84.3	126.5
131	102.6	80.9	121.3

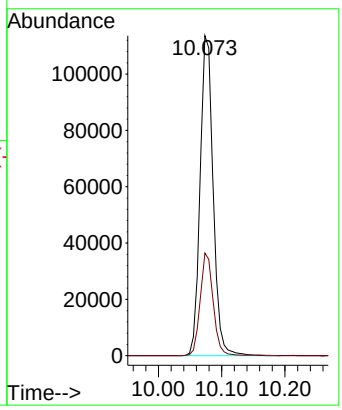




#65
Chlorobenzene
Concen: 50.207 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:112 Resp: 16351

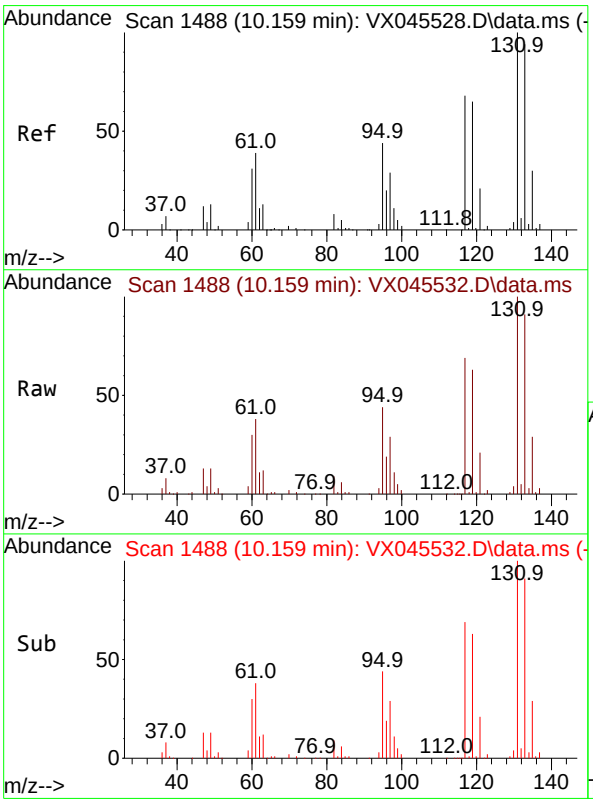
Ion	Ratio	Lower	Upper
112	100		
114	32.0	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

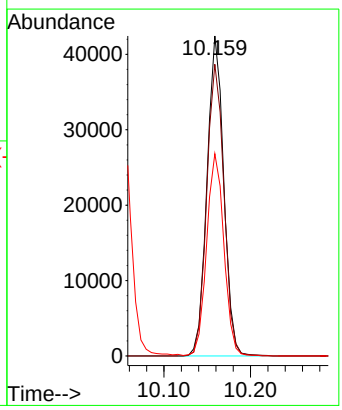
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

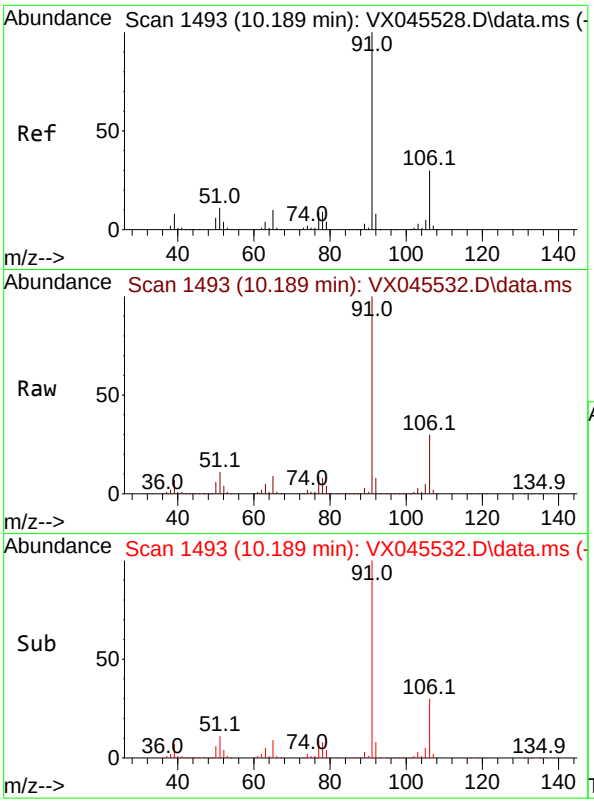


#66
1,1,1,2-Tetrachloroethane
Concen: 50.495 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:131 Resp: 57096

Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.5	142.5
119	65.0	32.9	98.6

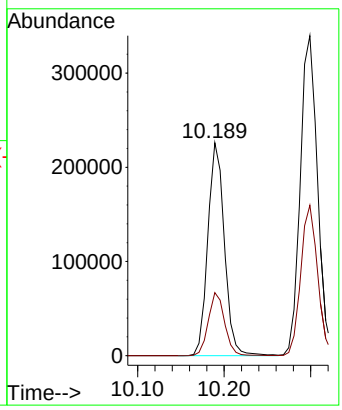




#67
Ethyl Benzene
Concen: 51.558 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 30074

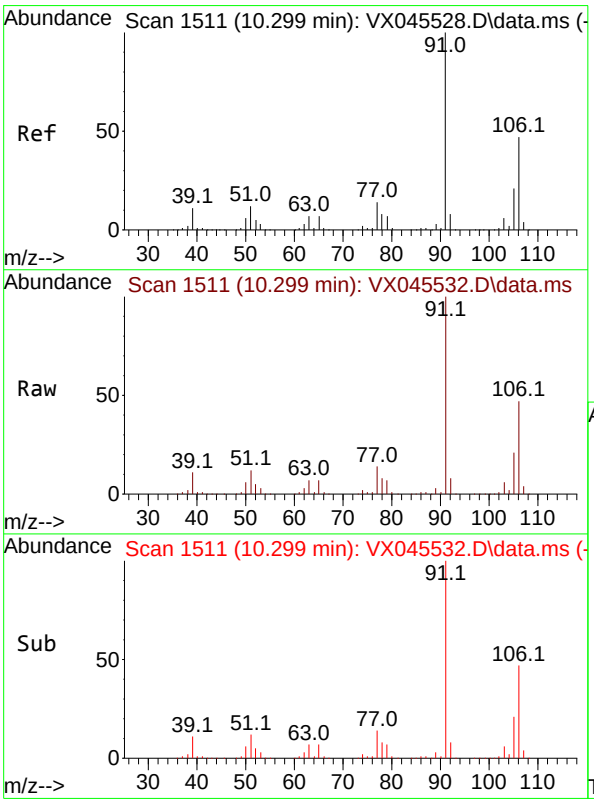
Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

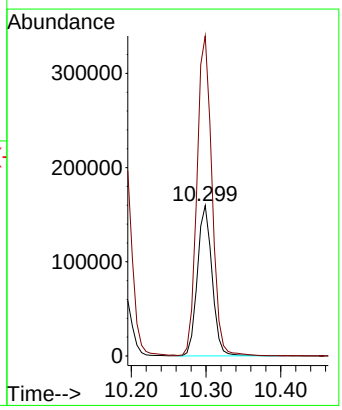
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

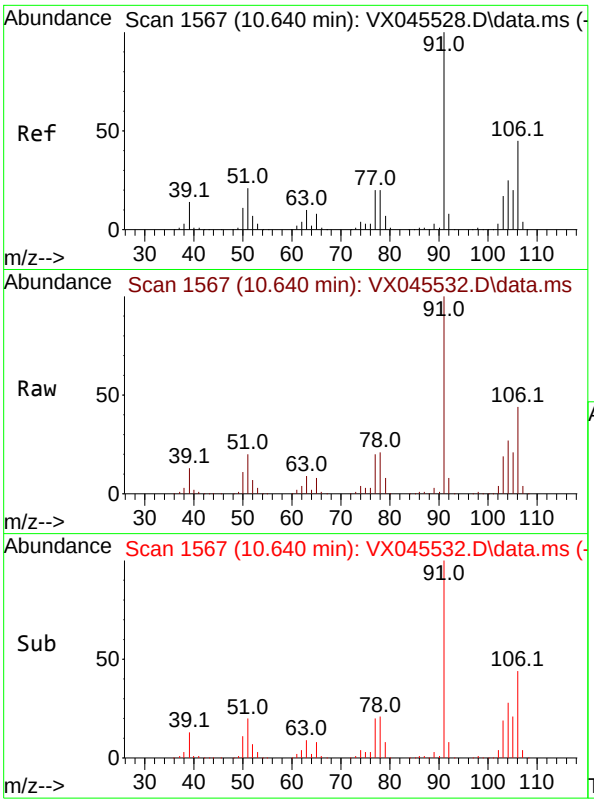


#68
m/p-Xylenes
Concen: 102.728 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:106 Resp: 217943

Ion	Ratio	Lower	Upper
106	100		
91	217.6	172.6	258.8

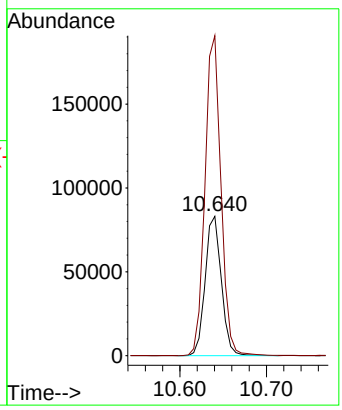




#69
o-Xylene
Concen: 51.650 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:106 Resp: 10794

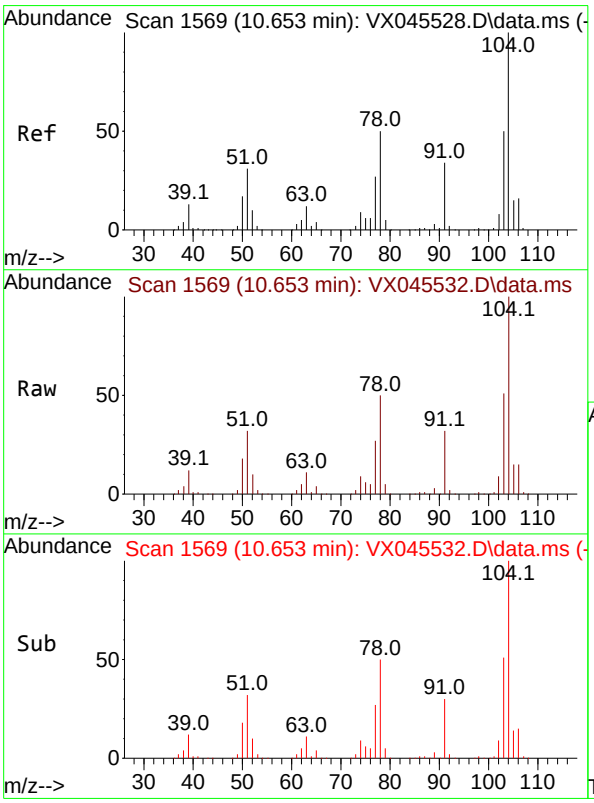
Ion	Ratio	Lower	Upper
106	100		
91	226.8	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

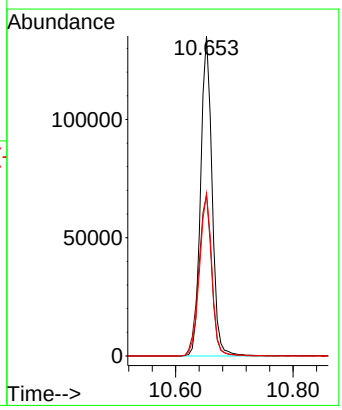
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

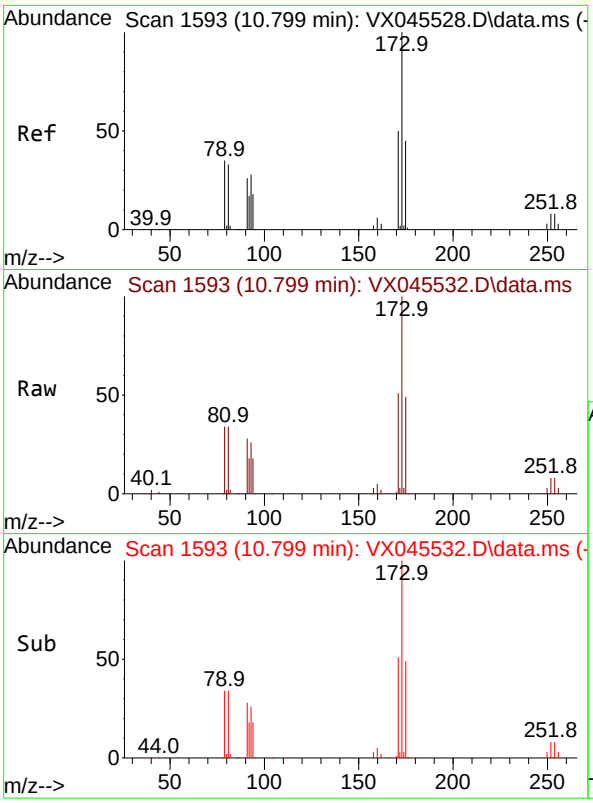


#70
Styrene
Concen: 52.624 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:104 Resp: 181524

Ion	Ratio	Lower	Upper
104	100		
78	57.0	45.4	68.2
103	55.2	43.8	65.8

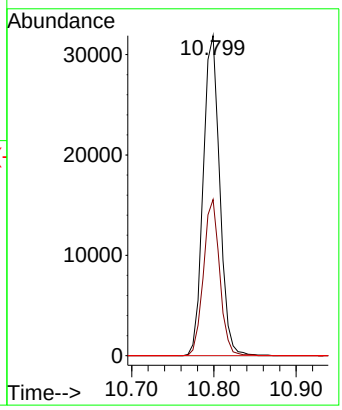




#71
Bromoform
Concen: 52.694 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:173 Resp: 4448

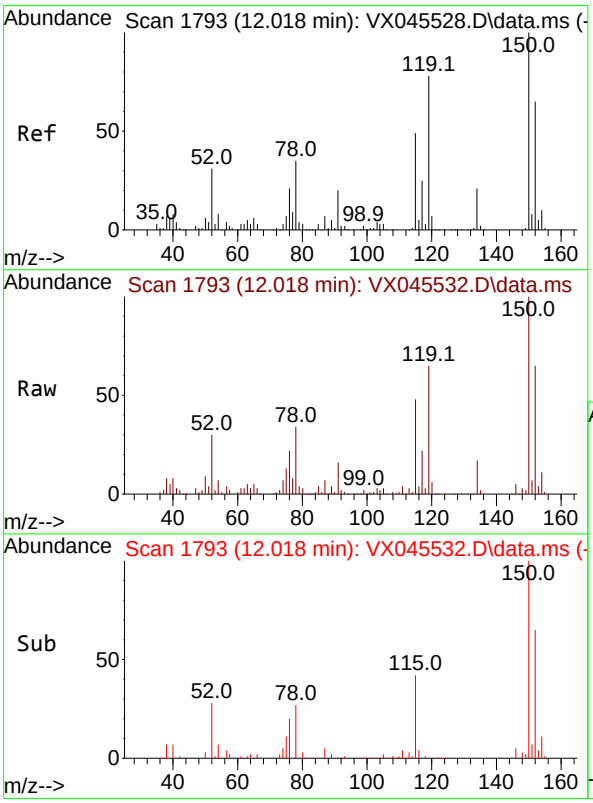
Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

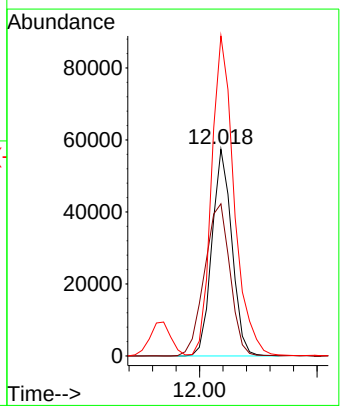
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

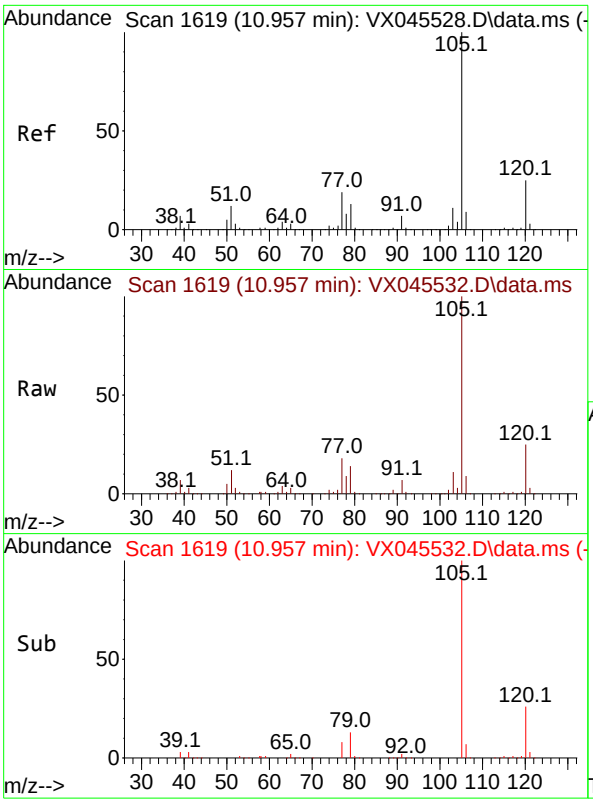


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:152 Resp: 67633

Ion	Ratio	Lower	Upper
152	100		
115	94.2	46.9	140.7
150	175.4	0.0	349.4





#73
Isopropylbenzene
Concen: 52.794 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

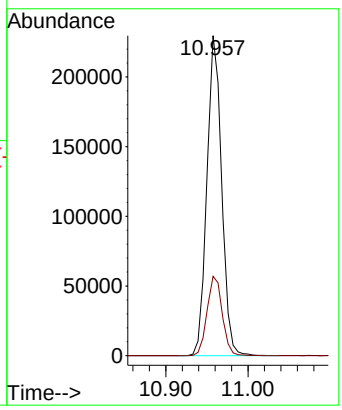
Tgt Ion:105 Resp: 28601

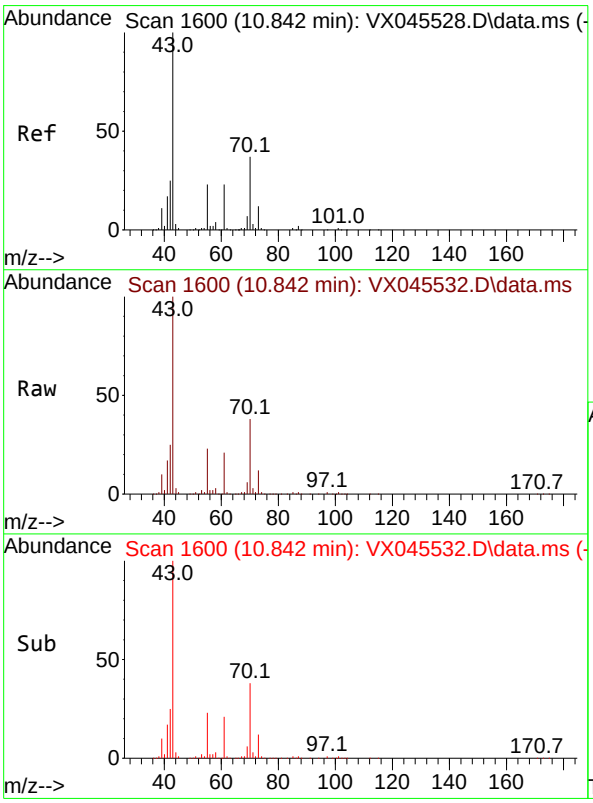
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

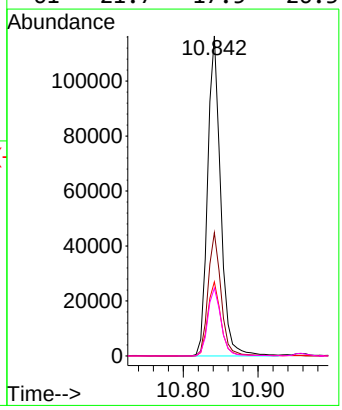


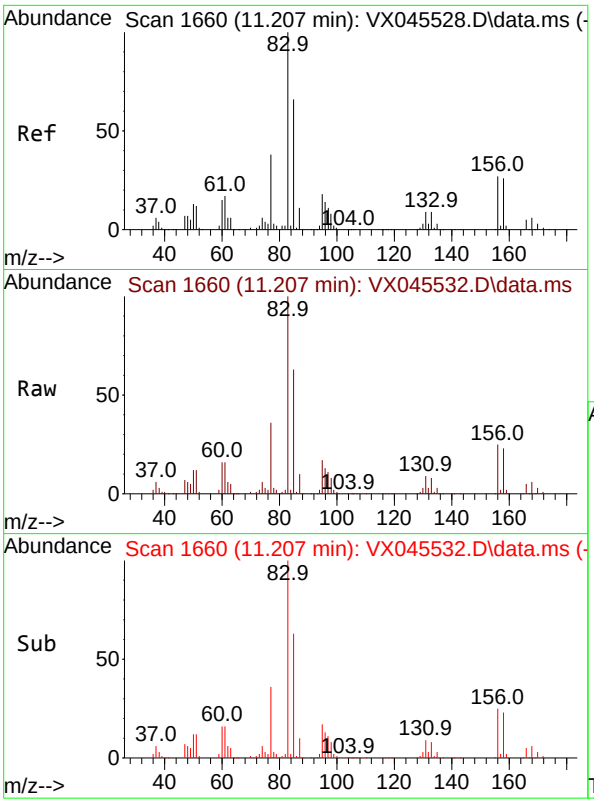


#74
N-amyl acetate
Concen: 54.387 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 140941

Ion	Ratio	Lower	Upper
43	100		
70	38.2	30.1	45.1
55	23.3	18.3	27.5
61	21.7	17.5	26.3

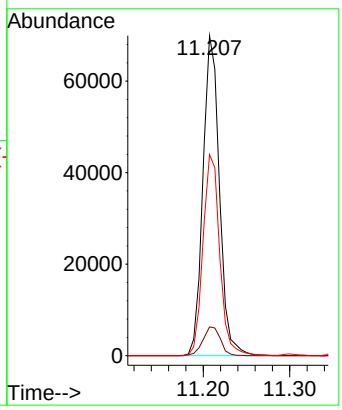




#75
1,1,2,2-Tetrachloroethane
Concen: 48.608 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 83 Resp: 9250

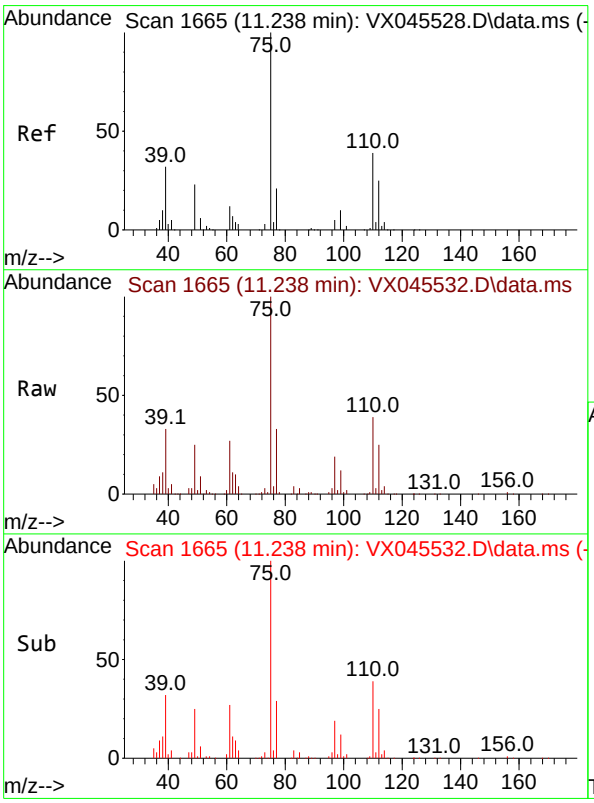
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	63.9	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

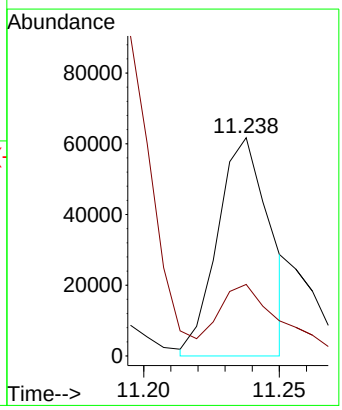
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

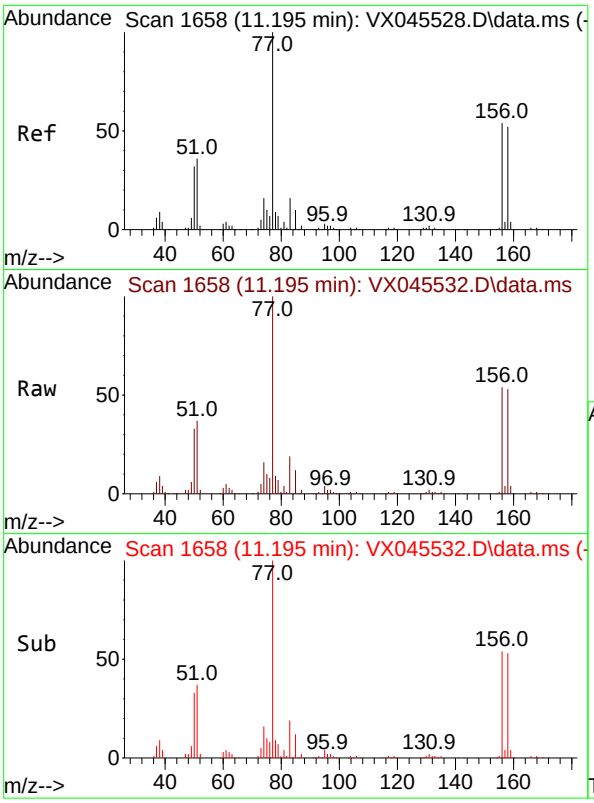


#76
1,2,3-Trichloropropane
Concen: 49.741 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 82060

Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.0	59.9

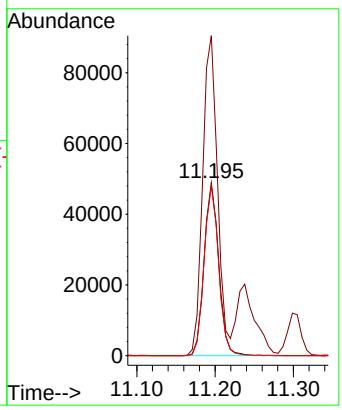




#77
Bromobenzene
Concen: 50.525 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:156 Resp: 6324

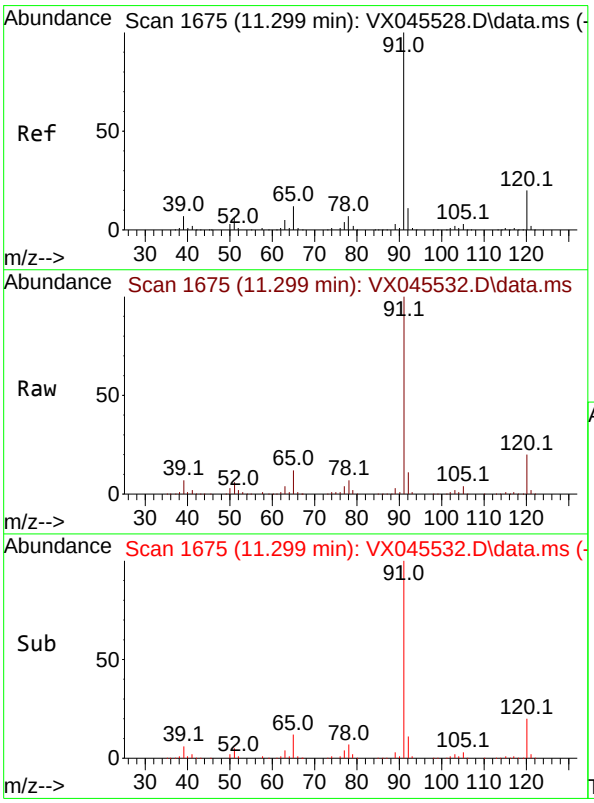
Ion	Ratio	Lower	Upper
156	100		
77	188.0	92.6	277.8
158	97.5	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

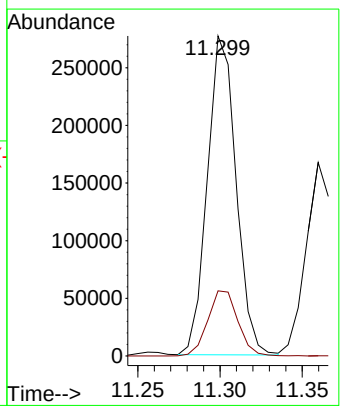
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

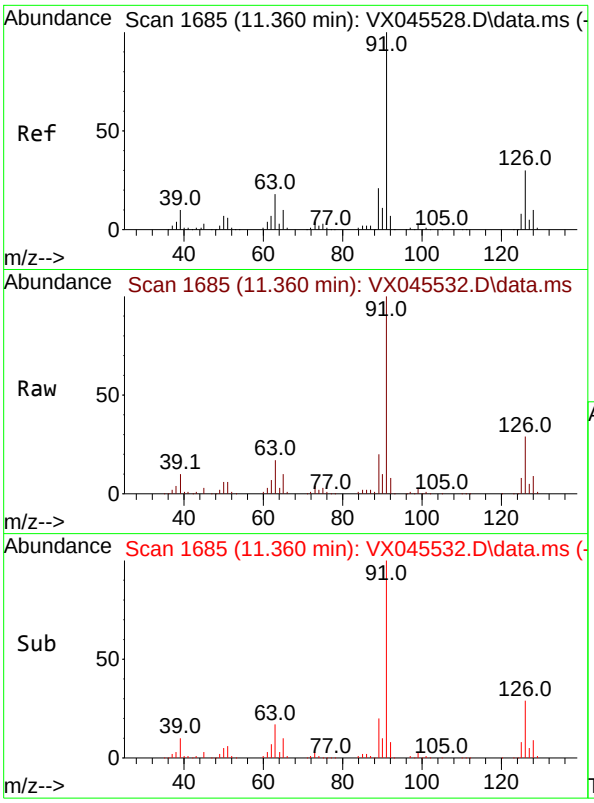


#78
n-propylbenzene
Concen: 53.967 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 336753

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.3

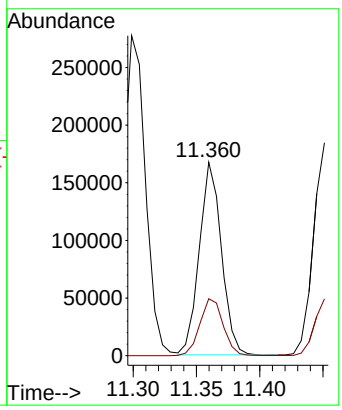




#79
2-Chlorotoluene
Concen: 51.057 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 20367

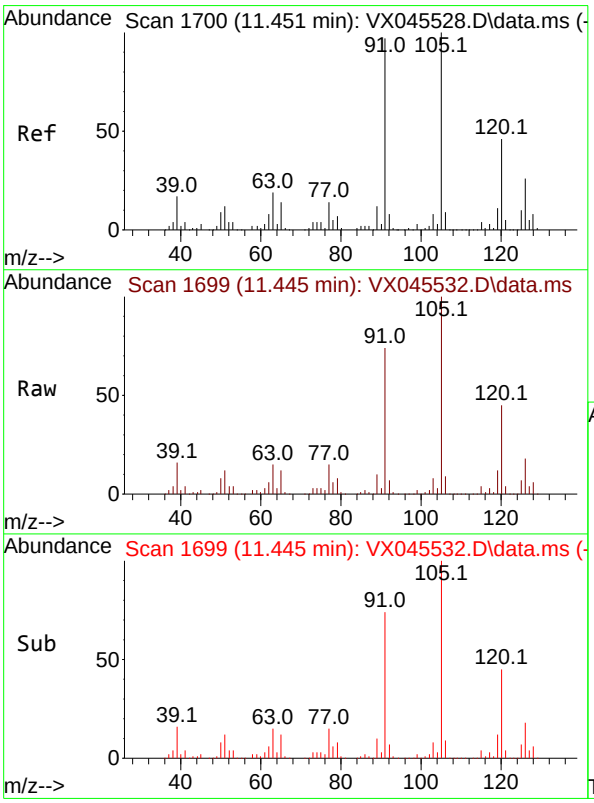
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

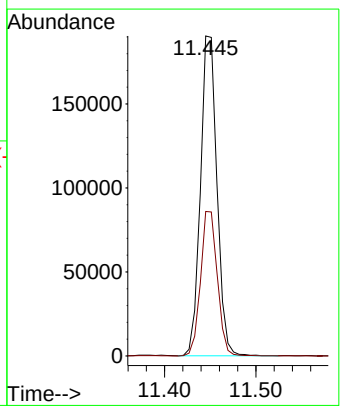
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

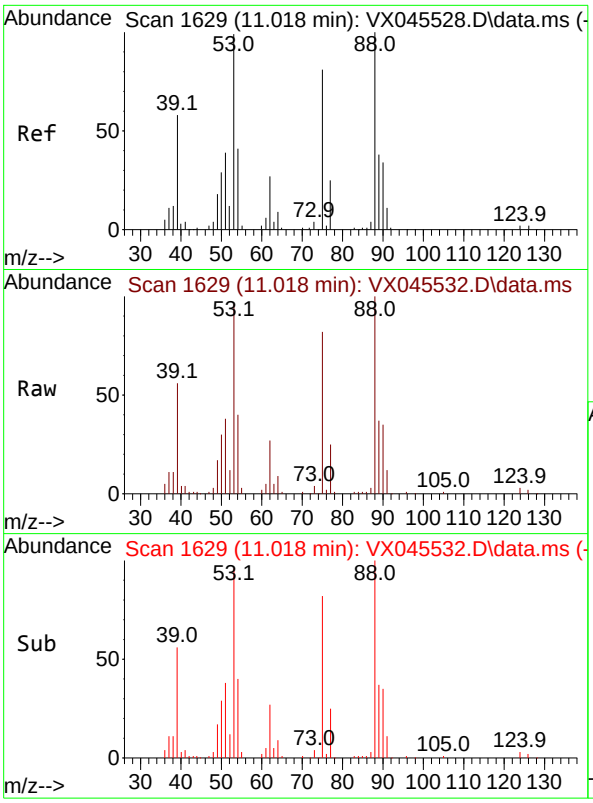


#80
1,3,5-Trimethylbenzene
Concen: 53.534 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:105 Resp: 239822

Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.0	69.0

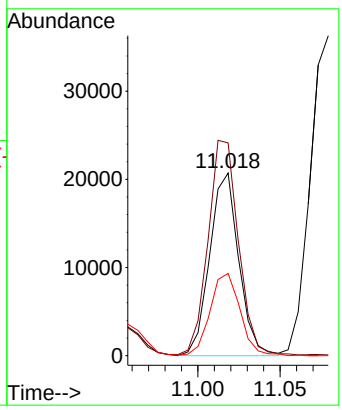




#81
trans-1,4-Dichloro-2-butene
Concen: 52.482 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 2551

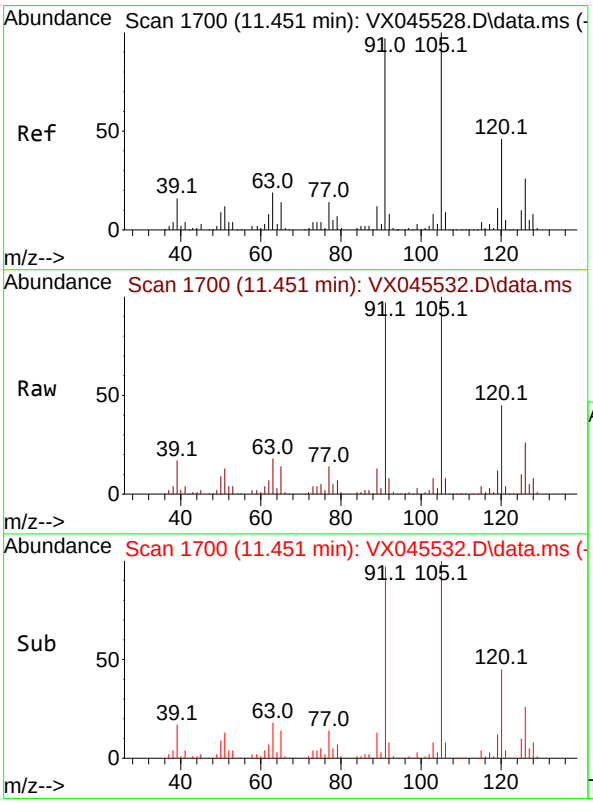
Ion	Ratio	Lower	Upper
75	100		
53	124.4	101.8	152.6
89	46.4	37.2	55.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

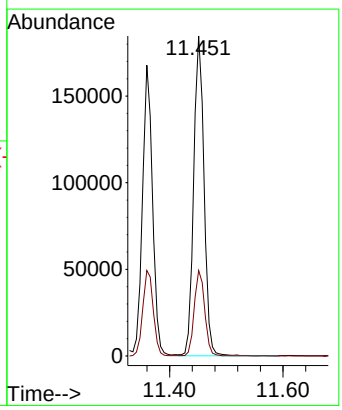
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

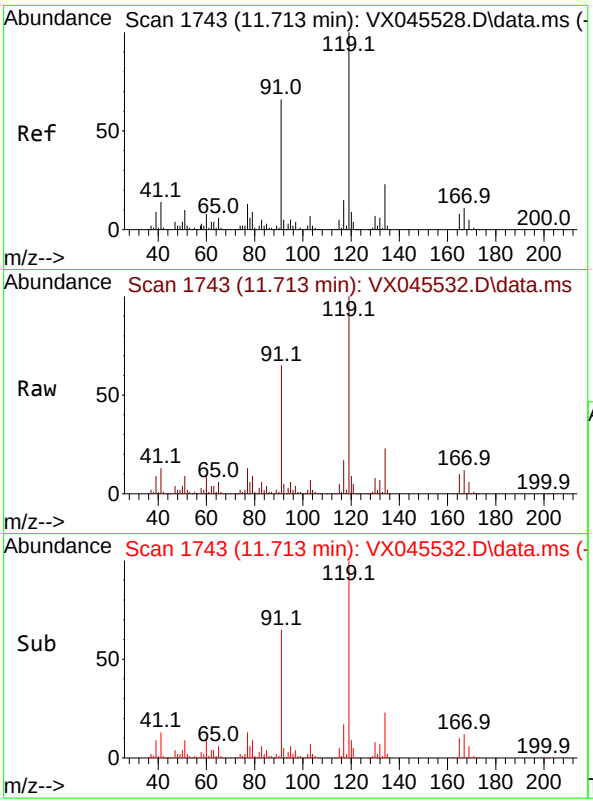


#82
4-Chlorotoluene
Concen: 52.422 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 233159

Ion	Ratio	Lower	Upper
91	100		
126	26.8	13.3	39.9

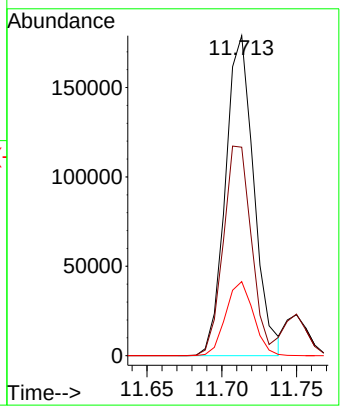




#83
tert-Butylbenzene
Concen: 53.274 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:119 Resp: 23627

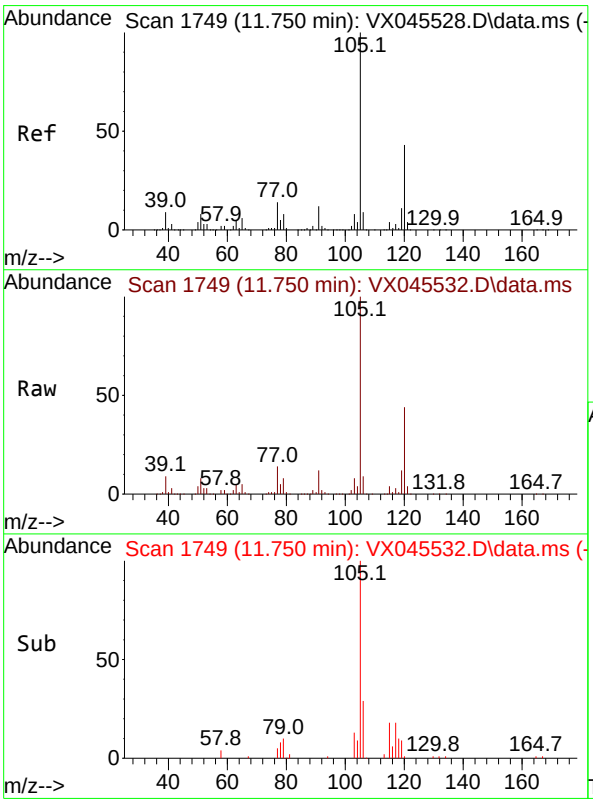
Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.4	97.2
134	22.6	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

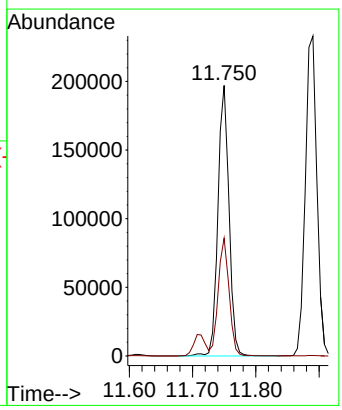
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

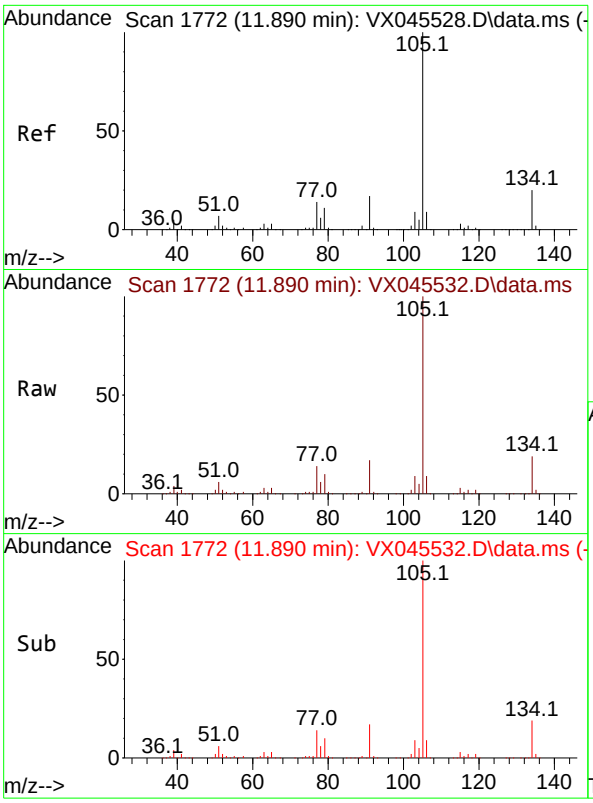


#84
1,2,4-Trimethylbenzene
Concen: 52.990 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:105 Resp: 238257

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.4	64.3

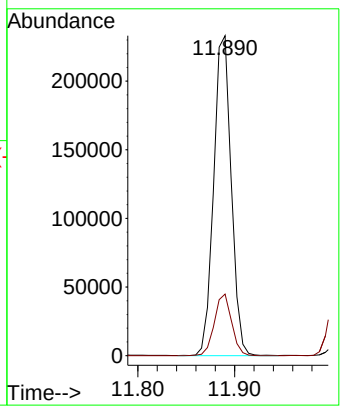




#85
sec-Butylbenzene
Concen: 53.903 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:105 Resp: 29363

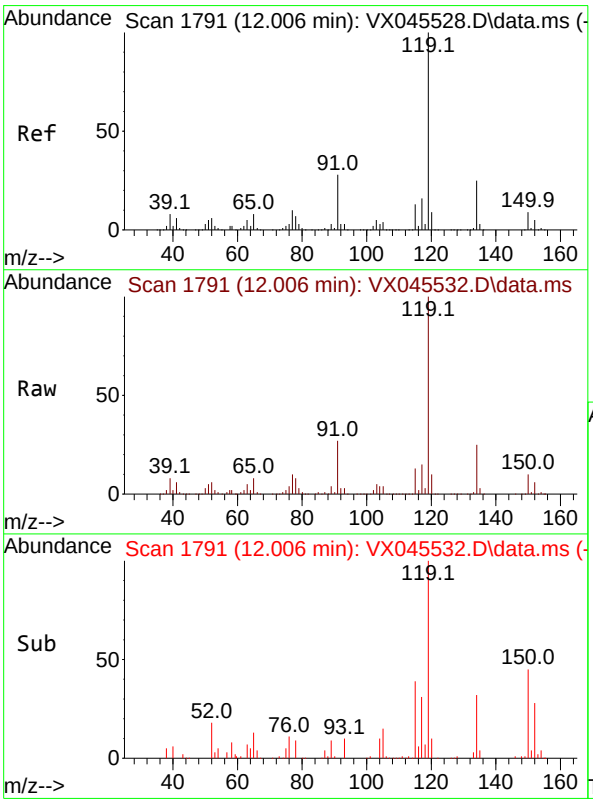
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

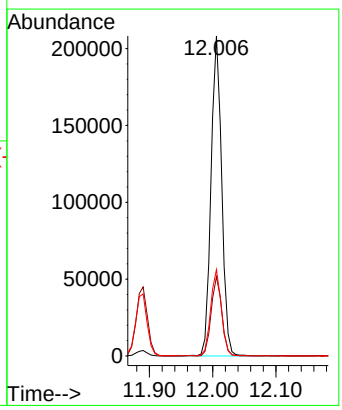
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

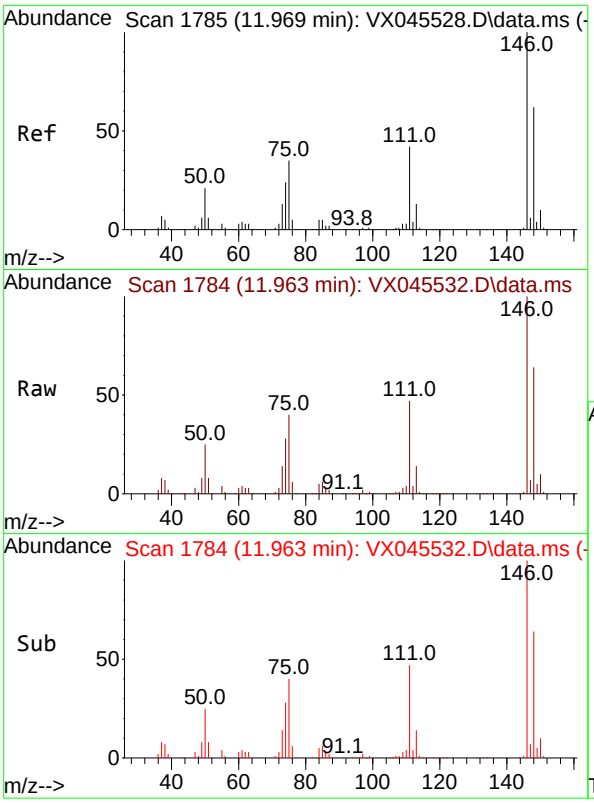


#86
p-Isopropyltoluene
Concen: 54.337 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:119 Resp: 244031

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.6	37.8
91	27.0	13.7	41.1

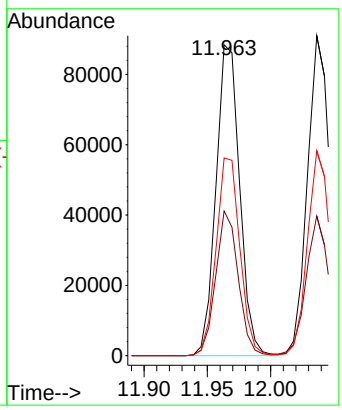




#87
1,3-Dichlorobenzene
Concen: 50.521 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:146 Resp: 11511

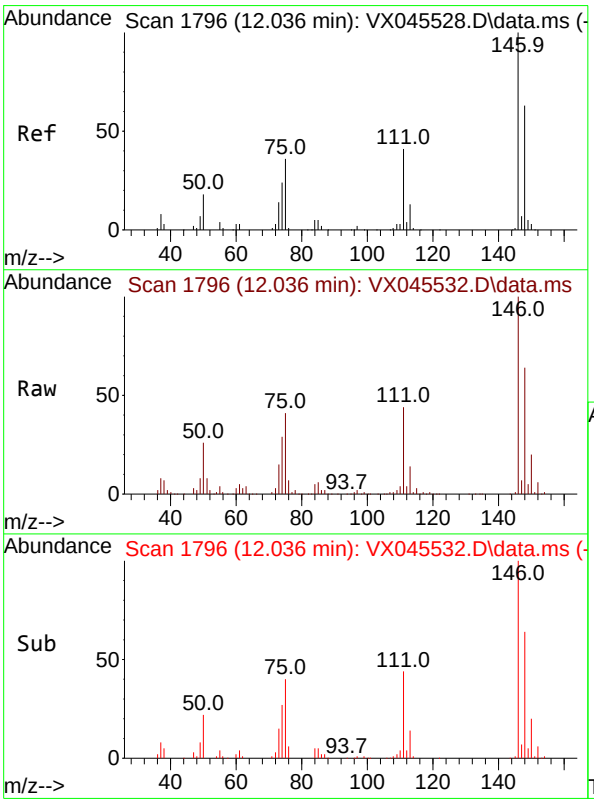
Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	63.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

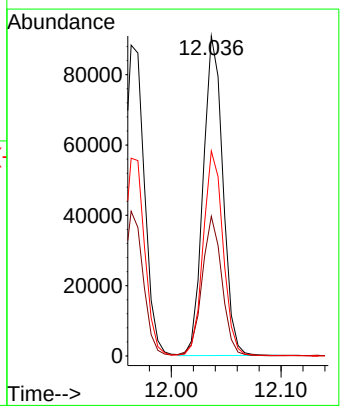
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

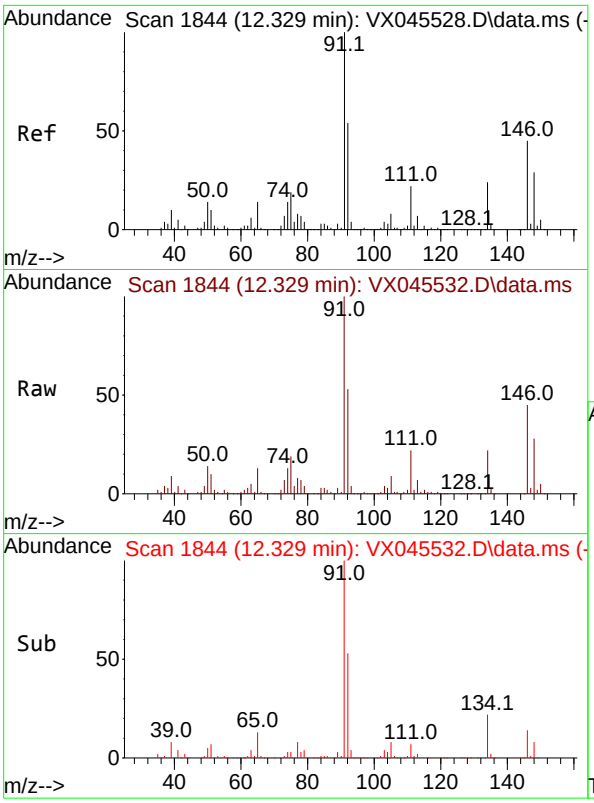


#88
1,4-Dichlorobenzene
Concen: 49.117 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:146 Resp: 113458

Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.9	62.8
148	64.5	31.5	94.5

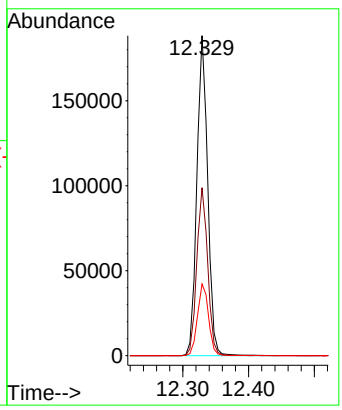




#89
n-Butylbenzene
Concen: 55.189 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 21493

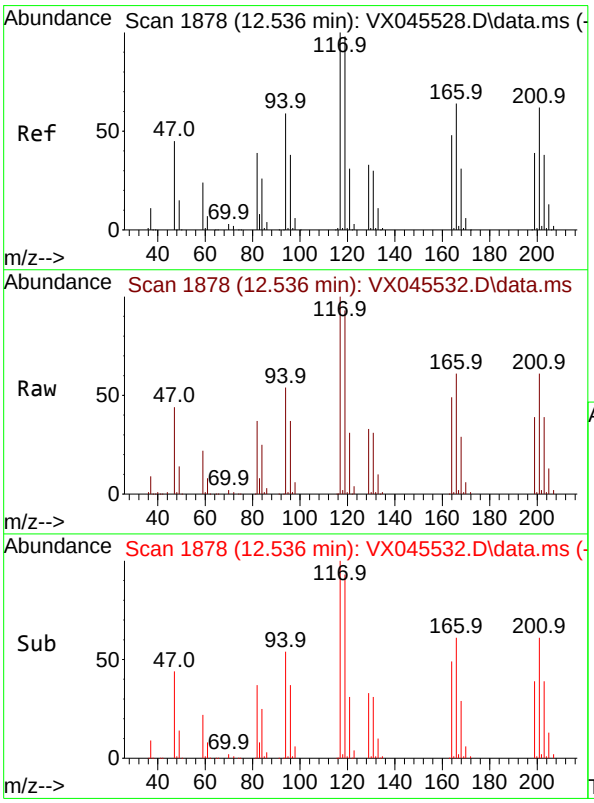
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.6
134	23.0	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

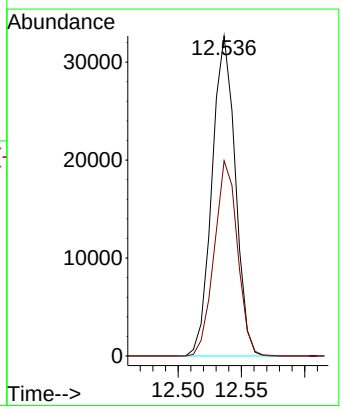
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

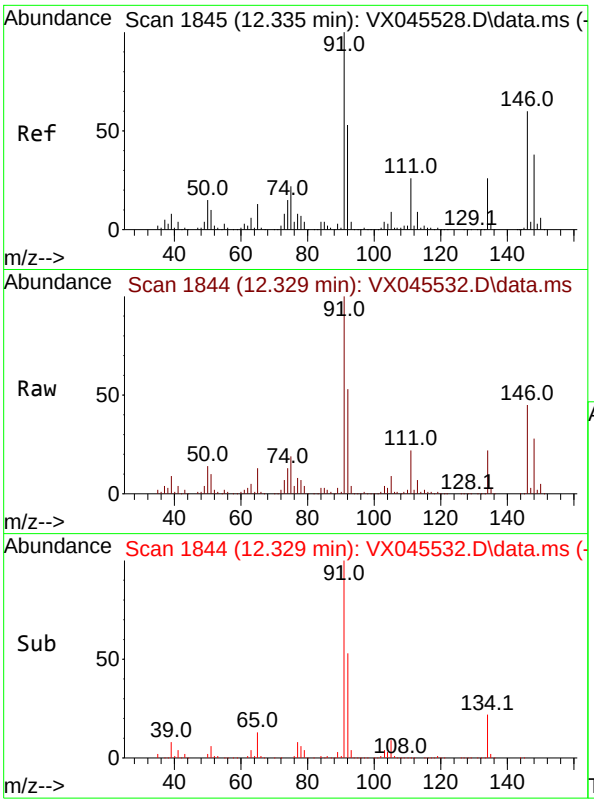


#90
Hexachloroethane
Concen: 54.066 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:117 Resp: 41729

Ion	Ratio	Lower	Upper
117	100		
201	61.0	31.2	93.6

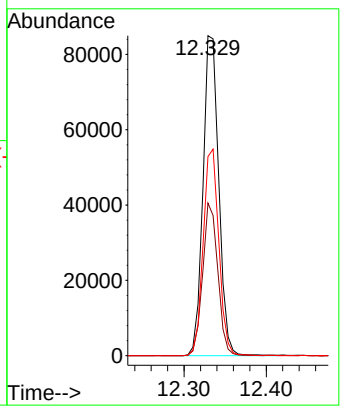




#91
1,2-Dichlorobenzene
Concen: 49.938 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:146 Resp: 11312

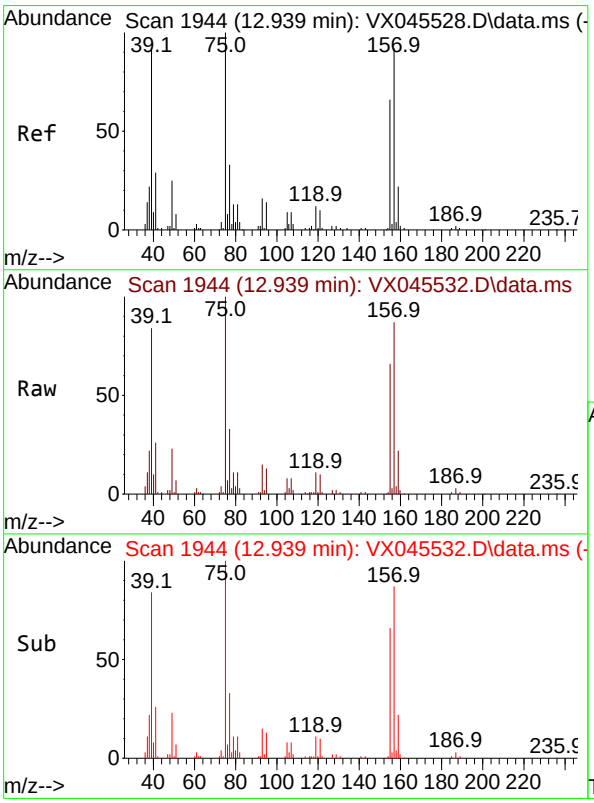
Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.8
148	64.1	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

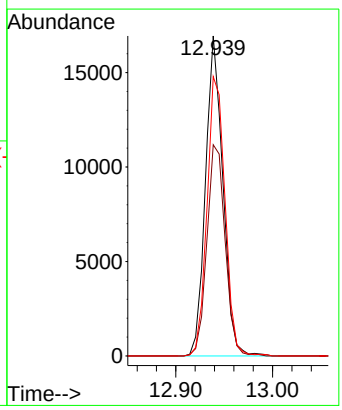
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

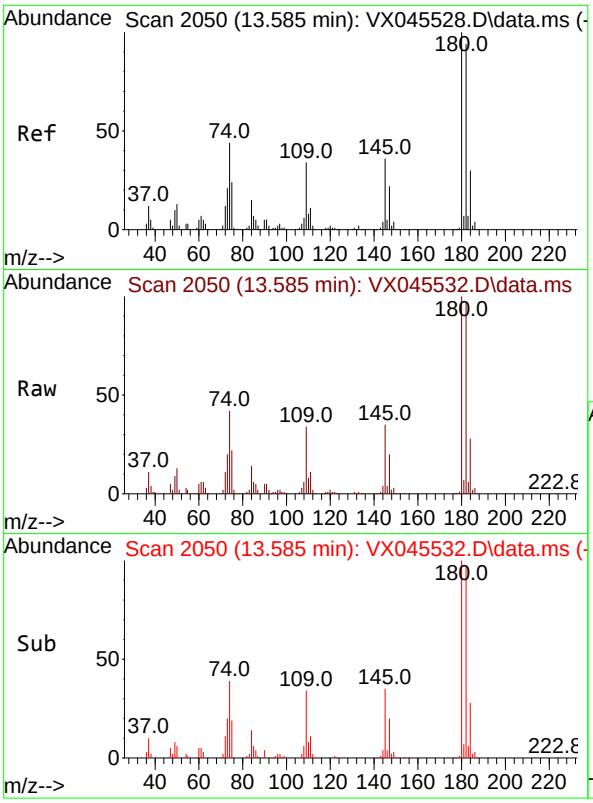


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.226 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 21184

Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.9	104.7
157	90.2	44.9	134.7

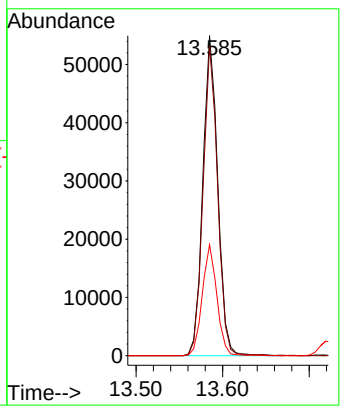




#93
1,2,4-Trichlorobenzene
Concen: 51.935 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:180 Resp: 6548

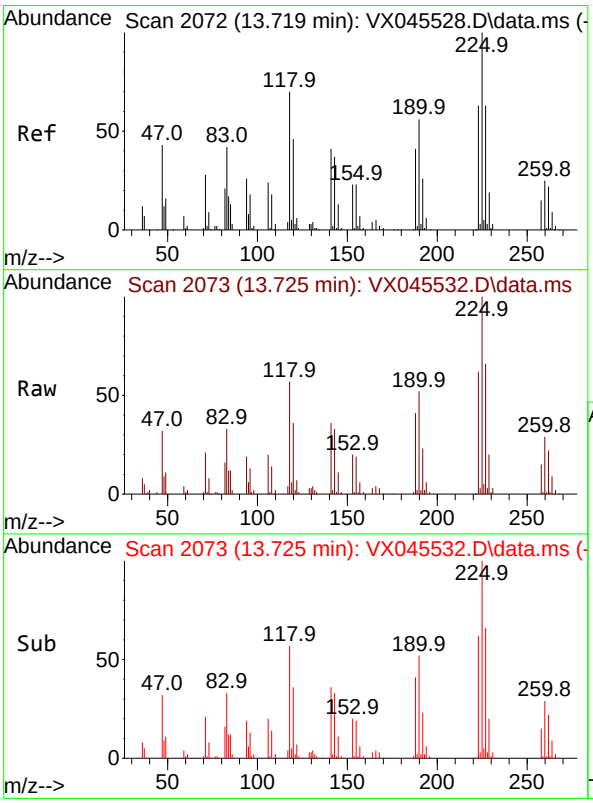
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	34.1	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

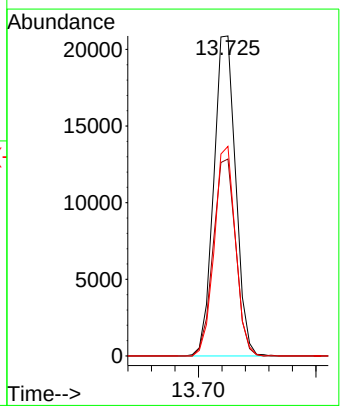
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

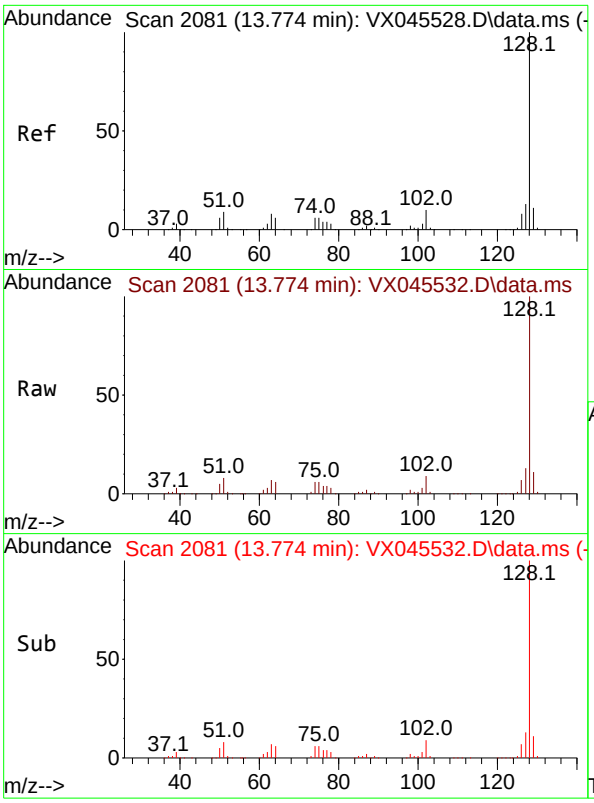


#94
Hexachlorobutadiene
Concen: 49.961 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:225 Resp: 27147

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.1	93.3
227	63.0	32.2	96.6

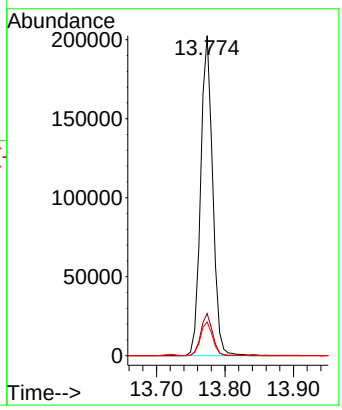




#95
Naphthalene
Concen: 52.765 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:128 Resp: 24760

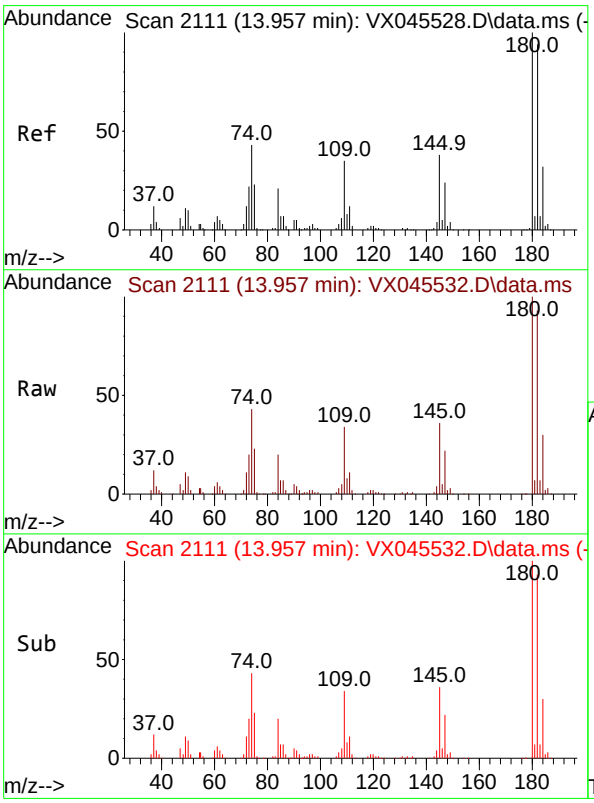
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

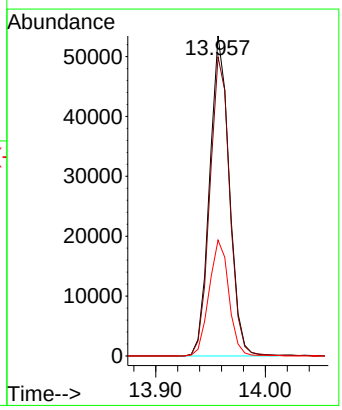
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.396 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:180 Resp: 66542

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.8
145	36.4	18.2	54.6



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 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	101	0.00
2	T	Dichlorodifluoromethane	0.748	0.784	-4.8	97	0.00
3	P	Chloromethane	0.768	0.743	3.3	96	0.00
4	C	Vinyl Chloride	0.703	0.686	2.4#	97	0.00
5	T	Bromomethane	0.333	0.313	6.0	96	0.00
6	T	Chloroethane	0.373	0.385	-3.2	98	0.00
7	T	Trichlorofluoromethane	1.048	1.056	-0.8	99	0.00
8	T	Diethyl Ether	0.352	0.347	1.4	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.608	1.0	99	0.00
10	T	Methyl Iodide	0.766	0.745	2.7	95	0.00
11	T	Tert butyl alcohol	0.123	0.121	1.6	97	0.00
12	CM	1,1-Dichloroethene	0.600	0.597	0.5#	100	0.00
13	T	Acrolein	0.169	0.161	4.7	98	0.00
14	T	Allyl chloride	1.139	1.151	-1.1	100	0.00
15	T	Acrylonitrile	0.388	0.385	0.8	96	0.00
16	T	Acetone	0.375	0.363	3.2	98	0.00
17	T	Carbon Disulfide	1.483	1.544	-4.1	101	0.00
18	T	Methyl Acetate	0.864	0.843	2.4	100	0.00
19	T	Methyl tert-butyl Ether	2.100	2.140	-1.9	102	0.00
20	T	Methylene Chloride	0.703	0.690	1.8	99	0.00
21	T	trans-1,2-Dichloroethene	0.613	0.611	0.3	99	0.00
22	T	Diisopropyl ether	2.243	2.284	-1.8	101	0.00
23	T	Vinyl Acetate	1.938	2.074	-7.0	101	0.00
24	P	1,1-Dichloroethane	1.269	1.261	0.6	101	0.00
25	T	2-Butanone	0.550	0.560	-1.8	97	0.00
26	T	2,2-Dichloropropane	0.820	0.853	-4.0	102	0.00
27	T	cis-1,2-Dichloroethene	0.747	0.733	1.9	99	0.00
28	T	Bromochloromethane	0.613	0.594	3.1	101	0.00
29	T	Tetrahydrofuran	0.356	0.356	0.0	97	0.00
30	C	Chloroform	1.306	1.295	0.8#	100	0.00
31	T	Cyclohexane	1.122	1.112	0.9	100	0.00
32	T	1,1,1-Trichloroethane	1.105	1.112	-0.6	102	0.00
33	S	1,2-Dichloroethane-d4	0.914	0.920	-0.7	107	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.355	0.349	1.7	105	0.00
36	T	1,1-Dichloropropene	0.479	0.480	-0.2	103	0.00
37	T	Ethyl Acetate	0.604	0.601	0.5	100	0.00
38	T	Carbon Tetrachloride	0.518	0.525	-1.4	102	0.00
39	T	Methylcyclohexane	0.587	0.589	-0.3	98	0.00
40	TM	Benzene	1.463	1.440	1.6	101	0.00
41	T	Methacrylonitrile	0.318	0.338	-6.3	100	0.00
42	TM	1,2-Dichloroethane	0.604	0.591	2.2	99	0.00
43	T	Isopropyl Acetate	0.915	0.943	-3.1	100	0.00
44	TM	Trichloroethene	0.348	0.331	4.9	98	0.00
45	C	1,2-Dichloropropane	0.365	0.361	1.1#	100	0.00
46	T	Dibromomethane	0.280	0.272	2.9	97	0.00
47	T	Bromodichloromethane	0.560	0.551	1.6	100	0.00
48	T	Methyl methacrylate	0.472	0.487	-3.2	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.008	11.1	92	0.00
50	S	Toluene-d8	1.238	1.242	-0.3	106	0.00
51	T	4-Methyl-2-Pentanone	0.606	0.619	-2.1	97	0.00
52	CM	Toluene	0.885	0.867	2.0#	99	0.00
53	T	t-1,3-Dichloropropene	0.467	0.502	-7.5	103	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.567	-7.8	104	0.00
55	T	1,1,2-Trichloroethane	0.353	0.346	2.0	100	0.00
56	T	Ethyl methacrylate	0.546	0.586	-7.3	102	0.00
57	T	1,3-Dichloropropane	0.614	0.613	0.2	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.276	0.287	-4.0	100	0.00
59	T	2-Hexanone	0.449	0.452	-0.7	96	0.00
60	T	Dibromochloromethane	0.385	0.392	-1.8	99	0.00
61	T	1,2-Dibromoethane	0.357	0.362	-1.4	101	0.00
62	S	4-Bromofluorobenzene	0.451	0.460	-2.0	105	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64	T	Tetrachloroethene	0.353	0.334	5.4	97	0.00
65	PM	Chlorobenzene	1.068	1.073	-0.5	100	0.00
66	T	1,1,1,2-Tetrachloroethane	0.371	0.375	-1.1	102	0.00
67	C	Ethyl Benzene	1.914	1.973	-3.1#	100	0.00
68	T	m/p-Xylenes	0.696	0.715	-2.7	100	0.00
69	T	o-Xylene	0.686	0.708	-3.2	100	0.00
70	T	Styrene	1.132	1.191	-5.2	99	0.00
71	P	Bromoform	0.277	0.292	-5.4	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	4.005	4.229	-5.6	99	0.00
74	T	N-amyl acetate	1.916	2.084	-8.8	100	0.00
75	P	1,1,2,2-Tetrachloroethane	1.407	1.368	2.8	97	0.00
76	T	1,2,3-Trichloropropane	1.220	1.213	0.6	97	0.00
77	T	Bromobenzene	0.925	0.935	-1.1	98	0.00
78	T	n-propylbenzene	4.613	4.979	-7.9	100	0.00
79	T	2-Chlorotoluene	2.949	3.012	-2.1	100	0.00
80	T	1,3,5-Trimethylbenzene	3.312	3.546	-7.1	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.377	-5.0	100	0.00
82	T	4-Chlorotoluene	3.288	3.447	-4.8	98	0.00
83	T	tert-Butylbenzene	3.279	3.494	-6.6	100	0.00
84	T	1,2,4-Trimethylbenzene	3.324	3.523	-6.0	98	0.00
85	T	sec-Butylbenzene	4.027	4.342	-7.8	99	0.00
86	T	p-Isopropyltoluene	3.320	3.608	-8.7	101	0.00
87	T	1,3-Dichlorobenzene	1.684	1.702	-1.1	98	0.00
88	T	1,4-Dichlorobenzene	1.708	1.678	1.8	97	0.00
89	T	n-Butylbenzene	2.879	3.178	-10.4	99	0.00
90	T	Hexachloroethane	0.571	0.617	-8.1	102	0.00
91	T	1,2-Dichlorobenzene	1.675	1.673	0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.294	0.313	-6.5	98	0.00
93	T	1,2,4-Trichlorobenzene	0.932	0.968	-3.9	101	0.00
94	T	Hexachlorobutadiene	0.402	0.401	0.2	98	0.00
95	T	Naphthalene	3.469	3.661	-5.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 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	0.976	0.984	-0.8	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 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	101	0.00
2	T	Dichlorodifluoromethane	50.000	52.454	-4.9	97	0.00
3	P	Chloromethane	50.000	48.349	3.3	96	0.00
4	C	Vinyl Chloride	50.000	48.816	2.4#	97	0.00
5	T	Bromomethane	50.000	46.991	6.0	96	0.00
6	T	Chloroethane	50.000	51.586	-3.2	98	0.00
7	T	Trichlorofluoromethane	50.000	50.354	-0.7	99	0.00
8	T	Diethyl Ether	50.000	49.228	1.5	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.528	0.9	99	0.00
10	T	Methyl Iodide	50.000	48.626	2.7	95	0.00
11	T	Tert butyl alcohol	250.000	246.612	1.4	97	0.00
12	CM	1,1-Dichloroethene	50.000	49.726	0.5#	100	0.00
13	T	Acrolein	250.000	238.141	4.7	98	0.00
14	T	Allyl chloride	50.000	50.541	-1.1	100	0.00
15	T	Acrylonitrile	250.000	248.351	0.7	96	0.00
16	T	Acetone	250.000	241.904	3.2	98	0.00
17	T	Carbon Disulfide	50.000	52.057	-4.1	101	0.00
18	T	Methyl Acetate	50.000	48.742	2.5	100	0.00
19	T	Methyl tert-butyl Ether	50.000	50.950	-1.9	102	0.00
20	T	Methylene Chloride	50.000	49.055	1.9	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.800	0.4	99	0.00
22	T	Diisopropyl ether	50.000	50.895	-1.8	101	0.00
23	T	Vinyl Acetate	250.000	267.449	-7.0	101	0.00
24	P	1,1-Dichloroethane	50.000	49.677	0.6	101	0.00
25	T	2-Butanone	250.000	254.882	-2.0	97	0.00
26	T	2,2-Dichloropropane	50.000	52.020	-4.0	102	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.049	1.9	99	0.00
28	T	Bromochloromethane	50.000	48.403	3.2	101	0.00
29	T	Tetrahydrofuran	250.000	249.473	0.2	97	0.00
30	C	Chloroform	50.000	49.614	0.8#	100	0.00
31	T	Cyclohexane	50.000	49.583	0.8	100	0.00
32	T	1,1,1-Trichloroethane	50.000	50.330	-0.7	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.329	-0.7	107	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	49.256	1.5	105	0.00
36	T	1,1-Dichloropropene	50.000	50.088	-0.2	103	0.00
37	T	Ethyl Acetate	50.000	49.787	0.4	100	0.00
38	T	Carbon Tetrachloride	50.000	50.667	-1.3	102	0.00
39	T	Methylcyclohexane	50.000	50.124	-0.2	98	0.00
40	TM	Benzene	50.000	49.212	1.6	101	0.00
41	T	Methacrylonitrile	50.000	53.098	-6.2	100	0.00
42	TM	1,2-Dichloroethane	50.000	48.875	2.3	99	0.00
43	T	Isopropyl Acetate	50.000	51.539	-3.1	100	0.00
44	TM	Trichloroethene	50.000	47.643	4.7	98	0.00
45	C	1,2-Dichloropropane	50.000	49.521	1.0#	100	0.00
46	T	Dibromomethane	50.000	48.542	2.9	97	0.00
47	T	Bromodichloromethane	50.000	49.273	1.5	100	0.00
48	T	Methyl methacrylate	50.000	51.507	-3.0	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 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	955.327	4.5	92	0.00
50	S	Toluene-d8	50.000	50.160	-0.3	106	0.00
51	T	4-Methyl-2-Pentanone	250.000	254.994	-2.0	97	0.00
52	CM	Toluene	50.000	48.994	2.0#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	46.783	6.4	103	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.878	-7.8	104	0.00
55	T	1,1,2-Trichloroethane	50.000	49.007	2.0	100	0.00
56	T	Ethyl methacrylate	50.000	53.705	-7.4	102	0.00
57	T	1,3-Dichloropropane	50.000	49.869	0.3	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	260.201	-4.1	100	0.00
59	T	2-Hexanone	250.000	251.710	-0.7	96	0.00
60	T	Dibromochloromethane	50.000	50.983	-2.0	99	0.00
61	T	1,2-Dibromoethane	50.000	50.693	-1.4	101	0.00
62	S	4-Bromofluorobenzene	50.000	50.959	-1.9	105	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64	T	Tetrachloroethene	50.000	47.239	5.5	97	0.00
65	PM	Chlorobenzene	50.000	50.207	-0.4	100	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.495	-1.0	102	0.00
67	C	Ethyl Benzene	50.000	51.558	-3.1#	100	0.00
68	T	m/p-Xylenes	100.000	102.728	-2.7	100	0.00
69	T	o-Xylene	50.000	51.650	-3.3	100	0.00
70	T	Styrene	50.000	52.624	-5.2	99	0.00
71	P	Bromoform	50.000	52.694	-5.4	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	52.794	-5.6	99	0.00
74	T	N-amyl acetate	50.000	54.387	-8.8	100	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.608	2.8	97	0.00
76	T	1,2,3-Trichloropropane	50.000	49.741	0.5	97	0.00
77	T	Bromobenzene	50.000	50.525	-1.0	98	0.00
78	T	n-propylbenzene	50.000	53.967	-7.9	100	0.00
79	T	2-Chlorotoluene	50.000	51.057	-2.1	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.534	-7.1	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.482	-5.0	100	0.00
82	T	4-Chlorotoluene	50.000	52.422	-4.8	98	0.00
83	T	tert-Butylbenzene	50.000	53.274	-6.5	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.990	-6.0	98	0.00
85	T	sec-Butylbenzene	50.000	53.903	-7.8	99	0.00
86	T	p-Isopropyltoluene	50.000	54.337	-8.7	101	0.00
87	T	1,3-Dichlorobenzene	50.000	50.521	-1.0	98	0.00
88	T	1,4-Dichlorobenzene	50.000	49.117	1.8	97	0.00
89	T	n-Butylbenzene	50.000	55.189	-10.4	99	0.00
90	T	Hexachloroethane	50.000	54.066	-8.1	102	0.00
91	T	1,2-Dichlorobenzene	50.000	49.938	0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.226	-6.5	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.935	-3.9	101	0.00
94	T	Hexachlorobutadiene	50.000	49.961	0.1	98	0.00
95	T	Naphthalene	50.000	52.765	-5.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.396	-0.8	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG No.: Q1790

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

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

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.4
1,2-Dichloroethane-d4	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.5
Dibromofluoromethane	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7
Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.1
4-Bromofluorobenzene	0.447	0.410	0.378	0.439	0.424	0.407	0.417	6

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025
Response Via : Initial Calibration

Calibration Files
5 =VY021656.D 10 =VY021657.D 20 =VY021658.D 50 =VY021659.D 100 =VY021660.D 150 =VY021661.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.38
3)	P	Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.61
4)	C	Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.48#
5)	T	Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.90
6)	T	Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.46
7)	T	Trichlorofluor...	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.48
8)	T	Diethyl Ether	0.332	0.309	0.284	0.275	0.256	0.266	0.287	9.95
9)	T	1,1,2-Trichlor...	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.39
10)	T	Methyl Iodide	0.567	0.581	0.610	0.655	0.631	0.620	0.611	5.34
11)	T	Tert butyl alc...	0.043	0.038	0.034	0.034	0.029	0.032	0.035	13.48
12)	CM	1,1-Dichloroet...	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.17#
13)	T	Acrolein	0.069	0.070	0.064	0.063	0.059	0.061	0.064	7.03
14)	T	Allyl chloride	0.897	0.866	0.803	0.837	0.814	0.801	0.836	4.60
15)	T	Acrylonitrile	0.132	0.128	0.116	0.121	0.109	0.113	0.120	7.45
16)	T	Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.31
17)	T	Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.40
18)	T	Methyl Acetate	0.329	0.286	0.269	0.265	0.243	0.257	0.275	10.97
19)	T	Methyl tert-bu...	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.90
20)	T	Methylene Chlo...	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.82
21)	T	trans-1,2-Dich...	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.32
22)	T	Diisopropyl ether	1.795	1.771	1.732	1.800	1.725	1.701	1.754	2.32
23)	T	Vinyl Acetate	1.026	1.036	1.000	1.066	1.004	1.025	1.026	2.33
24)	P	1,1-Dichloroet...	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.26
25)	T	2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.91
26)	T	2,2-Dichloropr...	1.063	0.962	0.896	0.920	0.886	0.870	0.933	7.63
27)	T	cis-1,2-Dichlo...	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.34
28)	T	Bromochloromet...	0.513	0.470	0.424	0.426	0.420	0.402	0.442	9.32
29)	T	Tetrahydrofuran	0.108	0.111	0.096	0.105	0.093	0.097	0.102	7.06
30)	C	Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.85#
31)	T	Cyclohexane	1.170	1.032	0.912	0.918	0.886	0.818	0.956	13.12
32)	T	1,1,1-Trichlor...	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.31
33)	S	1,2-Dichloroet...	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.53
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7.00
36)	T	1,1-Dichloropr...	0.532	0.509	0.487	0.502	0.484	0.450	0.494	5.59
37)	T	Ethyl Acetate	0.270	0.256	0.217	0.236	0.211	0.210	0.233	10.82
38)	T	Carbon Tetrach...	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.89
39)	T	Methylcyclohexane	0.593	0.599	0.569	0.619	0.612	0.550	0.590	4.50
40)	TM	Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.58
41)	T	Methacrylonitrile	0.134	0.132	0.111	0.137	0.114	0.116	0.124	9.32
42)	TM	1,2-Dichloroet...	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.15
43)	T	Isopropyl Acetate	0.471	0.474	0.408	0.451	0.420	0.426	0.442	6.29
44)	TM	Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.37
45)	C	1,2-Dichloropr...	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.15#
46)	T	Dibromomethane	0.225	0.220	0.192	0.198	0.191	0.185	0.202	8.23
47)	T	Bromodichlorom...	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6.02
48)	T	Methyl methacr...	0.212	0.205	0.179	0.210	0.206	0.203	0.203	5.87
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	3.07
50)	S	Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.12
51)	T	4-Methyl-2-Pen...	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.93
52)	CM	Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3.01#
53)	T	t-1,3-Dichloro...	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.47
54)	T	cis-1,3-Dichlo...	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.62
55)	T	1,1,2-Trichlor...	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.92
56)	T	Ethyl methacry...	0.287	0.309	0.314	0.366	0.356	0.359	0.332	9.82

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y032725S.M

57)	T	1,3-Dichloropr...	0.472	0.470	0.440	0.460	0.432	0.419	0.449	4.84
58)	T	2-Chloroethyl ...	0.142	0.153	0.151	0.180	0.173	0.172	0.162	9.22
59)	T	2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.25
60)	T	Dibromochlorom...	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.10
61)	T	1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.32
62)	S	4-Bromofluorob...	0.447	0.410	0.378	0.439	0.424	0.407	0.417	5.97
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.28
65)	PM	Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.26
66)	T	1,1,1,2-Tetrac...	0.448	0.409	0.390	0.412	0.400	0.382	0.407	5.67
67)	C	Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.93#
68)	T	m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.21
69)	T	o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.40
70)	T	Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.82
71)	P	Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.44
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.628	3.701	3.582	3.825	3.843	3.702	3.714	2.80
74)	T	N-amyl acetate	0.812	0.864	0.800	0.917	0.898	0.938	0.872	6.47
75)	P	1,1,2,2-Tetrac...	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.14
76)	T	1,2,3-Trichlor...	0.506	0.560	0.487	0.498	0.453	0.470	0.496	7.46
77)	T	Bromobenzene	0.946	0.909	0.852	0.889	0.886	0.867	0.892	3.71
78)	T	n-propylbenzene	4.347	4.457	4.349	4.617	4.612	4.408	4.465	2.75
79)	T	2-Chlorotoluene	2.616	2.634	2.535	2.645	2.603	2.526	2.593	1.96
80)	T	1,3,5-Trimethy...	2.917	3.001	2.982	3.147	3.141	3.023	3.035	3.01
81)	T	trans-1,4-Dich...	0.208	0.227	0.199	0.222	0.212	0.224	0.215	5.06
82)	T	4-Chlorotoluene	2.768	2.746	2.649	2.757	2.695	2.606	2.704	2.42
83)	T	tert-Butylbenzene	2.596	2.674	2.617	2.787	2.832	2.715	2.703	3.46
84)	T	1,2,4-Trimethy...	2.783	2.965	2.960	3.135	3.116	3.040	3.000	4.30
85)	T	sec-Butylbenzene	3.838	3.999	3.860	4.095	4.054	3.858	3.951	2.85
86)	T	p-Isopropyltol...	3.001	3.194	3.195	3.430	3.445	3.328	3.265	5.19
87)	T	1,3-Dichlorobe...	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.21
88)	T	1,4-Dichlorobe...	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.16
89)	T	n-Butylbenzene	2.890	2.933	2.932	3.173	3.166	3.025	3.020	4.11
90)	T	Hexachloroethane	0.798	0.720	0.677	0.707	0.709	0.683	0.716	6.06
91)	T	1,2-Dichlorobe...	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.91
92)	T	1,2-Dibromo-3-...	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.58
93)	T	1,2,4-Trichlor...	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.65
94)	T	Hexachlorobuta...	0.568	0.521	0.490	0.525	0.512	0.492	0.518	5.51
95)	T	Naphthalene	1.153	1.208	1.258	1.508	1.505	1.616	1.375	13.94
96)	T	1,2,3-Trichlor...	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.06

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	217101	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	350486	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	301382	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145682	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	13289	5.650	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.300%#			
35) Dibromofluoromethane	7.634	113	12519	5.506	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.020%#			
50) Toluene-d8	10.109	98	44774	5.177	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.360%#			
62) 4-Bromofluorobenzene	12.408	95	15657	5.352	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.700%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	13065	5.806	ug/l		98
3) Chloromethane	2.074	50	19017	6.010	ug/l		90
4) Vinyl Chloride	2.202	62	21214	5.928	ug/l		93
5) Bromomethane	2.598	94	15395	6.308	ug/l		99
6) Chloroethane	2.733	64	13977	5.969	ug/l		99
7) Trichlorofluoromethane	3.056	101	26311	5.740	ug/l		98
8) Diethyl Ether	3.458	74	7213	5.786	ug/l		98
9) 1,1,2-Trichlorotrifluo...	3.824	101	14493	5.995	ug/l		98
10) Methyl Iodide	4.007	142	12311	4.642	ug/l		98
11) Tert butyl alcohol	4.860	59	4636	30.344	ug/l	#	85
12) 1,1-Dichloroethene	3.793	96	12778	5.611	ug/l		92
13) Acrolein	3.653	56	7499	26.881	ug/l		93
14) Allyl chloride	4.385	41	19469	5.362	ug/l		97
15) Acrylonitrile	5.061	53	14337	27.546	ug/l	#	88
16) Acetone	3.873	43	15736	32.687	ug/l		100
17) Carbon Disulfide	4.110	76	42467	5.662	ug/l		99
18) Methyl Acetate	4.391	43	7141	5.985	ug/l		97
19) Methyl tert-butyl Ether	5.110	73	29969	5.286	ug/l		100
20) Methylene Chloride	4.616	84	18885	4.497	ug/l		96
21) trans-1,2-Dichloroethene	5.116	96	13763	5.489	ug/l		95
22) Diisopropyl ether	6.019	45	38980	5.118	ug/l		95
23) Vinyl Acetate	5.964	43	111357	24.992	ug/l		98
24) 1,1-Dichloroethane	5.915	63	25578	5.616	ug/l	#	94
25) 2-Butanone	6.896	43	19664	28.598	ug/l		96
26) 2,2-Dichloropropane	6.884	77	23073	5.695	ug/l		100
27) cis-1,2-Dichloroethene	6.896	96	15197	5.390	ug/l		99
28) Bromochloromethane	7.250	49	11139	5.799	ug/l		99
29) Tetrahydrofuran	7.262	42	11696	26.430	ug/l		99
30) Chloroform	7.421	83	26819	5.662	ug/l		95
31) Cyclohexane	7.707	56	25394	6.117	ug/l	#	88
32) 1,1,1-Trichloroethane	7.616	97	25069	5.856	ug/l		97
36) 1,1-Dichloropropene	7.835	75	18659	5.388	ug/l		99
37) Ethyl Acetate	6.988	43	9459	5.788	ug/l	#	95
38) Carbon Tetrachloride	7.817	117	22310	5.625	ug/l		95
39) Methylcyclohexane	9.109	83	20781	5.023	ug/l		97
40) Benzene	8.079	78	56287	5.427	ug/l		92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	4688m	5.402	ug/l		
42) 1,2-Dichloroethane	8.158	62	16381	5.603	ug/l		98
43) Isopropyl Acetate	8.195	43	16504	5.329	ug/l		97
44) Trichloroethene	8.866	130	14453	5.470	ug/l		98
45) 1,2-Dichloropropane	9.146	63	13429	5.470	ug/l		99
46) Dibromomethane	9.231	93	7882	5.571	ug/l		97
47) Bromodichloromethane	9.420	83	20008	5.458	ug/l		92
48) Methyl methacrylate	9.219	41	7427	5.225	ug/l		96
49) 1,4-Dioxane	9.231	88	1573	103.789	ug/l		91
51) 4-Methyl-2-Pentanone	9.999	43	40601	25.191	ug/l		97
52) Toluene	10.176	92	32954	5.093	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	15986	4.909	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	19395	5.049	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	9802	5.384	ug/l		94
56) Ethyl methacrylate	10.438	69	10060	4.327	ug/l		93
57) 1,3-Dichloropropane	10.719	76	16534	5.258	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	24903	21.959	ug/l		98
59) 2-Hexanone	10.762	43	26991	25.145	ug/l		92
60) Dibromochloromethane	10.914	129	13002	5.231	ug/l		99
61) 1,2-Dibromoethane	11.018	107	9345	5.472	ug/l		100
64) Tetrachloroethene	10.652	164	16085	5.860	ug/l		93
65) Chlorobenzene	11.444	112	37505	5.429	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	13496	5.506	ug/l		97
67) Ethyl Benzene	11.524	91	58750	4.959	ug/l		98
68) m/p-Xylenes	11.633	106	43785	9.652	ug/l		97
69) o-Xylene	11.956	106	20041	4.786	ug/l		98
70) Styrene	11.975	104	32075	4.594	ug/l		99
71) Bromoform	12.133	173	7253	5.187	ug/l	#	98
73) Isopropylbenzene	12.255	105	52860	4.885	ug/l		99
74) N-amyl acetate	12.072	43	11835	4.660	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	11133	5.723	ug/l		95
76) 1,2,3-Trichloropropane	12.554	75	7373m	5.106	ug/l		
77) Bromobenzene	12.536	156	13783	5.305	ug/l		97
78) n-propylbenzene	12.597	91	63324	4.868	ug/l		100
79) 2-Chlorotoluene	12.682	91	38107	5.044	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	42499	4.806	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	3023	4.823	ug/l		88
82) 4-Chlorotoluene	12.779	91	40326	5.119	ug/l		100
83) tert-Butylbenzene	12.999	119	37817	4.801	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	40547	4.639	ug/l		99
85) sec-Butylbenzene	13.176	105	55918	4.858	ug/l		100
86) p-Isopropyltoluene	13.292	119	43714	4.595	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	27604	5.393	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	27332	5.405	ug/l		94
89) n-Butylbenzene	13.621	91	42102	4.785	ug/l		96
90) Hexachloroethane	13.883	117	11619	5.573	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	23277	5.224	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1634	5.419	ug/l		91
93) 1,2,4-Trichlorobenzene	14.925	180	11228	4.647	ug/l		97
94) Hexachlorobutadiene	15.029	225	8276	5.484	ug/l		96
95) Naphthalene	15.151	128	16796	4.194	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	9518	4.619	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
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 :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

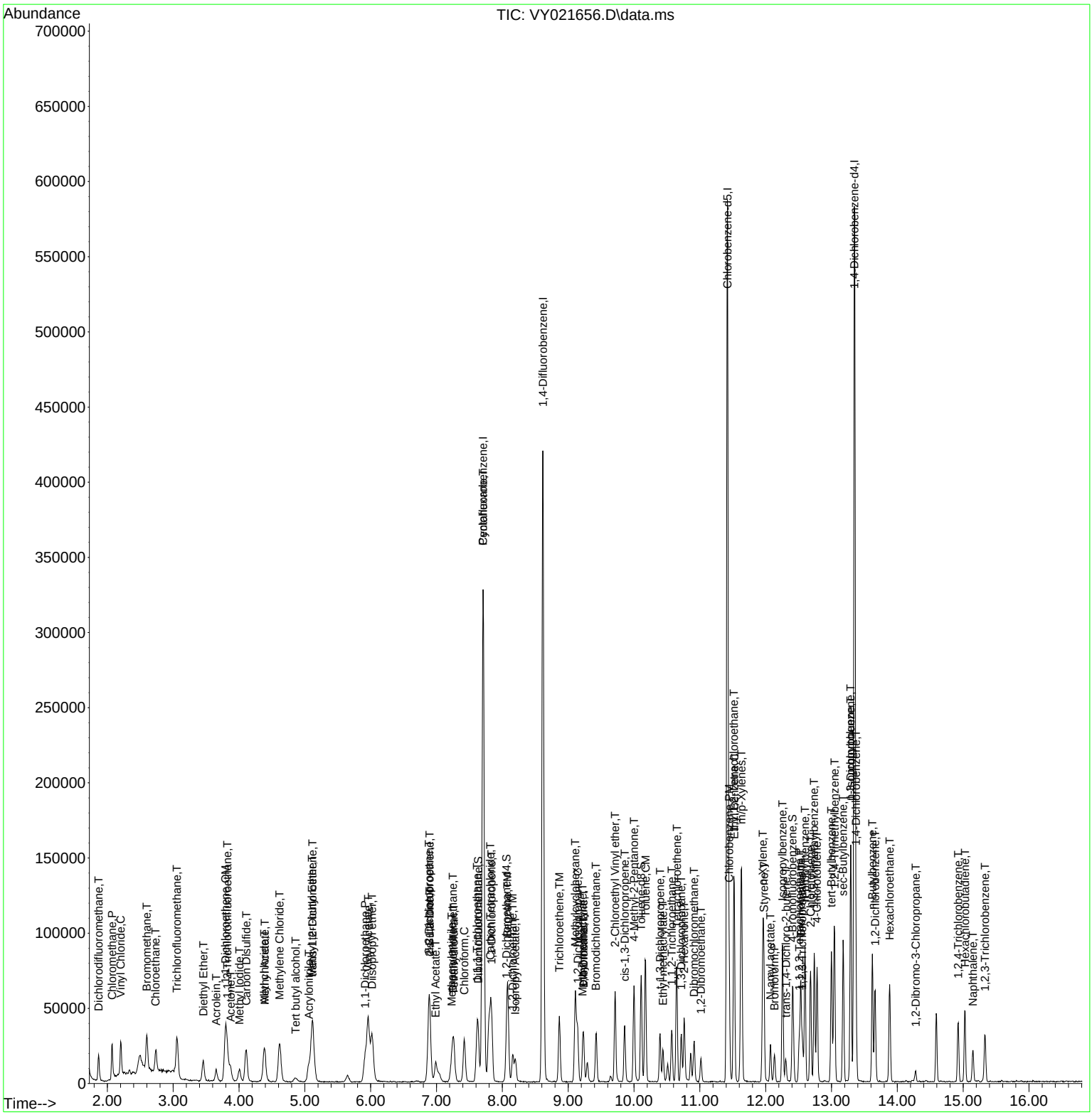
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021656.D
Acq On : 27 Mar 2025 10:08
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

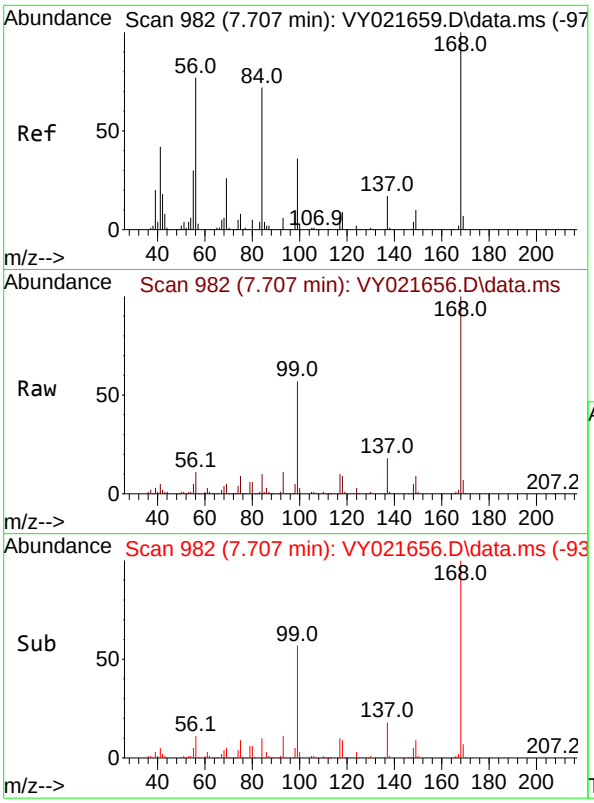
Quant Time: Mar 28 02:13:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

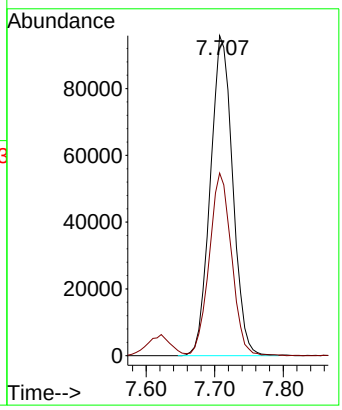




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:168 Resp: 21710

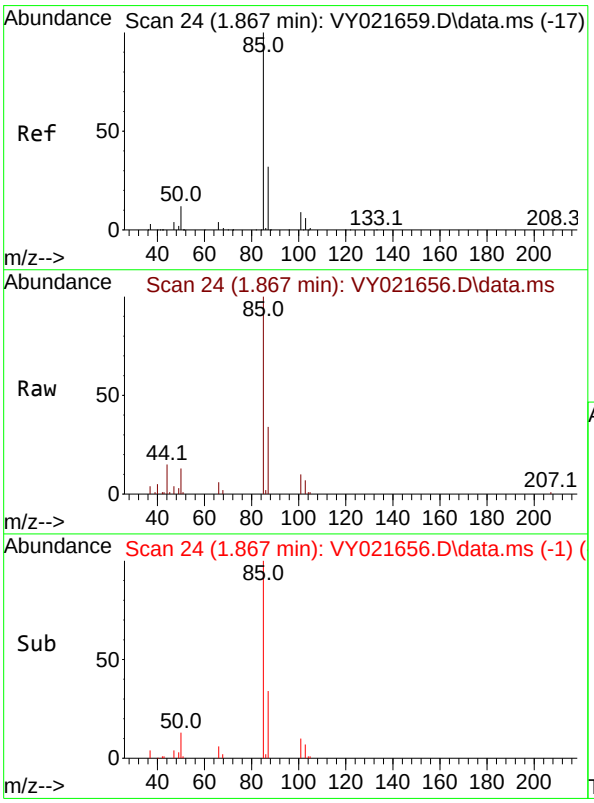
Ion	Ratio	Lower	Upper
168	100		
99	56.8	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

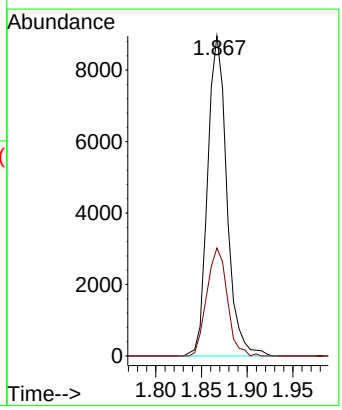
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

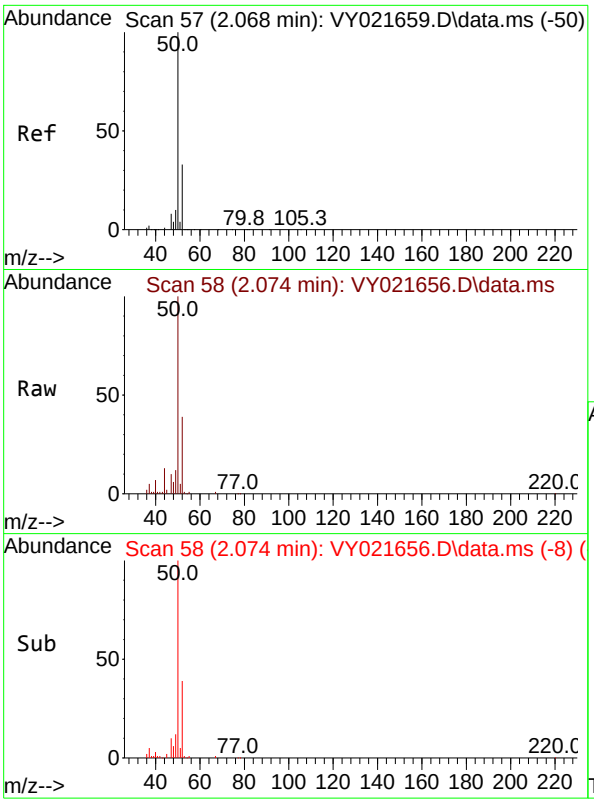


#2
Dichlorodifluoromethane
Concen: 5.806 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 85 Resp: 13065

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.2	48.6

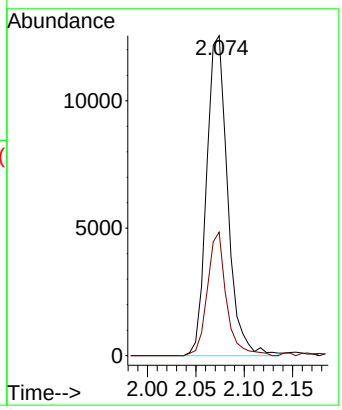




#3
Chloromethane
Concen: 6.010 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 50 Resp: 1901

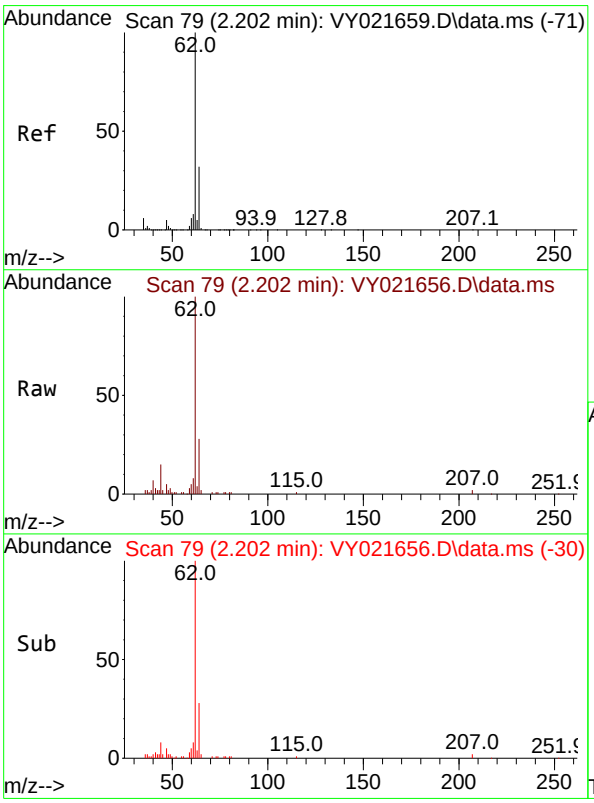
Ion	Ratio	Lower	Upper
50	100		
52	38.6	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

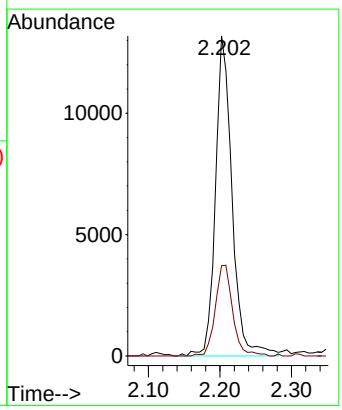
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

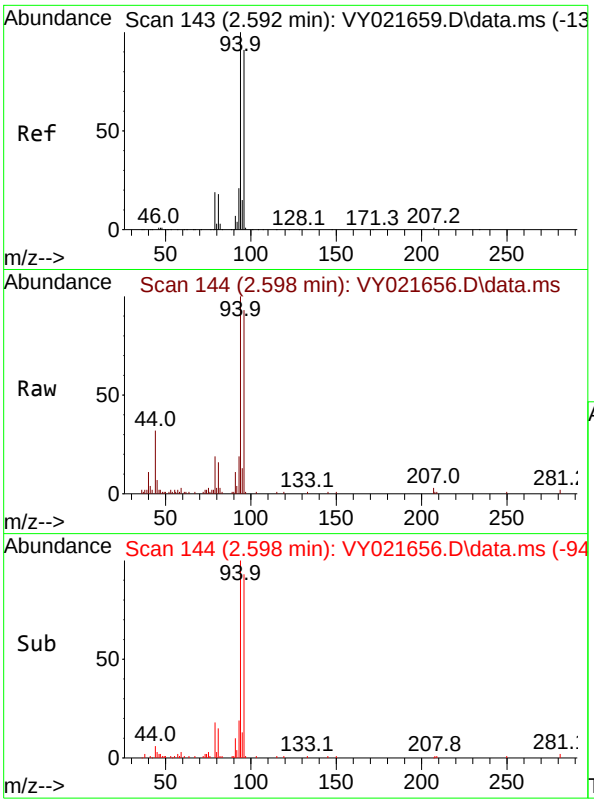


#4
Vinyl Chloride
Concen: 5.928 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 62 Resp: 21214

Ion	Ratio	Lower	Upper
62	100		
64	28.2	25.5	38.3





#5
Bromomethane
Concen: 6.308 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

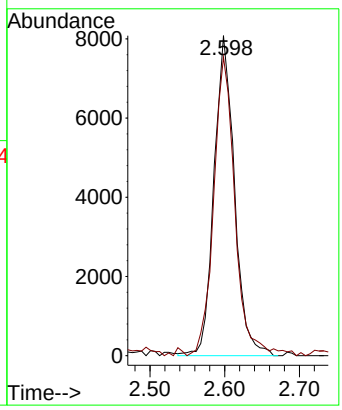
Tgt Ion: 94 Resp: 1539

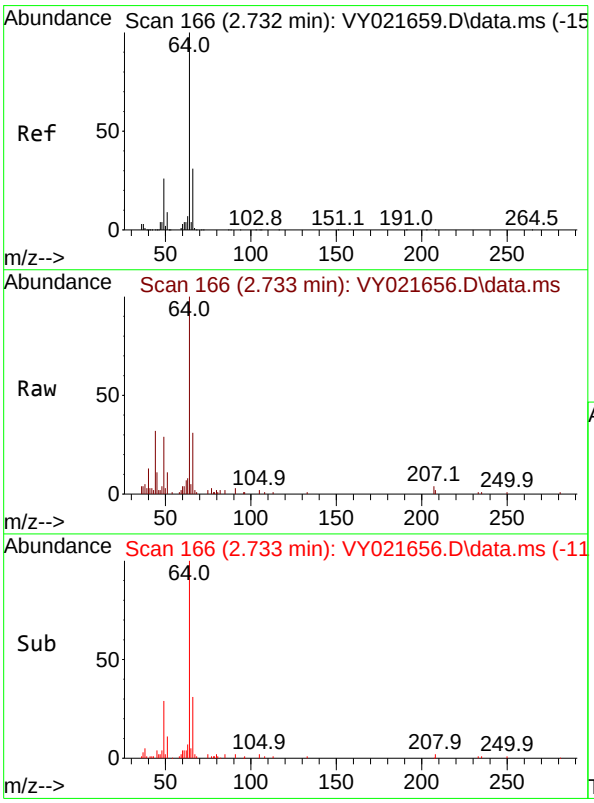
Ion	Ratio	Lower	Upper
94	100		
96	91.8	72.8	109.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

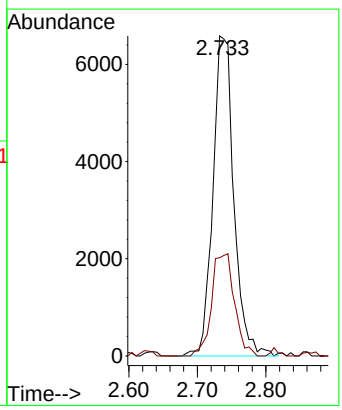


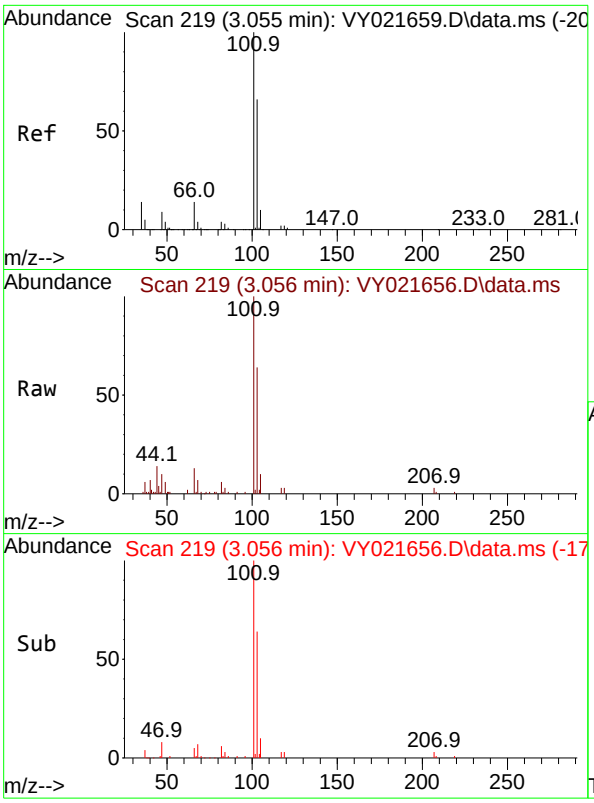


#6
Chloroethane
Concen: 5.969 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 64 Resp: 13977

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.9	37.3

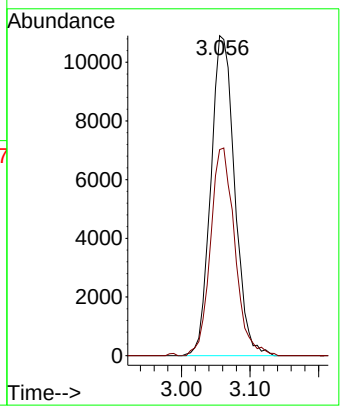




#7
Trichlorofluoromethane
Concen: 5.740 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:101 Resp: 2631

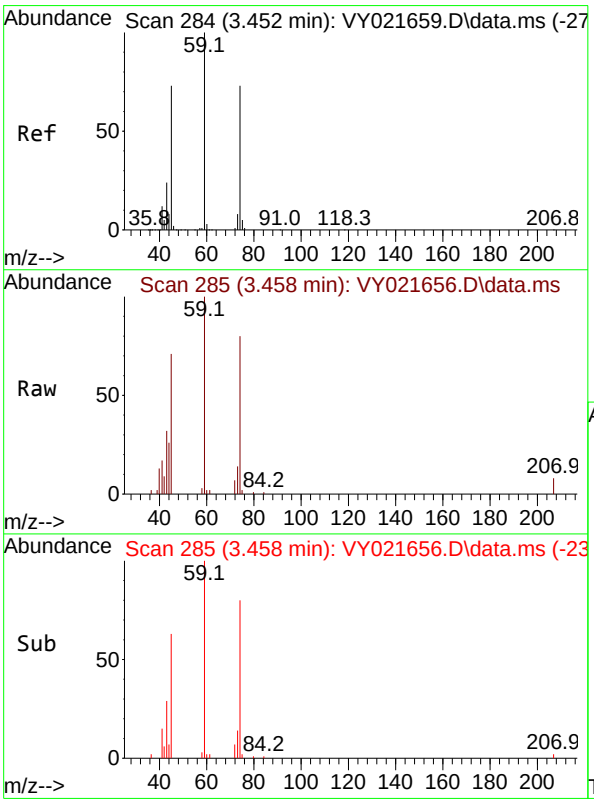
Ion	Ratio	Lower	Upper
101	100		
103	64.4	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

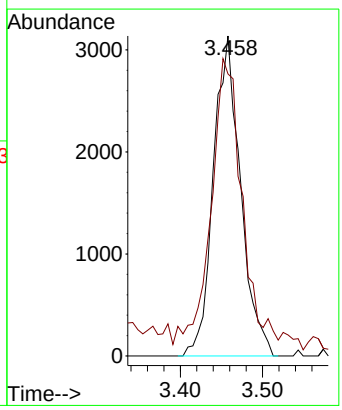
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

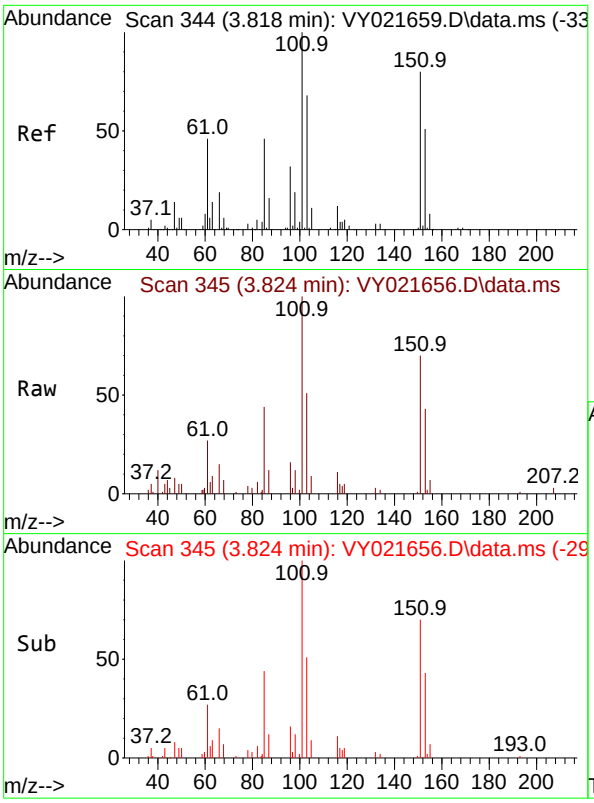


#8
Diethyl Ether
Concen: 5.786 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 74 Resp: 7213

Ion	Ratio	Lower	Upper
74	100		
45	99.4	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.995 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

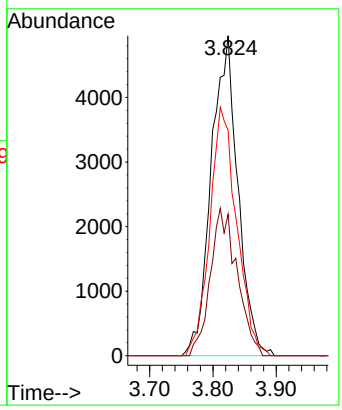
Tgt Ion:101 Resp: 1449

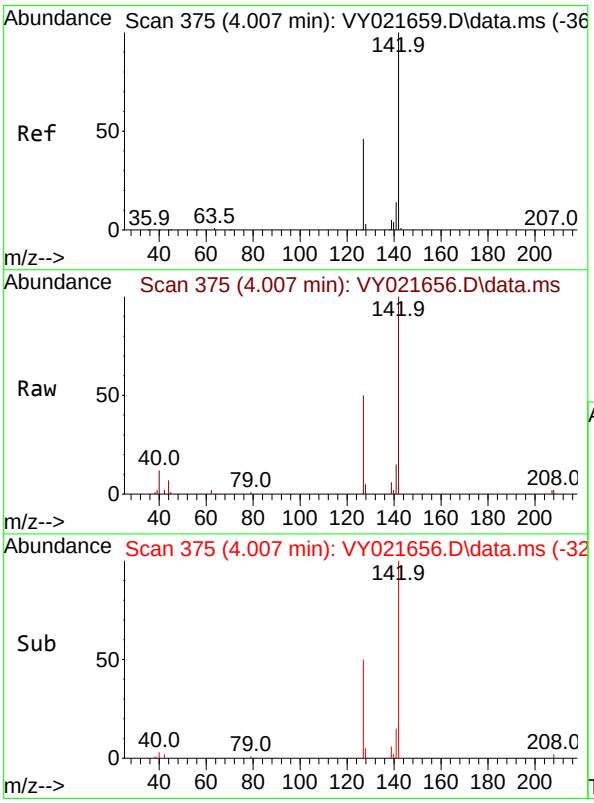
Ion	Ratio	Lower	Upper
101	100		
85	46.3	36.3	54.5
151	78.3	61.3	91.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

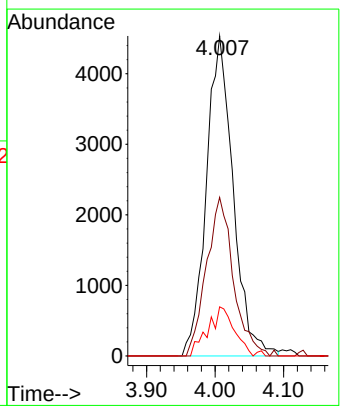


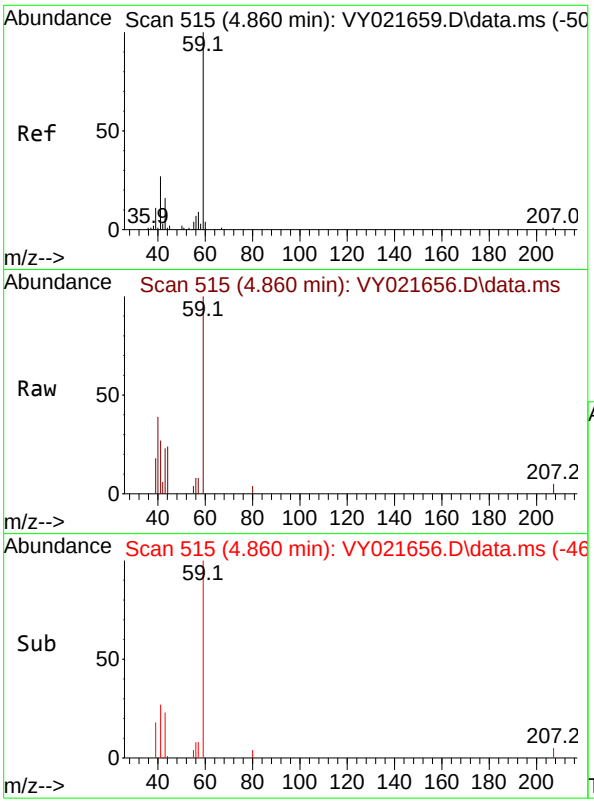


#10
Methyl Iodide
Concen: 4.642 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:142 Resp: 12311

Ion	Ratio	Lower	Upper
142	100		
127	50.2	38.7	58.1
141	15.0	11.5	17.3

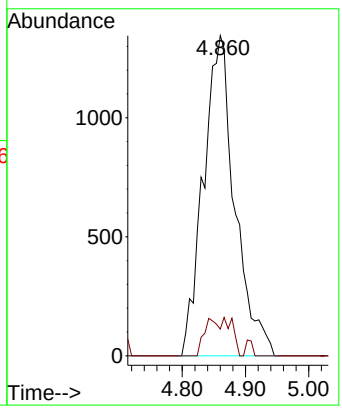




#11
Tert butyl alcohol
Concen: 30.344 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 59 Resp: 463

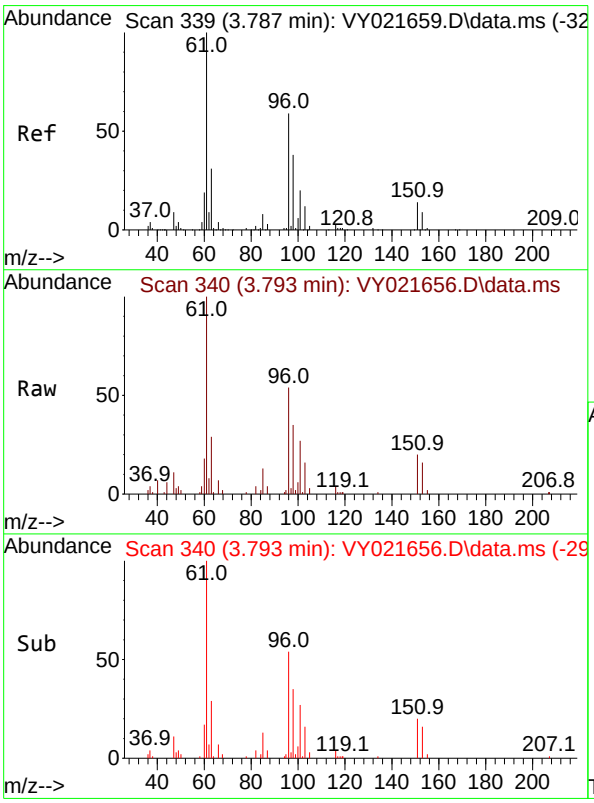
Ion	Ratio	Lower	Upper
59	100		
57	5.7	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

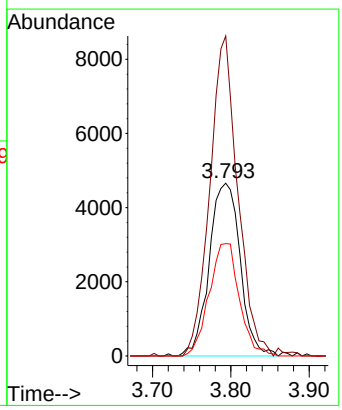
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

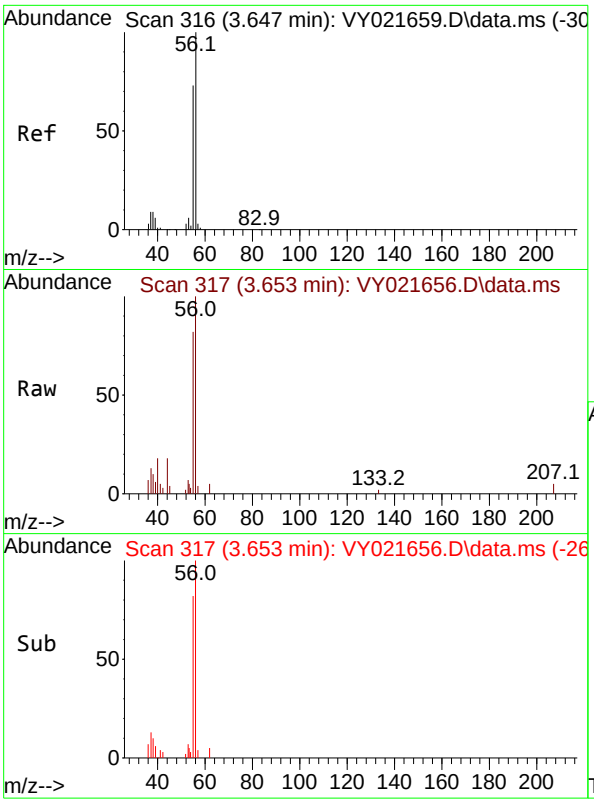


#12
1,1-Dichloroethene
Concen: 5.611 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 96 Resp: 12778

Ion	Ratio	Lower	Upper
96	100		
61	185.1	136.6	204.8
98	65.0	52.3	78.5

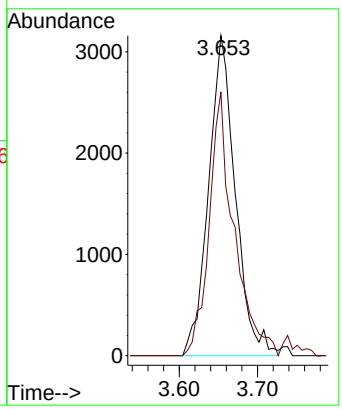




#13
Acrolein
Concen: 26.881 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 56 Resp: 749

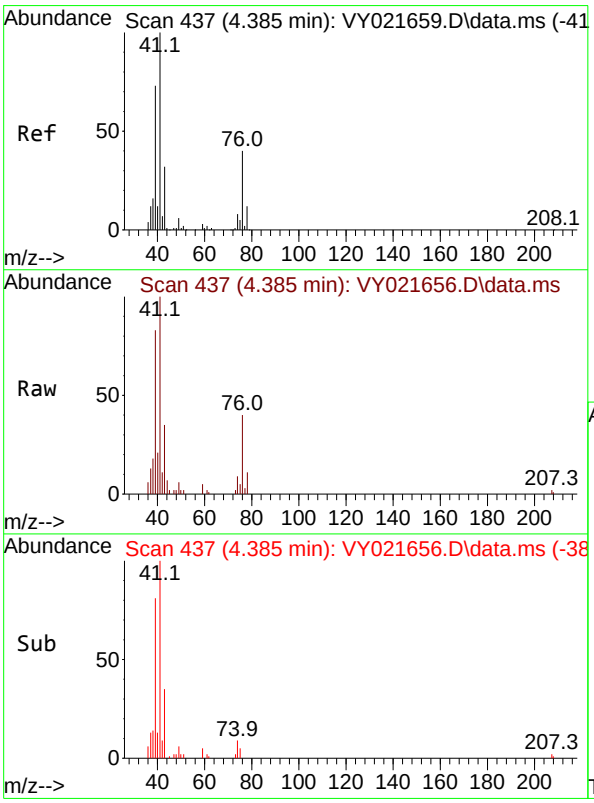
Ion	Ratio	Lower	Upper
56	100		
55	76.7	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

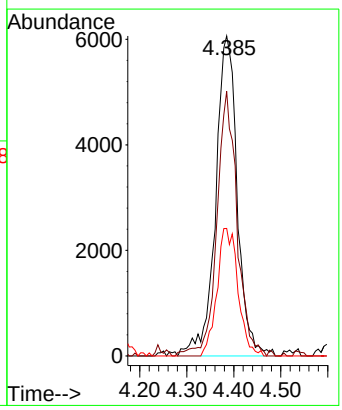
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

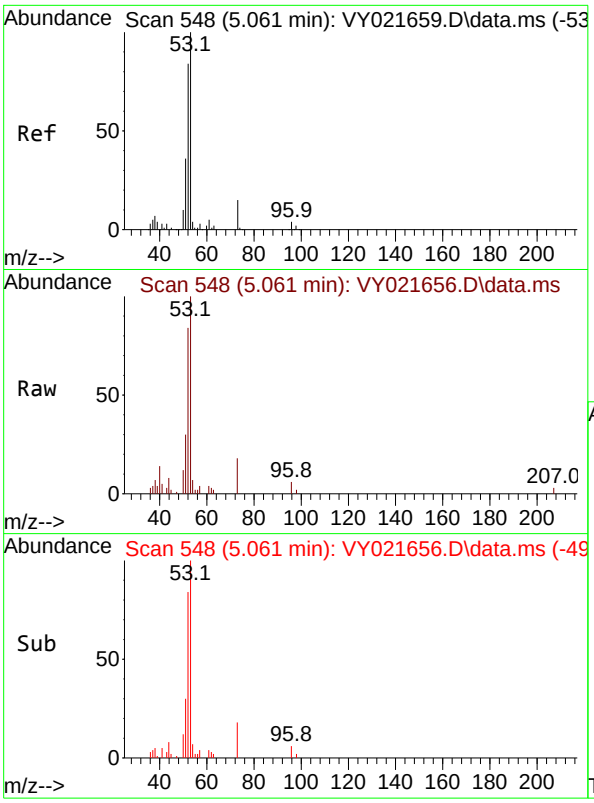


#14
Allyl chloride
Concen: 5.362 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 41 Resp: 19469

Ion	Ratio	Lower	Upper
41	100		
39	76.8	58.6	88.0
76	38.6	30.3	45.5

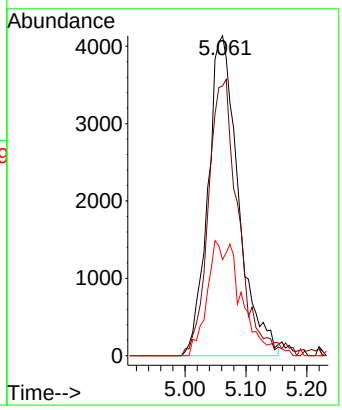




#15
Acrylonitrile
Concen: 27.546 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 53 Resp: 1433

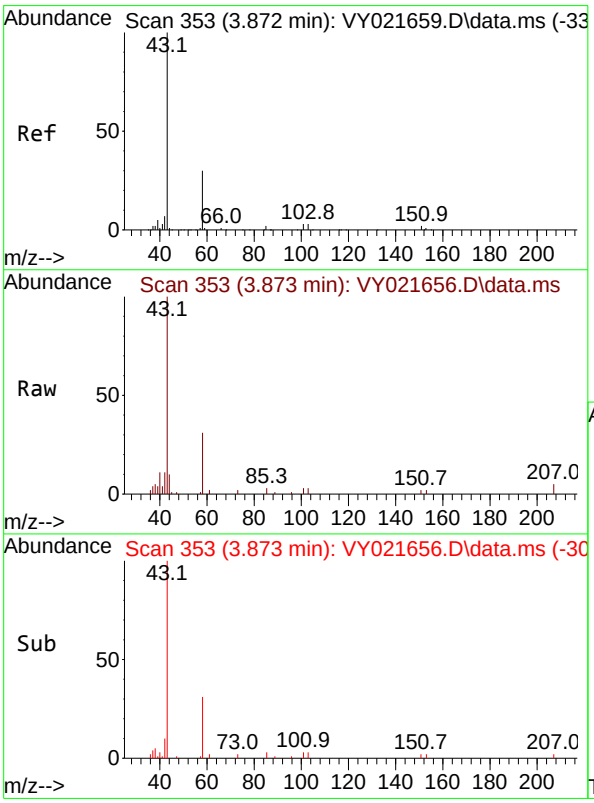
Ion	Ratio	Lower	Upper
53	100		
52	84.3	64.9	97.3
51	18.9	30.2	45.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

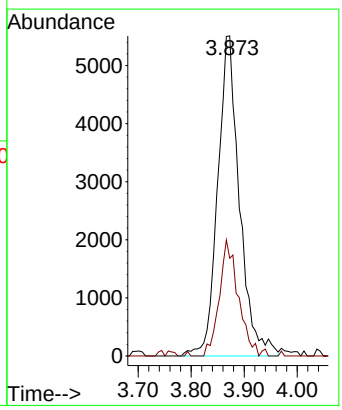
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

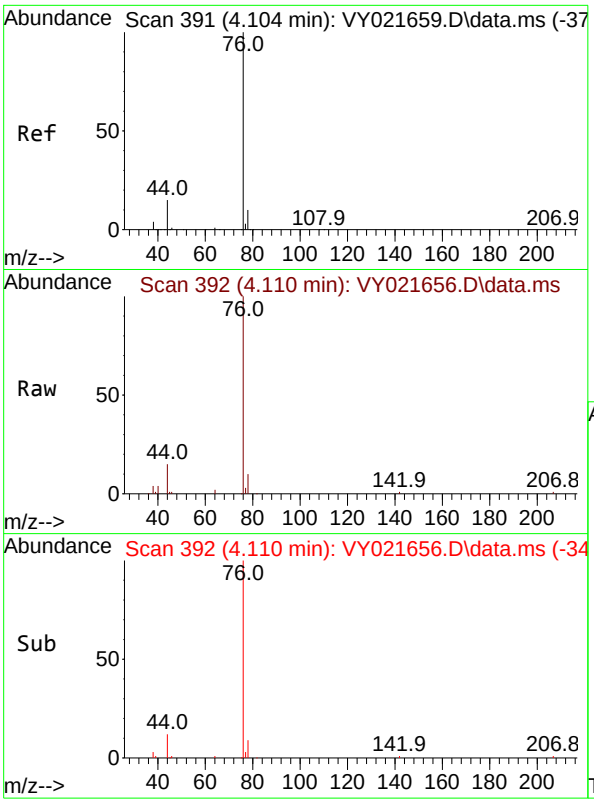


#16
Acetone
Concen: 32.687 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 15736

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4

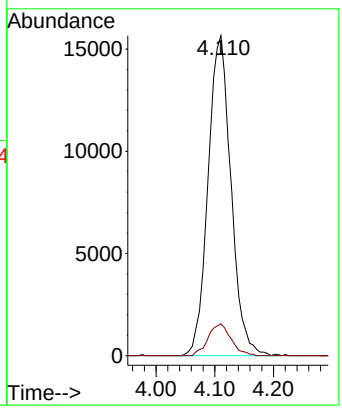




#17
Carbon Disulfide
Concen: 5.662 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 76 Resp: 4246

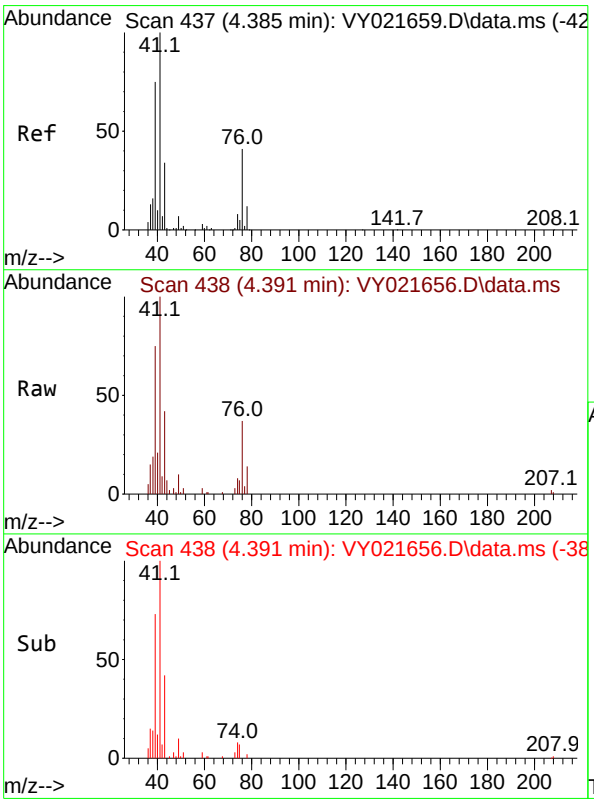
Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

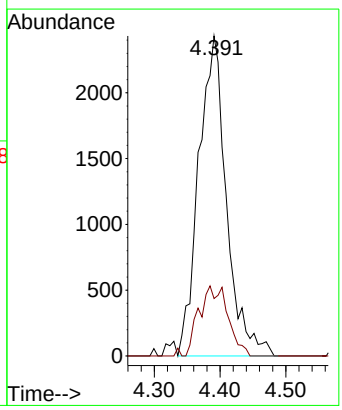
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

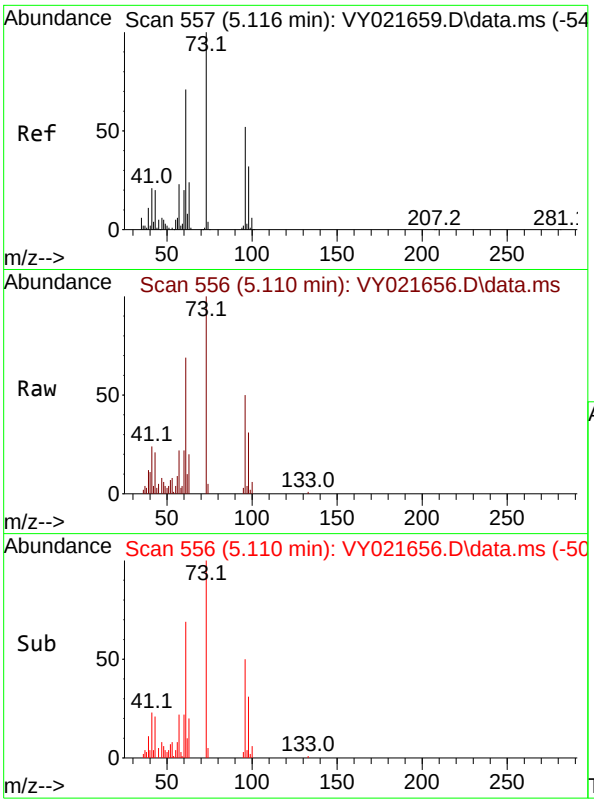


#18
Methyl Acetate
Concen: 5.985 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 7141

Ion	Ratio	Lower	Upper
43	100		
74	22.6	19.1	28.7

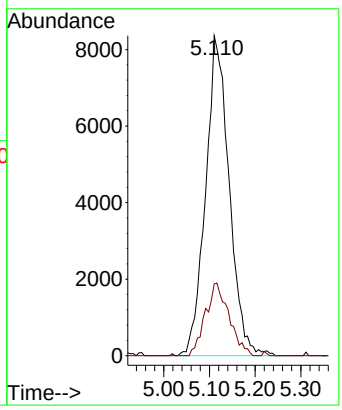




#19
Methyl tert-butyl Ether
Concen: 5.286 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 73 Resp: 2996

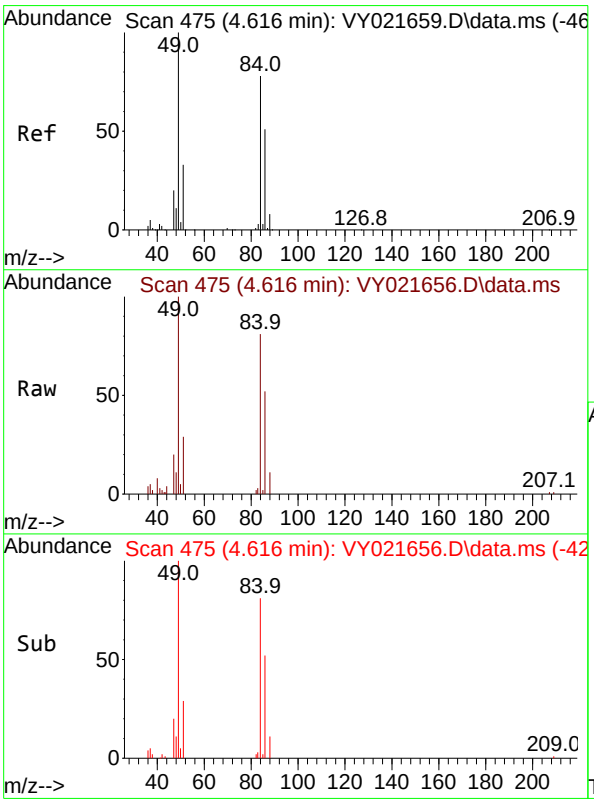
Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

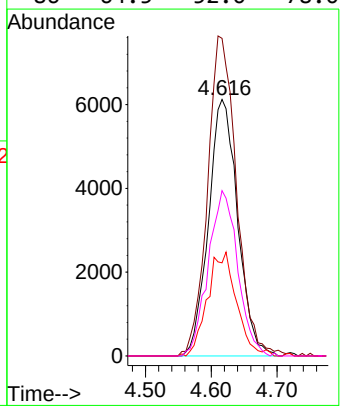
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

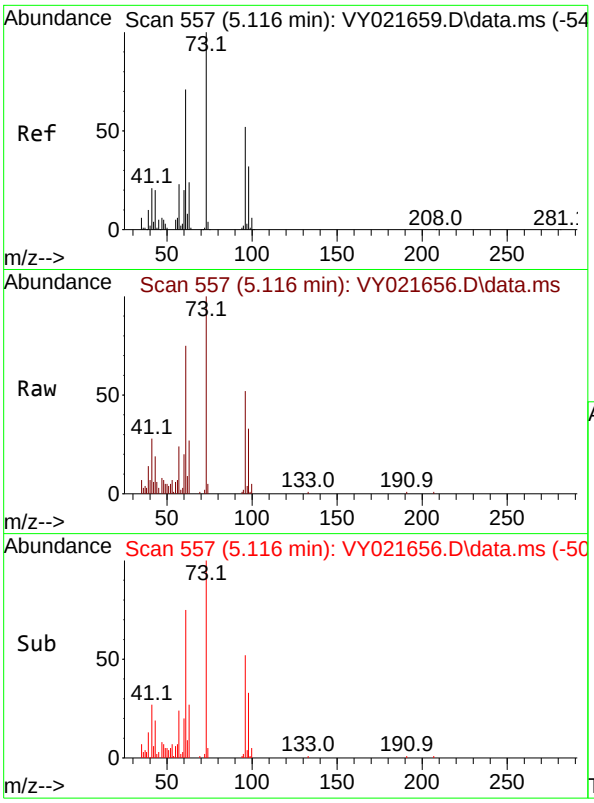


#20
Methylene Chloride
Concen: 4.497 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 84 Resp: 18885

Ion	Ratio	Lower	Upper
84	100		
49	123.8	102.8	154.2
51	36.3	33.5	50.3
86	64.5	52.0	78.0

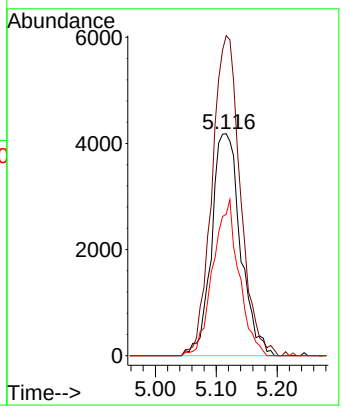




#21
trans-1,2-Dichloroethene
Concen: 5.489 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 96 Resp: 1376

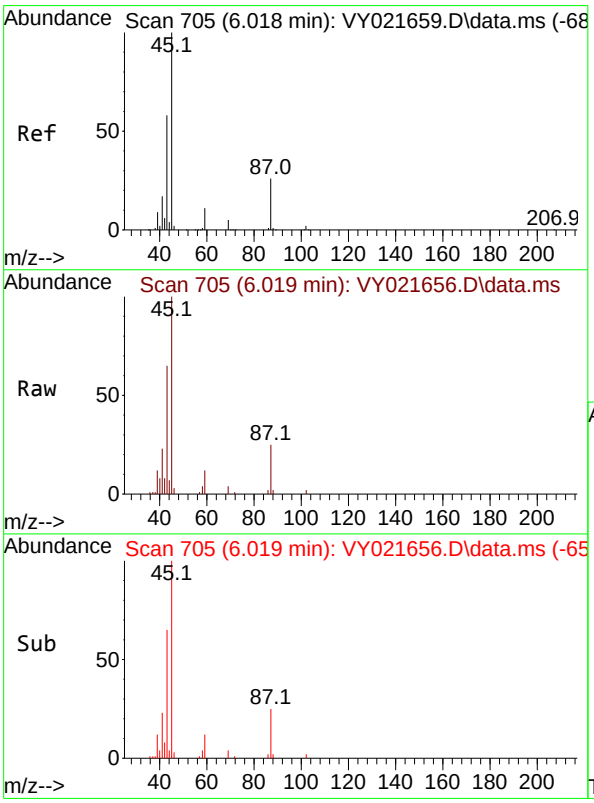
Ion	Ratio	Lower	Upper
96	100		
61	144.2	109.4	164.0
98	63.7	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

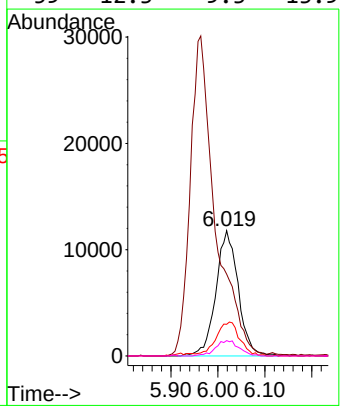
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

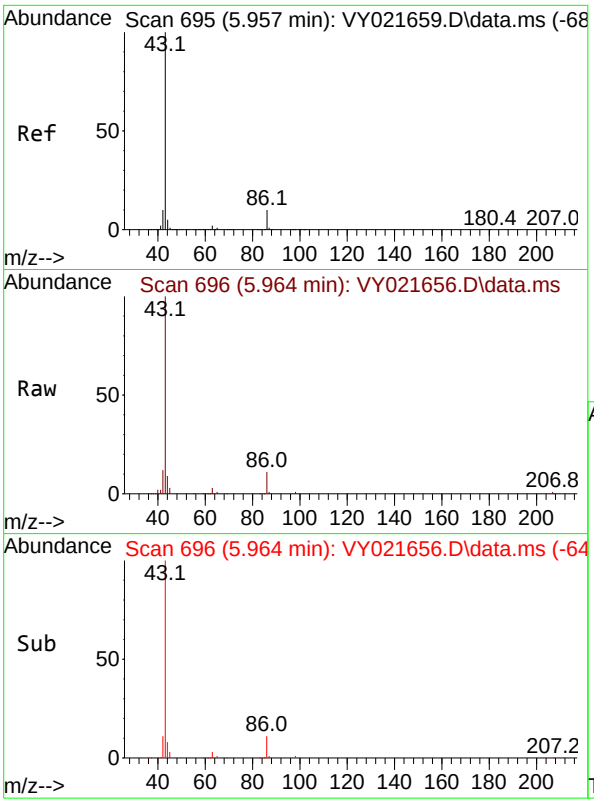


#22
Diisopropyl ether
Concen: 5.118 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 45 Resp: 38980

Ion	Ratio	Lower	Upper
45	100		
43	64.0	46.6	69.8
87	25.2	20.7	31.1
59	12.3	9.3	13.9





#23
Vinyl Acetate
Concen: 24.992 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

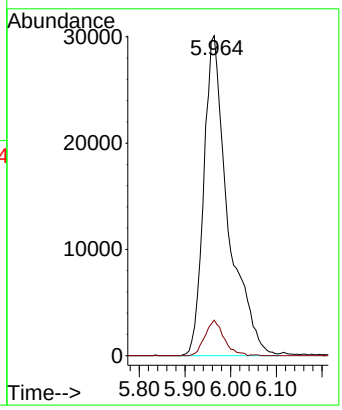
Tgt Ion: 43 Resp: 11135

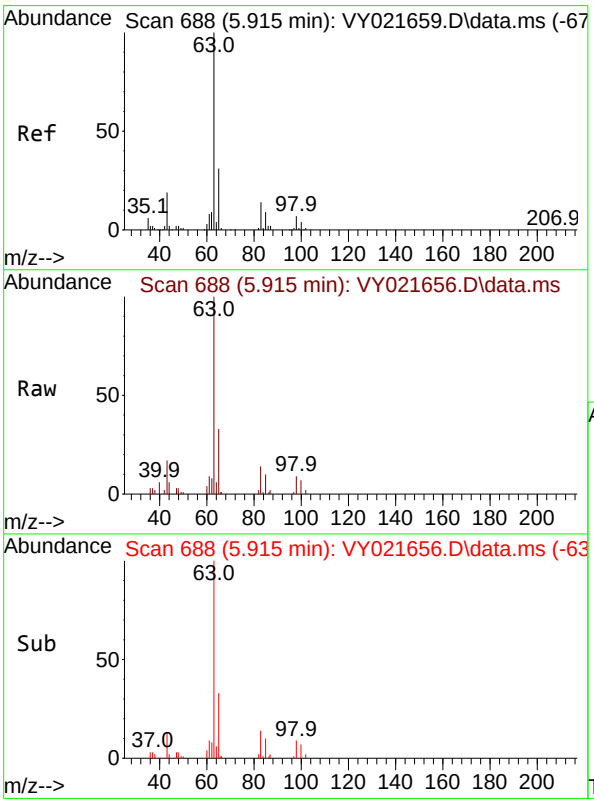
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

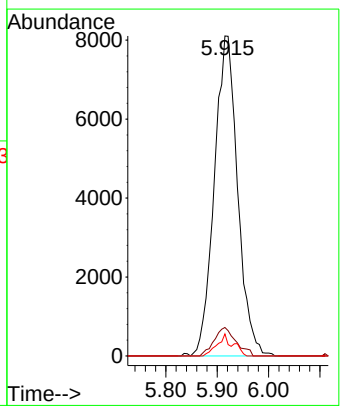


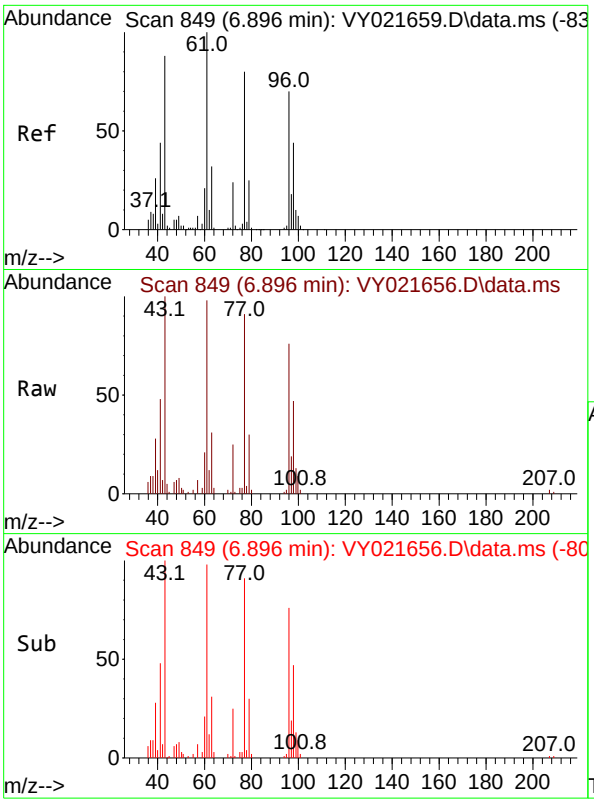


#24
1,1-Dichloroethane
Concen: 5.616 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 63 Resp: 25578

Ion	Ratio	Lower	Upper
63	100		
98	8.9	3.5	10.5
100	6.9	2.2	6.6#





#25
2-Butanone
Concen: 28.598 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

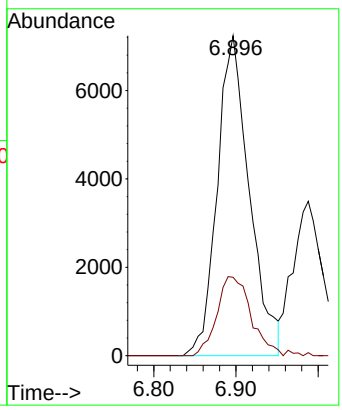
Tgt Ion: 43 Resp: 1966

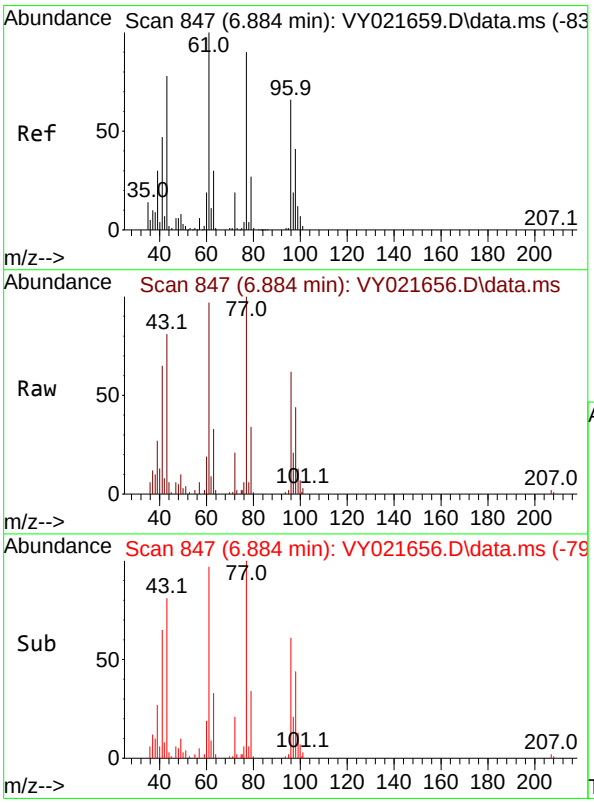
Ion	Ratio	Lower	Upper
43	100		
72	24.5	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

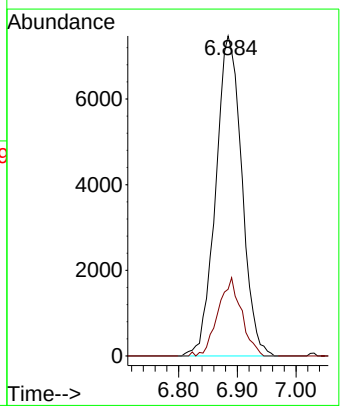


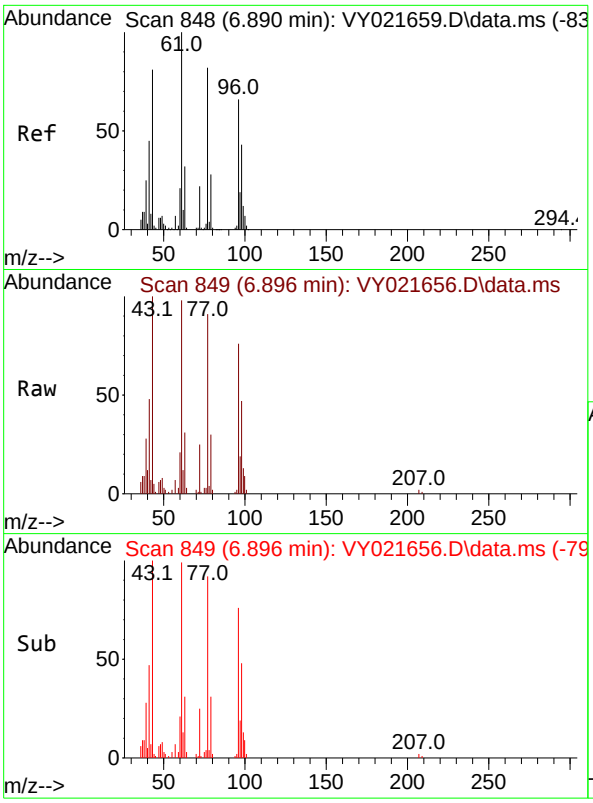


#26
2,2-Dichloropropane
Concen: 5.695 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 77 Resp: 23073

Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 5.390 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

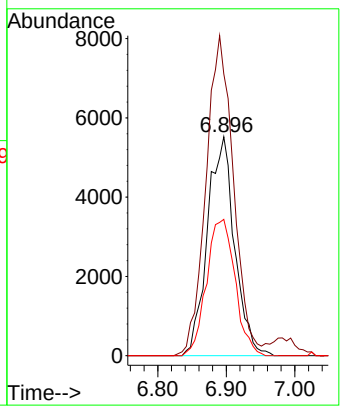
Tgt Ion: 96 Resp: 1519

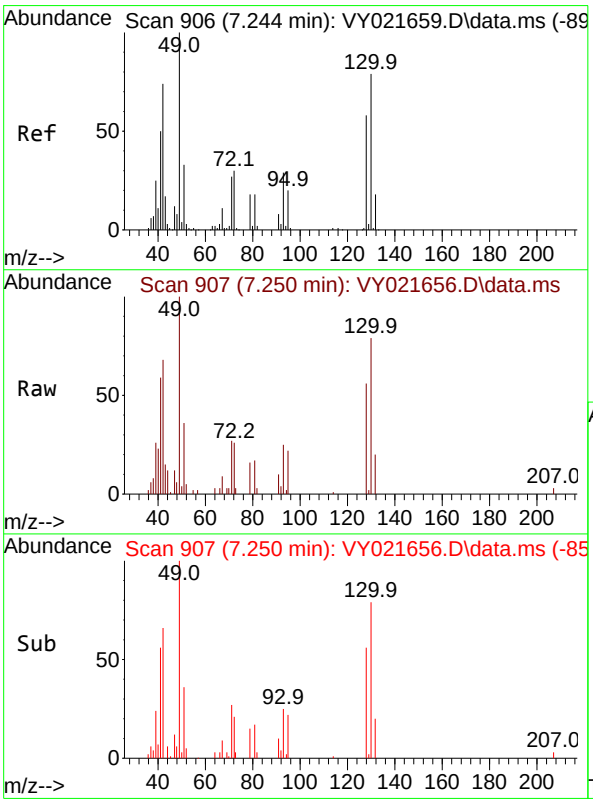
Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	296.4
98	65.4	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

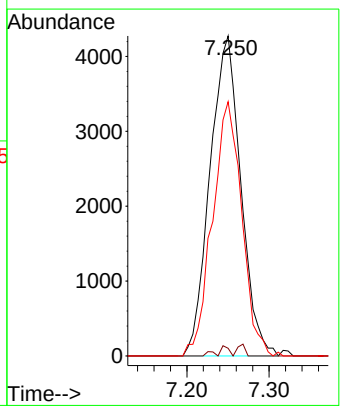


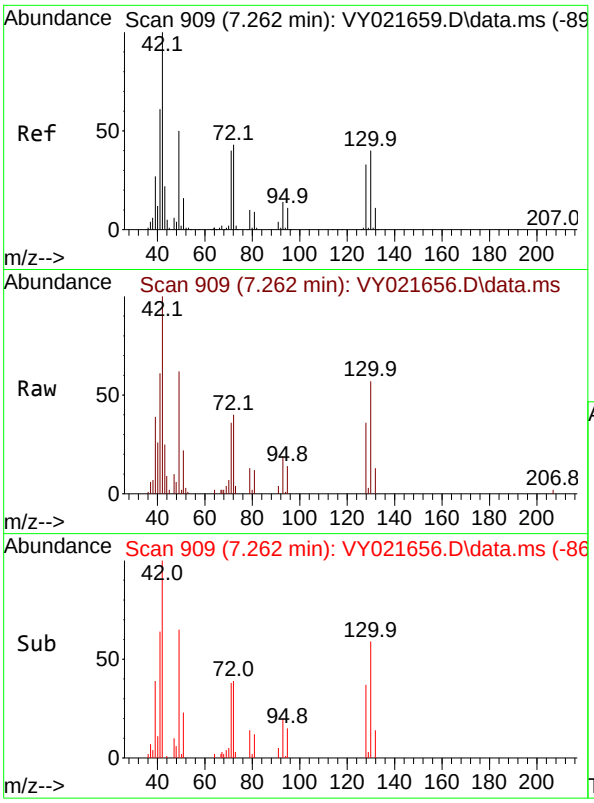


#28
Bromochloromethane
Concen: 5.799 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 49 Resp: 11139

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	75.8	60.1	90.1

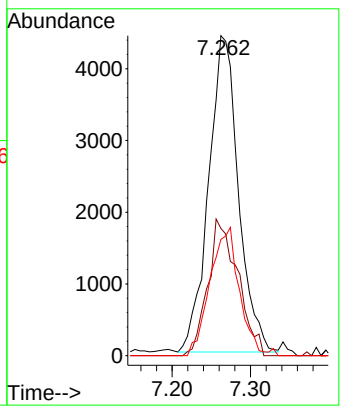




#29
Tetrahydrofuran
Concen: 26.430 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 42 Resp: 1169(

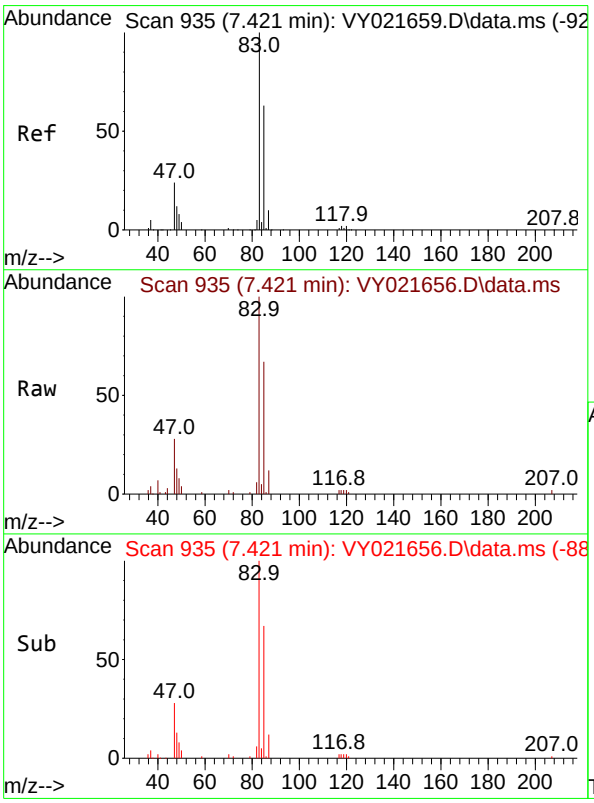
Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	39.9	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

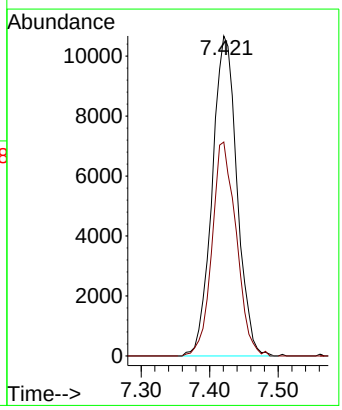
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

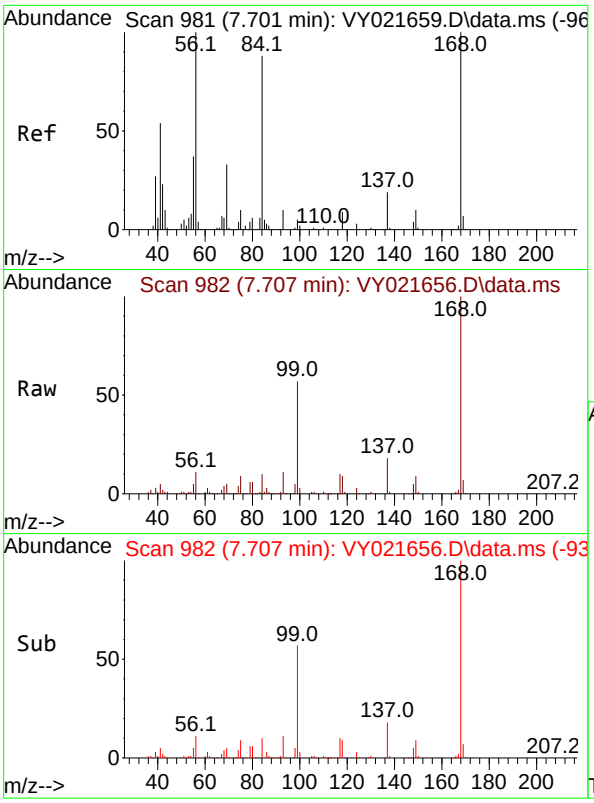


#30
Chloroform
Concen: 5.662 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 83 Resp: 26819

Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.6	75.8

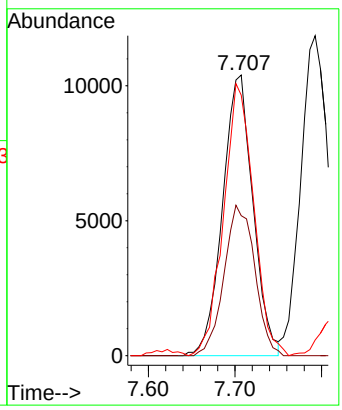




#31
Cyclohexane
Concen: 6.117 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 56 Resp: 2539

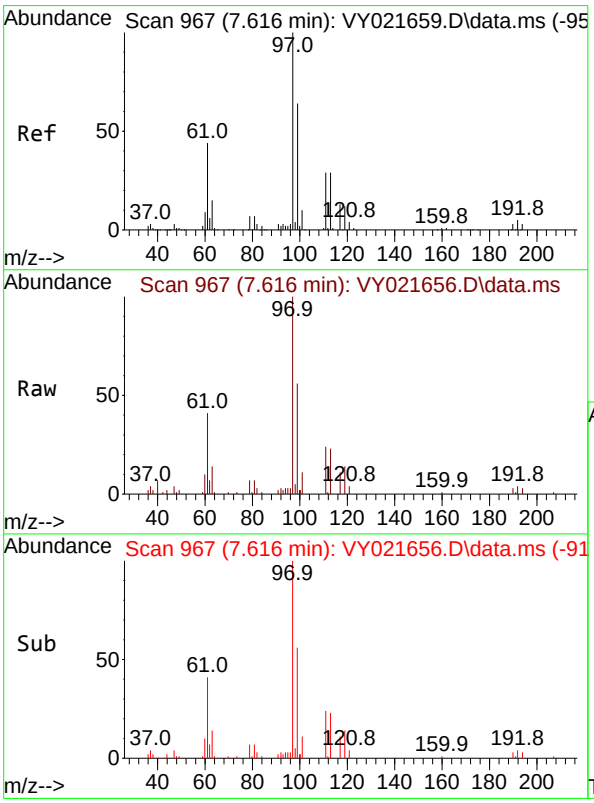
Ion	Ratio	Lower	Upper
56	100		
69	49.9	26.6	40.0
84	91.4	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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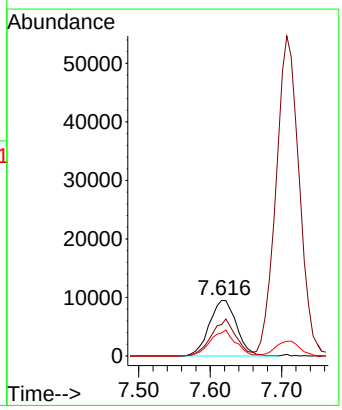
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

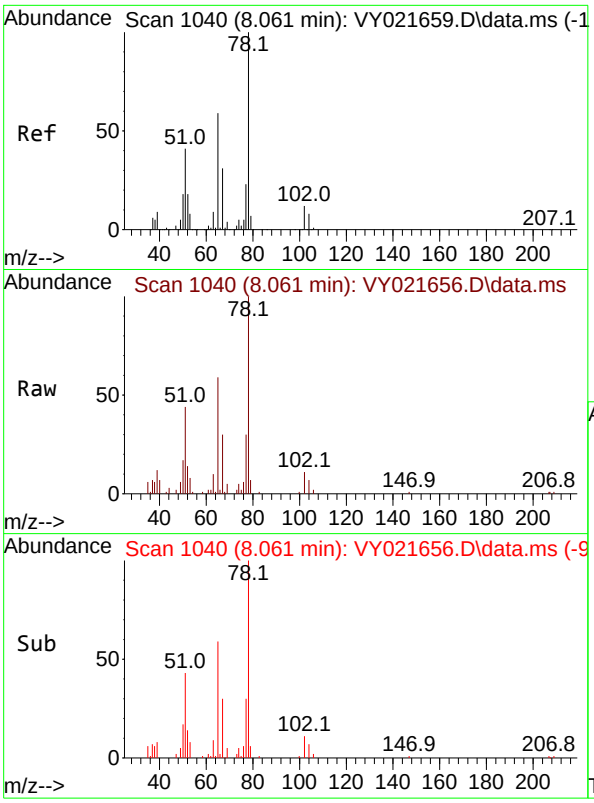


#32
1,1,1-Trichloroethane
Concen: 5.856 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 97 Resp: 25069

Ion	Ratio	Lower	Upper
97	100		
99	59.7	50.7	76.1
61	43.2	35.2	52.8

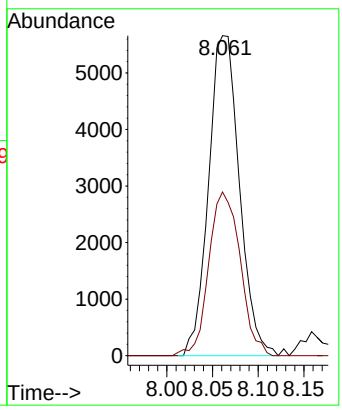




#33
1,2-Dichloroethane-d4
Concen: 5.650 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 65 Resp: 1328

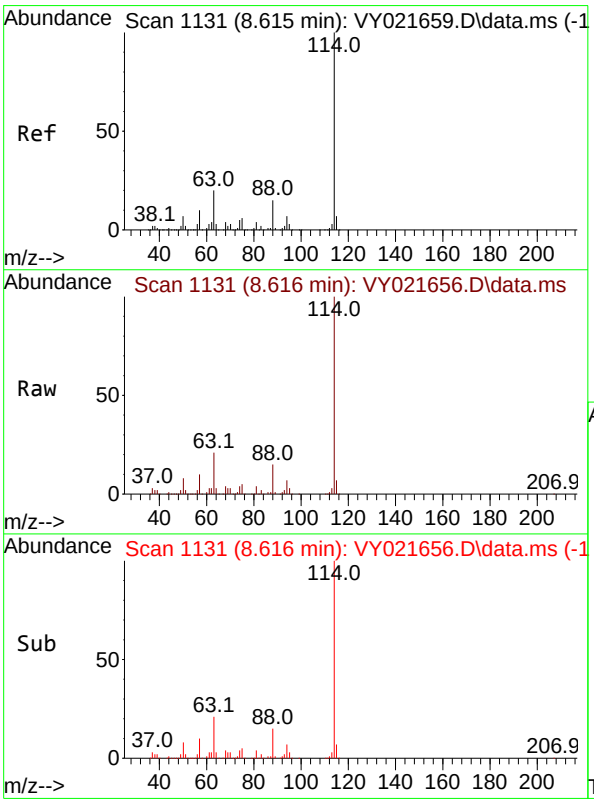
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

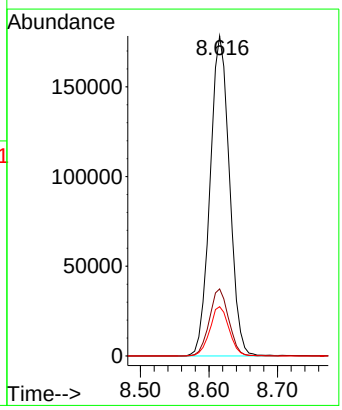
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

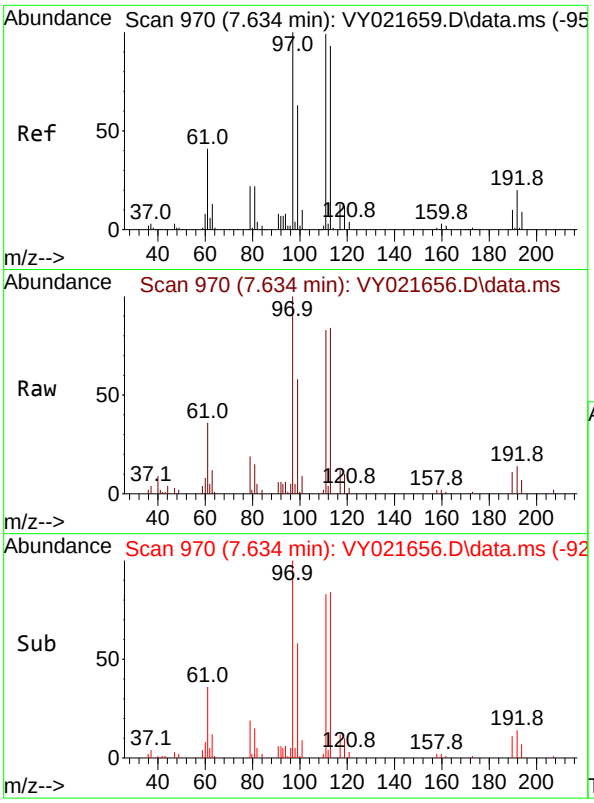


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:114 Resp: 350486

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.2
88	15.4	0.0	29.8

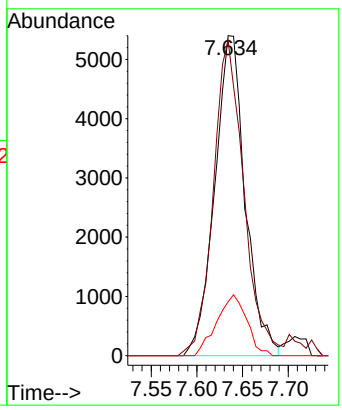




#35
Dibromofluoromethane
Concen: 5.506 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:113 Resp: 1251

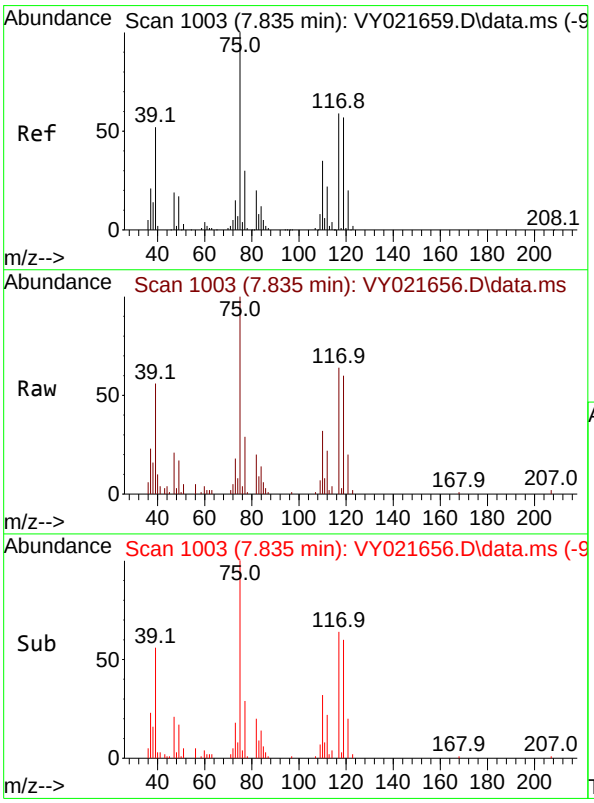
Ion	Ratio	Lower	Upper
113	100		
111	98.5	82.6	123.8
192	18.8	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

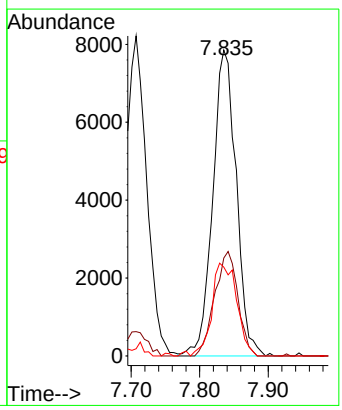
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

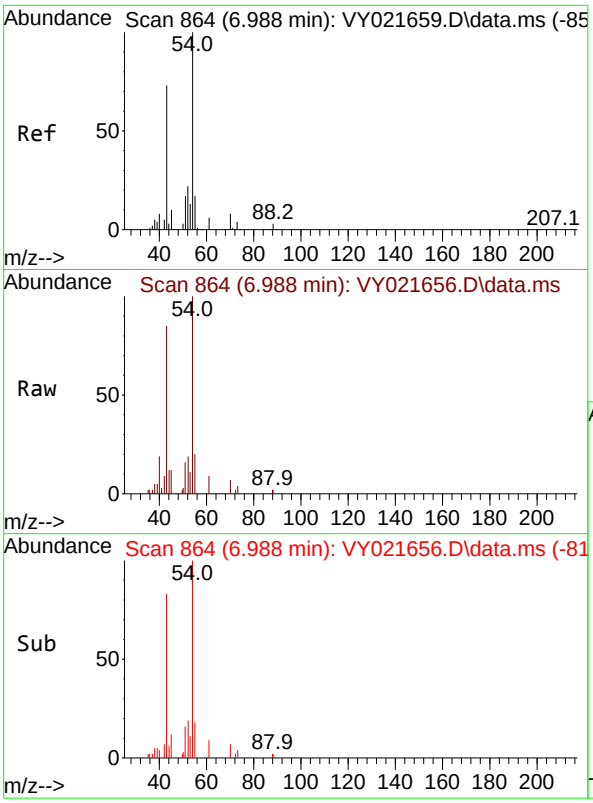


#36
1,1-Dichloropropene
Concen: 5.388 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 18659

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.0	50.9
77	32.1	24.8	37.2





#37
Ethyl Acetate
Concen: 5.788 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

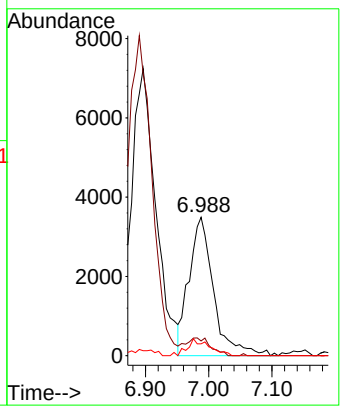
Tgt Ion: 43 Resp: 945

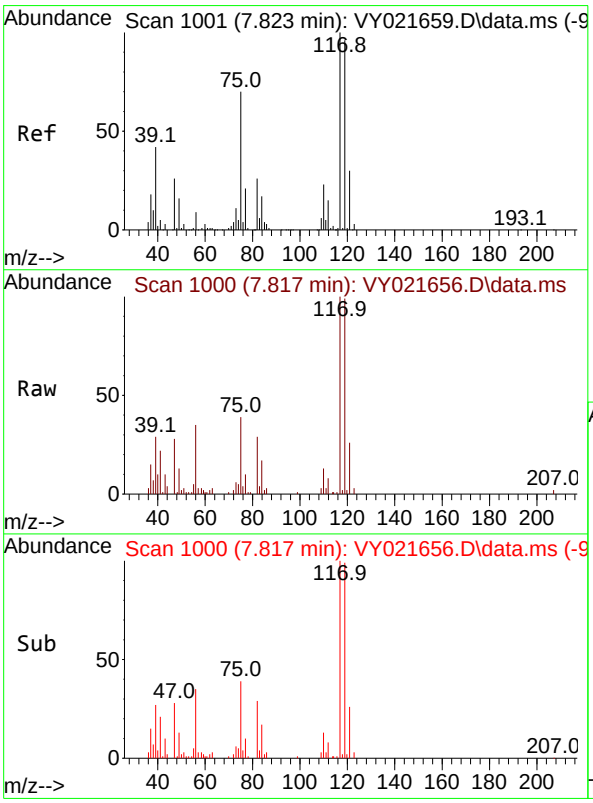
Ion	Ratio	Lower	Upper
43	100		
61	10.9	11.0	16.6
70	10.8	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

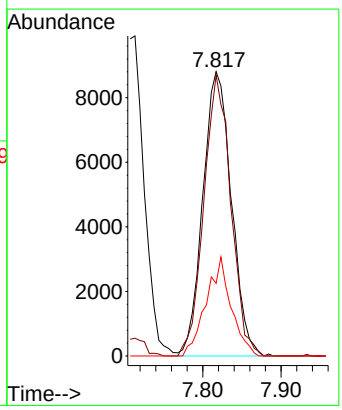


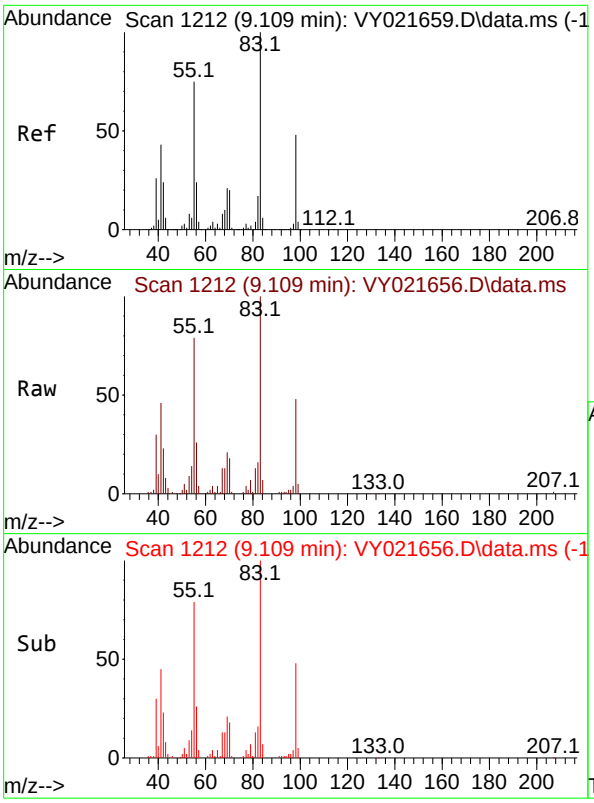


#38
Carbon Tetrachloride
Concen: 5.625 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:117 Resp: 22310

Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.2	114.4
121	25.6	24.2	36.4





#39
Methylcyclohexane
Concen: 5.023 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

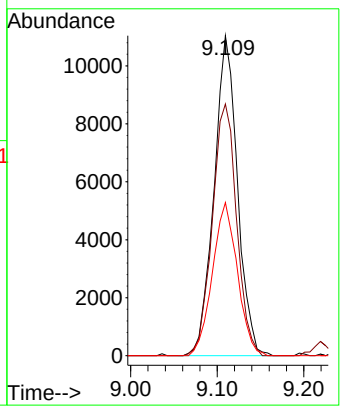
Tgt Ion: 83 Resp: 2078

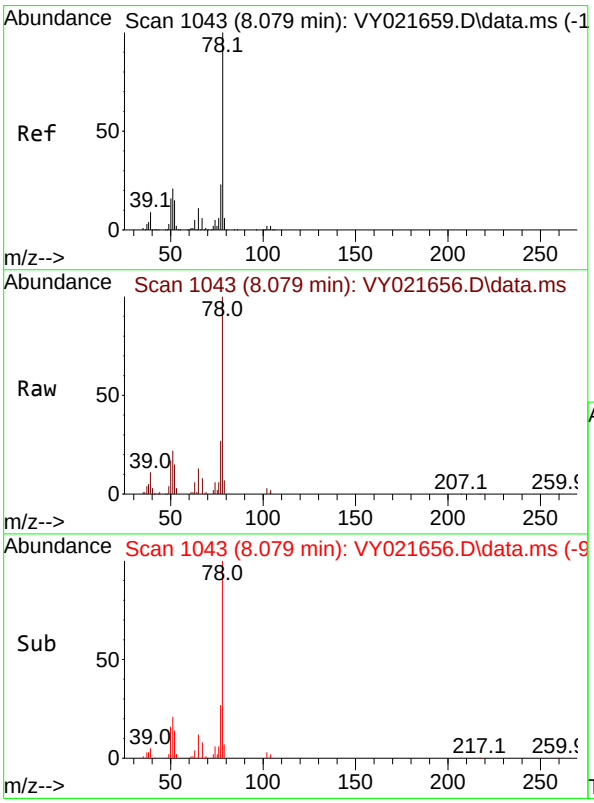
Ion	Ratio	Lower	Upper
83	100		
55	78.6	59.7	89.5
98	47.9	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

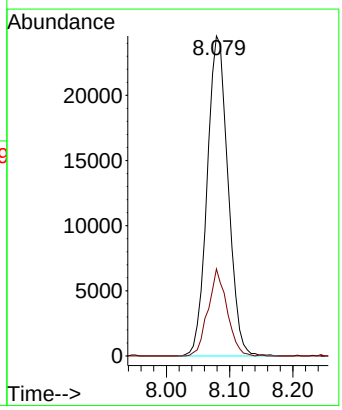


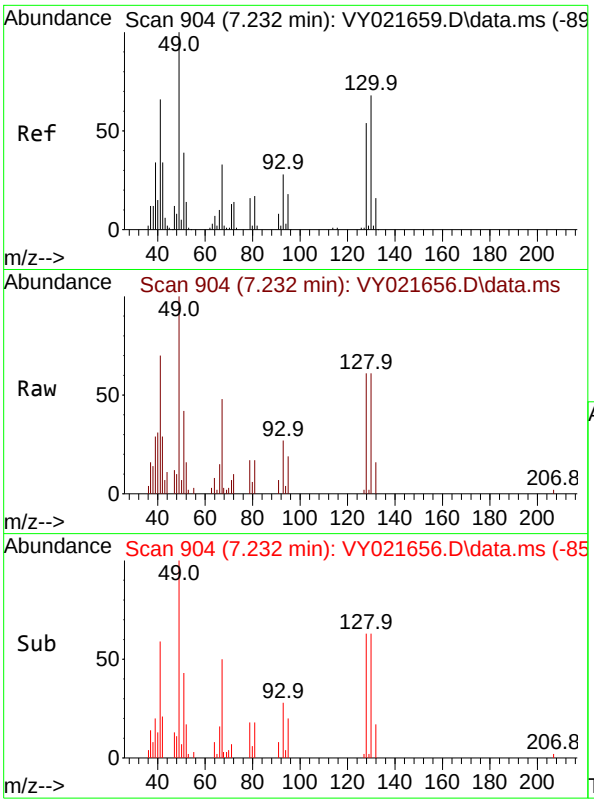


#40
Benzene
Concen: 5.427 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 78 Resp: 56287

Ion	Ratio	Lower	Upper
78	100		
77	27.2	18.8	28.2

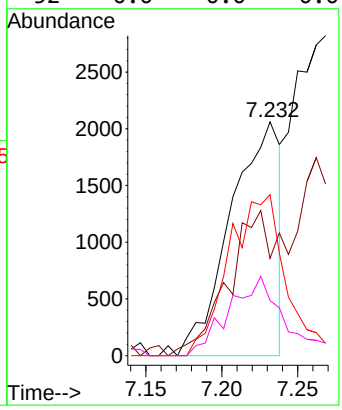




#41
Methacrylonitrile
Concen: 5.402 ug/l m
RT: 7.232 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 41 Resp: 468

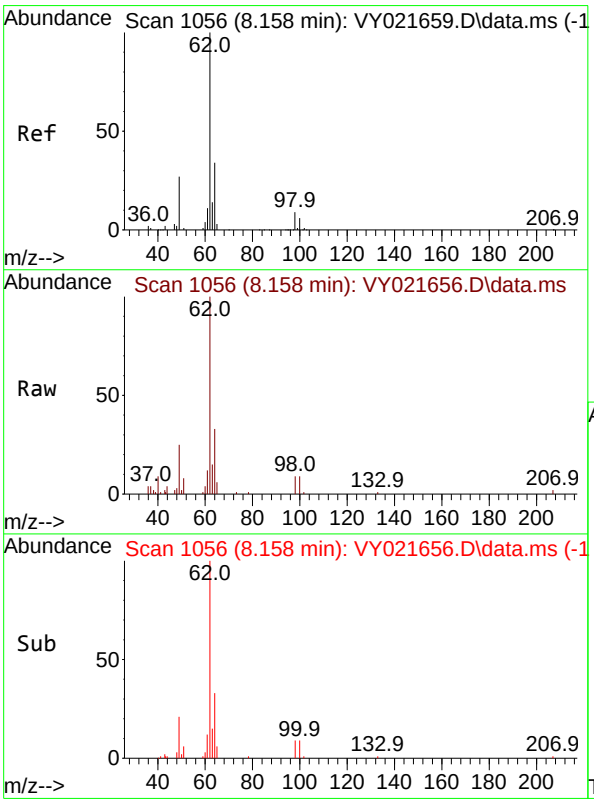
Ion	Ratio	Lower	Upper
41	100		
39	78.1	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

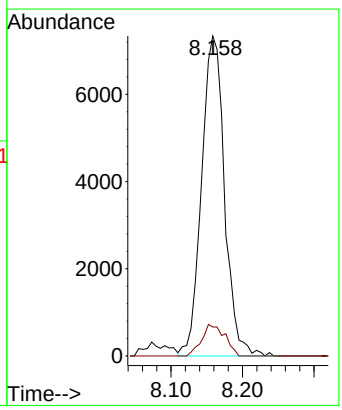
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

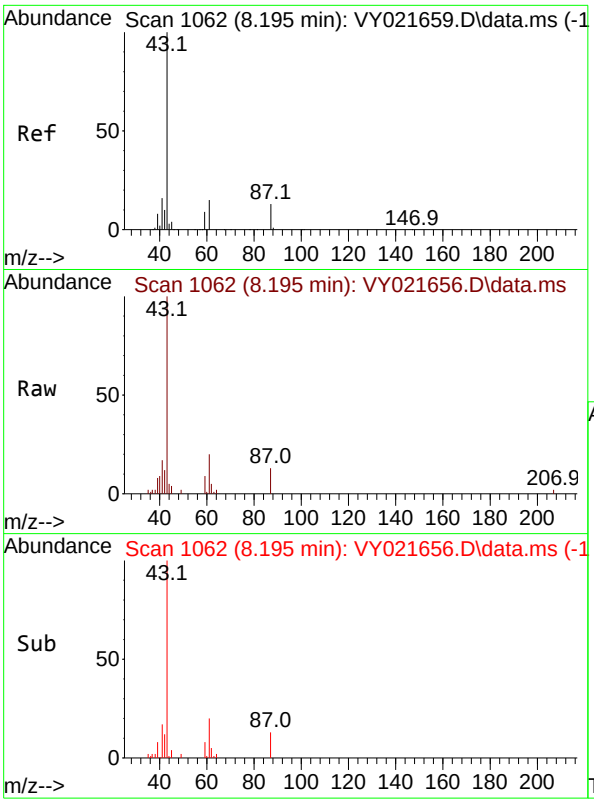


#42
1,2-Dichloroethane
Concen: 5.603 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 62 Resp: 16381

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4

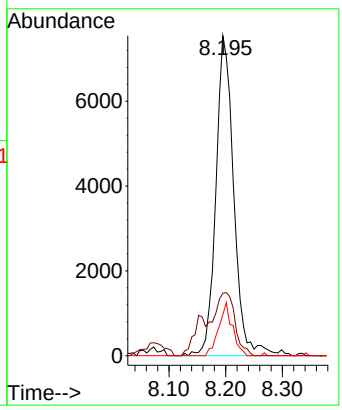




#43
Isopropyl Acetate
Concen: 5.329 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 1650

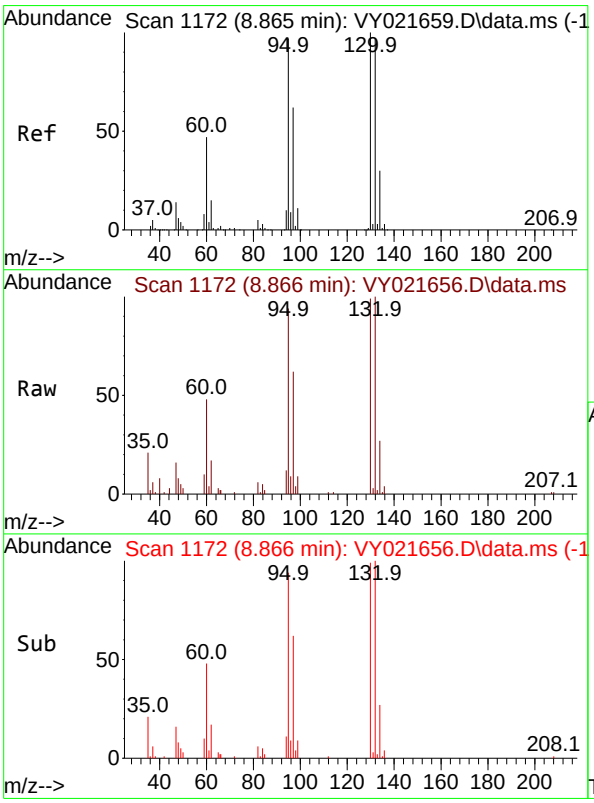
Ion	Ratio	Lower	Upper
43	100		
61	21.8	15.9	23.9
87	12.8	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

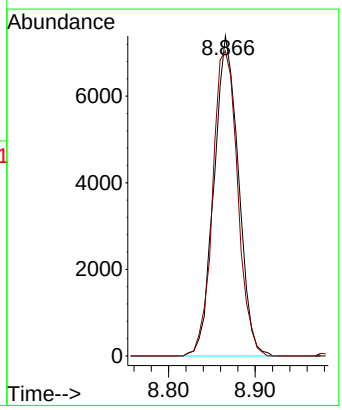
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

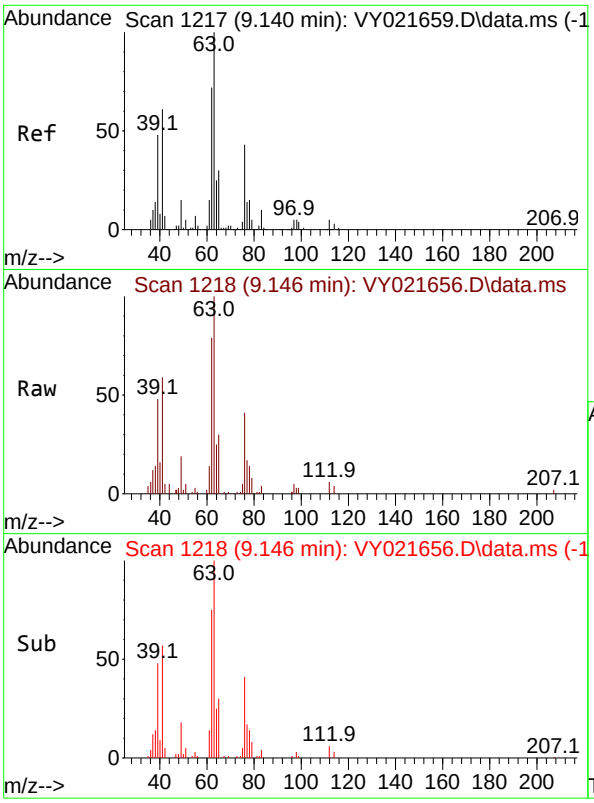


#44
Trichloroethene
Concen: 5.470 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:130 Resp: 14453

Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	194.8

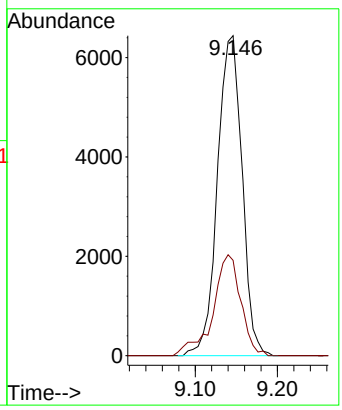




#45
1,2-Dichloropropane
Concen: 5.470 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 63 Resp: 1342

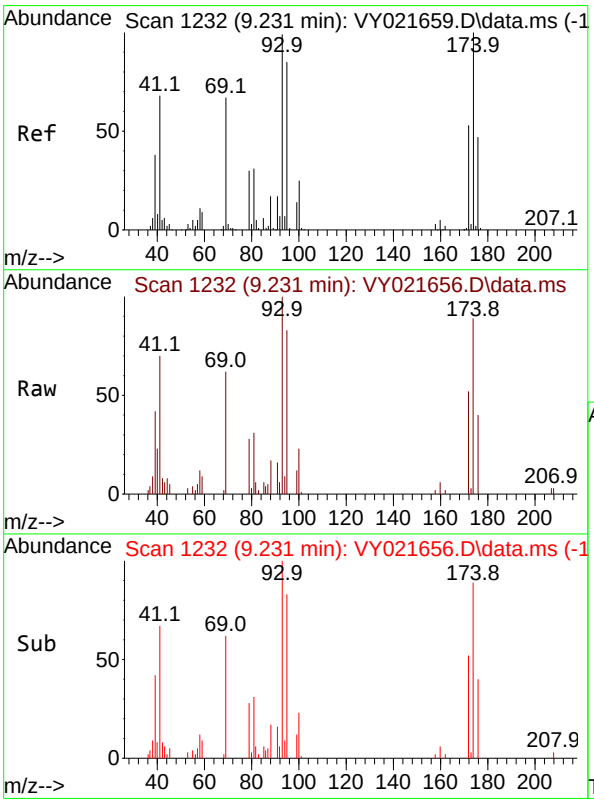
Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

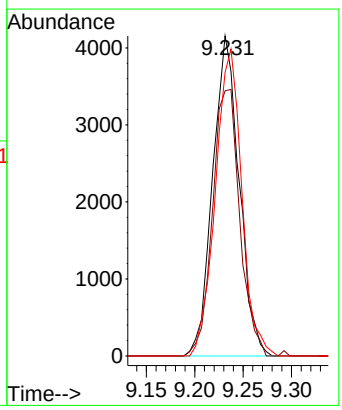
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

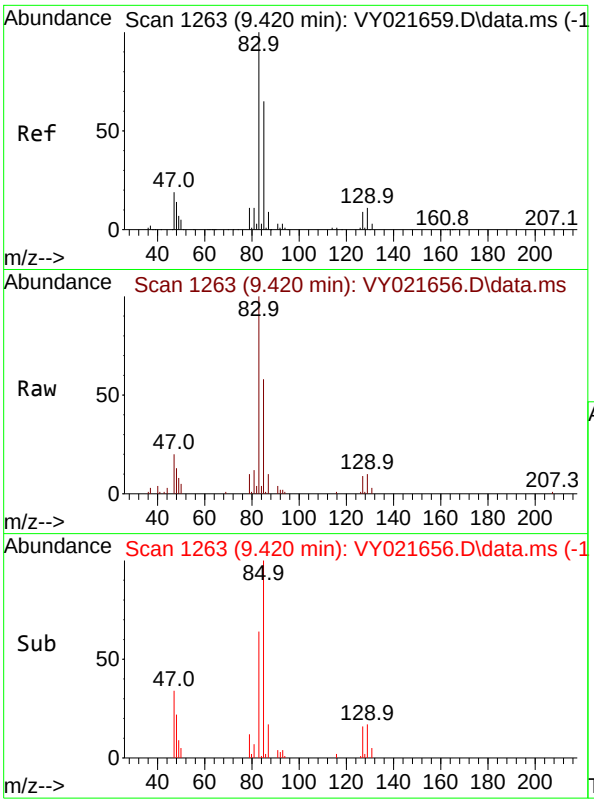


#46
Dibromomethane
Concen: 5.571 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 93 Resp: 7882

Ion	Ratio	Lower	Upper
93	100		
95	85.8	68.1	102.1
174	95.8	80.9	121.3

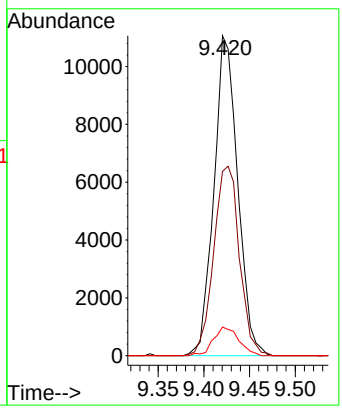




#47
Bromodichloromethane
Concen: 5.458 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 83 Resp: 2000

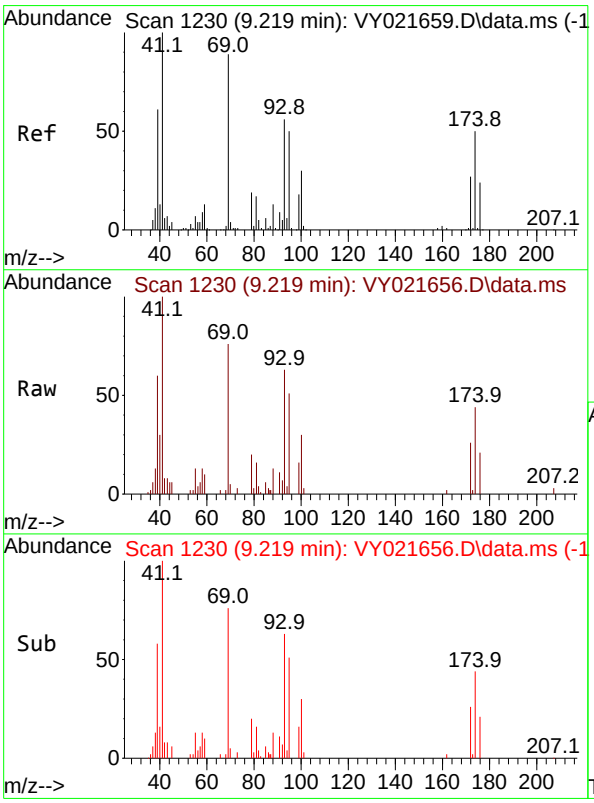
Ion	Ratio	Lower	Upper
83	100		
85	57.6	51.8	77.6
127	9.0	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

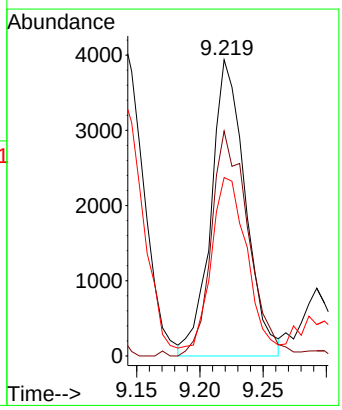
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

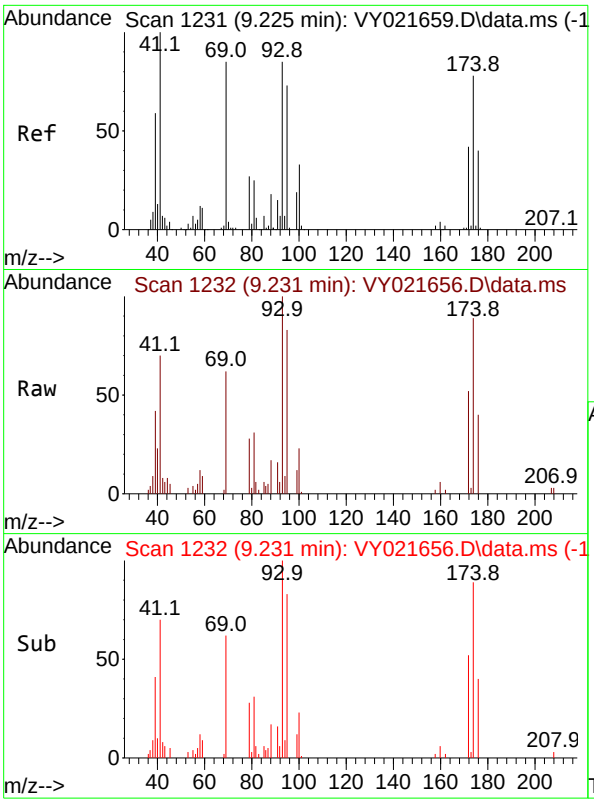


#48
Methyl methacrylate
Concen: 5.225 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 41 Resp: 7427

Ion	Ratio	Lower	Upper
41	100		
69	81.4	69.8	104.8
39	59.4	47.2	70.8

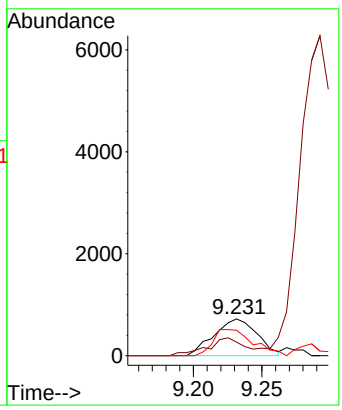




#49
1,4-Dioxane
Concen: 103.789 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 88 Resp: 157

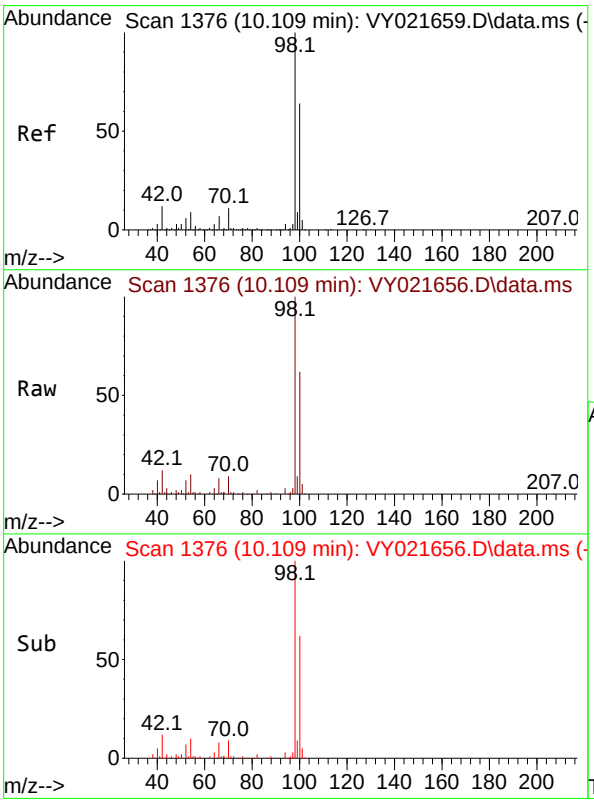
Ion	Ratio	Lower	Upper
88	100		
43	40.8	28.8	43.2
58	66.1	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

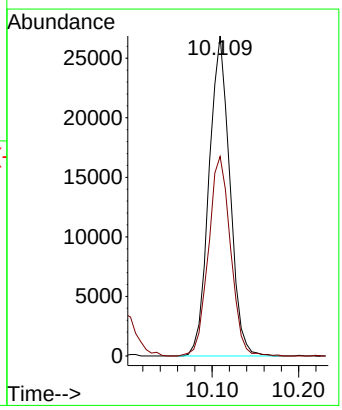
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

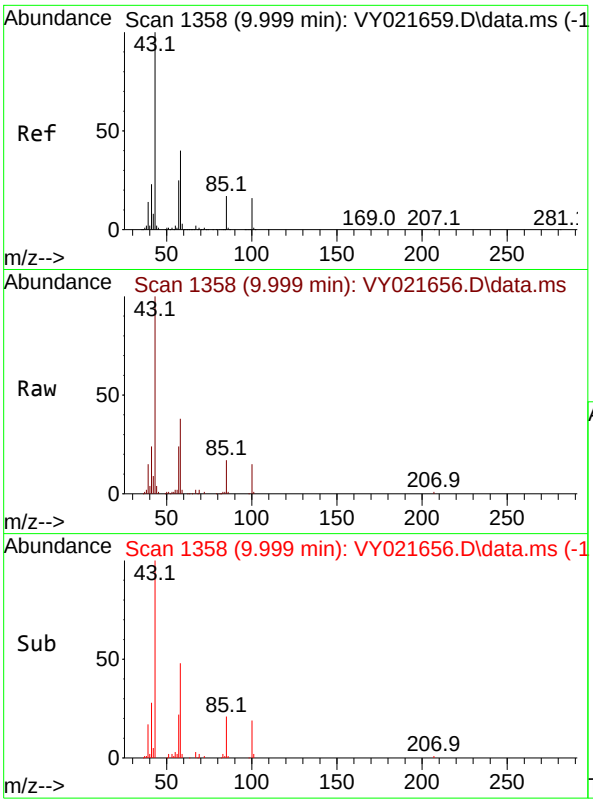


#50
Toluene-d8
Concen: 5.177 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 98 Resp: 44774

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.1	78.1

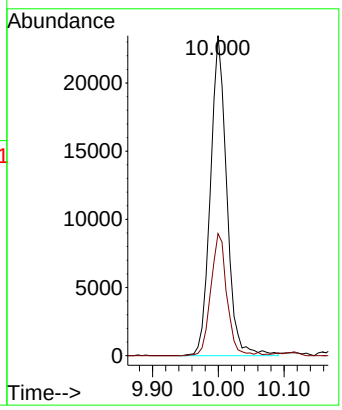




#51
4-Methyl-2-Pentanone
Concen: 25.191 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 4060

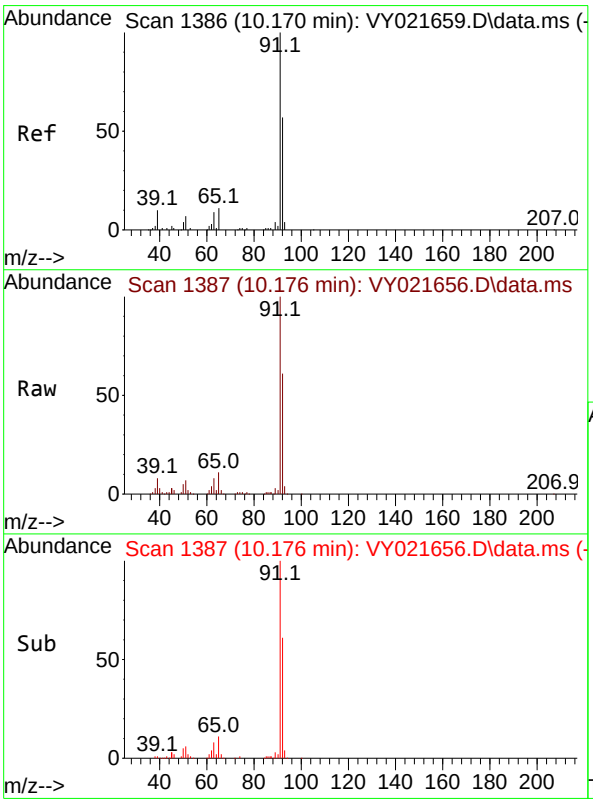
Ion	Ratio	Lower	Upper
43	100		
58	37.6	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

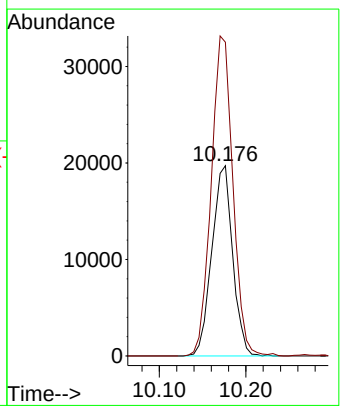
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

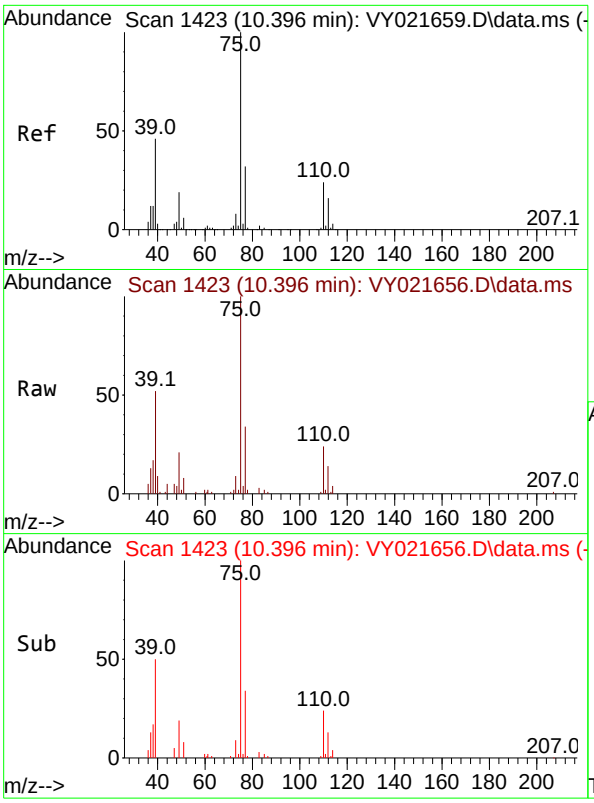


#52
Toluene
Concen: 5.093 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 92 Resp: 32954

Ion	Ratio	Lower	Upper
92	100		
91	175.0	138.6	207.8

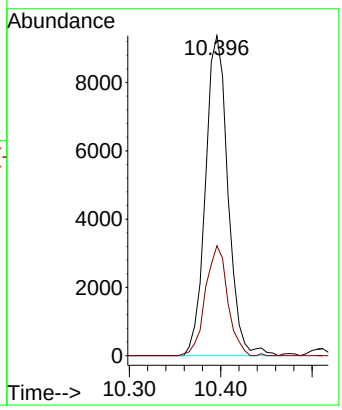




#53
t-1,3-Dichloropropene
Concen: 4.909 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 1598

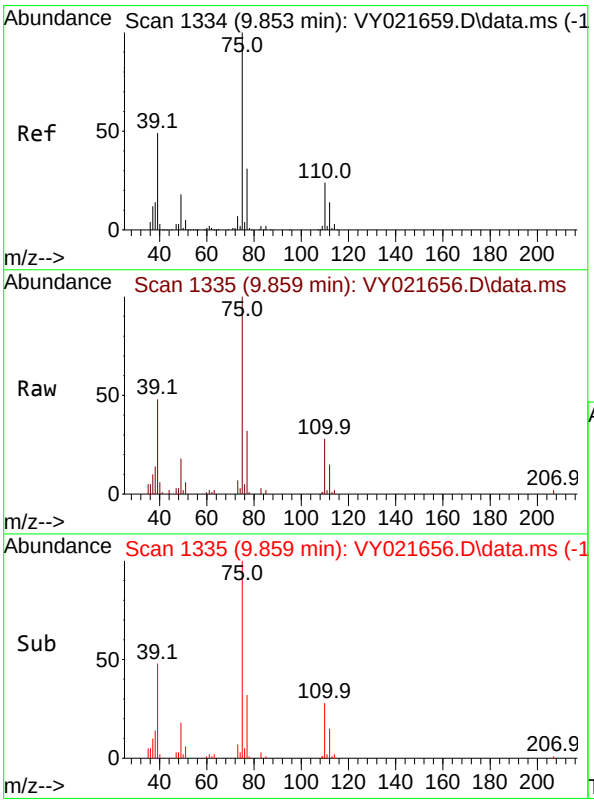
Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

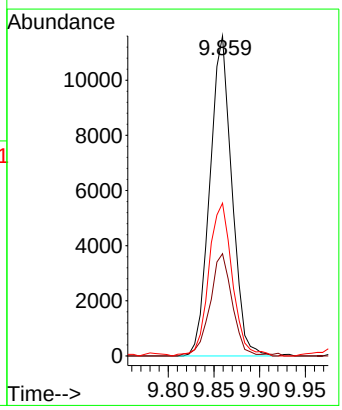
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

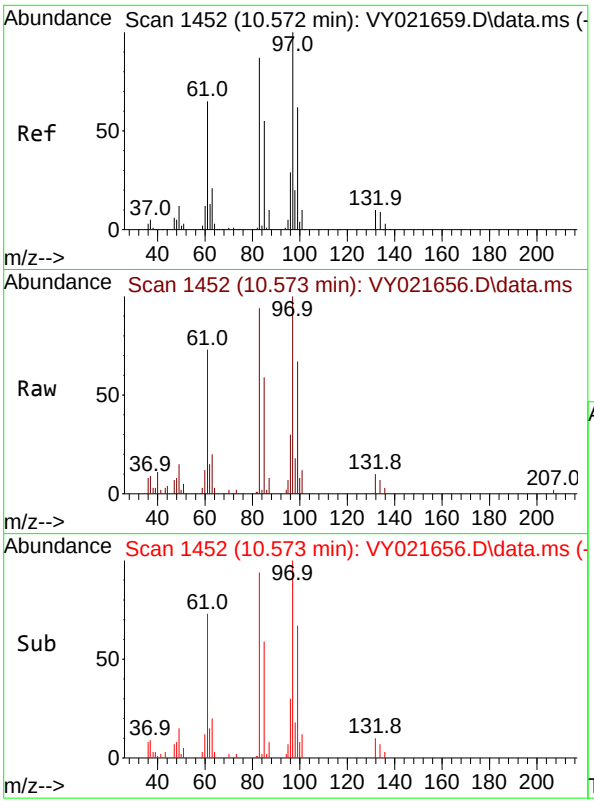


#54
cis-1,3-Dichloropropene
Concen: 5.049 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 19395

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.9	37.3
39	47.7	39.2	58.8

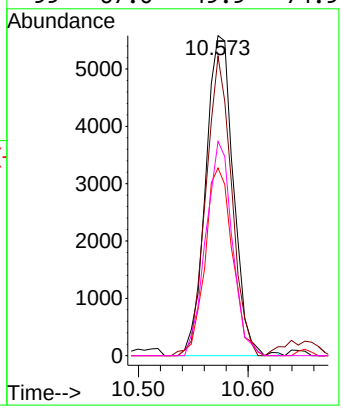




#55
1,1,2-Trichloroethane
Concen: 5.384 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 97 Resp: 980

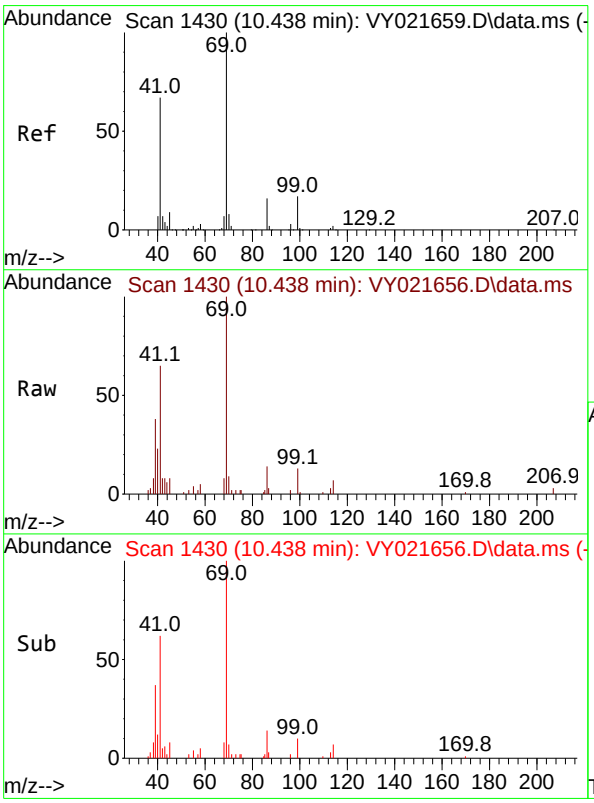
Ion	Ratio	Lower	Upper
97	100		
83	92.2	69.5	104.3
85	58.7	43.9	65.9
99	67.0	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

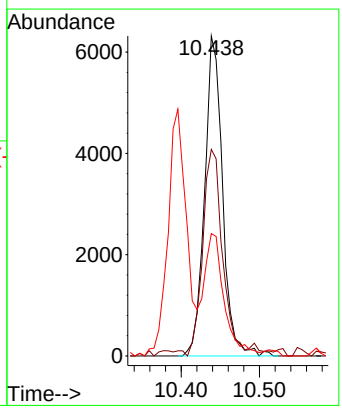
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

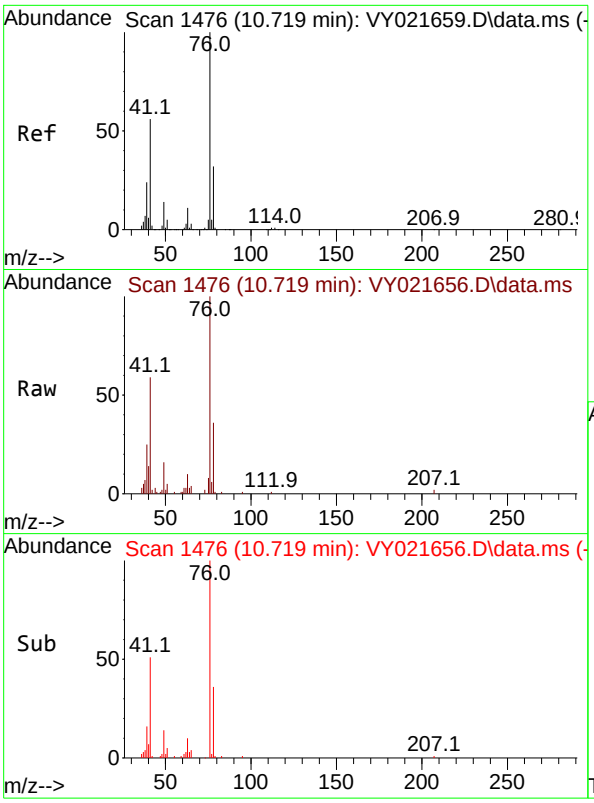


#56
Ethyl methacrylate
Concen: 4.327 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 69 Resp: 10060

Ion	Ratio	Lower	Upper
69	100		
41	71.3	53.8	80.6
39	42.5	29.6	44.4

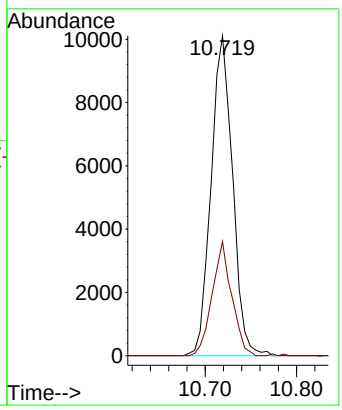




#57
1,3-Dichloropropane
Concen: 5.258 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 76 Resp: 1653

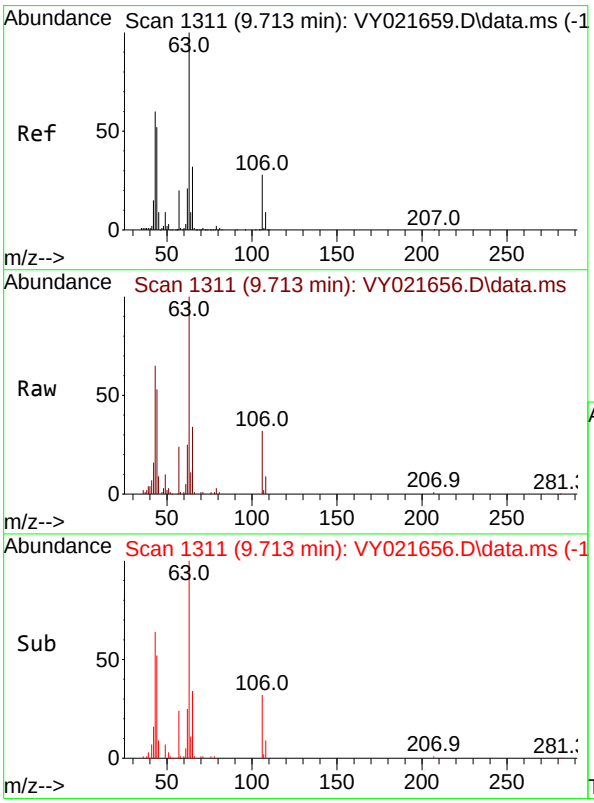
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

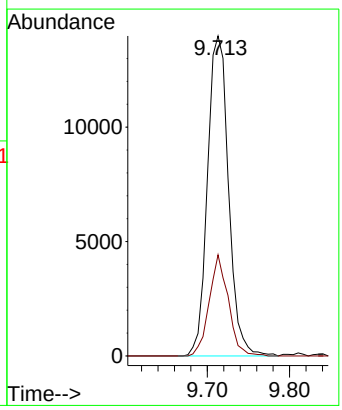
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

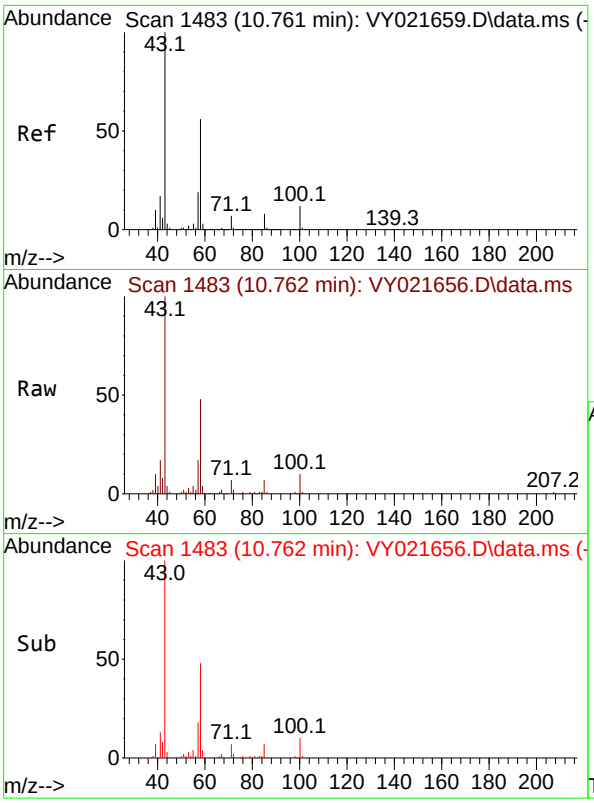


#58
2-Chloroethyl Vinyl ether
Concen: 21.959 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 63 Resp: 24903

Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.4	33.6

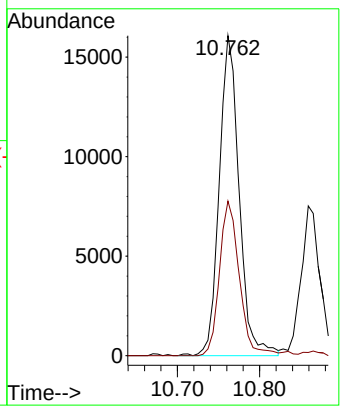




#59
2-Hexanone
Concen: 25.145 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 2699

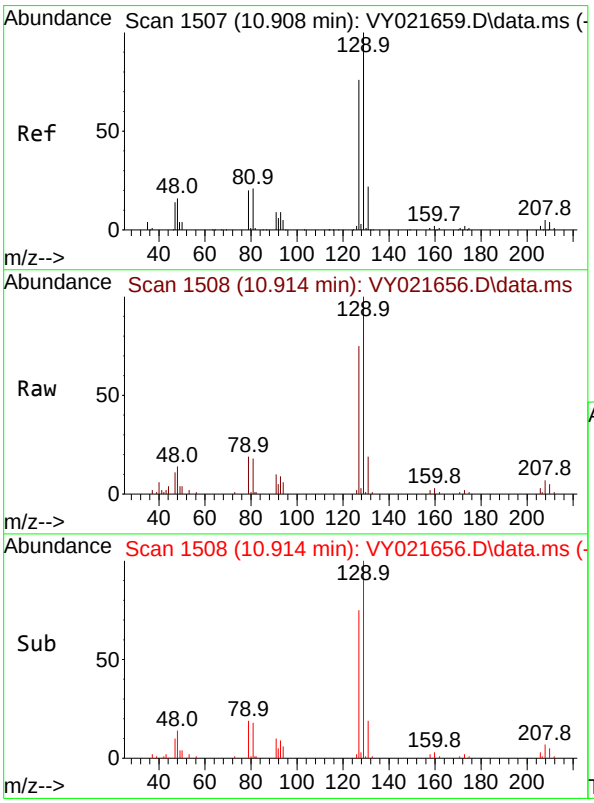
Ion	Ratio	Lower	Upper
43	100		
58	48.9	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

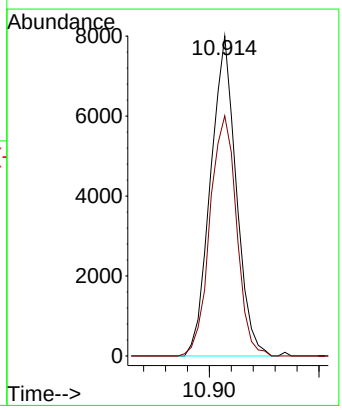
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

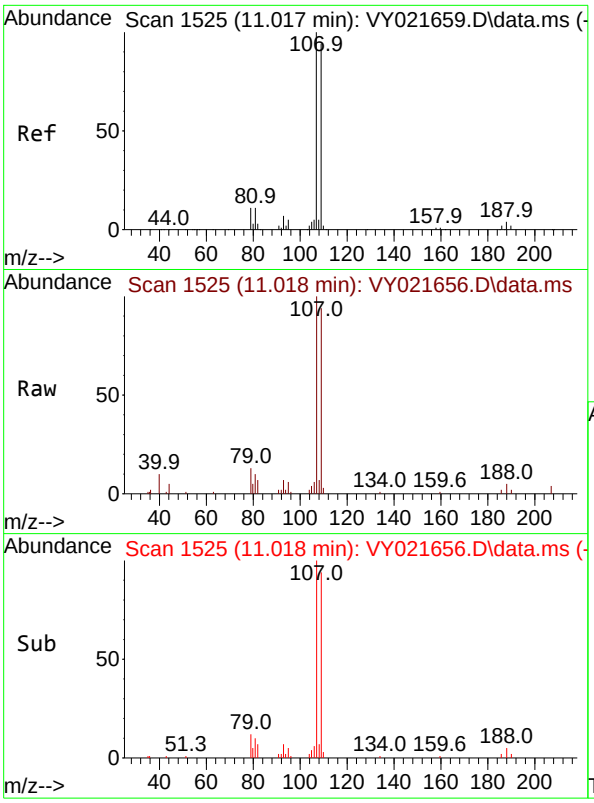


#60
Dibromochloromethane
Concen: 5.231 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:129 Resp: 13002

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.7

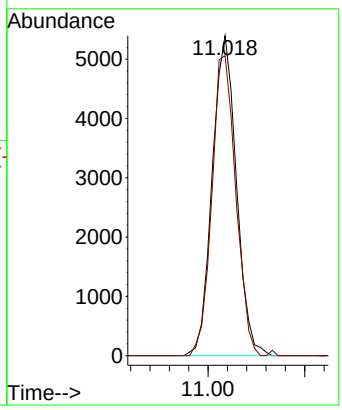




#61
1,2-Dibromoethane
Concen: 5.472 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:107 Resp: 934

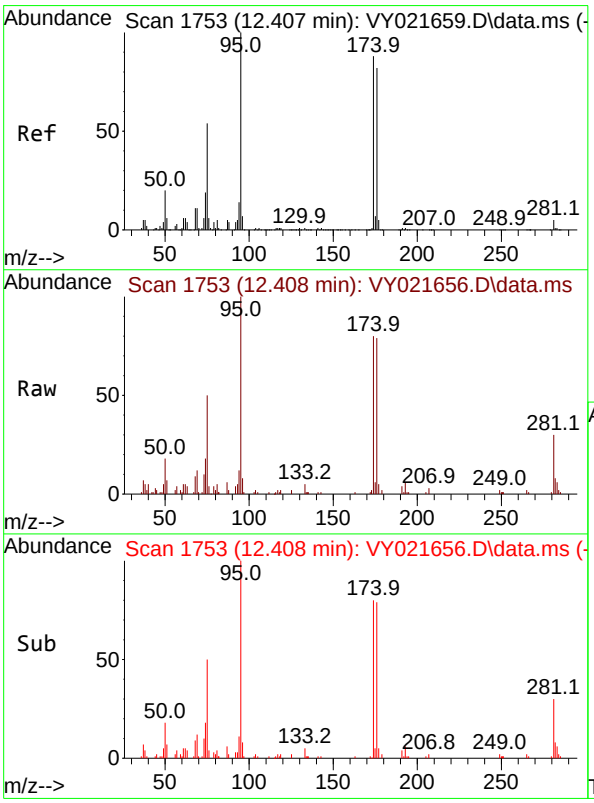
Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

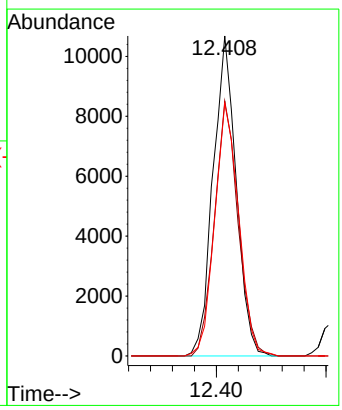
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

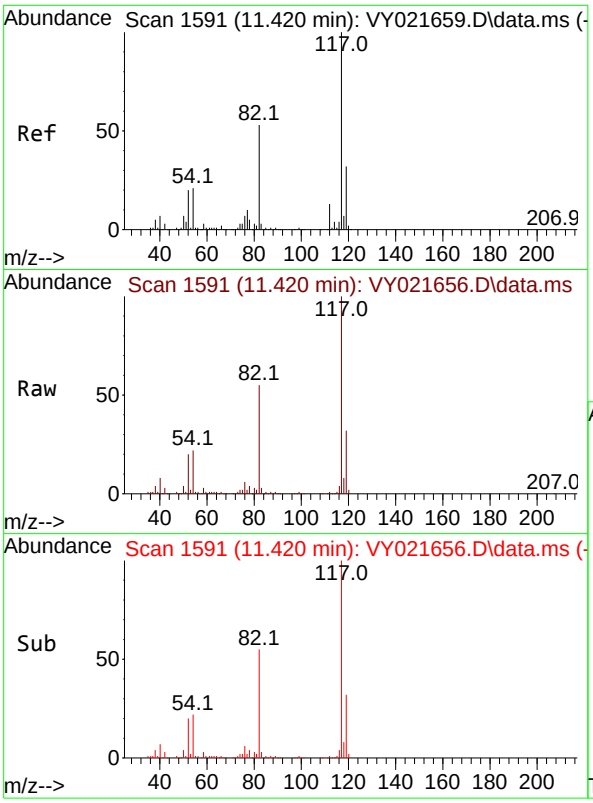


#62
4-Bromofluorobenzene
Concen: 5.352 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 95 Resp: 15657

Ion	Ratio	Lower	Upper
95	100		
174	81.4	0.0	170.8
176	81.7	0.0	162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

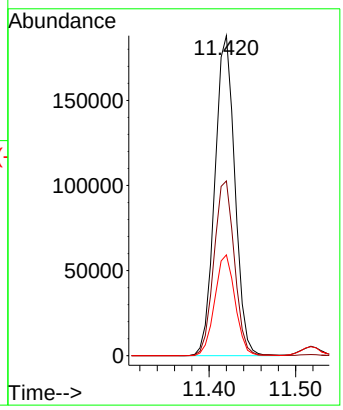
Tgt Ion:117 Resp: 30138

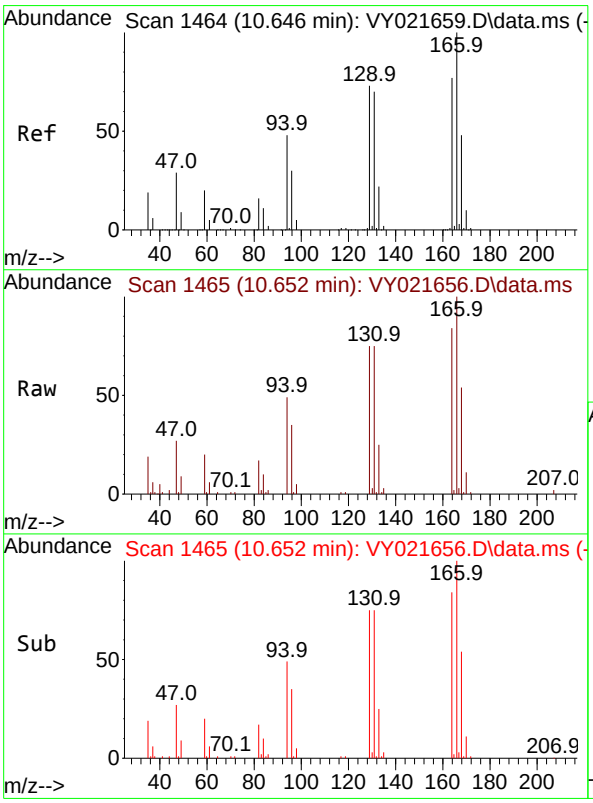
Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.8	64.2
119	31.5	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

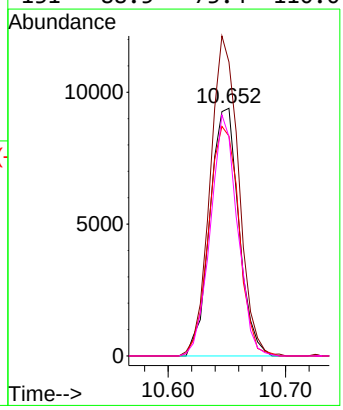


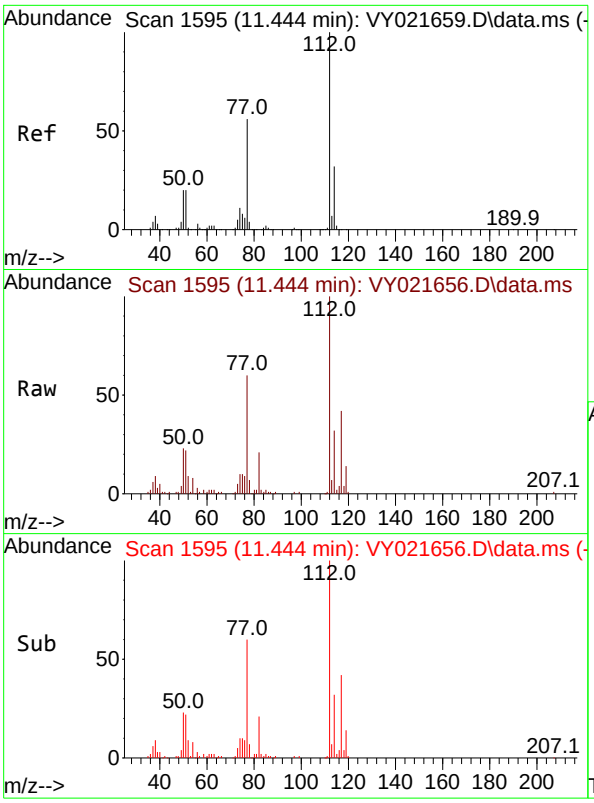


#64
Tetrachloroethene
Concen: 5.860 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:164 Resp: 16085

Ion	Ratio	Lower	Upper
164	100		
166	118.7	104.6	156.8
129	88.8	76.6	114.8
131	88.5	73.4	110.0

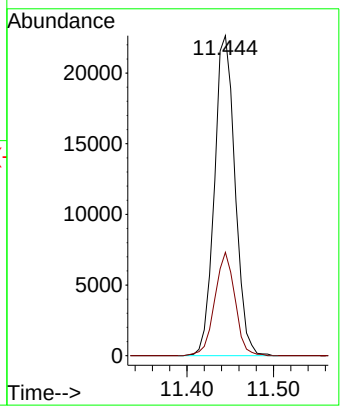




#65
Chlorobenzene
Concen: 5.429 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:112 Resp: 3750

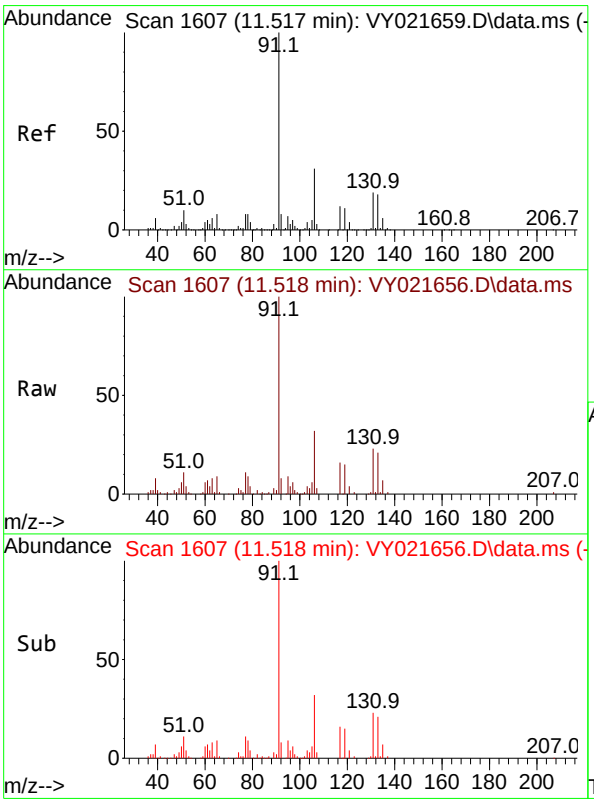
Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

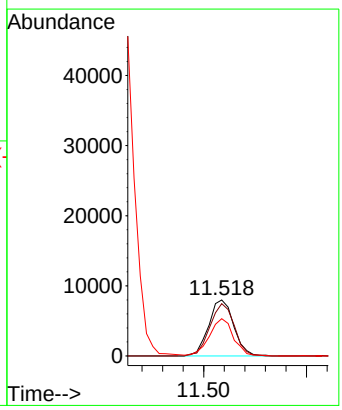
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

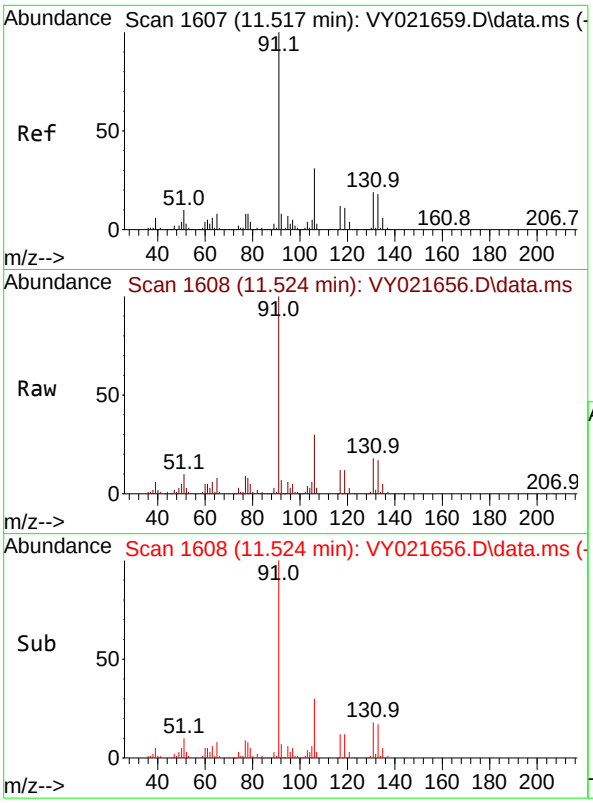


#66
1,1,1,2-Tetrachloroethane
Concen: 5.506 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:131 Resp: 13496

Ion	Ratio	Lower	Upper
131	100		
133	91.0	47.3	141.8
119	64.0	31.6	95.0

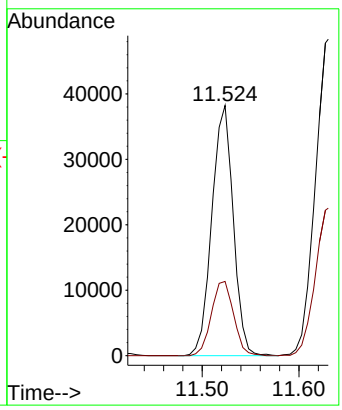




#67
Ethyl Benzene
Concen: 4.959 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 5875

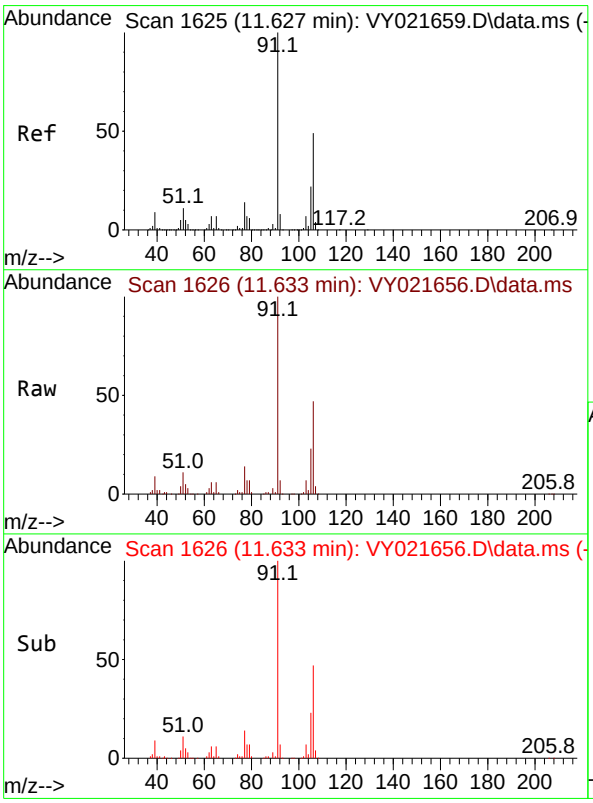
Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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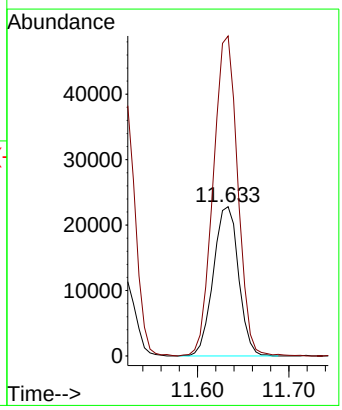
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

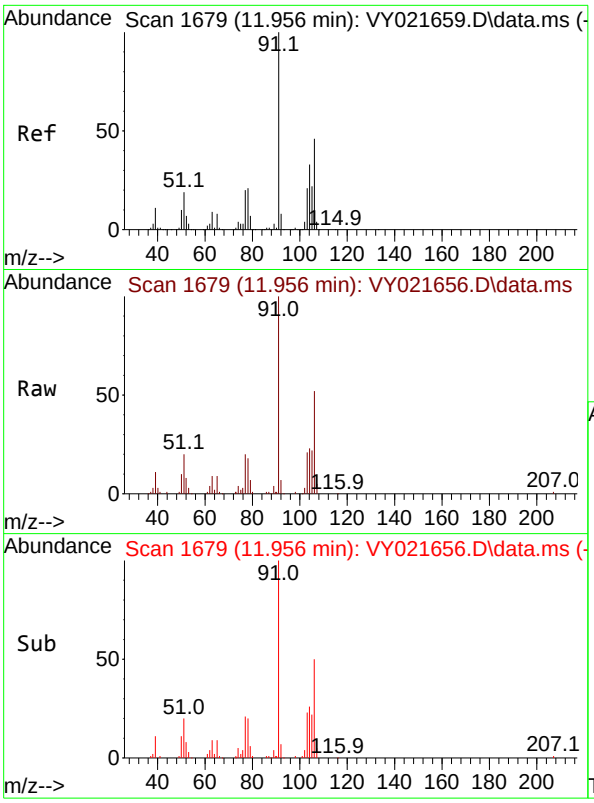


#68
m/p-Xylenes
Concen: 9.652 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:106 Resp: 43785

Ion	Ratio	Lower	Upper
106	100		
91	208.3	162.4	243.6

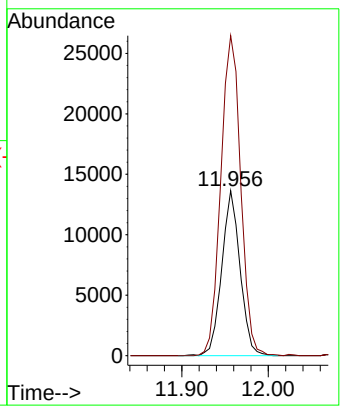




#69
o-Xylene
Concen: 4.786 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:106 Resp: 2004

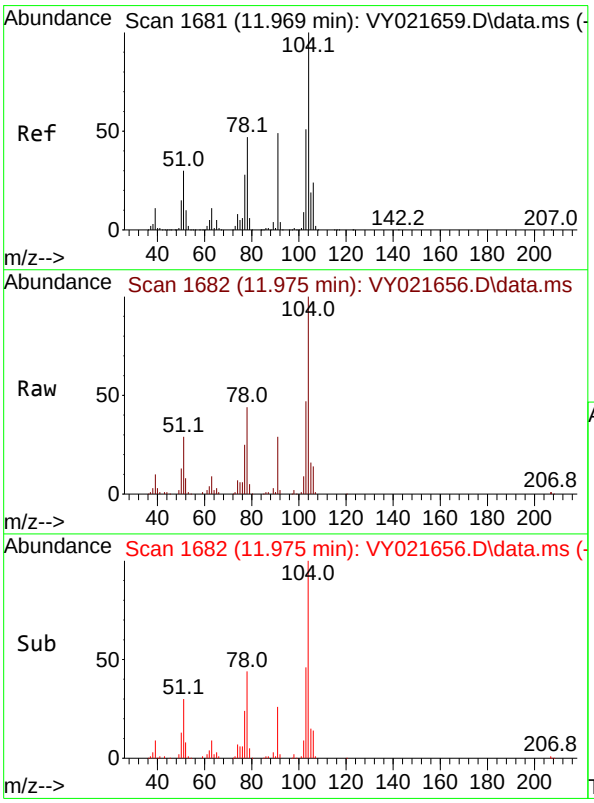
Ion	Ratio	Lower	Upper
106	100		
91	210.7	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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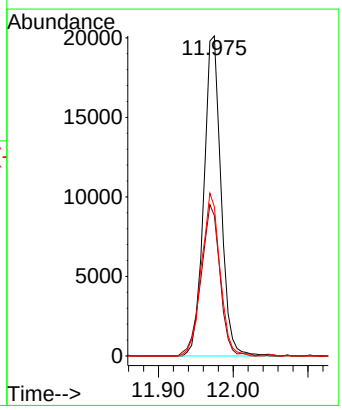
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

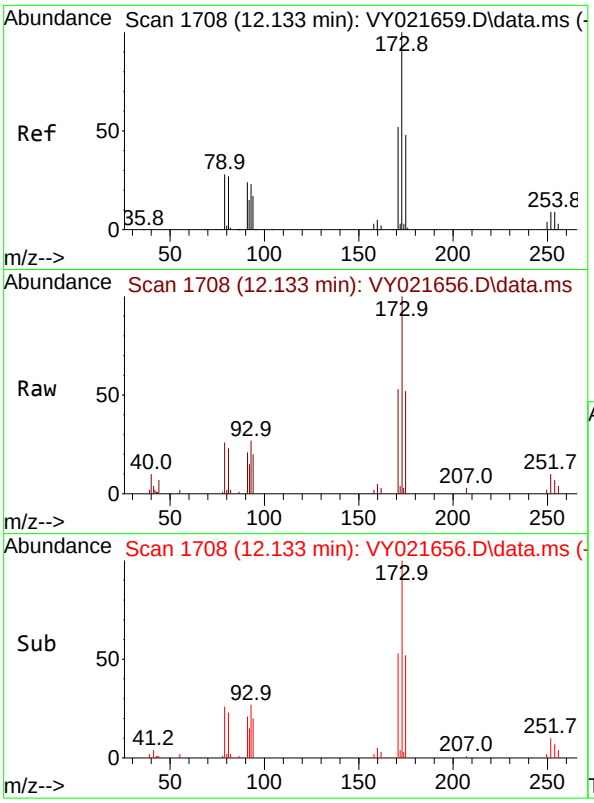


#70
Styrene
Concen: 4.594 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:104 Resp: 32075

Ion	Ratio	Lower	Upper
104	100		
78	52.0	40.8	61.2
103	54.8	44.2	66.2

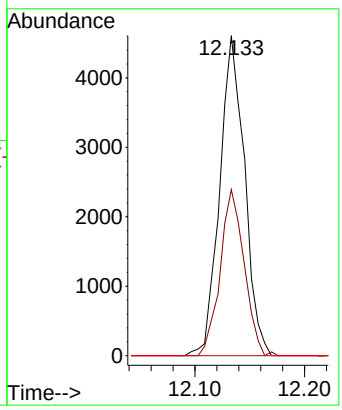




#71
Bromoform
Concen: 5.187 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

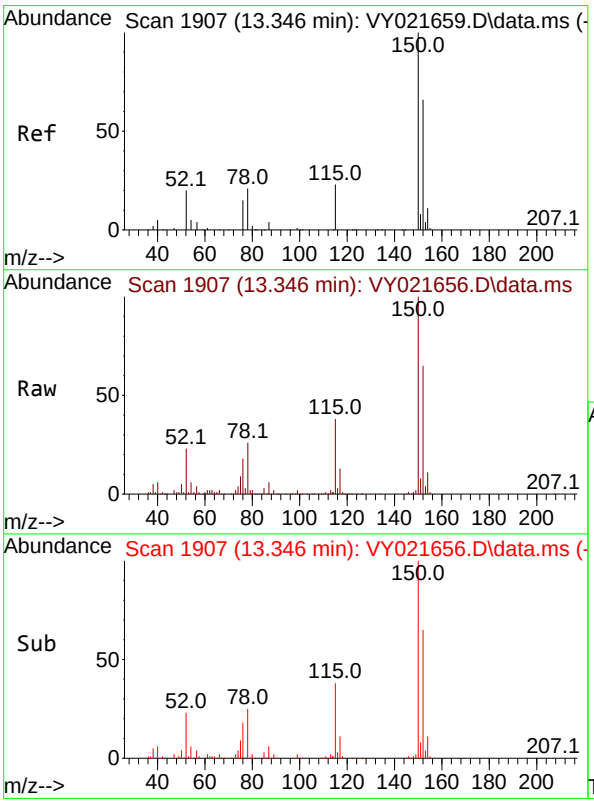
Tgt Ion:173 Resp: 725

Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	73.0
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

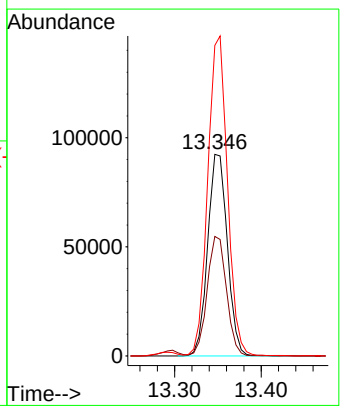
Manual Integrations APPROVED
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

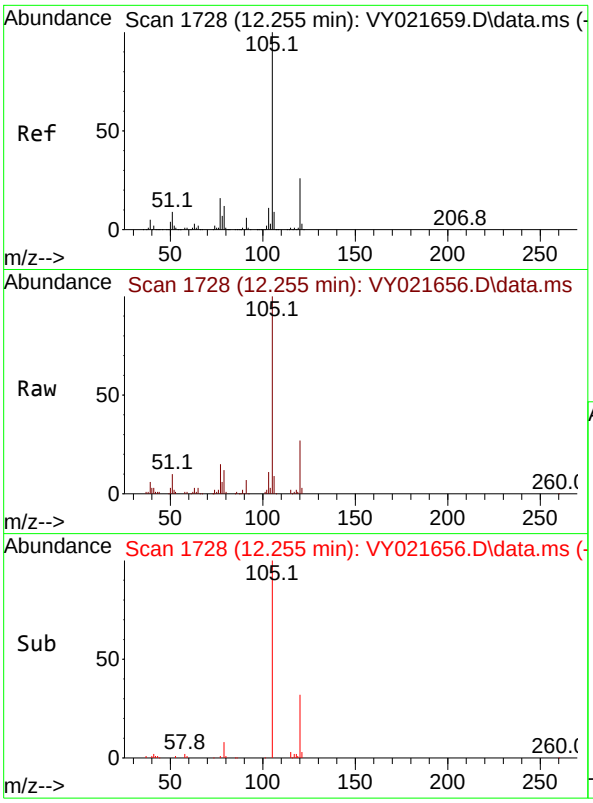


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:152 Resp: 145682

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.5
150	158.9	0.0	348.4

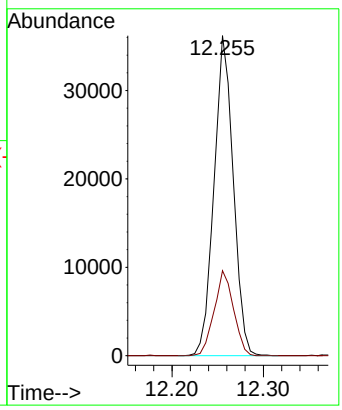




#73
Isopropylbenzene
Concen: 4.885 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:105 Resp: 5286

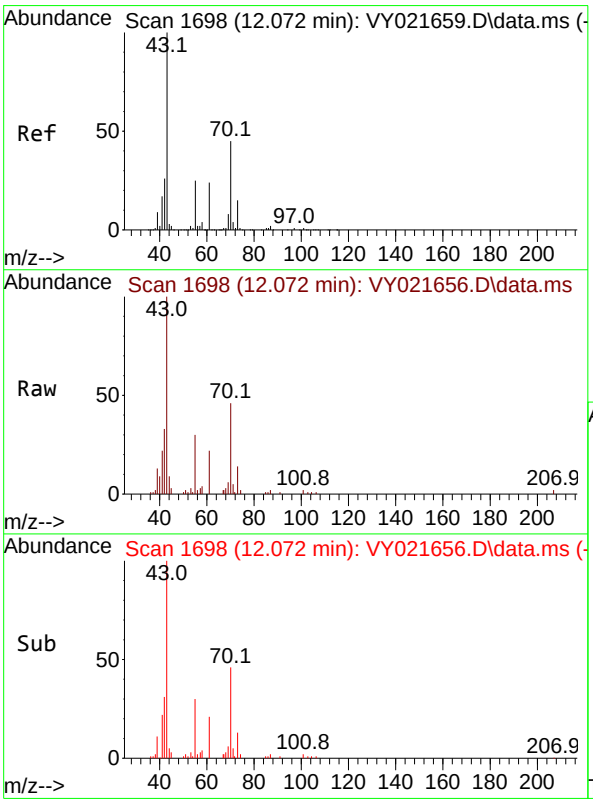
Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

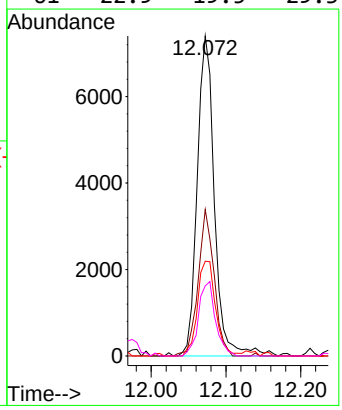
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

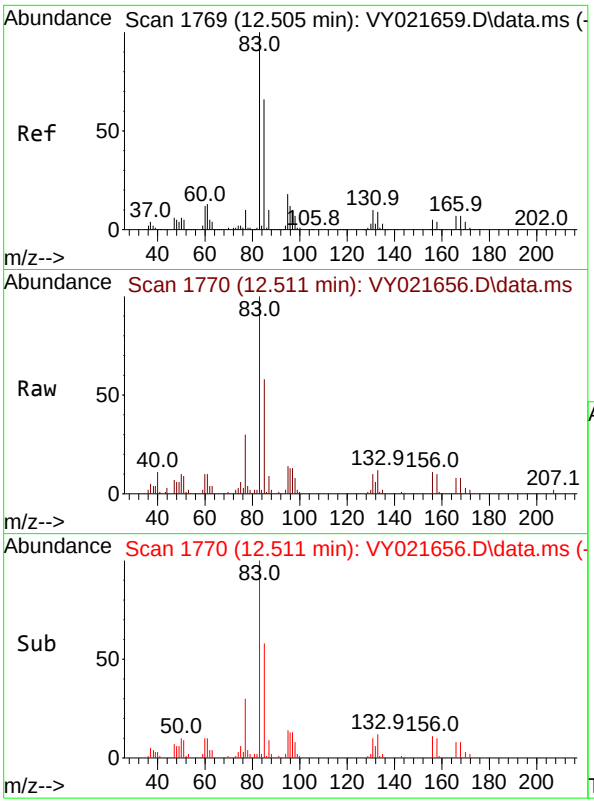


#74
N-amyl acetate
Concen: 4.660 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 43 Resp: 11835

Ion	Ratio	Lower	Upper
43	100		
70	42.3	34.7	52.1
55	31.4	21.2	31.8
61	22.9	19.5	29.3





#75
1,1,2,2-Tetrachloroethane
Concen: 5.723 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

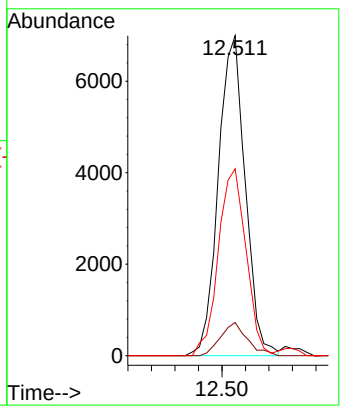
Tgt Ion: 83 Resp: 1113

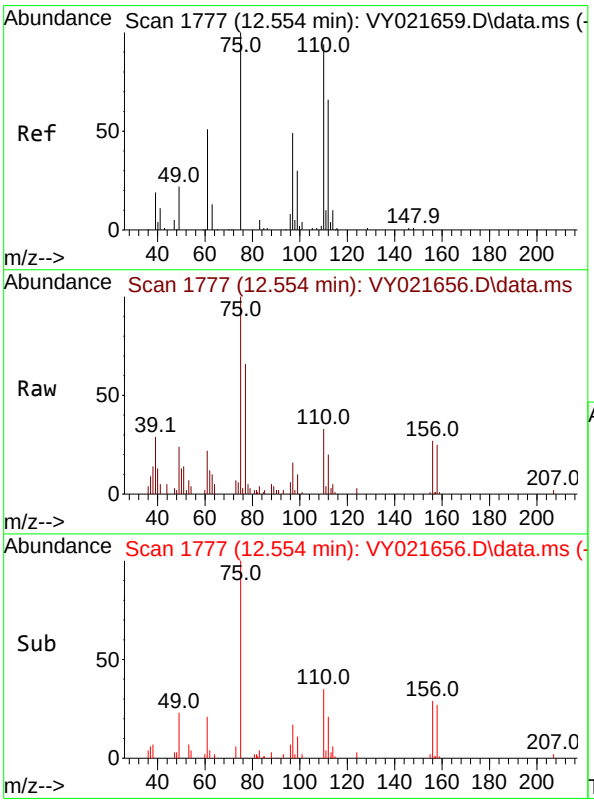
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	60.1	32.3	96.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

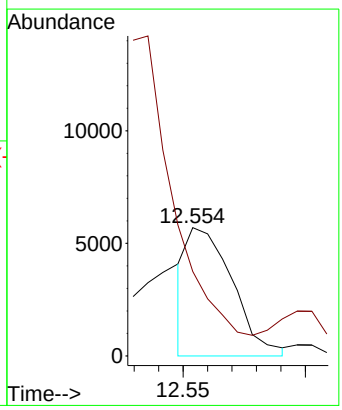


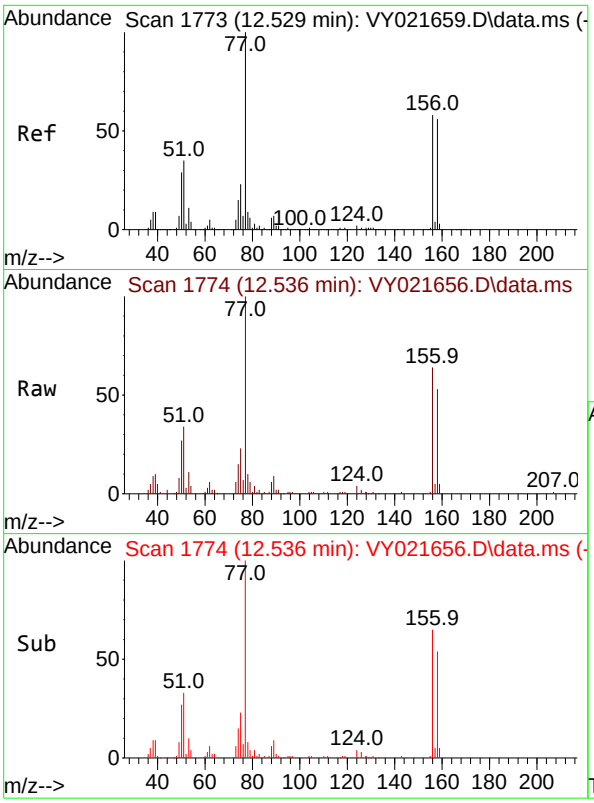


#76
1,2,3-Trichloropropane
Concen: 5.106 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 7373

Ion	Ratio	Lower	Upper
75	100		
77	351.5	0.0	0.0#

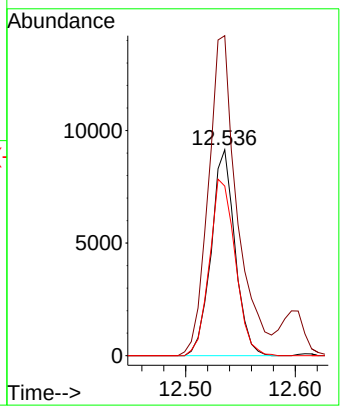




#77
Bromobenzene
Concen: 5.305 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:156 Resp: 1378

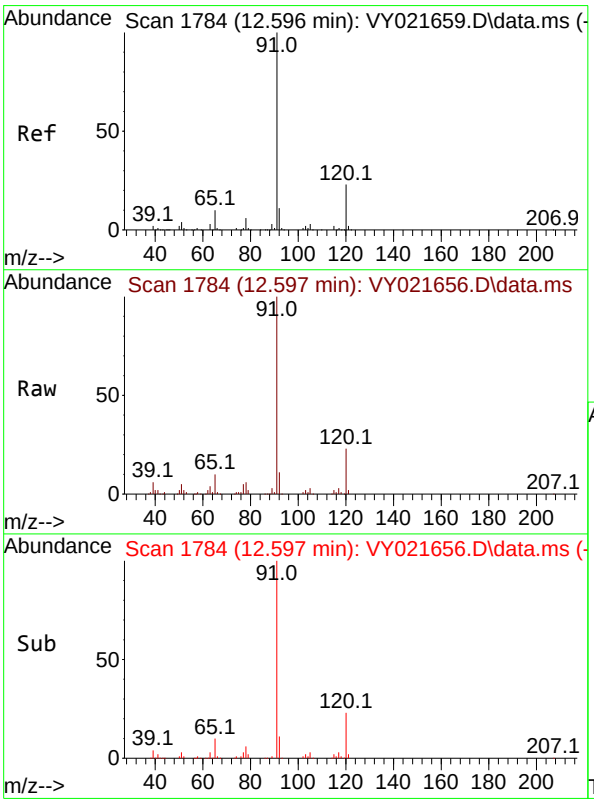
Ion	Ratio	Lower	Upper
156	100		
77	188.0	92.8	278.3
158	93.2	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

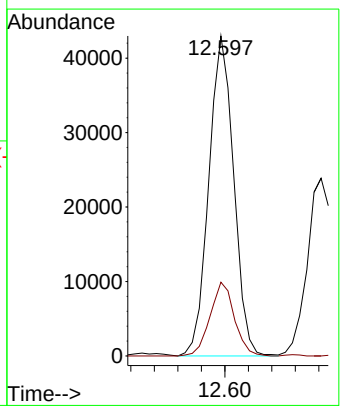
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

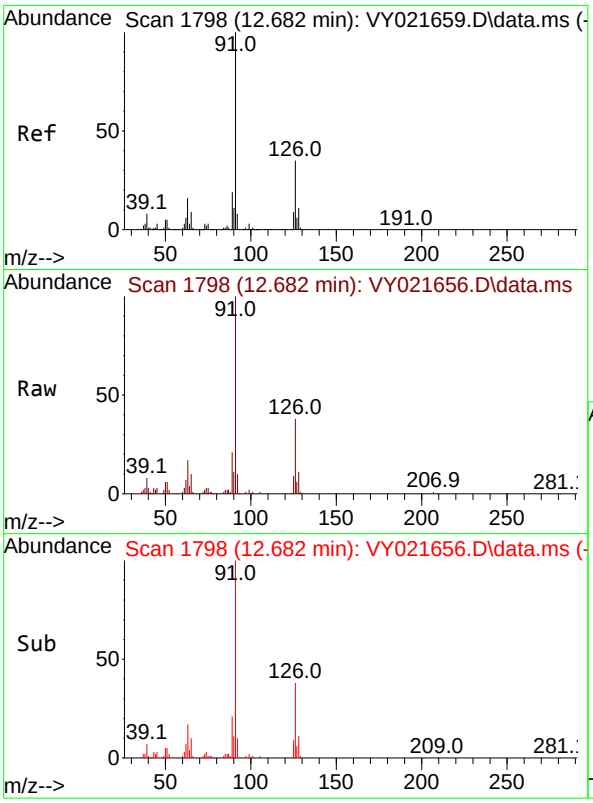


#78
n-propylbenzene
Concen: 4.868 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 63324

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9

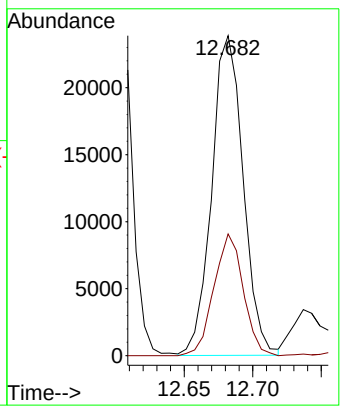




#79
2-Chlorotoluene
Concen: 5.044 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 3810

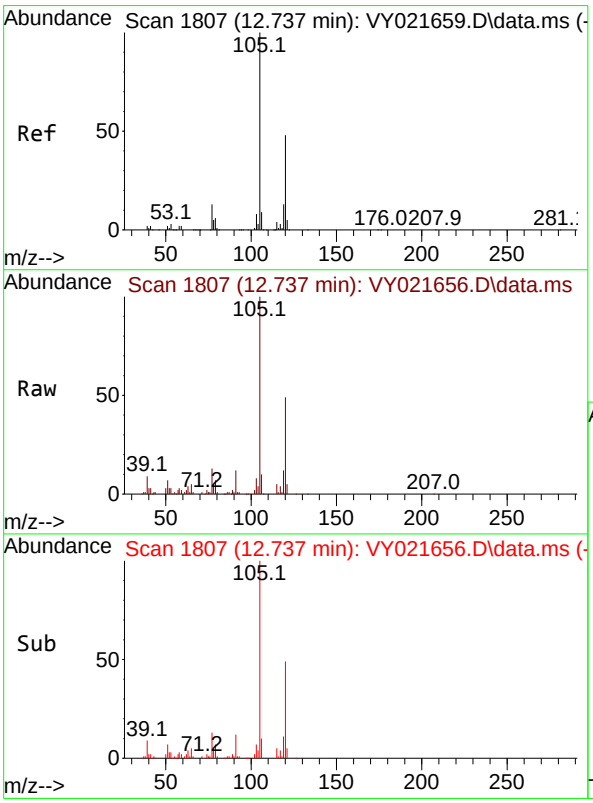
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

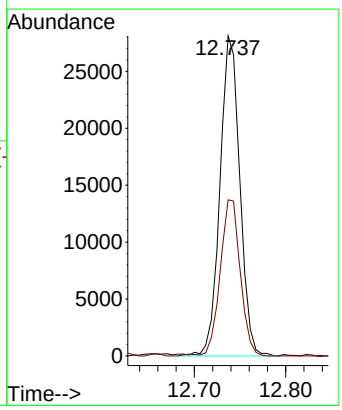
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

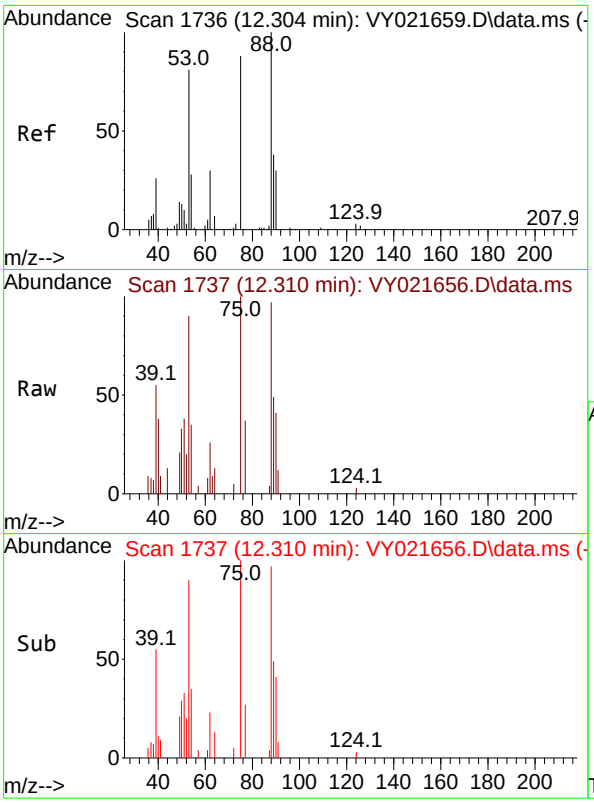


#80
1,3,5-Trimethylbenzene
Concen: 4.806 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:105 Resp: 42499

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.5	73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 4.823 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

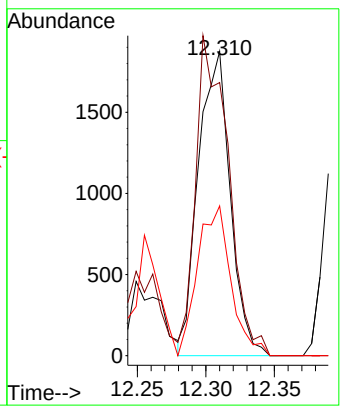
Tgt Ion: 75 Resp: 302

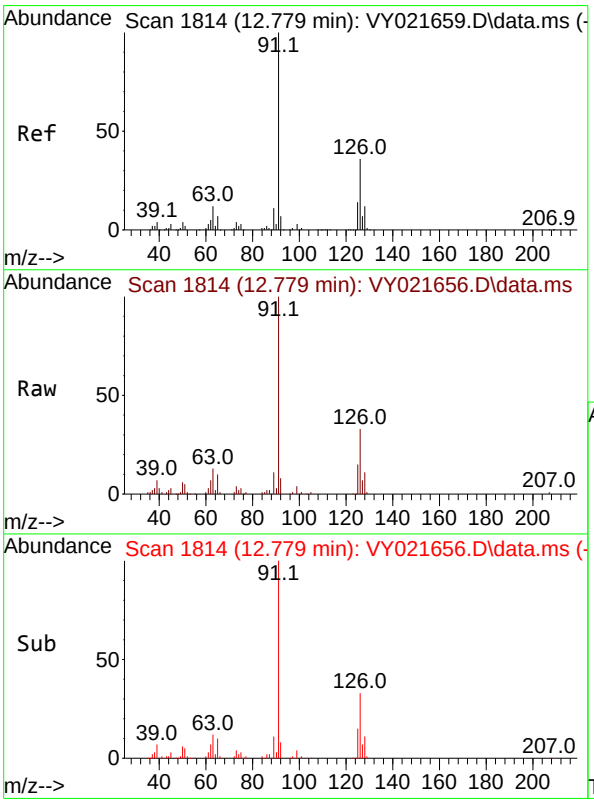
Ion	Ratio	Lower	Upper
75	100		
53	107.4	76.1	114.1
89	51.7	36.2	54.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

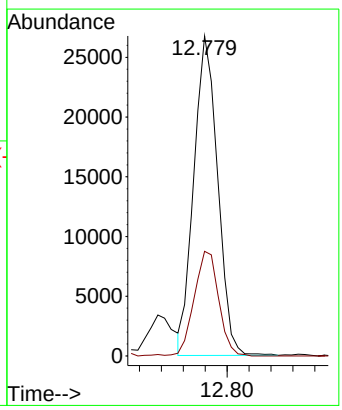


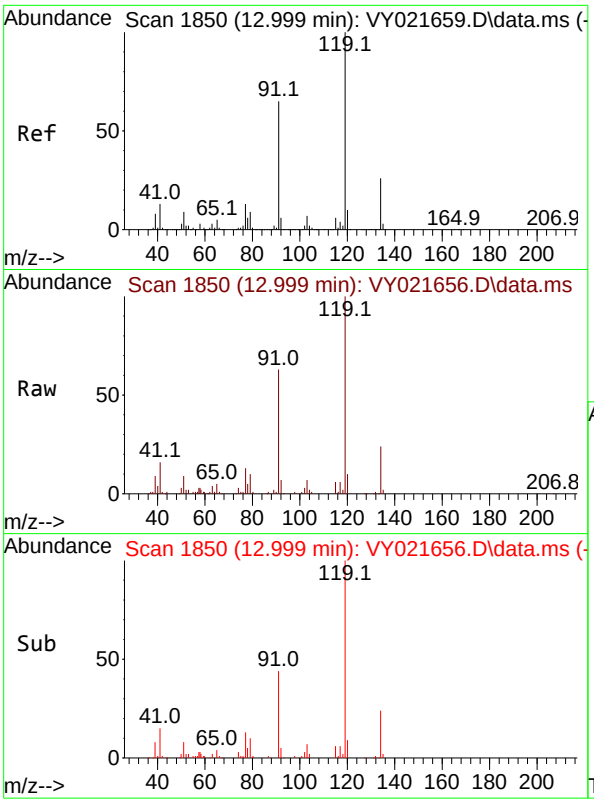


#82
4-Chlorotoluene
Concen: 5.119 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 40326

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9

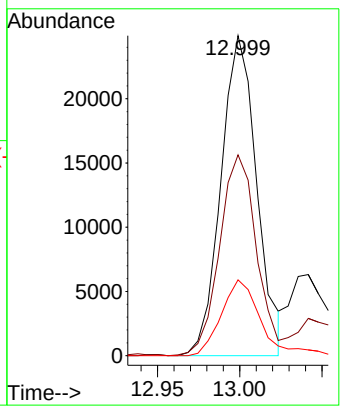




#83
tert-Butylbenzene
Concen: 4.801 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:119 Resp: 3781

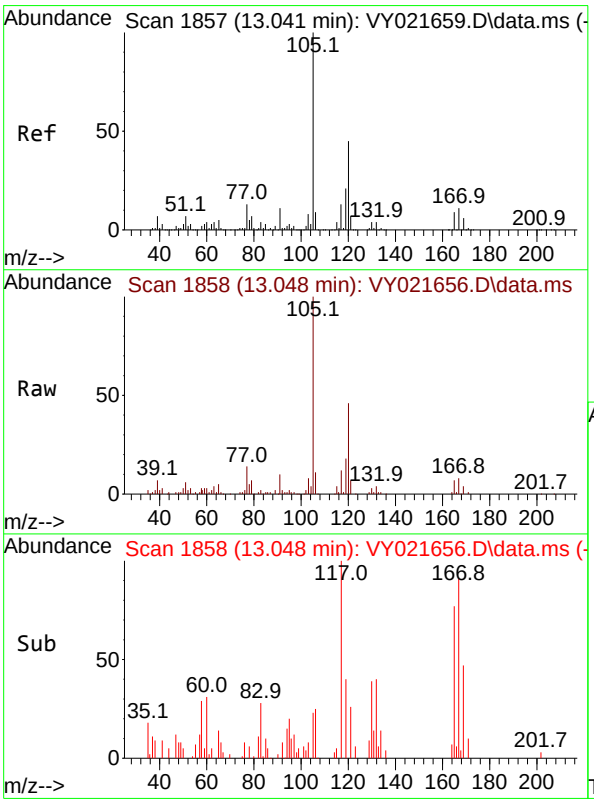
Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.6	97.7
134	26.1	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

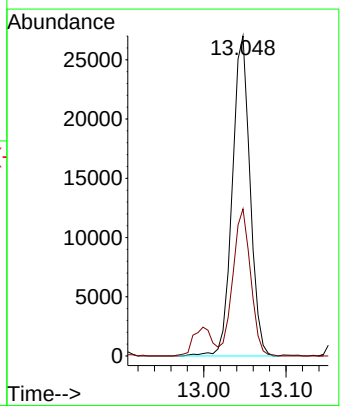
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

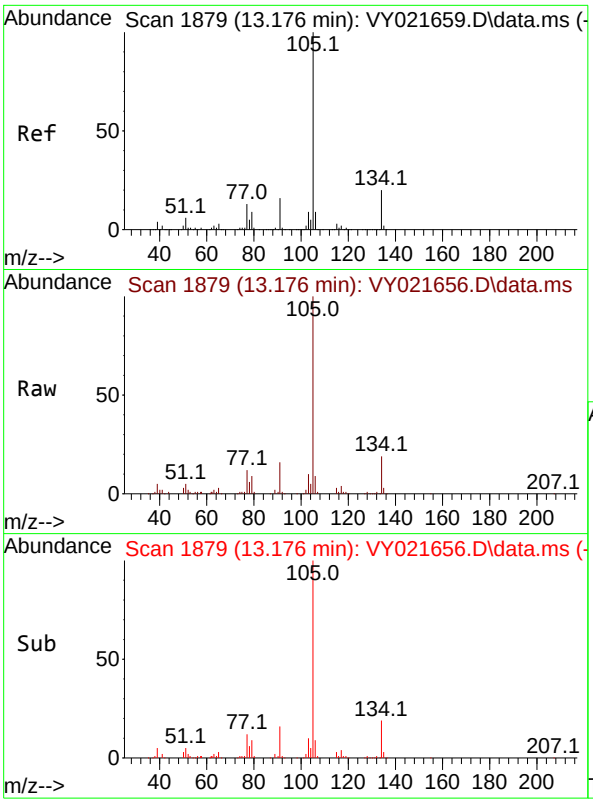


#84
1,2,4-Trimethylbenzene
Concen: 4.639 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:105 Resp: 40547

Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.7	68.1





#85
sec-Butylbenzene
Concen: 4.858 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

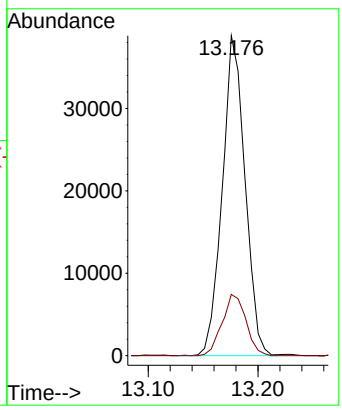
Tgt Ion:105 Resp: 5591

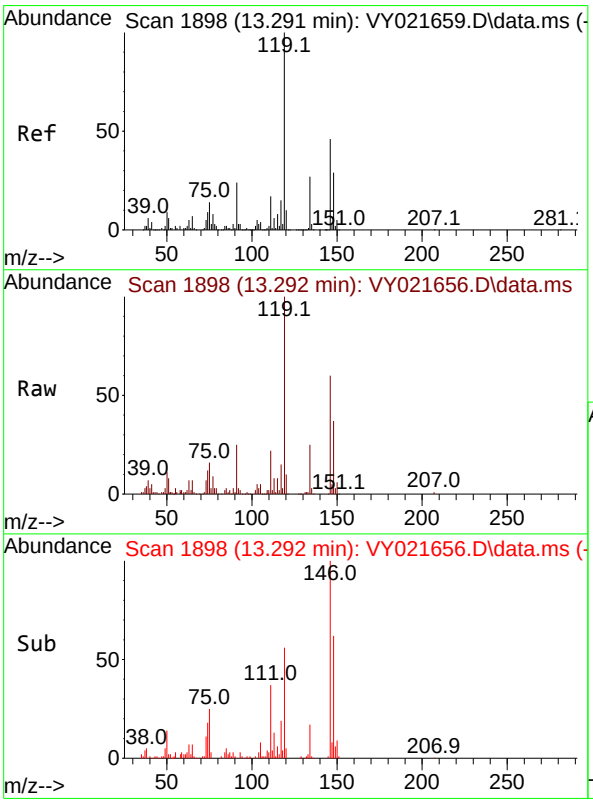
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

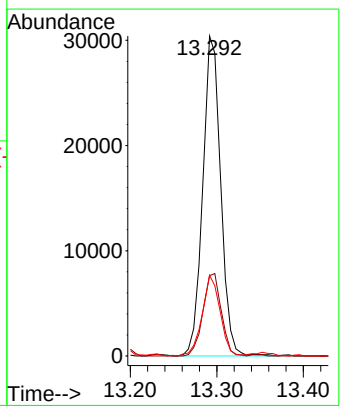


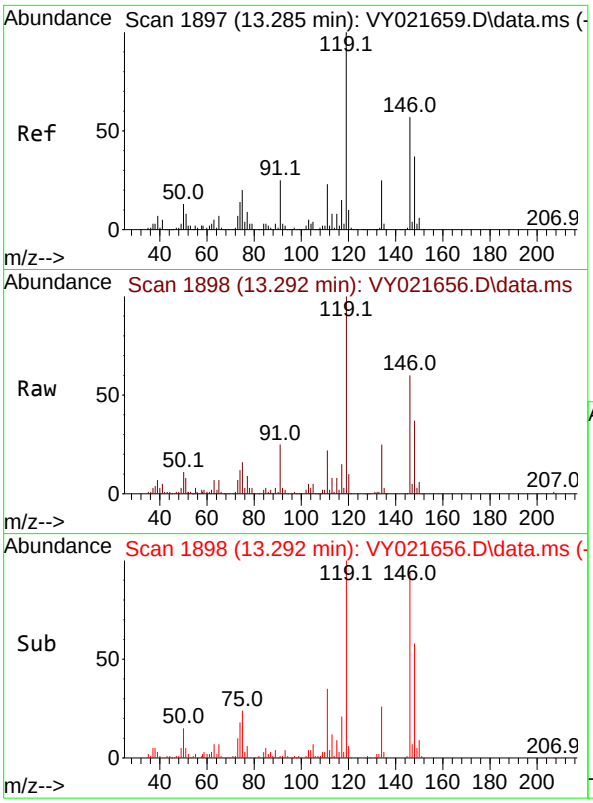


#86
p-Isopropyltoluene
Concen: 4.595 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:119 Resp: 43714

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	25.2	12.0	36.0

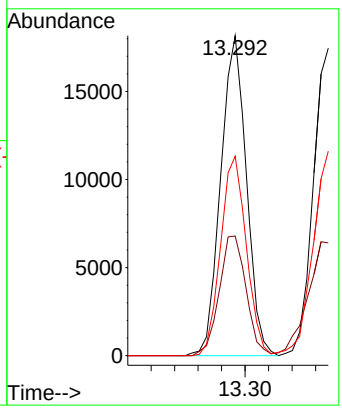




#87
1,3-Dichlorobenzene
Concen: 5.393 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:146 Resp: 2760

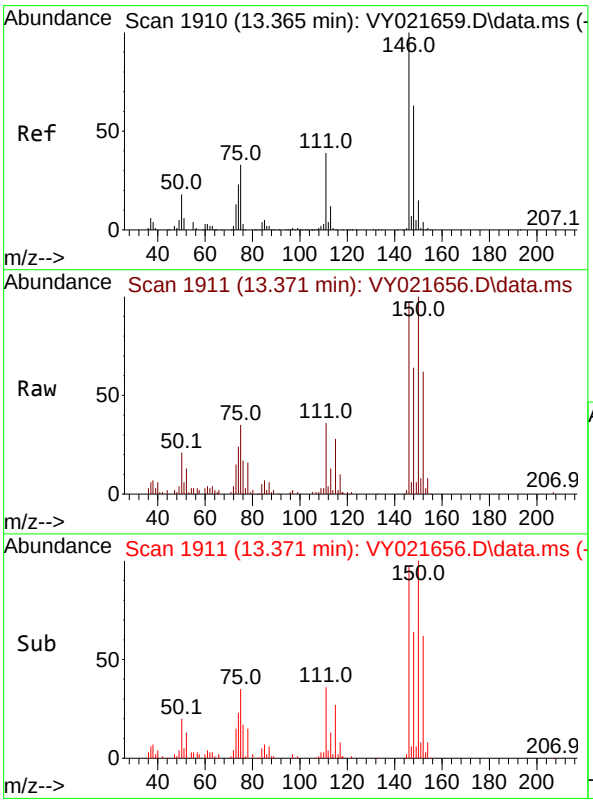
Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	62.4	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

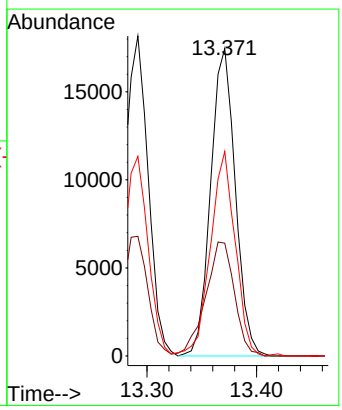
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

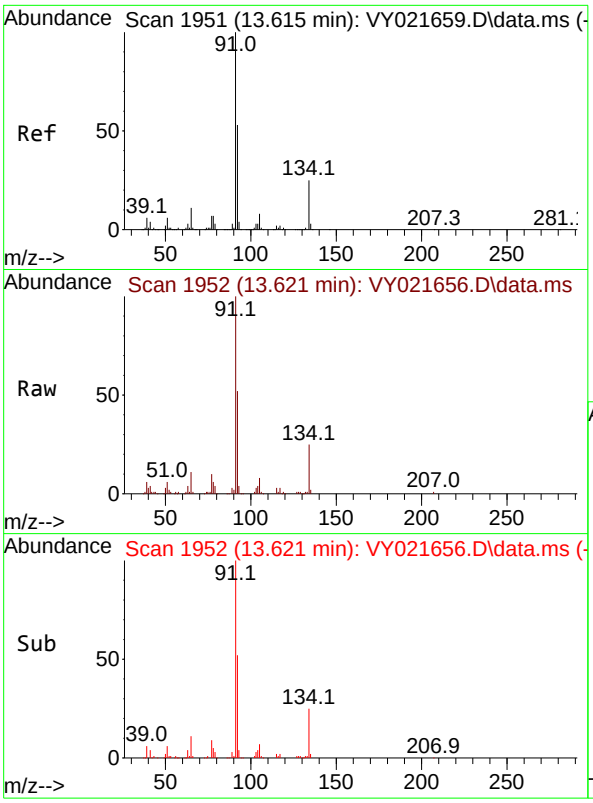


#88
1,4-Dichlorobenzene
Concen: 5.405 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:146 Resp: 27332

Ion	Ratio	Lower	Upper
146	100		
111	43.4	19.1	57.1
148	66.9	31.5	94.5

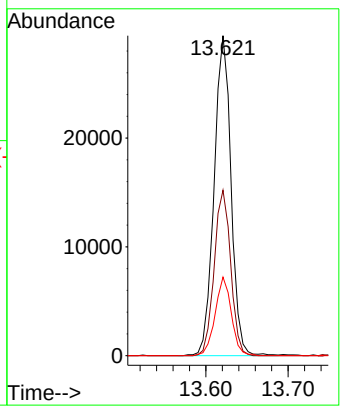




#89
n-Butylbenzene
Concen: 4.785 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 91 Resp: 4210

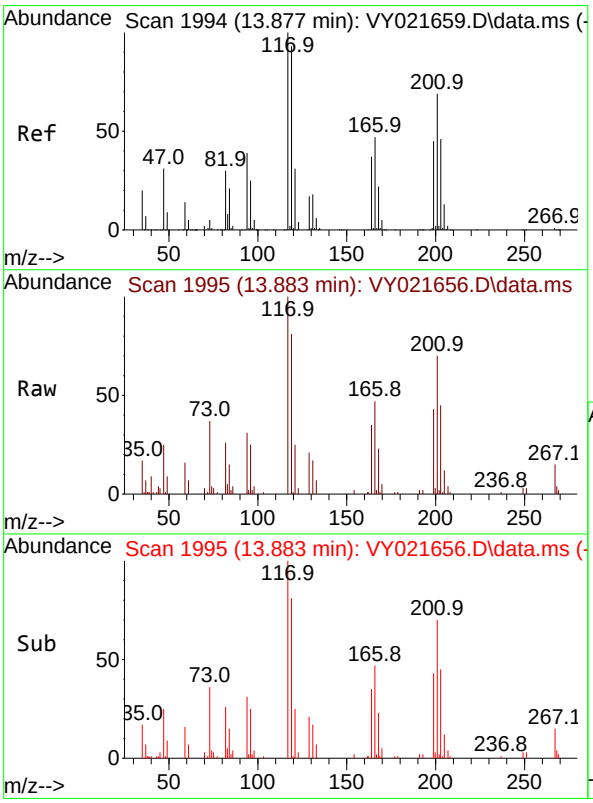
Ion	Ratio	Lower	Upper
91	100		
92	50.2	26.4	79.2
134	23.5	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

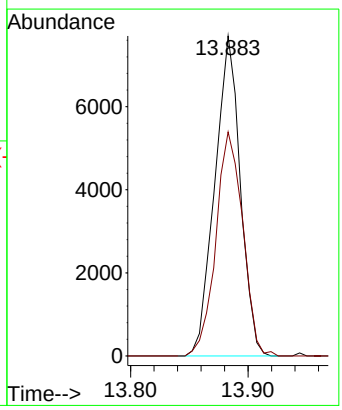
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

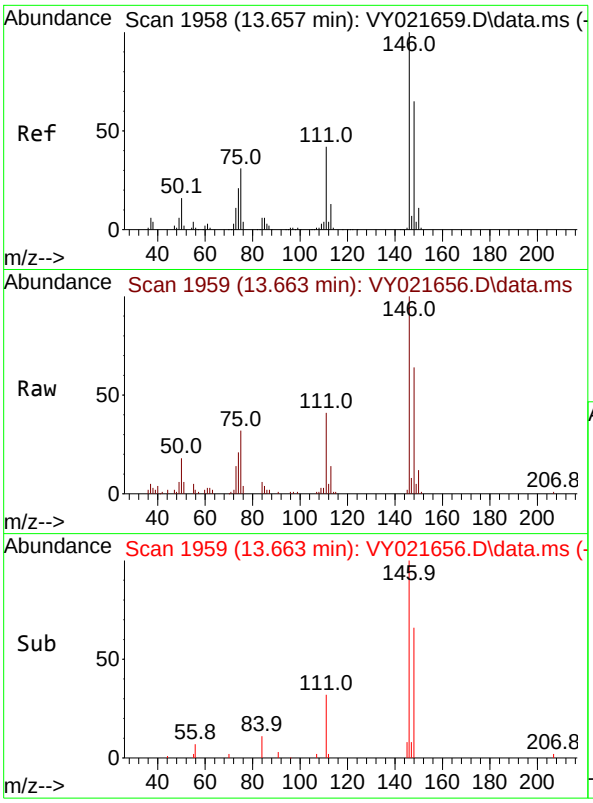


#90
Hexachloroethane
Concen: 5.573 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:117 Resp: 11619

Ion	Ratio	Lower	Upper
117	100		
201	73.9	37.4	112.1

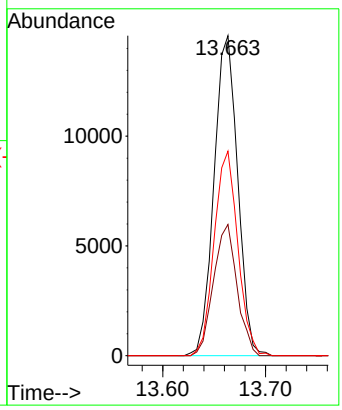




#91
1,2-Dichlorobenzene
Concen: 5.224 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:146 Resp: 2327

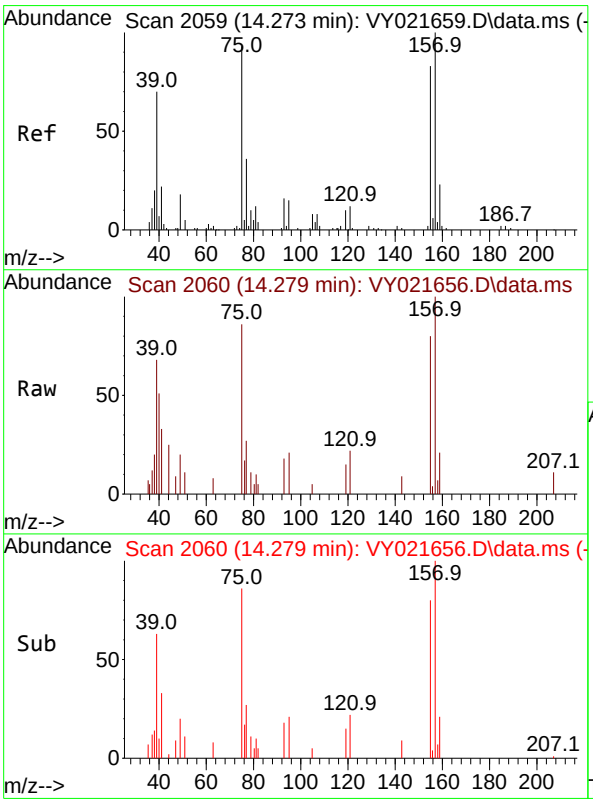
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.7	62.1
148	64.1	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

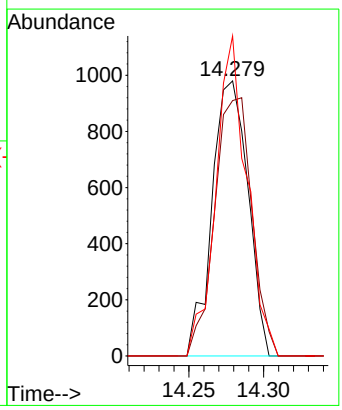
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

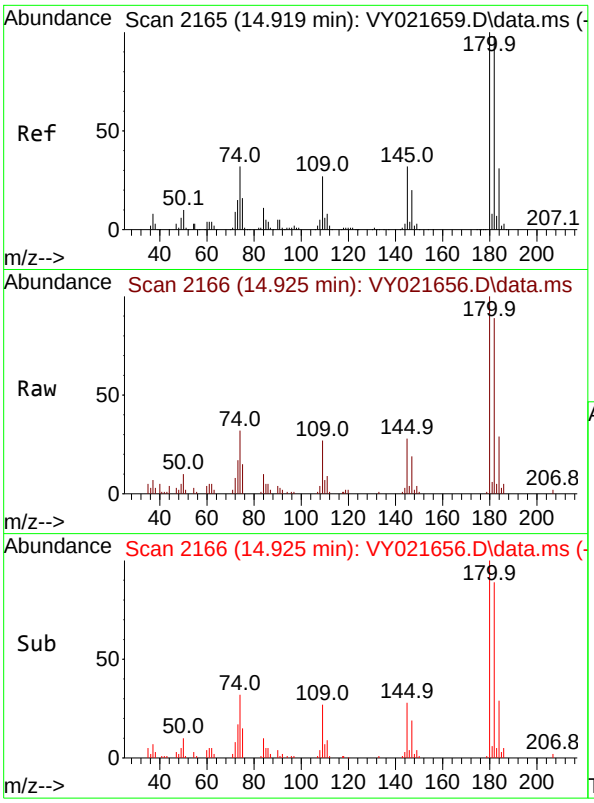


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.419 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion: 75 Resp: 1634

Ion	Ratio	Lower	Upper
75	100		
155	97.6	43.0	128.8
157	100.8	54.0	162.0

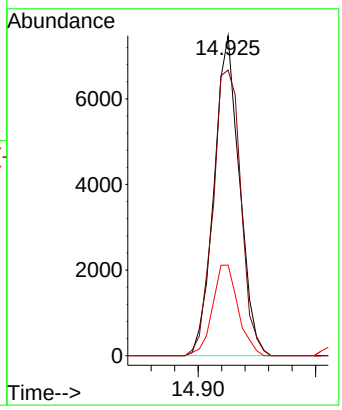




#93
1,2,4-Trichlorobenzene
Concen: 4.647 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:180 Resp: 1122

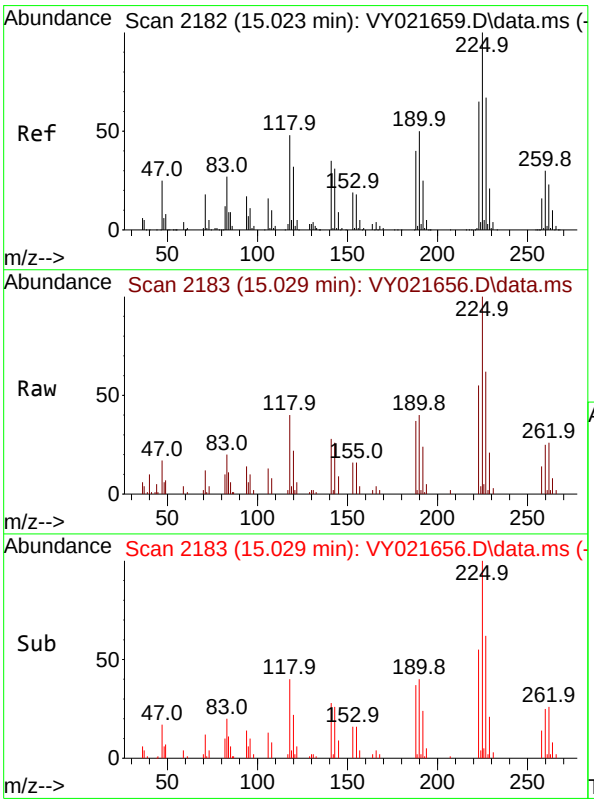
Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.5	142.6
145	28.5	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

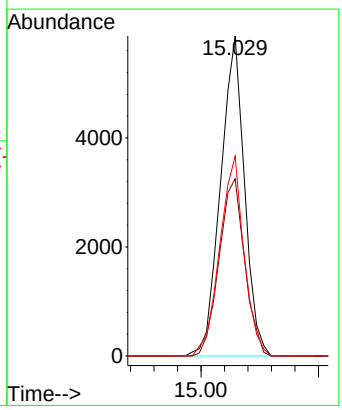
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

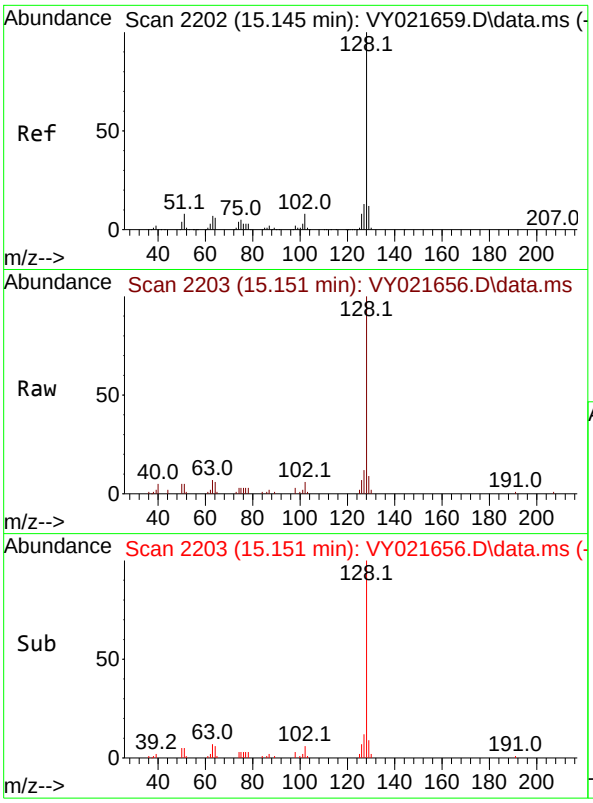


#94
Hexachlorobutadiene
Concen: 5.484 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:225 Resp: 8276

Ion	Ratio	Lower	Upper
225	100		
223	59.2	31.9	95.7
227	63.5	32.4	97.0

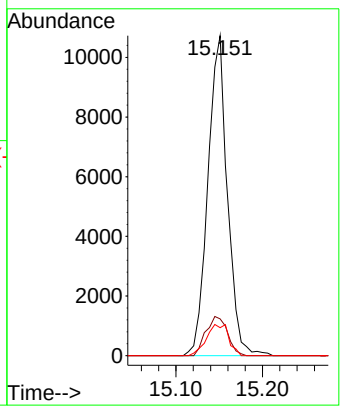




#95
Naphthalene
Concen: 4.194 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:128 Resp: 1679

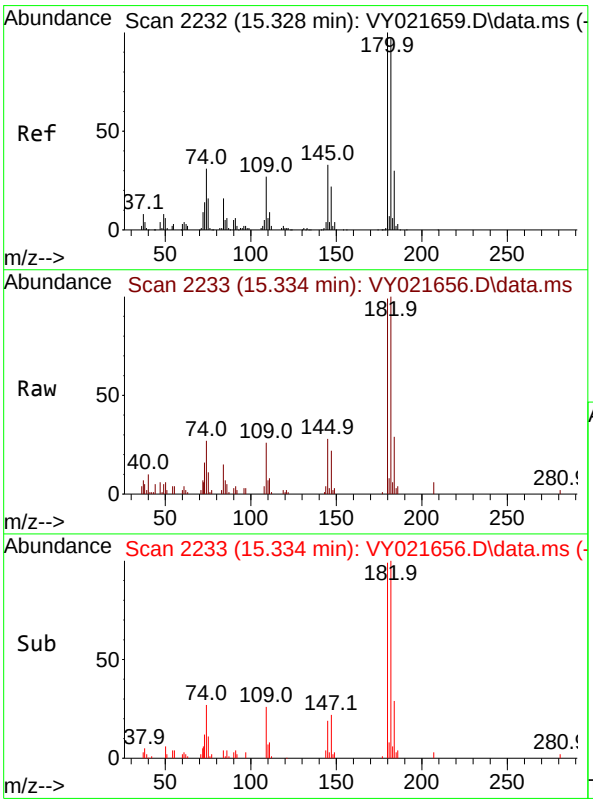
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.2	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

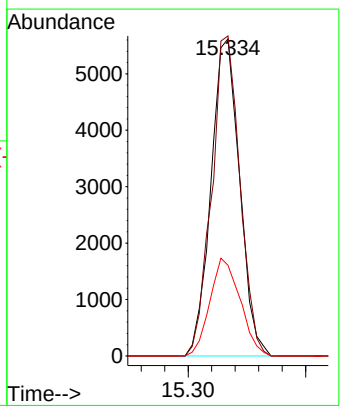
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.619 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021656.D
Acq: 27 Mar 2025 10:08

Tgt Ion:180 Resp: 9518

Ion	Ratio	Lower	Upper
180	100		
182	99.4	47.5	142.5
145	32.5	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	225523	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	354785	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	311737	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152005	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	25195	10.311	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.620%#			
35) Dibromofluoromethane	7.634	113	22797	9.906	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.820%#			
50) Toluene-d8	10.103	98	88000	10.051	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.100%#			
62) 4-Bromofluorobenzene	12.408	95	29125	9.835	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.660%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	26017	11.130	ug/l		99
3) Chloromethane	2.068	50	34949	10.633	ug/l		99
4) Vinyl Chloride	2.202	62	39982	10.756	ug/l		96
5) Bromomethane	2.592	94	27670	10.914	ug/l		97
6) Chloroethane	2.733	64	25703	10.567	ug/l		98
7) Trichlorofluoromethane	3.056	101	50711	10.650	ug/l		100
8) Diethyl Ether	3.452	74	13940	10.765	ug/l		95
9) 1,1,2-Trichlorotrifluo...	3.818	101	27088	10.786	ug/l		98
10) Methyl Iodide	4.001	142	26193	9.507	ug/l		99
11) Tert butyl alcohol	4.860	59	8671	54.634	ug/l	#	87
12) 1,1-Dichloroethene	3.793	96	25446	10.757	ug/l		88
13) Acrolein	3.653	56	15799	54.518	ug/l		100
14) Allyl chloride	4.379	41	39045	10.352	ug/l		97
15) Acrylonitrile	5.055	53	28866	53.389	ug/l		98
16) Acetone	3.867	43	27669	55.329	ug/l		99
17) Carbon Disulfide	4.104	76	82458	10.583	ug/l	#	94
18) Methyl Acetate	4.385	43	12911	10.417	ug/l		100
19) Methyl tert-butyl Ether	5.110	73	60205	10.223	ug/l		98
20) Methylene Chloride	4.616	84	31313	9.677	ug/l		97
21) trans-1,2-Dichloroethene	5.110	96	27407	10.523	ug/l		96
22) Diisopropyl ether	6.012	45	79874	10.095	ug/l		93
23) Vinyl Acetate	5.958	43	233596	50.469	ug/l		98
24) 1,1-Dichloroethane	5.915	63	49217	10.403	ug/l		98
25) 2-Butanone	6.890	43	37356	52.299	ug/l		97
26) 2,2-Dichloropropane	6.884	77	43412	10.316	ug/l		99
27) cis-1,2-Dichloroethene	6.890	96	29699	10.140	ug/l		100
28) Bromochloromethane	7.244	49	21186	10.618	ug/l		99
29) Tetrahydrofuran	7.262	42	25111	54.625	ug/l		97
30) Chloroform	7.421	83	51464	10.459	ug/l		98
31) Cyclohexane	7.701	56	46569	10.798	ug/l	#	90
32) 1,1,1-Trichloroethane	7.616	97	45673	10.270	ug/l		98
36) 1,1-Dichloropropene	7.835	75	36121	10.304	ug/l		99
37) Ethyl Acetate	6.988	43	18146	10.969	ug/l		98
38) Carbon Tetrachloride	7.817	117	42141	10.496	ug/l		98
39) Methylcyclohexane	9.103	83	42492	10.147	ug/l		98
40) Benzene	8.079	78	108360	10.322	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	9343m	10.635	ug/l		
42) 1,2-Dichloroethane	8.158	62	31606	10.679	ug/l		100
43) Isopropyl Acetate	8.195	43	33664	10.738	ug/l	#	87
44) Trichloroethene	8.866	130	28275	10.571	ug/l		95
45) 1,2-Dichloropropane	9.140	63	25943	10.440	ug/l		99
46) Dibromomethane	9.231	93	15605	10.896	ug/l		94
47) Bromodichloromethane	9.427	83	38737	10.439	ug/l		99
48) Methyl methacrylate	9.219	41	14576	10.130	ug/l		98
49) 1,4-Dioxane	9.231	88	3077	200.565	ug/l		89
51) 4-Methyl-2-Pentanone	10.000	43	85020	52.111	ug/l		98
52) Toluene	10.170	92	66889	10.212	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	33356	10.120	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	39609	10.186	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	20050	10.879	ug/l		95
56) Ethyl methacrylate	10.439	69	21901	9.307	ug/l		96
57) 1,3-Dichloropropane	10.713	76	33316	10.467	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	54271	47.274	ug/l		98
59) 2-Hexanone	10.762	43	54649	50.295	ug/l		100
60) Dibromochloromethane	10.914	129	26032	10.346	ug/l		94
61) 1,2-Dibromoethane	11.018	107	17722	10.251	ug/l		97
64) Tetrachloroethene	10.646	164	31334	11.036	ug/l		93
65) Chlorobenzene	11.444	112	73433	10.276	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	25506	10.060	ug/l		97
67) Ethyl Benzene	11.518	91	119480	9.750	ug/l		98
68) m/p-Xylenes	11.627	106	93887	20.009	ug/l		99
69) o-Xylene	11.957	106	41768	9.643	ug/l		98
70) Styrene	11.969	104	69196	9.581	ug/l		99
71) Bromoform	12.127	173	14887	10.294	ug/l	#	98
73) Isopropylbenzene	12.255	105	112512	9.966	ug/l		100
74) N-amyl acetate	12.072	43	26259	9.910	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	21883	10.781	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	17026m	11.300	ug/l		
77) Bromobenzene	12.530	156	27648	10.199	ug/l		98
78) n-propylbenzene	12.597	91	135498	9.983	ug/l		99
79) 2-Chlorotoluene	12.682	91	80079	10.158	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	91235	9.888	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	6899	10.550	ug/l		99
82) 4-Chlorotoluene	12.780	91	83484	10.157	ug/l		100
83) tert-Butylbenzene	12.999	119	81296	9.892	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	90142	9.884	ug/l		100
85) sec-Butylbenzene	13.176	105	121575	10.122	ug/l		99
86) p-Isopropyltoluene	13.292	119	97092	9.781	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	53929	10.098	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	54536	10.336	ug/l		95
89) n-Butylbenzene	13.615	91	89162	9.712	ug/l		98
90) Hexachloroethane	13.877	117	21881	10.059	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	48845	10.506	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3387	10.766	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	23748	9.419	ug/l		99
94) Hexachlorobutadiene	15.023	225	15844	10.063	ug/l		99
95) Naphthalene	15.145	128	36711	8.785	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	20711	9.633	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

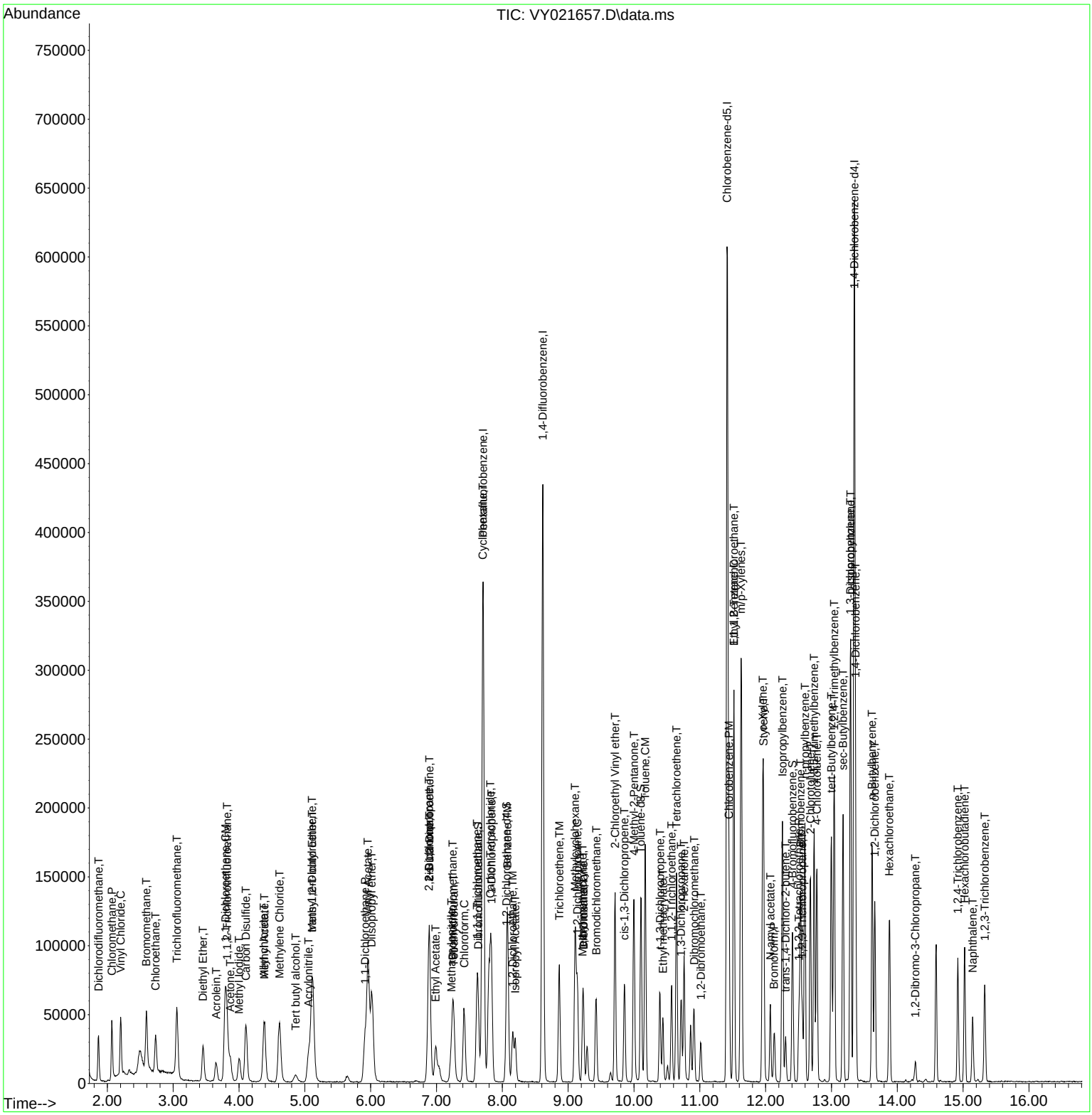
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021657.D
Acq On : 27 Mar 2025 10:31
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

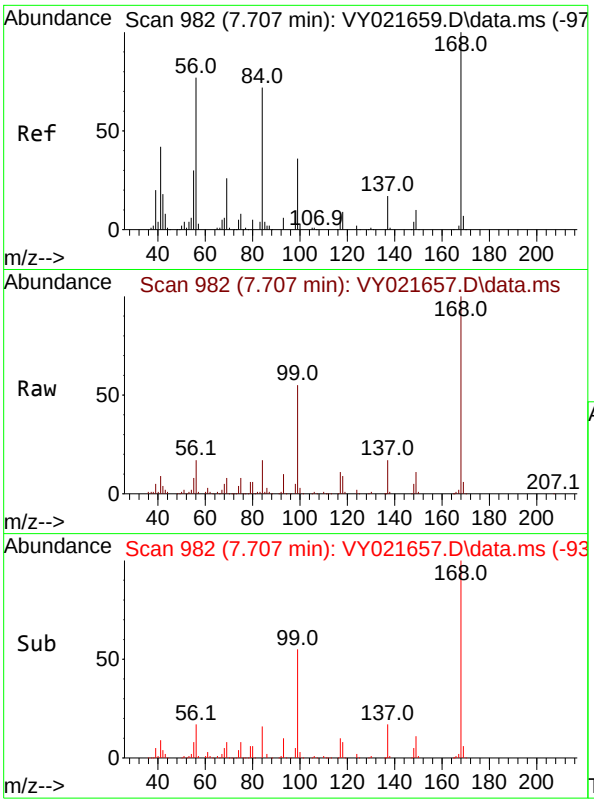
Quant Time: Mar 28 02:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

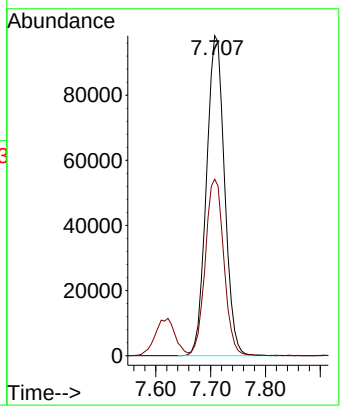




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:168 Resp: 22552

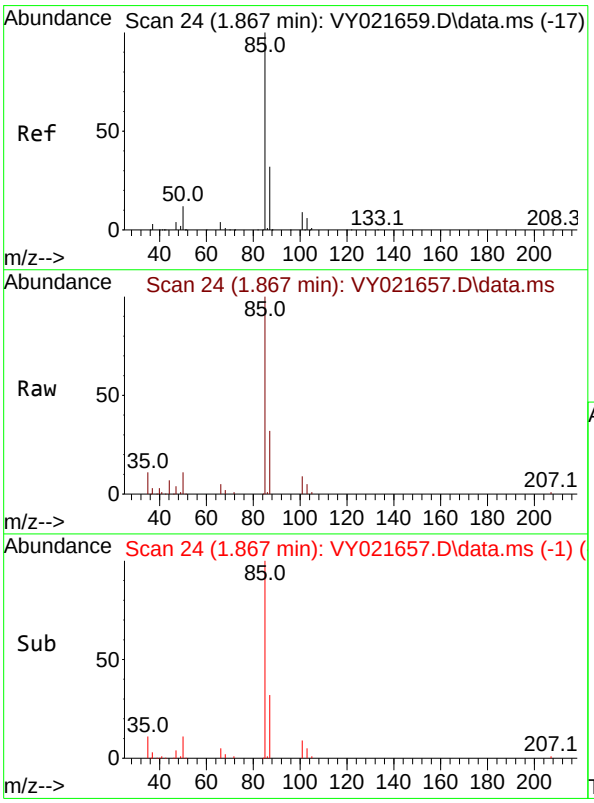
Ion	Ratio	Lower	Upper
168	100		
99	55.1	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

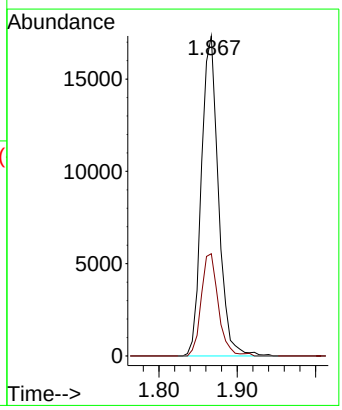
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

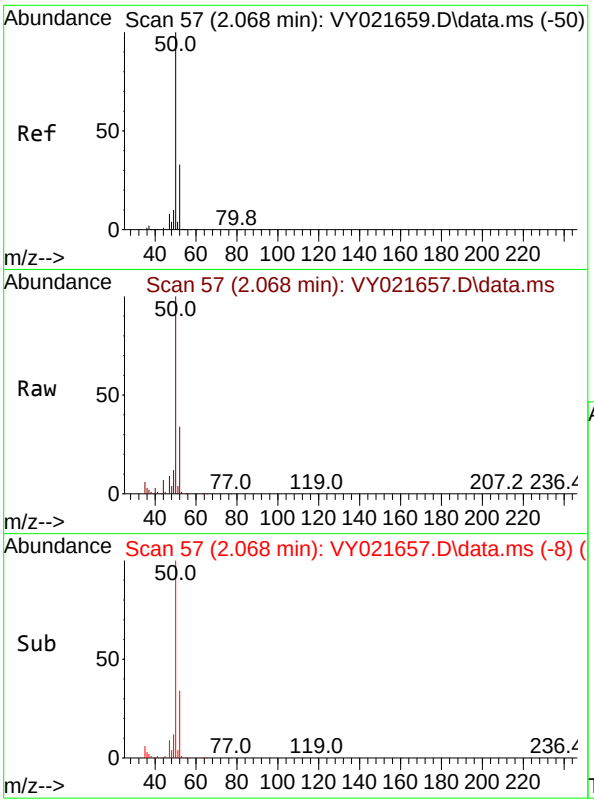


#2
Dichlorodifluoromethane
Concen: 11.130 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 85 Resp: 26017

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.6

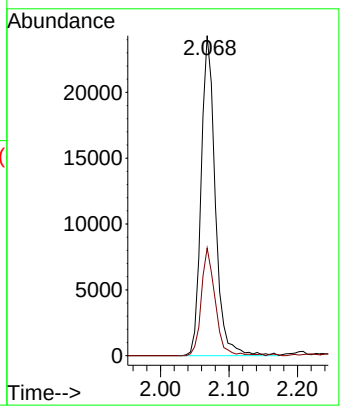




#3
Chloromethane
Concen: 10.633 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 50 Resp: 3494

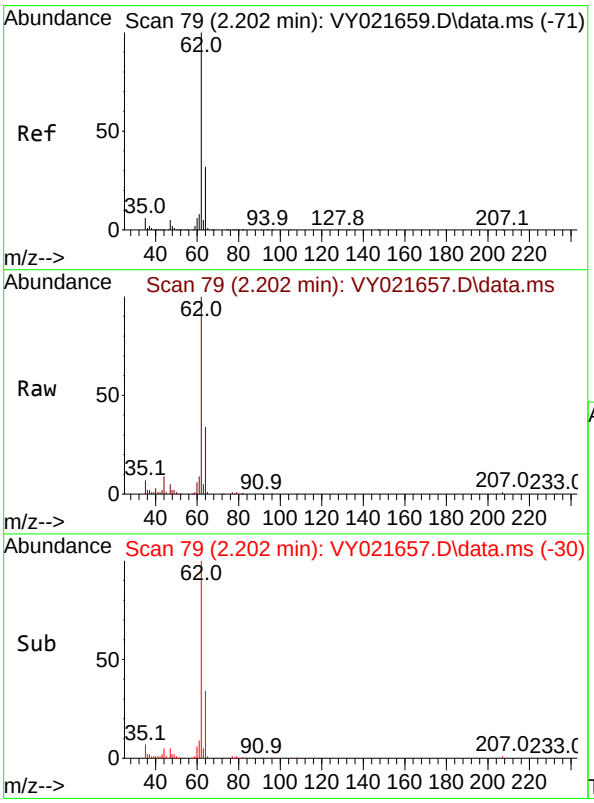
Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

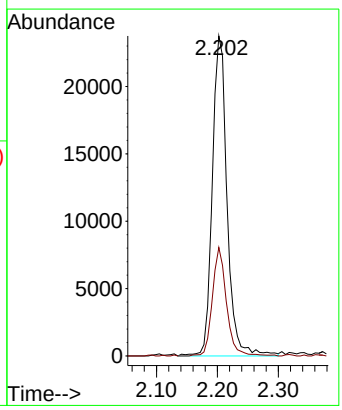
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

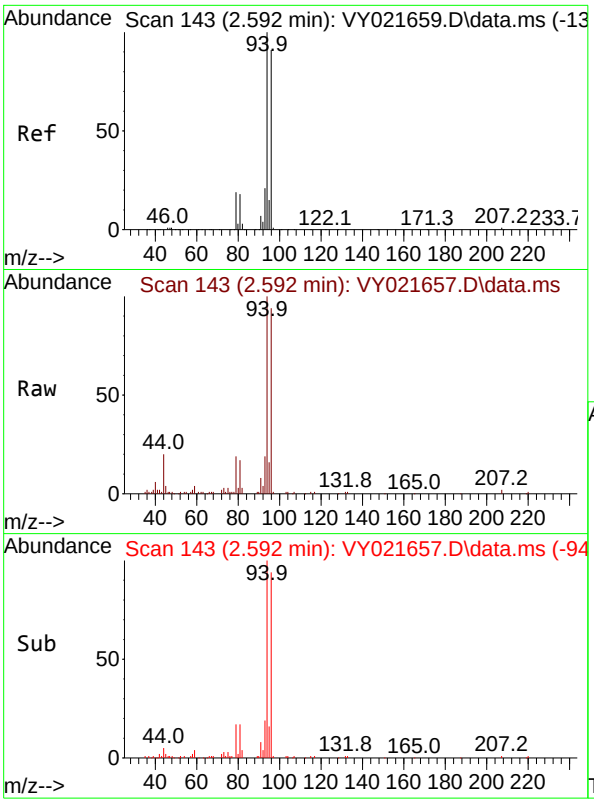


#4
Vinyl Chloride
Concen: 10.756 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 62 Resp: 39982

Ion	Ratio	Lower	Upper
62	100		
64	33.9	25.5	38.3

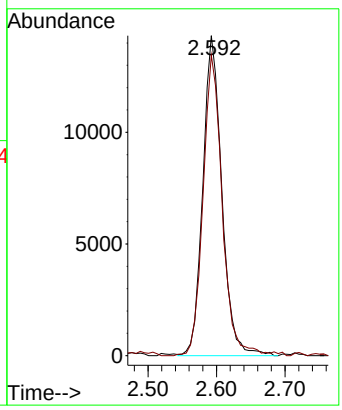




#5
Bromomethane
Concen: 10.914 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 94 Resp: 2767

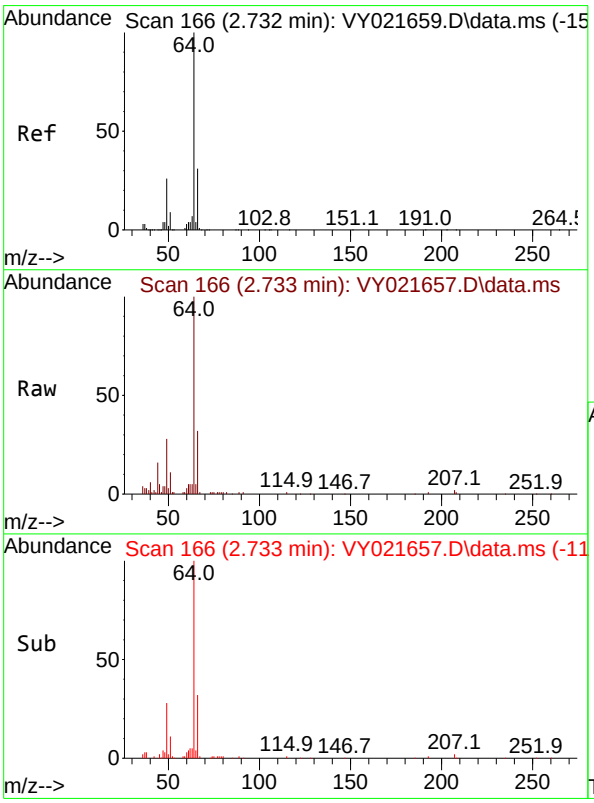
Ion	Ratio	Lower	Upper
94	100		
96	93.4	72.8	109.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

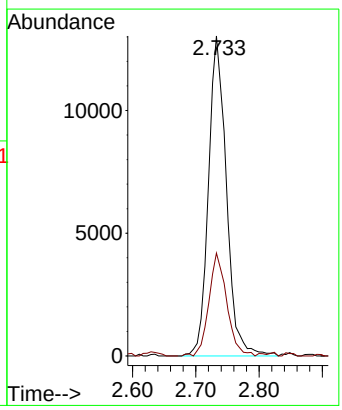
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

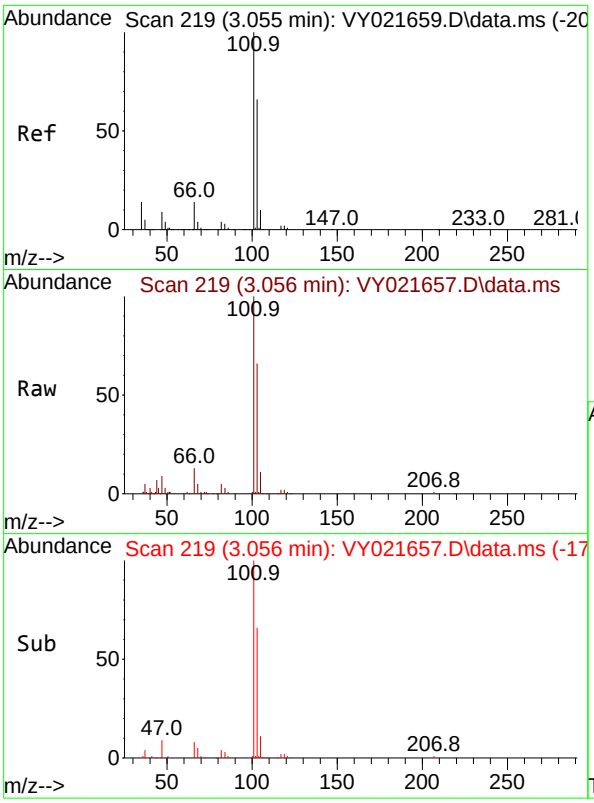


#6
Chloroethane
Concen: 10.567 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 64 Resp: 25703

Ion	Ratio	Lower	Upper
64	100		
66	32.1	24.9	37.3

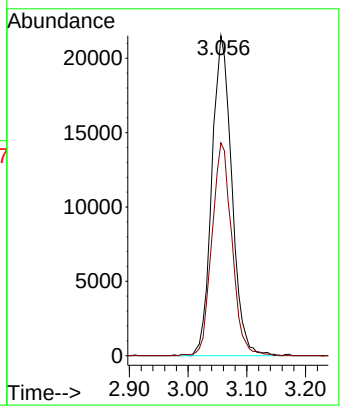




#7
Trichlorofluoromethane
Concen: 10.650 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:101 Resp: 5071

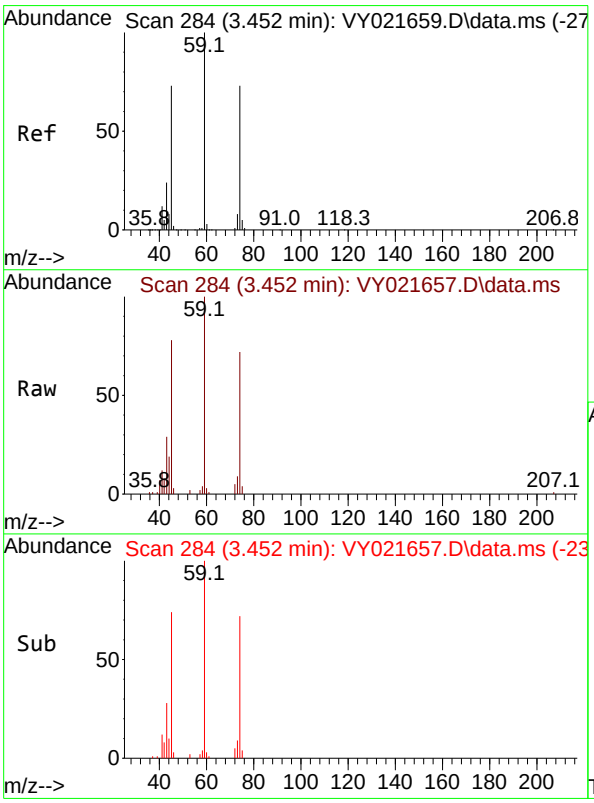
Ion	Ratio	Lower	Upper
101	100		
103	66.5	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

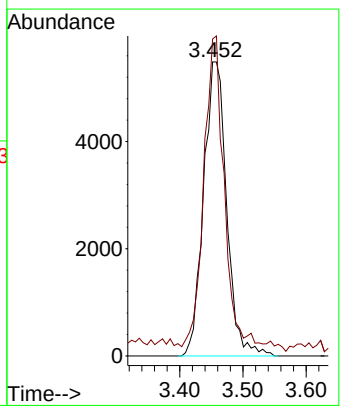
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

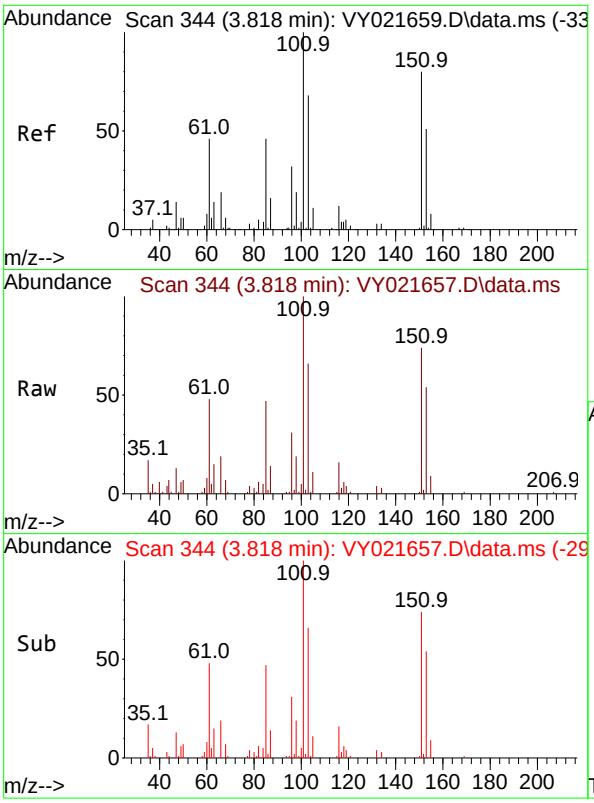


#8
Diethyl Ether
Concen: 10.765 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 74 Resp: 13940

Ion	Ratio	Lower	Upper
74	100		
45	92.0	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.786 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

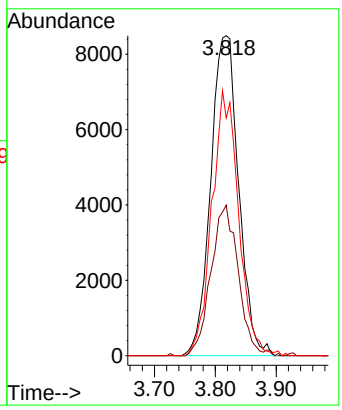
Tgt Ion:101 Resp: 2708

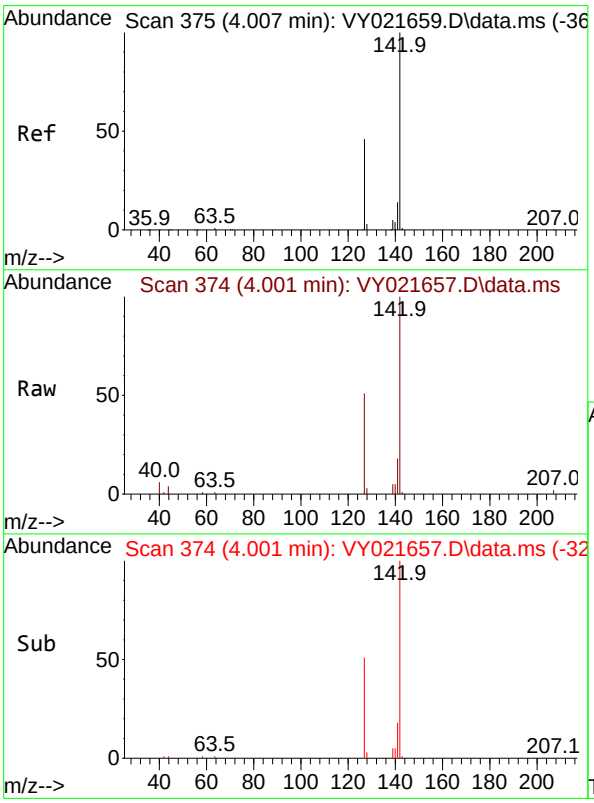
Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.3	54.5
151	79.0	61.3	91.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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Supervised By :Mahesh Dadoda 03/28/2025

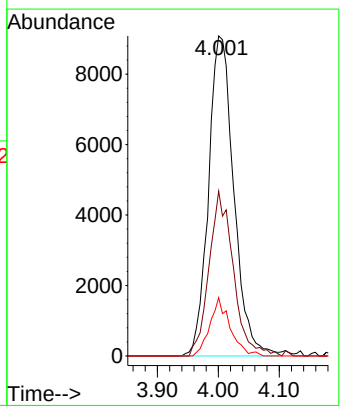


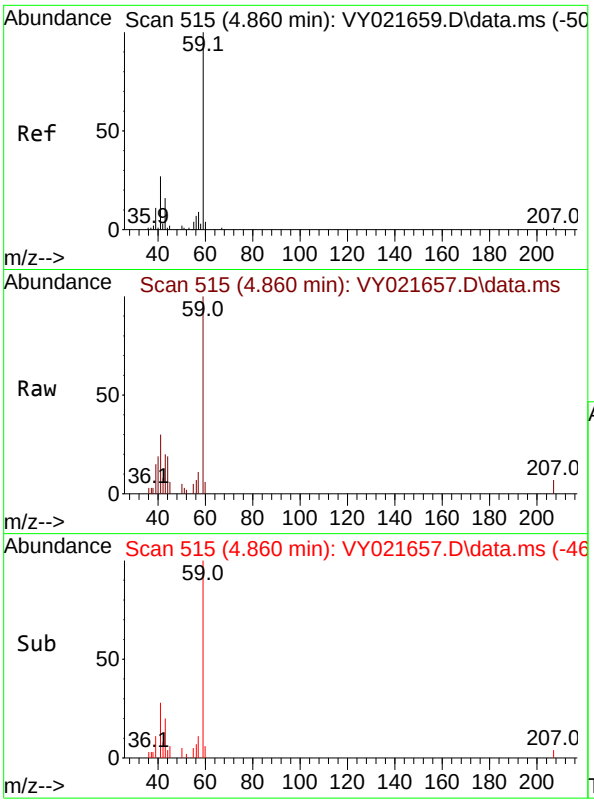


#10
Methyl Iodide
Concen: 9.507 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:142 Resp: 26193

Ion	Ratio	Lower	Upper
142	100		
127	49.4	38.7	58.1
141	14.6	11.5	17.3

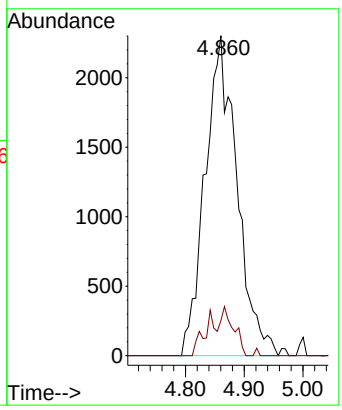




#11
Tert butyl alcohol
Concen: 54.634 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 59 Resp: 867

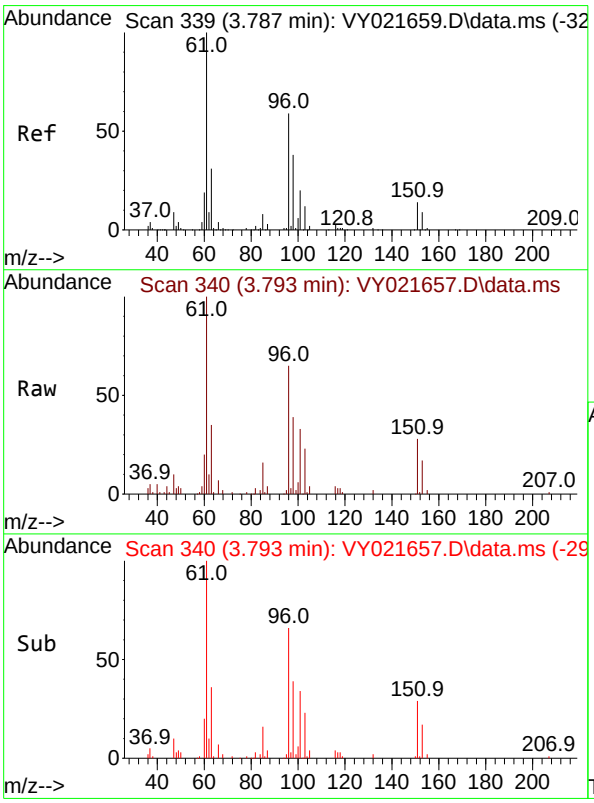
Ion	Ratio	Lower	Upper
59	100		
57	6.3	9.2	13.8#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

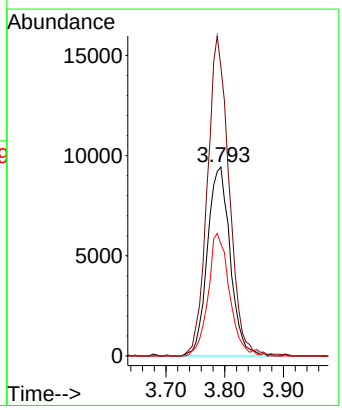
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

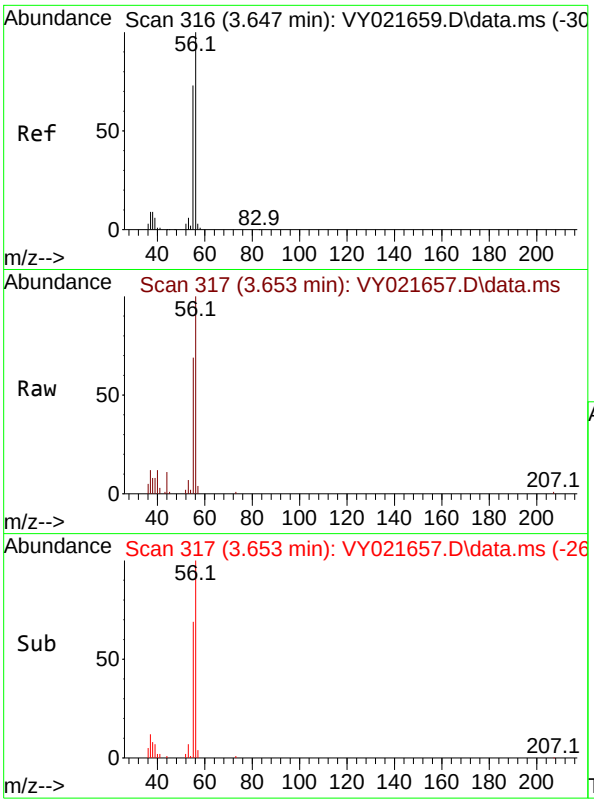


#12
1,1-Dichloroethene
Concen: 10.757 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 96 Resp: 25446

Ion	Ratio	Lower	Upper
96	100		
61	152.8	136.6	204.8
98	59.2	52.3	78.5

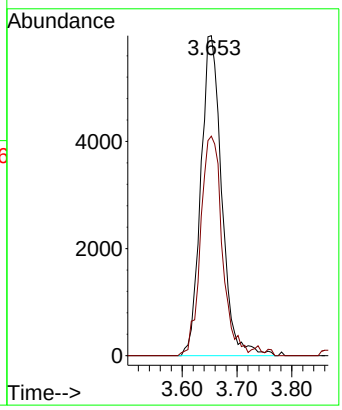




#13
Acrolein
Concen: 54.518 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 56 Resp: 1579

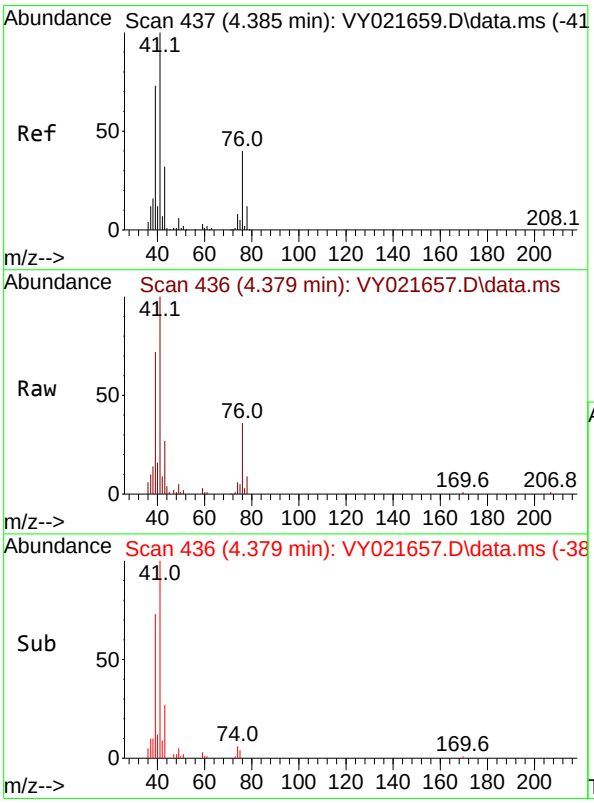
Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

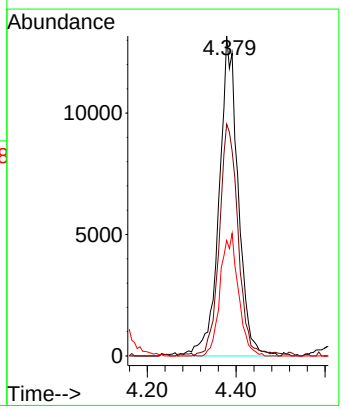
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

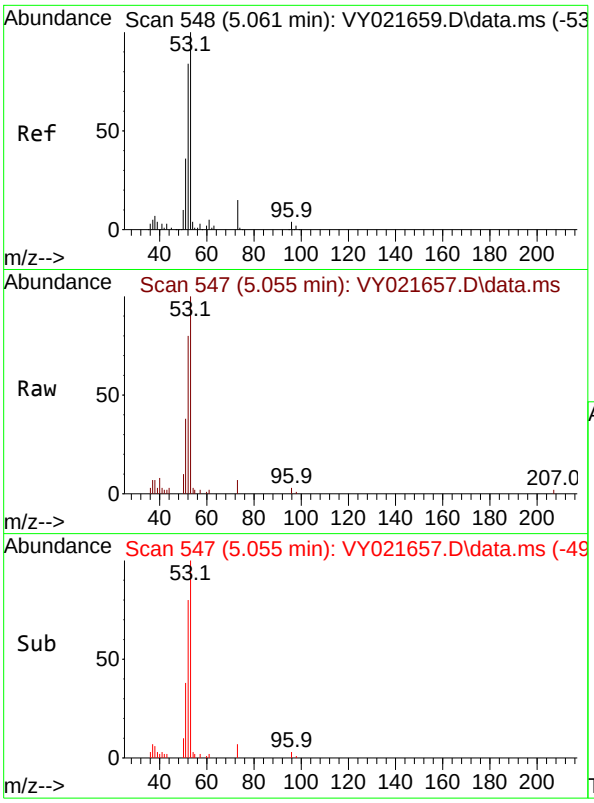


#14
Allyl chloride
Concen: 10.352 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 41 Resp: 39045

Ion	Ratio	Lower	Upper
41	100		
39	71.1	58.6	88.0
76	36.4	30.3	45.5

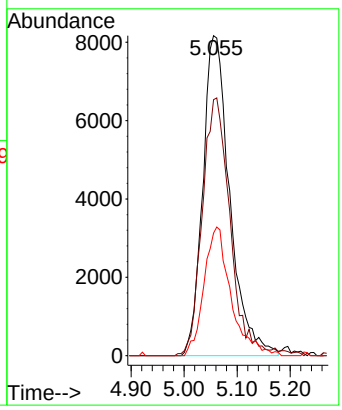




#15
Acrylonitrile
Concen: 53.389 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 53 Resp: 2886

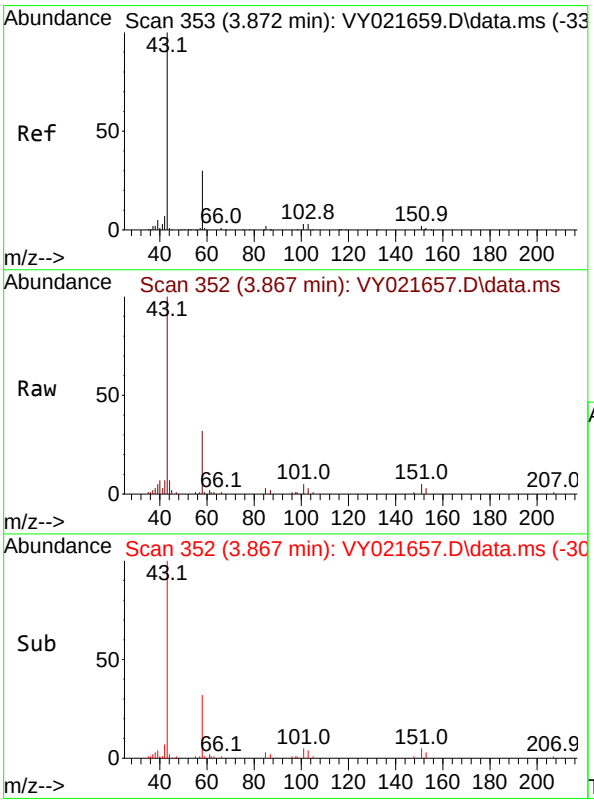
Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.9	97.3
51	40.1	30.2	45.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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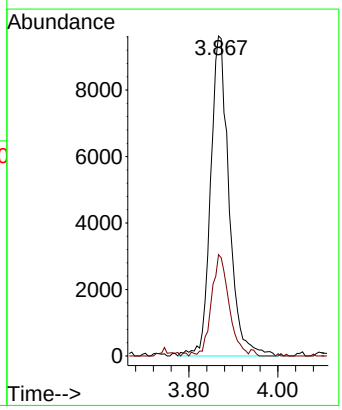
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

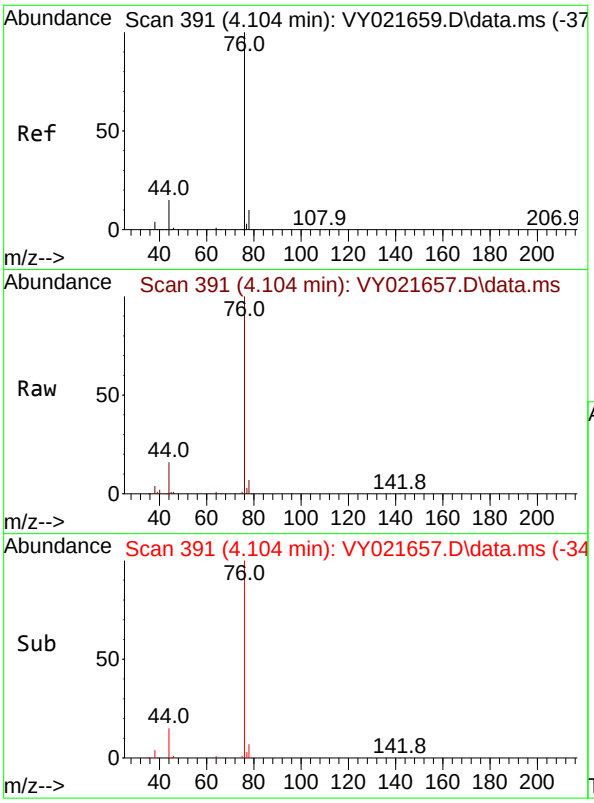


#16
Acetone
Concen: 55.329 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 27669

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.2	36.4





#17
Carbon Disulfide
Concen: 10.583 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

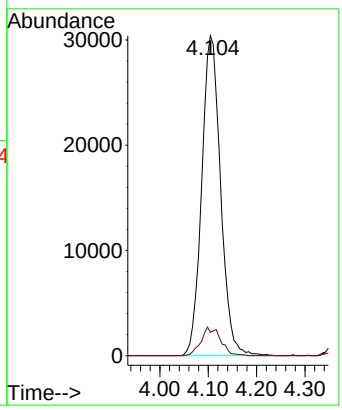
Tgt Ion: 76 Resp: 8245

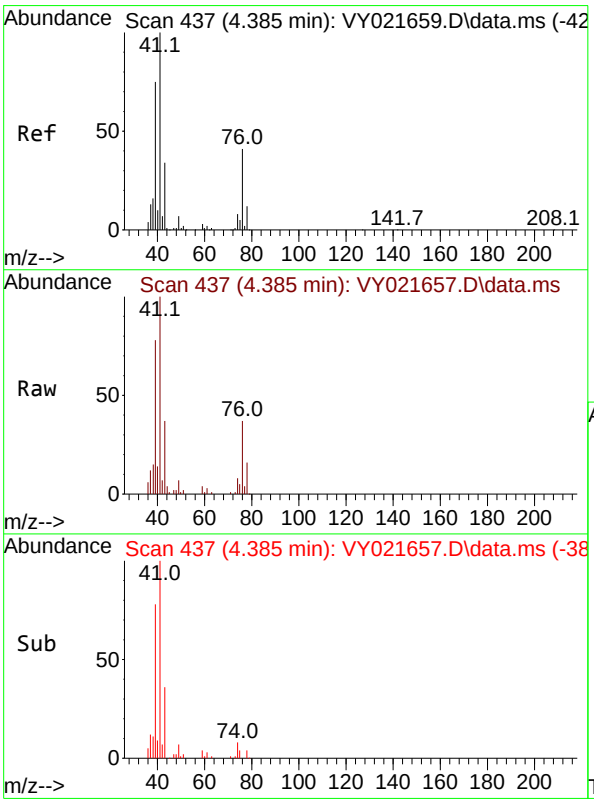
Ion	Ratio	Lower	Upper
76	100		
78	7.3	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

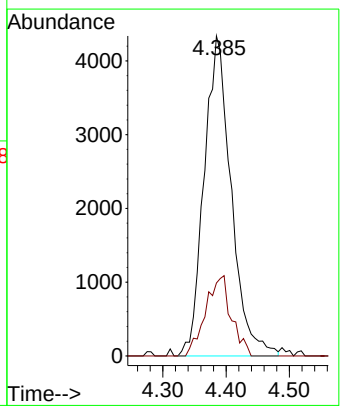


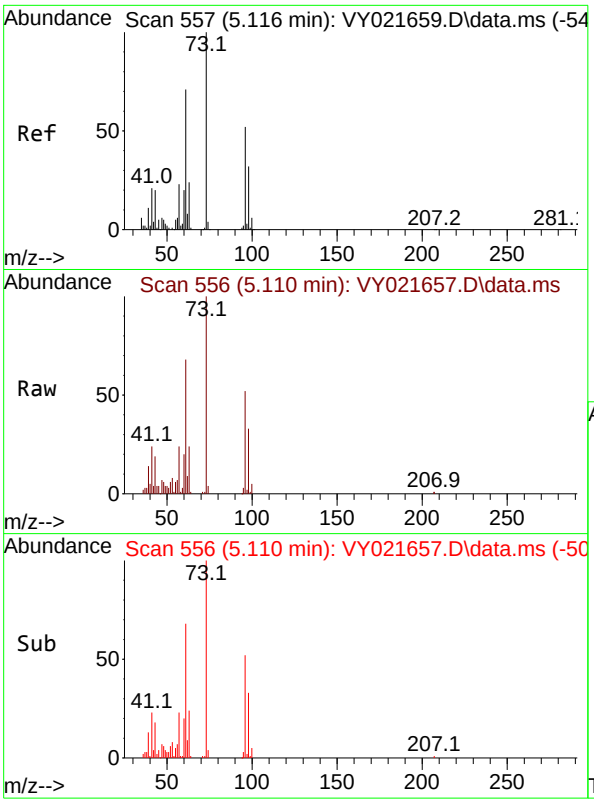


#18
Methyl Acetate
Concen: 10.417 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 12911

Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.1	28.7

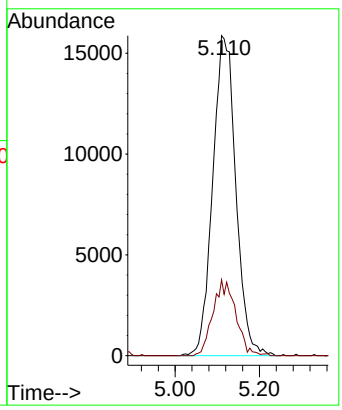




#19
Methyl tert-butyl Ether
Concen: 10.223 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 73 Resp: 6020

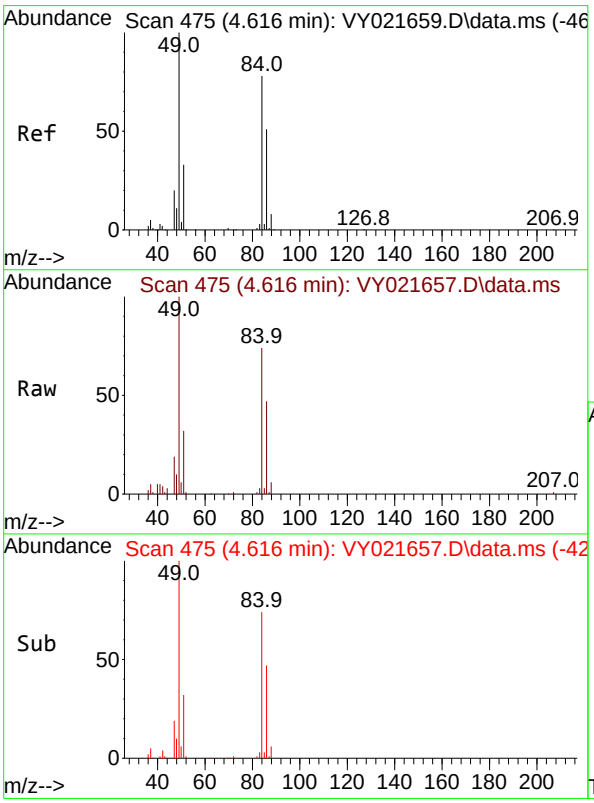
Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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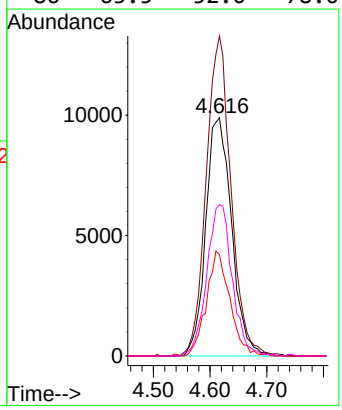
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

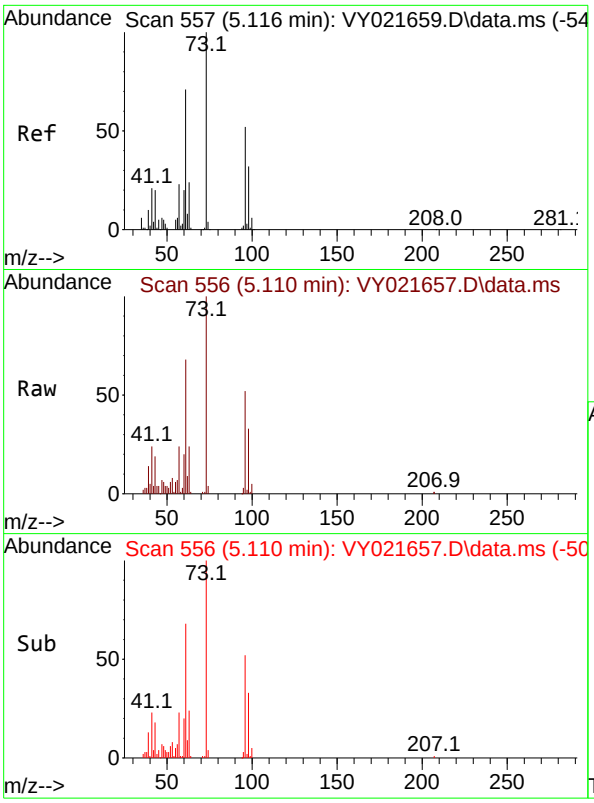


#20
Methylene Chloride
Concen: 9.677 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 84 Resp: 31313

Ion	Ratio	Lower	Upper
84	100		
49	134.3	102.8	154.2
51	42.5	33.5	50.3
86	63.5	52.0	78.0

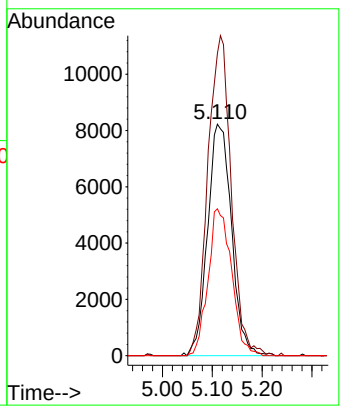




#21
trans-1,2-Dichloroethene
Concen: 10.523 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 96 Resp: 2740

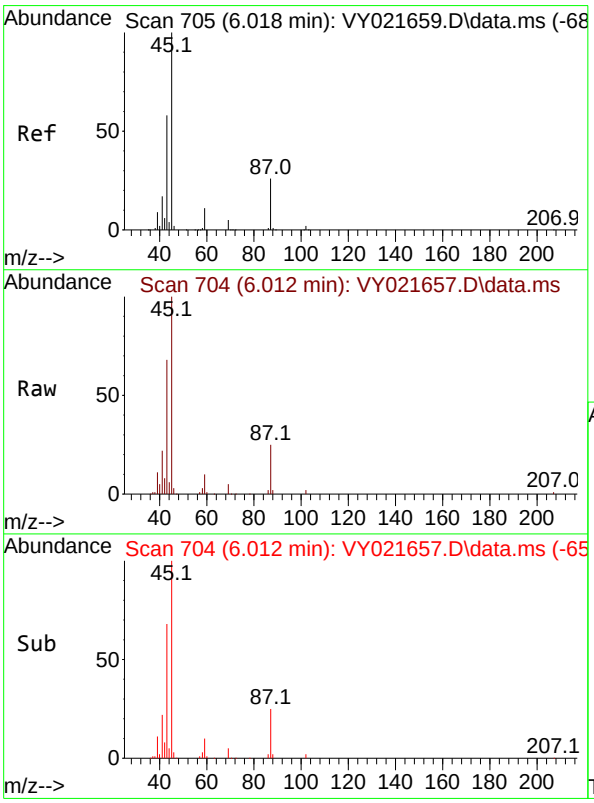
Ion	Ratio	Lower	Upper
96	100		
61	130.5	109.4	164.0
98	63.5	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

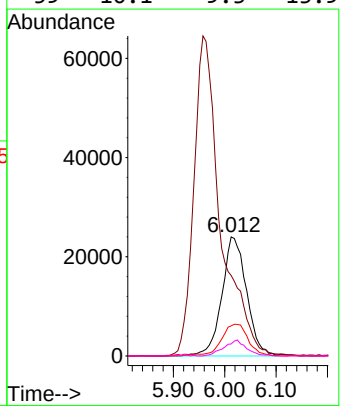
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

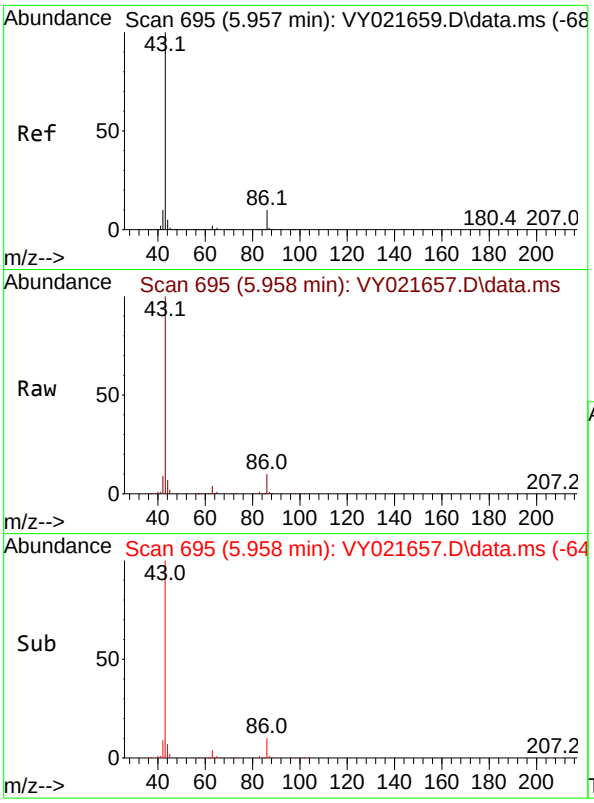


#22
Diisopropyl ether
Concen: 10.095 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 45 Resp: 79874

Ion	Ratio	Lower	Upper
45	100		
43	66.0	46.6	69.8
87	24.9	20.7	31.1
59	10.1	9.3	13.9





#23
Vinyl Acetate
Concen: 50.469 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

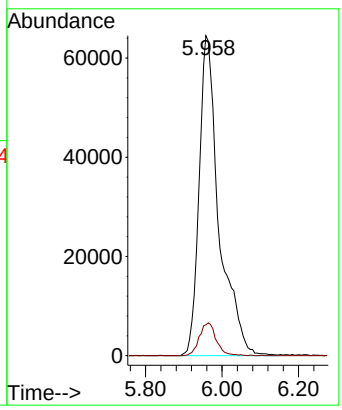
Tgt Ion: 43 Resp: 23359

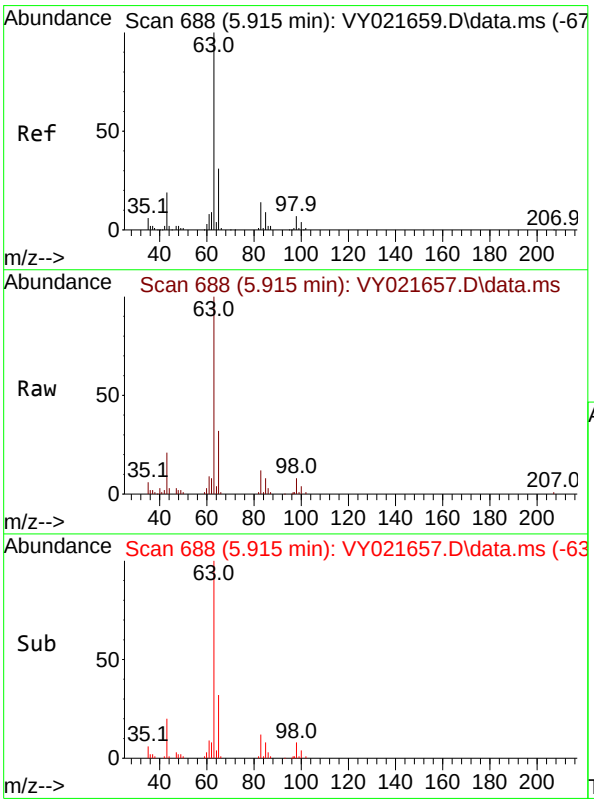
Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

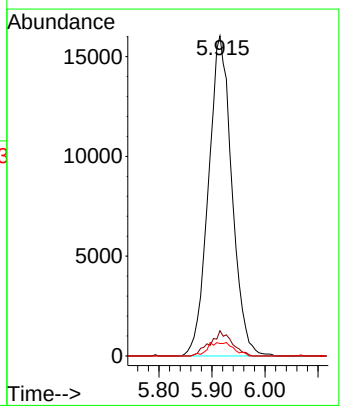


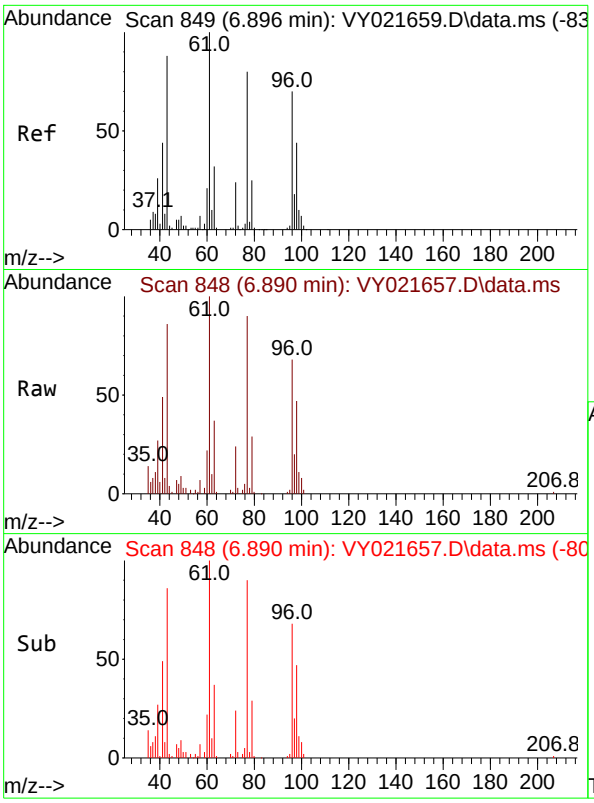


#24
1,1-Dichloroethane
Concen: 10.403 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 63 Resp: 49217

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.5
100	3.9	2.2	6.6

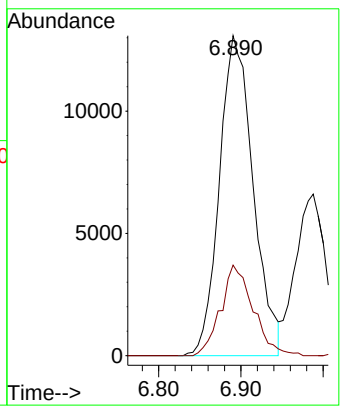




#25
2-Butanone
Concen: 52.299 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 3735

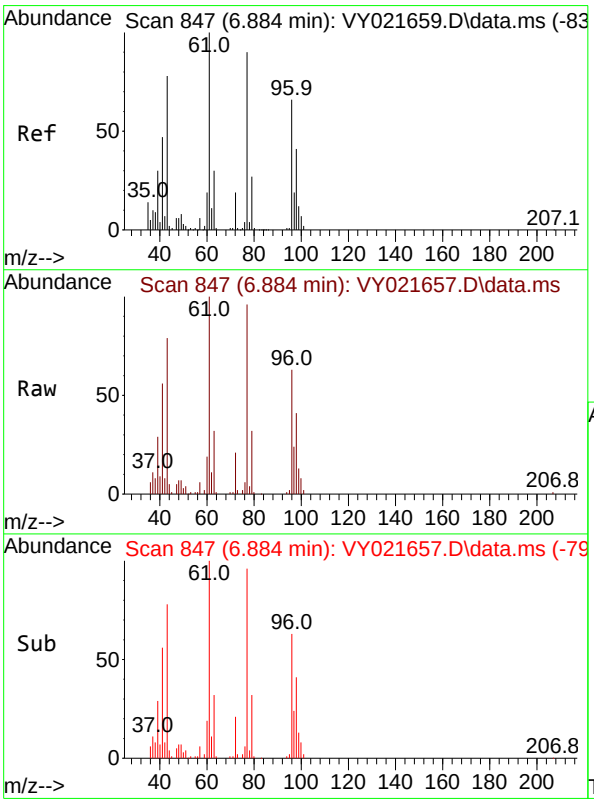
Ion	Ratio	Lower	Upper
43	100		
72	28.3	21.4	32.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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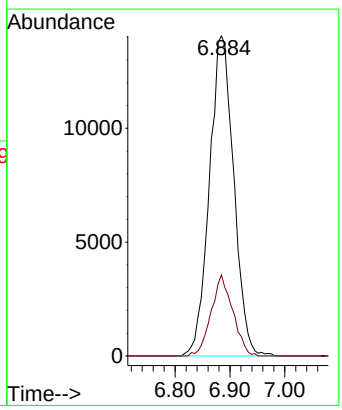
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

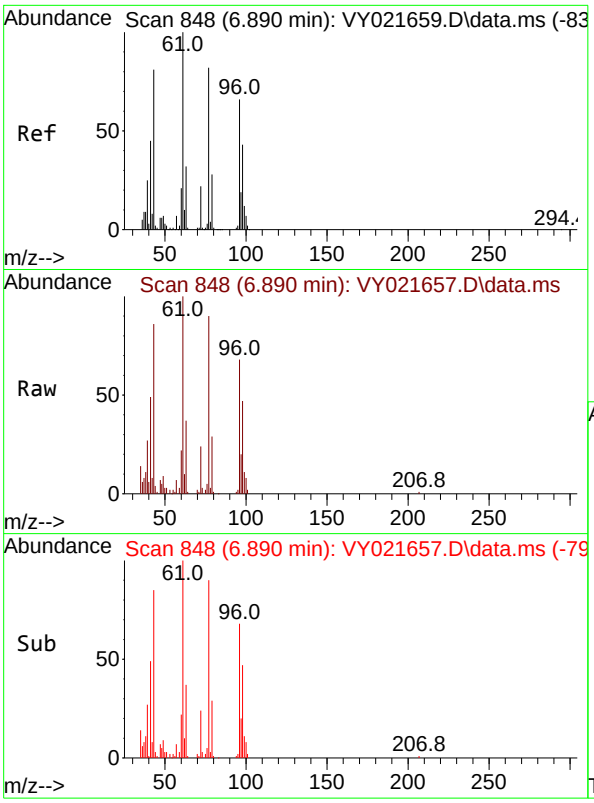


#26
2,2-Dichloropropane
Concen: 10.316 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 77 Resp: 43412

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.1	33.1

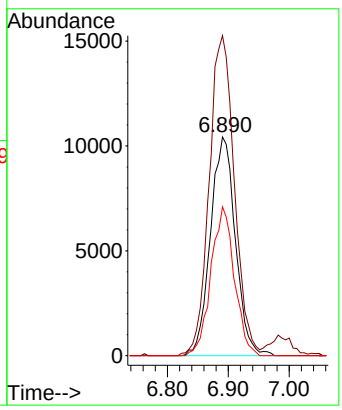




#27
cis-1,2-Dichloroethene
Concen: 10.140 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 96 Resp: 2969

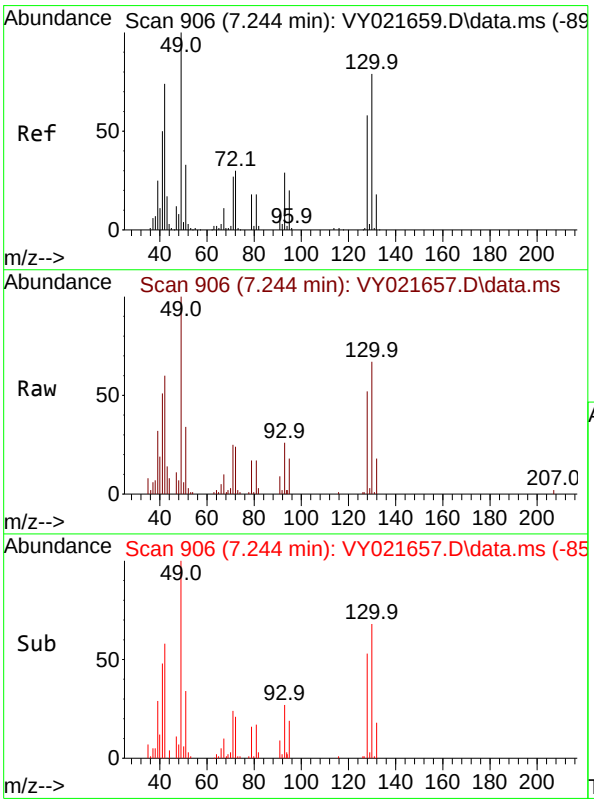
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	296.4
98	63.9	0.0	128.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

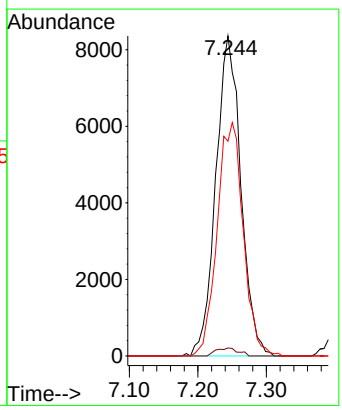
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

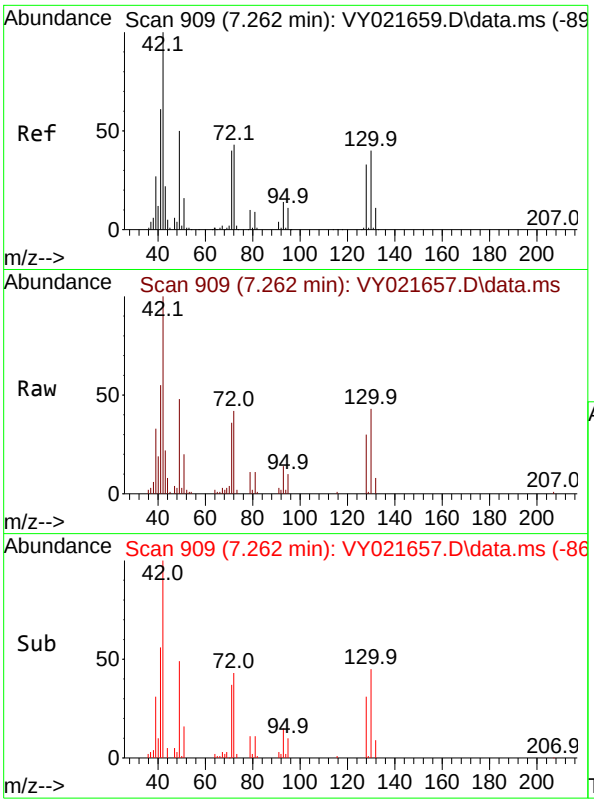


#28
Bromochloromethane
Concen: 10.618 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 49 Resp: 21186

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	75.9	60.1	90.1

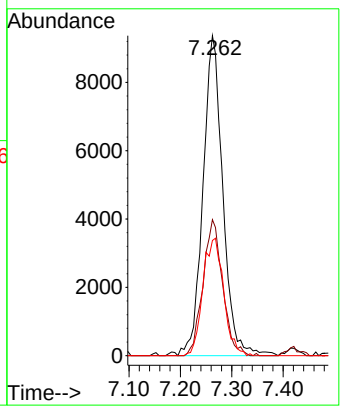




#29
Tetrahydrofuran
Concen: 54.625 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 42 Resp: 2511

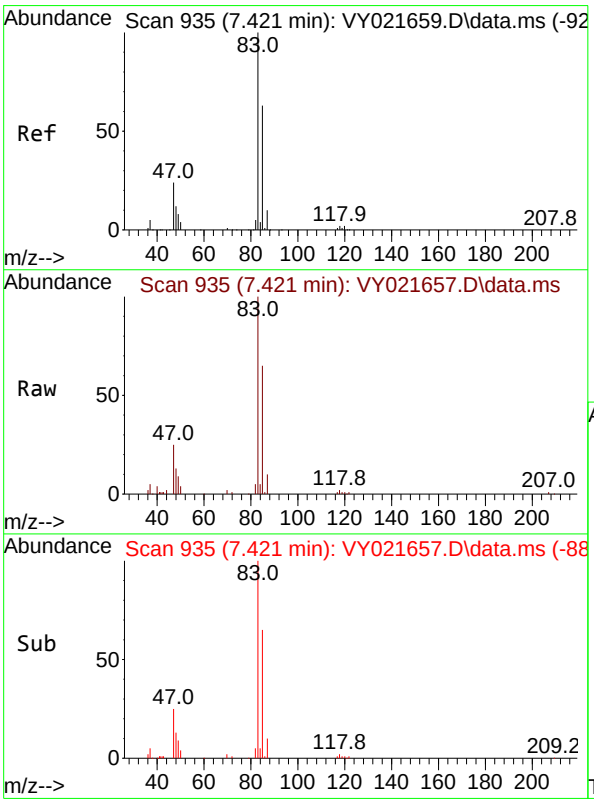
Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.6	52.0
71	38.5	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

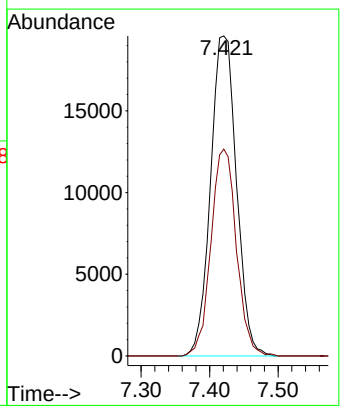
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

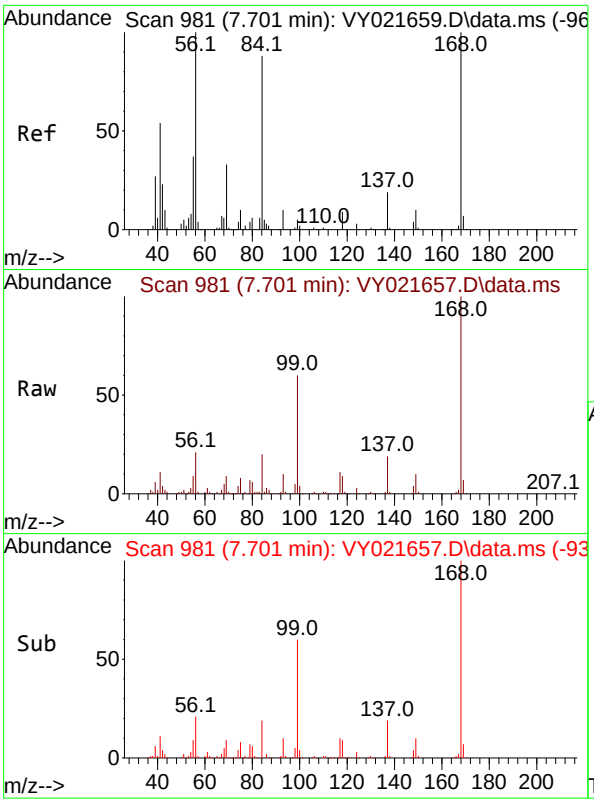


#30
Chloroform
Concen: 10.459 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 83 Resp: 51464

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8





#31
Cyclohexane
Concen: 10.798 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

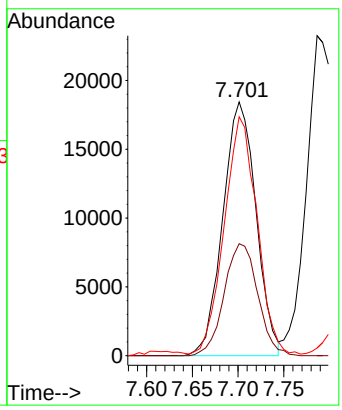
Tgt Ion: 56 Resp: 4656

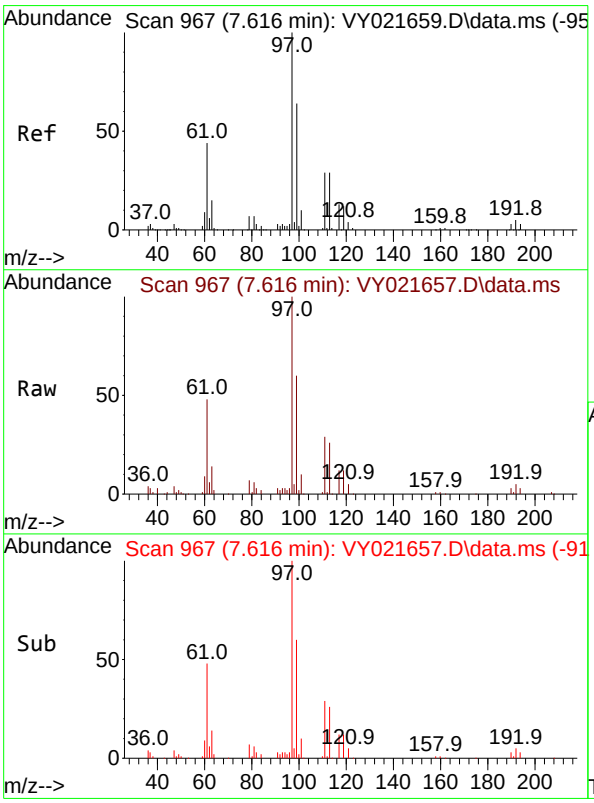
Ion	Ratio	Lower	Upper
56	100		
69	44.1	26.6	40.0
84	92.8	69.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

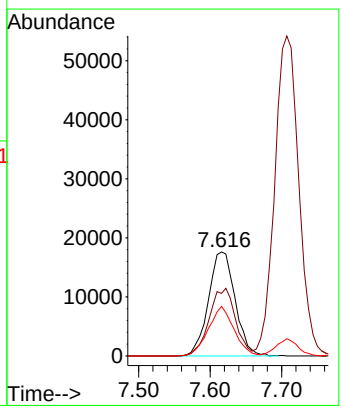


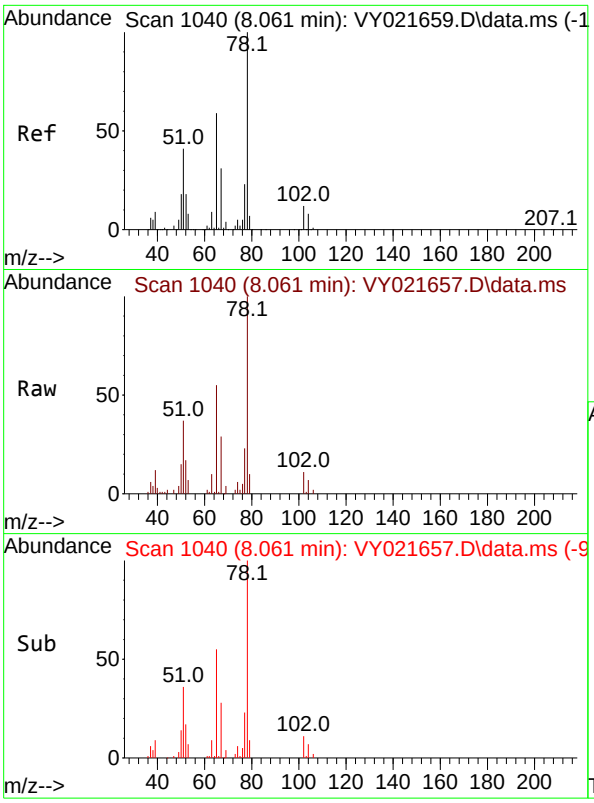


#32
1,1,1-Trichloroethane
Concen: 10.270 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 97 Resp: 45673

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.7	76.1
61	45.8	35.2	52.8

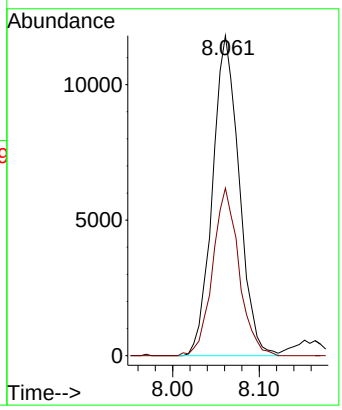




#33
1,2-Dichloroethane-d4
Concen: 10.311 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 65 Resp: 2519

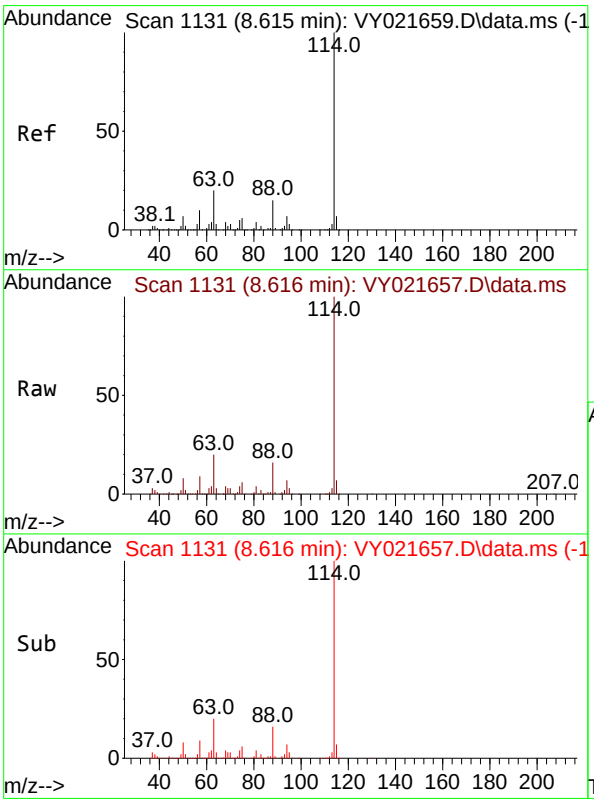
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

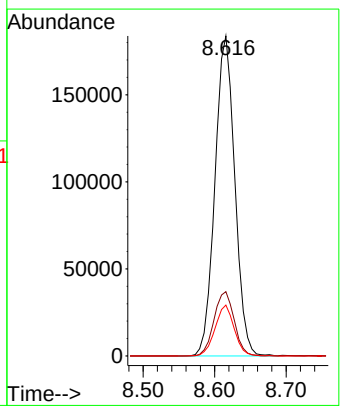
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

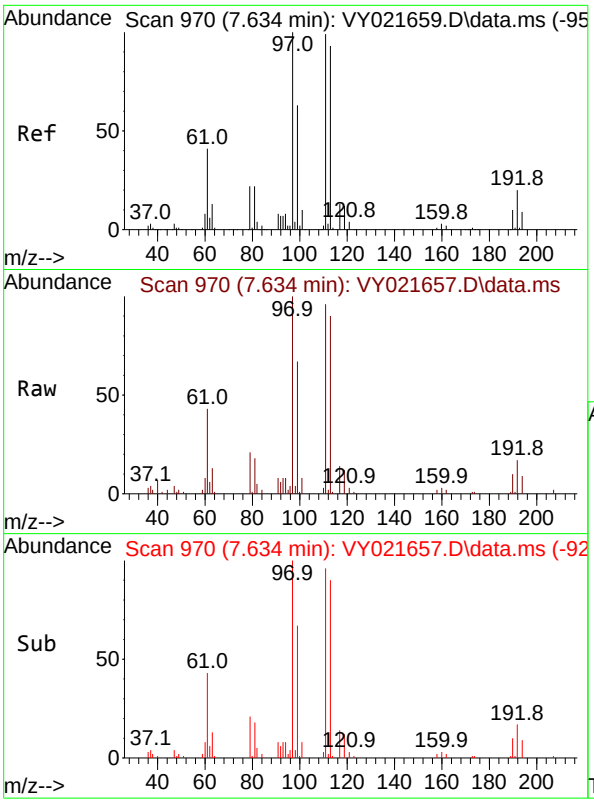


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:114 Resp: 354785

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	15.9	0.0	29.8

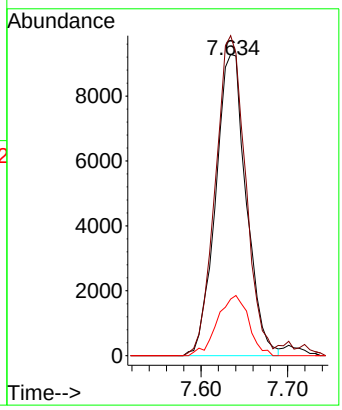




#35
Dibromofluoromethane
Concen: 9.906 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:113 Resp: 2279

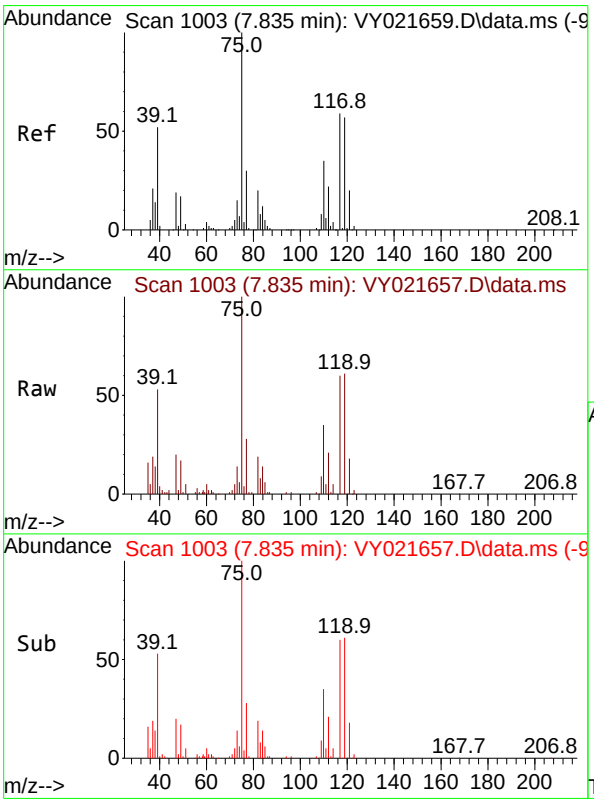
Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.6	123.8
192	20.4	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

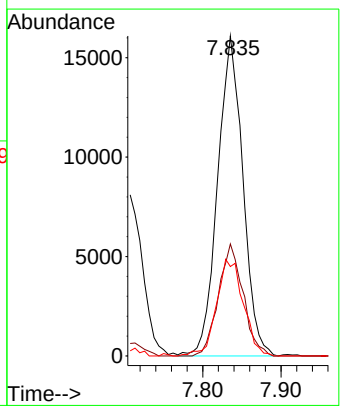
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

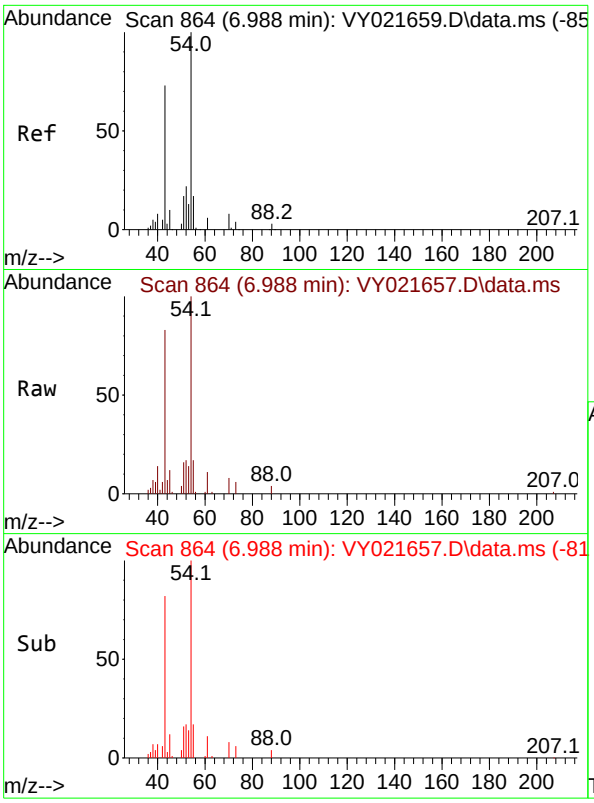


#36
1,1-Dichloropropene
Concen: 10.304 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 36121

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	32.0	24.8	37.2





#37
Ethyl Acetate
Concen: 10.969 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

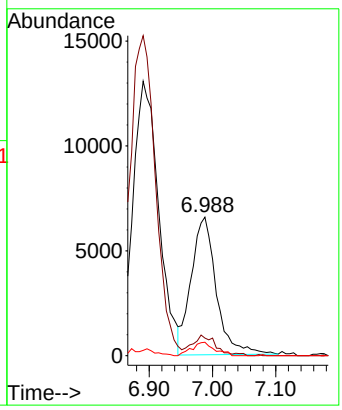
Tgt Ion: 43 Resp: 1814

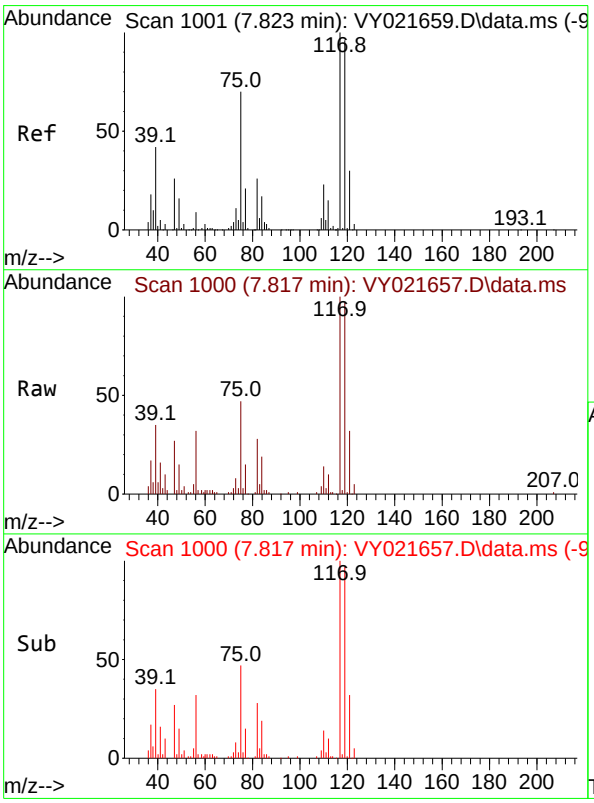
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.6
70	8.8	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

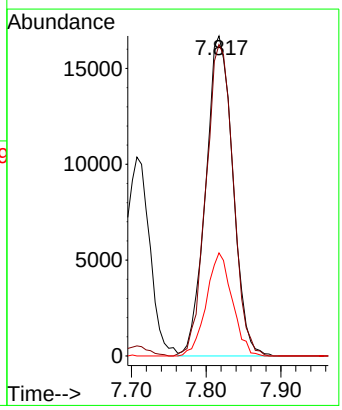


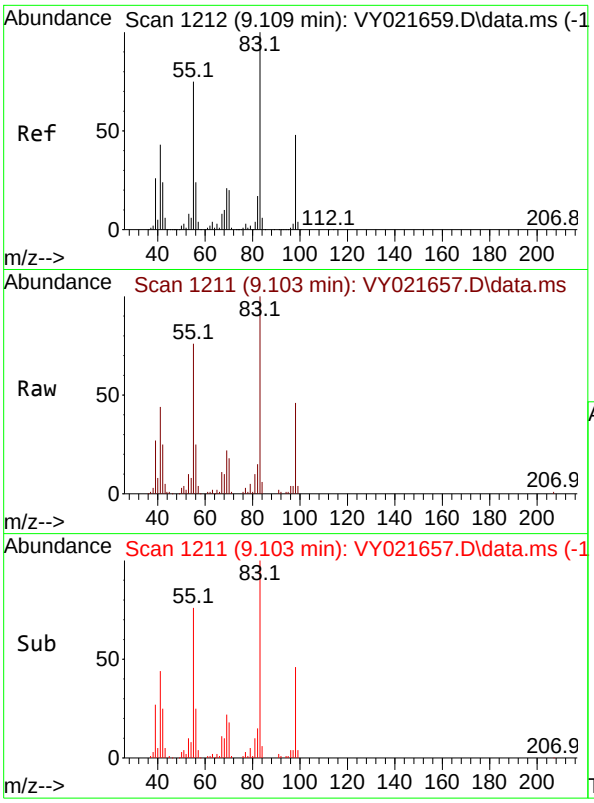


#38
Carbon Tetrachloride
Concen: 10.496 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:117 Resp: 42141

Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.2	114.4
121	32.2	24.2	36.4





#39
Methylcyclohexane
Concen: 10.147 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

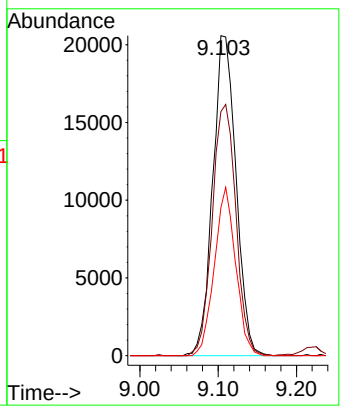
Tgt Ion: 83 Resp: 4249

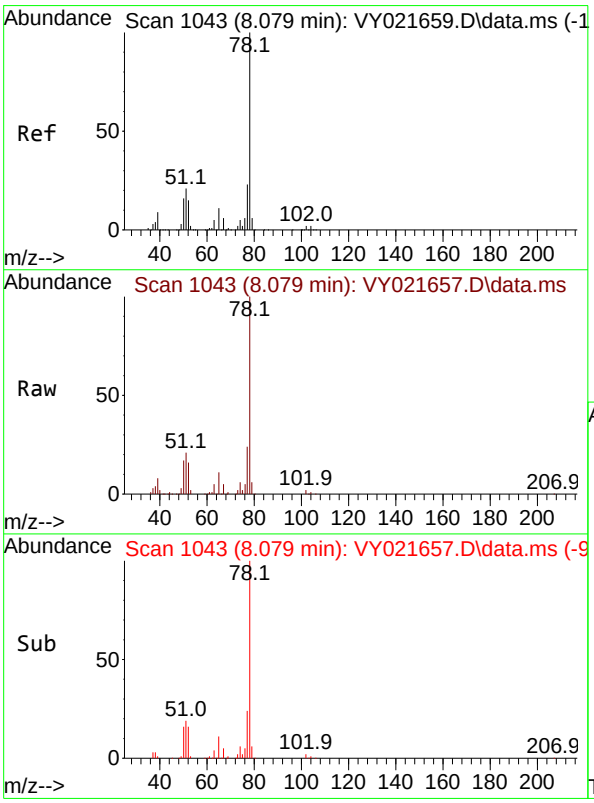
Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.7	89.5
98	46.3	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

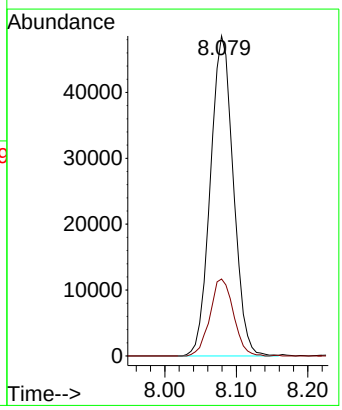


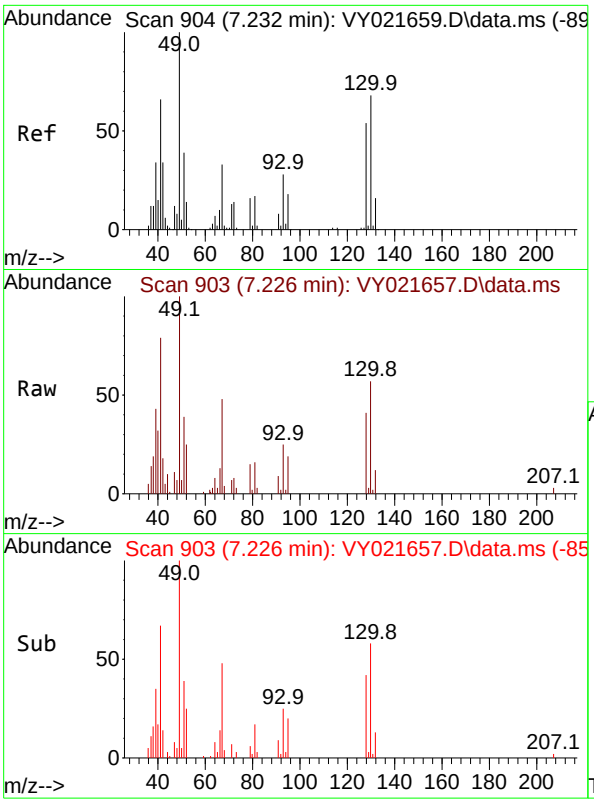


#40
Benzene
Concen: 10.322 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 78 Resp: 108360

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

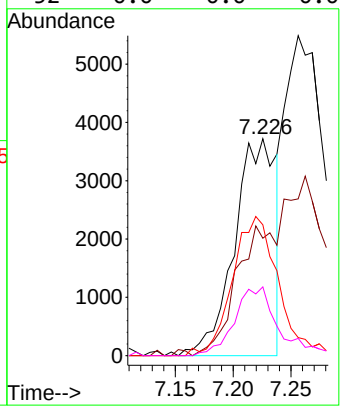




#41
Methacrylonitrile
Concen: 10.635 ug/l m
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 41 Resp: 934

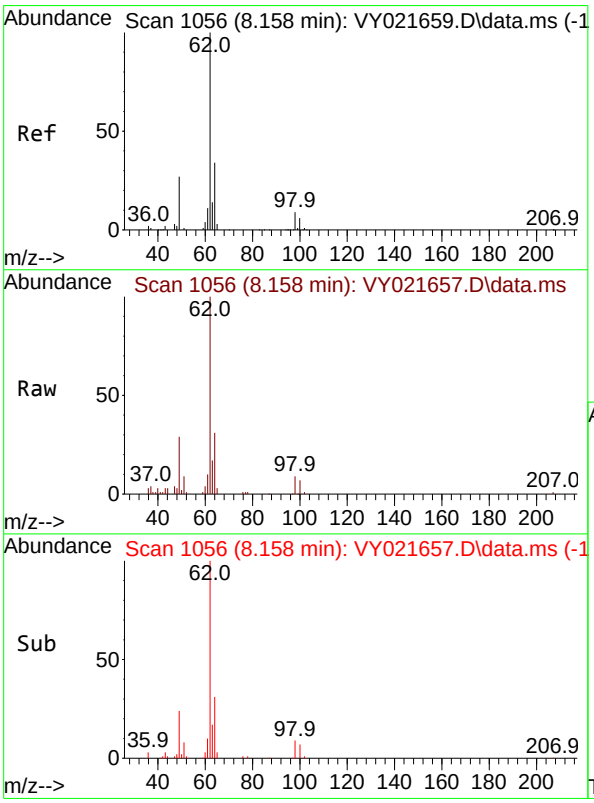
Ion	Ratio	Lower	Upper
41	100		
39	140.2	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

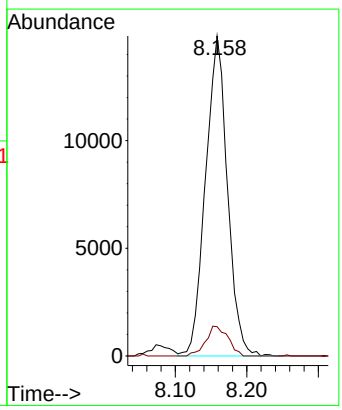
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

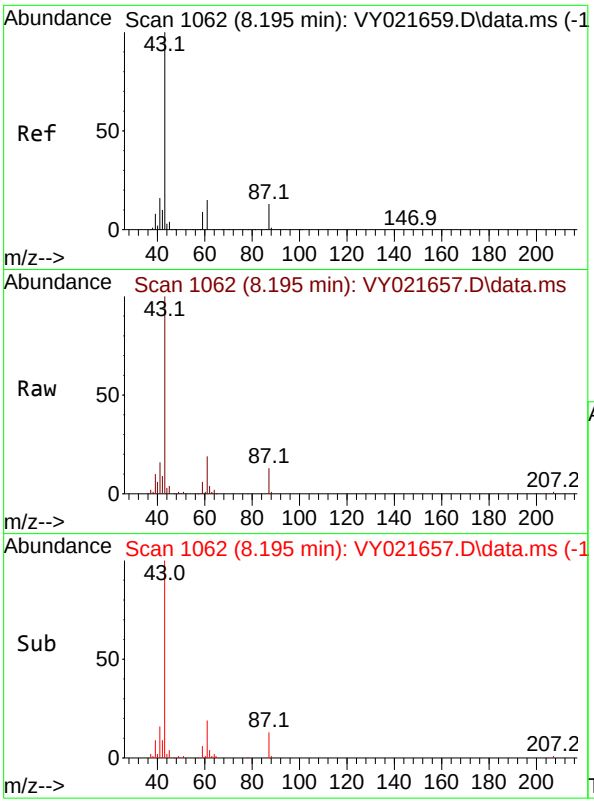


#42
1,2-Dichloroethane
Concen: 10.679 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 62 Resp: 31606

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4

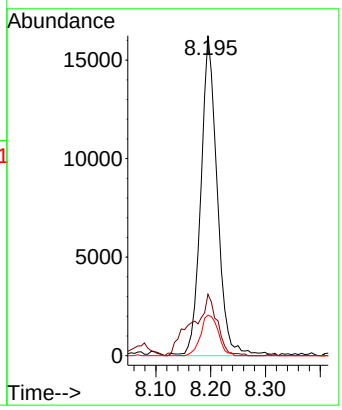




#43
Isopropyl Acetate
Concen: 10.738 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 3366

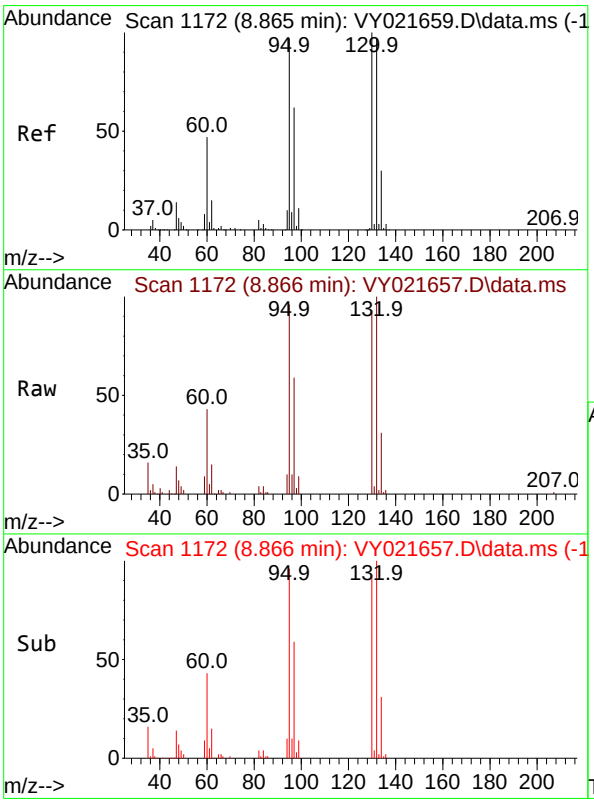
Ion	Ratio	Lower	Upper
43	100		
61	29.1	15.9	23.9
87	13.6	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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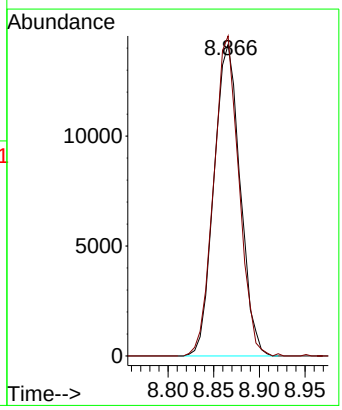
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

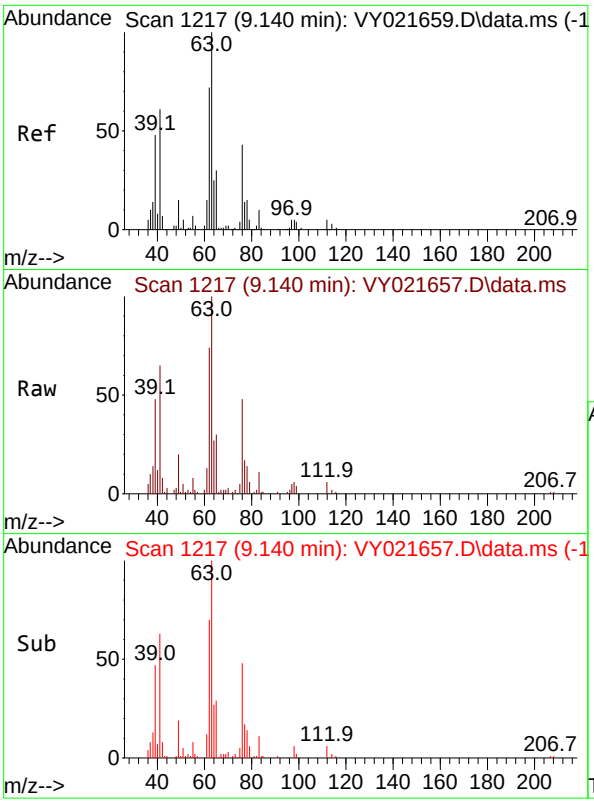


#44
Trichloroethene
Concen: 10.571 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:130 Resp: 28275

Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	194.8





#45
1,2-Dichloropropane
Concen: 10.440 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

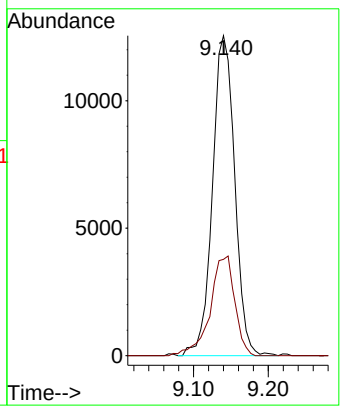
Tgt Ion: 63 Resp: 2594

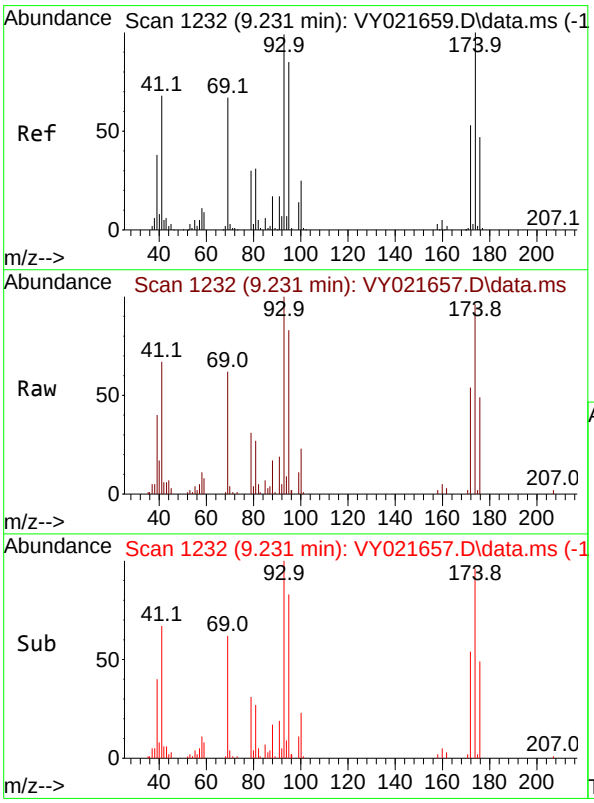
Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

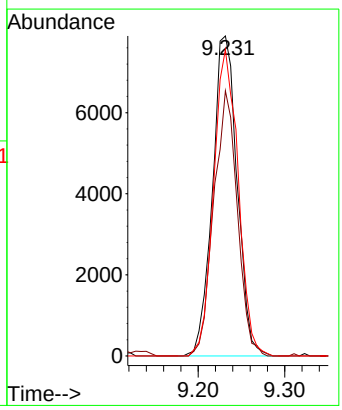


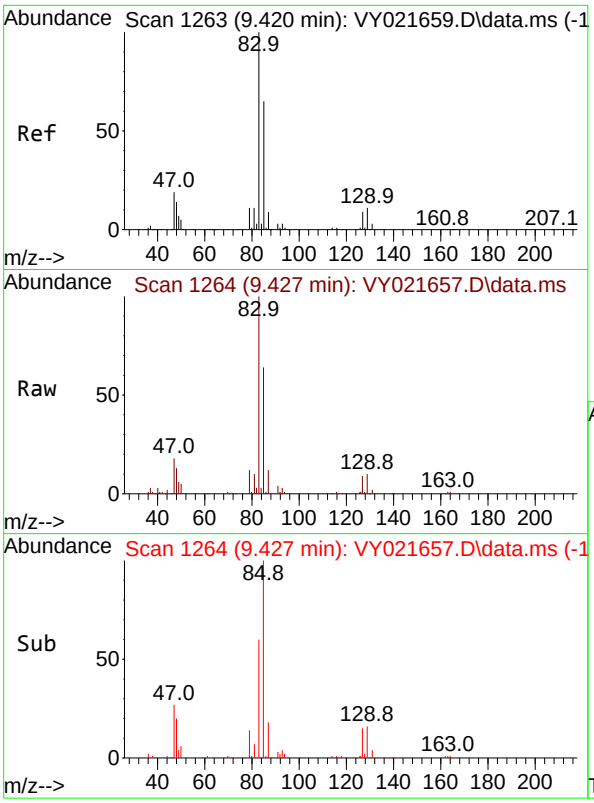


#46
Dibromomethane
Concen: 10.896 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 93 Resp: 15605

Ion	Ratio	Lower	Upper
93	100		
95	79.3	68.1	102.1
174	95.5	80.9	121.3

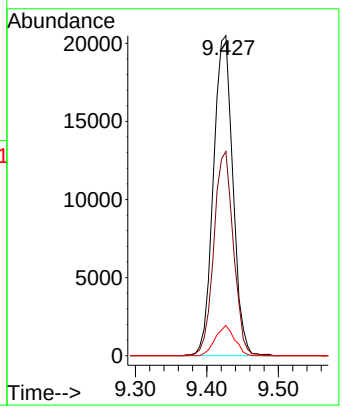




#47
Bromodichloromethane
Concen: 10.439 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 83 Resp: 3873

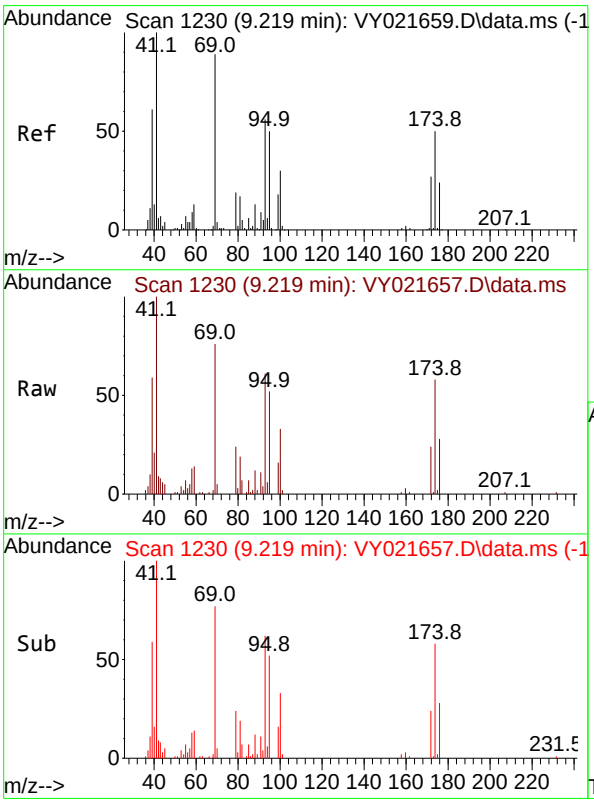
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	9.5	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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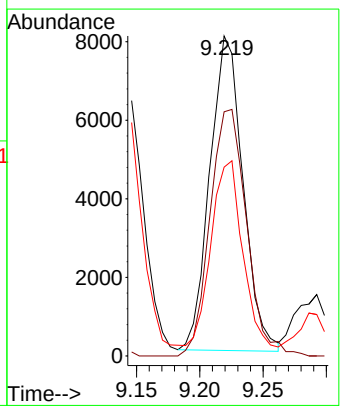
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

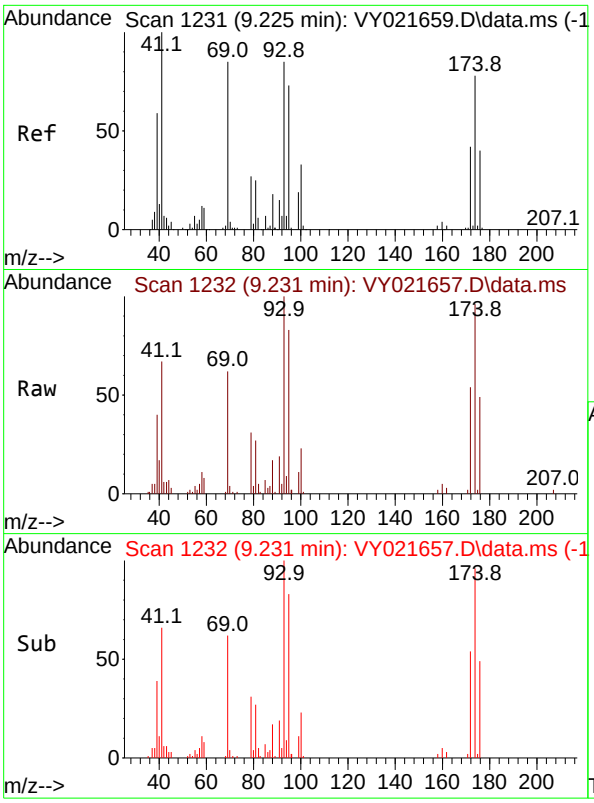


#48
Methyl methacrylate
Concen: 10.130 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 41 Resp: 14576

Ion	Ratio	Lower	Upper
41	100		
69	86.5	69.8	104.8
39	56.4	47.2	70.8

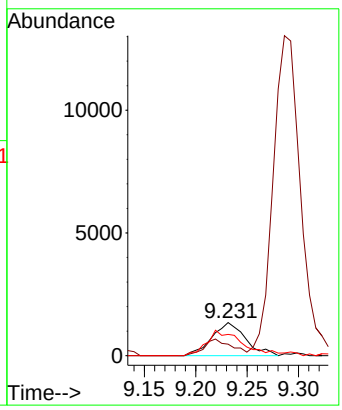




#49
1,4-Dioxane
Concen: 200.565 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 88 Resp: 307

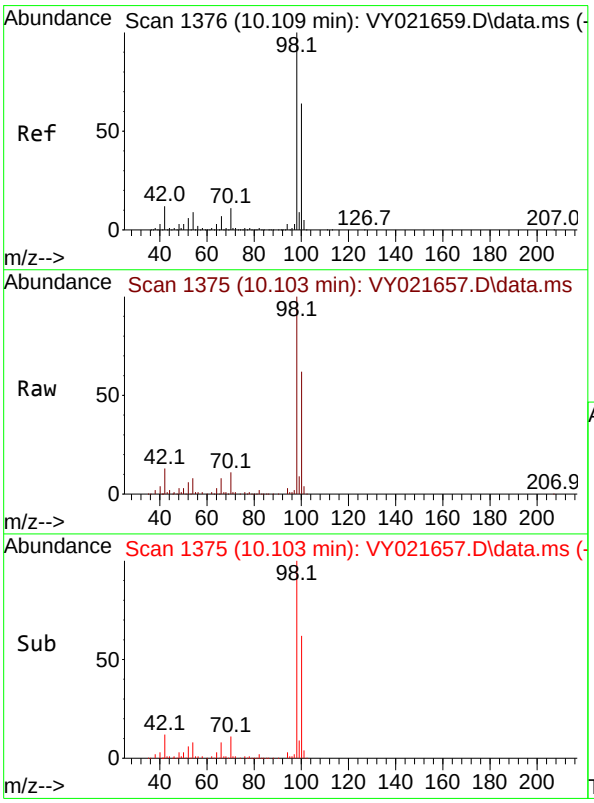
Ion	Ratio	Lower	Upper
88	100		
43	41.4	28.8	43.2
58	85.0	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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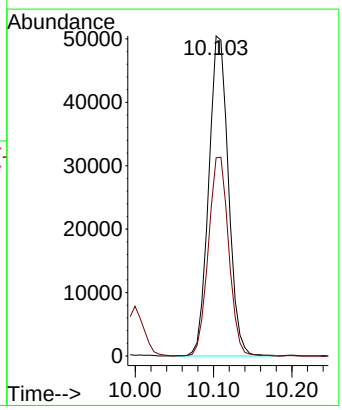
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

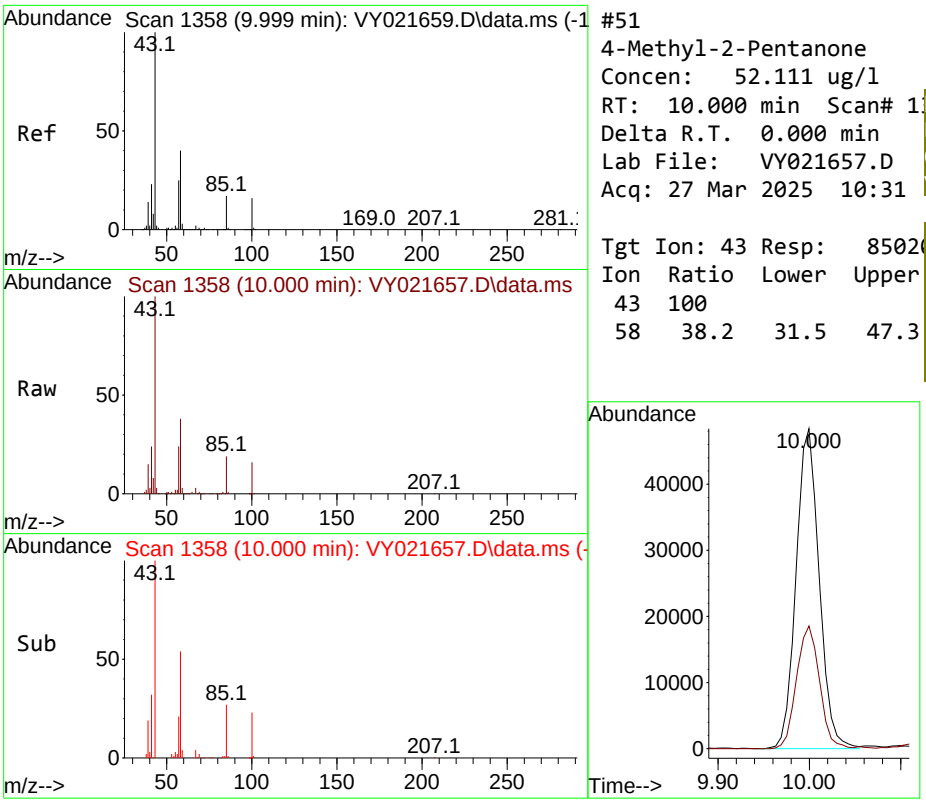


#50
Toluene-d8
Concen: 10.051 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 98 Resp: 88000

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1





#51
4-Methyl-2-Pentanone
Concen: 52.111 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

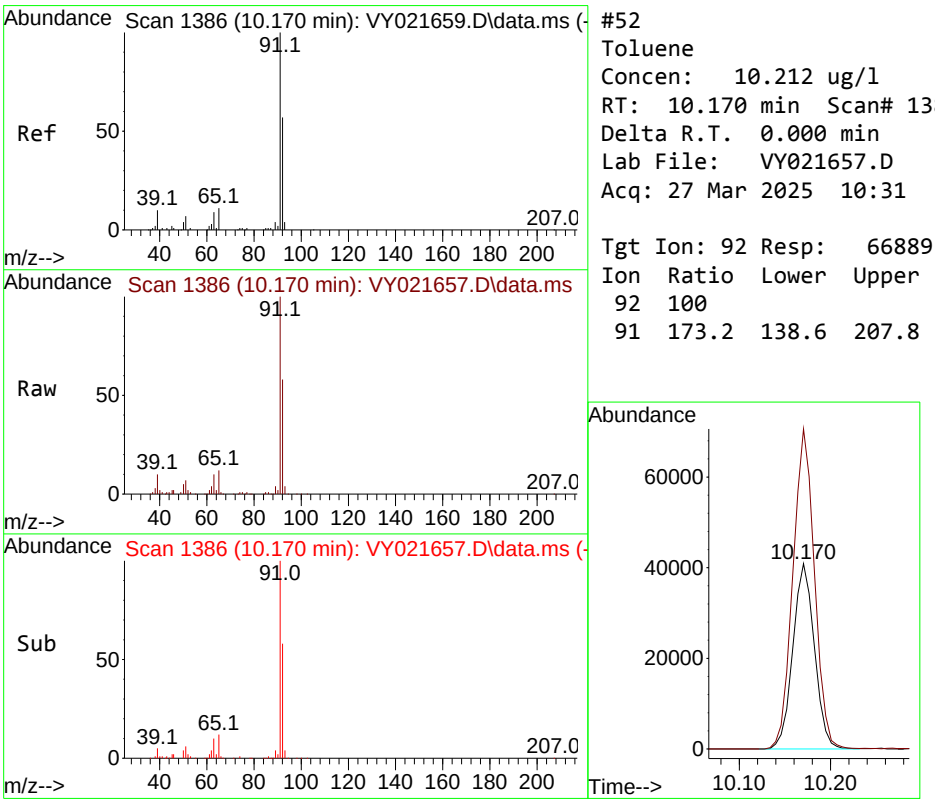
Tgt Ion: 43 Resp: 8502

Ion	Ratio	Lower	Upper
43	100		
58	38.2	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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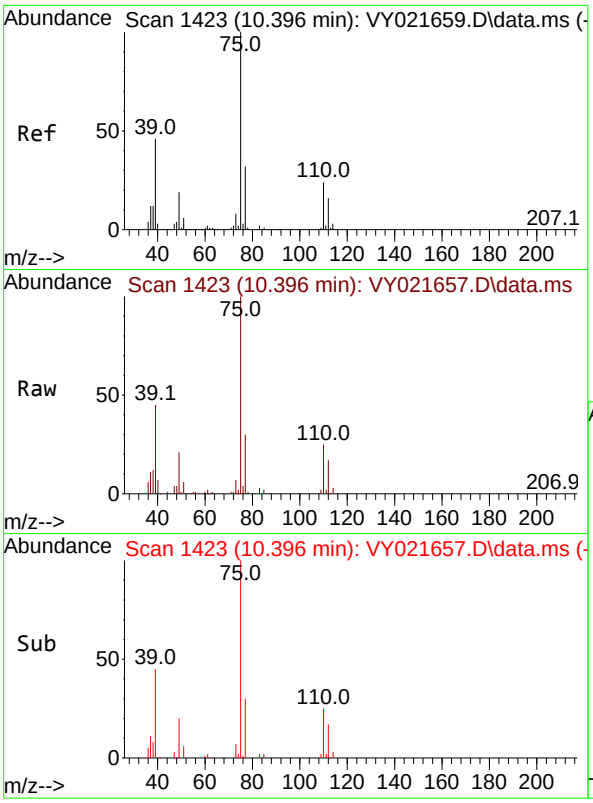
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#52
Toluene
Concen: 10.212 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 92 Resp: 66889

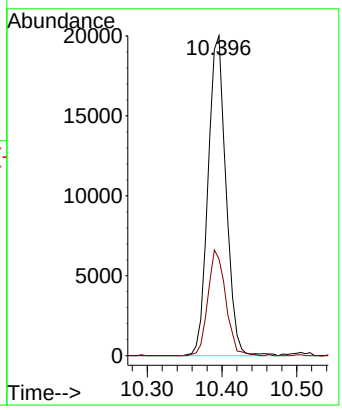
Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.6	207.8



#53
t-1,3-Dichloropropene
Concen: 10.120 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 3335

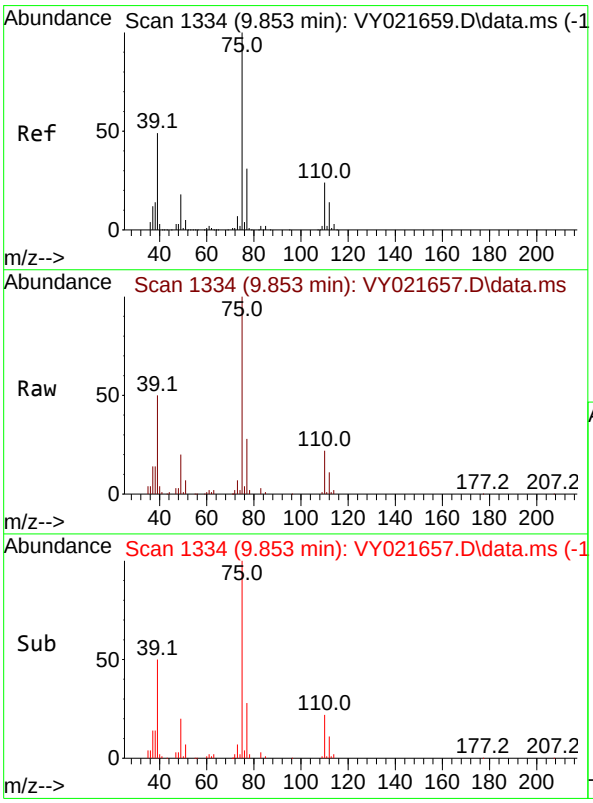
Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

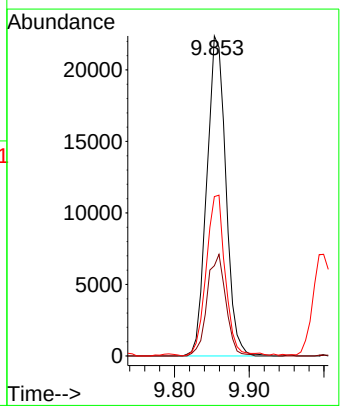
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

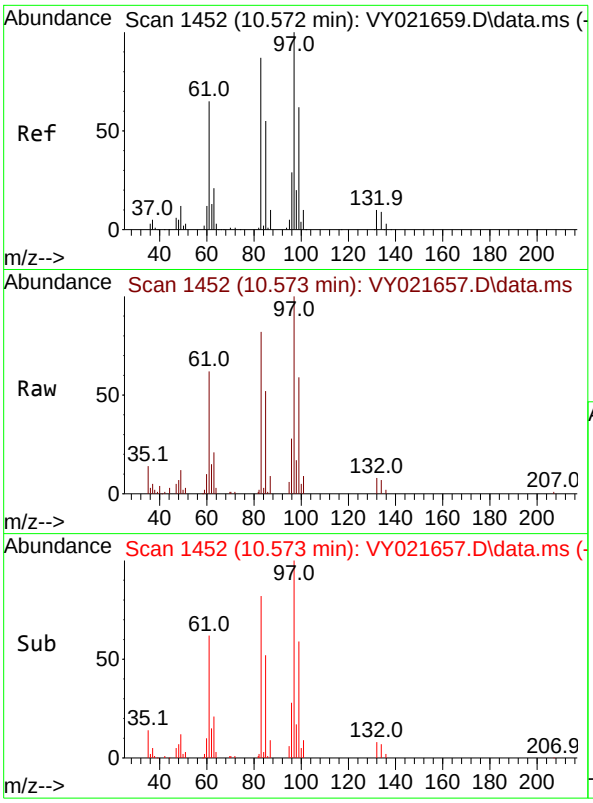


#54
cis-1,3-Dichloropropene
Concen: 10.186 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 39609

Ion	Ratio	Lower	Upper
75	100		
77	28.2	24.9	37.3
39	49.6	39.2	58.8

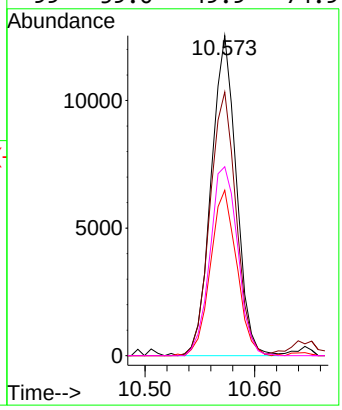




#55
1,1,2-Trichloroethane
Concen: 10.879 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 97 Resp: 2005

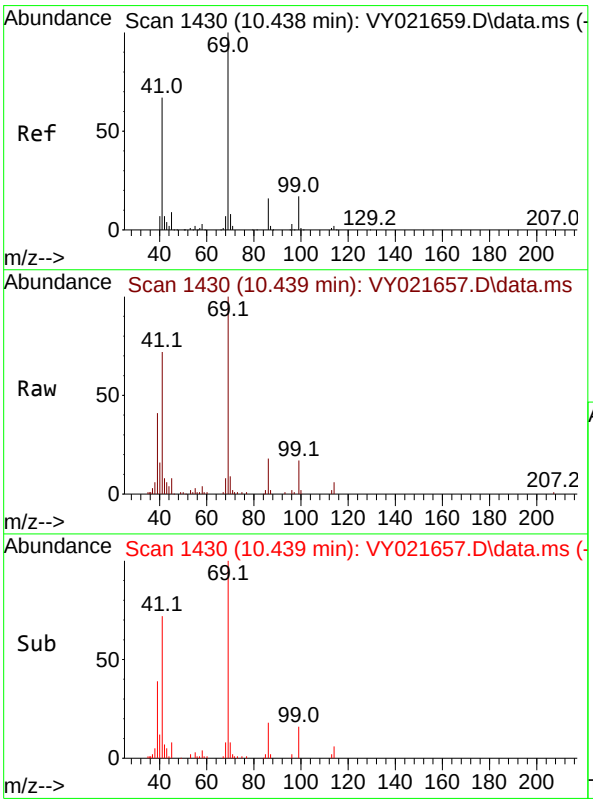
Ion	Ratio	Lower	Upper
97	100		
83	82.4	69.5	104.3
85	51.3	43.9	65.9
99	59.0	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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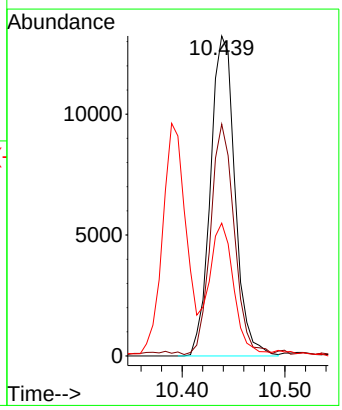
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

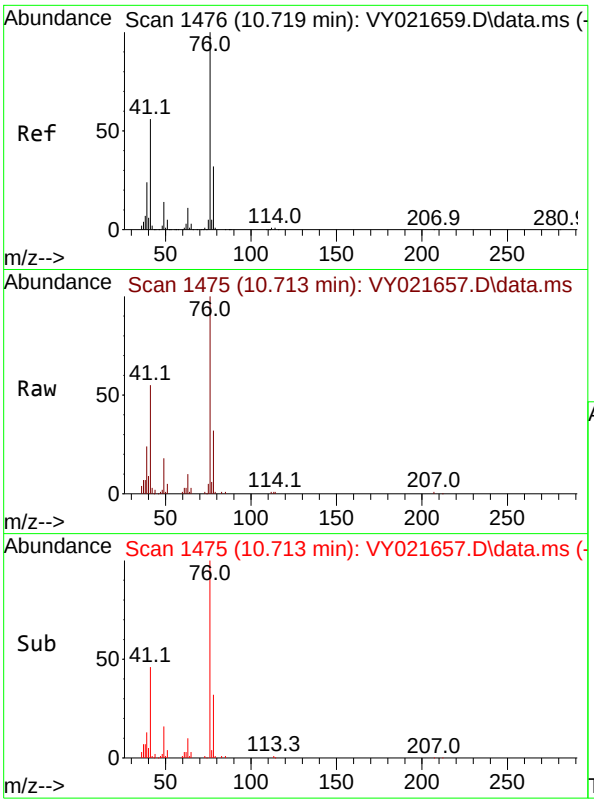


#56
Ethyl methacrylate
Concen: 9.307 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 69 Resp: 21901

Ion	Ratio	Lower	Upper
69	100		
41	70.1	53.8	80.6
39	40.2	29.6	44.4





#57
1,3-Dichloropropane
Concen: 10.467 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

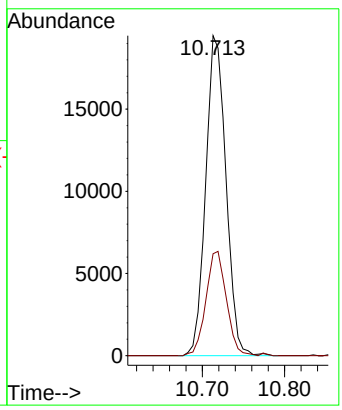
Tgt Ion: 76 Resp: 3331

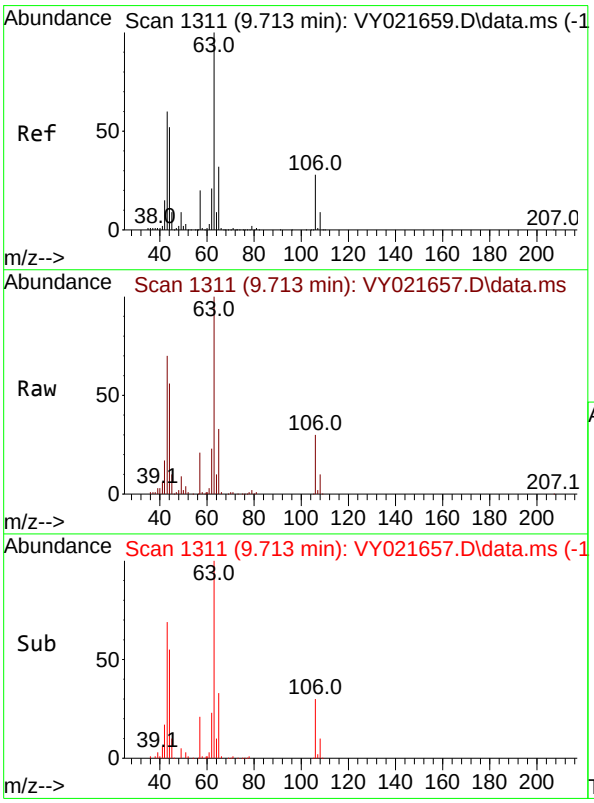
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

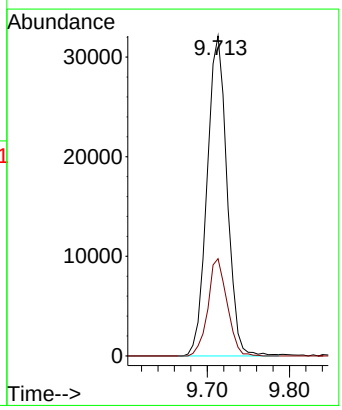


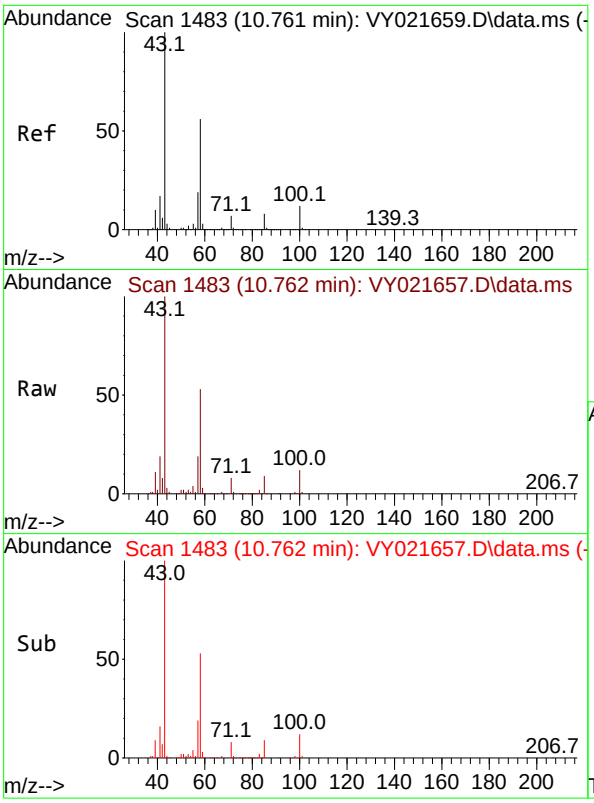


#58
2-Chloroethyl Vinyl ether
Concen: 47.274 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 63 Resp: 54271

Ion	Ratio	Lower	Upper
63	100		
106	29.2	22.4	33.6





#59
2-Hexanone
Concen: 50.295 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

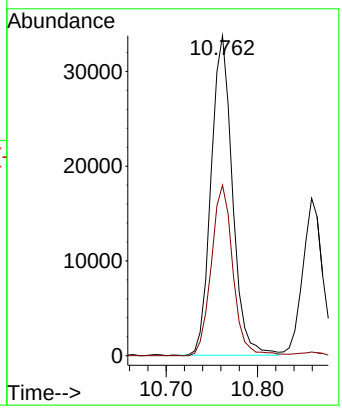
Tgt Ion: 43 Resp: 5464

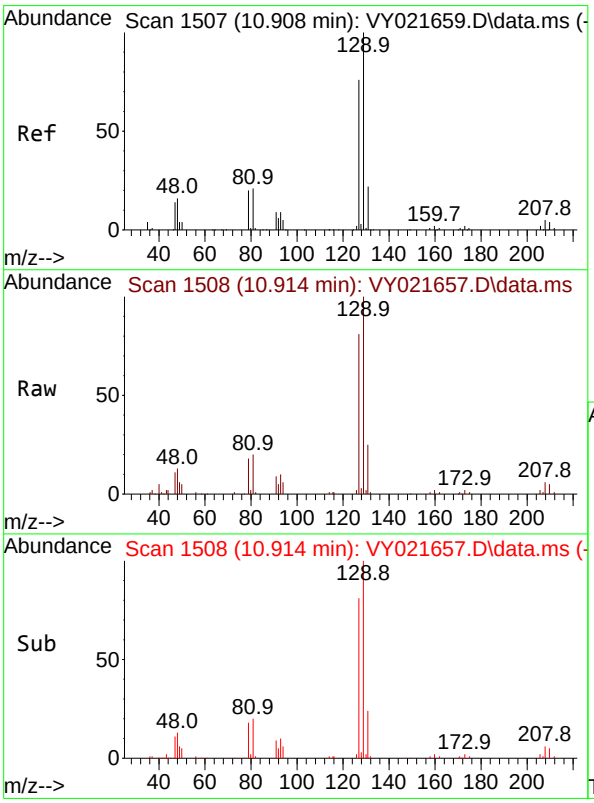
Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.2	81.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

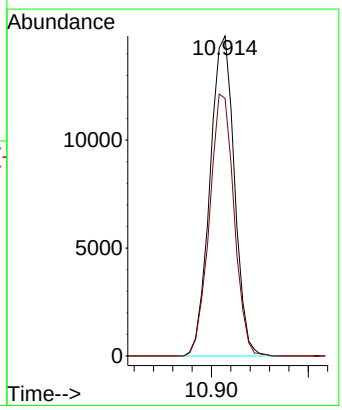


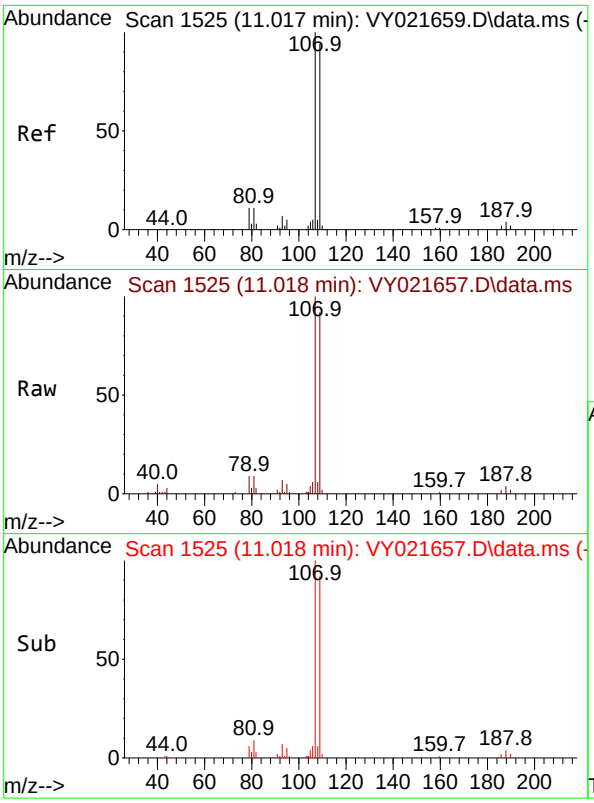


#60
Dibromochloromethane
Concen: 10.346 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:129 Resp: 26032

Ion	Ratio	Lower	Upper
129	100		
127	82.2	38.6	115.7

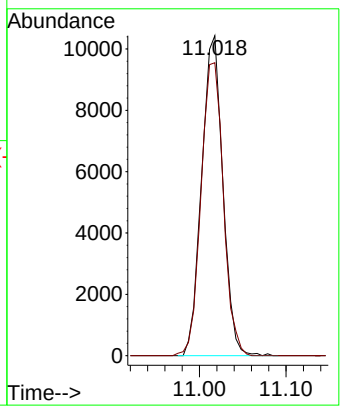




#61
1,2-Dibromoethane
Concen: 10.251 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:107 Resp: 1772

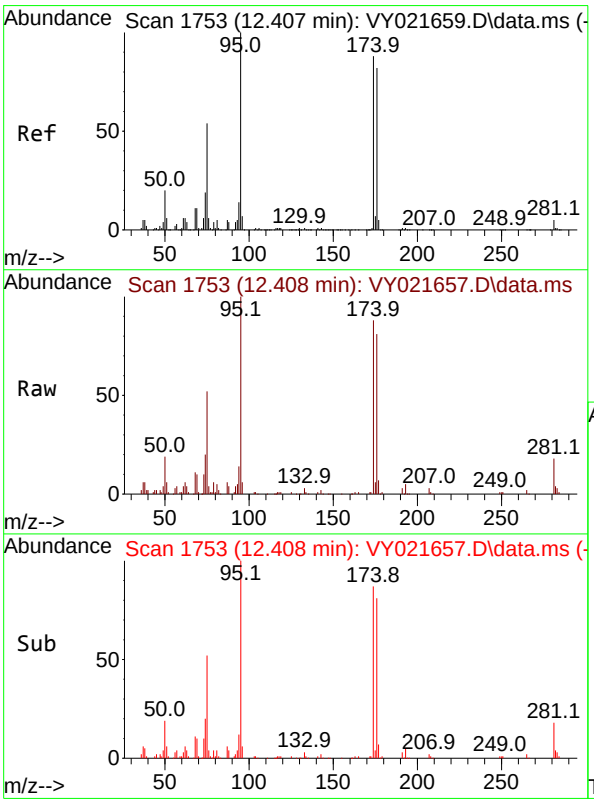
Ion	Ratio	Lower	Upper
107	100		
109	96.3	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

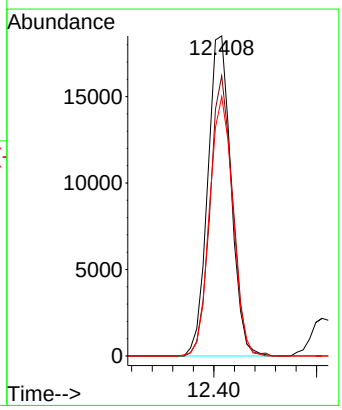
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

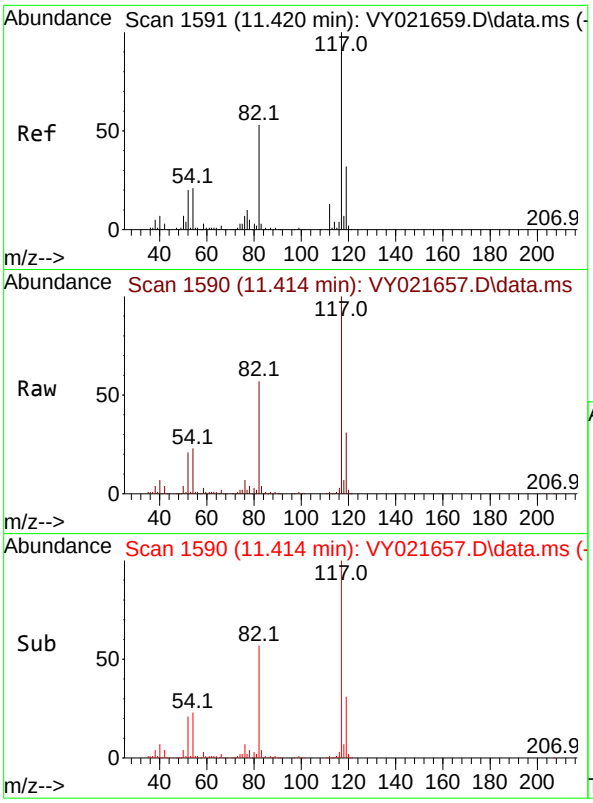


#62
4-Bromofluorobenzene
Concen: 9.835 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 95 Resp: 29125

Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	170.8
176	81.1	0.0	162.0

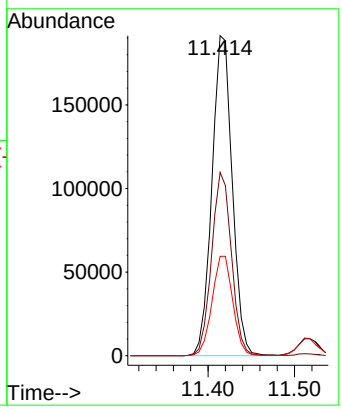




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:117 Resp: 31173

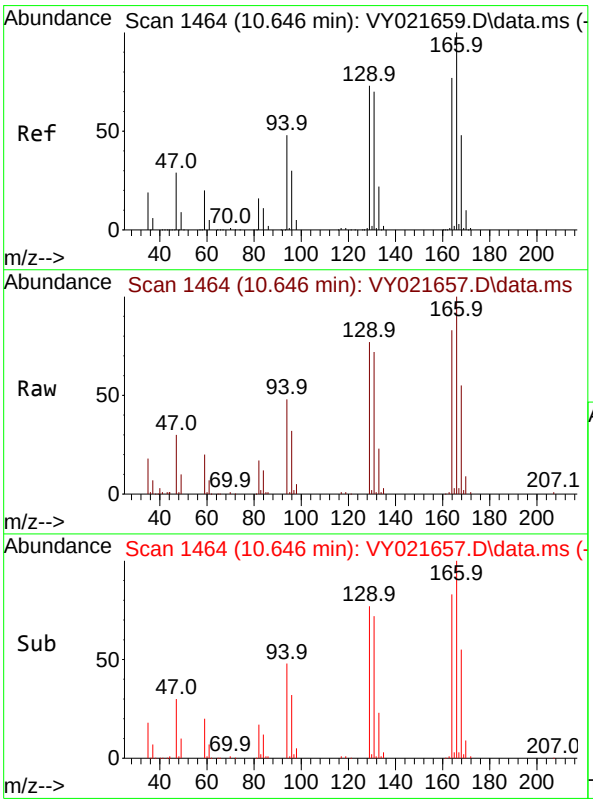
Ion	Ratio	Lower	Upper
117	100		
82	57.2	42.8	64.2
119	31.0	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

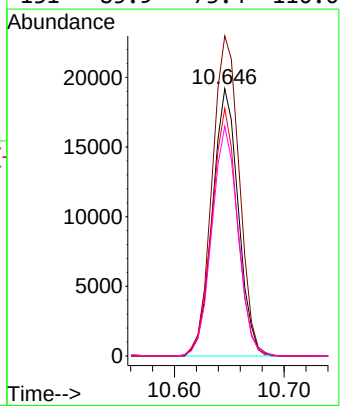
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

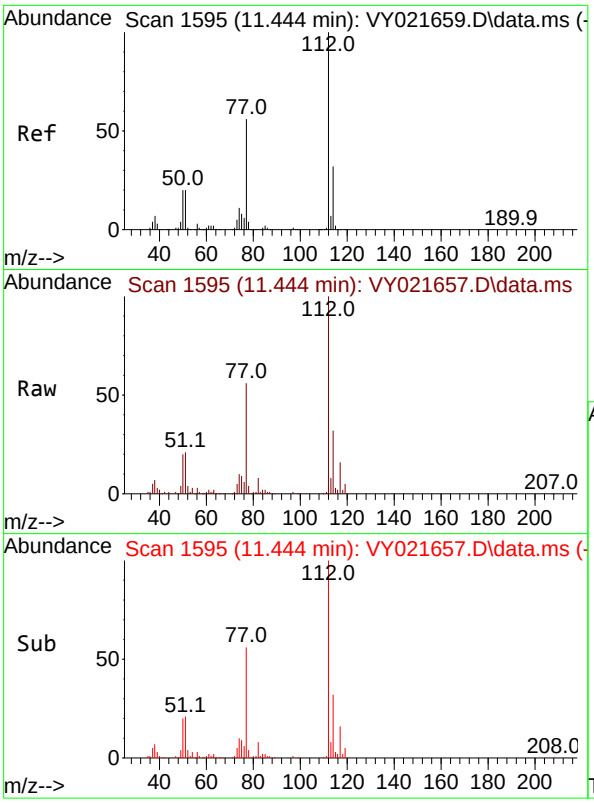


#64
Tetrachloroethene
Concen: 11.036 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:164 Resp: 31334

Ion	Ratio	Lower	Upper
164	100		
166	119.8	104.6	156.8
129	92.6	76.6	114.8
131	85.9	73.4	110.0

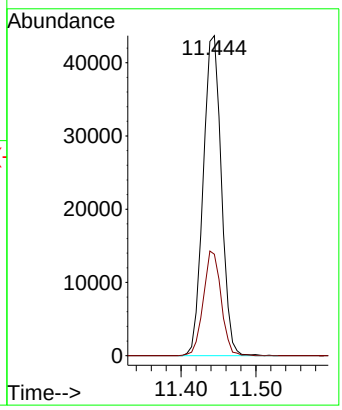




#65
Chlorobenzene
Concen: 10.276 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:112 Resp: 7343

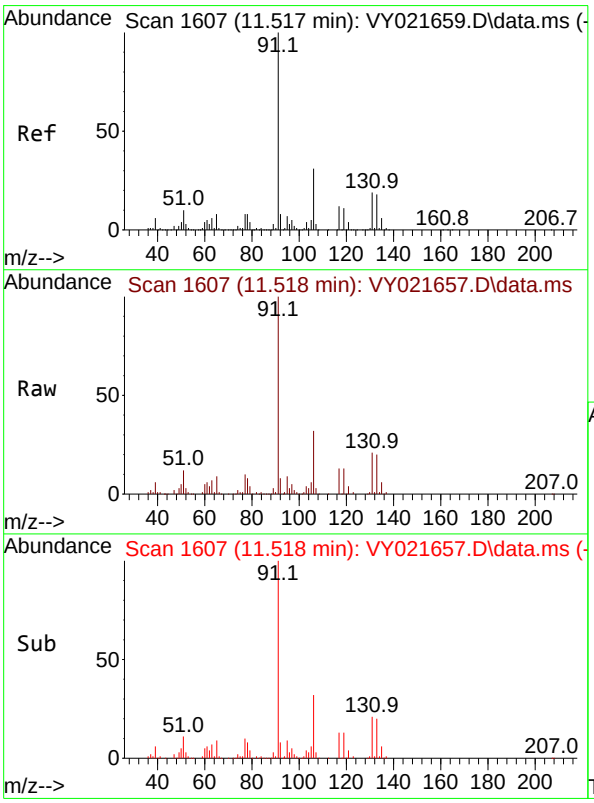
Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

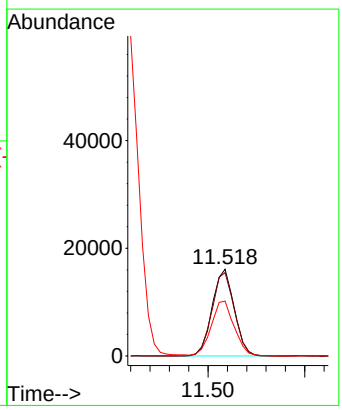
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

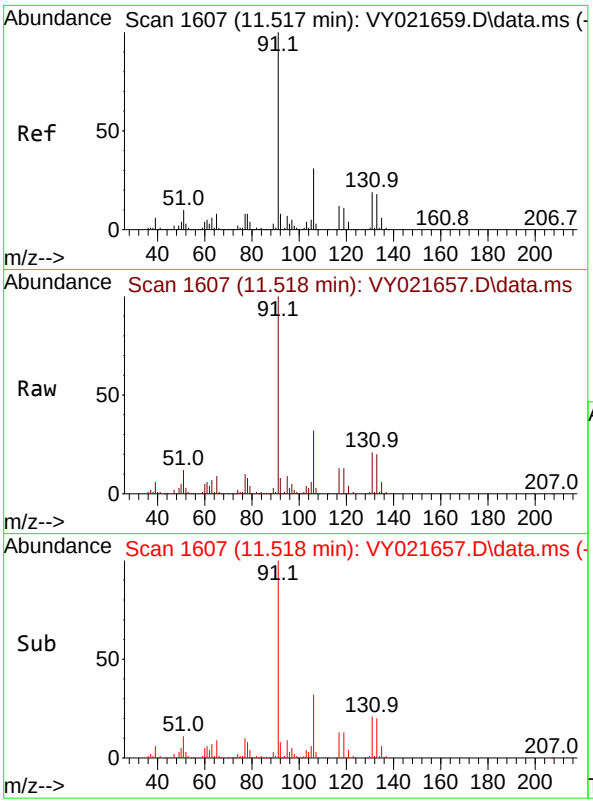


#66
1,1,1,2-Tetrachloroethane
Concen: 10.060 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:131 Resp: 25506

Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.3	141.8
119	65.9	31.6	95.0

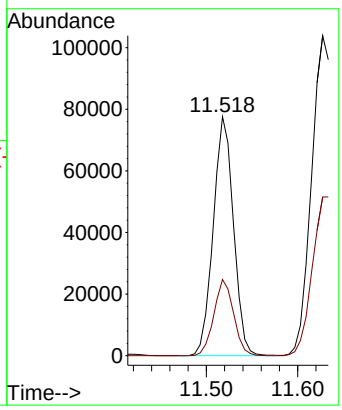




#67
Ethyl Benzene
Concen: 9.750 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 91 Resp: 11948

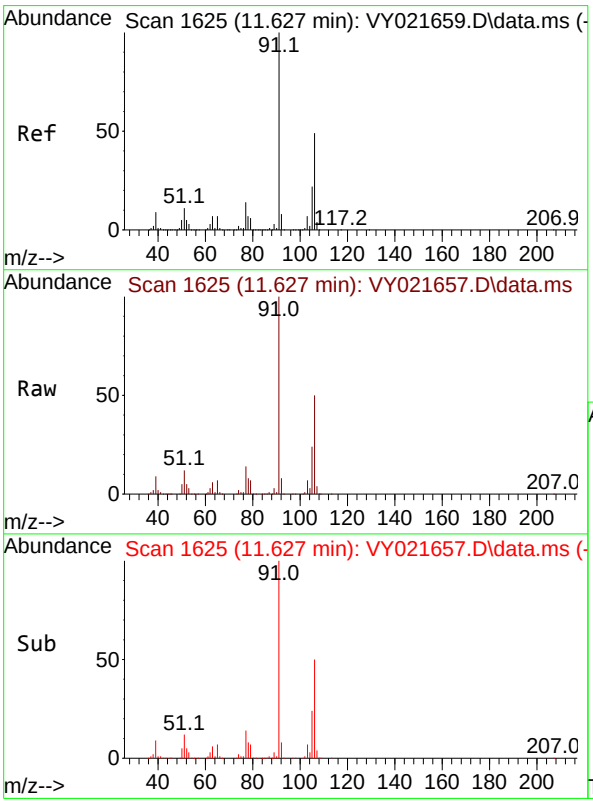
Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

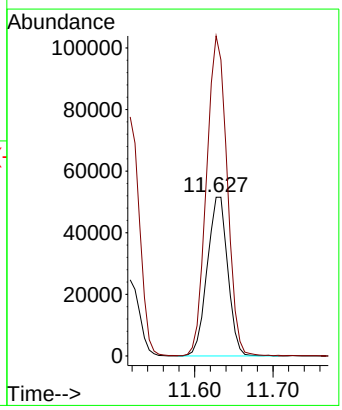
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

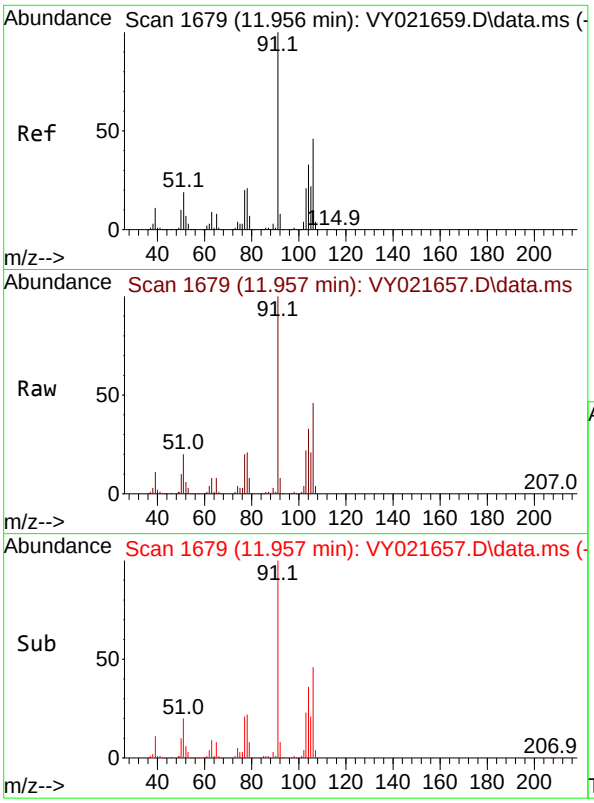


#68
m/p-Xylenes
Concen: 20.009 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:106 Resp: 93887

Ion	Ratio	Lower	Upper
106	100		
91	201.5	162.4	243.6

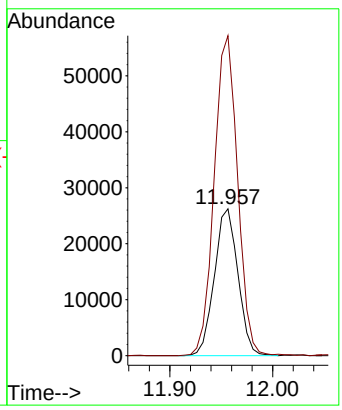




#69
o-Xylene
Concen: 9.643 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:106 Resp: 4176

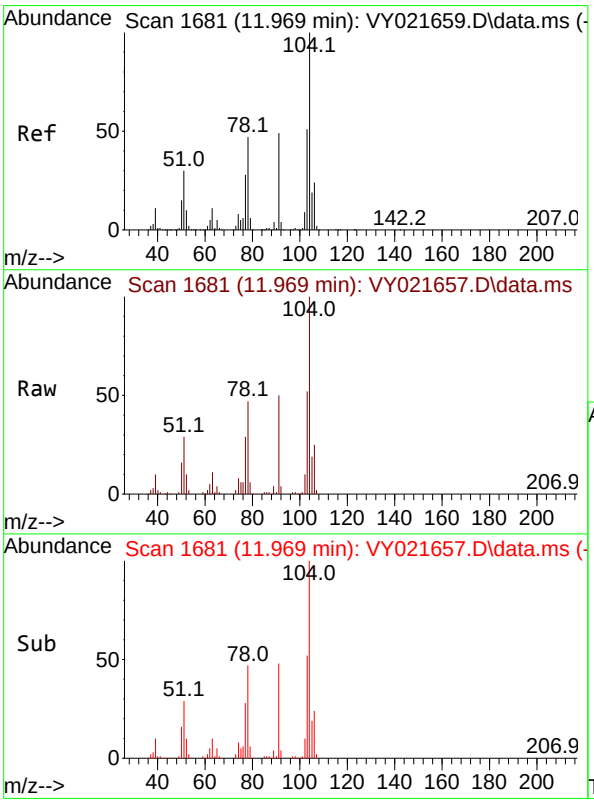
Ion	Ratio	Lower	Upper
106	100		
91	216.6	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

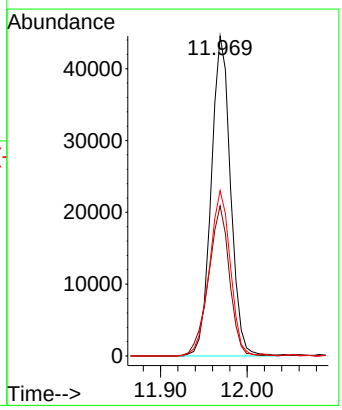
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

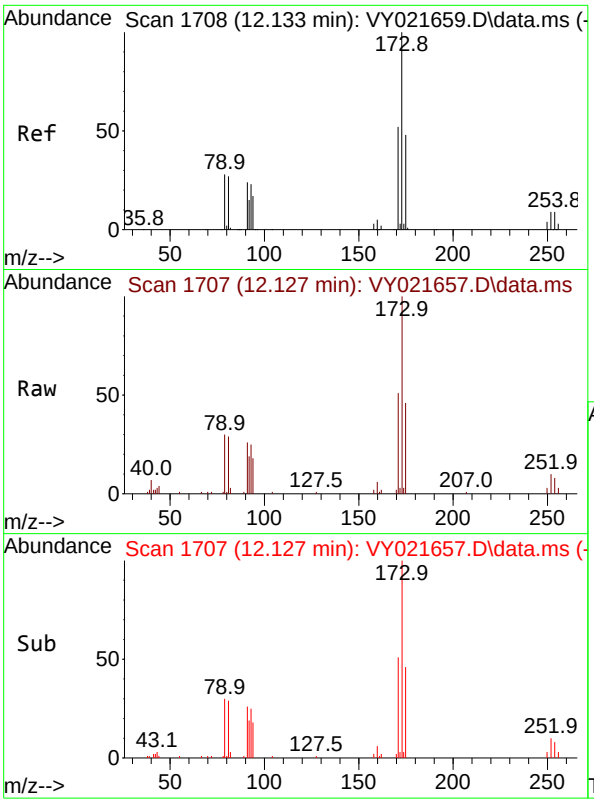


#70
Styrene
Concen: 9.581 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:104 Resp: 69196

Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.8	61.2
103	56.1	44.2	66.2

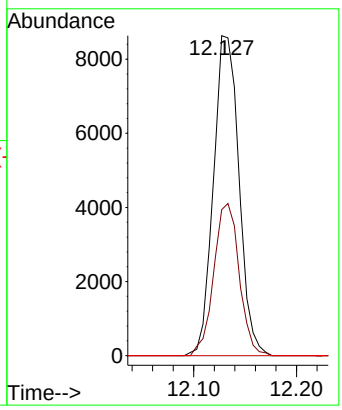




#71
Bromoform
Concen: 10.294 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:173 Resp: 1488

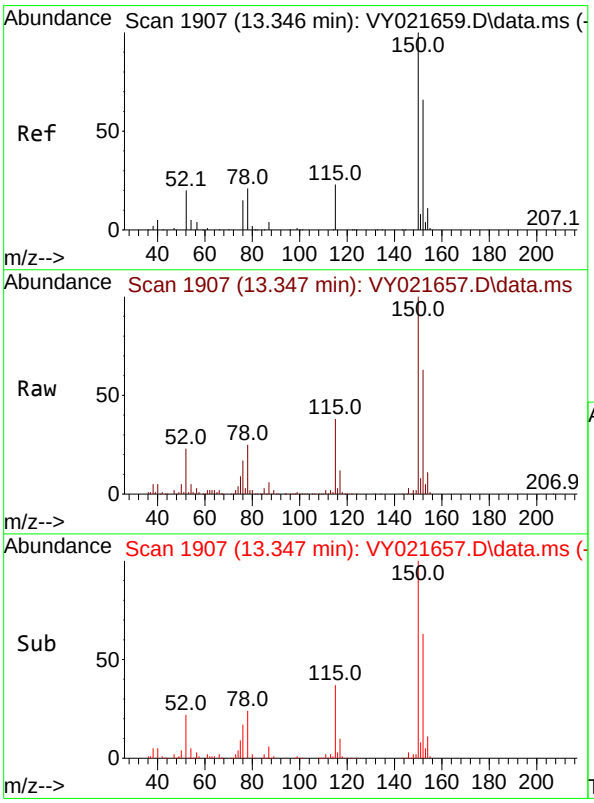
Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.3	73.0
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

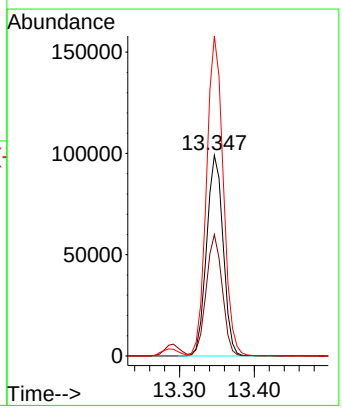
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

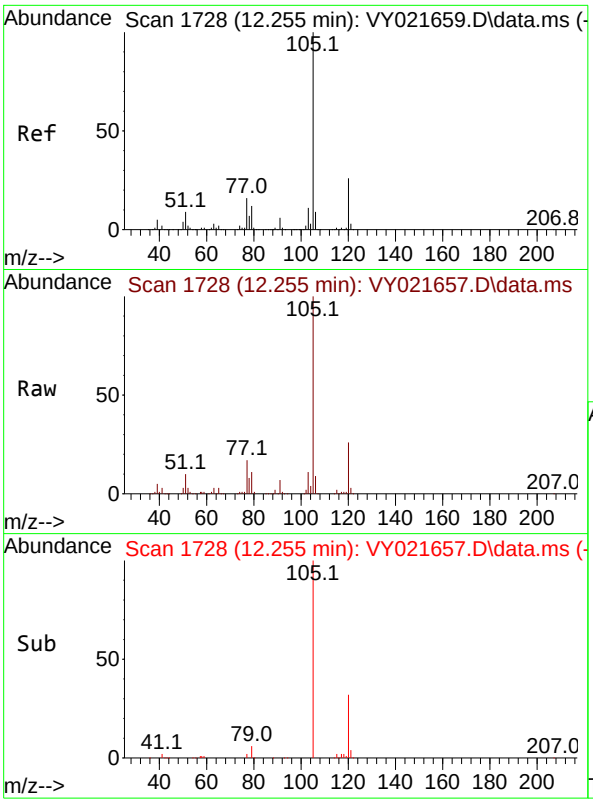


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:152 Resp: 152005

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.8	86.5
150	161.6	0.0	348.4

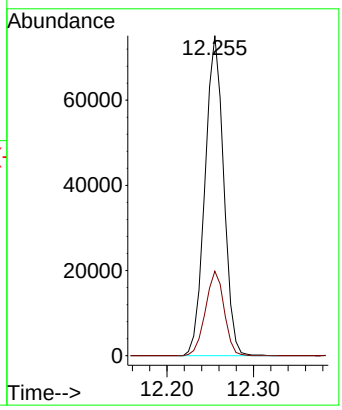




#73
Isopropylbenzene
Concen: 9.966 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:105 Resp: 11251

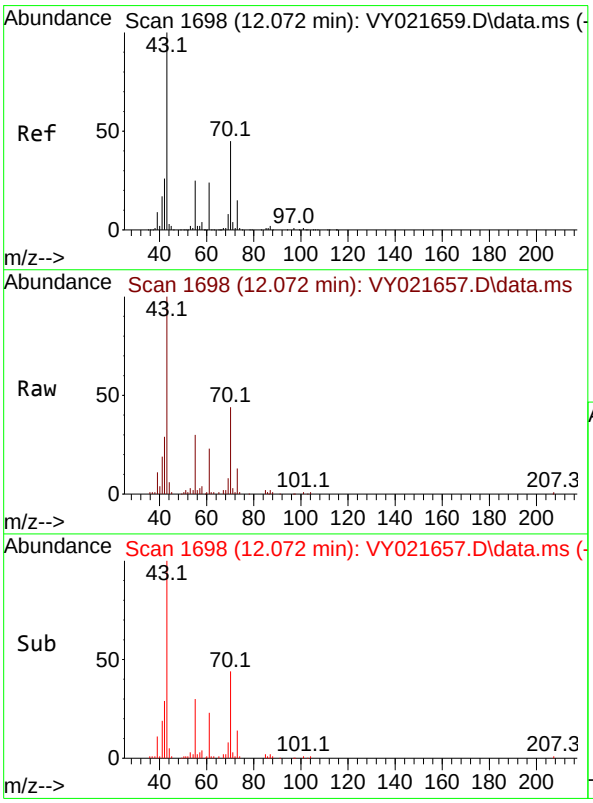
Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

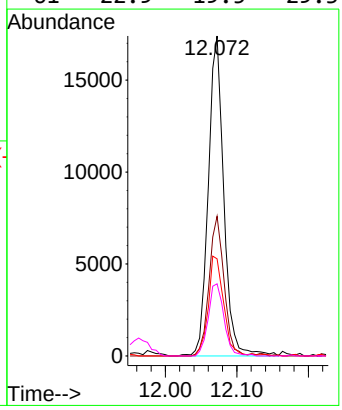
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

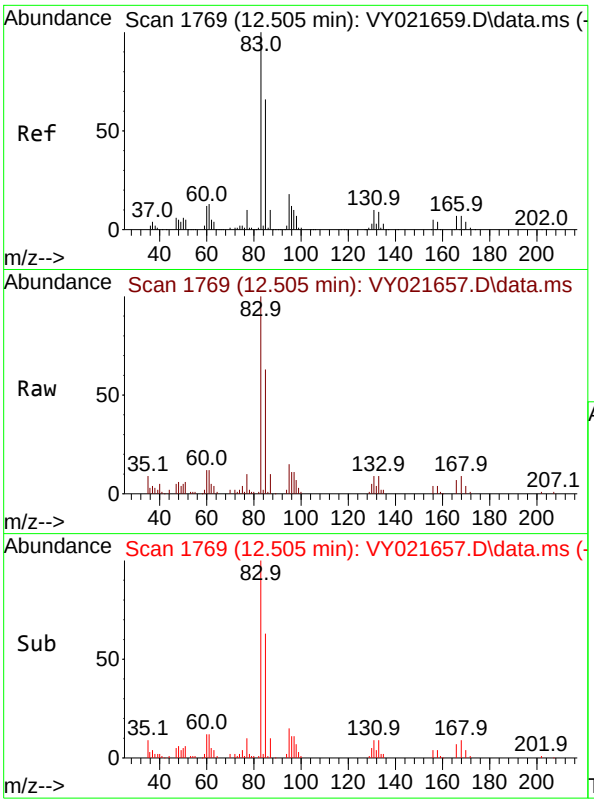


#74
N-amyl acetate
Concen: 9.910 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 43 Resp: 26259

Ion	Ratio	Lower	Upper
43	100		
70	41.9	34.7	52.1
55	30.8	21.2	31.8
61	22.9	19.5	29.3

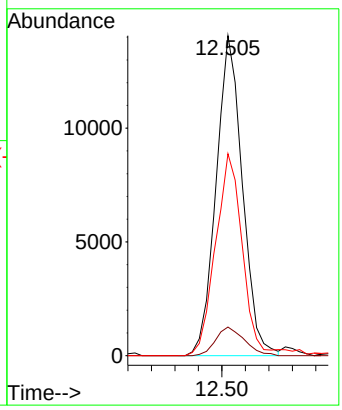




#75
1,1,2,2-Tetrachloroethane
Concen: 10.781 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 83 Resp: 2188

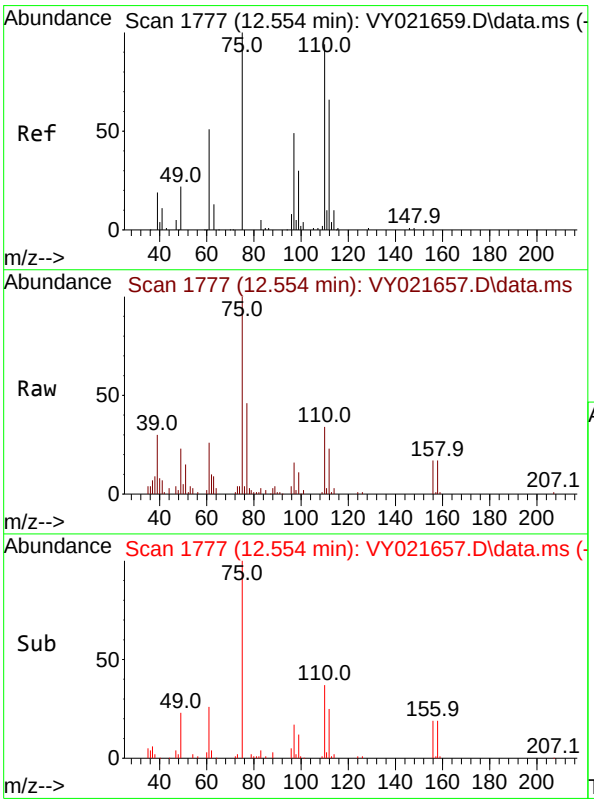
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.3
85	65.8	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

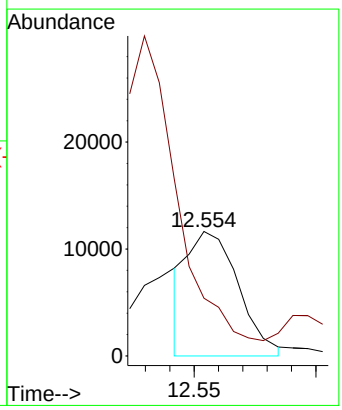
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

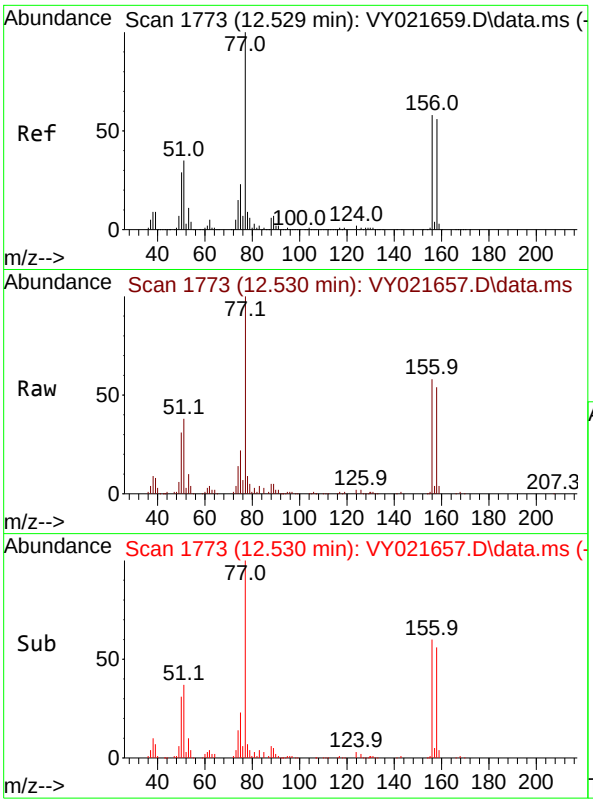


#76
1,2,3-Trichloropropane
Concen: 11.300 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 17026

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

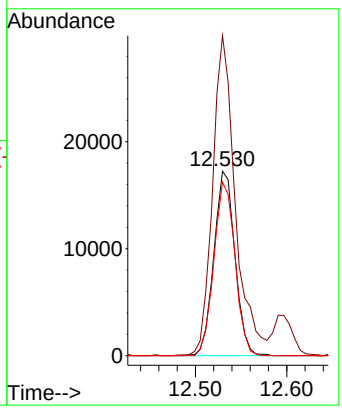




#77
Bromobenzene
Concen: 10.199 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:156 Resp: 2764

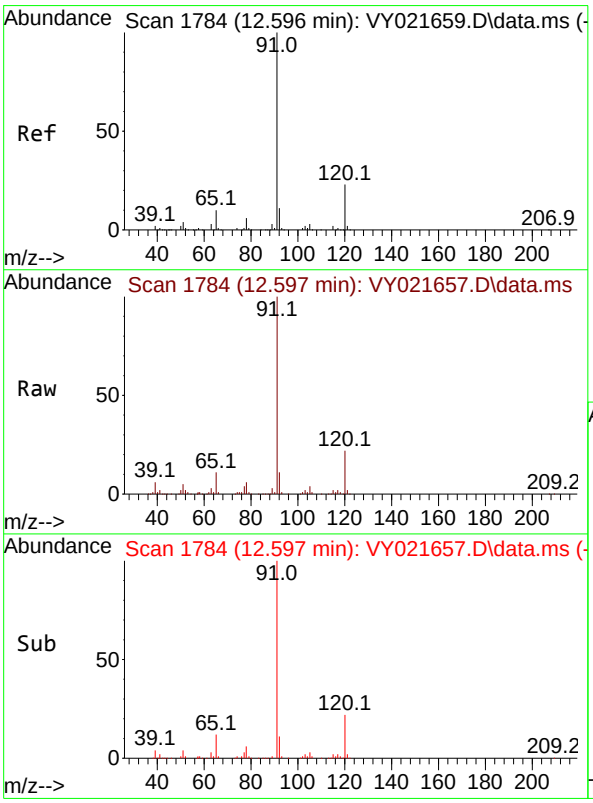
Ion	Ratio	Lower	Upper
156	100		
77	187.1	92.8	278.3
158	94.2	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

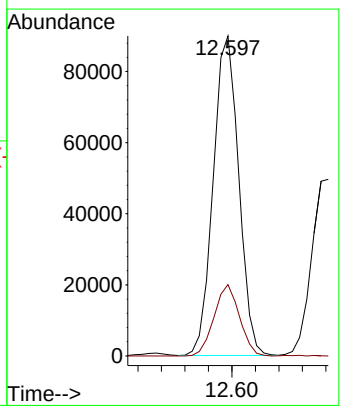
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

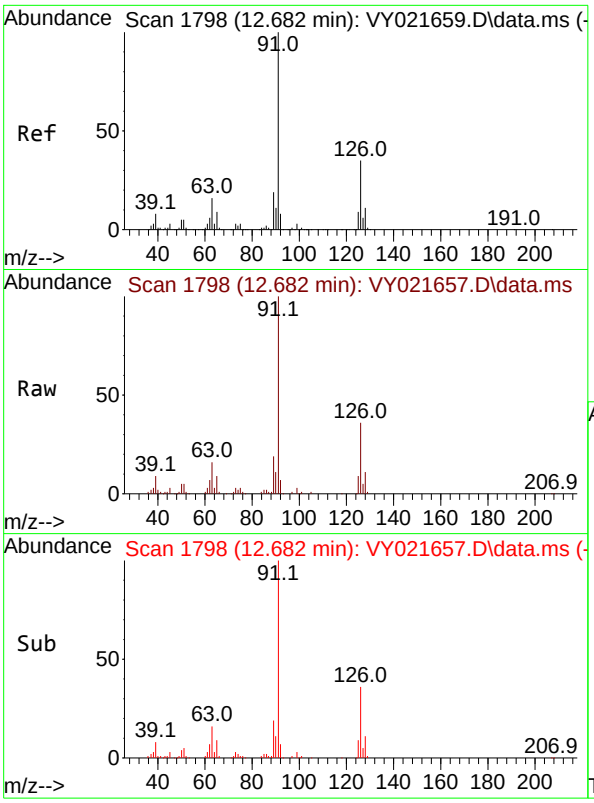


#78
n-propylbenzene
Concen: 9.983 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 91 Resp: 135498

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.9

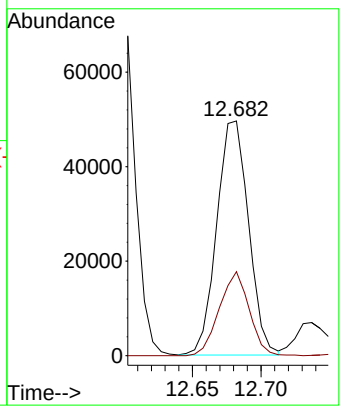




#79
2-Chlorotoluene
Concen: 10.158 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 91 Resp: 8007

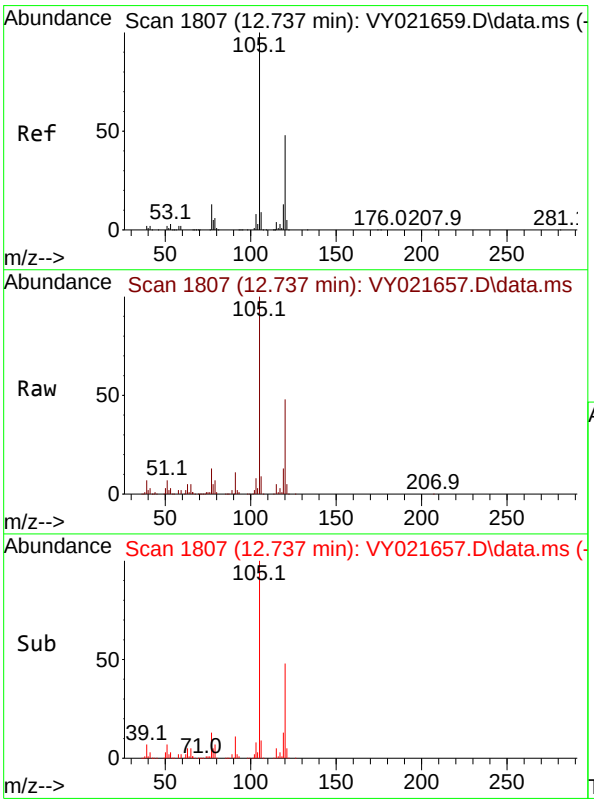
Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

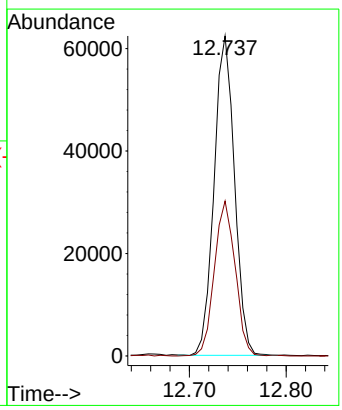
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

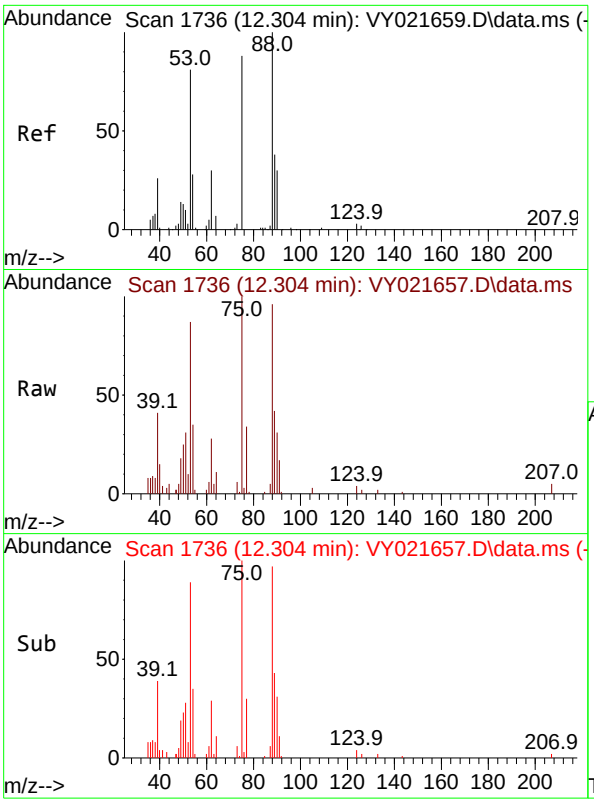


#80
1,3,5-Trimethylbenzene
Concen: 9.888 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:105 Resp: 91235

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.5	73.5

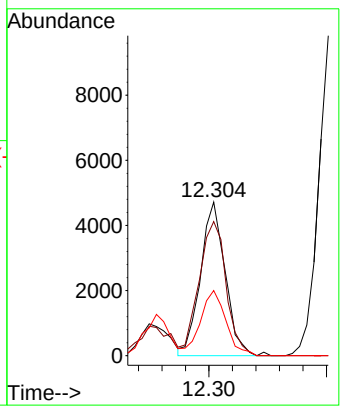




#81
trans-1,4-Dichloro-2-butene
Concen: 10.550 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 689

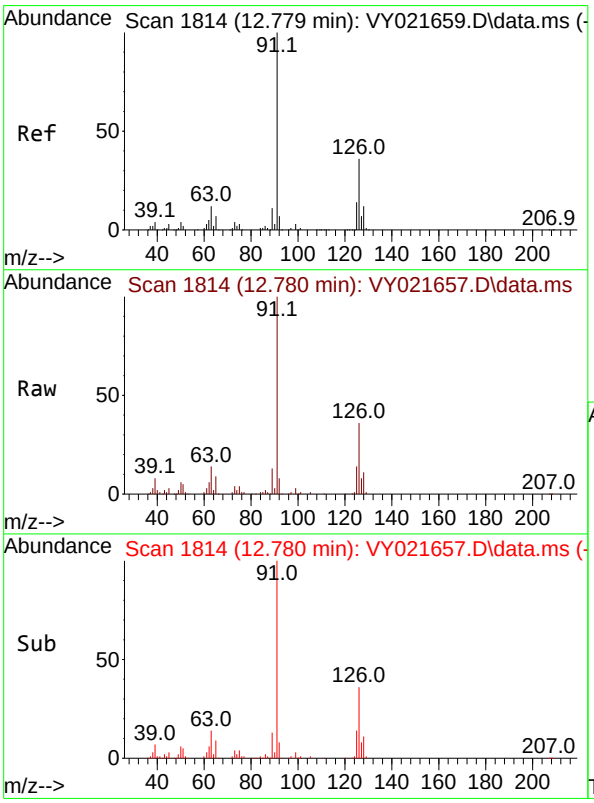
Ion	Ratio	Lower	Upper
75	100		
53	95.8	76.1	114.1
89	44.2	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

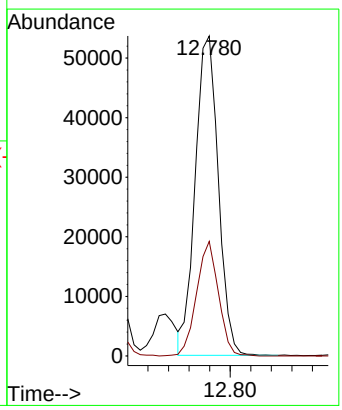
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

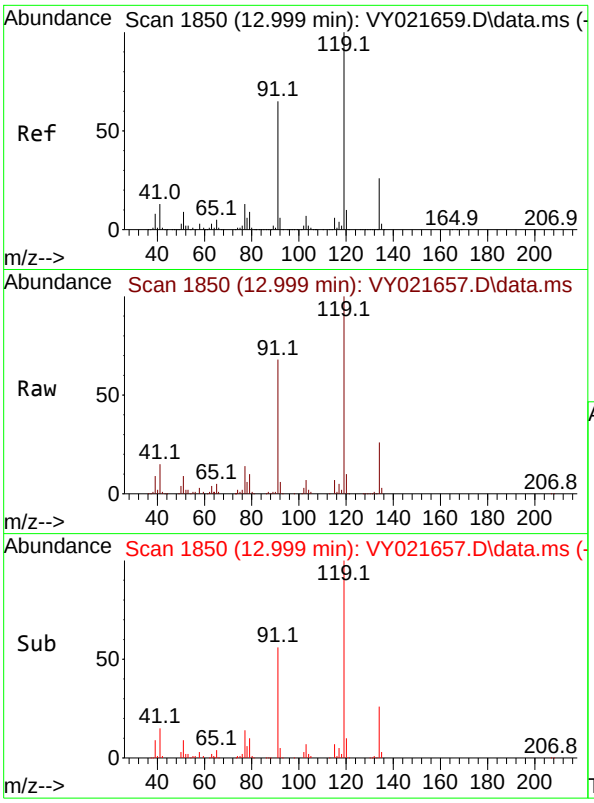


#82
4-Chlorotoluene
Concen: 10.157 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 91 Resp: 83484

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9

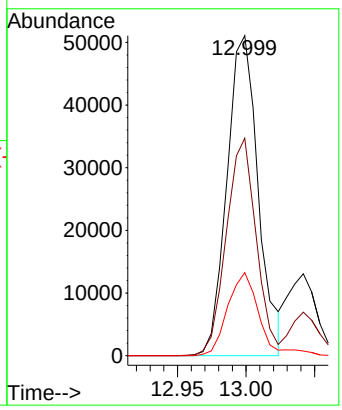




#83
tert-Butylbenzene
Concen: 9.892 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:119 Resp: 8129

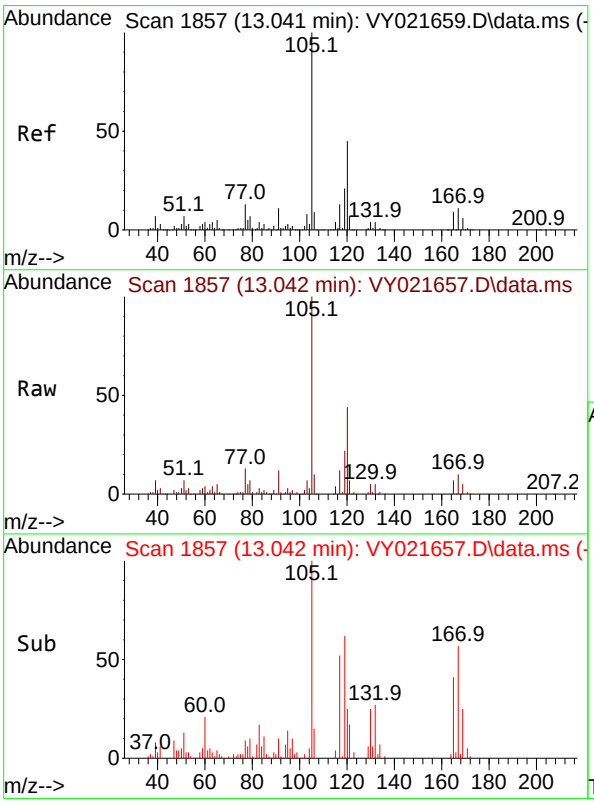
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.2	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

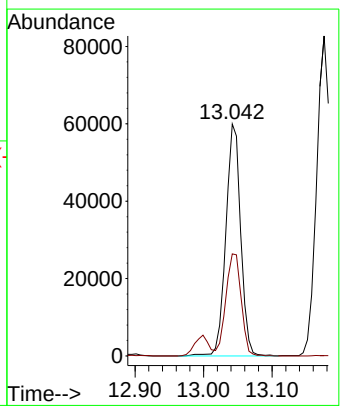
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

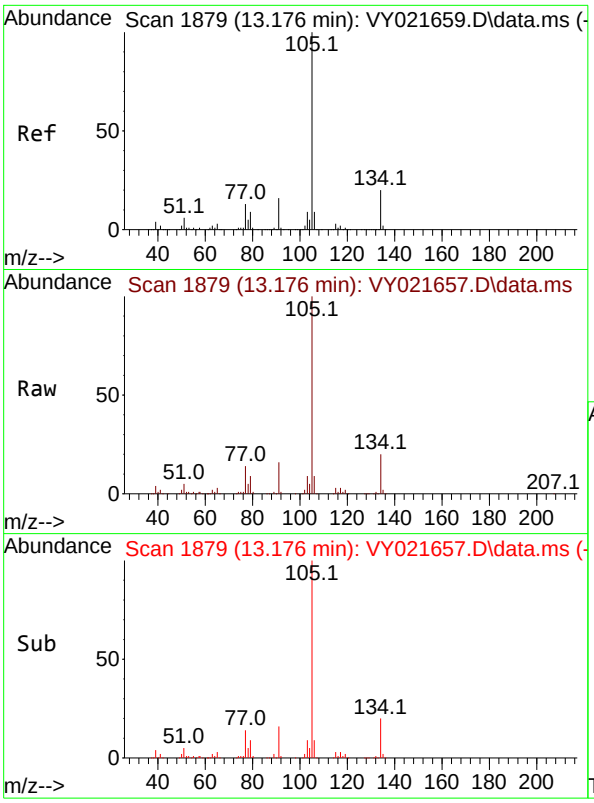


#84
1,2,4-Trimethylbenzene
Concen: 9.884 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:105 Resp: 90142

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.7	68.1

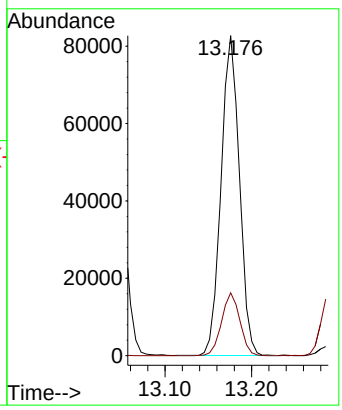




#85
sec-Butylbenzene
Concen: 10.122 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:105 Resp: 12157

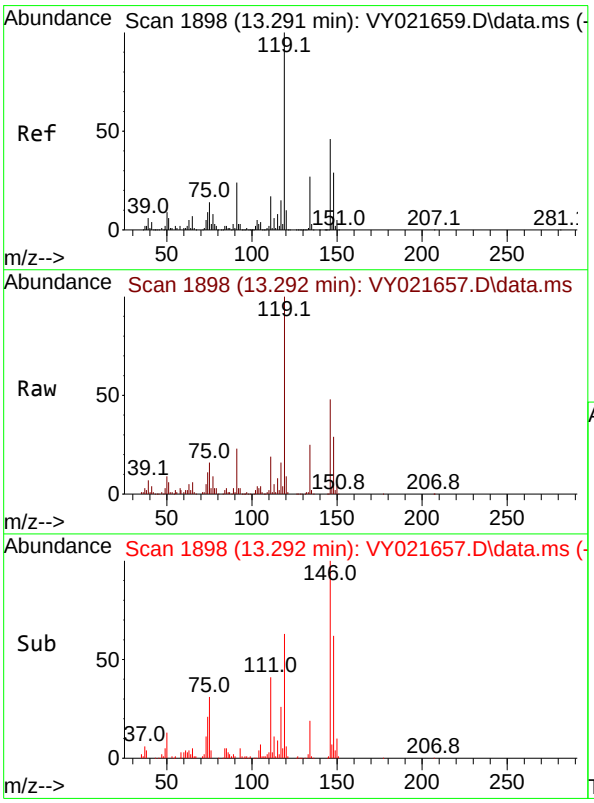
Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

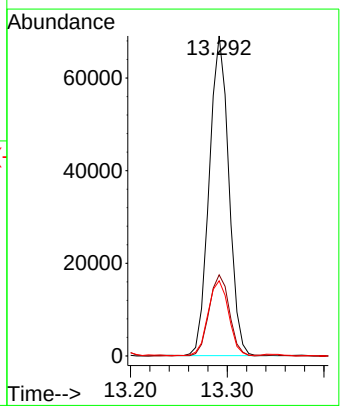
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

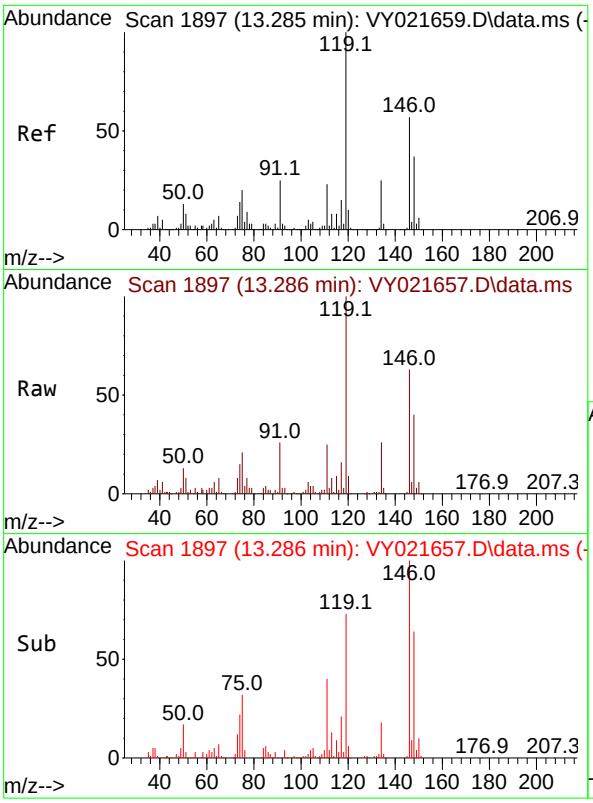


#86
p-Isopropyltoluene
Concen: 9.781 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:119 Resp: 97092

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.5
91	24.6	12.0	36.0

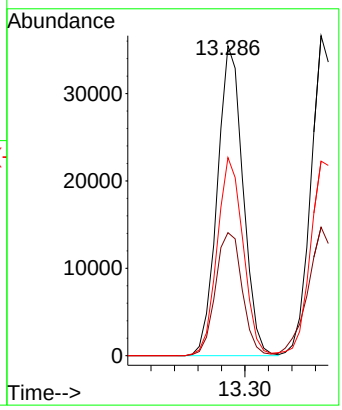




#87
1,3-Dichlorobenzene
Concen: 10.098 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:146 Resp: 5392

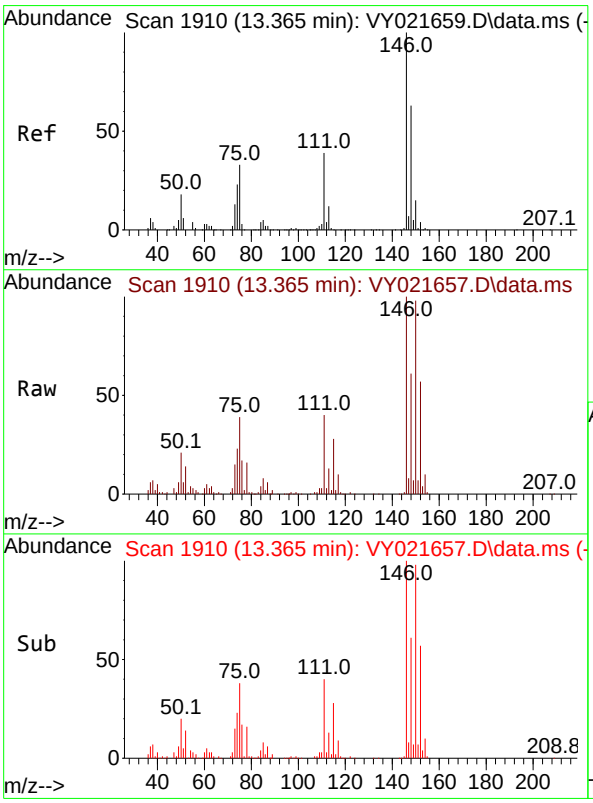
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.0	60.0
148	64.4	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

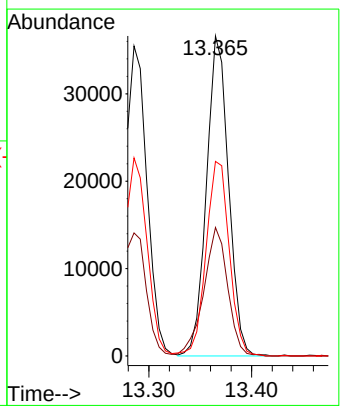
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

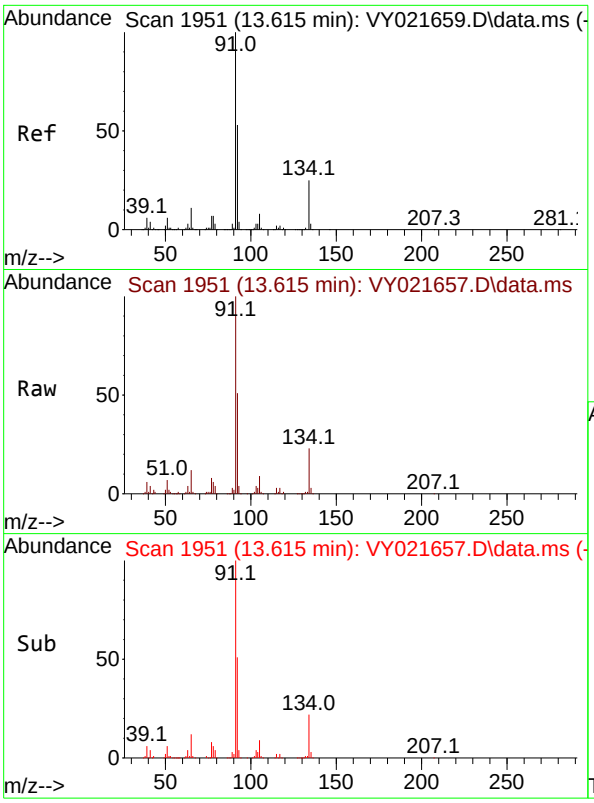


#88
1,4-Dichlorobenzene
Concen: 10.336 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:146 Resp: 54536

Ion	Ratio	Lower	Upper
146	100		
111	43.6	19.1	57.1
148	64.4	31.5	94.5

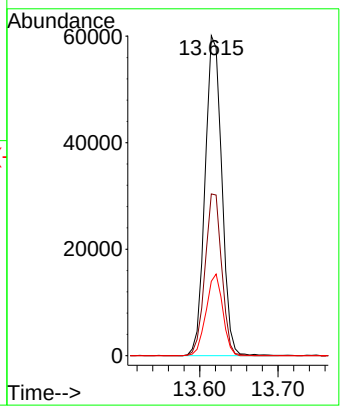




#89
n-Butylbenzene
Concen: 9.712 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 91 Resp: 8916

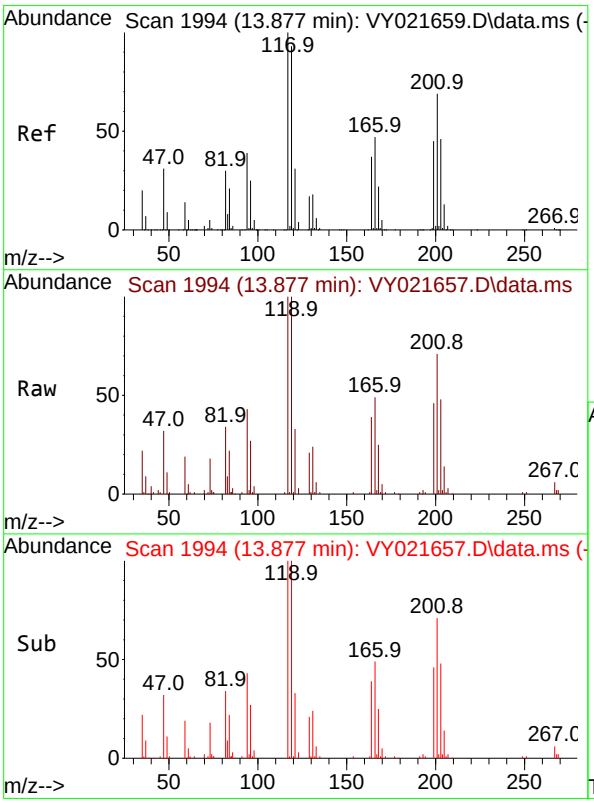
Ion	Ratio	Lower	Upper
91	100		
92	50.3	26.4	79.2
134	25.4	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

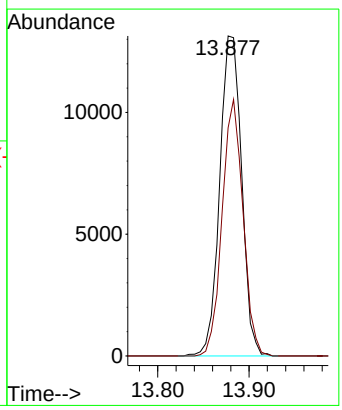
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

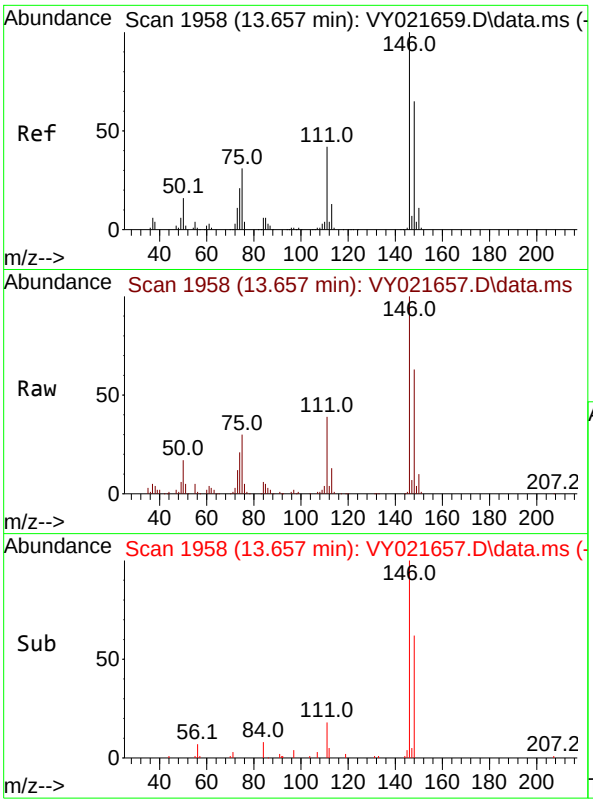


#90
Hexachloroethane
Concen: 10.059 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:117 Resp: 21881

Ion	Ratio	Lower	Upper
117	100		
201	76.5	37.4	112.1

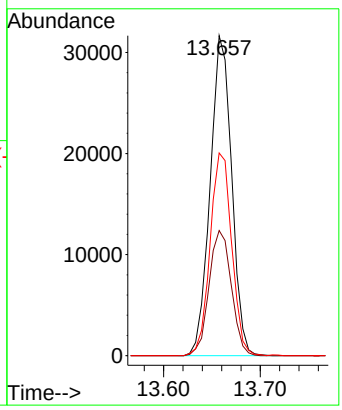




#91
1,2-Dichlorobenzene
Concen: 10.506 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:146 Resp: 4884

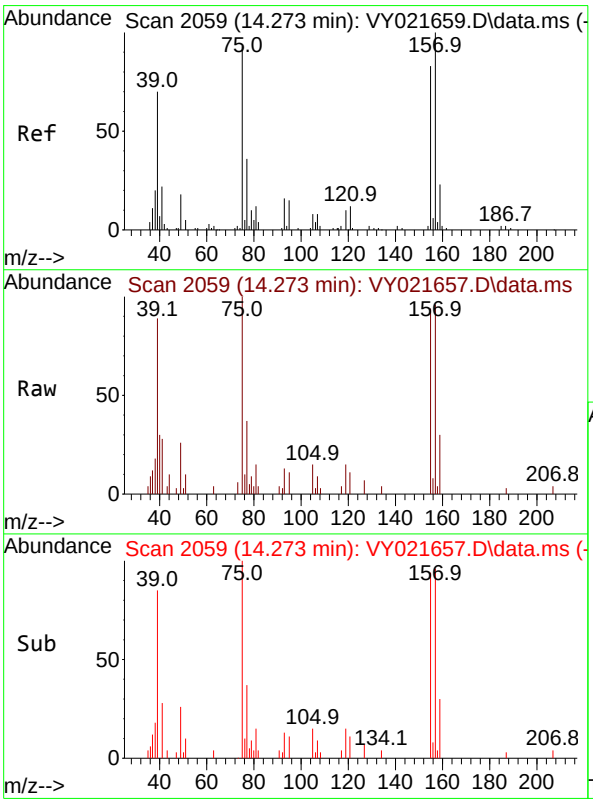
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.7	62.1
148	63.8	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

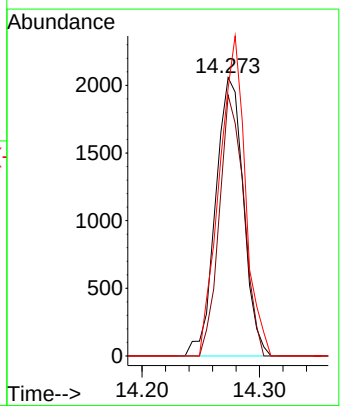
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

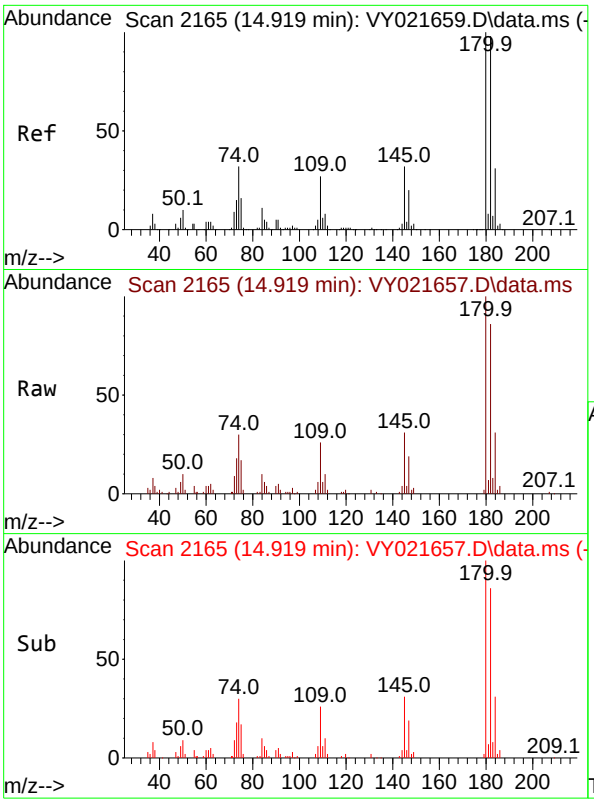


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.766 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion: 75 Resp: 3387

Ion	Ratio	Lower	Upper
75	100		
155	82.8	43.0	128.8
157	107.6	54.0	162.0

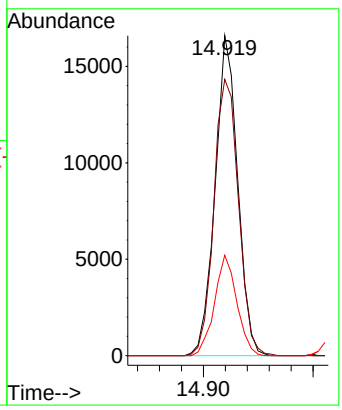




#93
1,2,4-Trichlorobenzene
Concen: 9.419 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:180 Resp: 2374

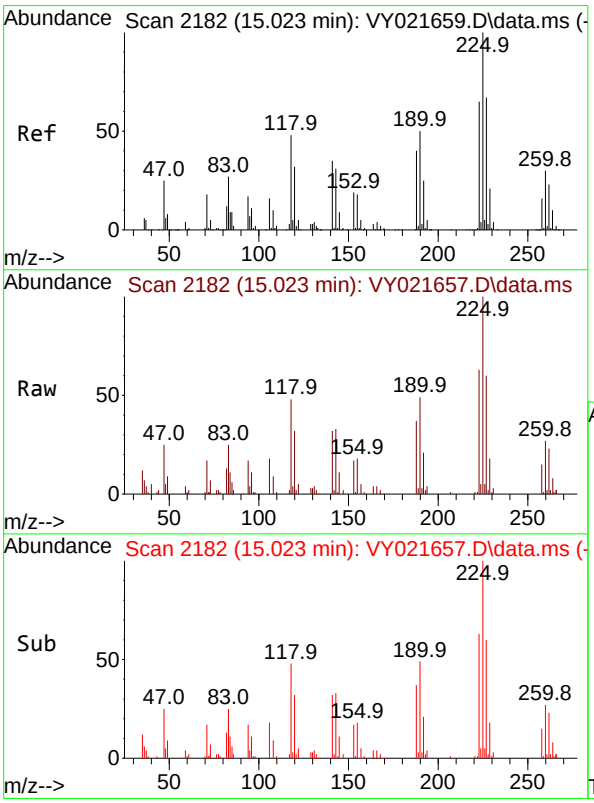
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.6
145	31.1	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

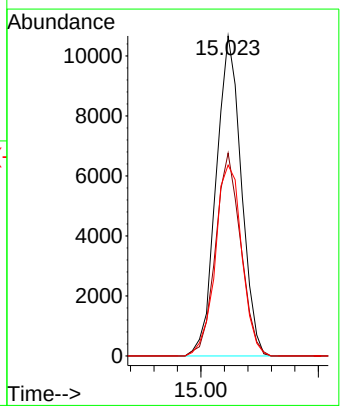
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

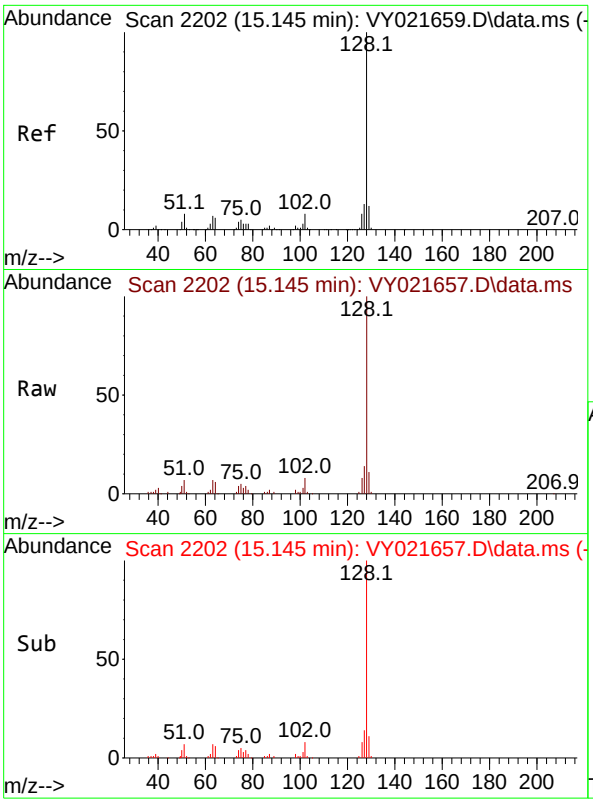


#94
Hexachlorobutadiene
Concen: 10.063 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:225 Resp: 15844

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	63.0	32.4	97.0

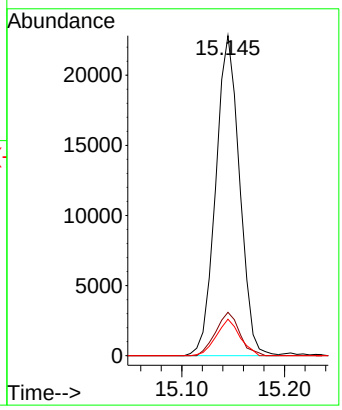




#95
Naphthalene
Concen: 8.785 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:128 Resp: 3671

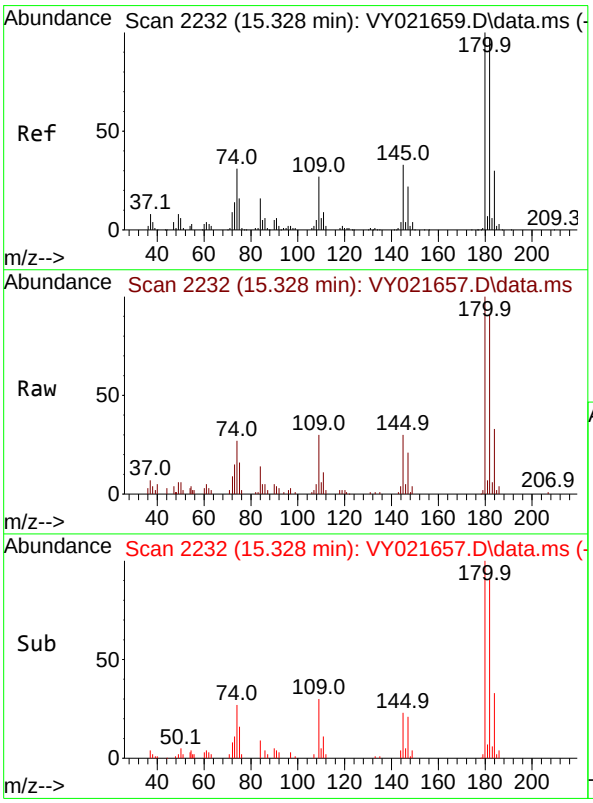
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	11.3	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

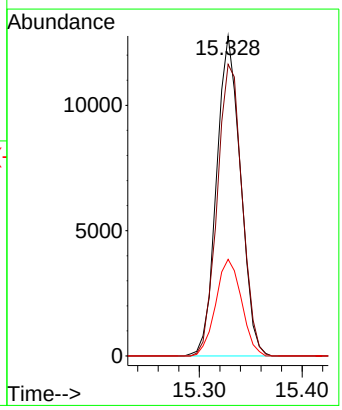
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.633 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021657.D
Acq: 27 Mar 2025 10:31

Tgt Ion:180 Resp: 20711

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.5	142.5
145	32.4	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	234060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	372865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	325153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	47022	18.542	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.080%#		
35) Dibromofluoromethane	7.634	113	43318	17.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	35.820%#		
50) Toluene-d8	10.109	98	168040	18.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	36.520%#		
62) 4-Bromofluorobenzene	12.408	95	56308	18.092	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	36.180%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	46121	19.011	ug/l	98
3) Chloromethane	2.068	50	66775	19.575	ug/l	100
4) Vinyl Chloride	2.202	62	75860	19.664	ug/l	98
5) Bromomethane	2.586	94	50238	19.093	ug/l	91
6) Chloroethane	2.733	64	50953	20.184	ug/l	96
7) Trichlorofluoromethane	3.056	101	103348	20.913	ug/l	98
8) Diethyl Ether	3.452	74	26594	19.788	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	51794	19.871	ug/l	99
10) Methyl Iodide	4.001	142	57115	19.974	ug/l	97
11) Tert butyl alcohol	4.860	59	16115	97.834	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	47534	19.362	ug/l	98
13) Acrolein	3.653	56	29827	99.170	ug/l	99
14) Allyl chloride	4.385	41	75169	19.203	ug/l	98
15) Acrylonitrile	5.061	53	54478	97.084	ug/l	97
16) Acetone	3.866	43	47787	92.073	ug/l	97
17) Carbon Disulfide	4.104	76	159960	19.782	ug/l	98
18) Methyl Acetate	4.385	43	25160	19.560	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	116736	19.099	ug/l	99
20) Methylene Chloride	4.610	84	55574	19.525	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	53188	19.677	ug/l	96
22) Diisopropyl ether	6.019	45	162151	19.747	ug/l	96
23) Vinyl Acetate	5.958	43	468035	97.433	ug/l	99
24) 1,1-Dichloroethane	5.915	63	95841	19.520	ug/l	98
25) 2-Butanone	6.896	43	69856	94.233	ug/l	97
26) 2,2-Dichloropropane	6.884	77	83932	19.217	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	58567	19.266	ug/l	99
28) Bromochloromethane	7.238	49	39653	19.149	ug/l	99
29) Tetrahydrofuran	7.262	42	45146	94.626	ug/l	100
30) Chloroform	7.415	83	99390	19.462	ug/l	98
31) Cyclohexane	7.701	56	85377	19.075	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	89818	19.459	ug/l	99
36) 1,1-Dichloropropene	7.835	75	72566	19.697	ug/l	99
37) Ethyl Acetate	6.988	43	32313	18.585	ug/l	97
38) Carbon Tetrachloride	7.817	117	81472	19.308	ug/l	97
39) Methylcyclohexane	9.109	83	84802	19.269	ug/l	97
40) Benzene	8.079	78	213074	19.313	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	16483	17.853	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	59552	19.146	ug/l		99
43) Isopropyl Acetate	8.195	43	60795	18.451	ug/l	#	87
44) Trichloroethene	8.866	130	54015	19.215	ug/l		95
45) 1,2-Dichloropropane	9.140	63	49850	19.088	ug/l		98
46) Dibromomethane	9.231	93	28698	19.067	ug/l		97
47) Bromodichloromethane	9.420	83	75123	19.262	ug/l		99
48) Methyl methacrylate	9.219	41	26759	17.695	ug/l		94
49) 1,4-Dioxane	9.225	88	6260	388.254	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	163415	95.304	ug/l		98
52) Toluene	10.170	92	133126	19.340	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	65536	18.919	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	78753	19.271	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	37073	19.140	ug/l		98
56) Ethyl methacrylate	10.438	69	46833	18.936	ug/l		97
57) 1,3-Dichloropropane	10.719	76	65563	19.600	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	112947	93.615	ug/l		98
59) 2-Hexanone	10.762	43	107618	94.241	ug/l		99
60) Dibromochloromethane	10.908	129	50740	19.187	ug/l		100
61) 1,2-Dibromoethane	11.018	107	34293	18.874	ug/l		97
64) Tetrachloroethene	10.646	164	58923	19.897	ug/l		97
65) Chlorobenzene	11.444	112	144411	19.375	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	50703	19.173	ug/l		98
67) Ethyl Benzene	11.518	91	249430	19.515	ug/l		98
68) m/p-Xylenes	11.627	106	193566	39.549	ug/l		99
69) o-Xylene	11.957	106	87927	19.462	ug/l		98
70) Styrene	11.969	104	147490	19.580	ug/l		99
71) Bromoform	12.133	173	29726	19.706	ug/l	#	100
73) Isopropylbenzene	12.255	105	234386	19.290	ug/l		100
74) N-amyl acetate	12.072	43	52342	18.355	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40279	18.438	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	31855m	19.644	ug/l		
77) Bromobenzene	12.530	156	55776	19.119	ug/l		99
78) n-propylbenzene	12.597	91	284563	19.480	ug/l		100
79) 2-Chlorotoluene	12.682	91	165911	19.555	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	195141	19.651	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	13021	18.502	ug/l		97
82) 4-Chlorotoluene	12.780	91	173311	19.593	ug/l		100
83) tert-Butylbenzene	12.999	119	171216	19.357	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	193683	19.734	ug/l		99
85) sec-Butylbenzene	13.176	105	252573	19.540	ug/l		100
86) p-Isopropyltoluene	13.292	119	209041	19.567	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	111682	19.431	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	111508	19.636	ug/l		98
89) n-Butylbenzene	13.615	91	191838	19.416	ug/l		99
90) Hexachloroethane	13.877	117	44313	18.928	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	97912	19.569	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6369	18.811	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	51474	18.971	ug/l		100
94) Hexachlorobutadiene	15.023	225	32055	18.916	ug/l		99
95) Naphthalene	15.145	128	82325	18.305	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	44047	19.037	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

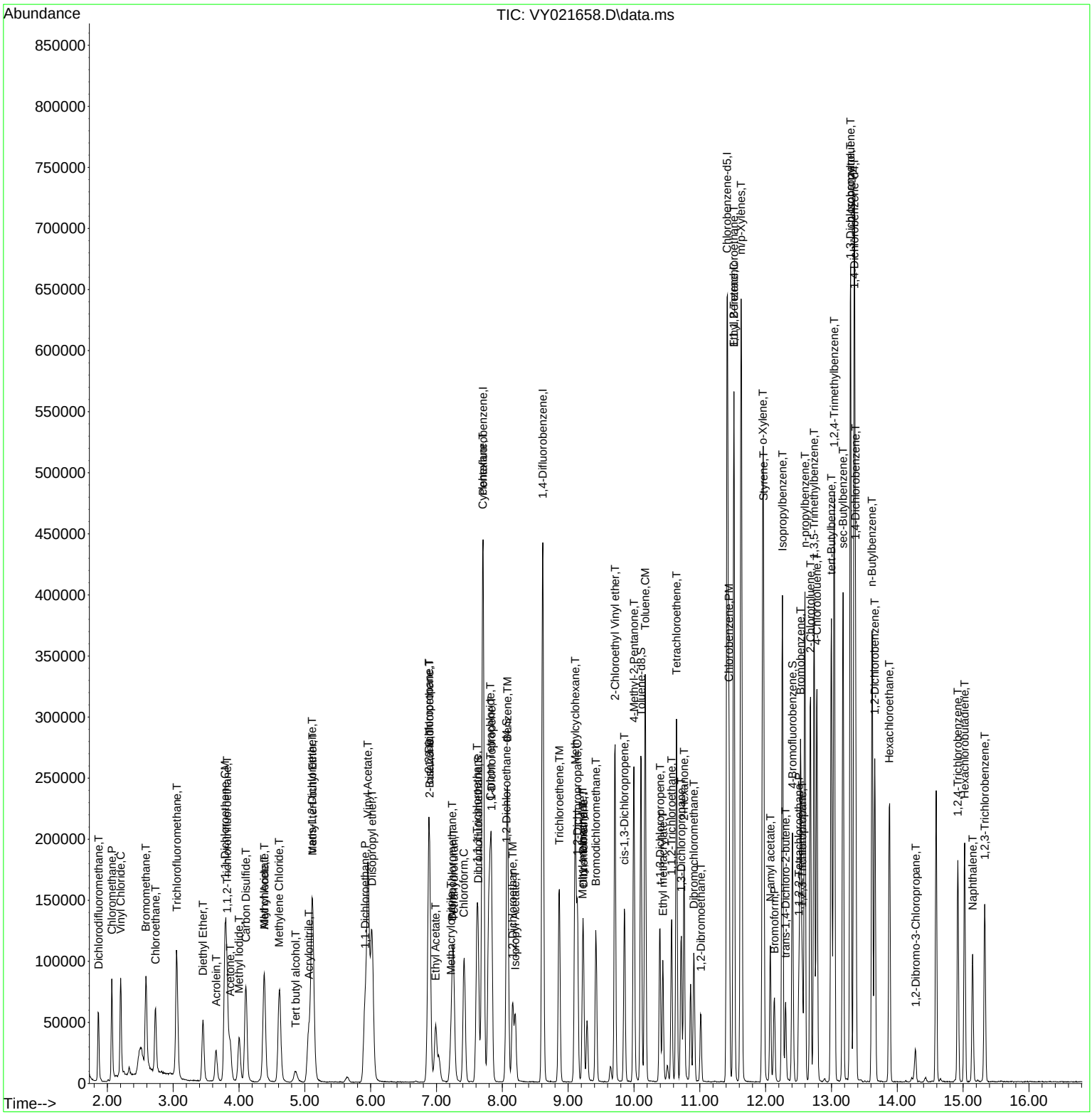
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Data File : VY021658.D
Acq On : 27 Mar 2025 10:54
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

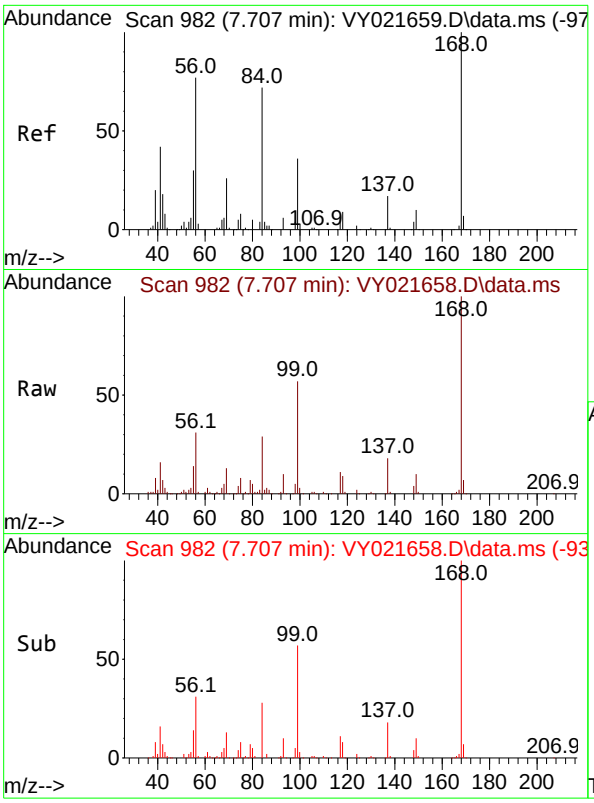
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

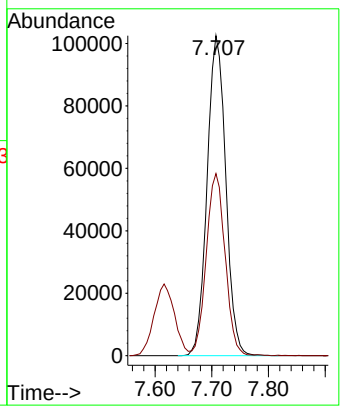




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:168 Resp: 23406

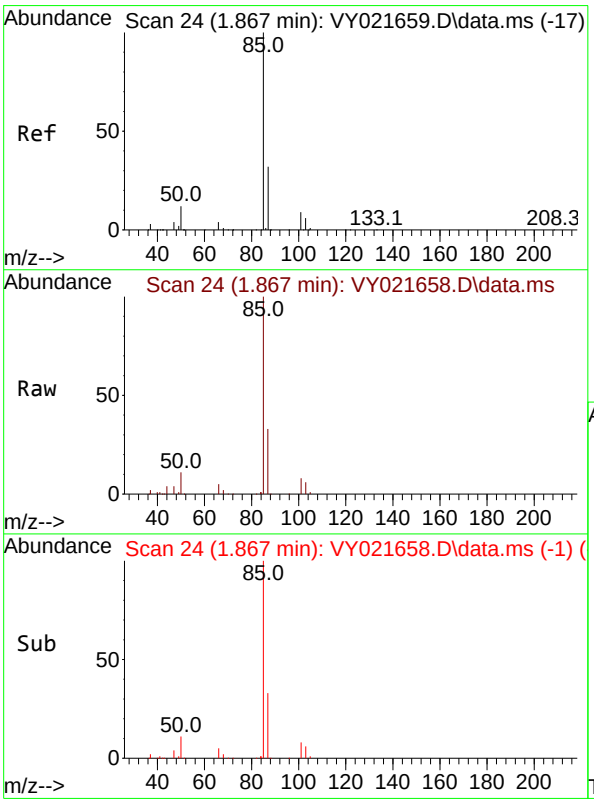
Ion	Ratio	Lower	Upper
168	100		
99	56.7	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

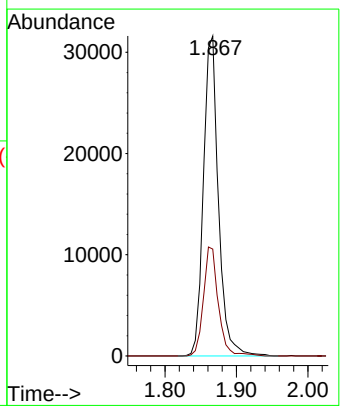
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

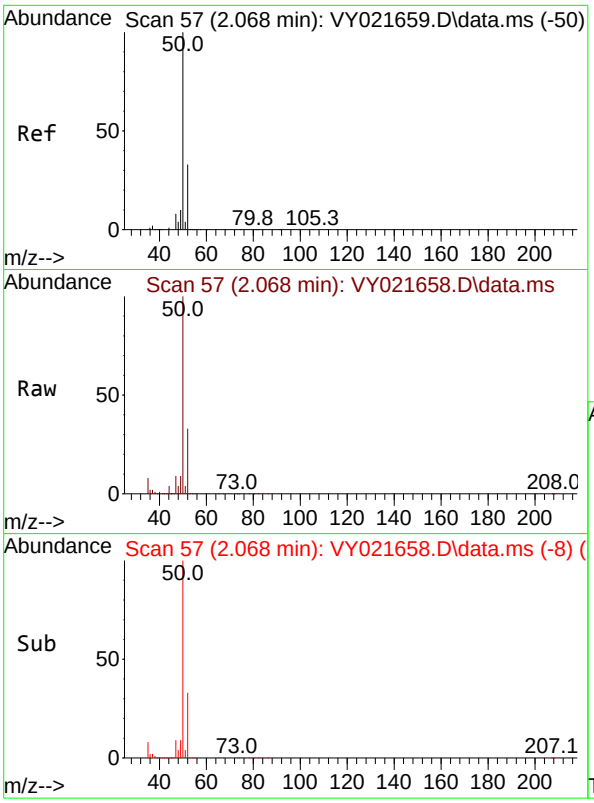


#2
Dichlorodifluoromethane
Concen: 19.011 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 85 Resp: 46121

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.2	48.6

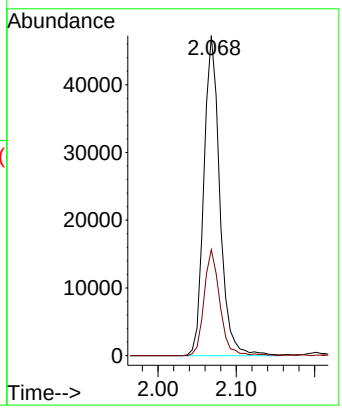




#3
Chloromethane
Concen: 19.575 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 50 Resp: 6677

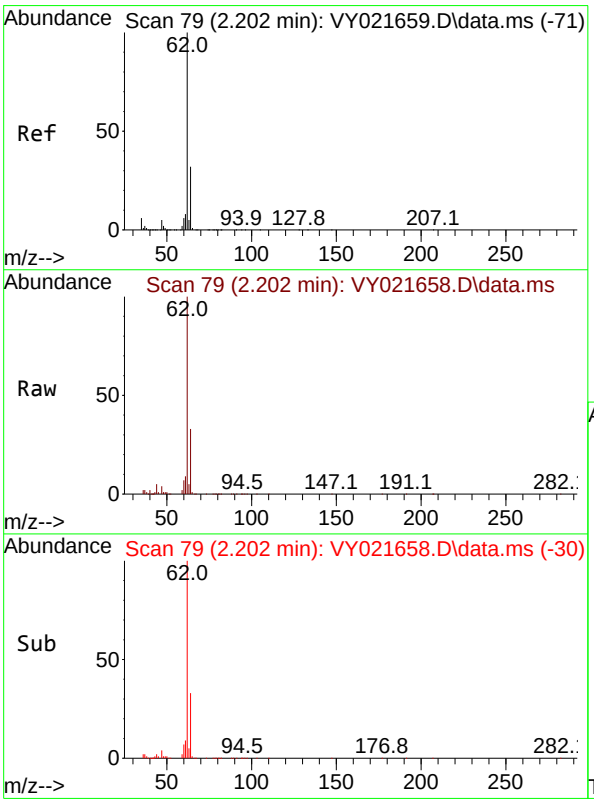
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

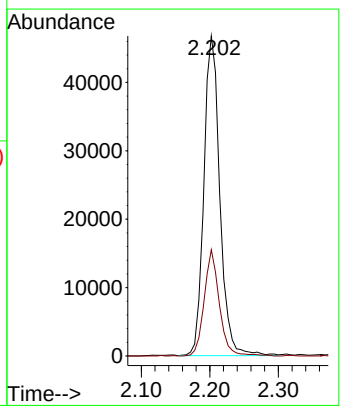
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

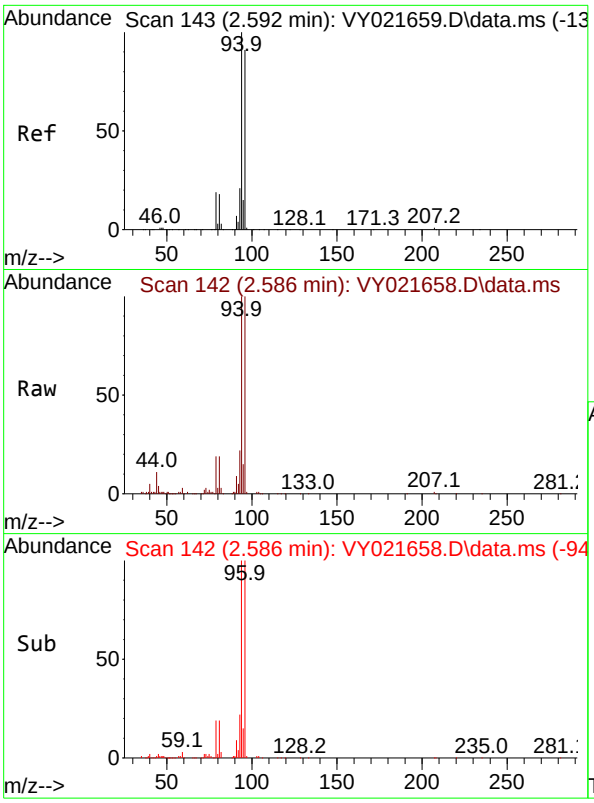


#4
Vinyl Chloride
Concen: 19.664 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 62 Resp: 75860

Ion	Ratio	Lower	Upper
62	100		
64	33.2	25.5	38.3





#5
Bromomethane
Concen: 19.093 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

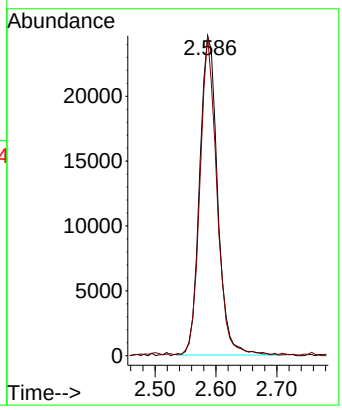
Tgt Ion: 94 Resp: 5023

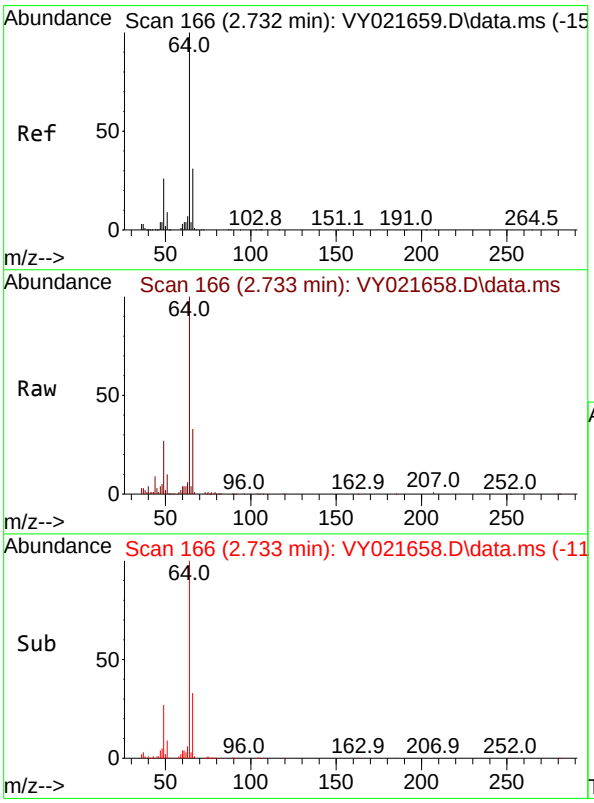
Ion	Ratio	Lower	Upper
94	100		
96	99.7	72.8	109.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

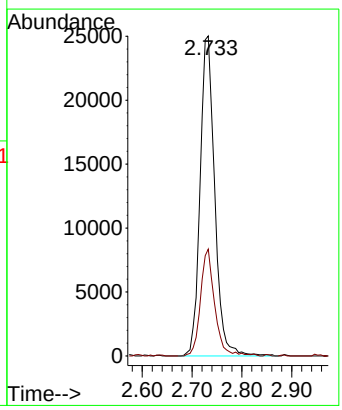


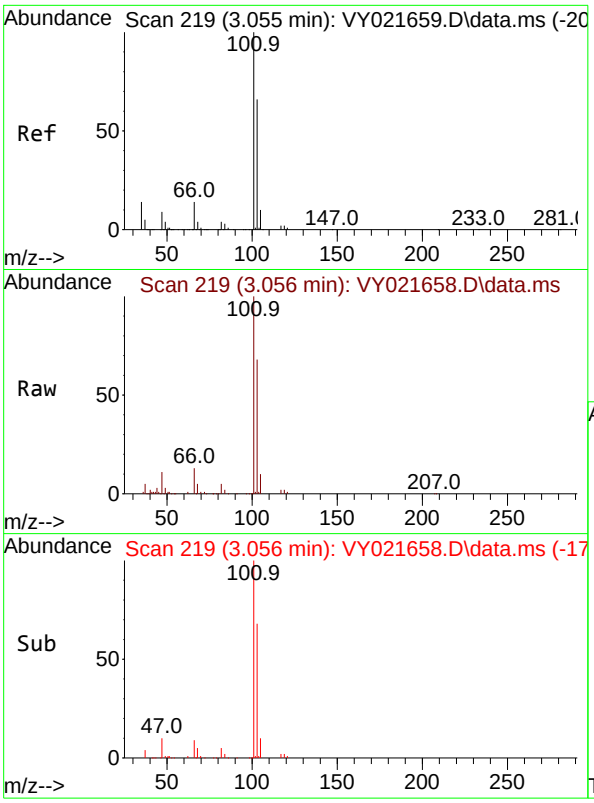


#6
Chloroethane
Concen: 20.184 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 64 Resp: 50953

Ion	Ratio	Lower	Upper
64	100		
66	33.4	24.9	37.3

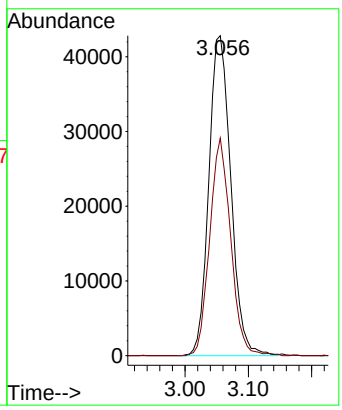




#7
Trichlorofluoromethane
Concen: 20.913 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:101 Resp: 10334

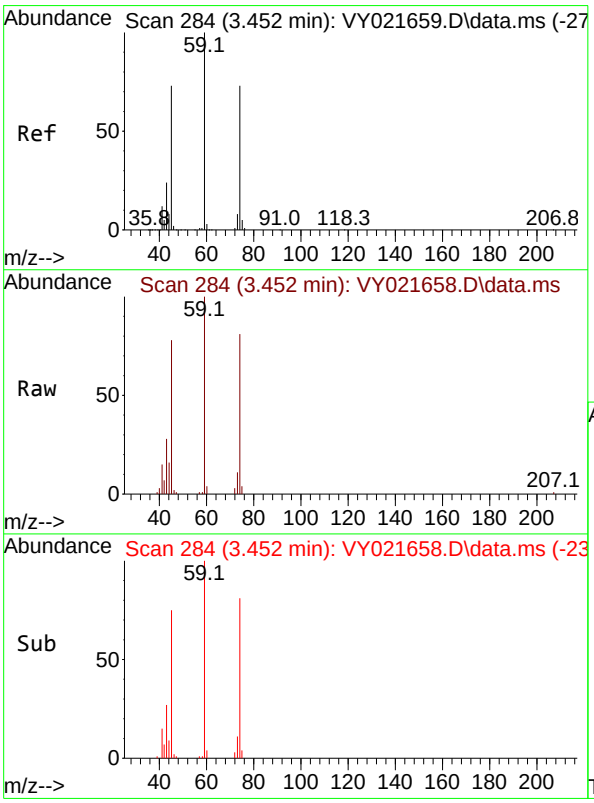
Ion	Ratio	Lower	Upper
101	100		
103	68.0	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

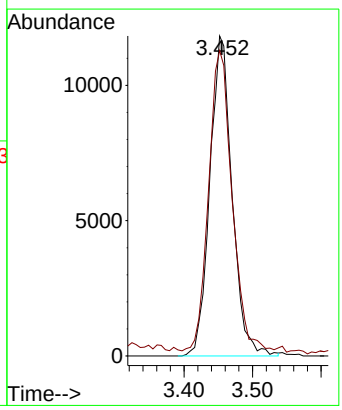
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

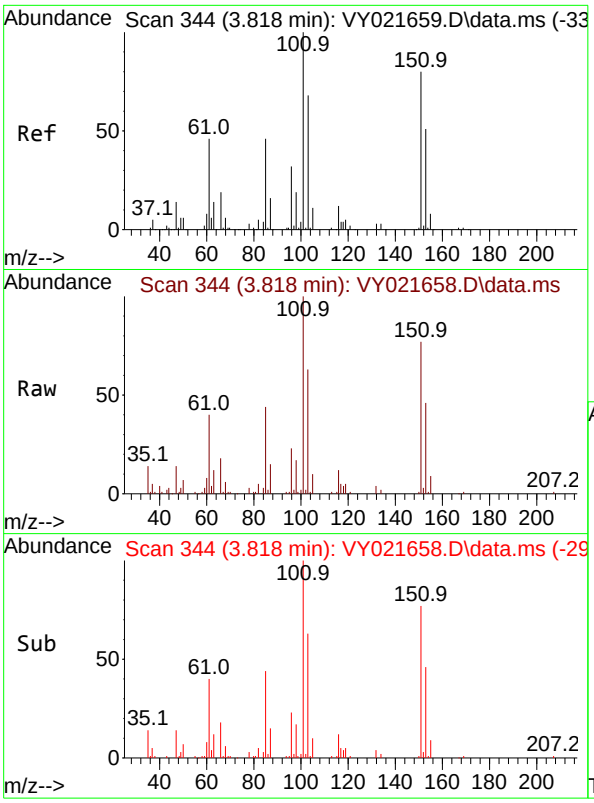


#8
Diethyl Ether
Concen: 19.788 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 74 Resp: 26594

Ion	Ratio	Lower	Upper
74	100		
45	98.3	48.6	145.8

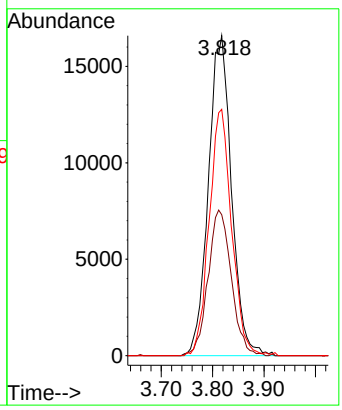




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.871 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:101 Resp: 5179

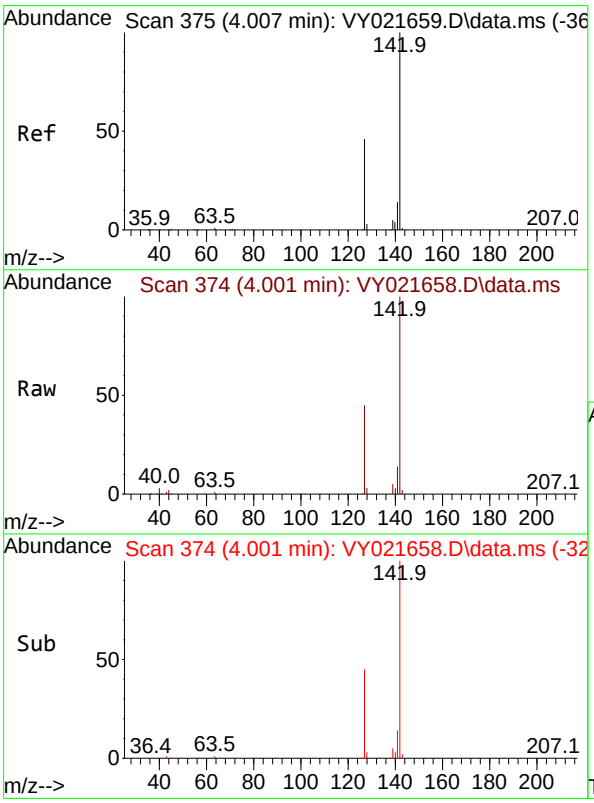
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.3	54.5
151	75.2	61.3	91.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

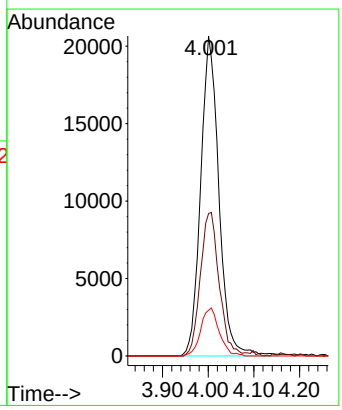
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

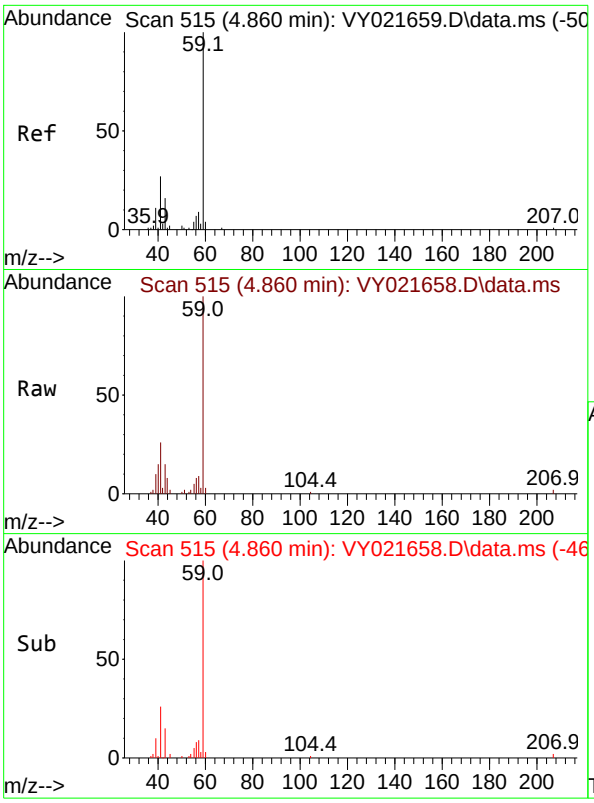


#10
Methyl Iodide
Concen: 19.974 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:142 Resp: 57115

Ion	Ratio	Lower	Upper
142	100		
127	46.4	38.7	58.1
141	15.2	11.5	17.3

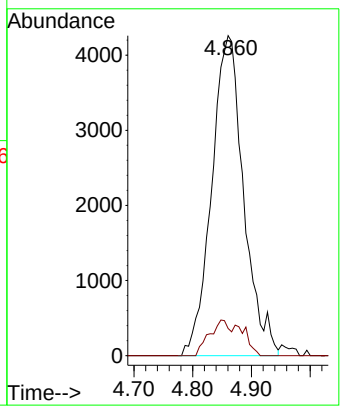




#11
Tert butyl alcohol
Concen: 97.834 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 59 Resp: 1611

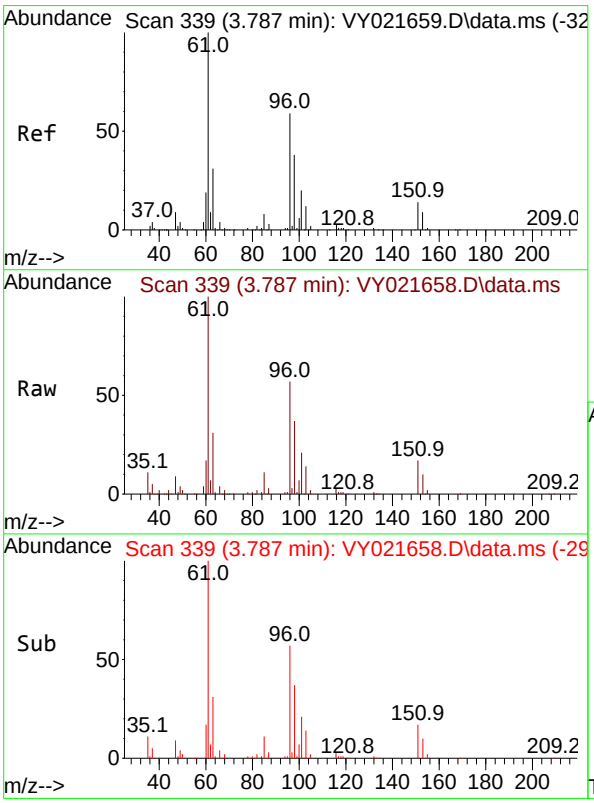
Ion	Ratio	Lower	Upper
59	100		
57	7.2	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

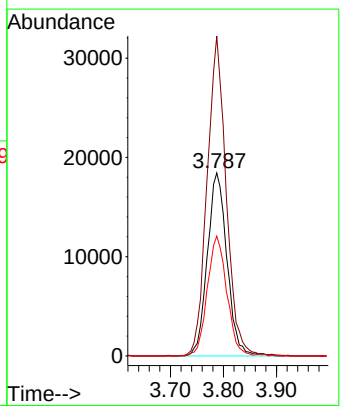
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

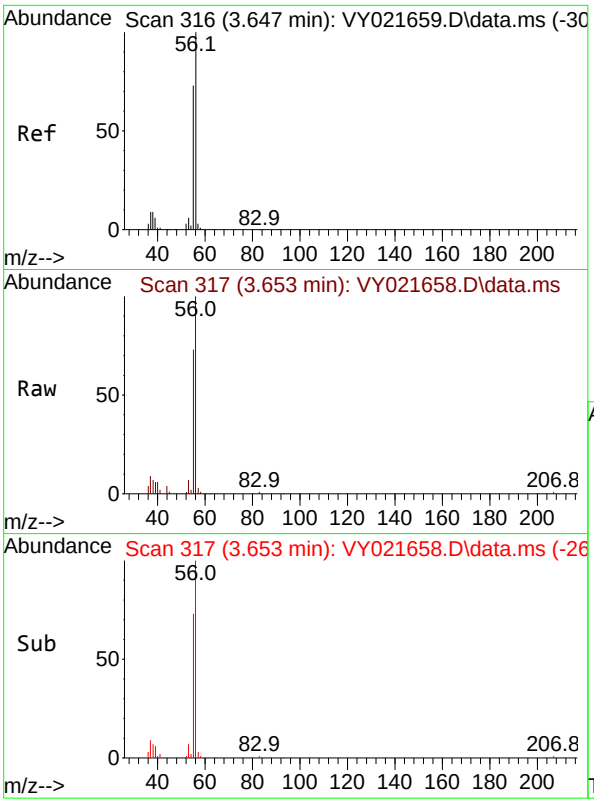


#12
1,1-Dichloroethene
Concen: 19.362 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 96 Resp: 47534

Ion	Ratio	Lower	Upper
96	100		
61	174.8	136.6	204.8
98	65.5	52.3	78.5

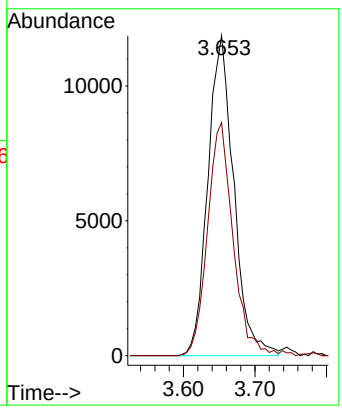




#13
Acrolein
Concen: 99.170 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 56 Resp: 2982

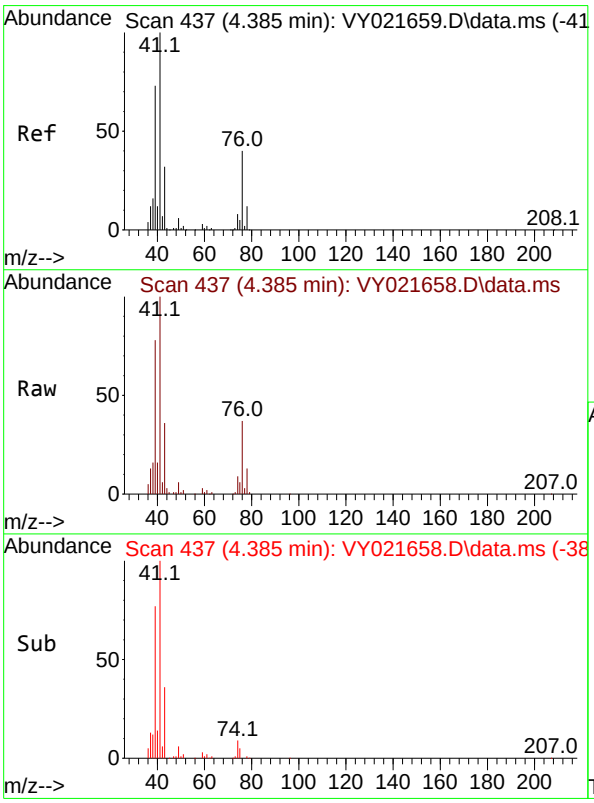
Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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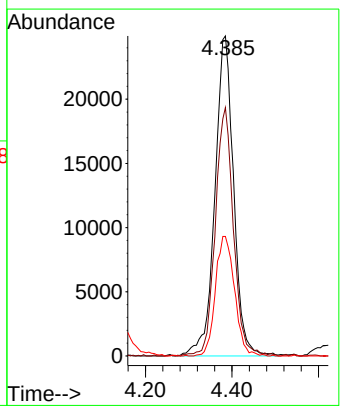
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

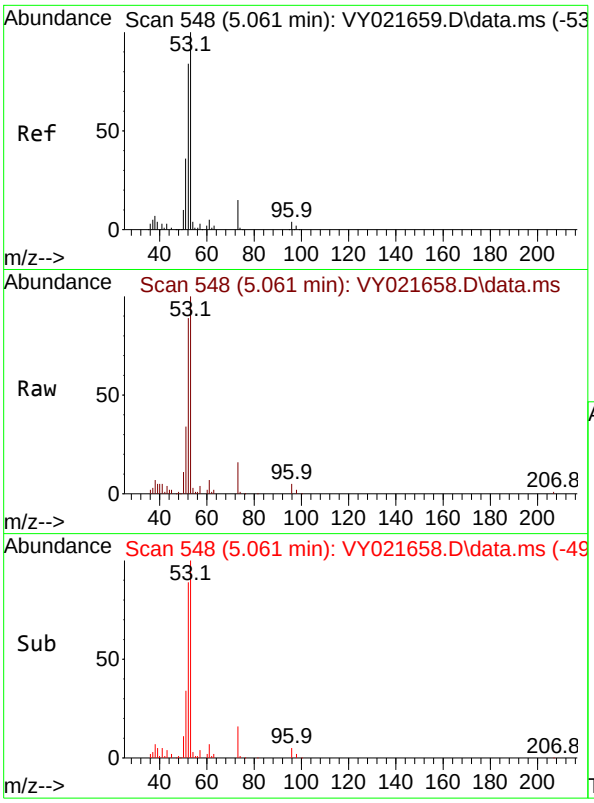


#14
Allyl chloride
Concen: 19.203 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 41 Resp: 75169

Ion	Ratio	Lower	Upper
41	100		
39	75.3	58.6	88.0
76	38.1	30.3	45.5





#15
Acrylonitrile
Concen: 97.084 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

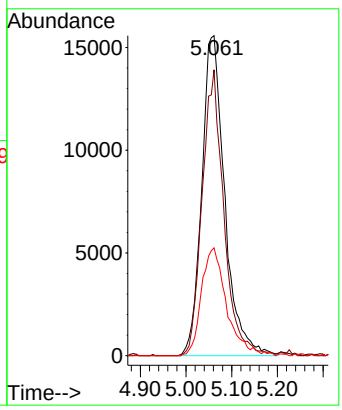
Tgt Ion: 53 Resp: 5447

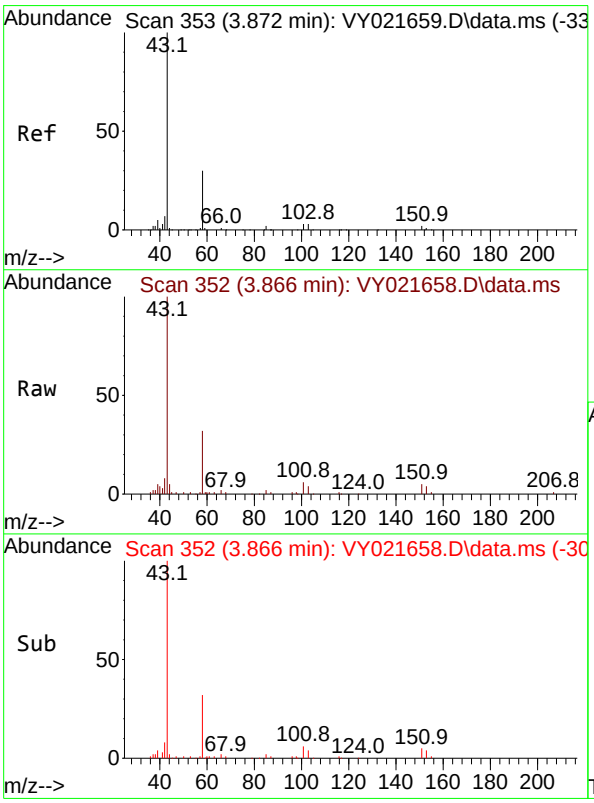
Ion	Ratio	Lower	Upper
53	100		
52	84.1	64.9	97.3
51	36.5	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

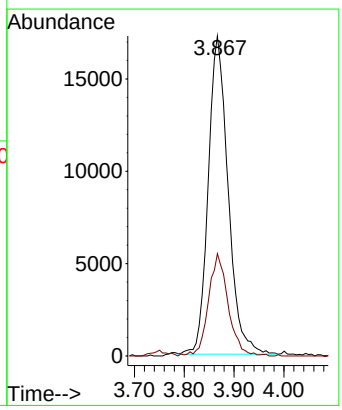


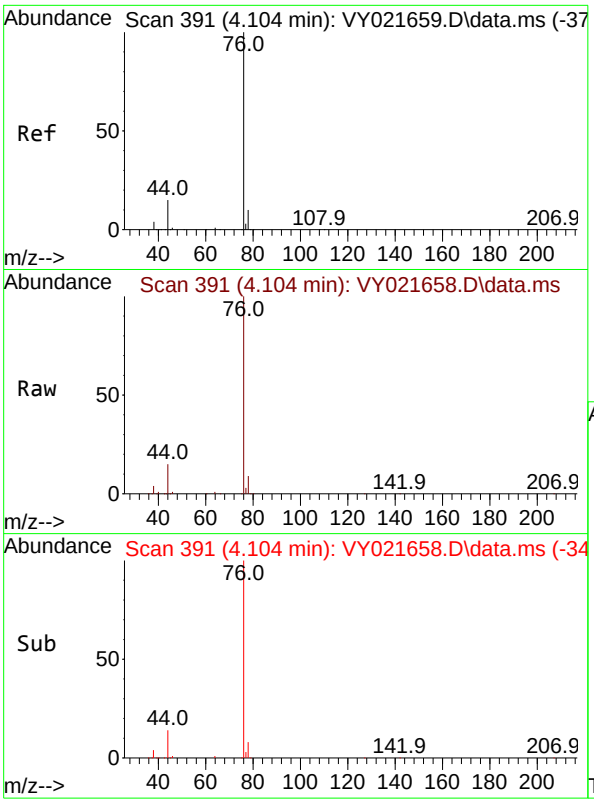


#16
Acetone
Concen: 92.073 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 47787

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4

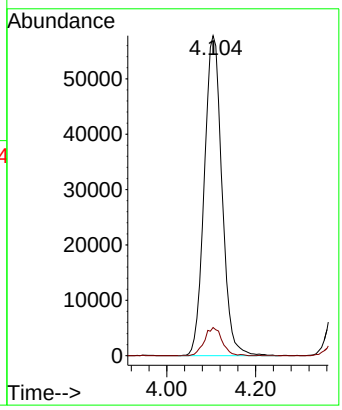




#17
Carbon Disulfide
Concen: 19.782 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 76 Resp: 15996

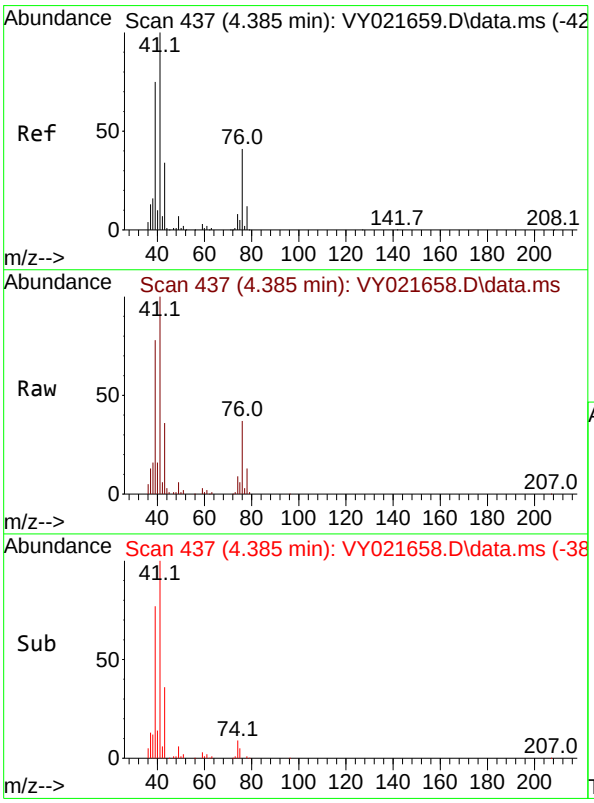
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

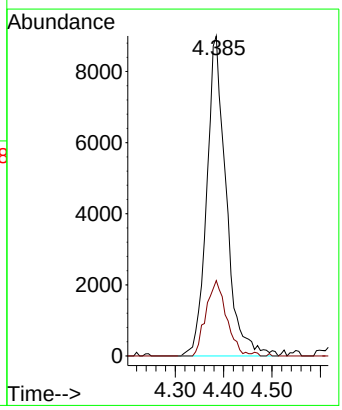
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

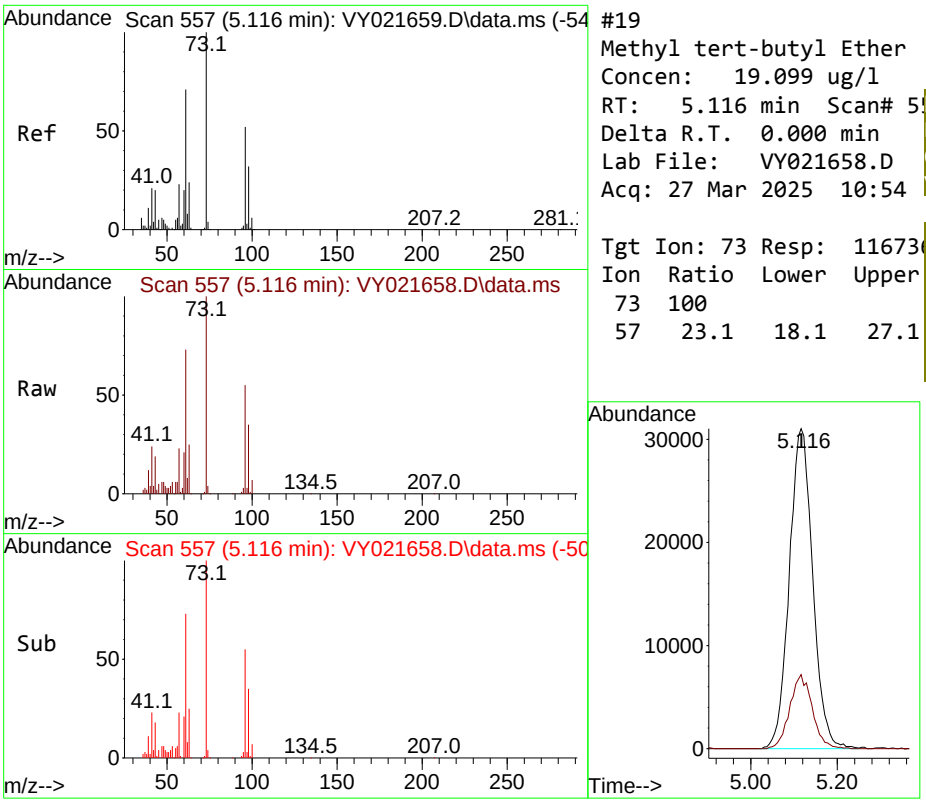


#18
Methyl Acetate
Concen: 19.560 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 25160

Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.1	28.7





#19
Methyl tert-butyl Ether
Concen: 19.099 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

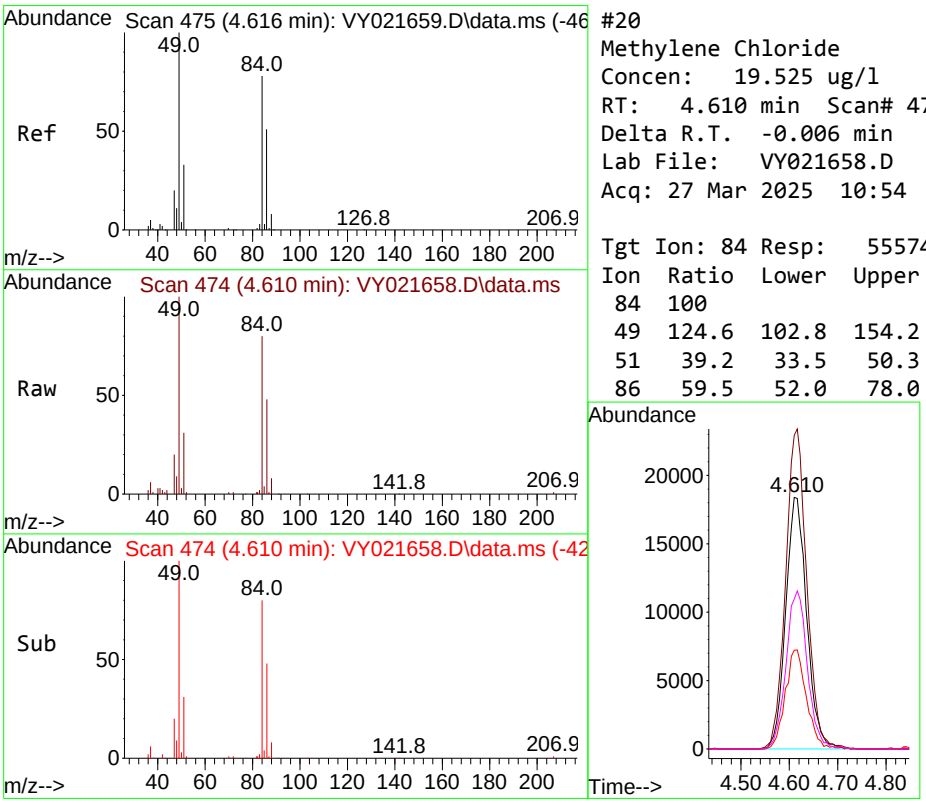
Tgt Ion: 73 Resp: 11673

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.1	27.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

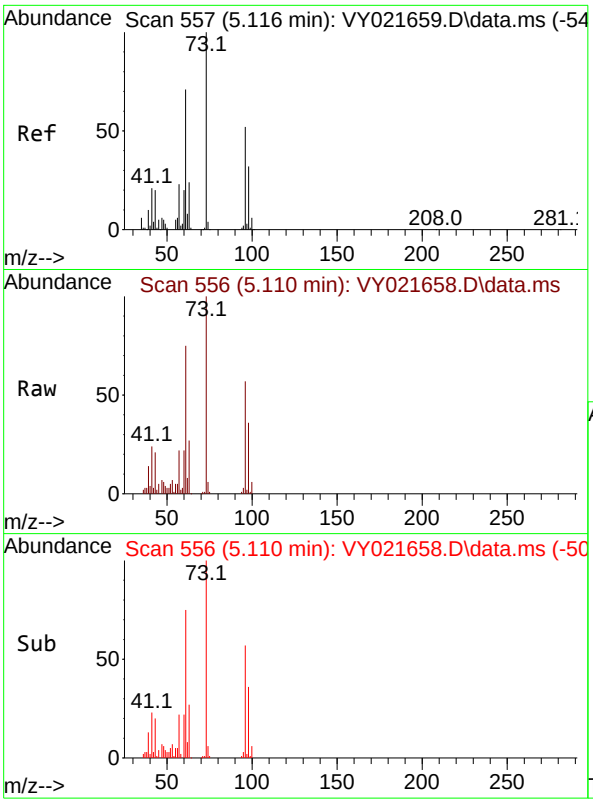
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#20
Methylene Chloride
Concen: 19.525 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 84 Resp: 55574

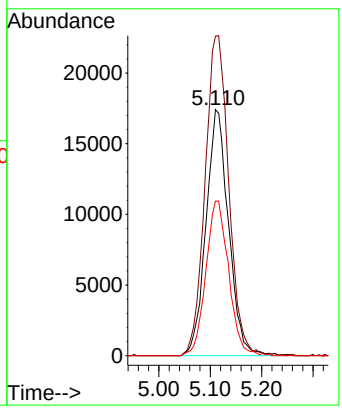
Ion	Ratio	Lower	Upper
84	100		
49	124.6	102.8	154.2
51	39.2	33.5	50.3
86	59.5	52.0	78.0



#21
trans-1,2-Dichloroethene
Concen: 19.677 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 96 Resp: 5318

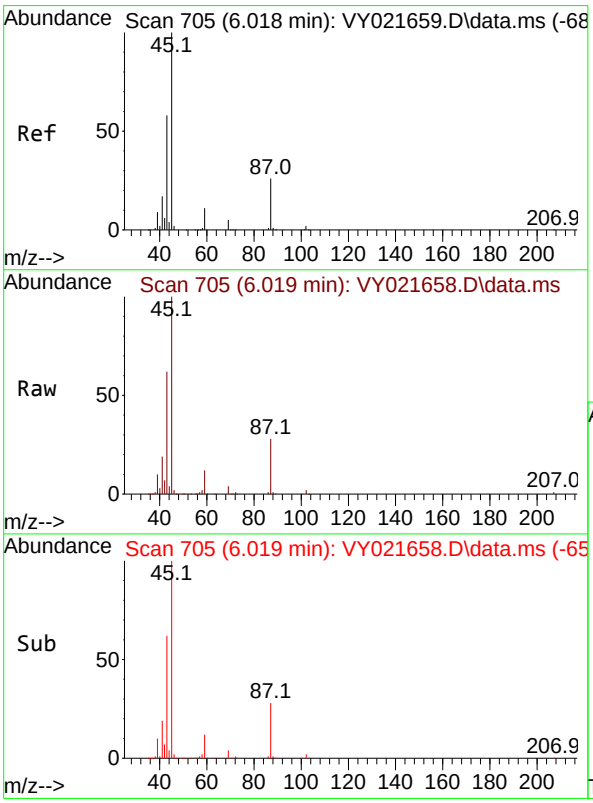
Ion	Ratio	Lower	Upper
96	100		
61	129.9	109.4	164.0
98	62.8	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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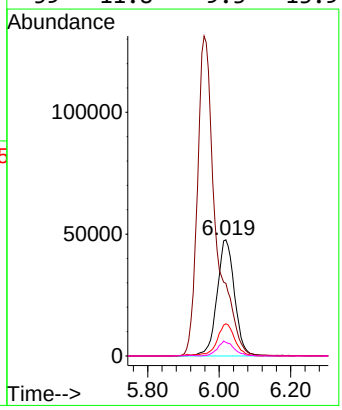
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

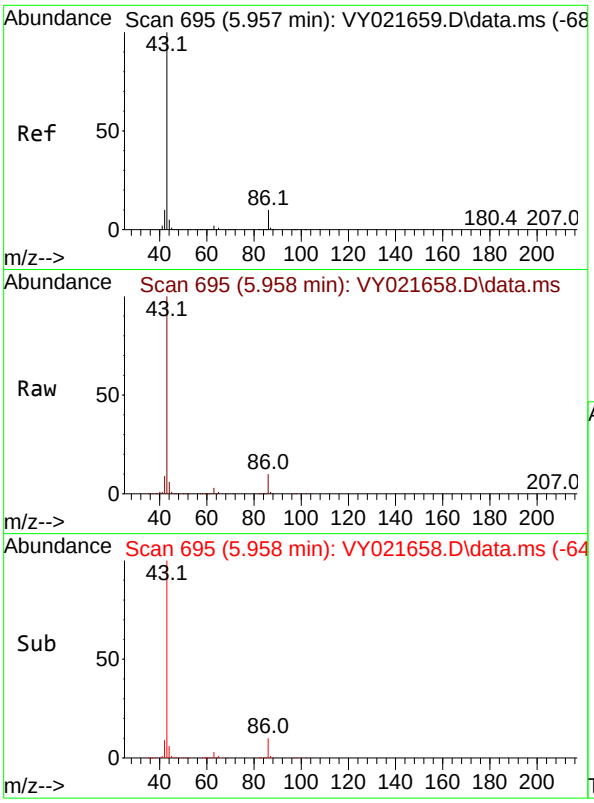


#22
Diisopropyl ether
Concen: 19.747 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 45 Resp: 162151

Ion	Ratio	Lower	Upper
45	100		
43	62.4	46.6	69.8
87	27.7	20.7	31.1
59	11.8	9.3	13.9





#23
Vinyl Acetate
Concen: 97.433 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

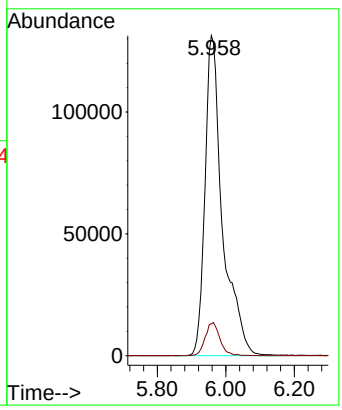
Tgt Ion: 43 Resp: 46803

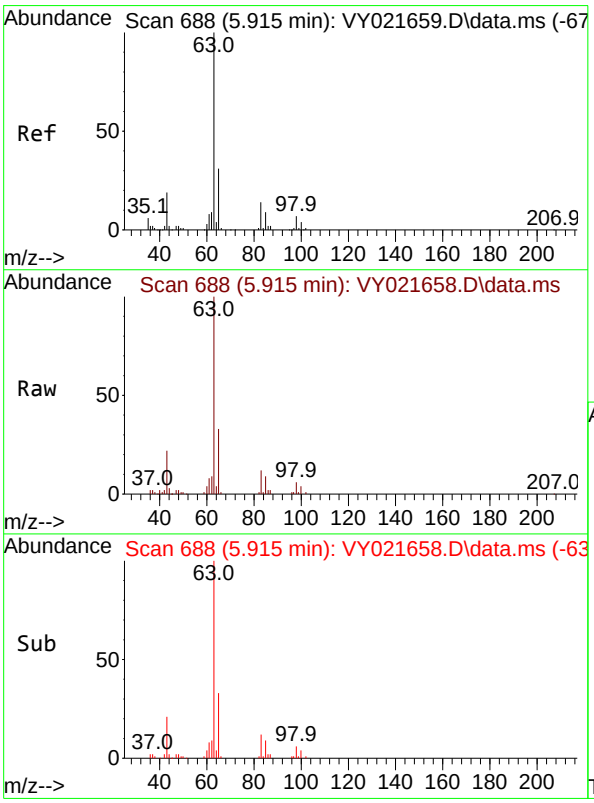
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

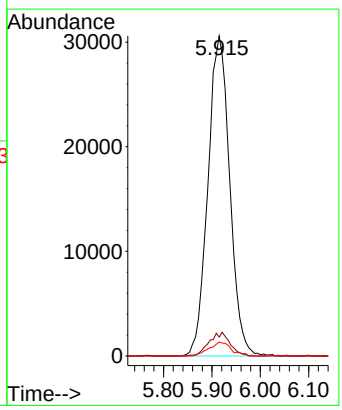


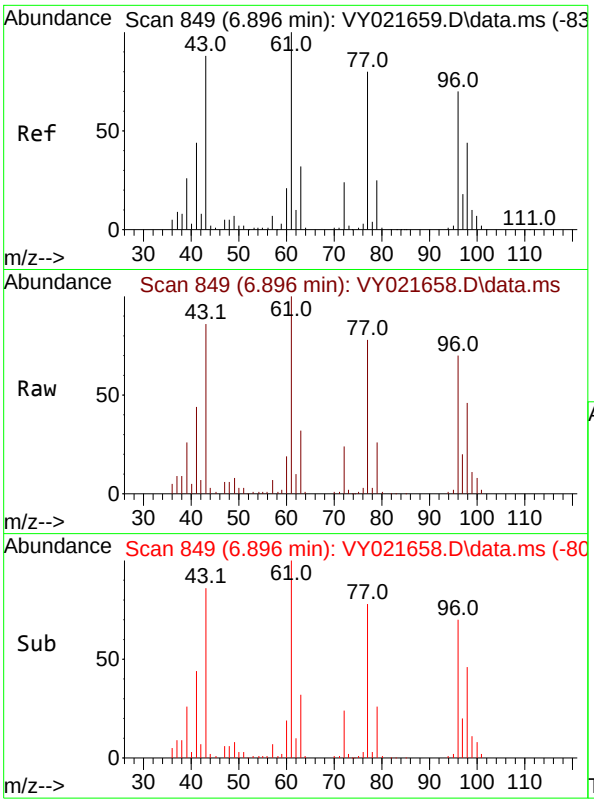


#24
1,1-Dichloroethane
Concen: 19.520 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 63 Resp: 95841

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.5	10.5
100	4.4	2.2	6.6





#25
2-Butanone
Concen: 94.233 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

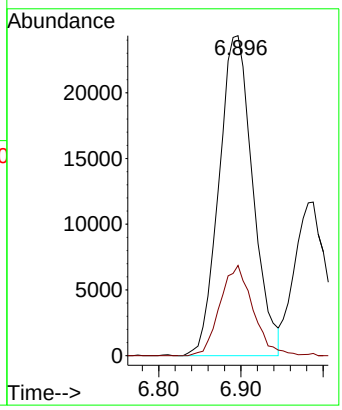
Tgt Ion: 43 Resp: 6985

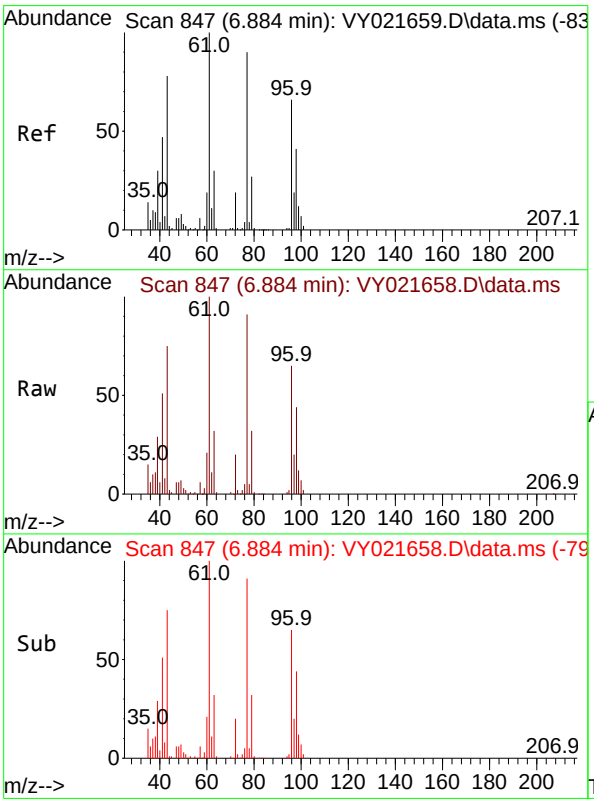
Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

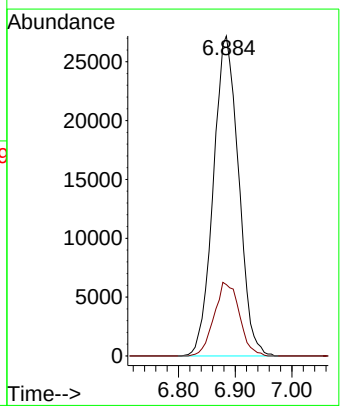


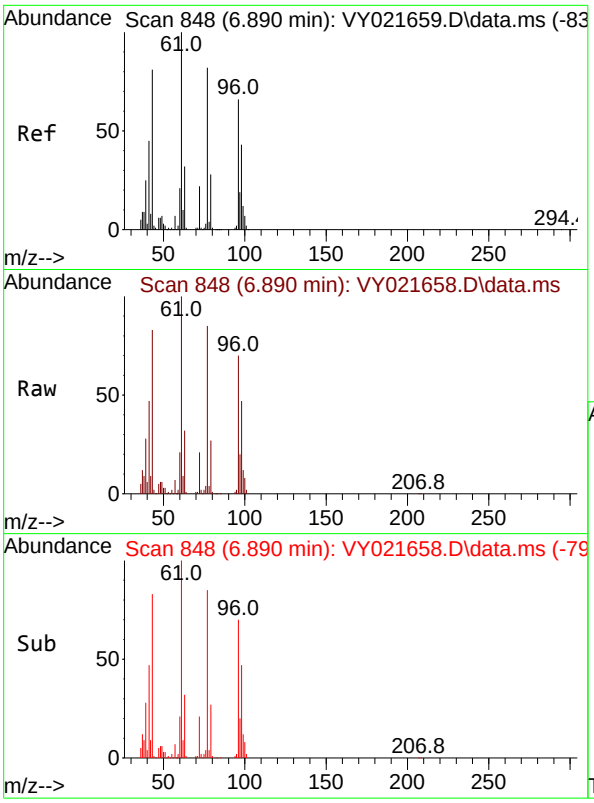


#26
2,2-Dichloropropane
Concen: 19.217 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 77 Resp: 83932

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.1	33.1

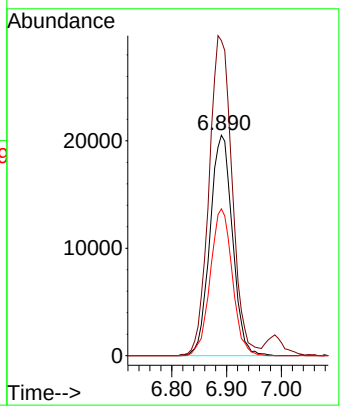




#27
cis-1,2-Dichloroethene
Concen: 19.266 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 96 Resp: 5856

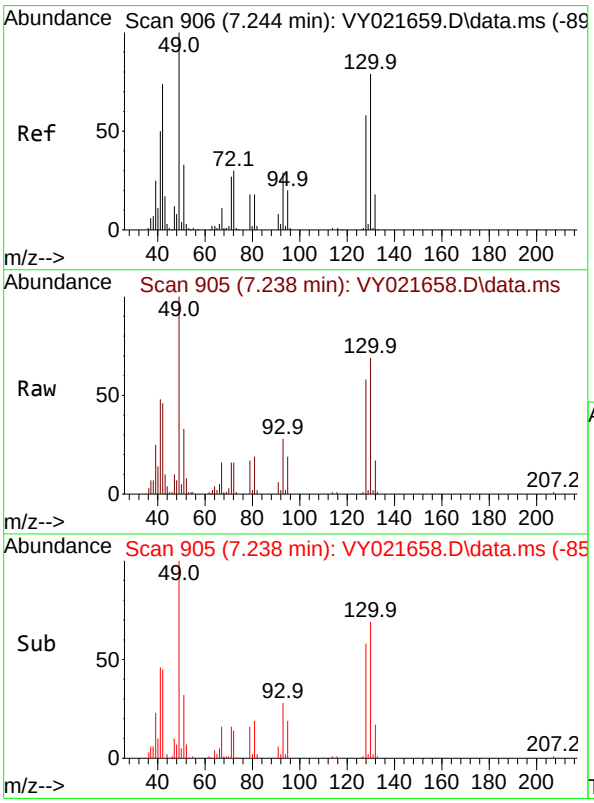
Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	296.4
98	65.3	0.0	128.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

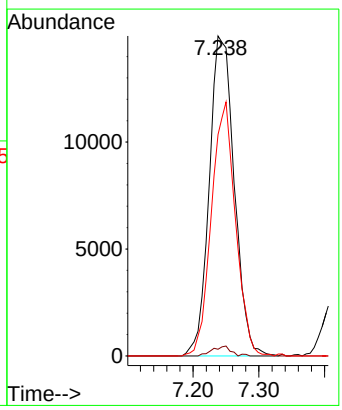
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

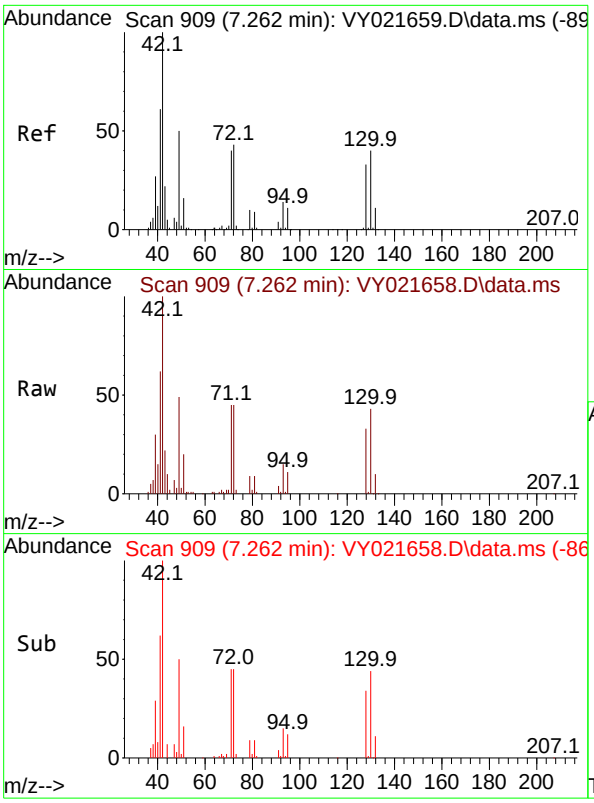


#28
Bromochloromethane
Concen: 19.149 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 49 Resp: 39653

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	76.4	60.1	90.1

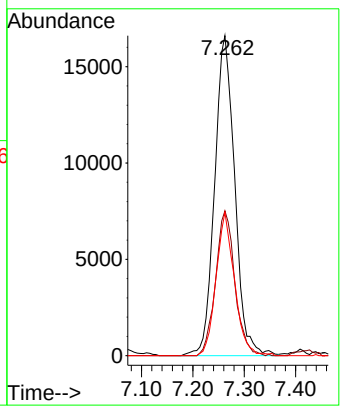




#29
Tetrahydrofuran
Concen: 94.626 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 42 Resp: 4514

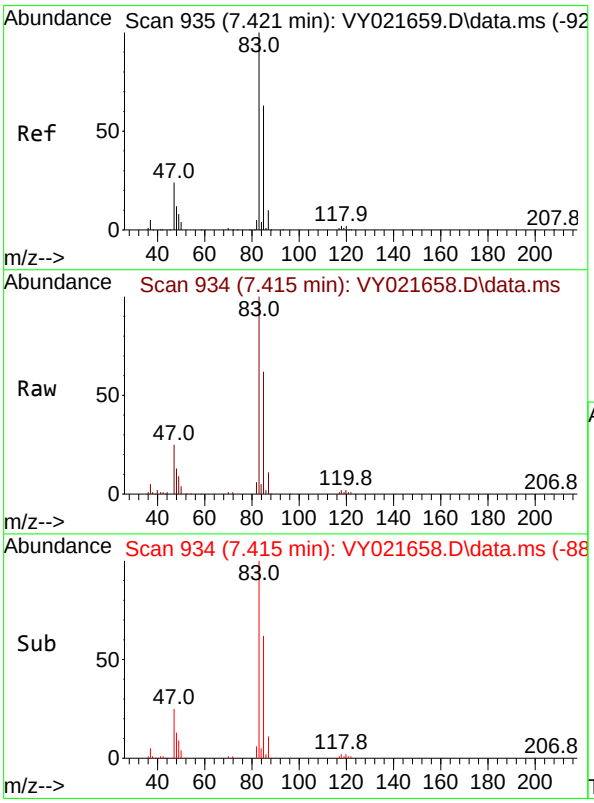
Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	41.0	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

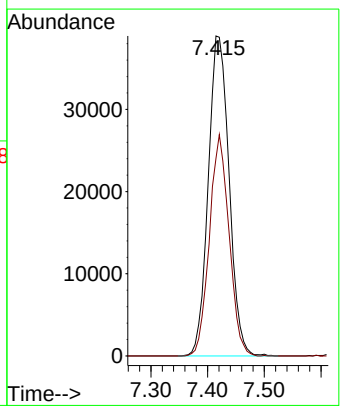
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

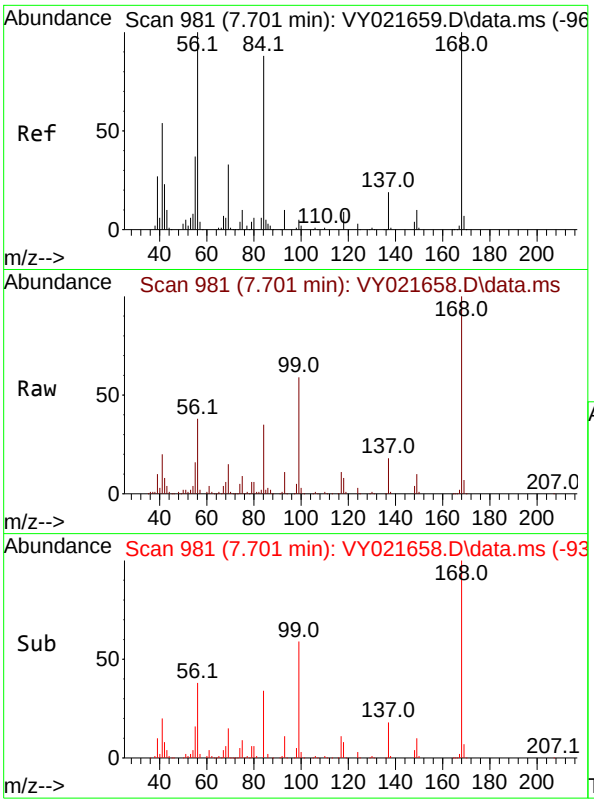


#30
Chloroform
Concen: 19.462 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 83 Resp: 99390

Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.6	75.8

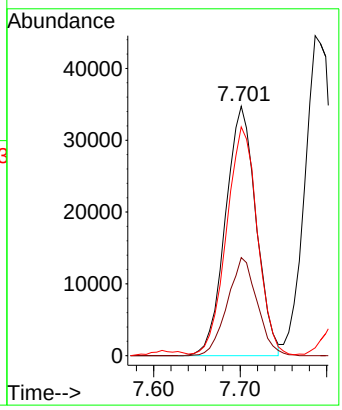




#31
Cyclohexane
Concen: 19.075 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 56 Resp: 8537

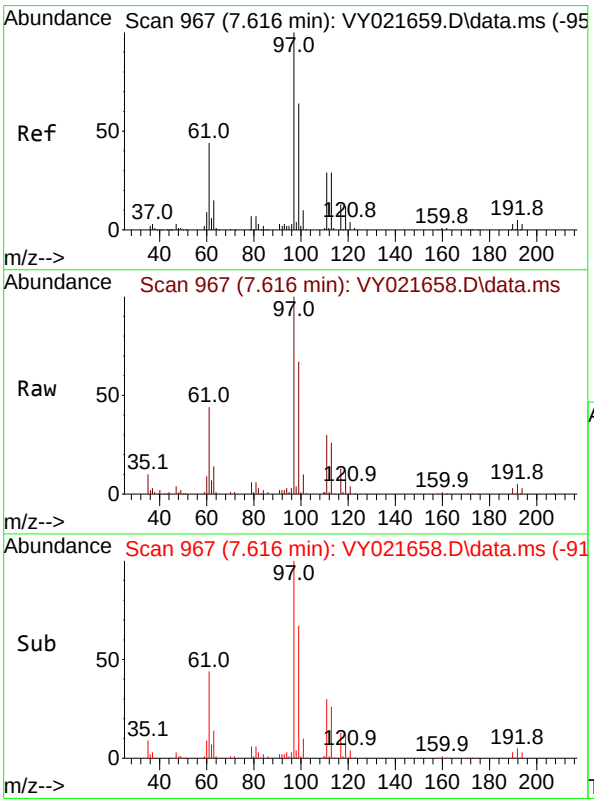
Ion	Ratio	Lower	Upper
56	100		
69	39.3	26.6	40.0
84	90.0	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

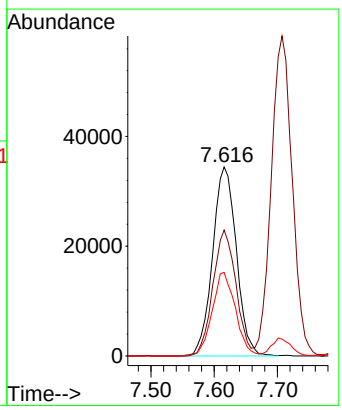
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

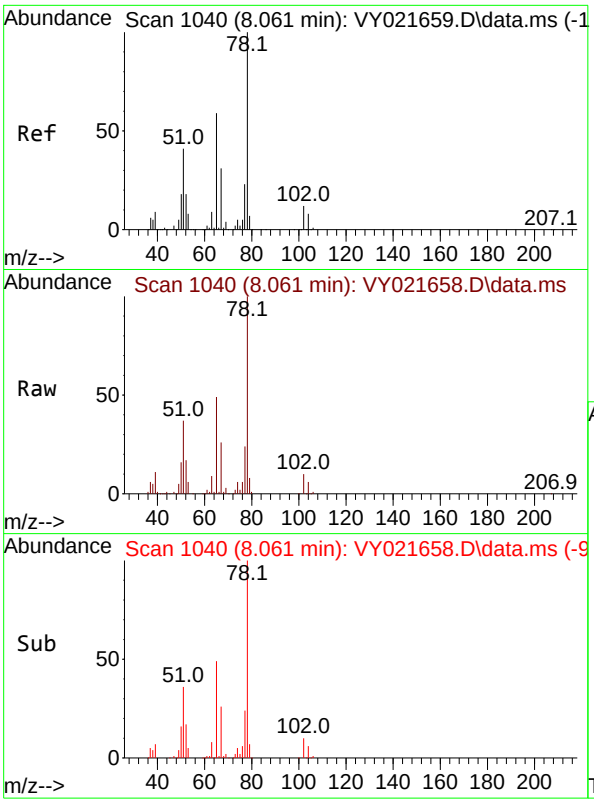


#32
1,1,1-Trichloroethane
Concen: 19.459 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 97 Resp: 89818

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.7	76.1
61	43.2	35.2	52.8

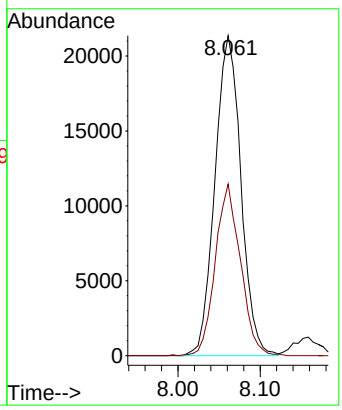




#33
1,2-Dichloroethane-d4
Concen: 18.542 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 65 Resp: 4702

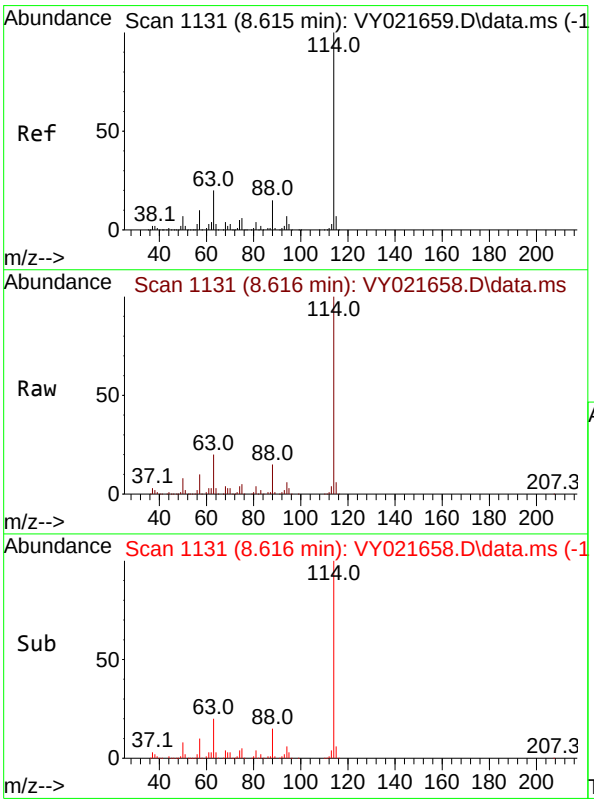
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

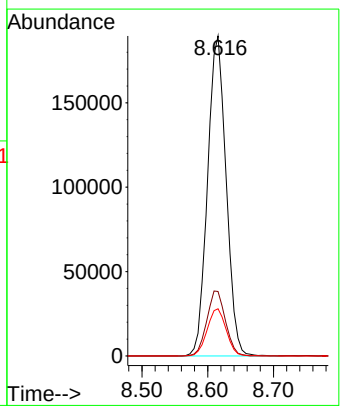
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

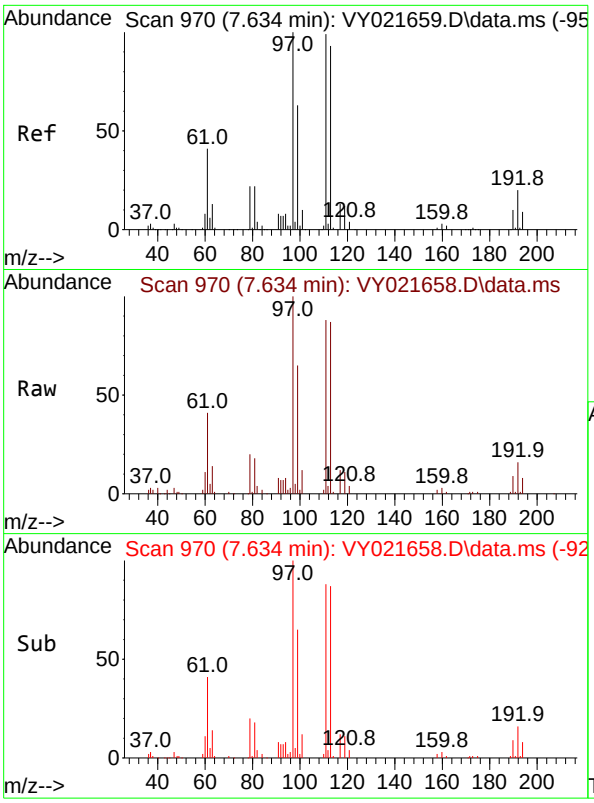


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:114 Resp: 372865

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	14.8	0.0	29.8

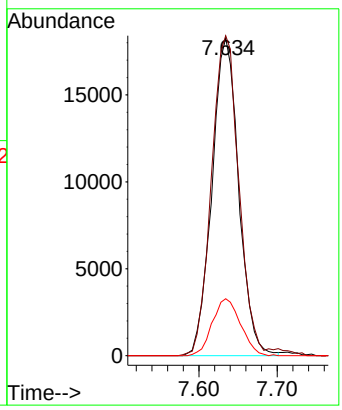




#35
Dibromofluoromethane
Concen: 17.910 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:113 Resp: 4331

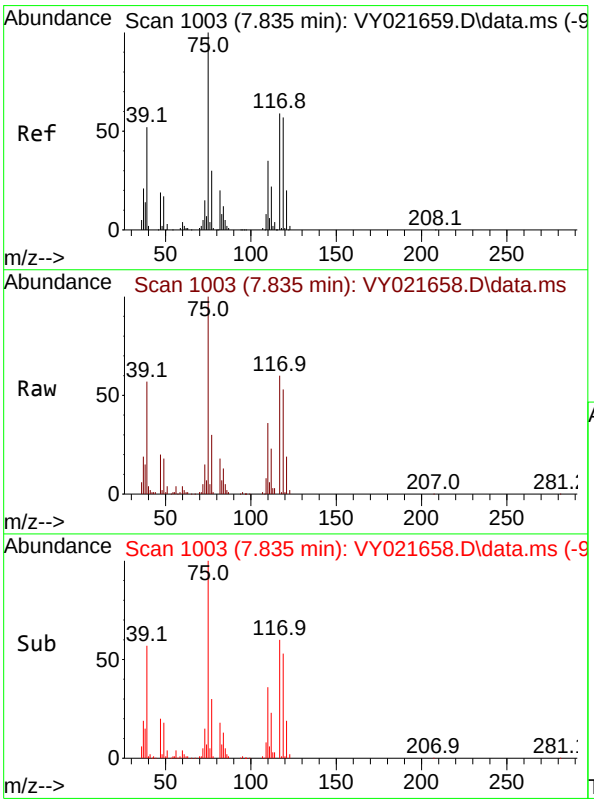
Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.6	123.8
192	19.0	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

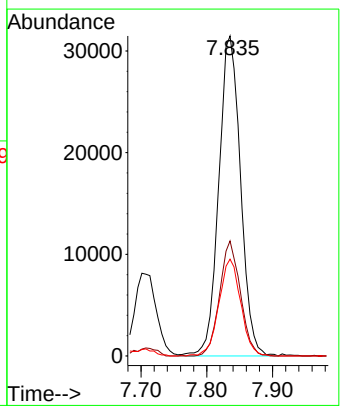
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

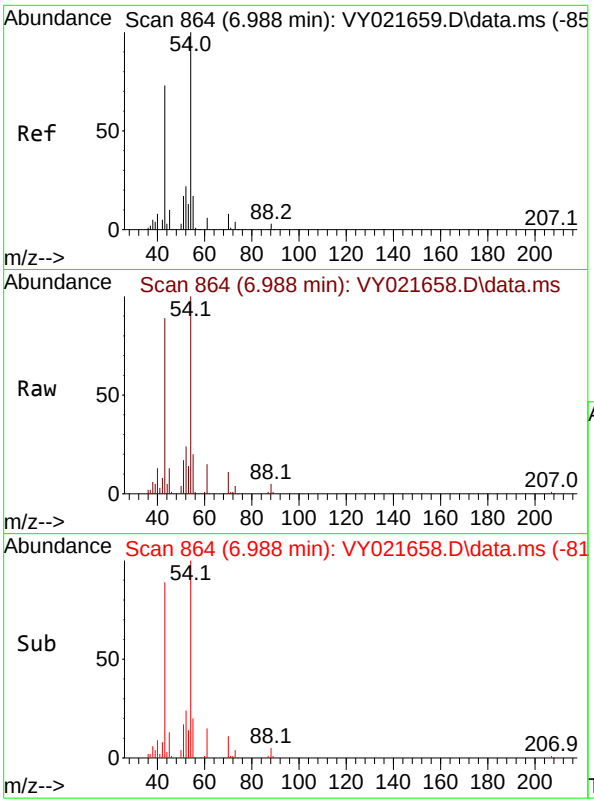


#36
1,1-Dichloropropene
Concen: 19.697 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 72566

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	30.3	24.8	37.2





#37
Ethyl Acetate
Concen: 18.585 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

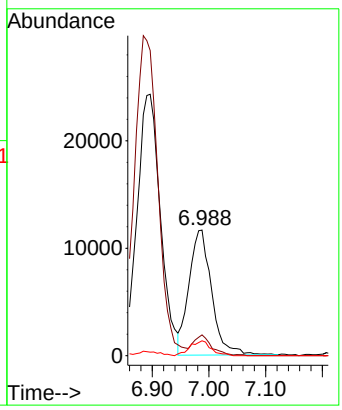
Tgt Ion: 43 Resp: 3231

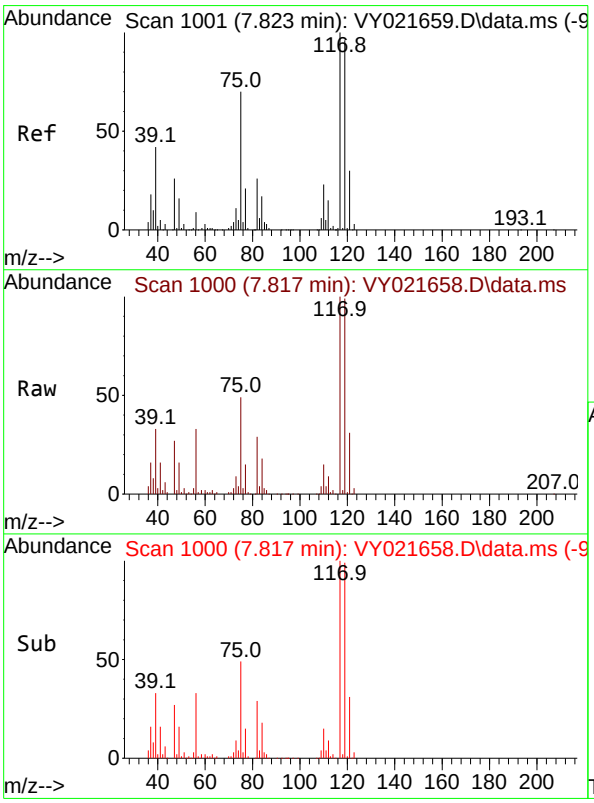
Ion	Ratio	Lower	Upper
43	100		
61	12.1	11.0	16.6
70	10.9	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

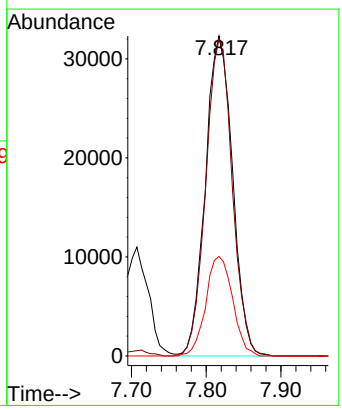


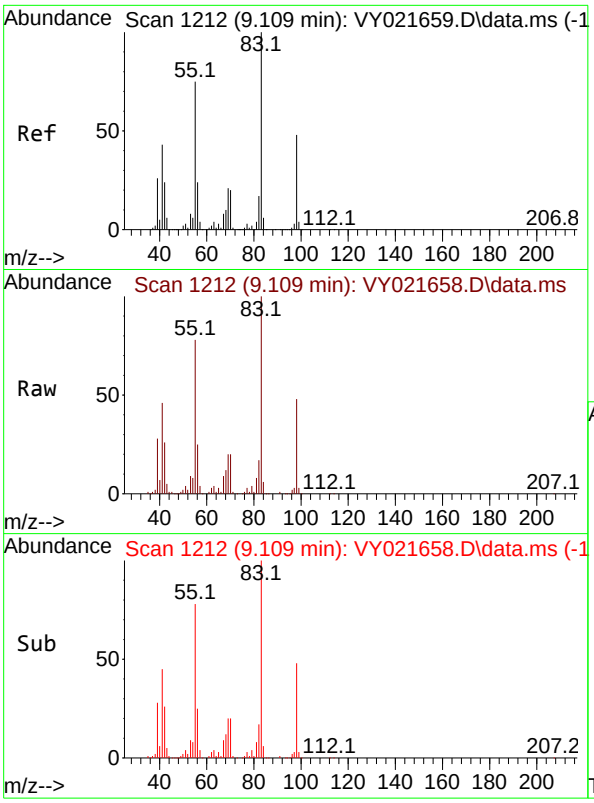


#38
Carbon Tetrachloride
Concen: 19.308 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:117 Resp: 81472

Ion	Ratio	Lower	Upper
117	100		
119	99.0	76.2	114.4
121	31.1	24.2	36.4





#39
Methylcyclohexane
Concen: 19.269 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

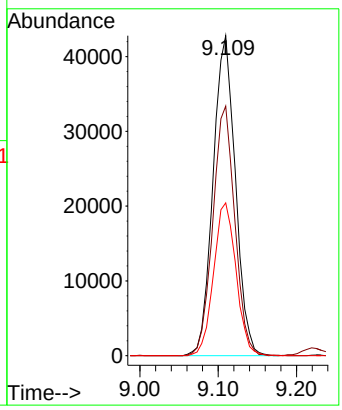
Tgt Ion: 83 Resp: 8480

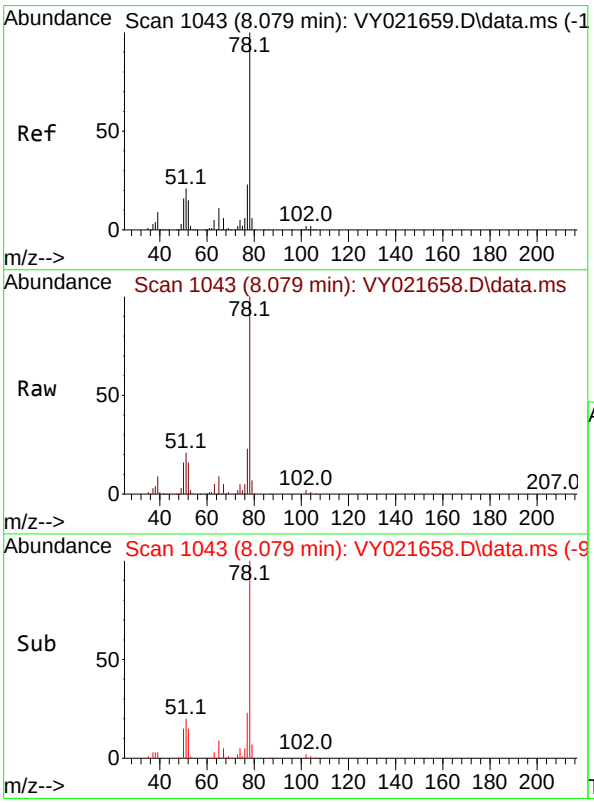
Ion	Ratio	Lower	Upper
83	100		
55	78.0	59.7	89.5
98	47.8	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

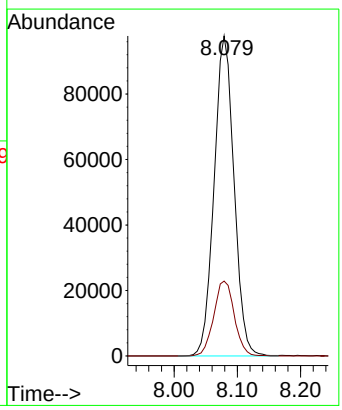


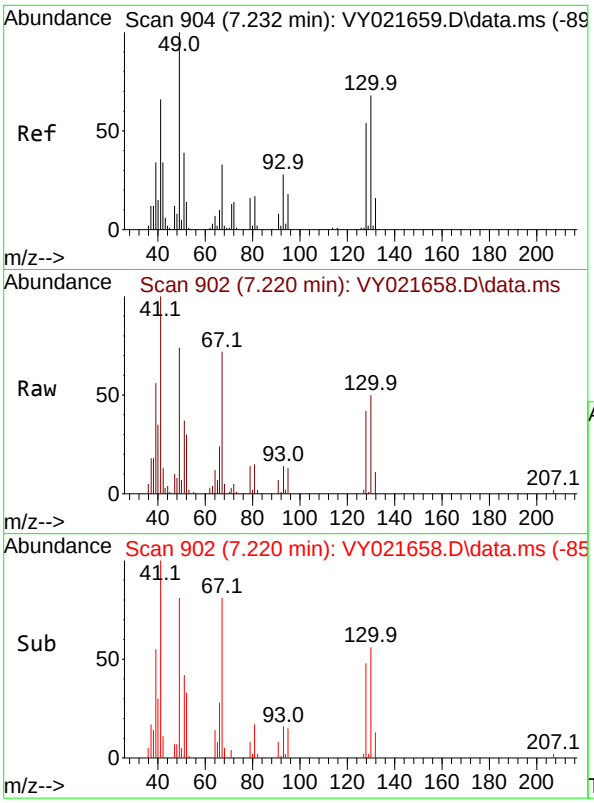


#40
Benzene
Concen: 19.313 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 78 Resp: 213074

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2

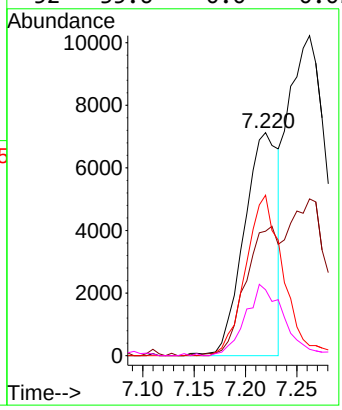




#41
Methacrylonitrile
Concen: 17.853 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 41 Resp: 1648

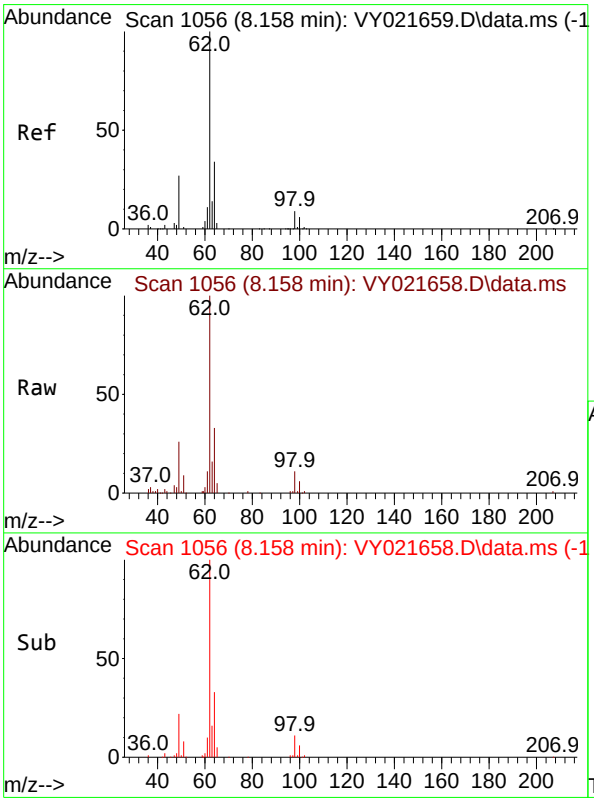
Ion	Ratio	Lower	Upper
41	100		
39	55.7	0.0	0.0#
67	78.7	0.0	0.0#
52	35.6	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

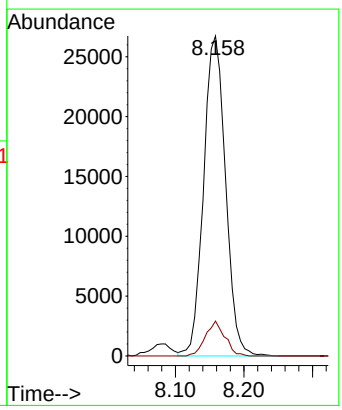
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

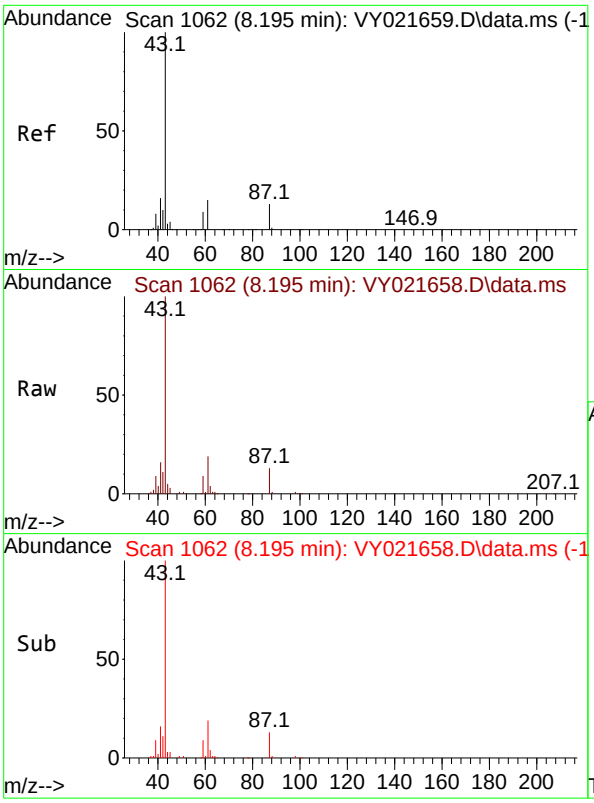


#42
1,2-Dichloroethane
Concen: 19.146 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 62 Resp: 59552

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4

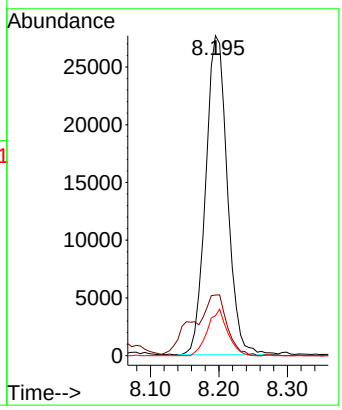




#43
Isopropyl Acetate
Concen: 18.451 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 6079

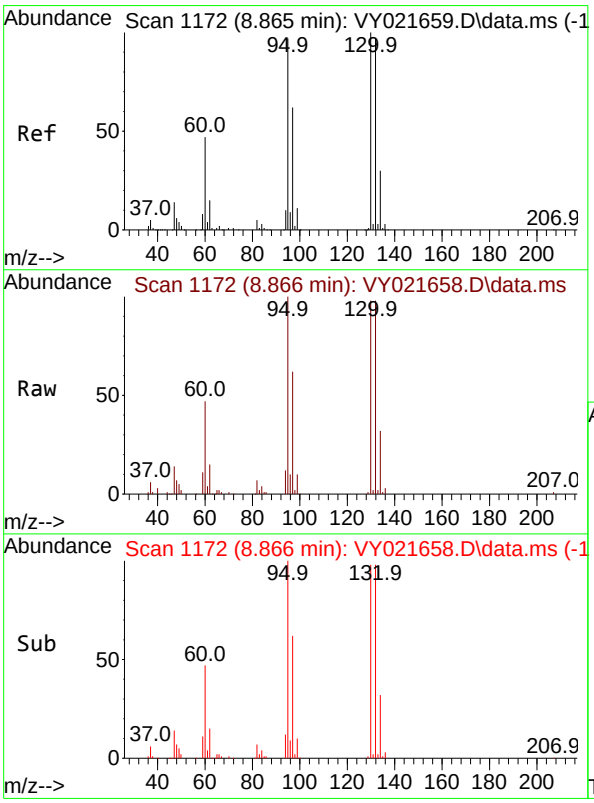
Ion	Ratio	Lower	Upper
43	100		
61	29.8	15.9	23.9
87	13.4	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

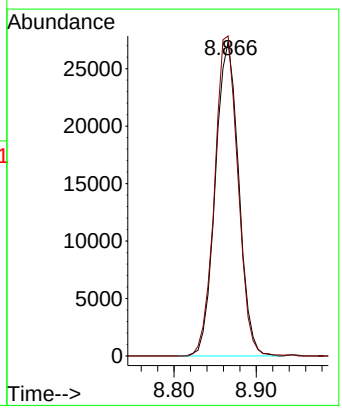
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

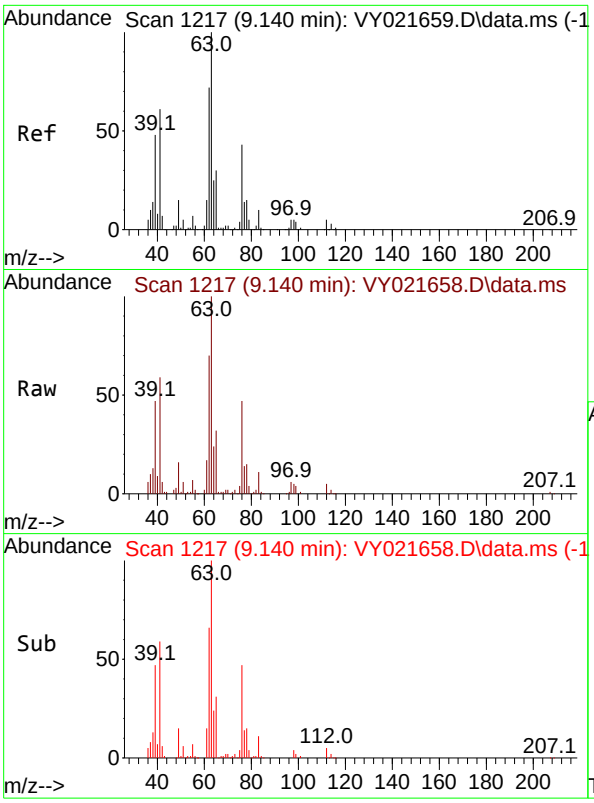


#44
Trichloroethene
Concen: 19.215 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:130 Resp: 54015

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	194.8

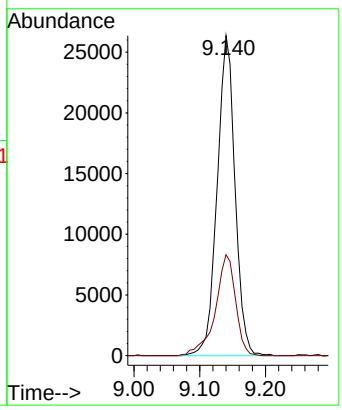




#45
1,2-Dichloropropane
Concen: 19.088 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 63 Resp: 4985

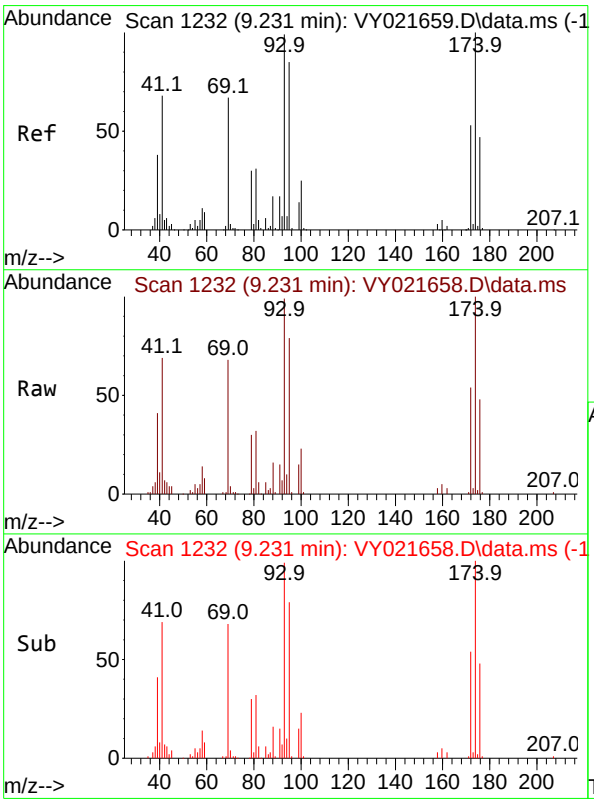
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

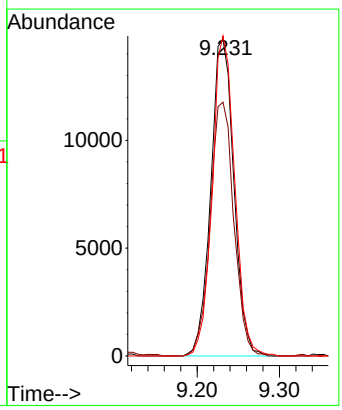
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

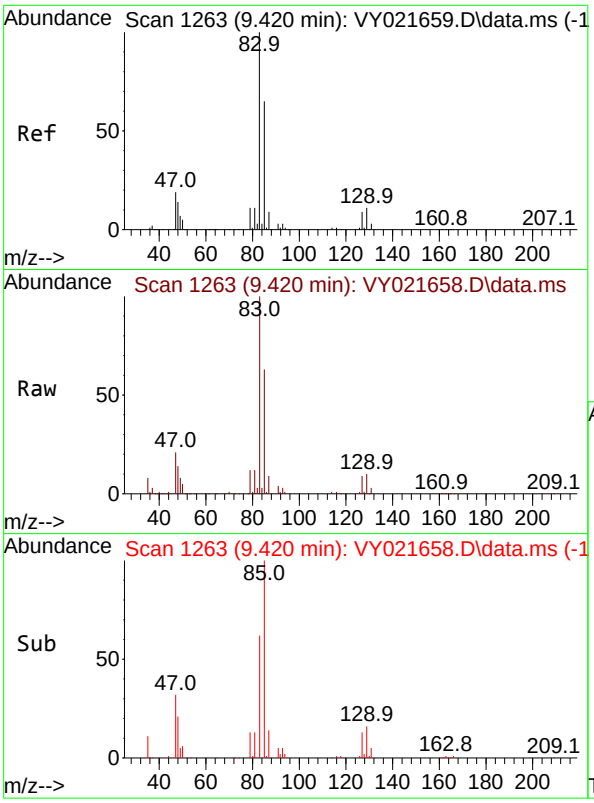


#46
Dibromomethane
Concen: 19.067 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 93 Resp: 28698

Ion	Ratio	Lower	Upper
93	100		
95	81.9	68.1	102.1
174	97.9	80.9	121.3

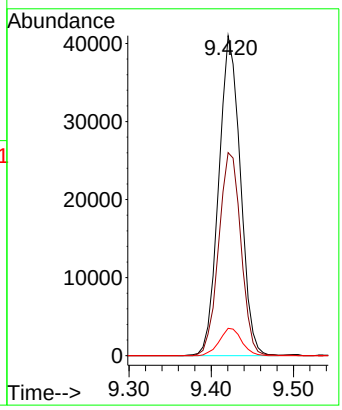




#47
Bromodichloromethane
Concen: 19.262 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 83 Resp: 7512

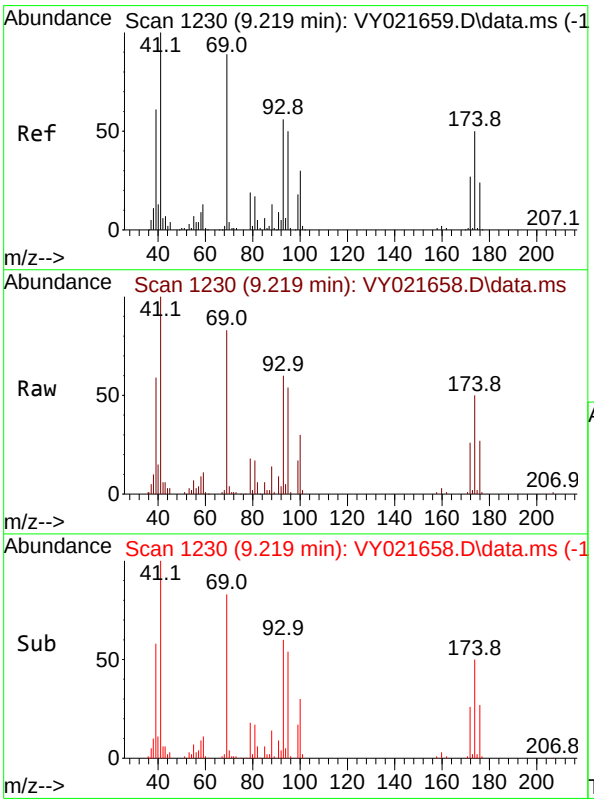
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6
127	8.5	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

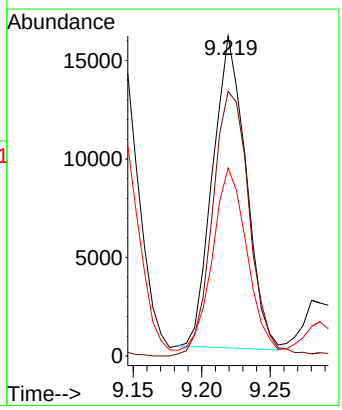
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

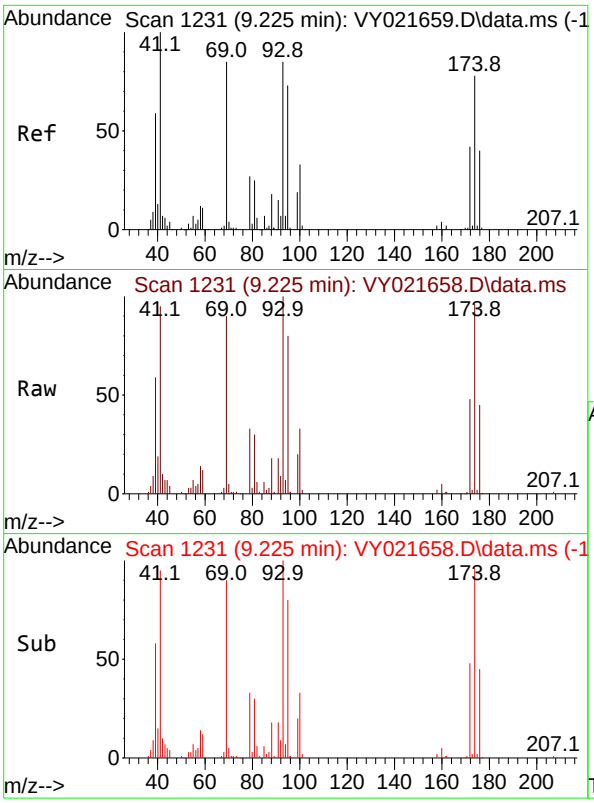


#48
Methyl methacrylate
Concen: 17.695 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 41 Resp: 26759

Ion	Ratio	Lower	Upper
41	100		
69	95.3	69.8	104.8
39	60.0	47.2	70.8

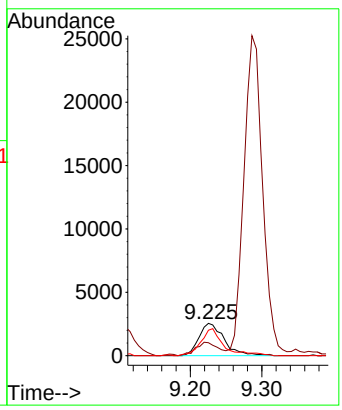




#49
1,4-Dioxane
Concen: 388.254 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 88 Resp: 626

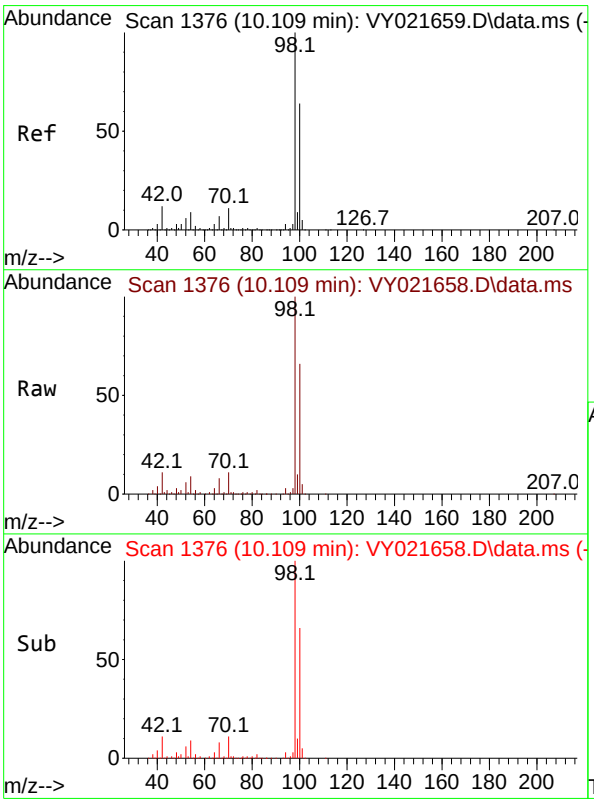
Ion	Ratio	Lower	Upper
88	100		
43	36.8	28.8	43.2
58	75.8	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

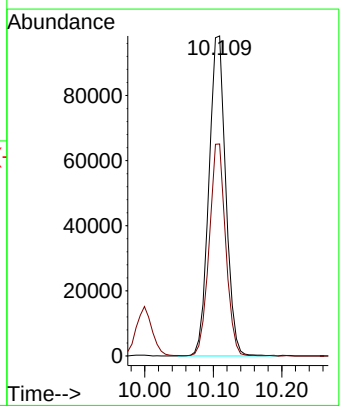
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

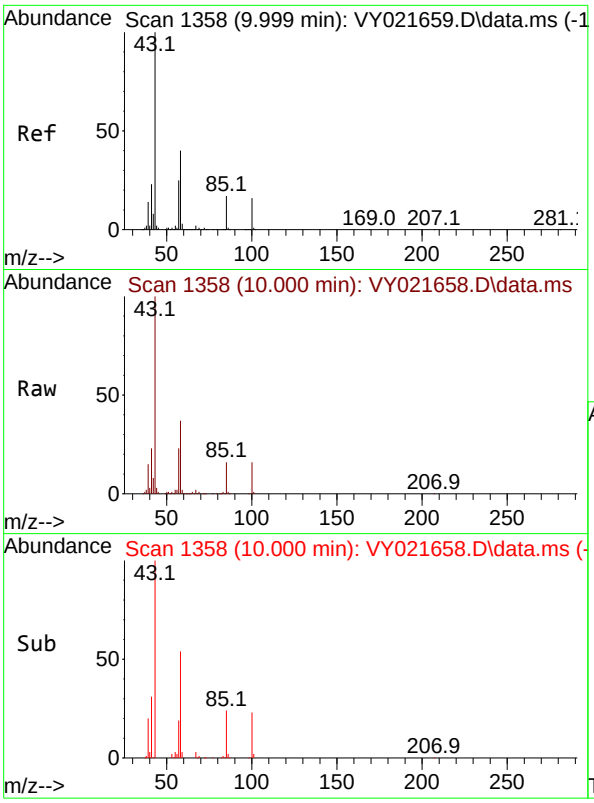


#50
Toluene-d8
Concen: 18.262 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 98 Resp: 168040

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1

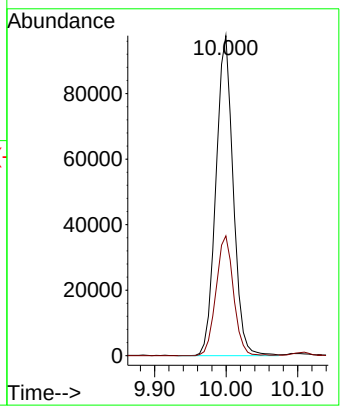




#51
4-Methyl-2-Pentanone
Concen: 95.304 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 16341

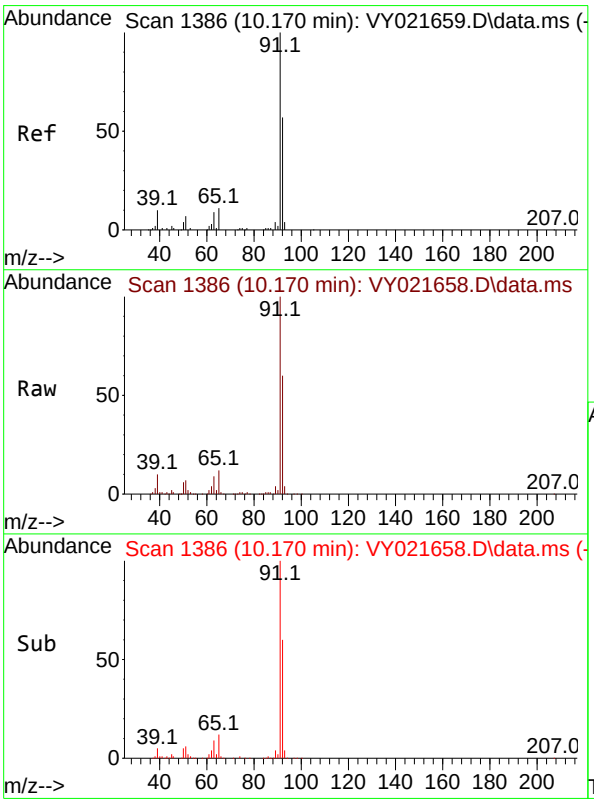
Ion	Ratio	Lower	Upper
43	100		
58	38.1	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

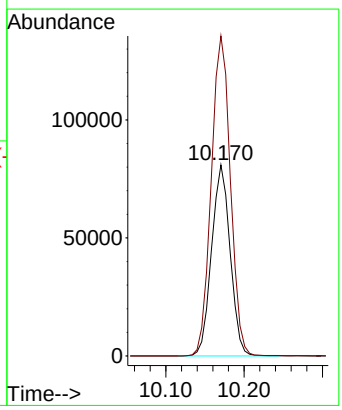
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

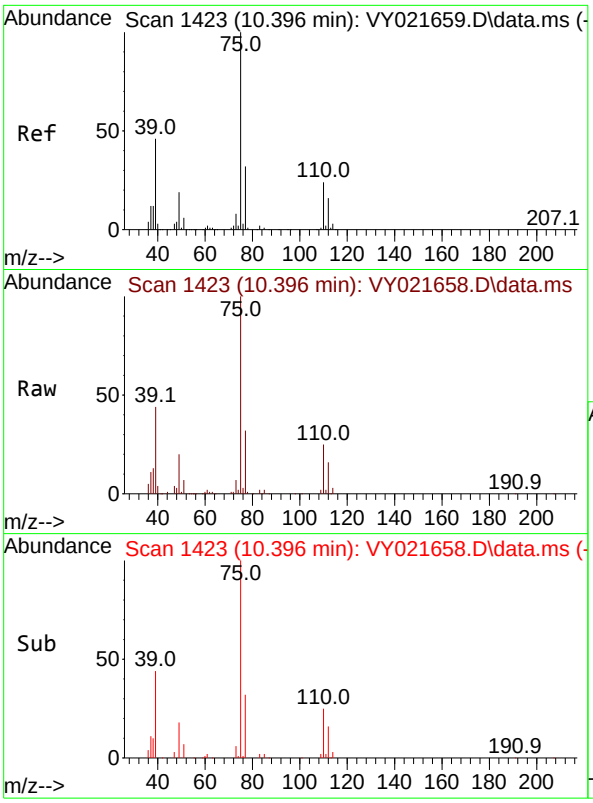


#52
Toluene
Concen: 19.340 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 92 Resp: 133126

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.6	207.8

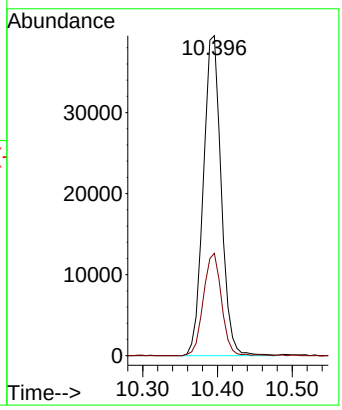




#53
t-1,3-Dichloropropene
Concen: 18.919 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 6553(

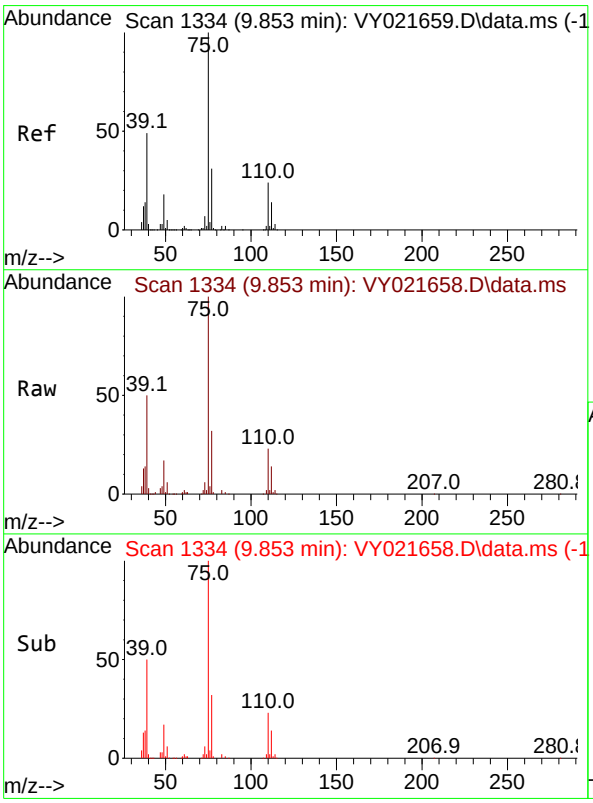
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

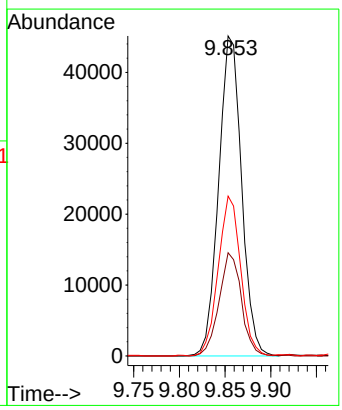
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

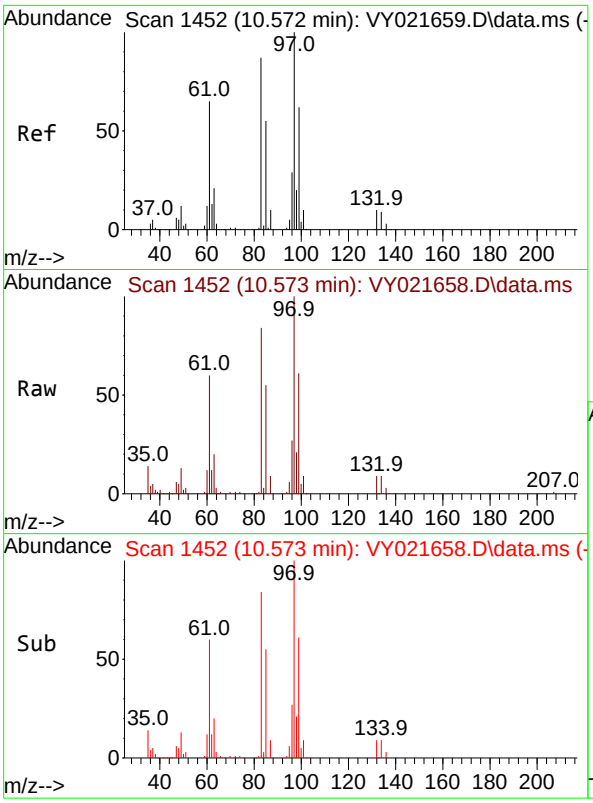


#54
cis-1,3-Dichloropropene
Concen: 19.271 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 78753

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.9	37.3
39	49.7	39.2	58.8

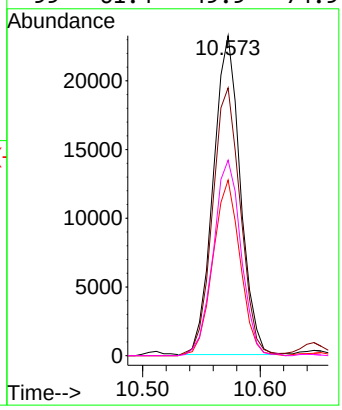




#55
1,1,2-Trichloroethane
Concen: 19.140 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 97 Resp: 3707

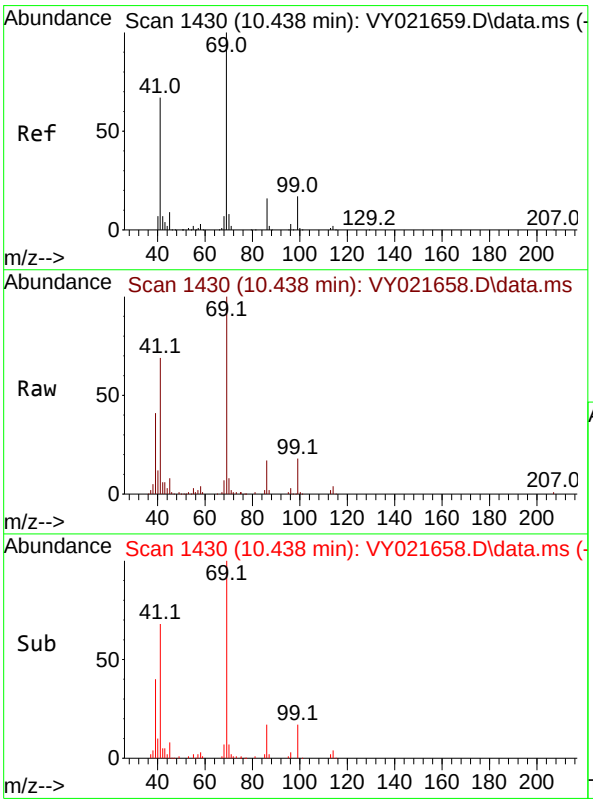
Ion	Ratio	Lower	Upper
97	100		
83	84.0	69.5	104.3
85	55.1	43.9	65.9
99	61.4	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

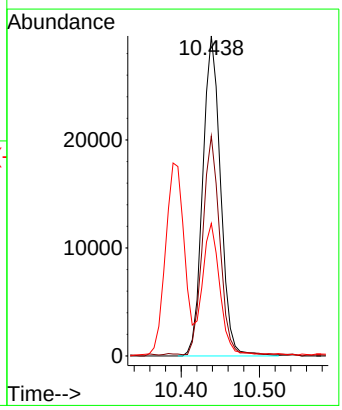
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

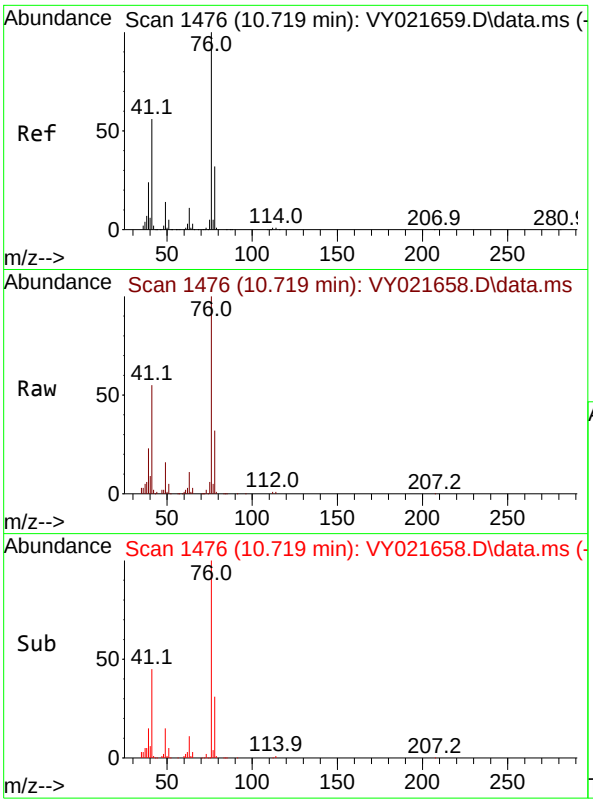


#56
Ethyl methacrylate
Concen: 18.936 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 69 Resp: 46833

Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.8	80.6
39	39.6	29.6	44.4

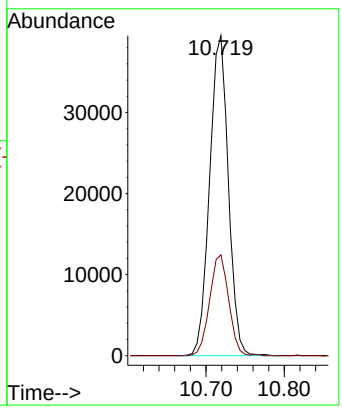




#57
1,3-Dichloropropane
Concen: 19.600 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 76 Resp: 6556

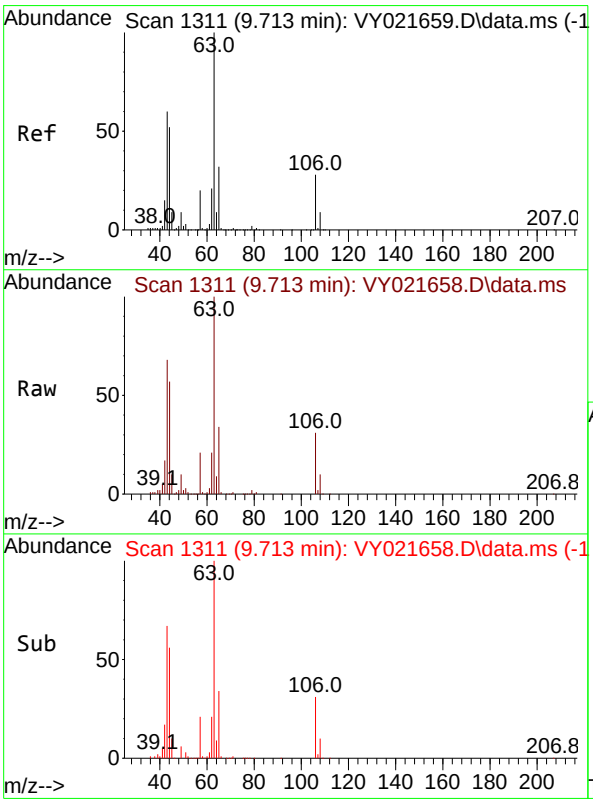
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

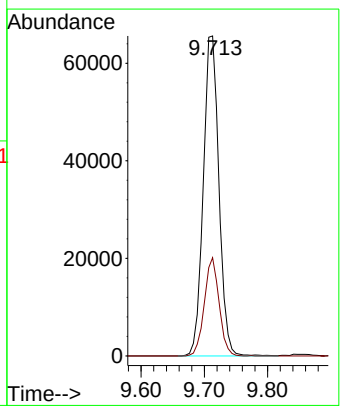
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

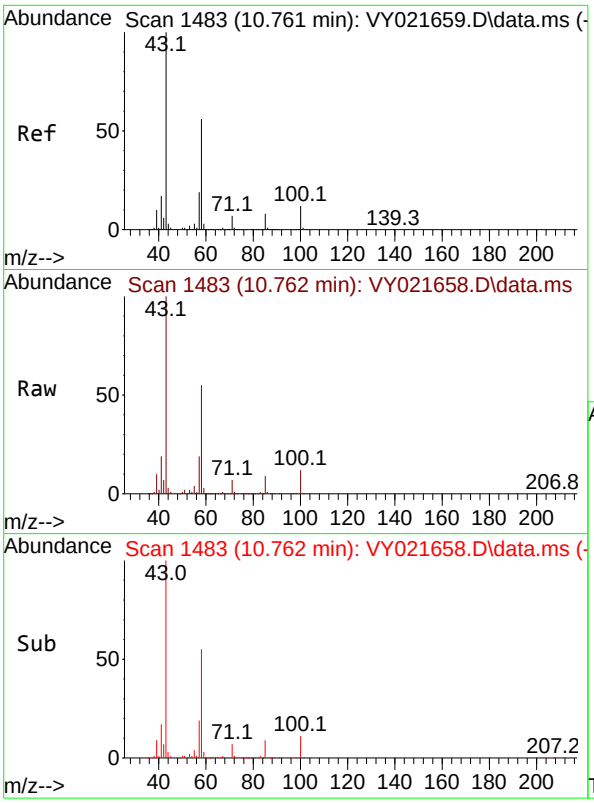


#58
2-Chloroethyl Vinyl ether
Concen: 93.615 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 63 Resp: 112947

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.4	33.6

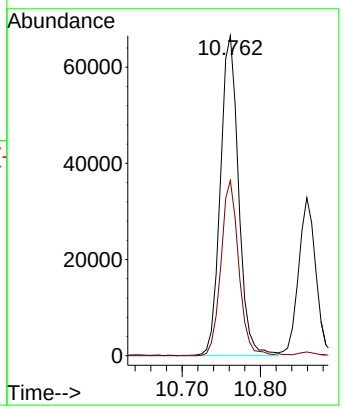




#59
2-Hexanone
Concen: 94.241 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 10761

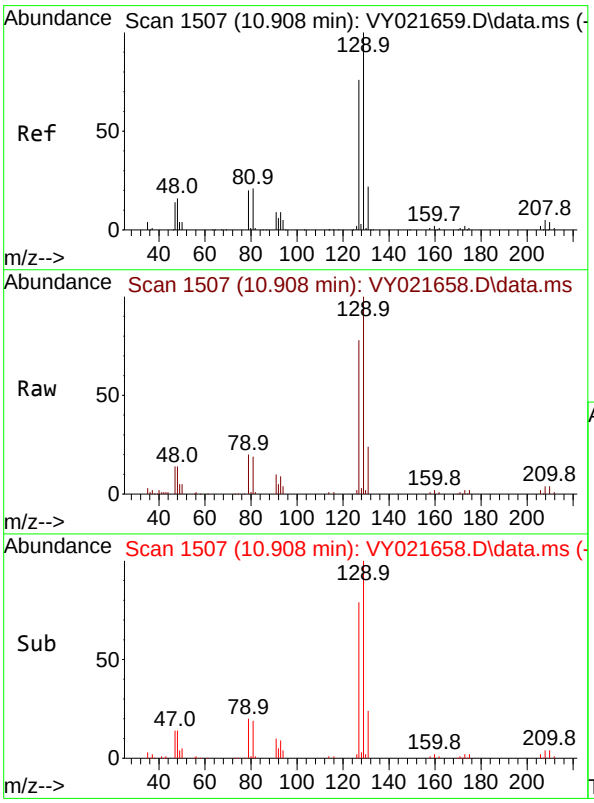
Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

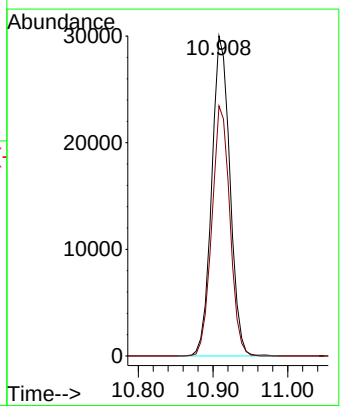
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

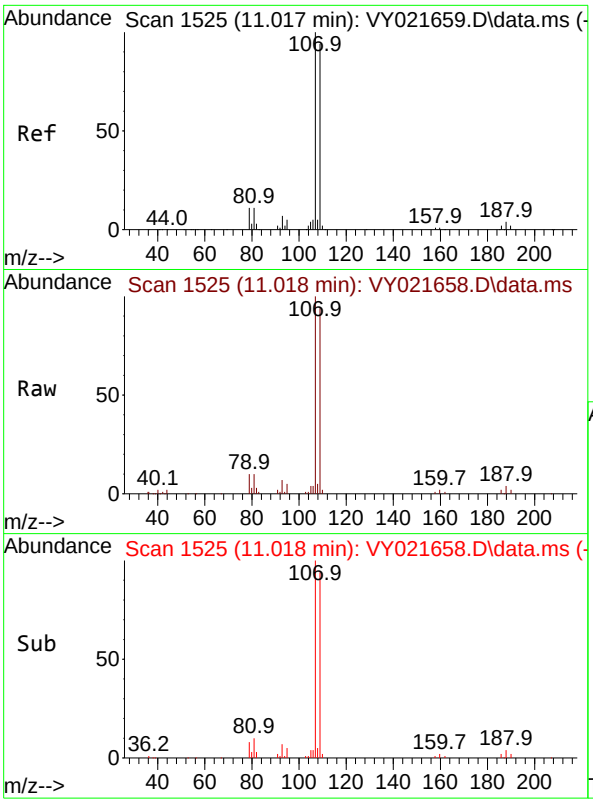


#60
Dibromochloromethane
Concen: 19.187 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:129 Resp: 50740

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.7

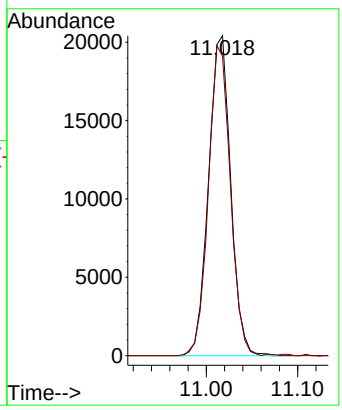




#61
1,2-Dibromoethane
Concen: 18.874 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:107 Resp: 3429

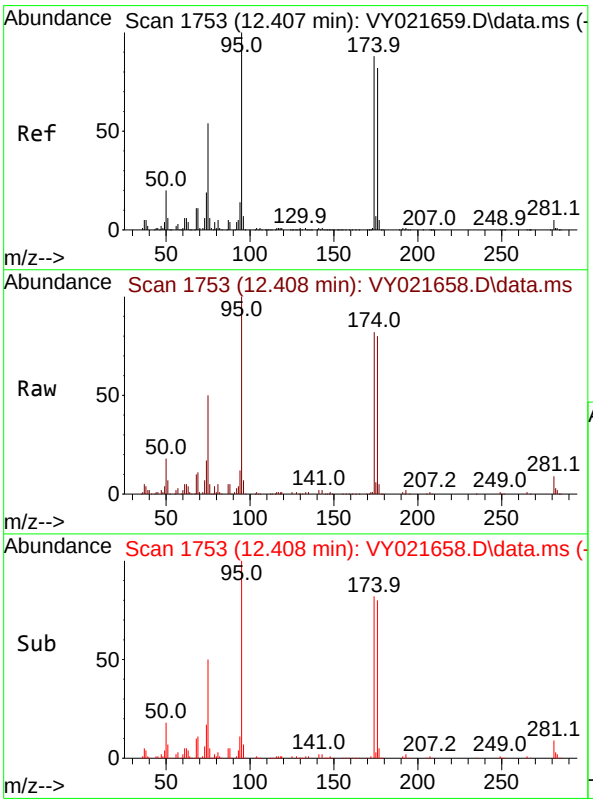
Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

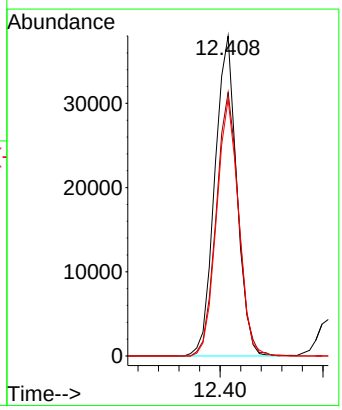
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

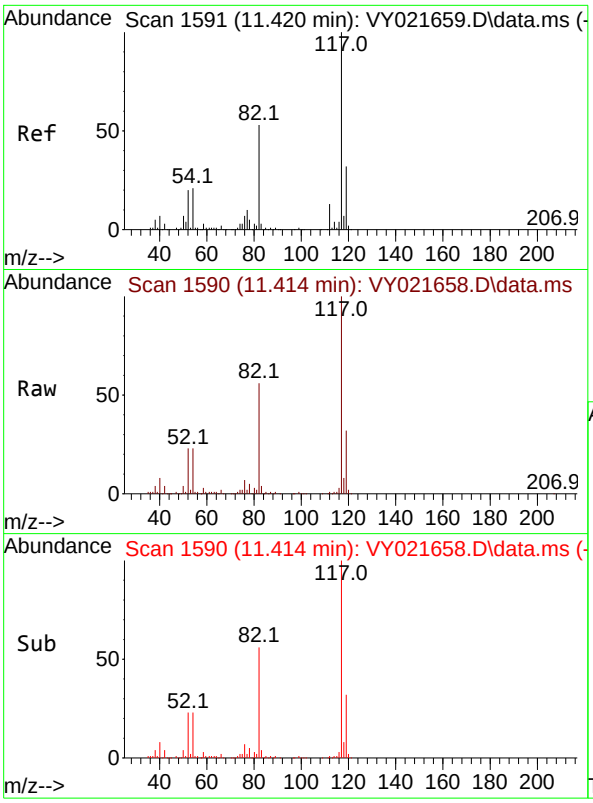


#62
4-Bromofluorobenzene
Concen: 18.092 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 95 Resp: 56308

Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.8
176	80.6	0.0	162.0

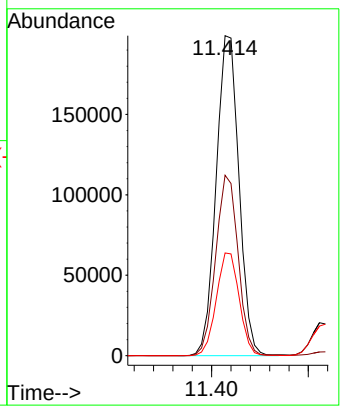




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:117 Resp: 32515

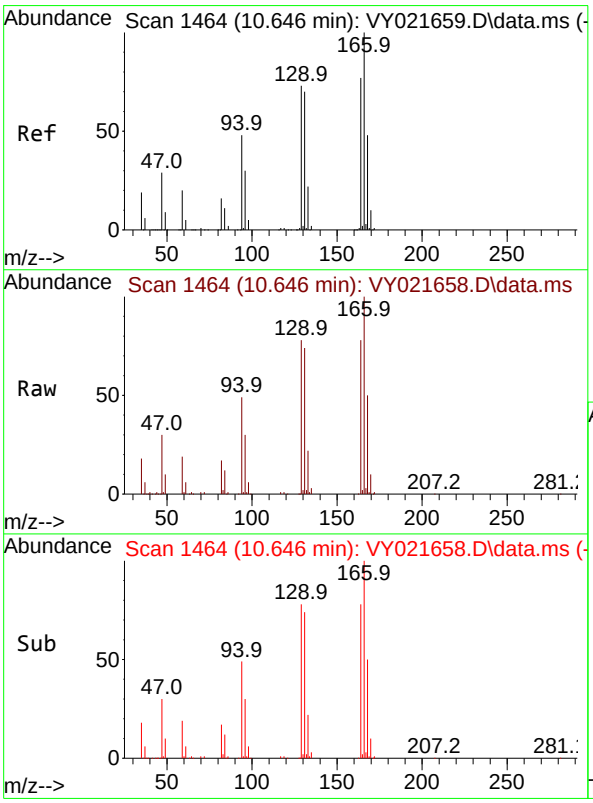
Ion	Ratio	Lower	Upper
117	100		
82	56.4	42.8	64.2
119	32.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

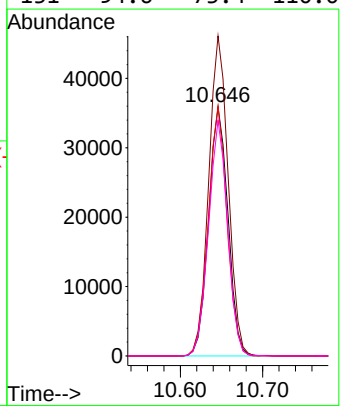
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

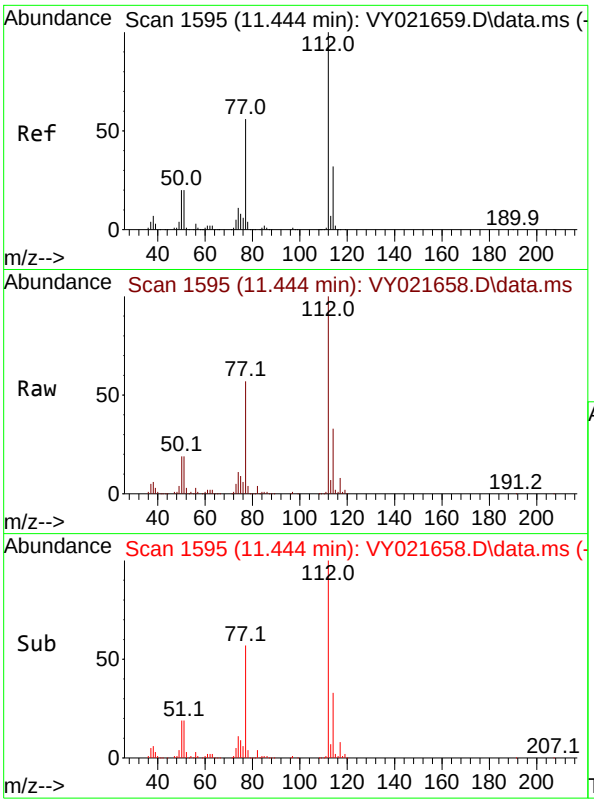


#64
Tetrachloroethene
Concen: 19.897 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:164 Resp: 58923

Ion	Ratio	Lower	Upper
164	100		
166	128.5	104.6	156.8
129	100.1	76.6	114.8
131	94.6	73.4	110.0

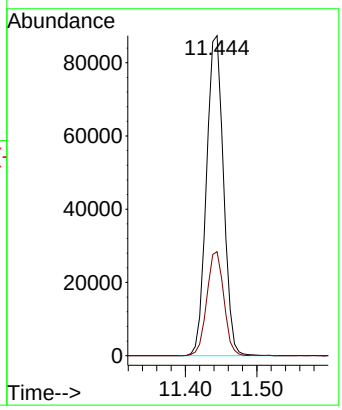




#65
Chlorobenzene
Concen: 19.375 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:112 Resp: 14441

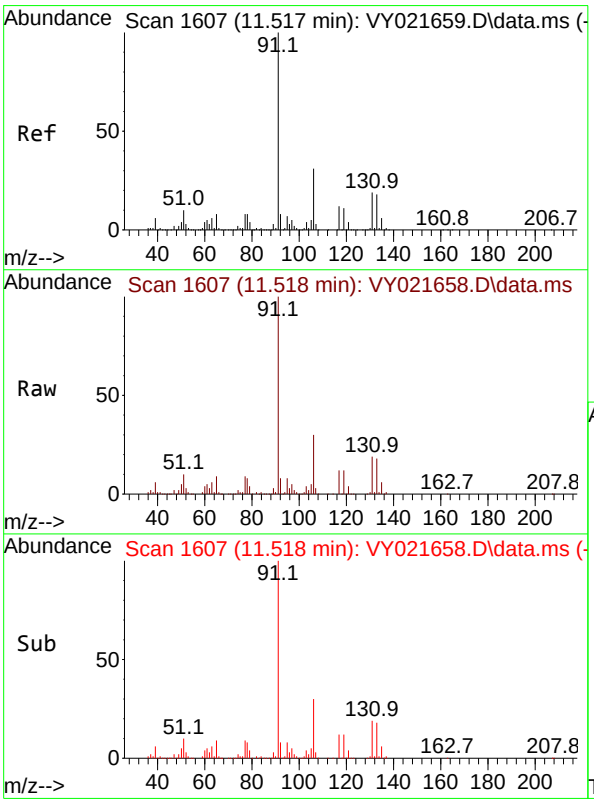
Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

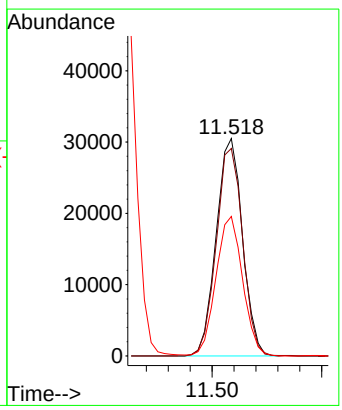
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

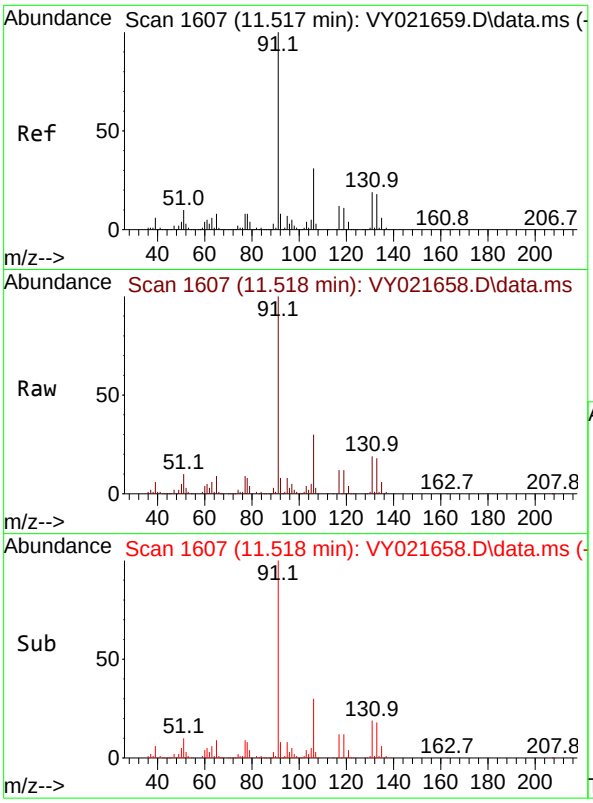


#66
1,1,1,2-Tetrachloroethane
Concen: 19.173 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:131 Resp: 50703

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.3	141.8
119	65.2	31.6	95.0

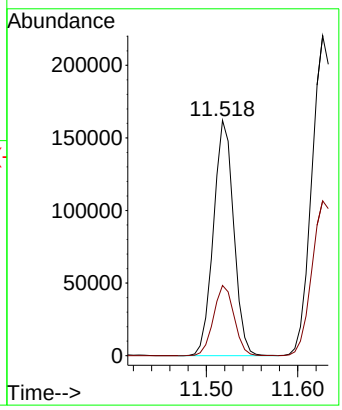




#67
Ethyl Benzene
Concen: 19.515 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 24943

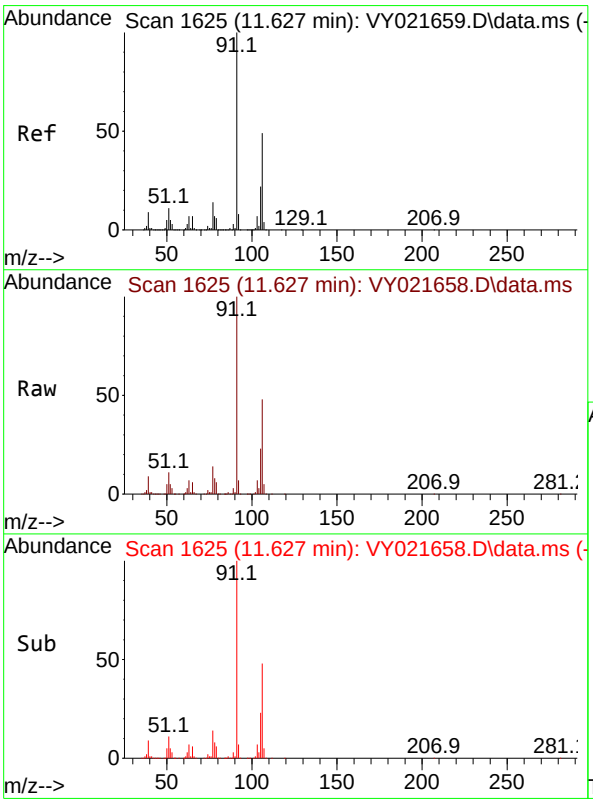
Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

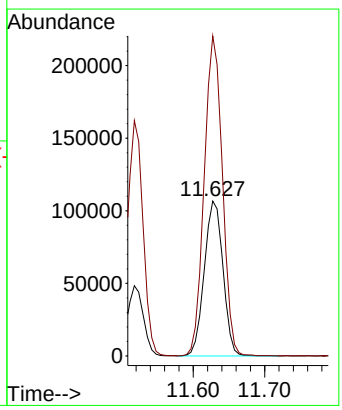
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

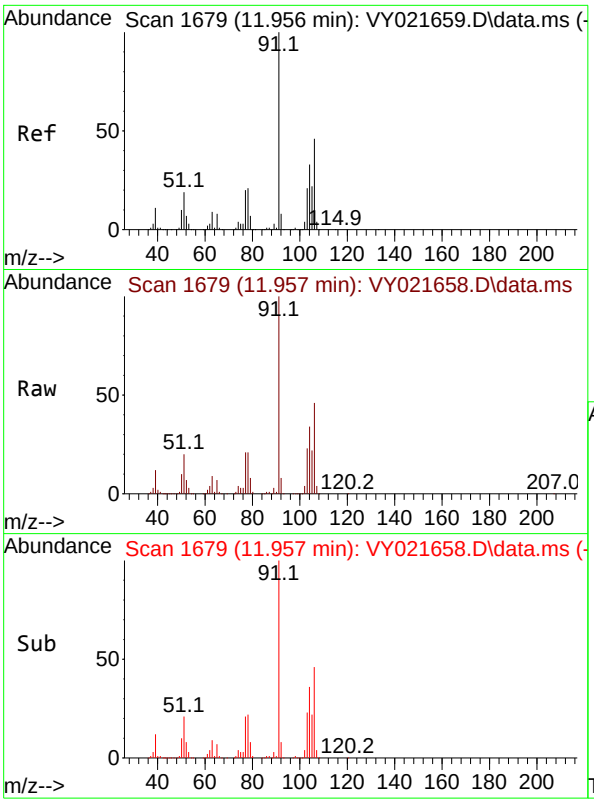


#68
m/p-Xylenes
Concen: 39.549 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:106 Resp: 193566

Ion	Ratio	Lower	Upper
106	100		
91	201.0	162.4	243.6





#69
o-Xylene
Concen: 19.462 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

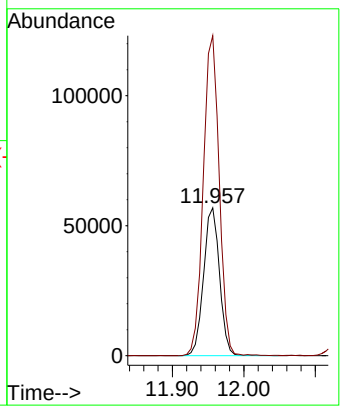
Tgt Ion:106 Resp: 8792

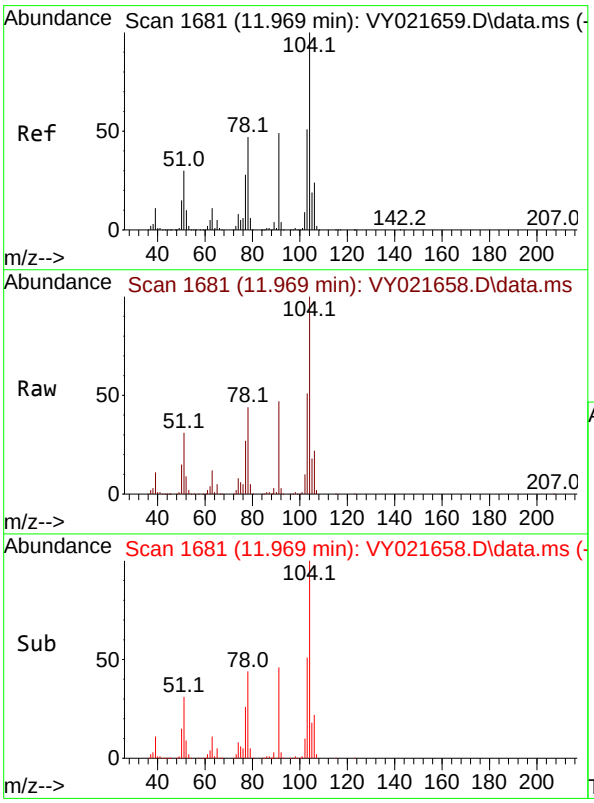
Ion	Ratio	Lower	Upper
106	100		
91	216.7	106.7	319.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

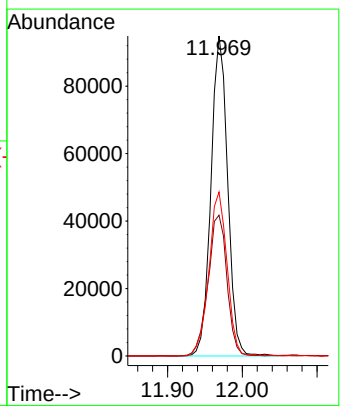


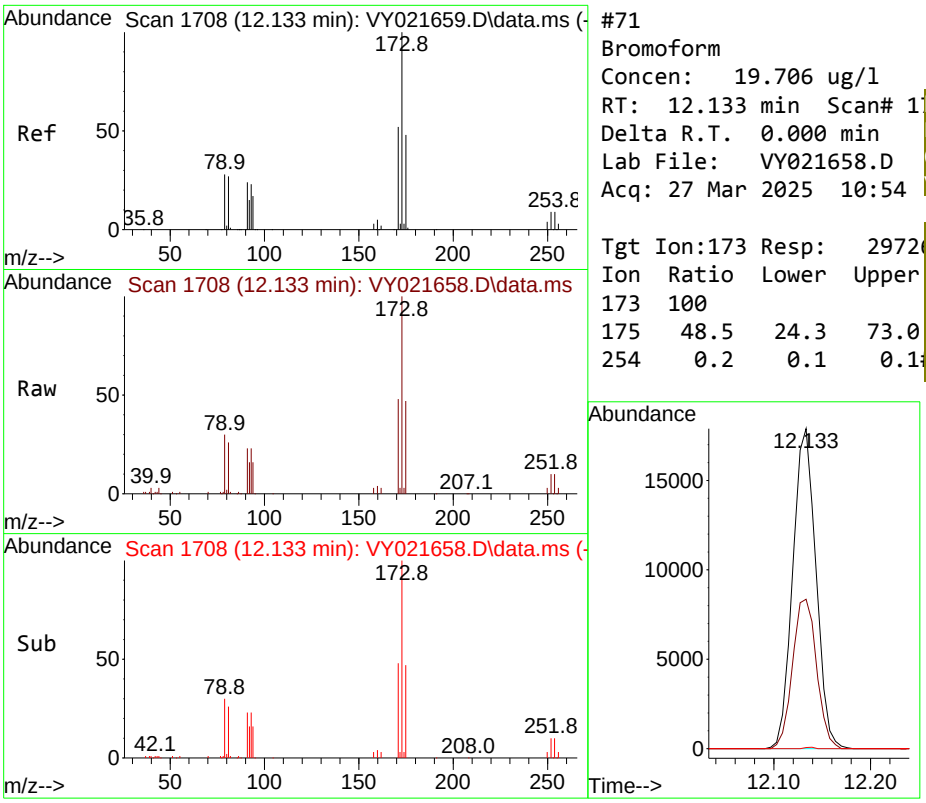


#70
Styrene
Concen: 19.580 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:104 Resp: 147490

Ion	Ratio	Lower	Upper
104	100		
78	49.9	40.8	61.2
103	55.7	44.2	66.2





#71
Bromoform
Concen: 19.706 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

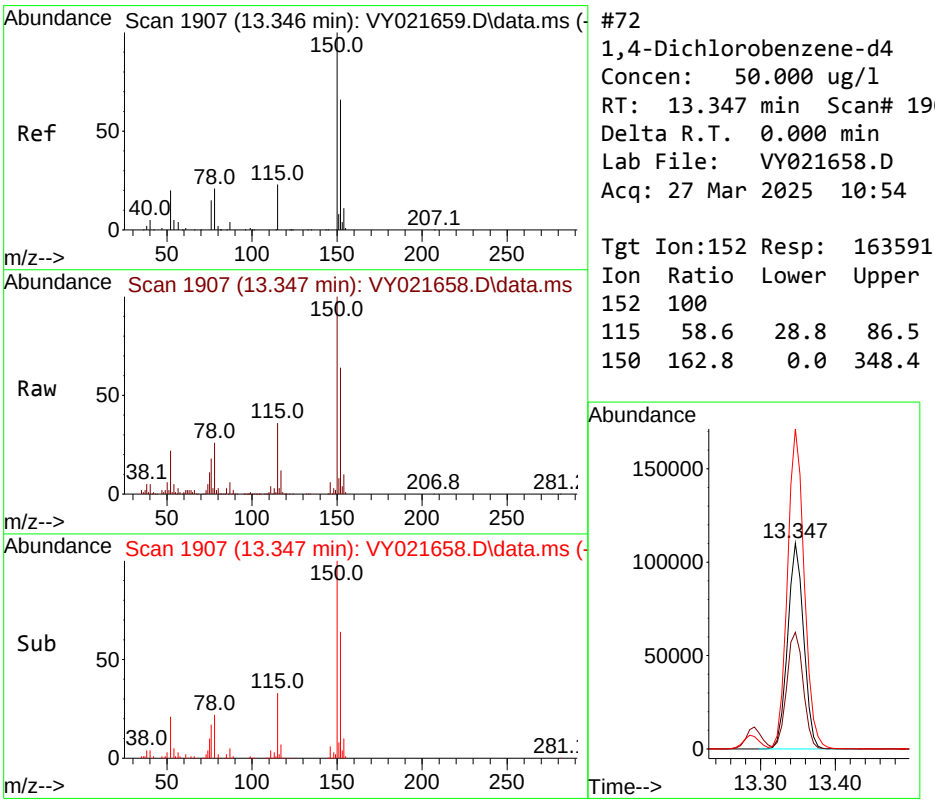
Tgt Ion:173 Resp: 2972

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	0.2	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

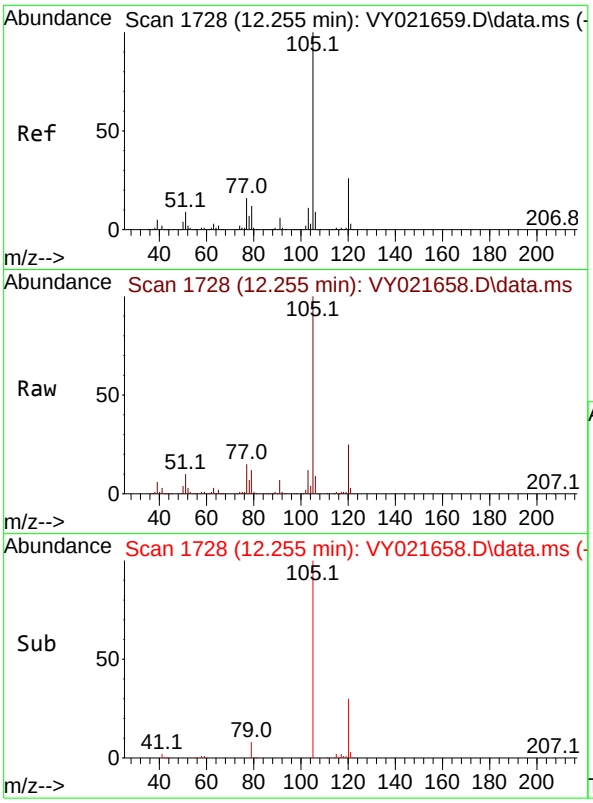
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:152 Resp: 163591

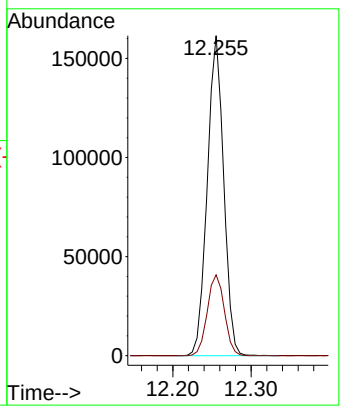
Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.8	86.5
150	162.8	0.0	348.4



#73
Isopropylbenzene
Concen: 19.290 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 23438

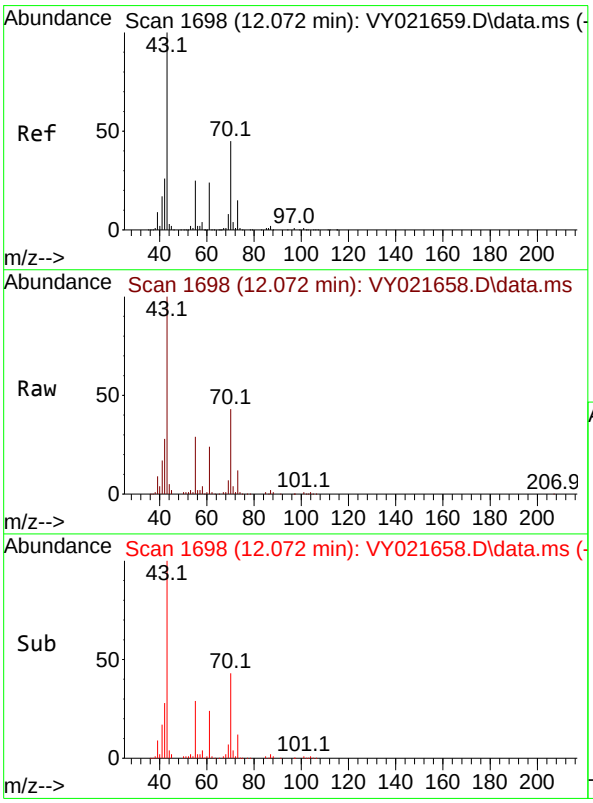
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

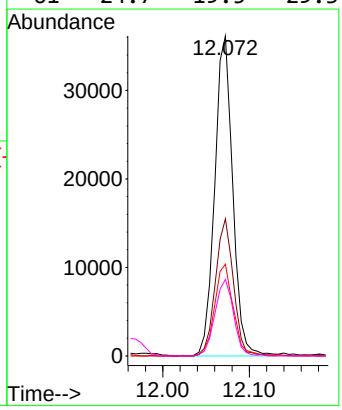
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

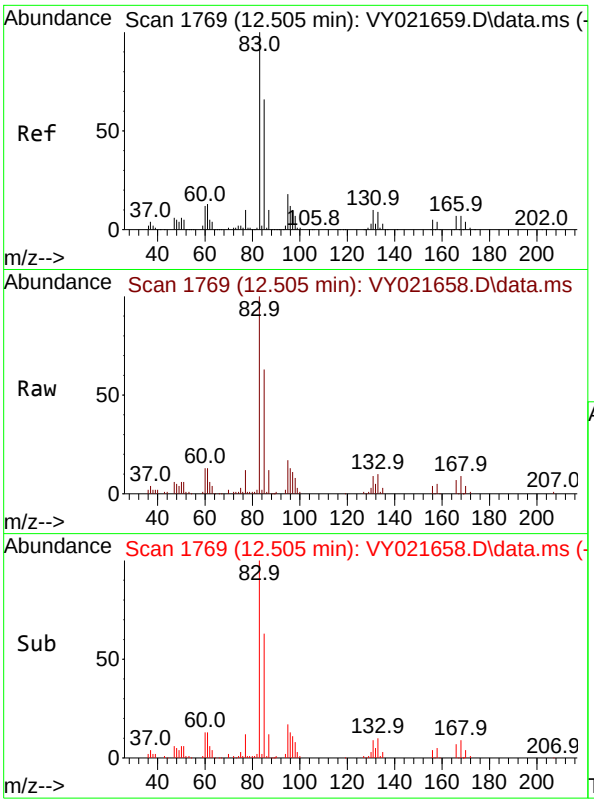


#74
N-amyl acetate
Concen: 18.355 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 43 Resp: 52342

Ion	Ratio	Lower	Upper
43	100		
70	42.9	34.7	52.1
55	30.0	21.2	31.8
61	24.7	19.5	29.3

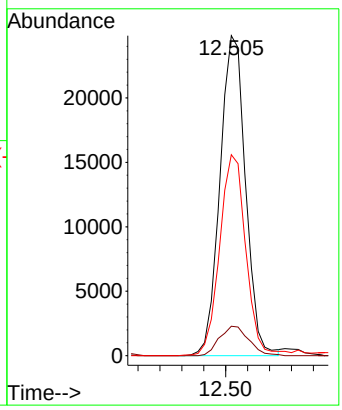




#75
1,1,2,2-Tetrachloroethane
Concen: 18.438 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 83 Resp: 4027

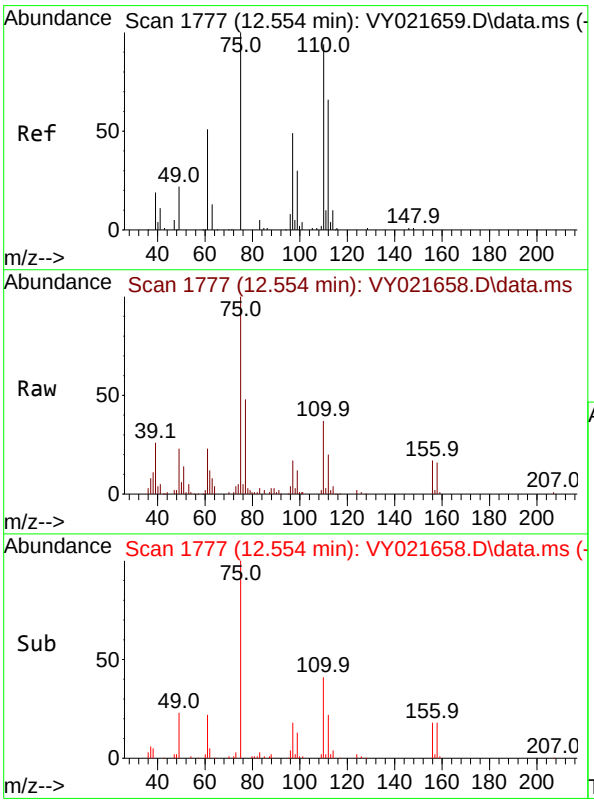
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	64.3	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

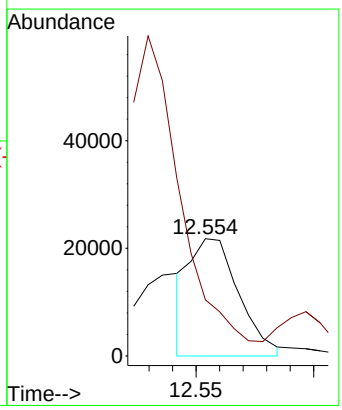
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

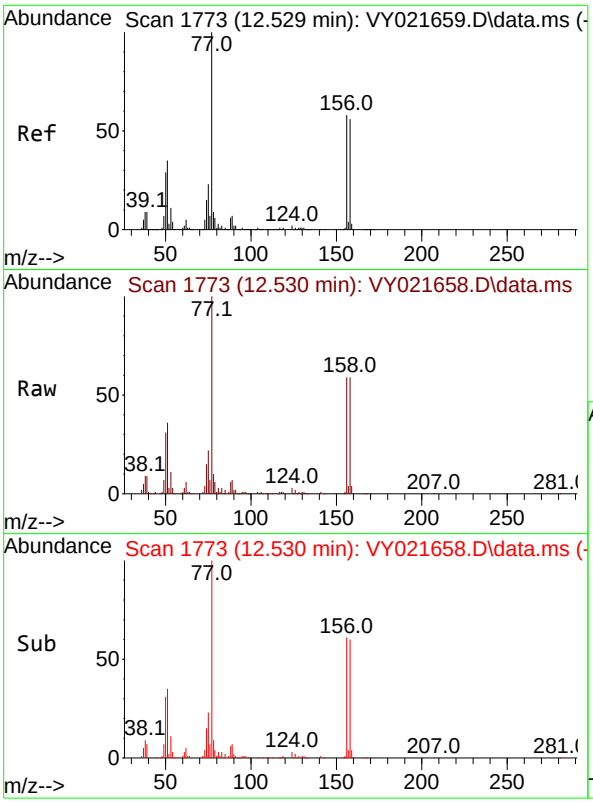


#76
1,2,3-Trichloropropane
Concen: 19.644 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 31855

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

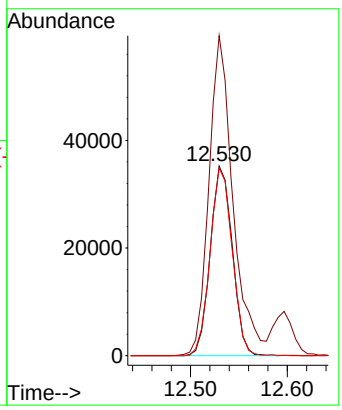




#77
Bromobenzene
Concen: 19.119 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:156 Resp: 5577

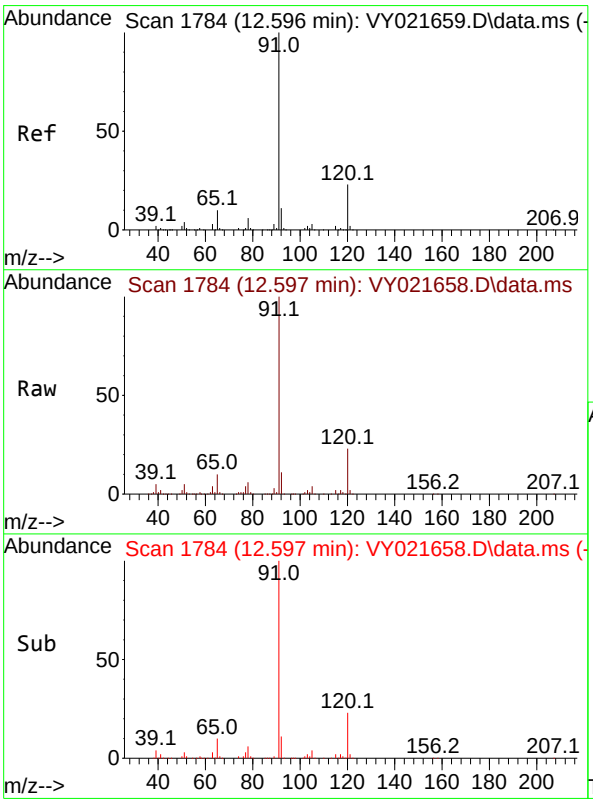
Ion	Ratio	Lower	Upper
156	100		
77	184.4	92.8	278.3
158	99.7	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

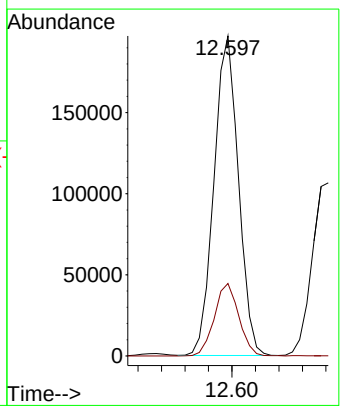
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

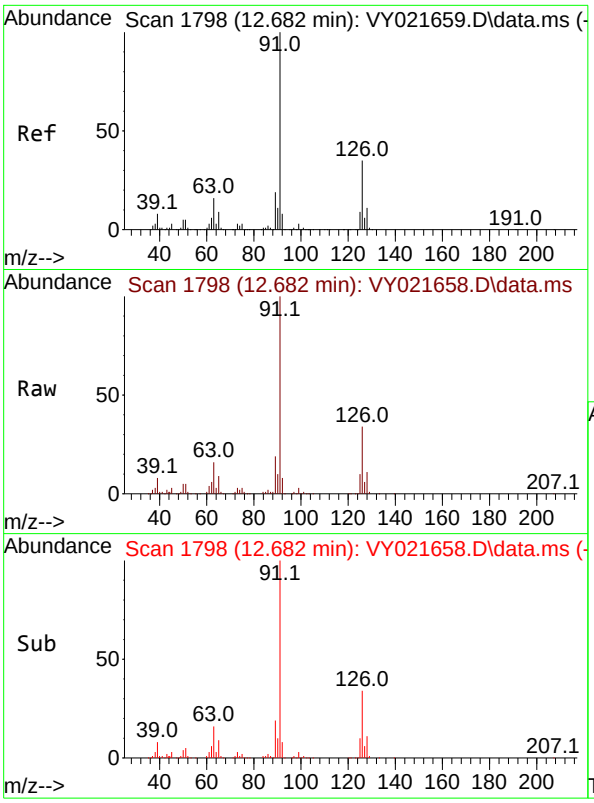


#78
n-propylbenzene
Concen: 19.480 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 284563

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.9

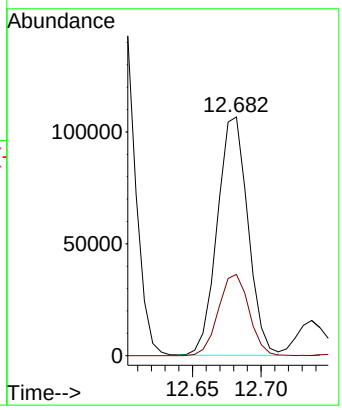




#79
2-Chlorotoluene
Concen: 19.555 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 16591

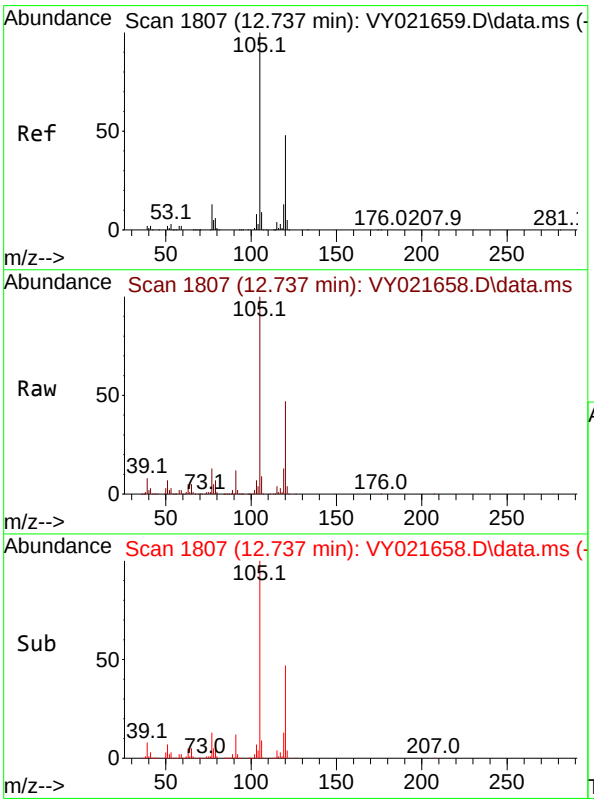
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

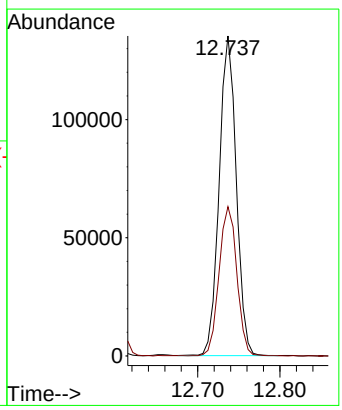
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

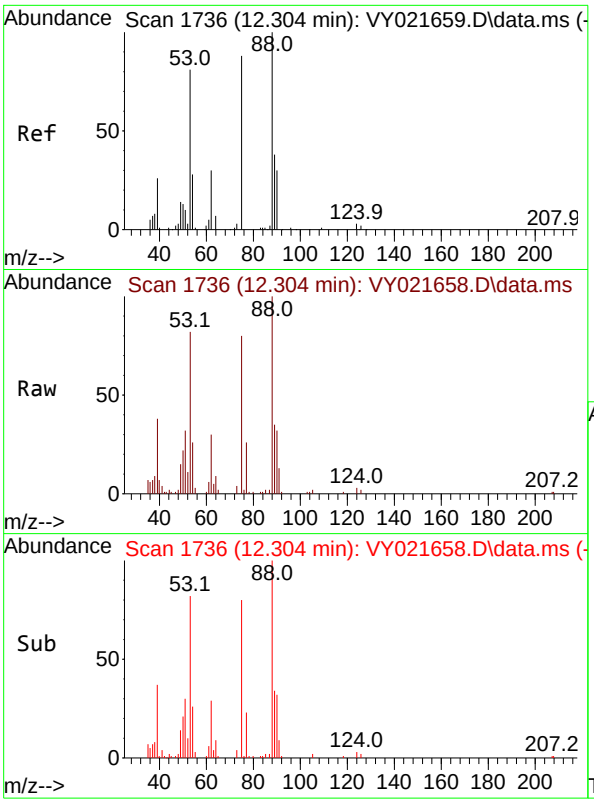


#80
1,3,5-Trimethylbenzene
Concen: 19.651 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 195141

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.5	73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 18.502 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

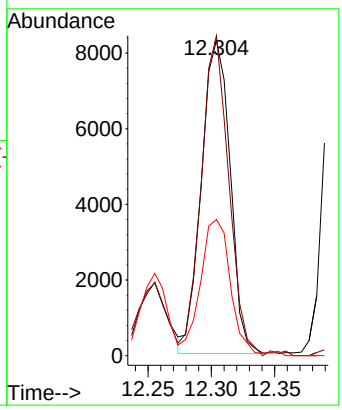
Tgt Ion: 75 Resp: 1302

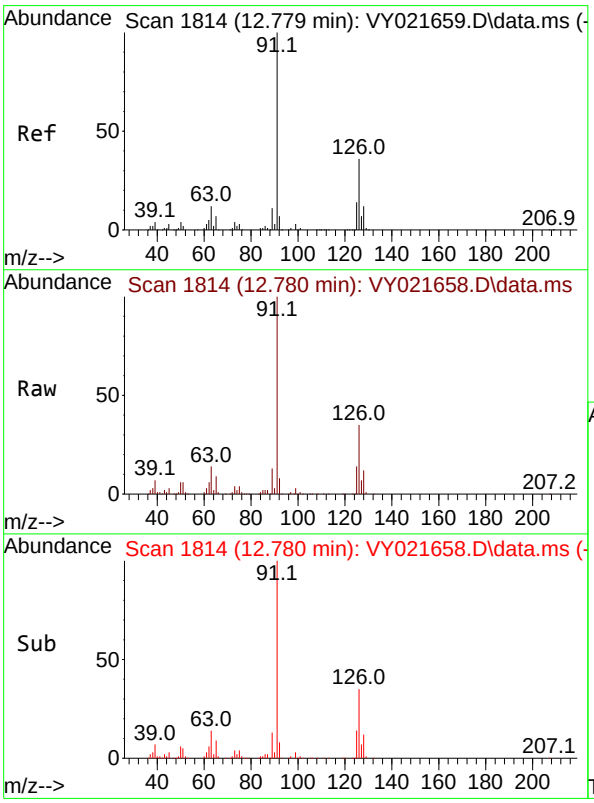
Ion	Ratio	Lower	Upper
75	100		
53	98.6	76.1	114.1
89	44.2	36.2	54.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

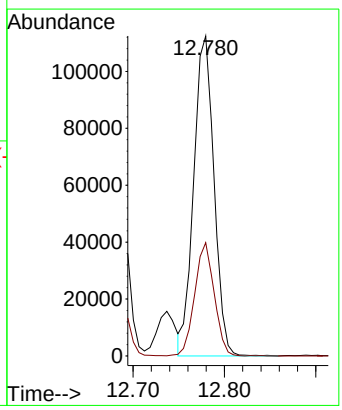


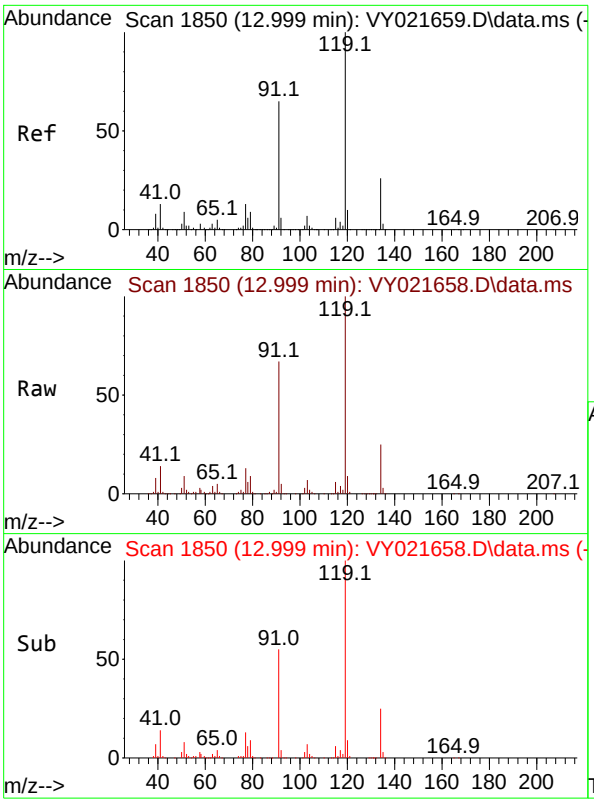


#82
4-Chlorotoluene
Concen: 19.593 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 173311

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9

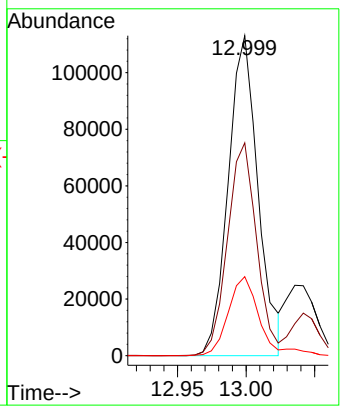




#83
tert-Butylbenzene
Concen: 19.357 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:119 Resp: 17121

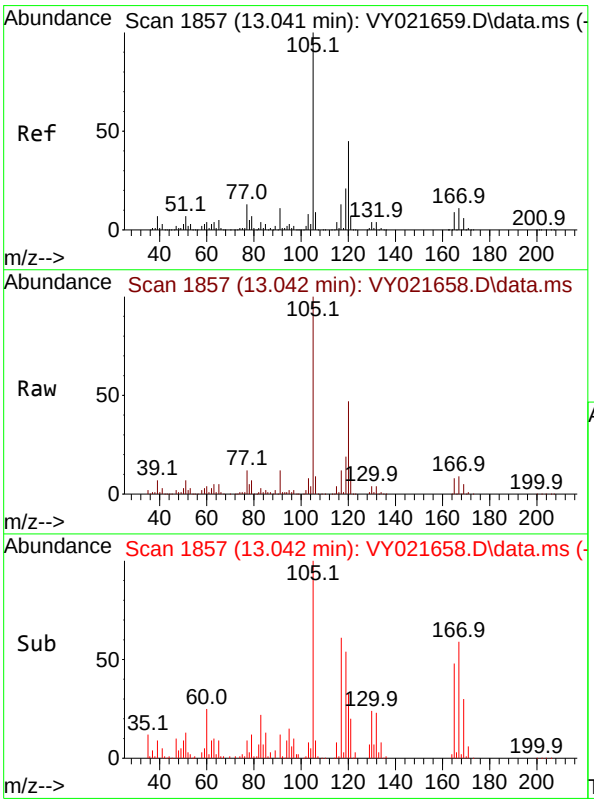
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.1	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

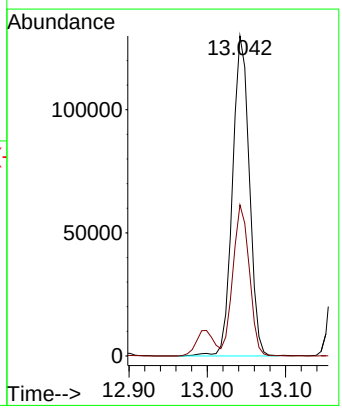
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

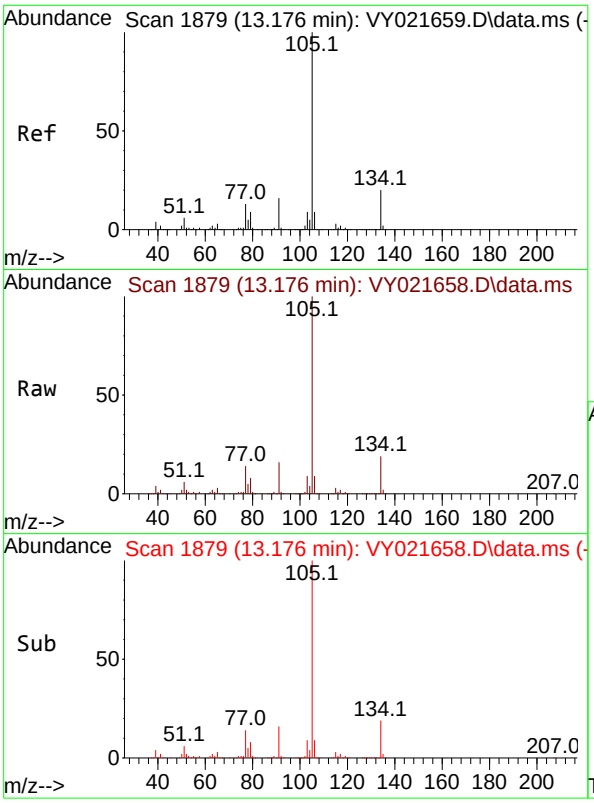


#84
1,2,4-Trimethylbenzene
Concen: 19.734 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 193683

Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.7	68.1

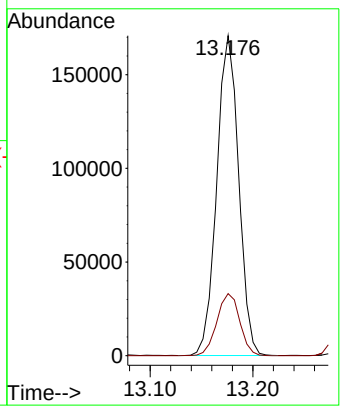




#85
sec-Butylbenzene
Concen: 19.540 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:105 Resp: 25257

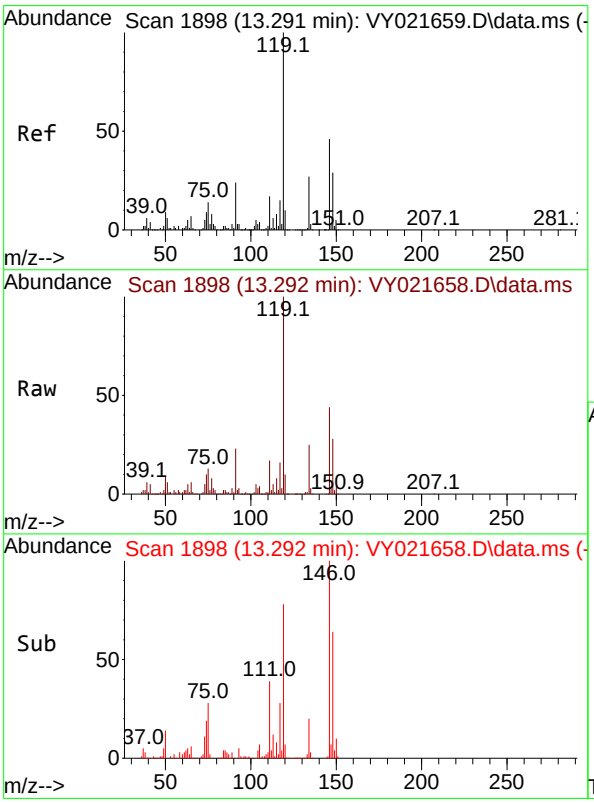
Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

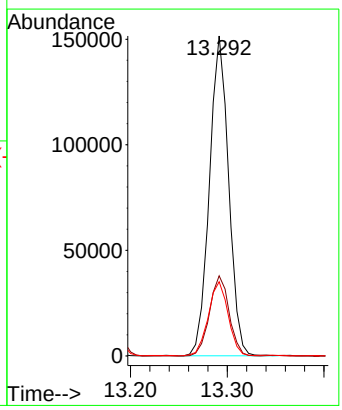
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

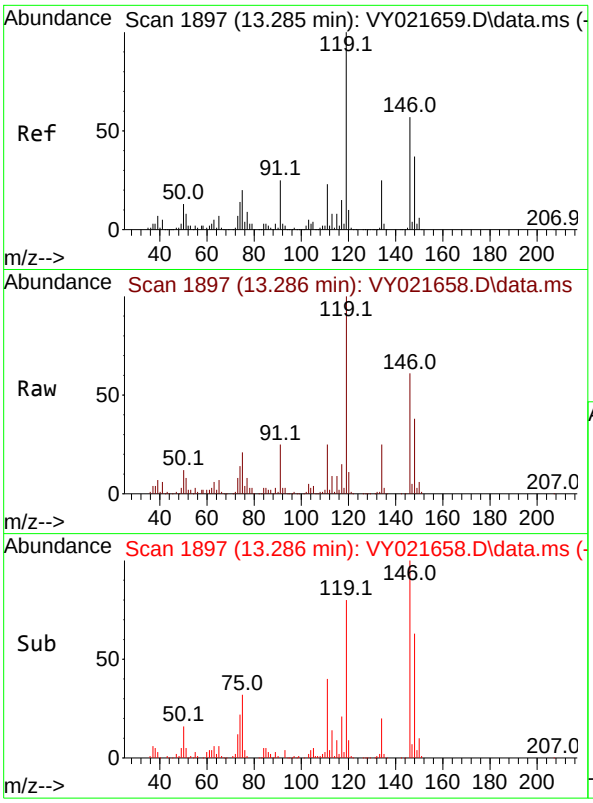


#86
p-Isopropyltoluene
Concen: 19.567 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:119 Resp: 209041

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.2	39.5
91	23.9	12.0	36.0

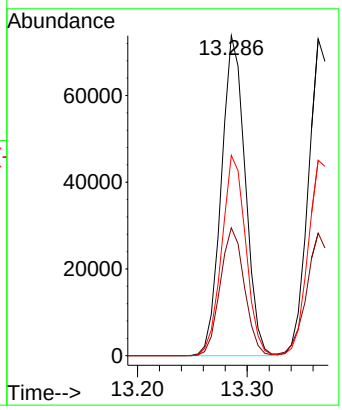




#87
1,3-Dichlorobenzene
Concen: 19.431 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:146 Resp: 11168

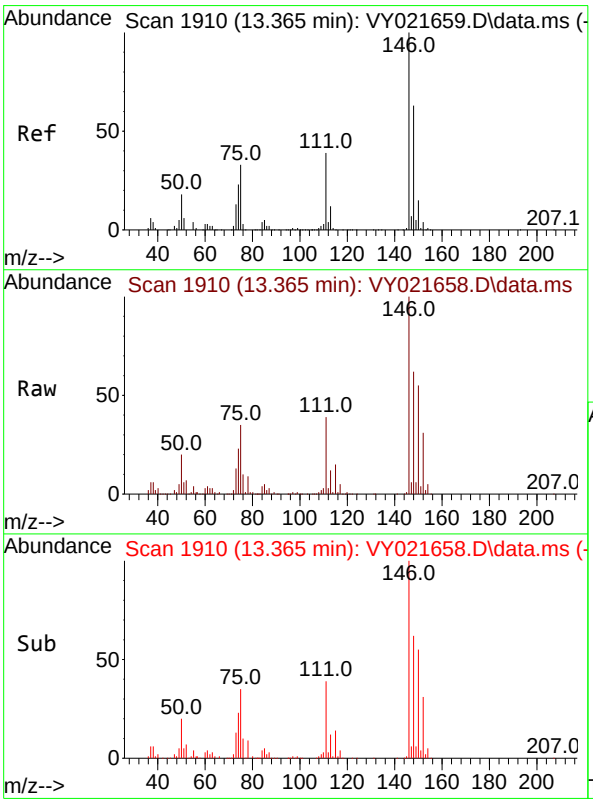
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	63.0	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

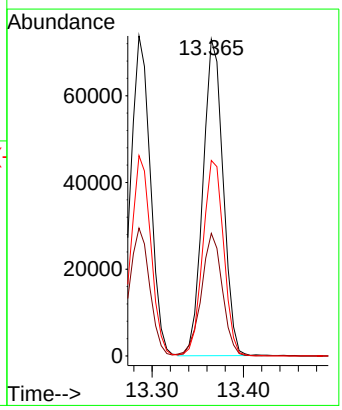
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

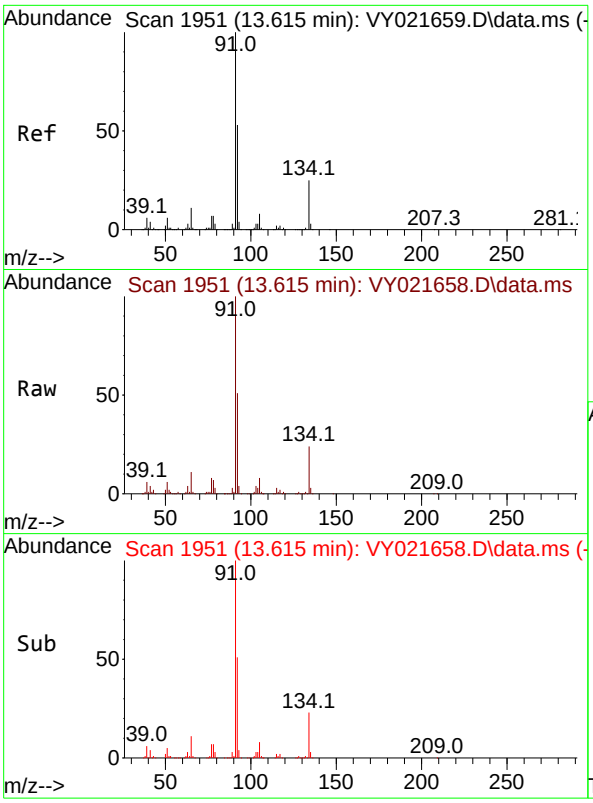


#88
1,4-Dichlorobenzene
Concen: 19.636 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:146 Resp: 111508

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.1	57.1
148	63.9	31.5	94.5

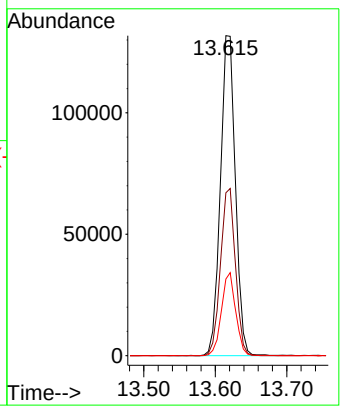




#89
n-Butylbenzene
Concen: 19.416 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 91 Resp: 19183

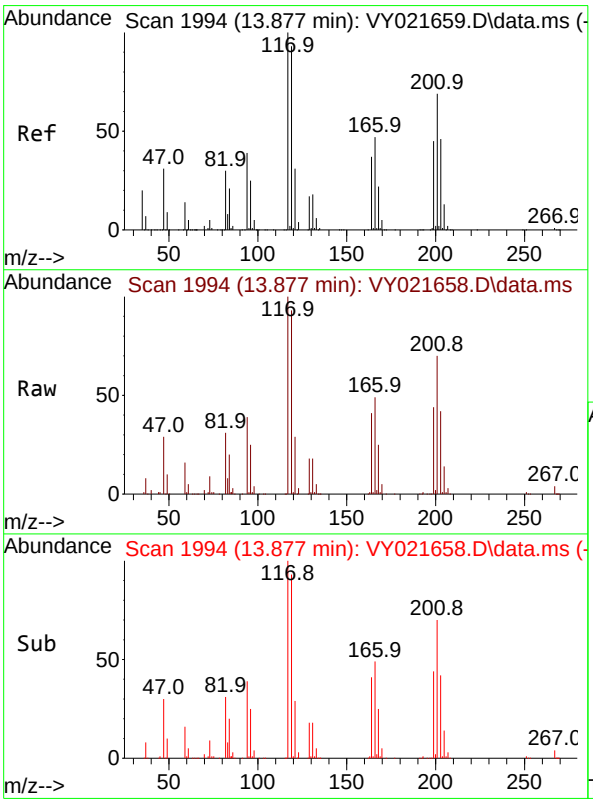
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.2
134	24.6	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

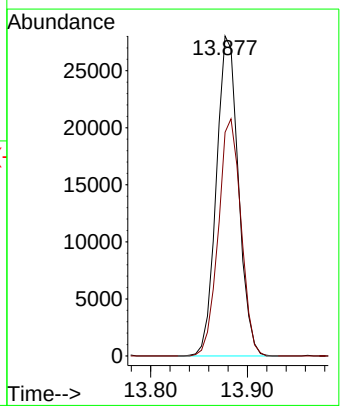
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

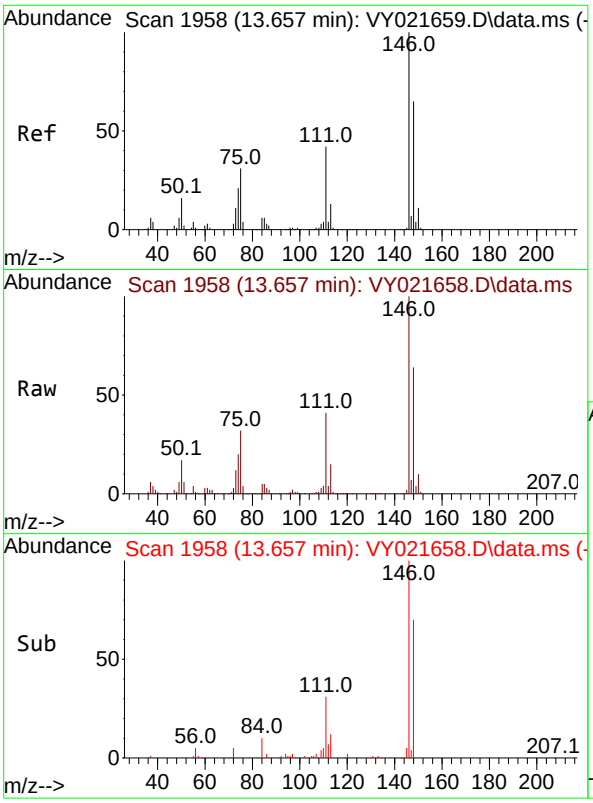


#90
Hexachloroethane
Concen: 18.928 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:117 Resp: 44313

Ion	Ratio	Lower	Upper
117	100		
201	76.0	37.4	112.1

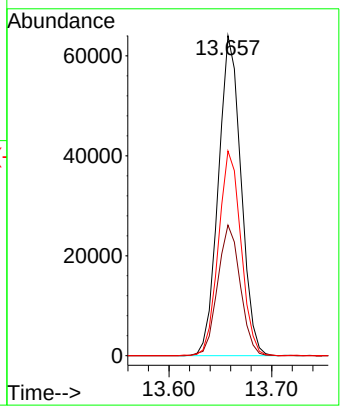




#91
1,2-Dichlorobenzene
Concen: 19.569 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:146 Resp: 9791

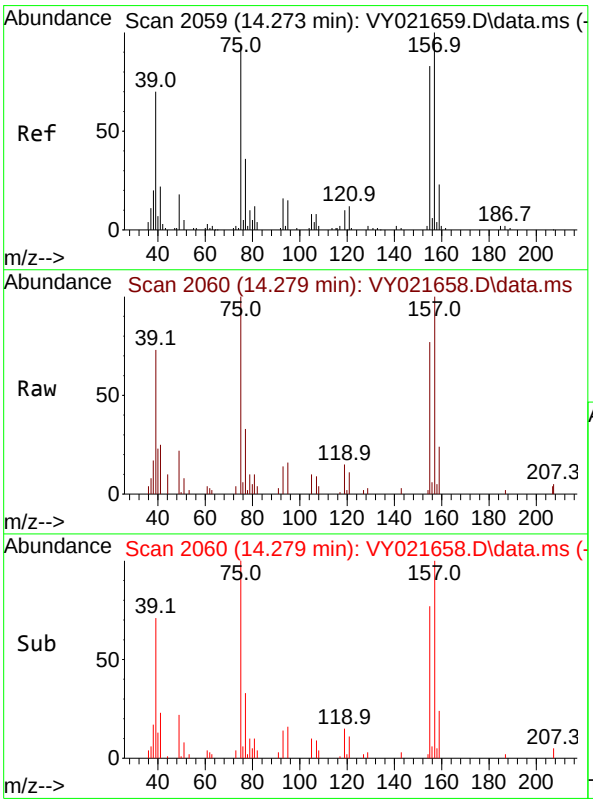
Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.7	62.1
148	63.6	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

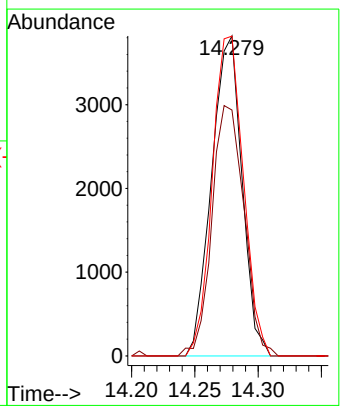
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

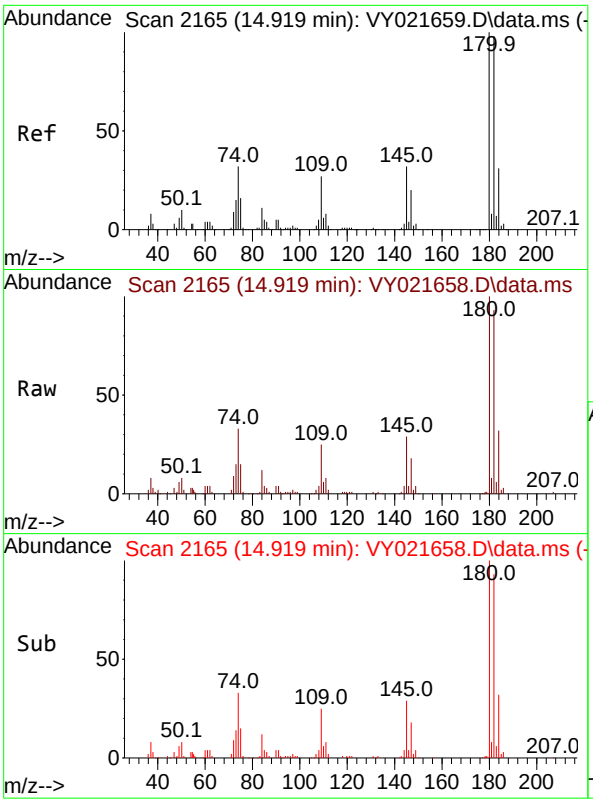


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.811 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion: 75 Resp: 6369

Ion	Ratio	Lower	Upper
75	100		
155	82.7	43.0	128.8
157	102.0	54.0	162.0

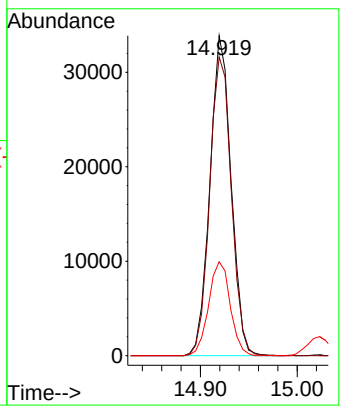




#93
1,2,4-Trichlorobenzene
Concen: 18.971 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:180 Resp: 5147

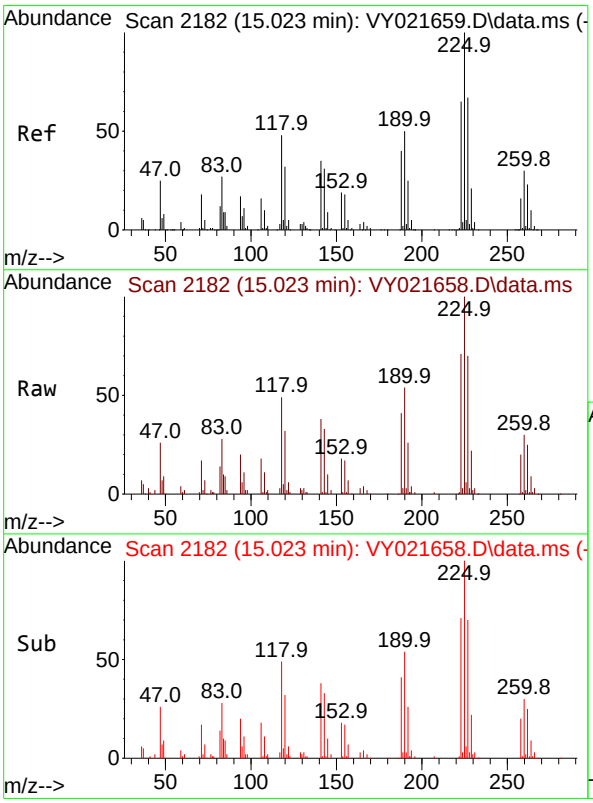
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.6
145	30.0	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

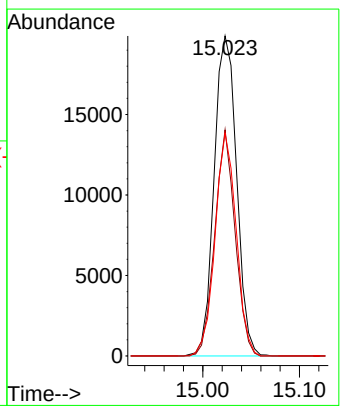
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

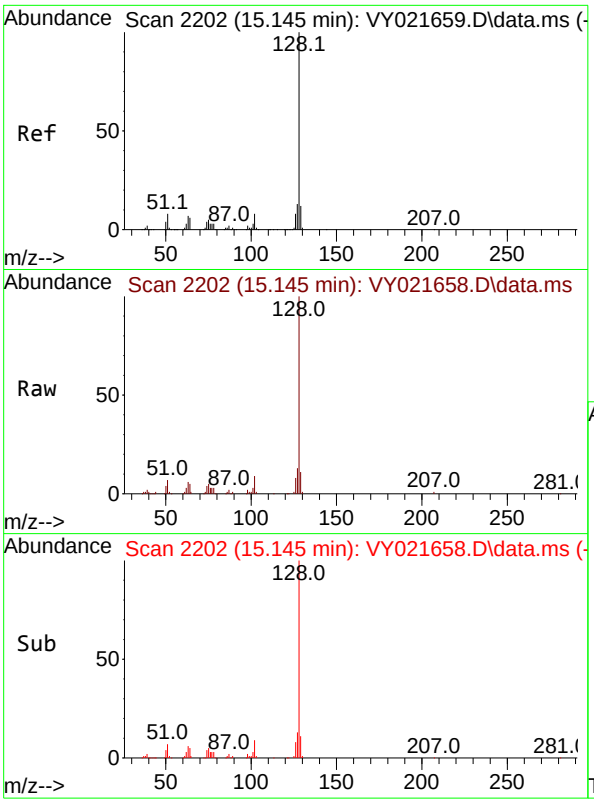


#94
Hexachlorobutadiene
Concen: 18.916 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:225 Resp: 32055

Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.7
227	65.5	32.4	97.0

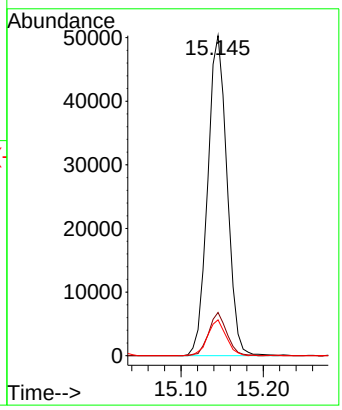




#95
Naphthalene
Concen: 18.305 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:128 Resp: 8232

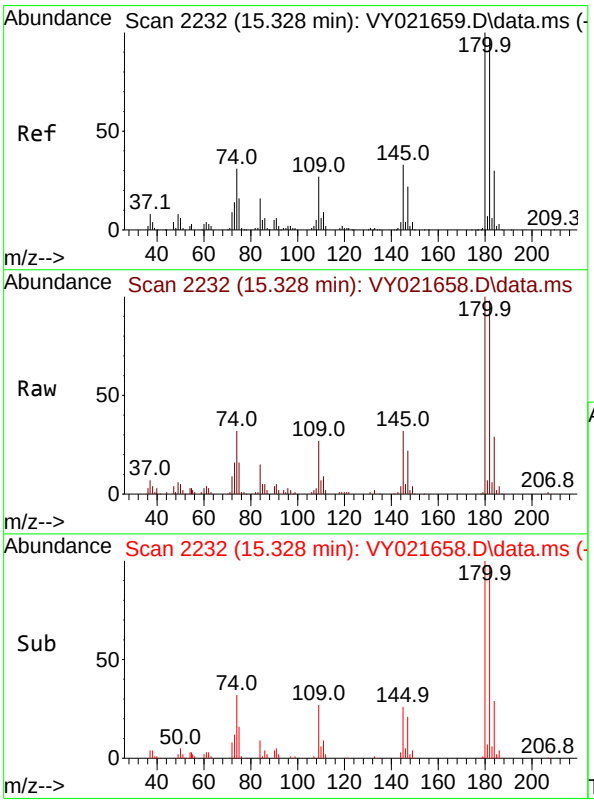
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.8	16.2
129	10.7	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

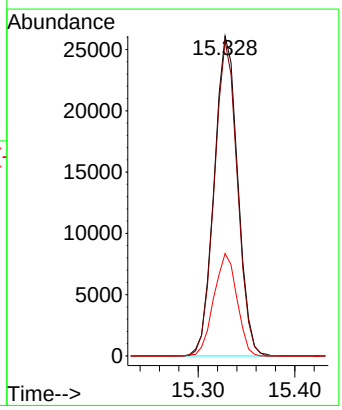
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.037 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021658.D
Acq: 27 Mar 2025 10:54

Tgt Ion:180 Resp: 44047

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.5
145	31.3	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	238234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	369963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	329626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	167924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130485	50.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.100%			
35) Dibromofluoromethane	7.634	113	125415	52.259	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.520%			
50) Toluene-d8	10.109	98	483058	52.909	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.820%			
62) 4-Bromofluorobenzene	12.407	95	162384	52.583	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	120589	48.836	ug/l	100
3) Chloromethane	2.068	50	164961	47.510	ug/l	100
4) Vinyl Chloride	2.202	62	190491	48.513	ug/l	100
5) Bromomethane	2.592	94	122288	45.662	ug/l	100
6) Chloroethane	2.732	64	122027	47.492	ug/l	100
7) Trichlorofluoromethane	3.055	101	241339	47.980	ug/l	100
8) Diethyl Ether	3.452	74	65605	47.960	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	127763	48.159	ug/l	100
10) Methyl Iodide	4.007	142	156113	53.639	ug/l	100
11) Tert butyl alcohol	4.860	59	40298	240.362	ug/l	100
12) 1,1-Dichloroethene	3.787	96	122422	48.991	ug/l	100
13) Acrolein	3.647	56	75366	246.189	ug/l	100
14) Allyl chloride	4.385	41	199515	50.077	ug/l	100
15) Acrylonitrile	5.061	53	144175	252.430	ug/l	100
16) Acetone	3.872	43	127702	241.737	ug/l	100
17) Carbon Disulfide	4.104	76	404128	49.101	ug/l	100
18) Methyl Acetate	4.385	43	63249	48.309	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	315679	50.742	ug/l	100
20) Methylene Chloride	4.616	84	134344	52.136	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	135112	49.108	ug/l	100
22) Diisopropyl ether	6.018	45	428881	51.315	ug/l	100
23) Vinyl Acetate	5.957	43	1269853	259.718	ug/l	100
24) 1,1-Dichloroethane	5.915	63	247826	49.589	ug/l	100
25) 2-Butanone	6.896	43	189416	251.037	ug/l	100
26) 2,2-Dichloropropane	6.884	77	219131	49.293	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	155365	50.214	ug/l	100
28) Bromochloromethane	7.244	49	101413	48.116	ug/l	100
29) Tetrahydrofuran	7.262	42	125387	258.206	ug/l	100
30) Chloroform	7.421	83	257511	49.541	ug/l	100
31) Cyclohexane	7.701	56	218689	48.004	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	230441	49.051	ug/l	100
36) 1,1-Dichloropropene	7.835	75	185559	50.763	ug/l	100
37) Ethyl Acetate	6.988	43	87321	50.617	ug/l	100
38) Carbon Tetrachloride	7.823	117	208537	49.810	ug/l	100
39) Methylcyclohexane	9.109	83	229134	52.472	ug/l	100
40) Benzene	8.079	78	554462	50.649	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	50658m	55.298	ug/l	
42) 1,2-Dichloroethane	8.158	62	155365	50.343	ug/l	100
43) Isopropyl Acetate	8.195	43	166982	51.076	ug/l	100
44) Trichloroethene	8.865	130	138449	49.637	ug/l	100
45) 1,2-Dichloropropane	9.140	63	130586	50.395	ug/l	100
46) Dibromomethane	9.231	93	73435	49.174	ug/l	100
47) Bromodichloromethane	9.420	83	194399	50.237	ug/l	100
48) Methyl methacrylate	9.219	41	77877	51.902	ug/l	100
49) 1,4-Dioxane	9.225	88	16481	1030.192	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	445564	261.893	ug/l	100
52) Toluene	10.170	92	351715	51.496	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	179747	52.296	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	209143	51.579	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	96578	50.254	ug/l	100
56) Ethyl methacrylate	10.438	69	135272	55.124	ug/l	100
57) 1,3-Dichloropropane	10.719	76	170109	51.252	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	332369	277.643	ug/l	100
59) 2-Hexanone	10.761	43	302538	267.012	ug/l	100
60) Dibromochloromethane	10.908	129	134696	51.334	ug/l	100
61) 1,2-Dibromoethane	11.017	107	93866	52.067	ug/l	100
64) Tetrachloroethene	10.646	164	147971	49.288	ug/l	100
65) Chlorobenzene	11.444	112	380661	50.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	135660	50.602	ug/l	100
67) Ethyl Benzene	11.517	91	676205	52.188	ug/l	100
68) m/p-Xylenes	11.627	106	519154	104.634	ug/l	100
69) o-Xylene	11.956	106	243359	53.135	ug/l	100
70) Styrene	11.969	104	406215	53.195	ug/l	100
71) Bromoform	12.133	173	78206	51.140	ug/l	100
73) Isopropylbenzene	12.255	105	642393	51.505	ug/l	100
74) N-amyl acetate	12.072	43	154054	52.630	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	110292	49.185	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	83656m	50.257	ug/l	
77) Bromobenzene	12.529	156	149323	49.864	ug/l	100
78) n-propylbenzene	12.596	91	775252	51.702	ug/l	100
79) 2-Chlorotoluene	12.682	91	444178	51.001	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	528425	51.839	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	37240	51.550	ug/l	100
82) 4-Chlorotoluene	12.779	91	463024	50.995	ug/l	100
83) tert-Butylbenzene	12.999	119	467961	51.541	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	526387	52.248	ug/l	100
85) sec-Butylbenzene	13.176	105	687573	51.820	ug/l	100
86) p-Isopropyltoluene	13.291	119	576012	52.525	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	293534	49.752	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	292315	50.147	ug/l	100
89) n-Butylbenzene	13.615	91	532897	52.544	ug/l	100
90) Hexachloroethane	13.877	117	118708	49.396	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	255877	49.821	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17123	49.268	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	147434	52.935	ug/l	100
94) Hexachlorobutadiene	15.023	225	88090	50.642	ug/l	100
95) Naphthalene	15.145	128	253209	54.848	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	125294	52.754	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

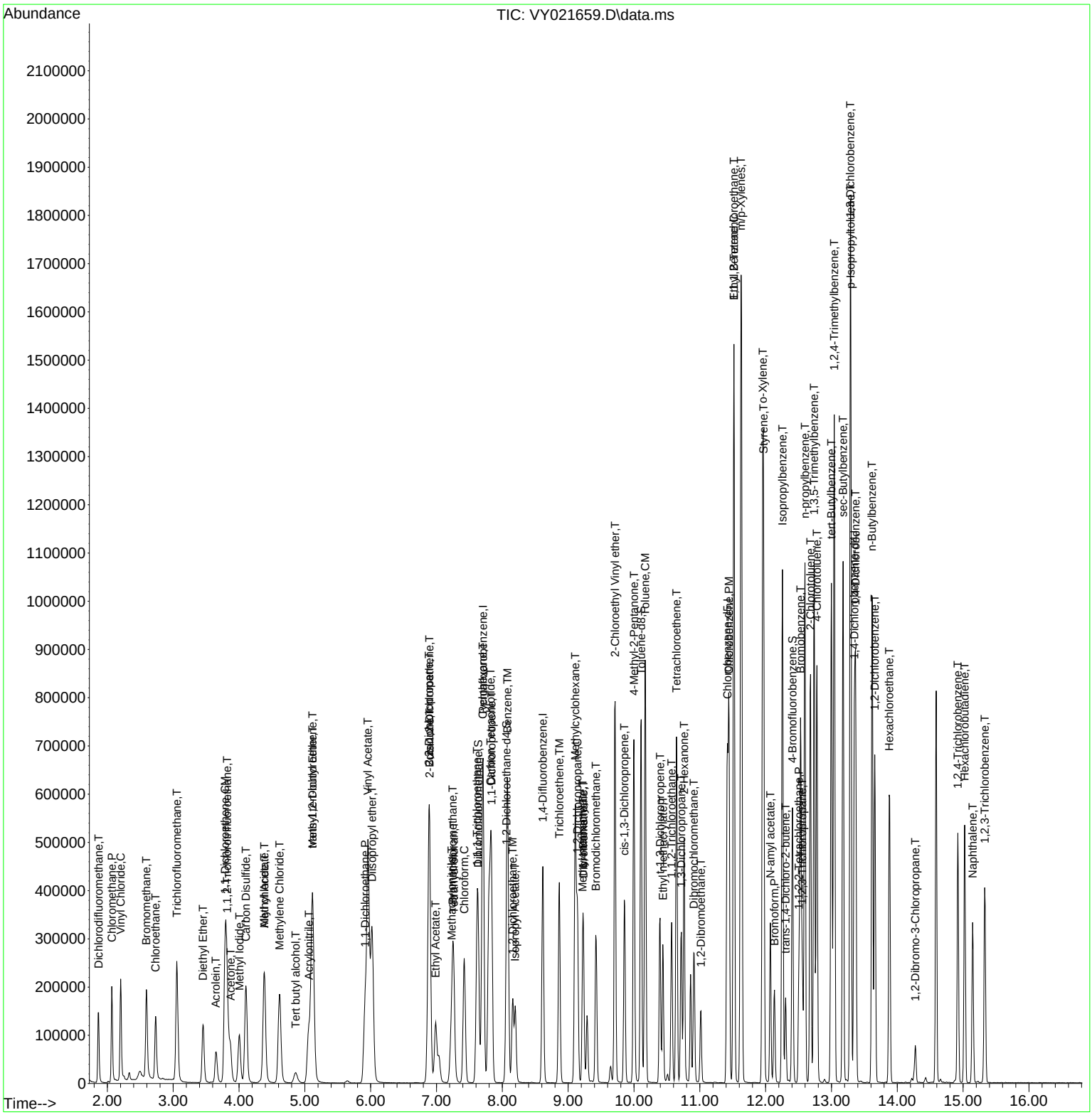
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021659.D
Acq On : 27 Mar 2025 11:16
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

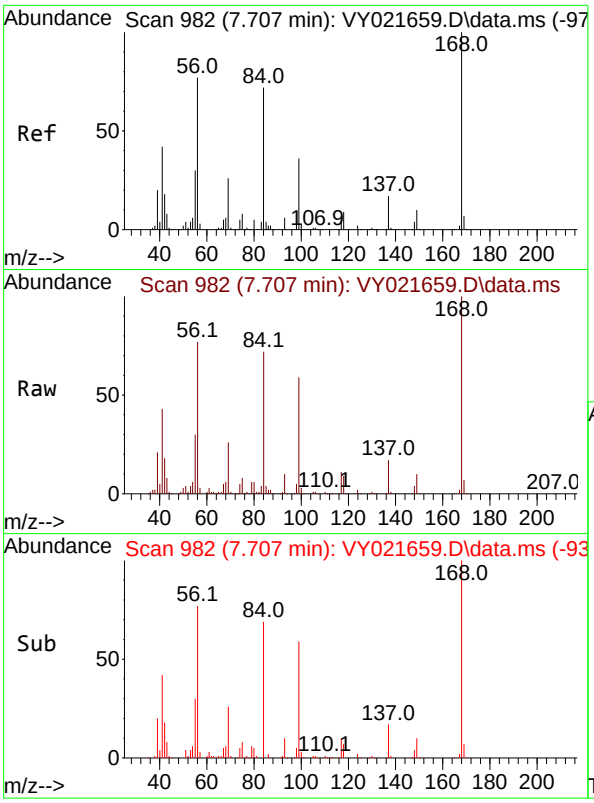
Quant Time: Mar 28 02:16:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

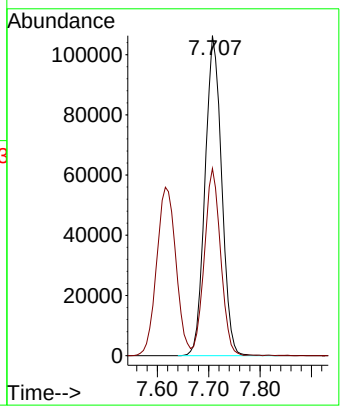




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:168 Resp: 23823

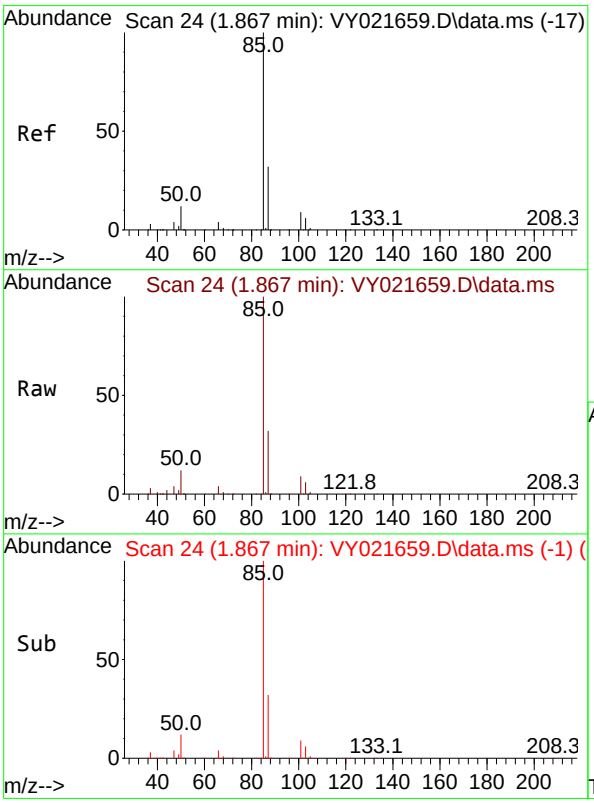
Ion	Ratio	Lower	Upper
168	100		
99	58.4	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

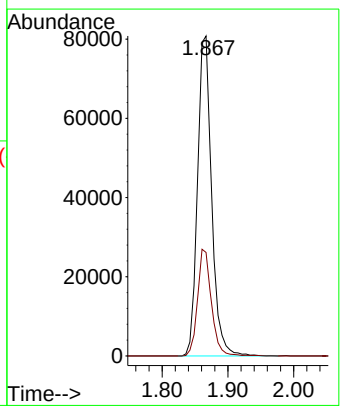
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

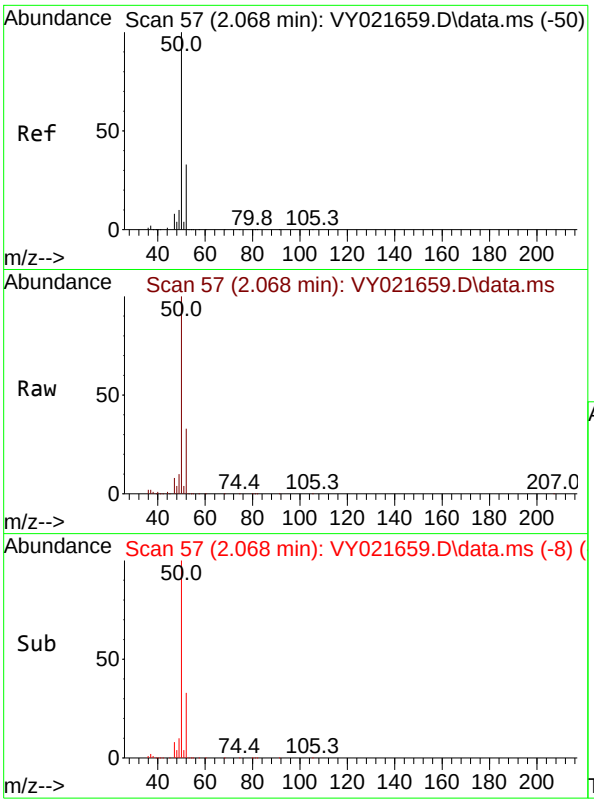


#2
Dichlorodifluoromethane
Concen: 48.836 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 85 Resp: 120589

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.6

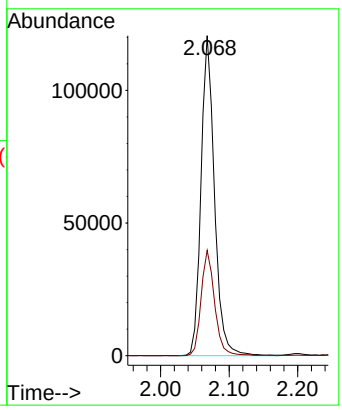




#3
Chloromethane
Concen: 47.510 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 50 Resp: 16496

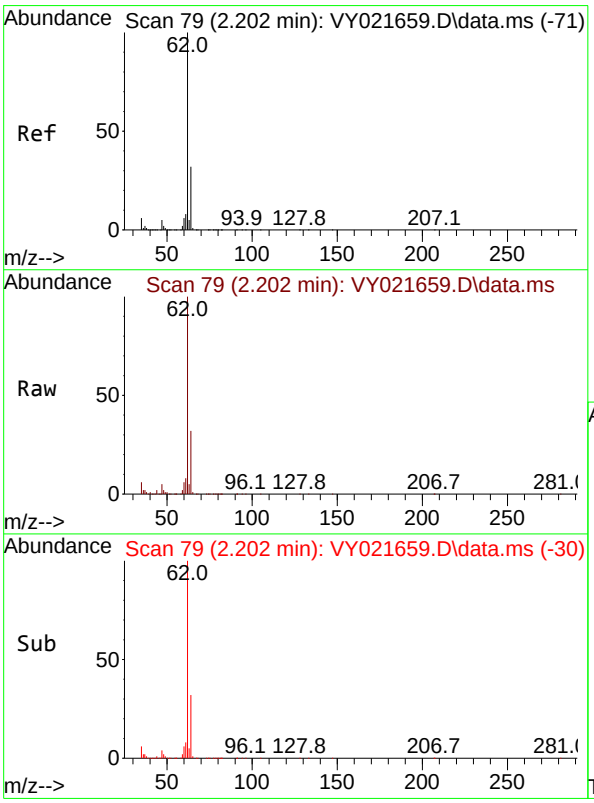
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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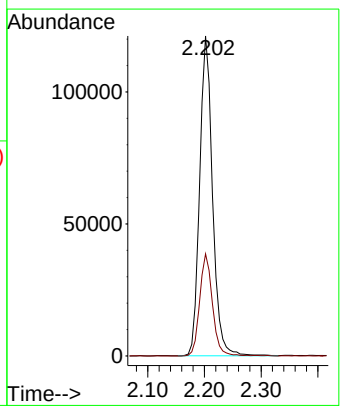
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

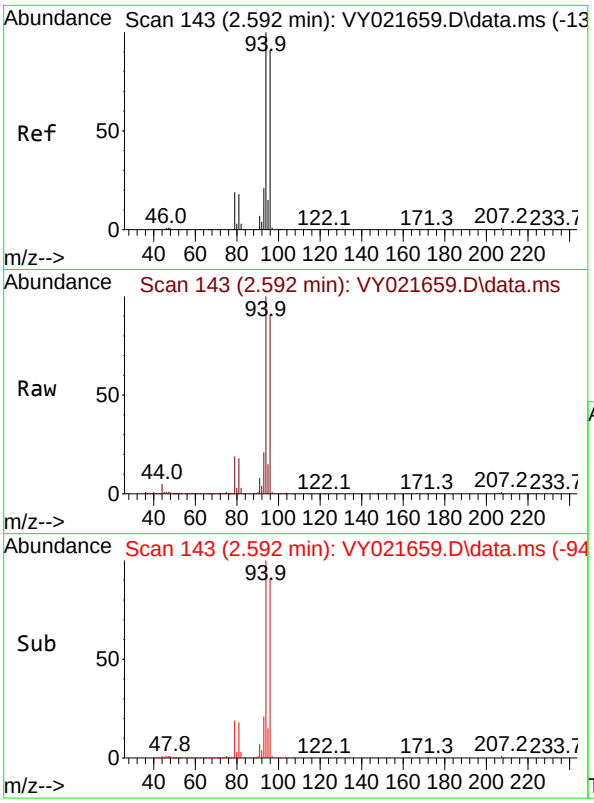


#4
Vinyl Chloride
Concen: 48.513 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 62 Resp: 190491

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3

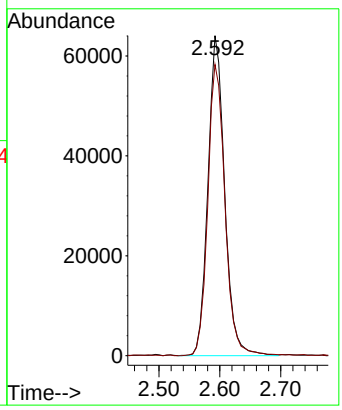




#5
Bromomethane
Concen: 45.662 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 94 Resp: 12228

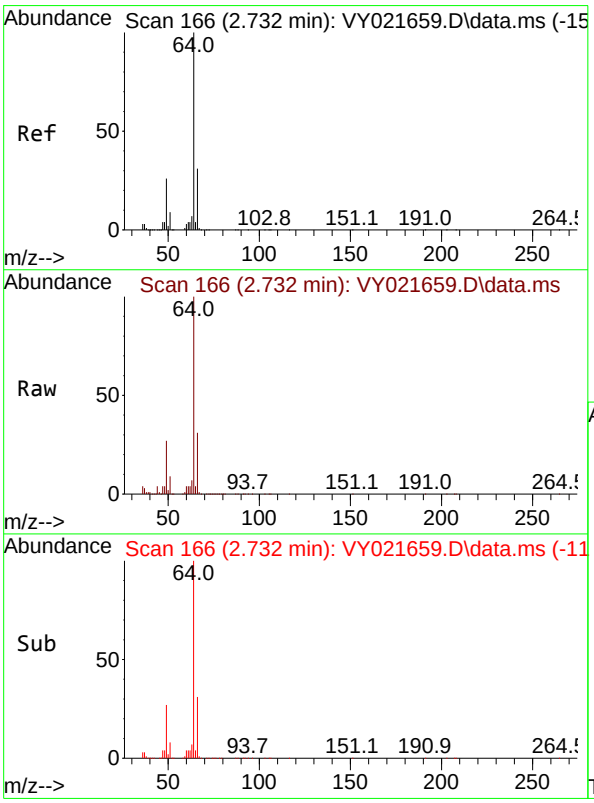
Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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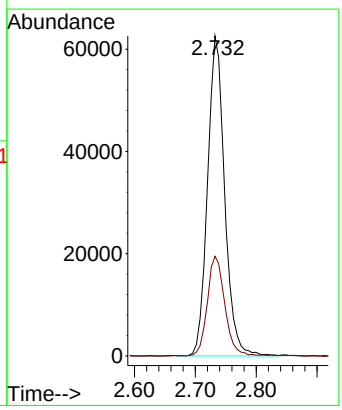
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

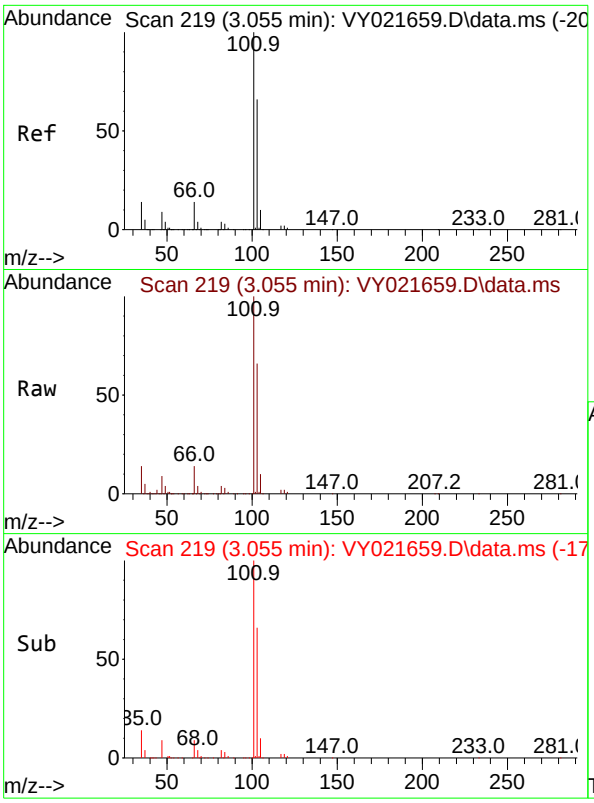


#6
Chloroethane
Concen: 47.492 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 64 Resp: 122027

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.9	37.3

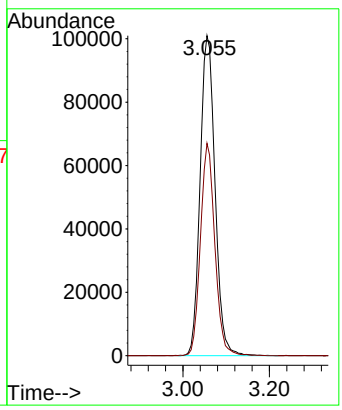




#7
Trichlorofluoromethane
Concen: 47.980 ug/l
RT: 3.055 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:101 Resp: 24133

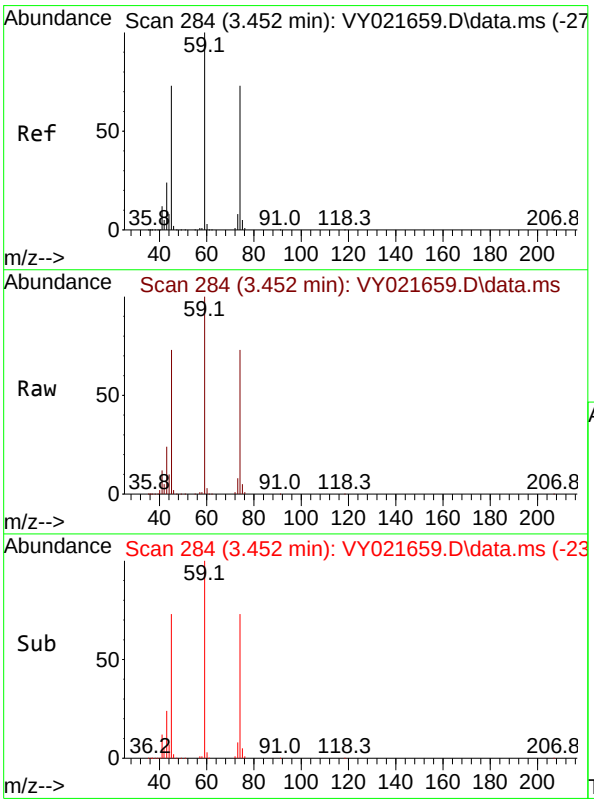
Ion	Ratio	Lower	Upper
101	100		
103	66.4	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

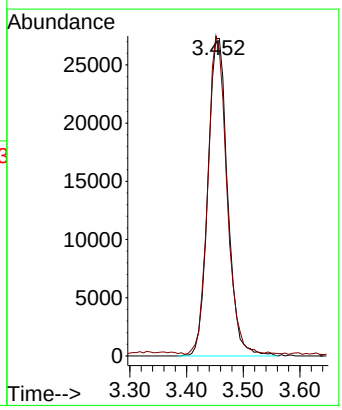
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

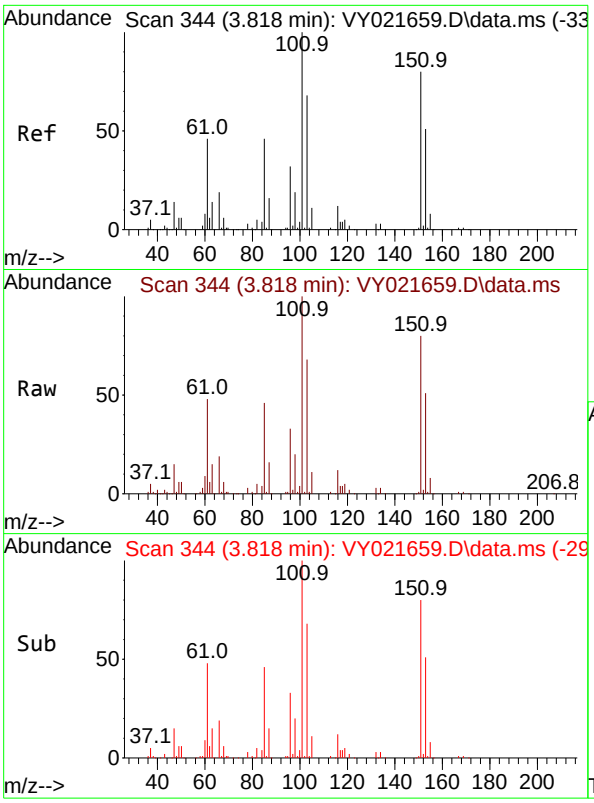


#8
Diethyl Ether
Concen: 47.960 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 74 Resp: 65605

Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.6	145.8

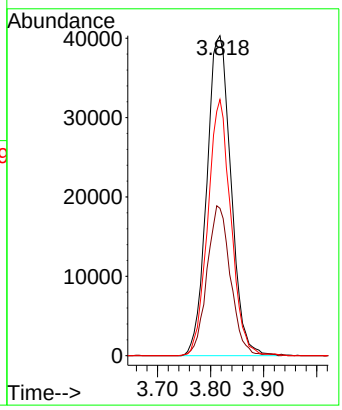




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.159 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:101 Resp: 12776

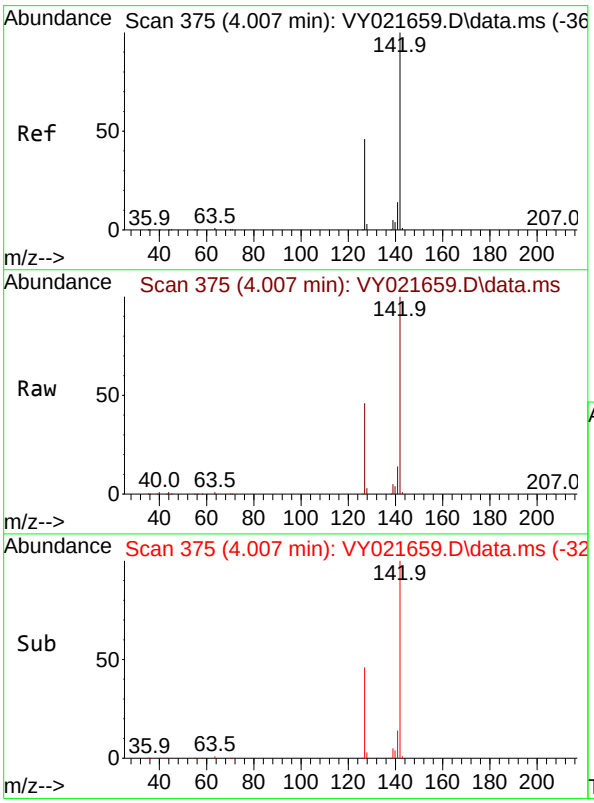
Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.3	54.5
151	76.6	61.3	91.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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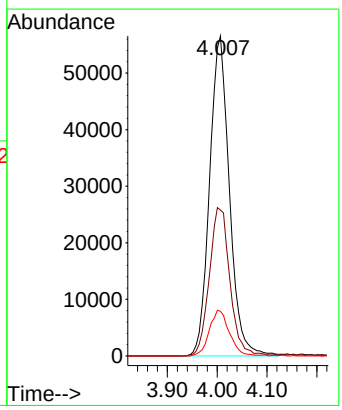
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

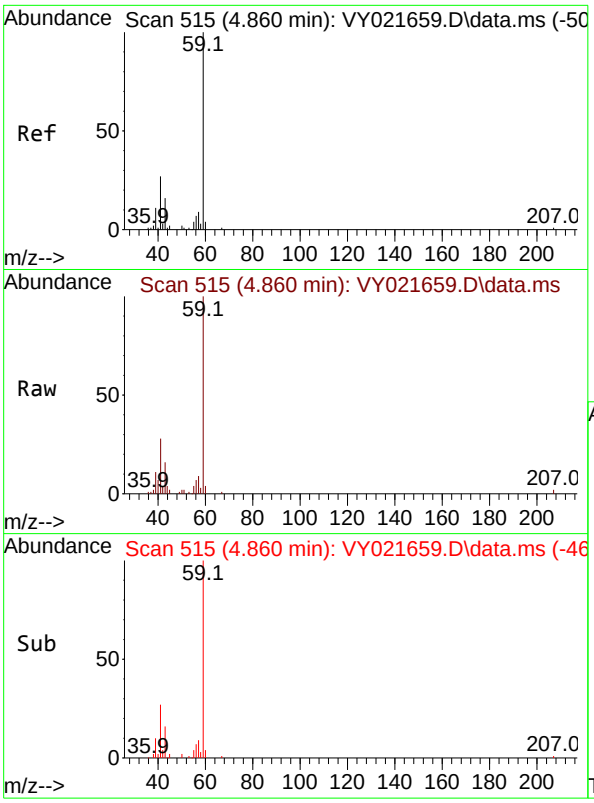


#10
Methyl Iodide
Concen: 53.639 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:142 Resp: 156113

Ion	Ratio	Lower	Upper
142	100		
127	48.4	38.7	58.1
141	14.4	11.5	17.3

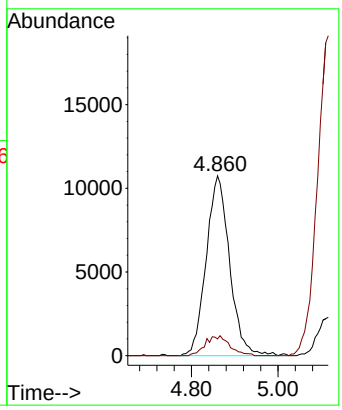




#11
Tert butyl alcohol
Concen: 240.362 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 59 Resp: 4029

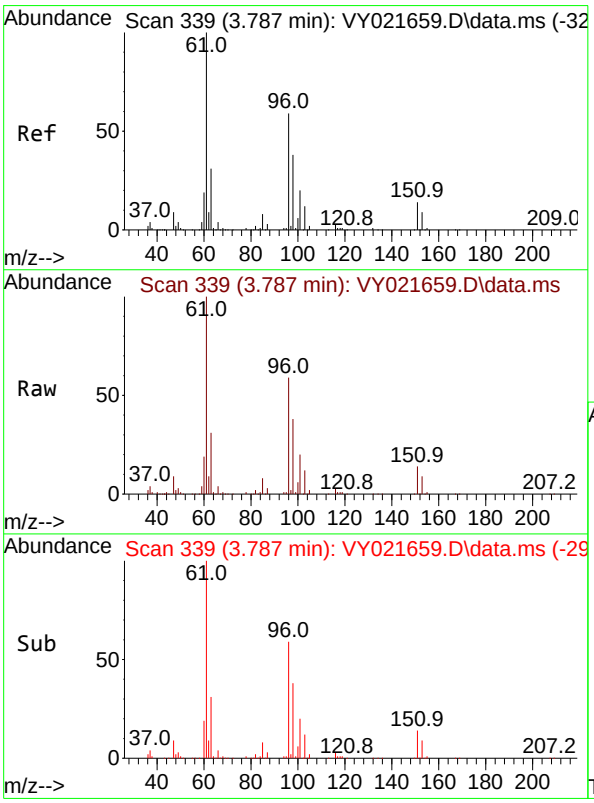
Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

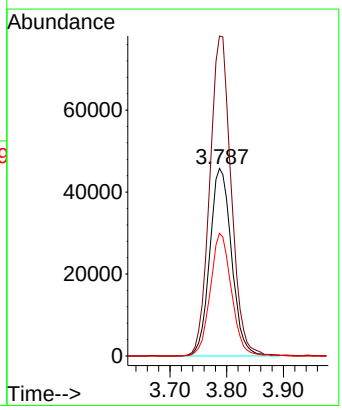
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

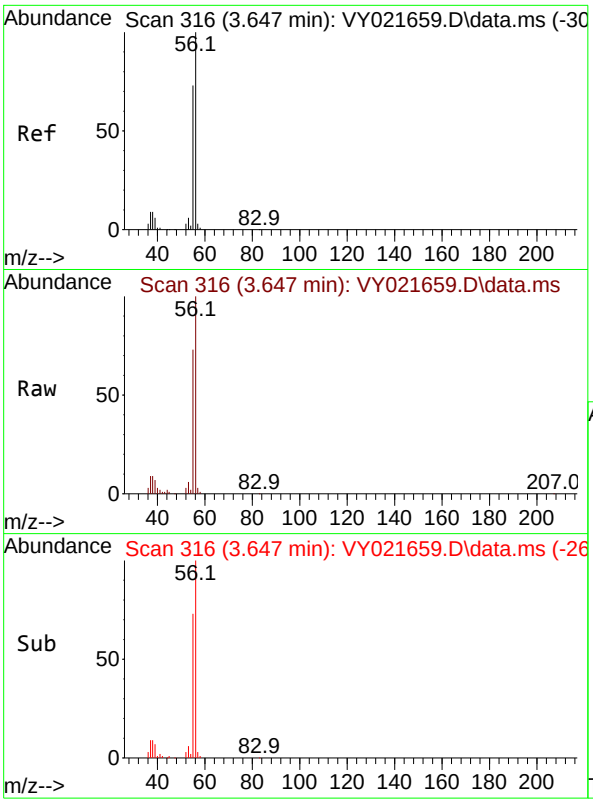


#12
1,1-Dichloroethene
Concen: 48.991 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 96 Resp: 122422

Ion	Ratio	Lower	Upper
96	100		
61	170.7	136.6	204.8
98	65.4	52.3	78.5

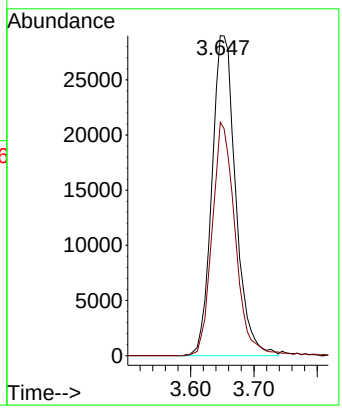




#13
Acrolein
Concen: 246.189 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 56 Resp: 7536

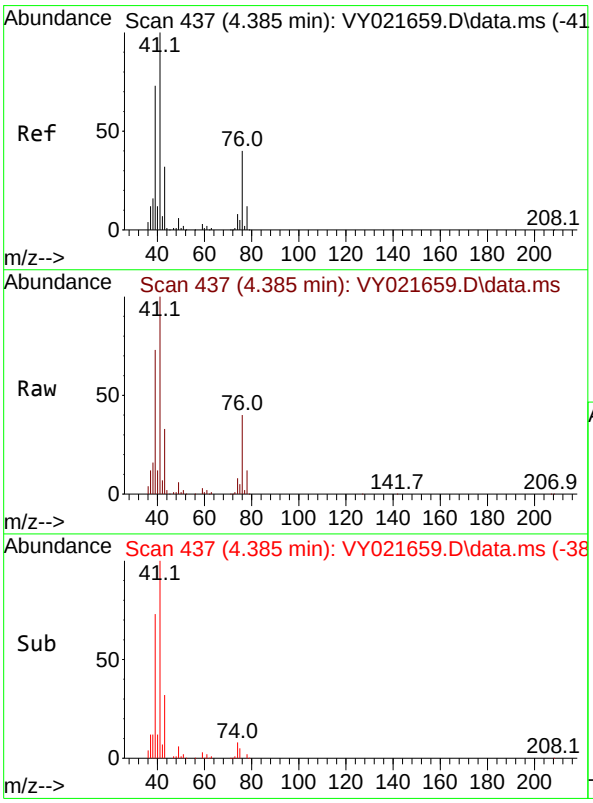
Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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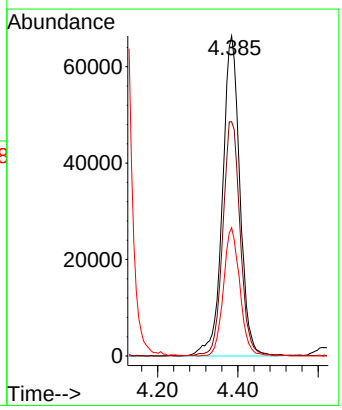
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

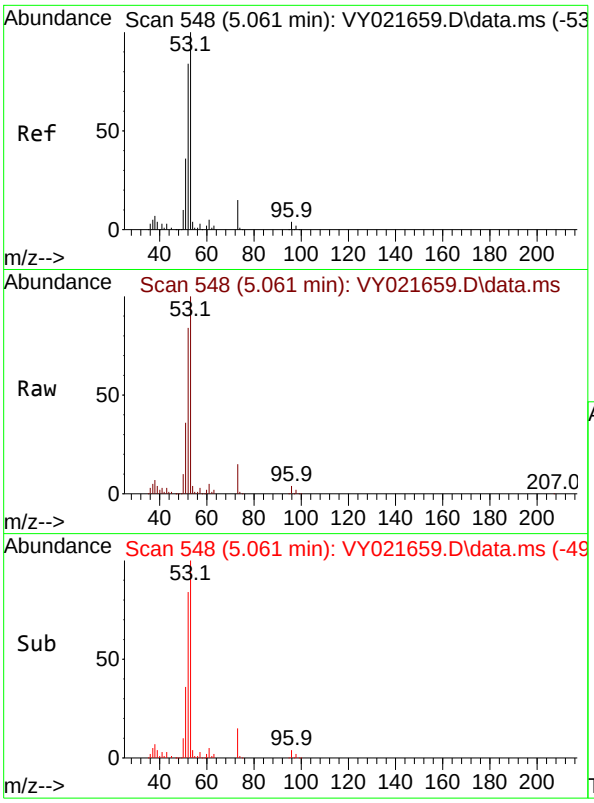


#14
Allyl chloride
Concen: 50.077 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 41 Resp: 199515

Ion	Ratio	Lower	Upper
41	100		
39	73.3	58.6	88.0
76	37.9	30.3	45.5

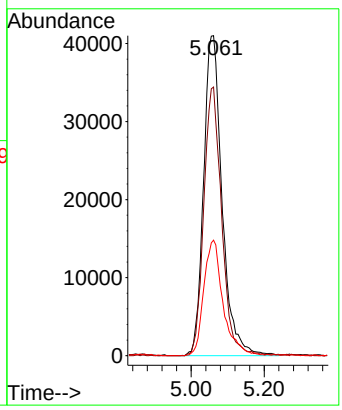




#15
Acrylonitrile
Concen: 252.430 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 53 Resp: 14417

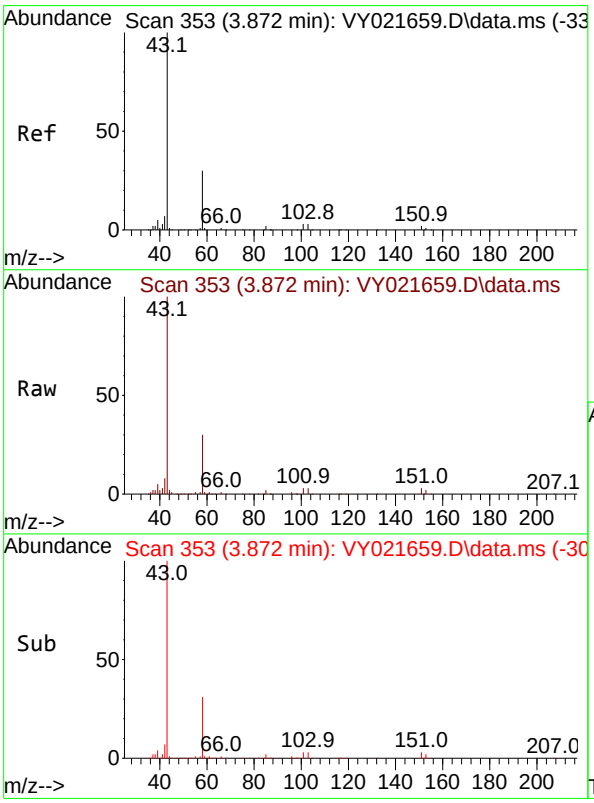
Ion	Ratio	Lower	Upper
53	100		
52	81.1	64.9	97.3
51	37.7	30.2	45.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

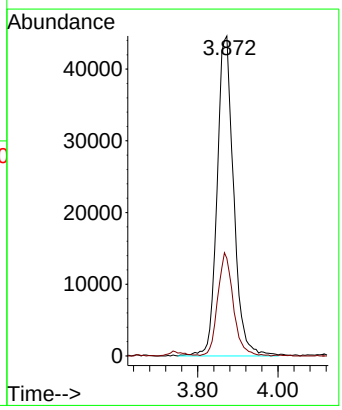
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

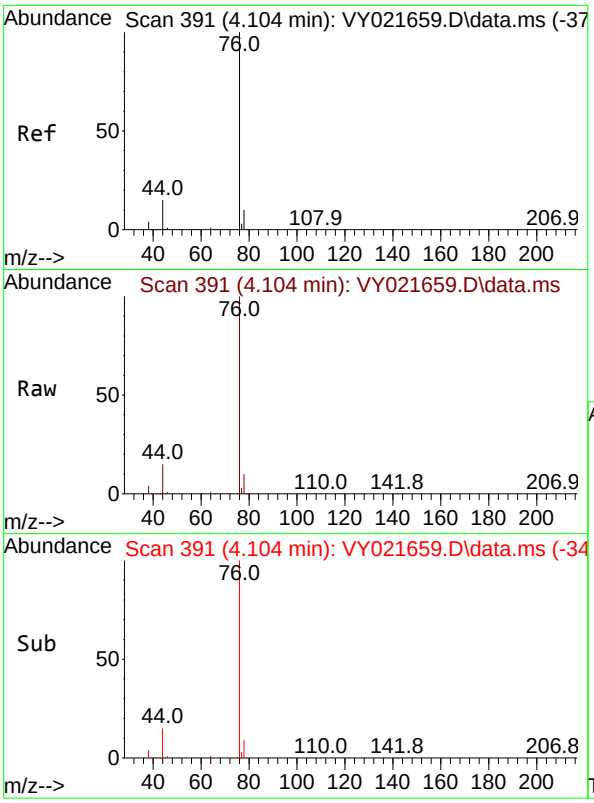


#16
Acetone
Concen: 241.737 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 127702

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4





#17
Carbon Disulfide
Concen: 49.101 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

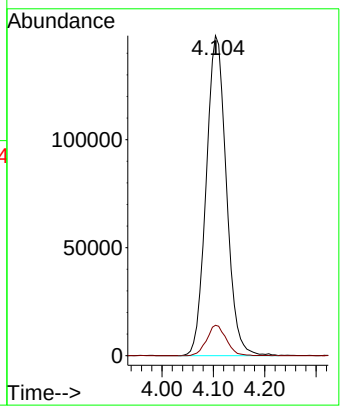
Tgt Ion: 76 Resp: 40412

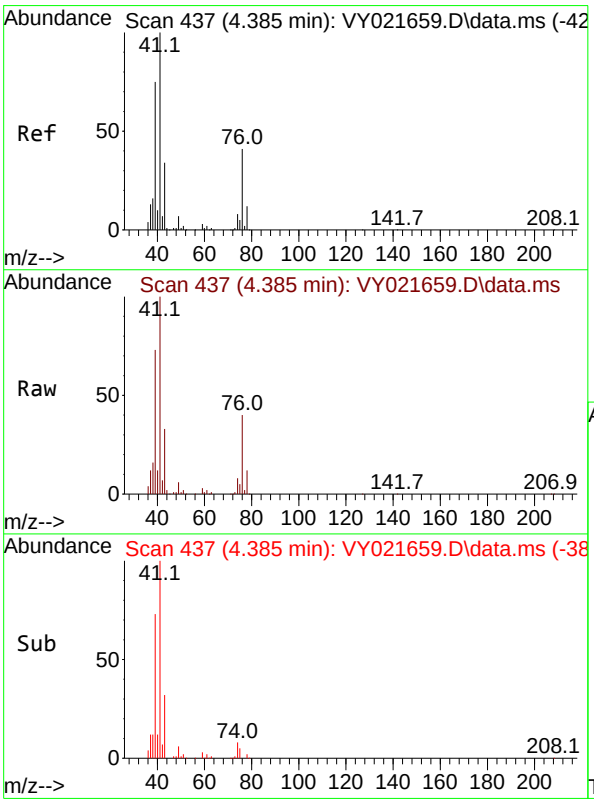
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

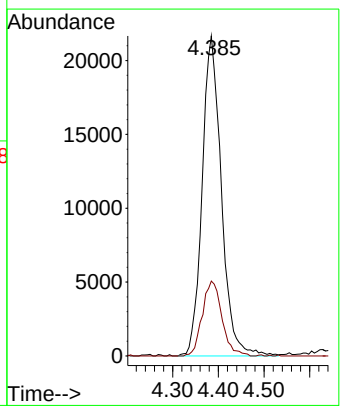


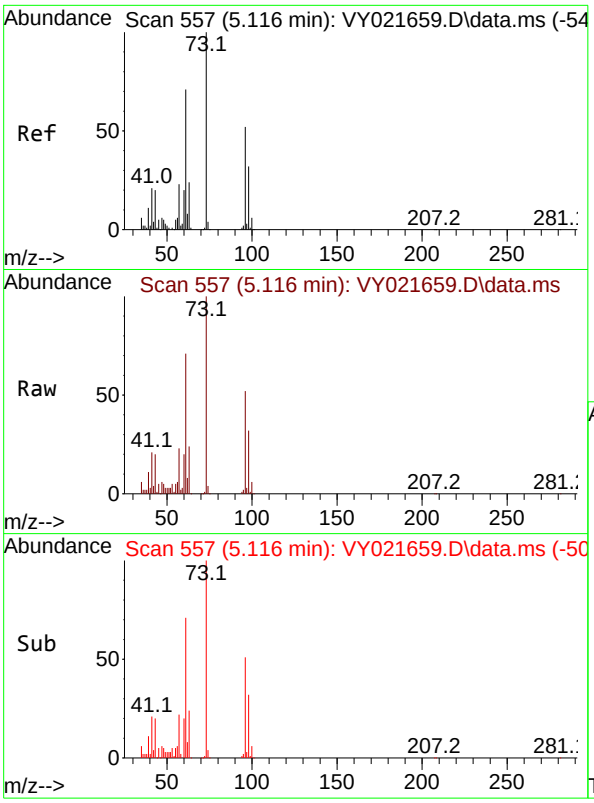


#18
Methyl Acetate
Concen: 48.309 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 63249

Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.1	28.7

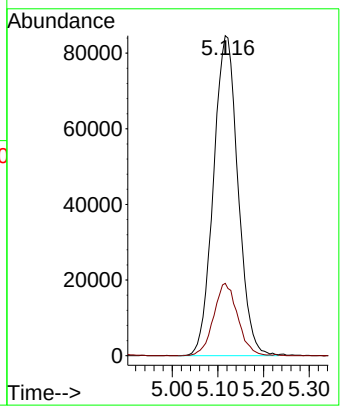




#19
Methyl tert-butyl Ether
Concen: 50.742 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 73 Resp: 31567

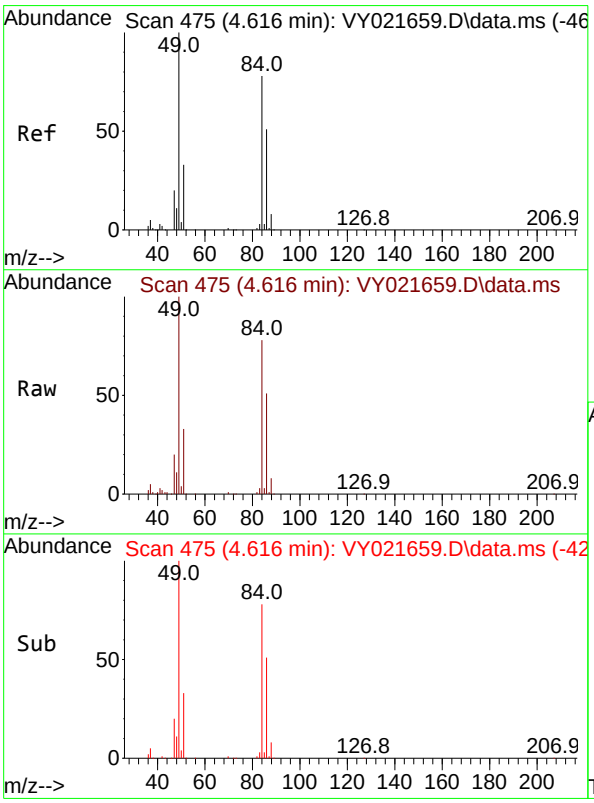
Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

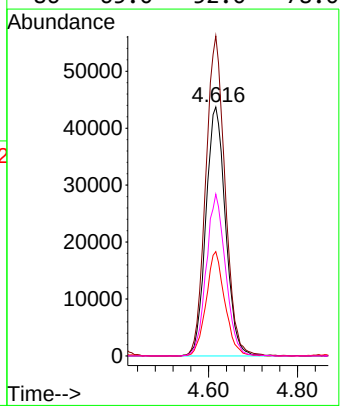
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

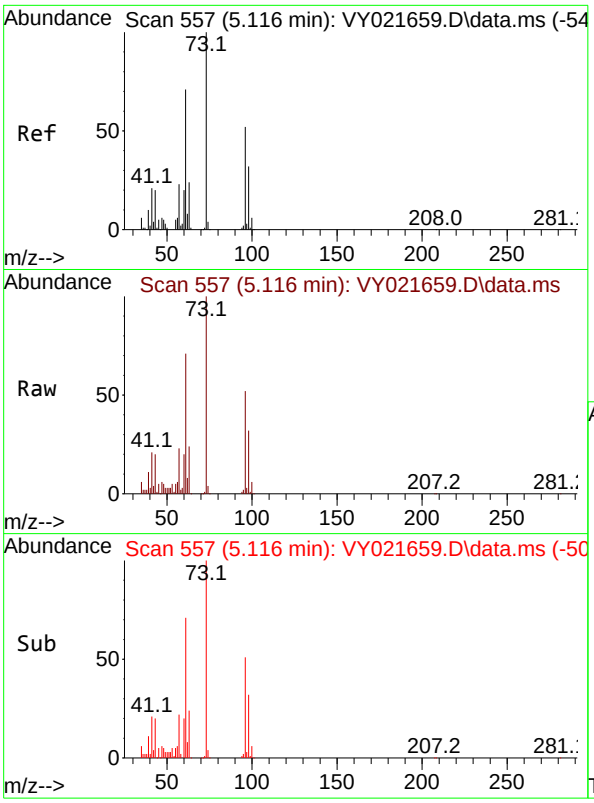


#20
Methylene Chloride
Concen: 52.136 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 84 Resp: 134344

Ion	Ratio	Lower	Upper
84	100		
49	128.5	102.8	154.2
51	41.9	33.5	50.3
86	65.0	52.0	78.0

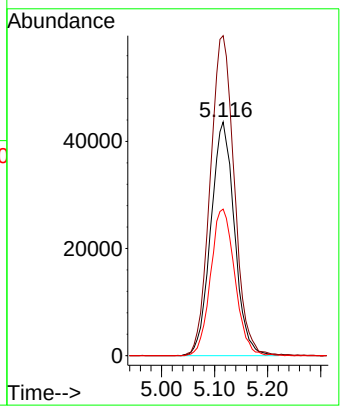




#21
trans-1,2-Dichloroethene
Concen: 49.108 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 96 Resp: 13511

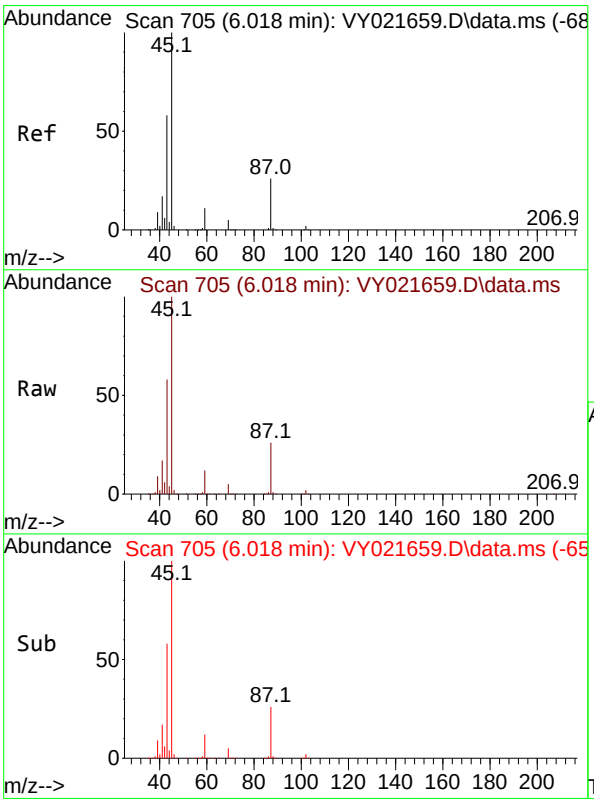
Ion	Ratio	Lower	Upper
96	100		
61	136.7	109.4	164.0
98	62.7	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

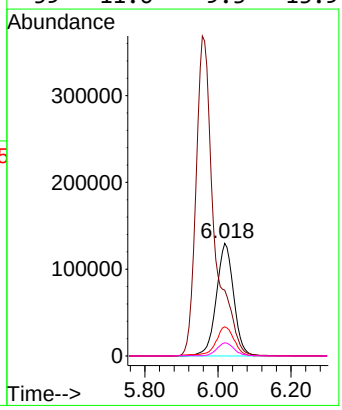
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

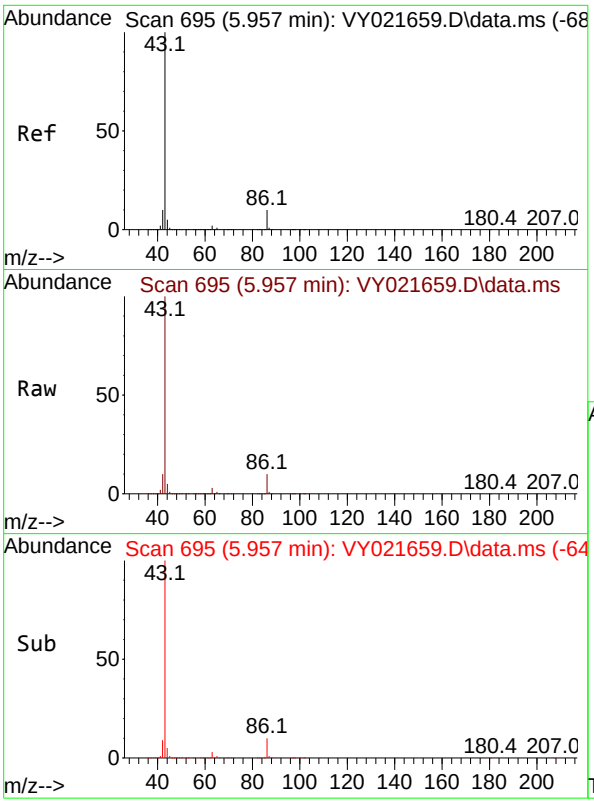


#22
Diisopropyl ether
Concen: 51.315 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 45 Resp: 428881

Ion	Ratio	Lower	Upper
45	100		
43	58.2	46.6	69.8
87	25.9	20.7	31.1
59	11.6	9.3	13.9

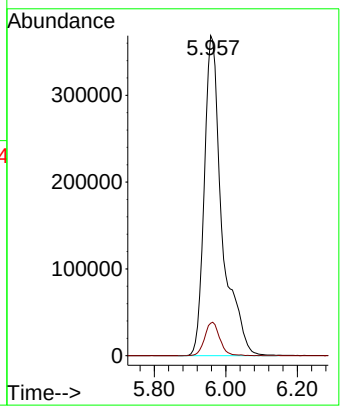




#23
Vinyl Acetate
Concen: 259.718 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 126985

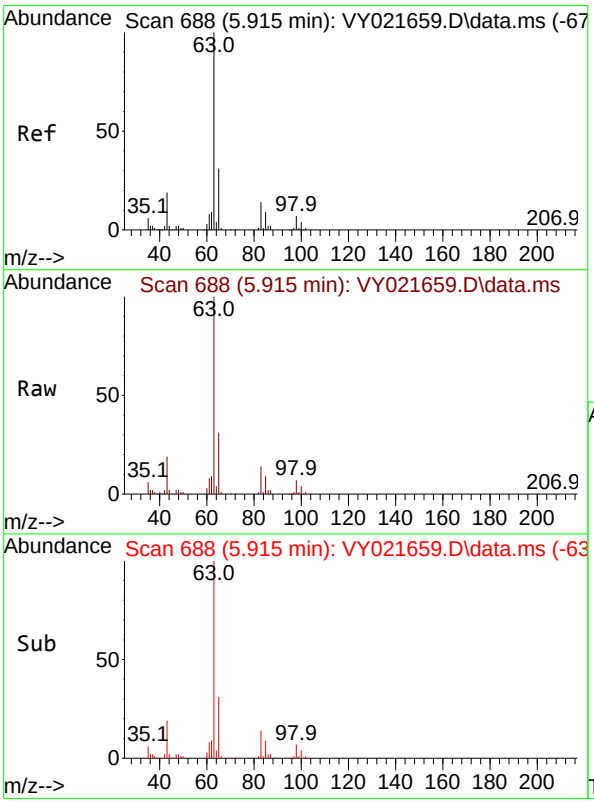
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

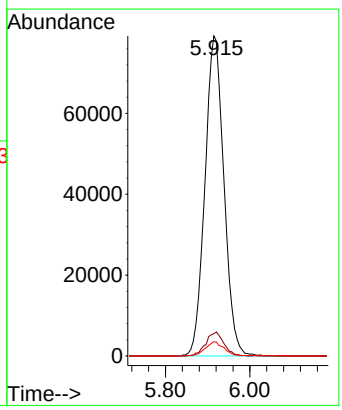
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

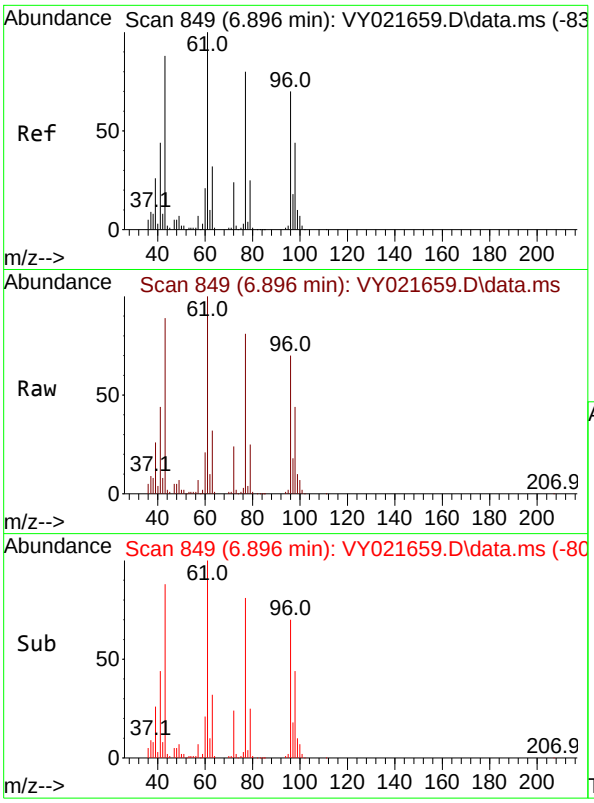


#24
1,1-Dichloroethane
Concen: 49.589 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 63 Resp: 247826

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	4.4	2.2	6.6

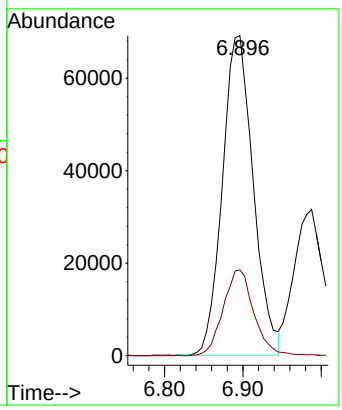




#25
2-Butanone
Concen: 251.037 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 18941

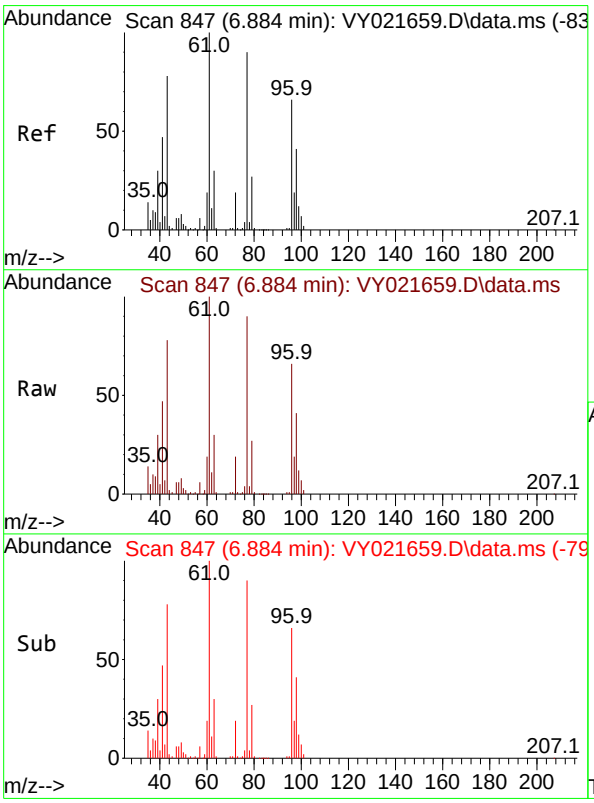
Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

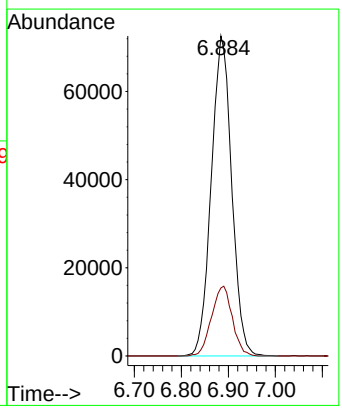
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

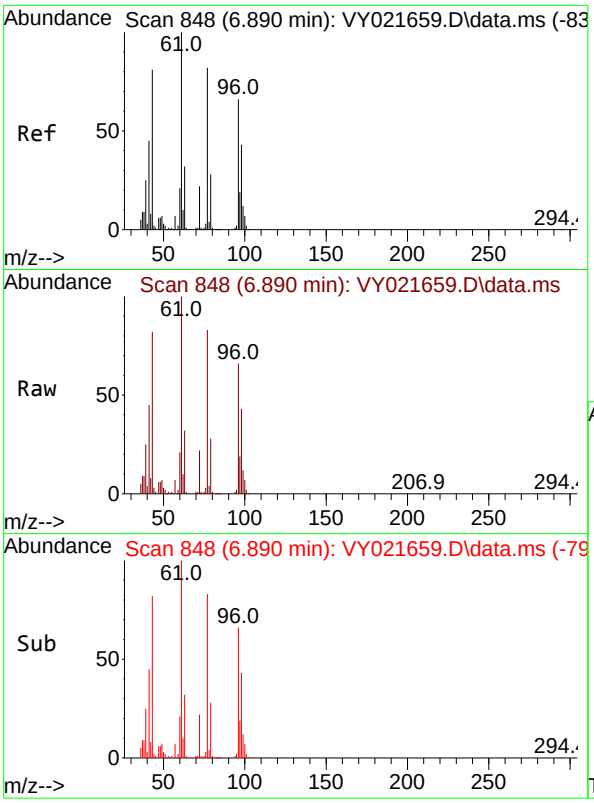


#26
2,2-Dichloropropane
Concen: 49.293 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 77 Resp: 219131

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 50.214 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

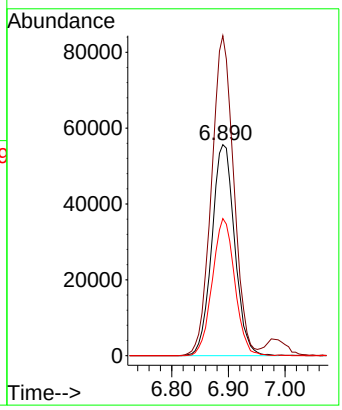
Tgt Ion: 96 Resp: 15536

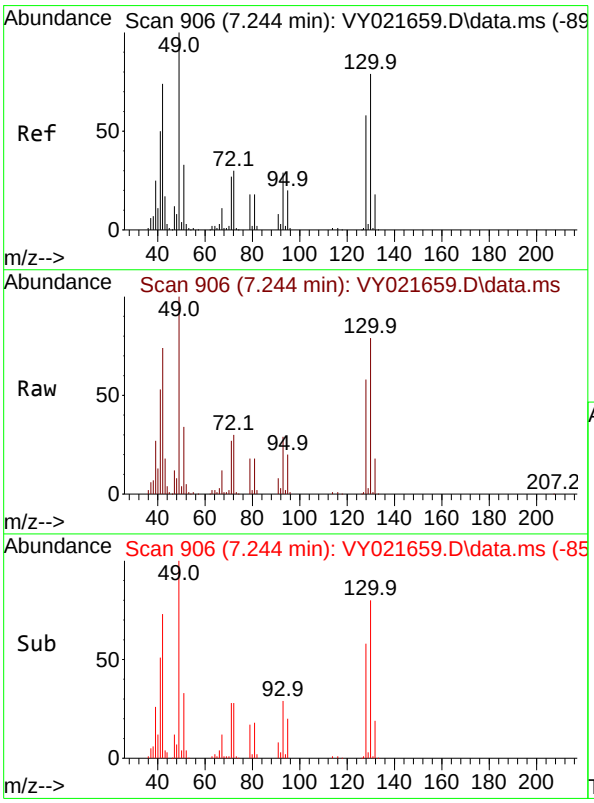
Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	296.4
98	64.0	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

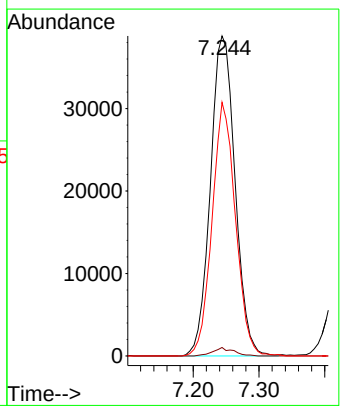


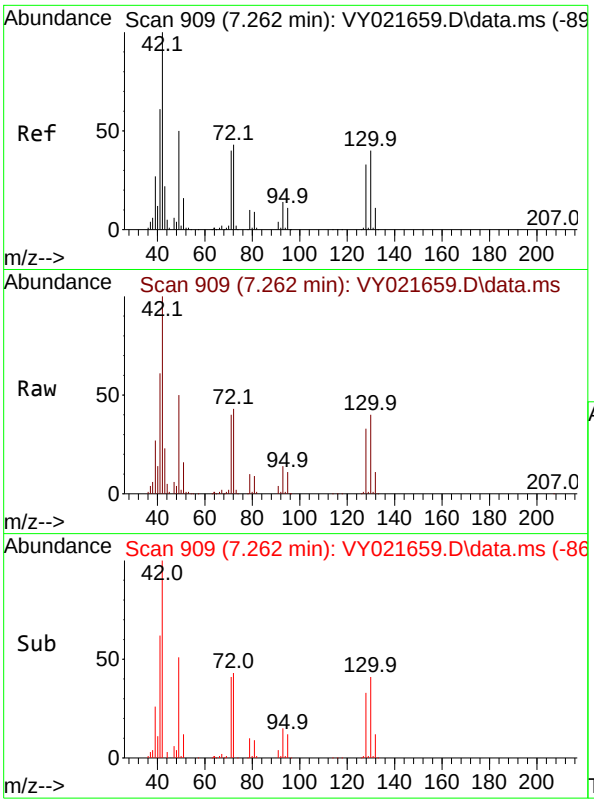


#28
Bromochloromethane
Concen: 48.116 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 49 Resp: 101413

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	75.1	60.1	90.1

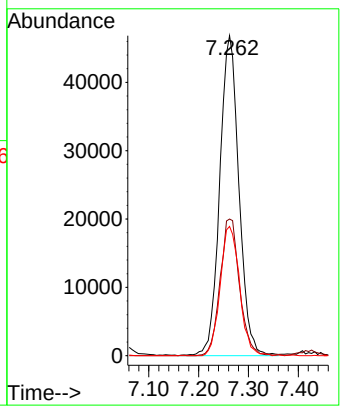




#29
Tetrahydrofuran
Concen: 258.206 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 42 Resp: 12538

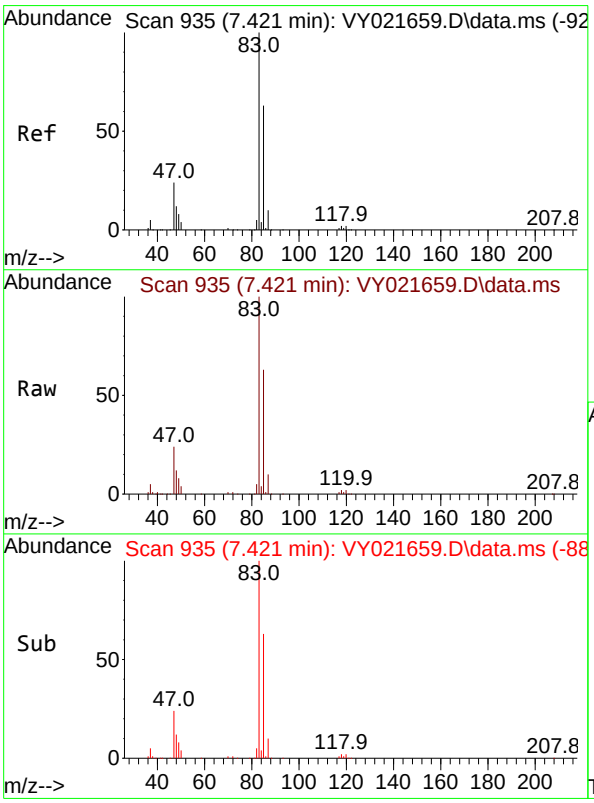
Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	40.6	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

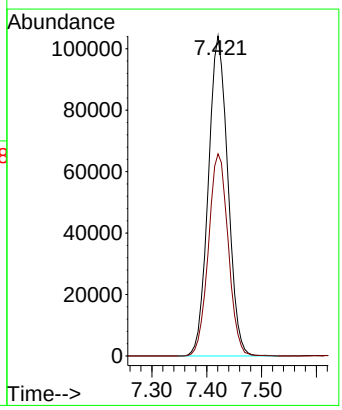
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

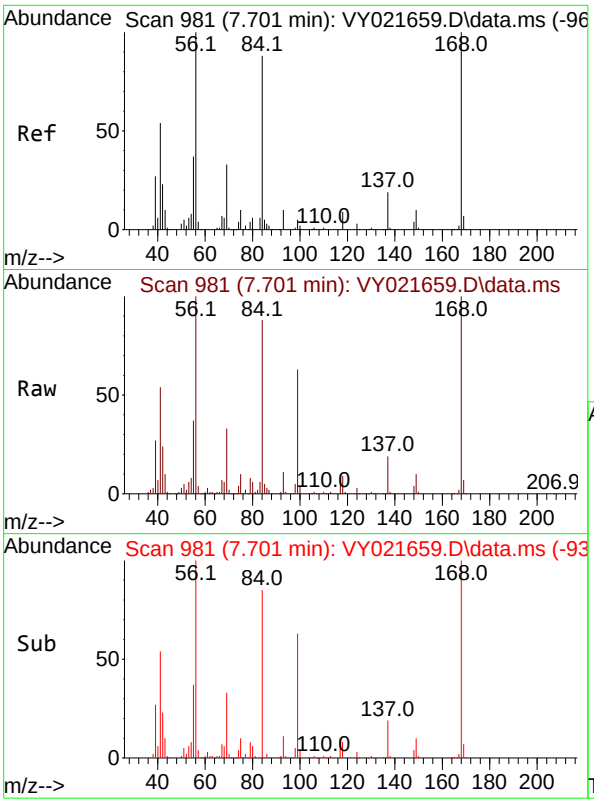


#30
Chloroform
Concen: 49.541 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 83 Resp: 257511

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8

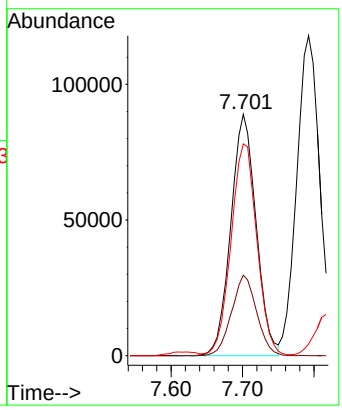




#31
Cyclohexane
Concen: 48.004 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 56 Resp: 21868

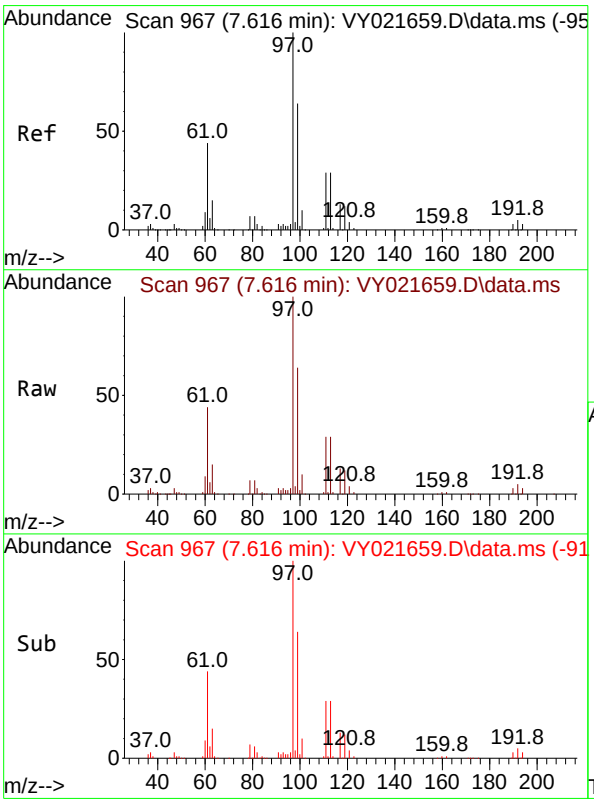
Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	86.2	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

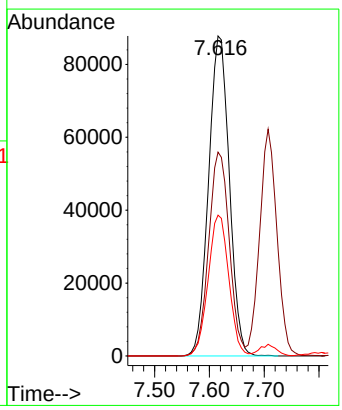
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

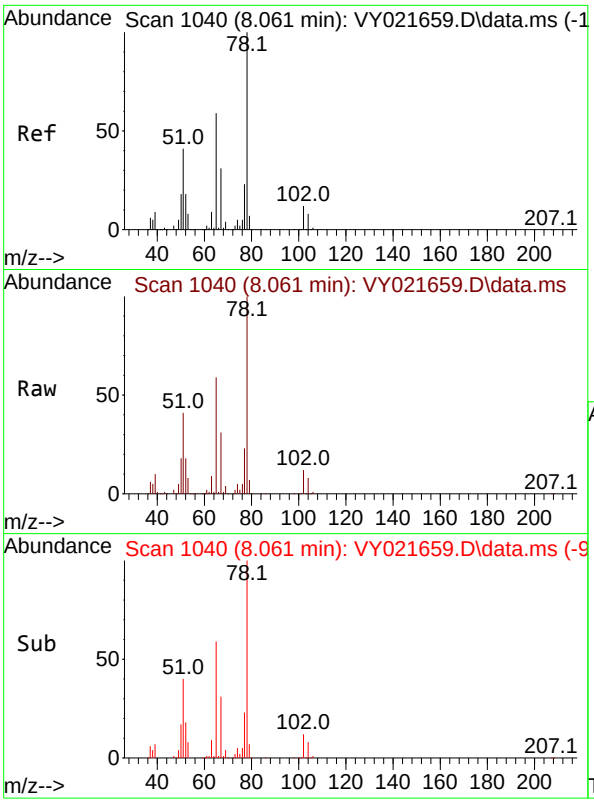


#32
1,1,1-Trichloroethane
Concen: 49.051 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 97 Resp: 230441

Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.7	76.1
61	44.0	35.2	52.8

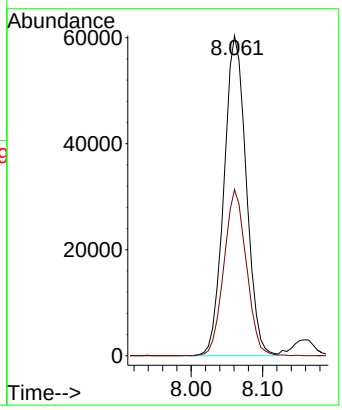




#33
1,2-Dichloroethane-d4
Concen: 50.552 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 65 Resp: 13048

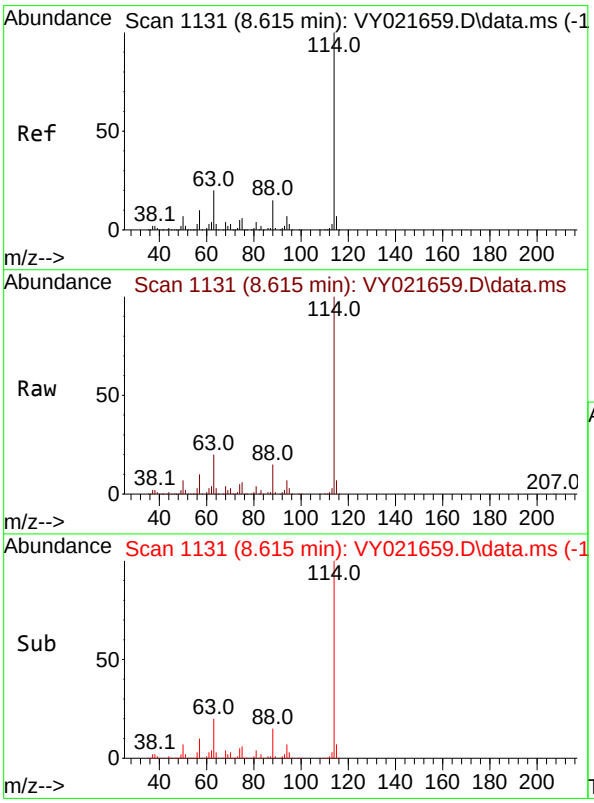
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

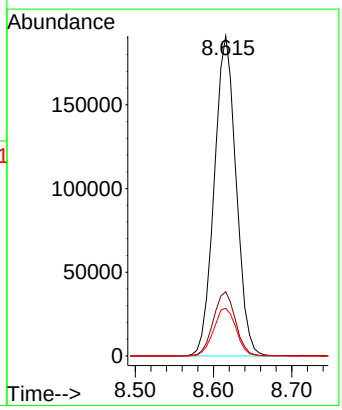
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

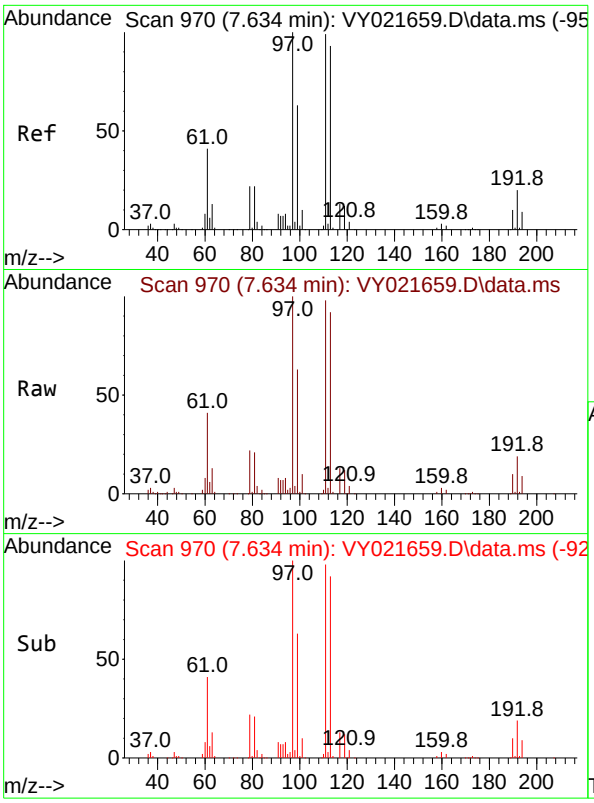


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:114 Resp: 369963

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	14.9	0.0	29.8

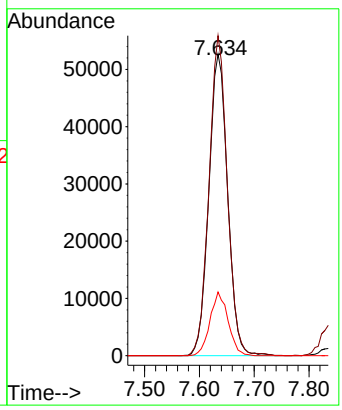




#35
Dibromofluoromethane
Concen: 52.259 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:113 Resp: 12541

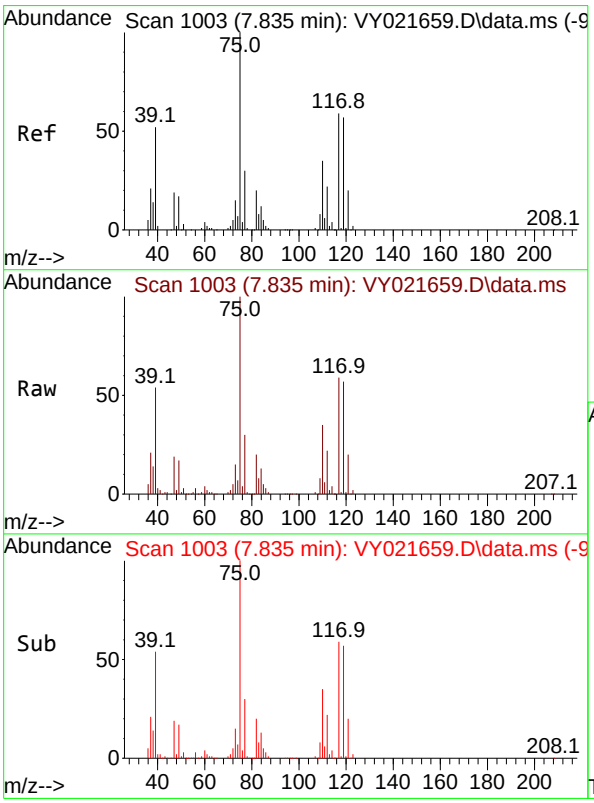
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	20.3	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

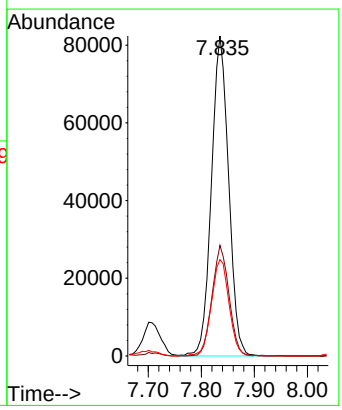
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

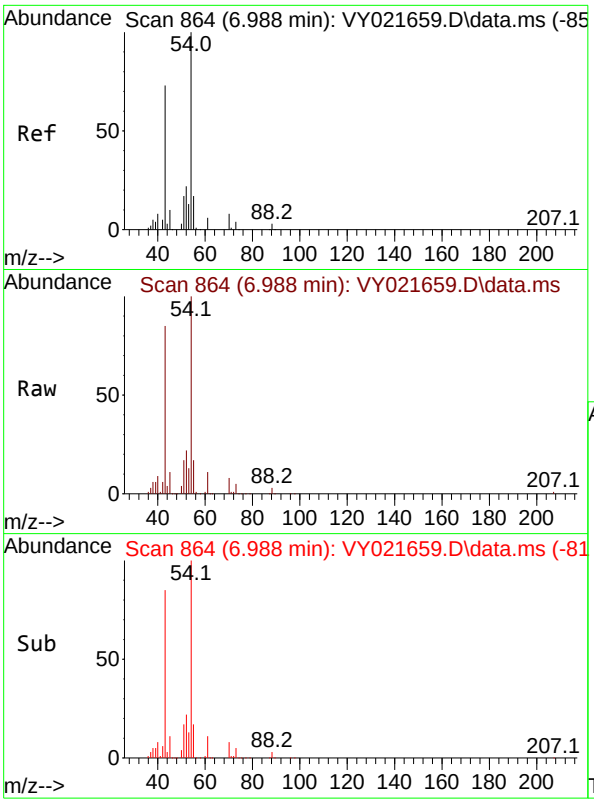


#36
1,1-Dichloropropene
Concen: 50.763 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 185559

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.0	50.9
77	31.0	24.8	37.2





#37
Ethyl Acetate
Concen: 50.617 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

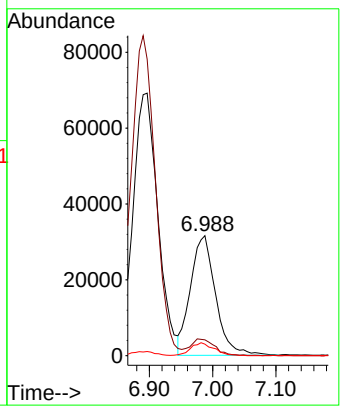
Tgt Ion: 43 Resp: 8732

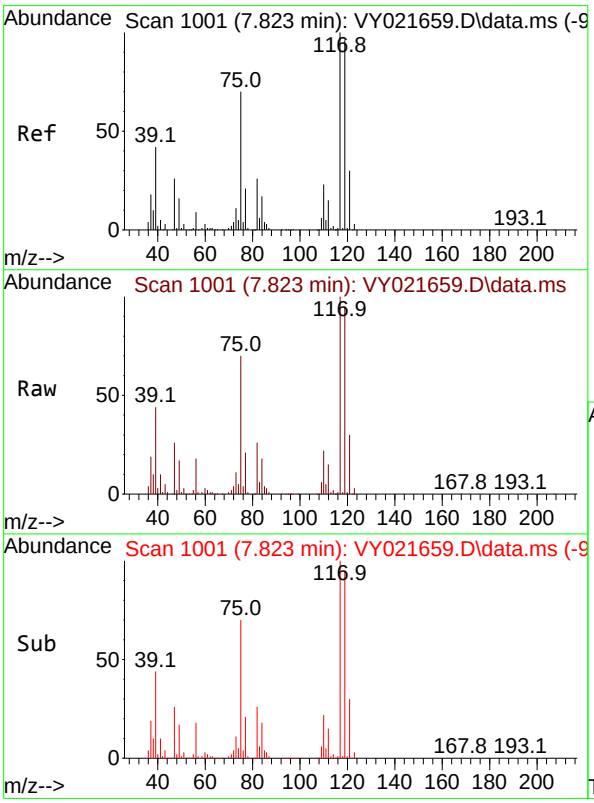
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.1	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

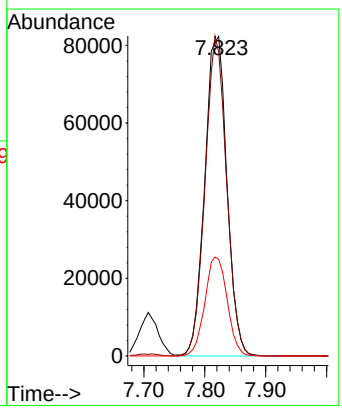


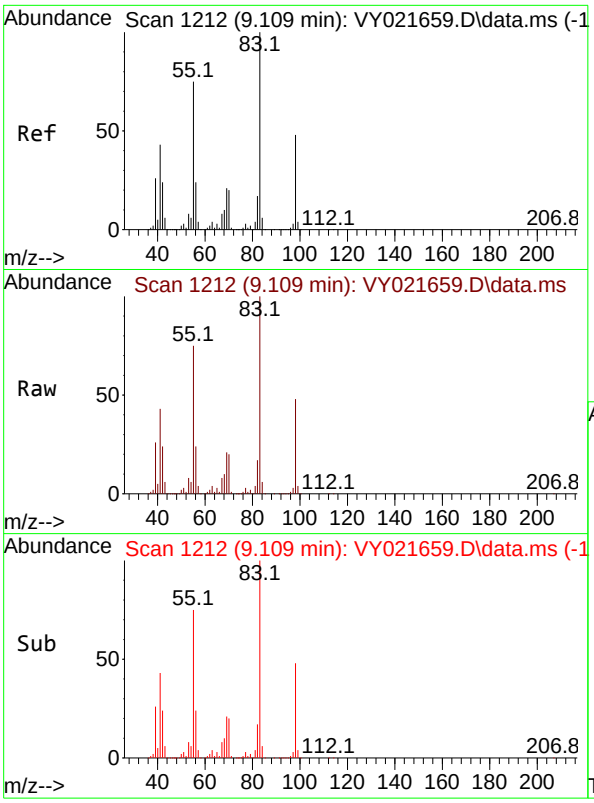


#38
Carbon Tetrachloride
Concen: 49.810 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:117 Resp: 208537

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	30.3	24.2	36.4





#39
Methylcyclohexane
Concen: 52.472 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

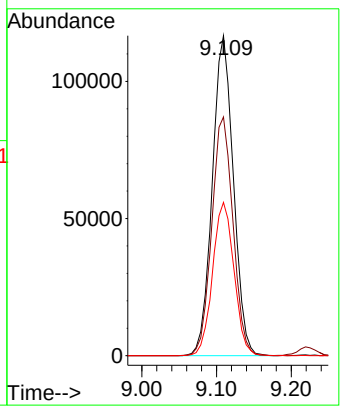
Tgt Ion: 83 Resp: 22913

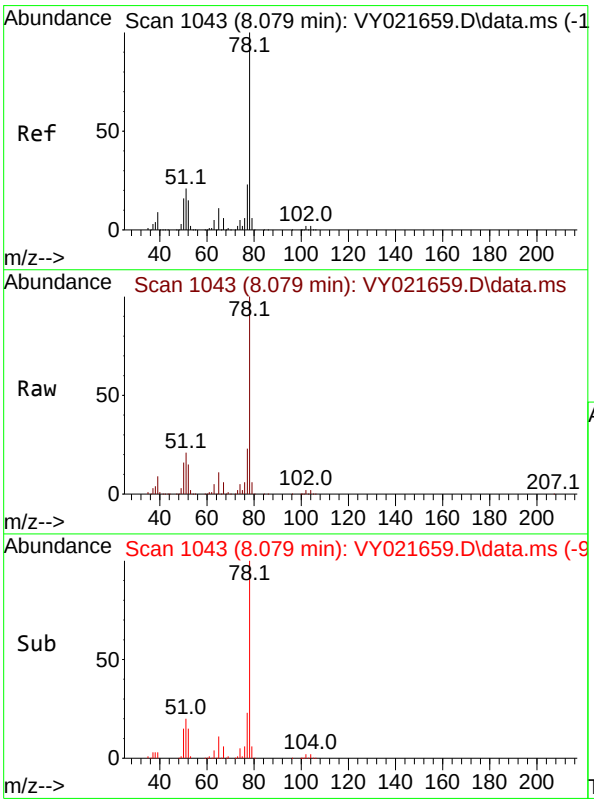
Ion	Ratio	Lower	Upper
83	100		
55	74.6	59.7	89.5
98	47.9	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

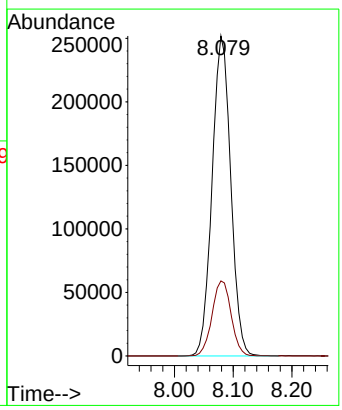


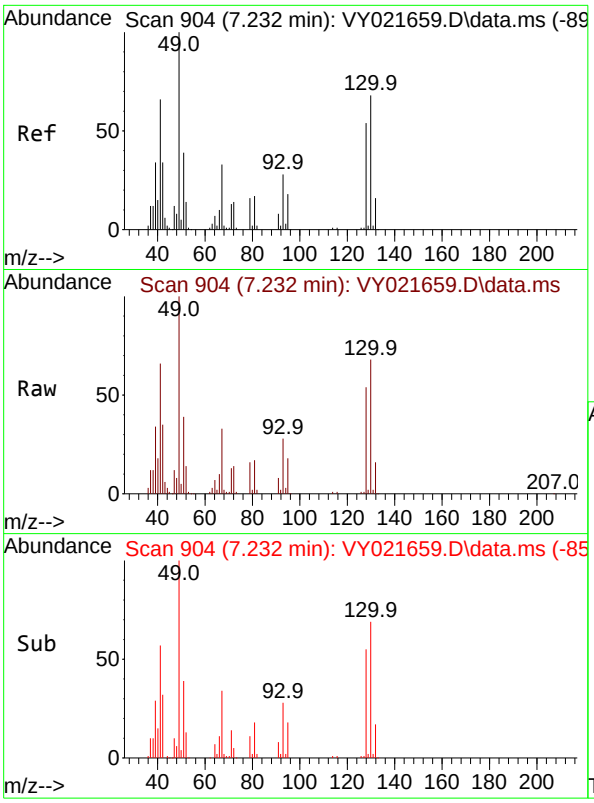


#40
Benzene
Concen: 50.649 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 78 Resp: 554462

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

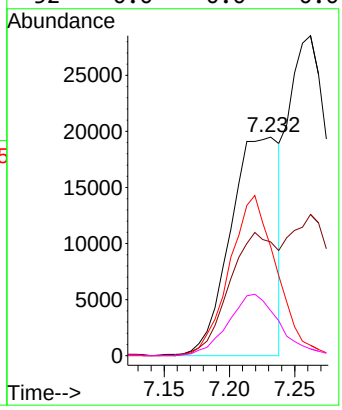




#41
Methacrylonitrile
Concen: 55.298 ug/l m
RT: 7.232 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 41 Resp: 5065

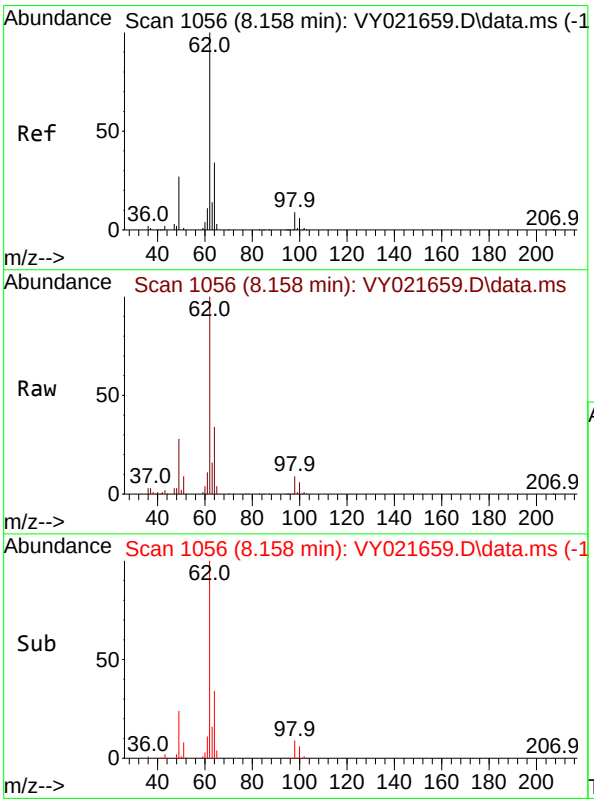
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

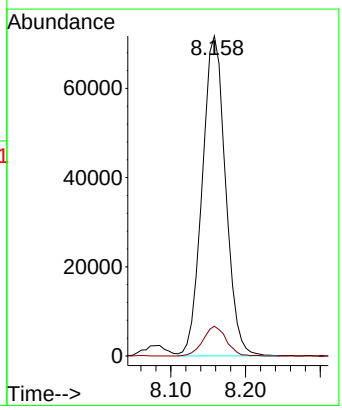
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

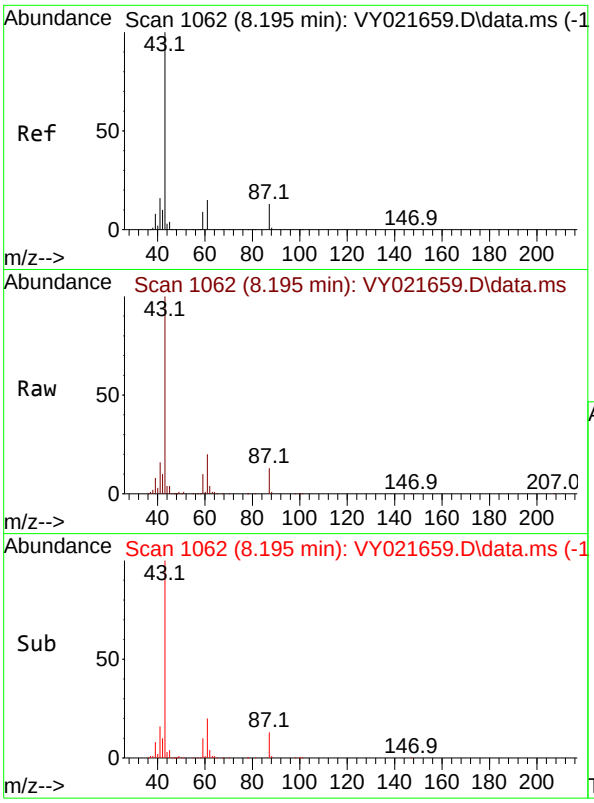


#42
1,2-Dichloroethane
Concen: 50.343 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 62 Resp: 155365

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4

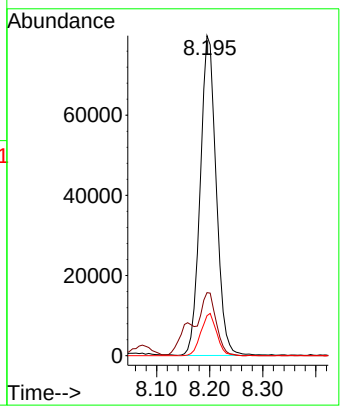




#43
Isopropyl Acetate
Concen: 51.076 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 16698

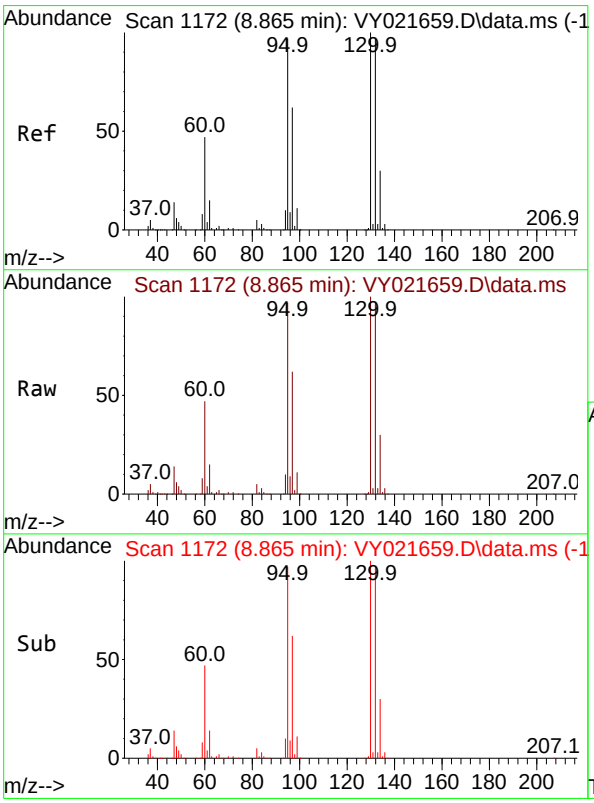
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.9	23.9
87	13.0	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

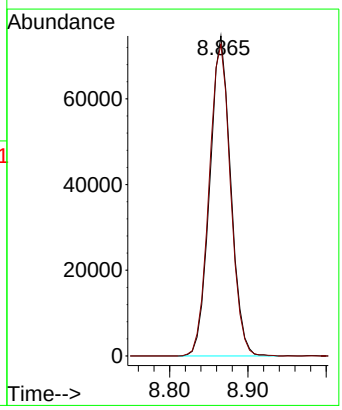
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

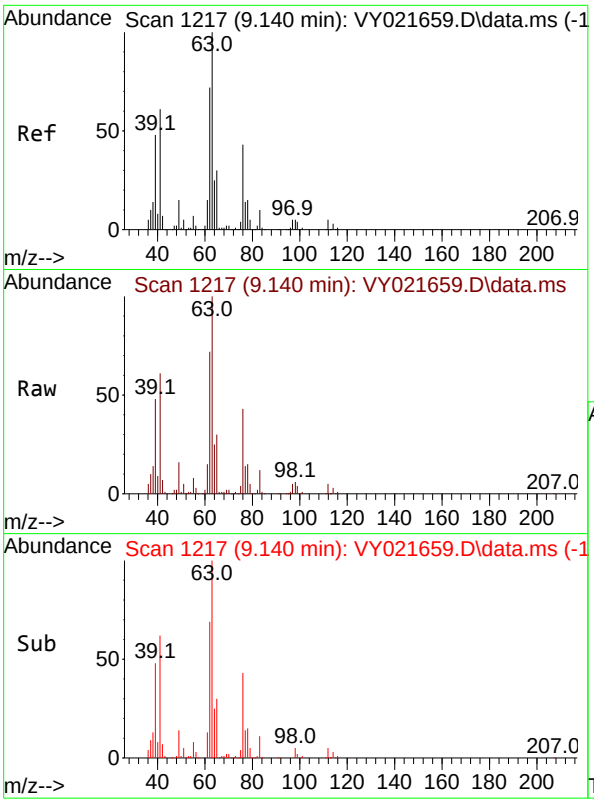


#44
Trichloroethene
Concen: 49.637 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:130 Resp: 138449

Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	194.8

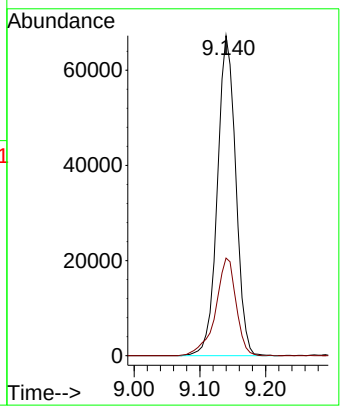




#45
1,2-Dichloropropane
Concen: 50.395 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 63 Resp: 13058

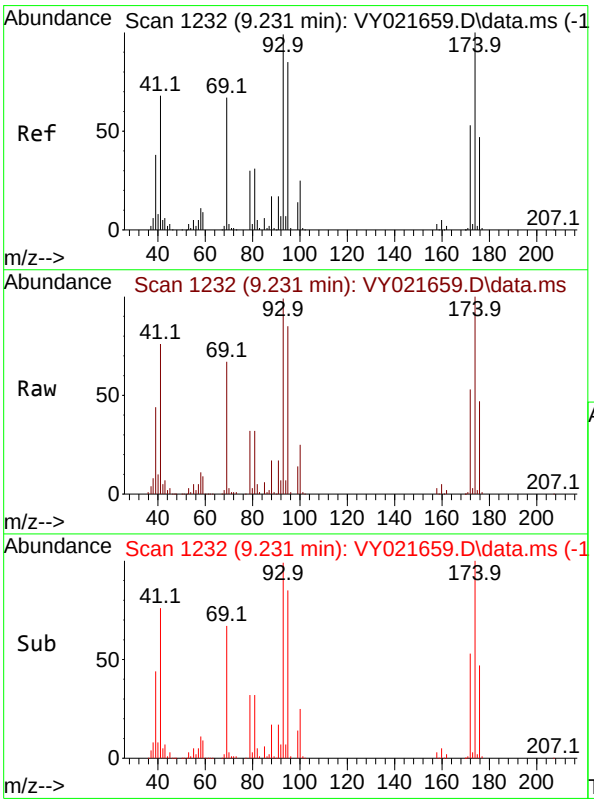
Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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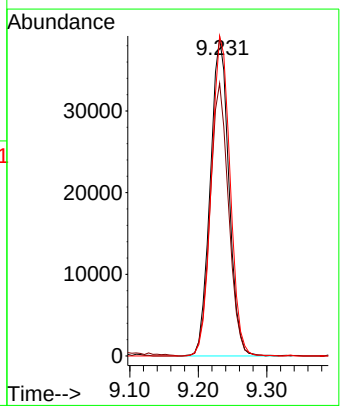
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

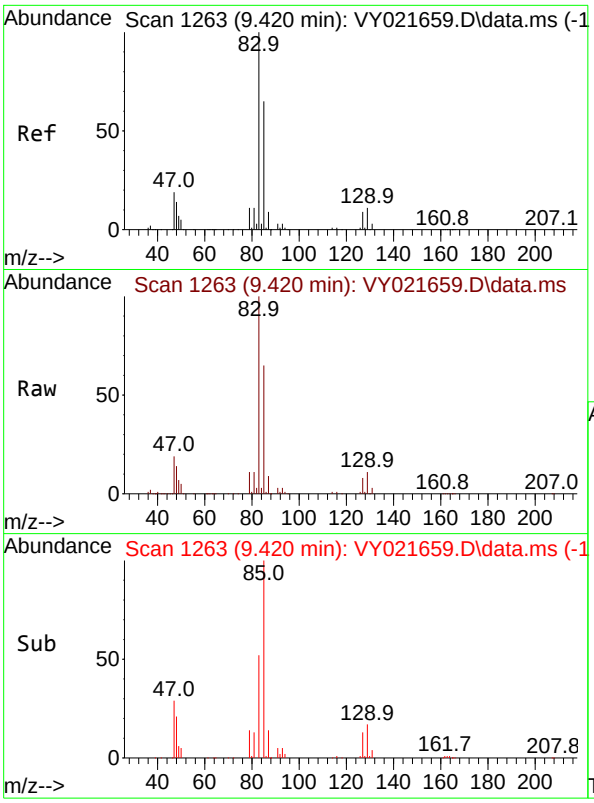


#46
Dibromomethane
Concen: 49.174 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 93 Resp: 73435

Ion	Ratio	Lower	Upper
93	100		
95	85.1	68.1	102.1
174	101.1	80.9	121.3

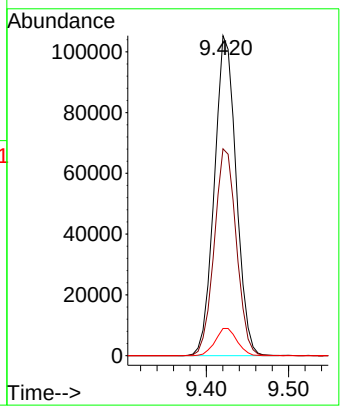




#47
Bromodichloromethane
Concen: 50.237 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 83 Resp: 19439

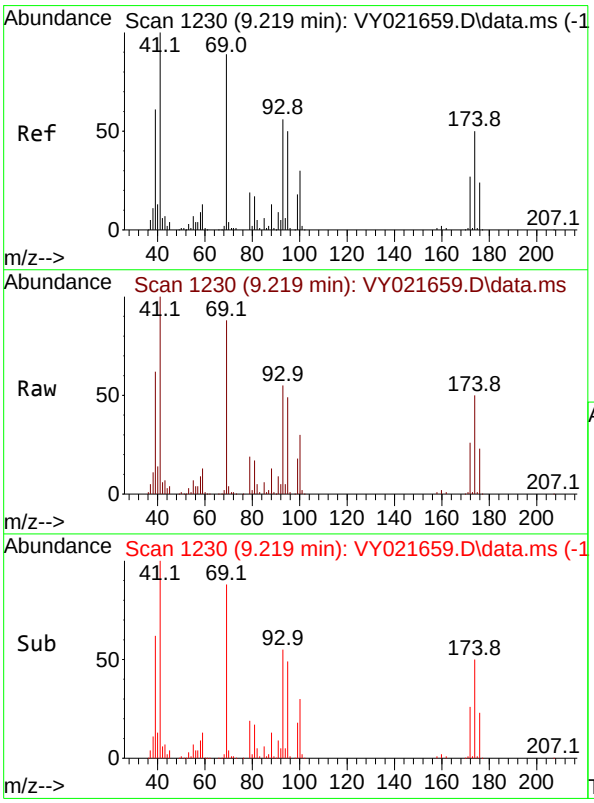
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	8.5	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

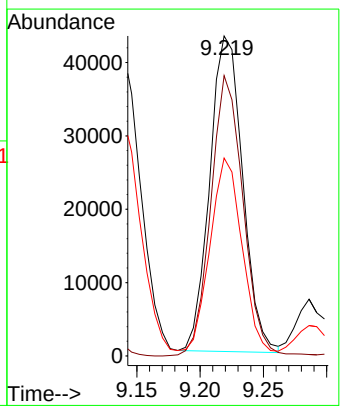
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

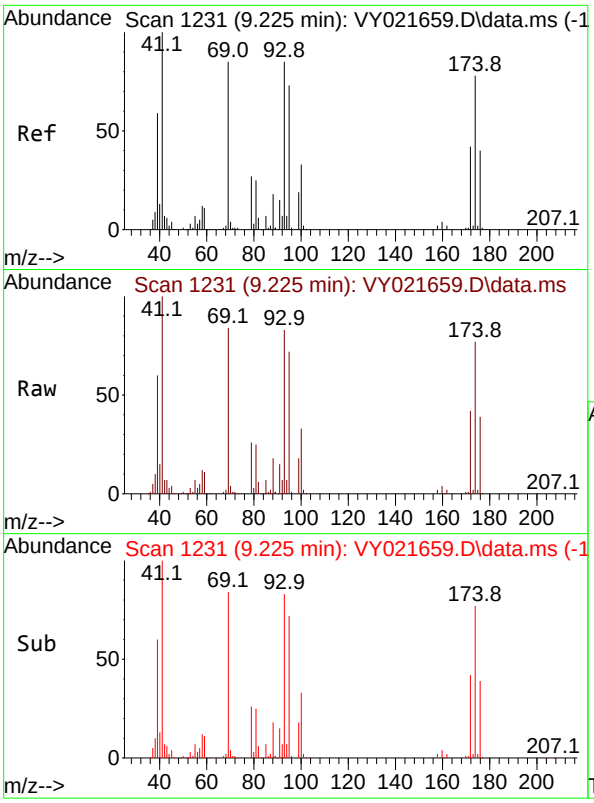


#48
Methyl methacrylate
Concen: 51.902 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 41 Resp: 77877

Ion	Ratio	Lower	Upper
41	100		
69	87.3	69.8	104.8
39	59.0	47.2	70.8

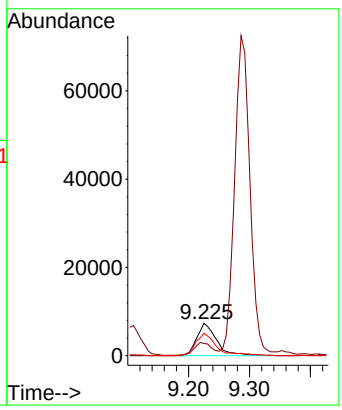




#49
1,4-Dioxane
Concen: 1030.192 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 88 Resp: 1648

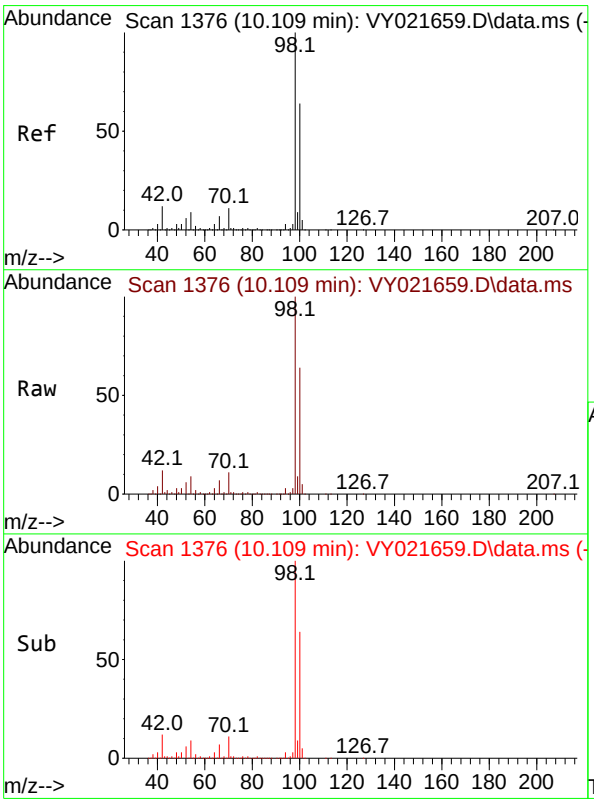
Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.8	43.2
58	74.3	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

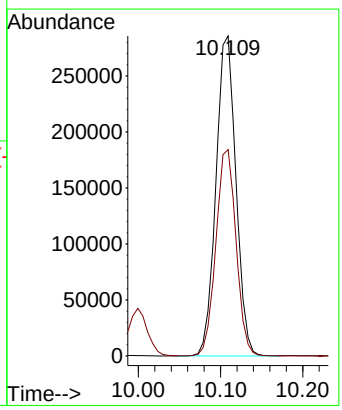
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

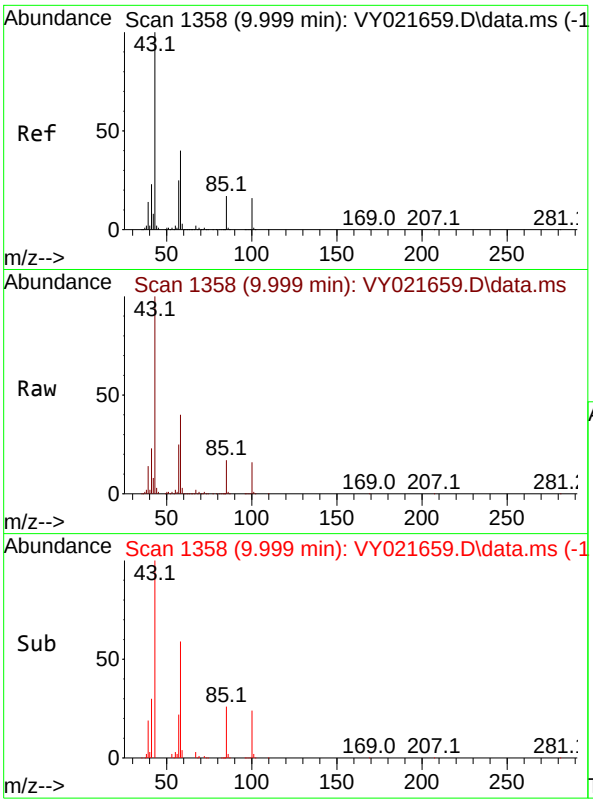


#50
Toluene-d8
Concen: 52.909 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 98 Resp: 483058

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1

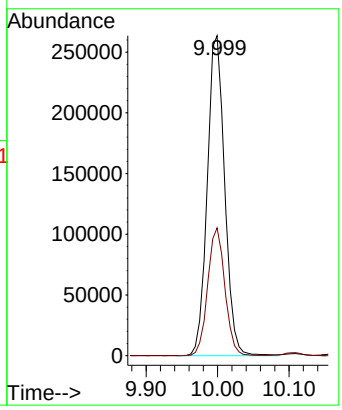




#51
4-Methyl-2-Pentanone
Concen: 261.893 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 44556

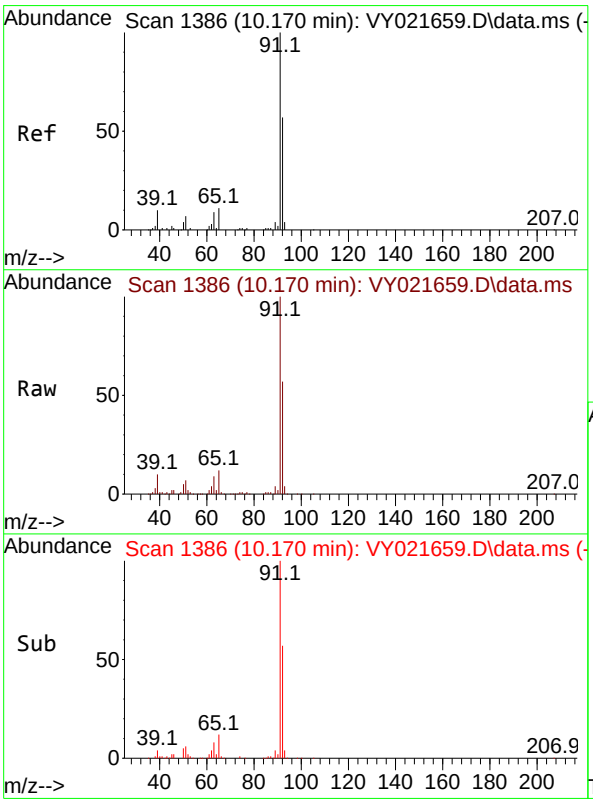
Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

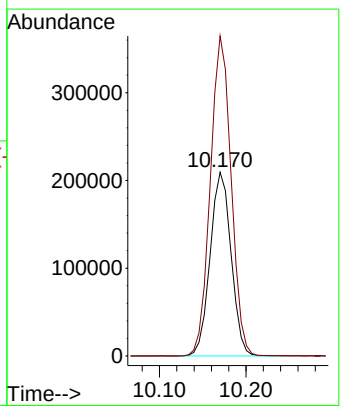
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

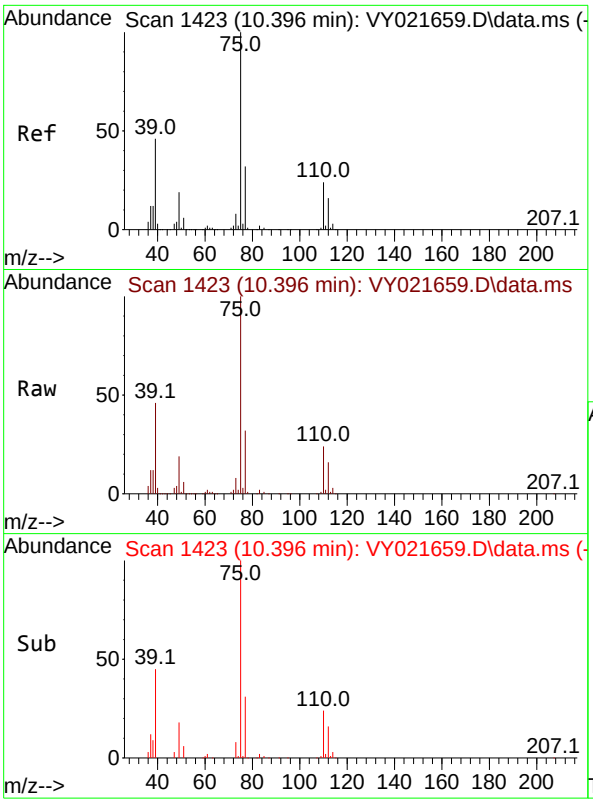


#52
Toluene
Concen: 51.496 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 92 Resp: 351715

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.6	207.8

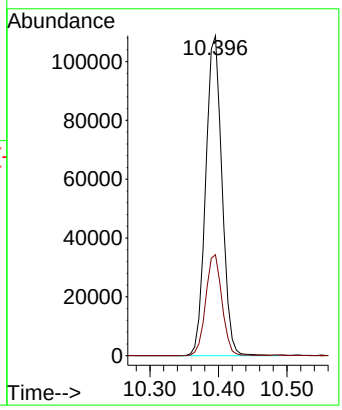




#53
t-1,3-Dichloropropene
Concen: 52.296 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 17974

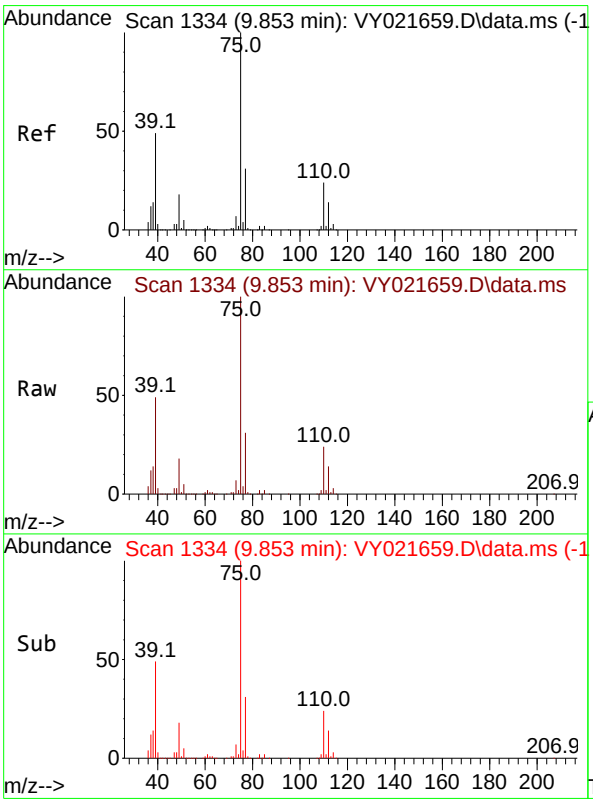
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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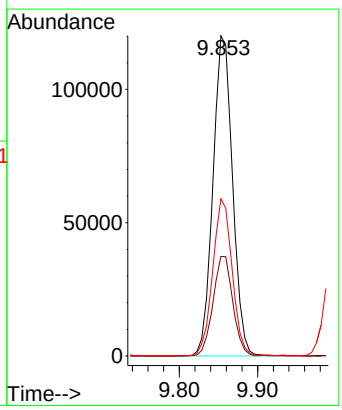
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

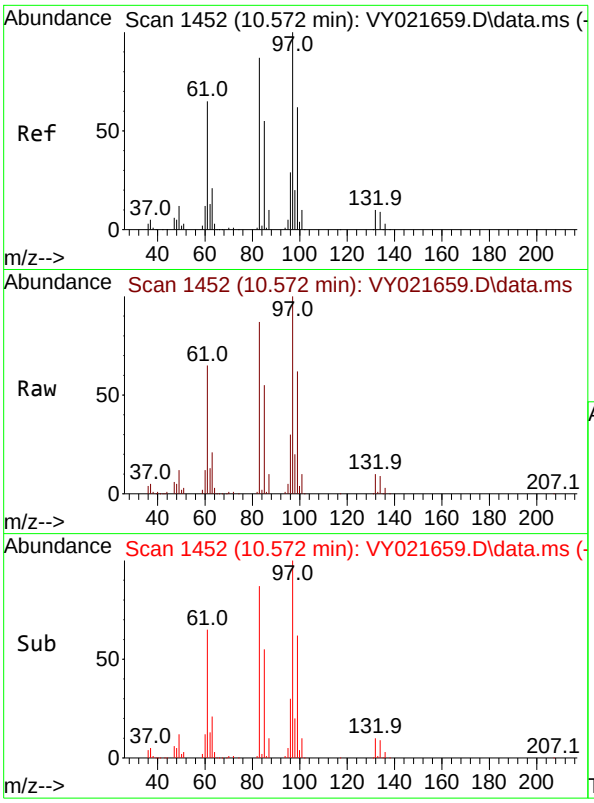


#54
cis-1,3-Dichloropropene
Concen: 51.579 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 209143

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3
39	49.0	39.2	58.8

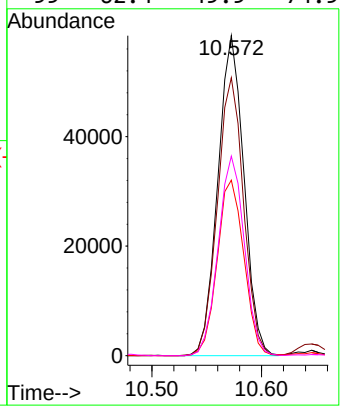




#55
1,1,2-Trichloroethane
Concen: 50.254 ug/l
RT: 10.572 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 97 Resp: 9657

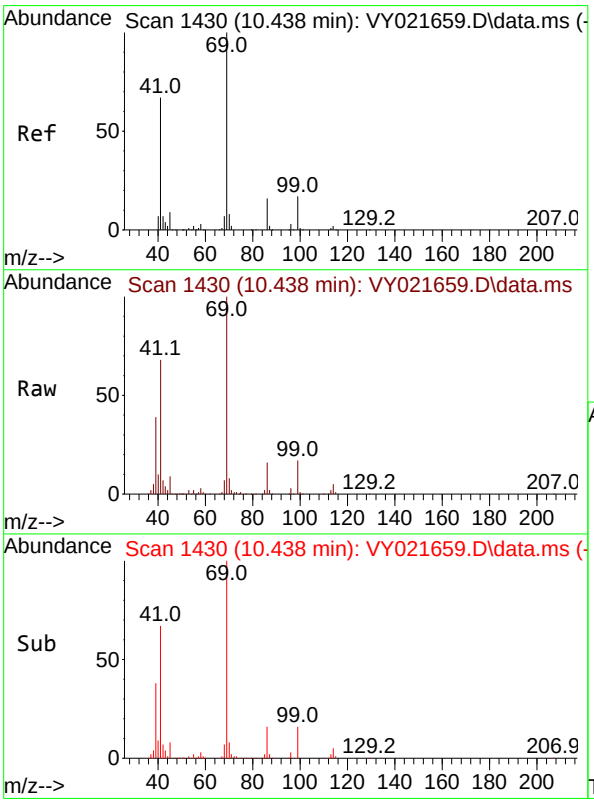
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.5	104.3
85	54.9	43.9	65.9
99	62.4	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

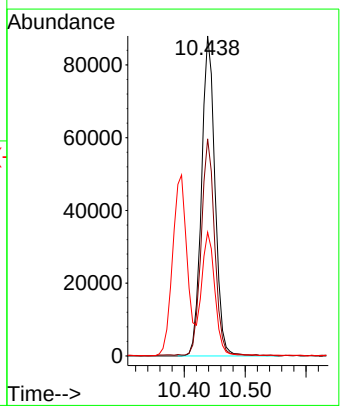
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

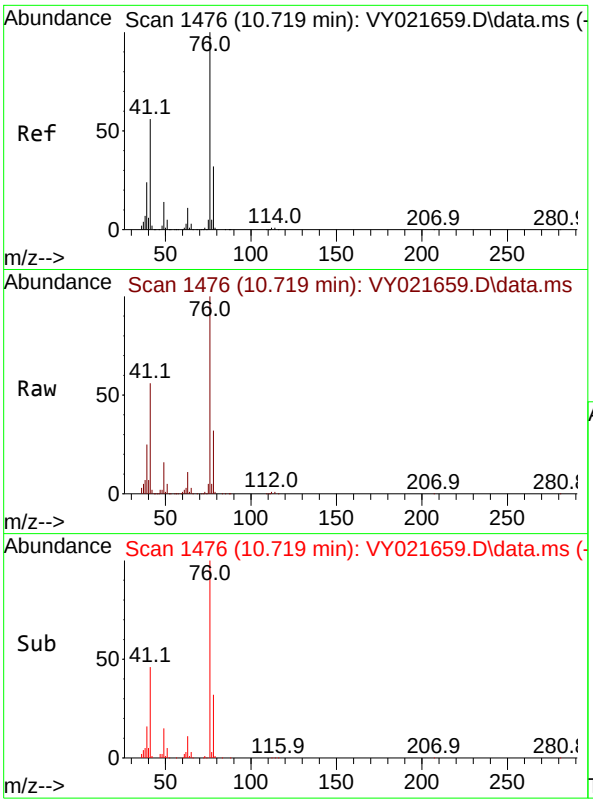


#56
Ethyl methacrylate
Concen: 55.124 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 69 Resp: 135272

Ion	Ratio	Lower	Upper
69	100		
41	67.2	53.8	80.6
39	37.0	29.6	44.4

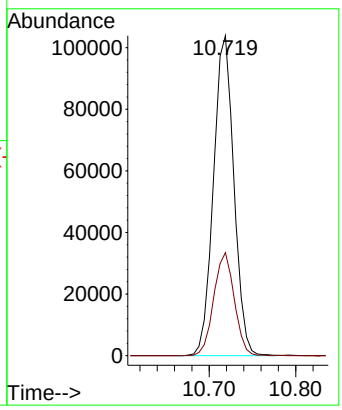




#57
1,3-Dichloropropane
Concen: 51.252 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 76 Resp: 170109

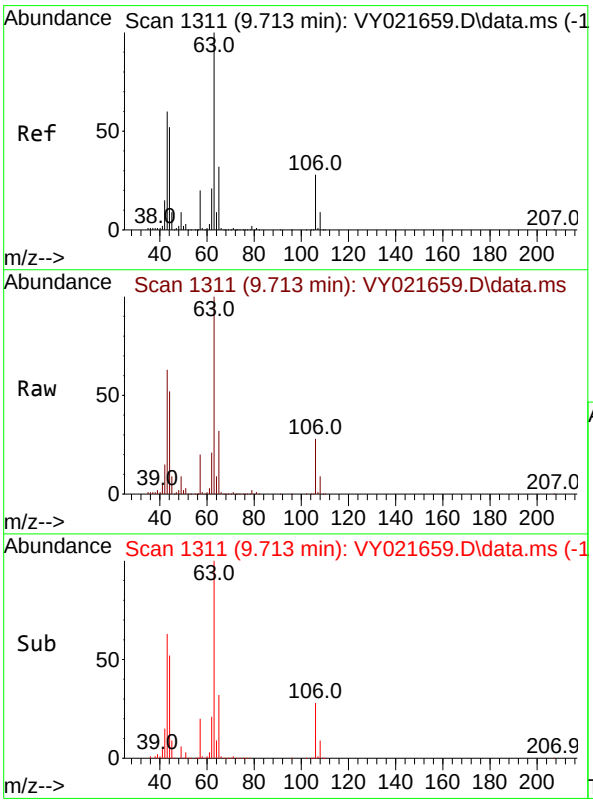
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

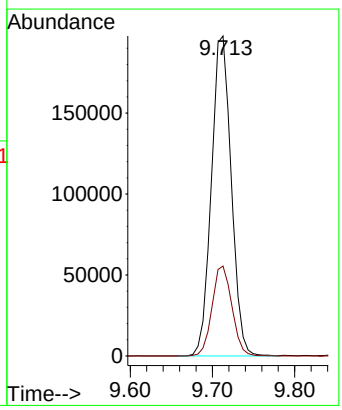
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

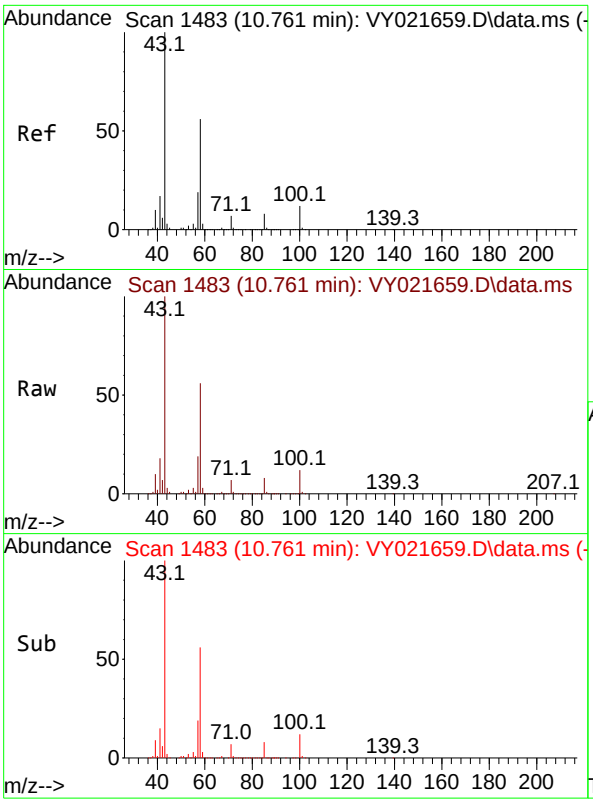


#58
2-Chloroethyl Vinyl ether
Concen: 277.643 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 63 Resp: 332369

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.4	33.6

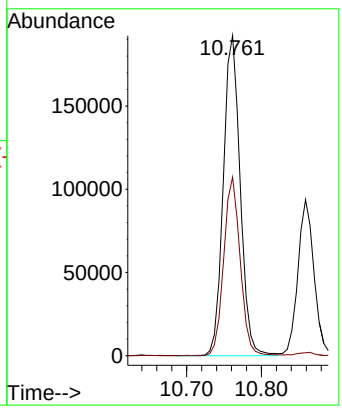




#59
2-Hexanone
Concen: 267.012 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 30253

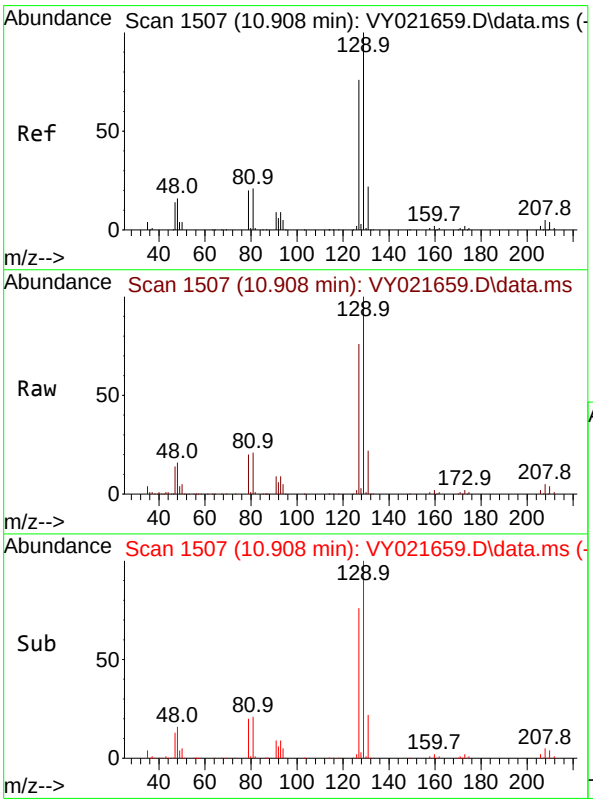
Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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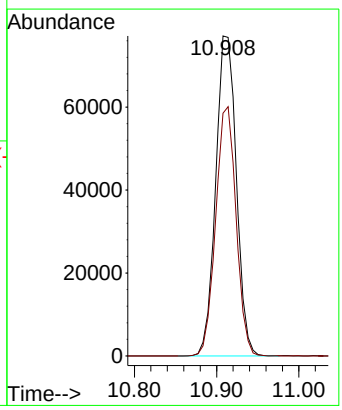
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

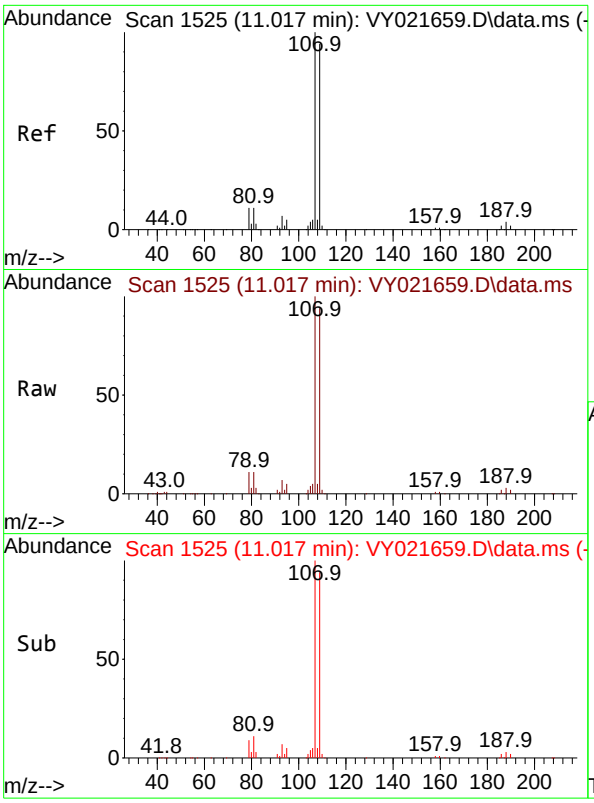


#60
Dibromochloromethane
Concen: 51.334 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:129 Resp: 134696

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7

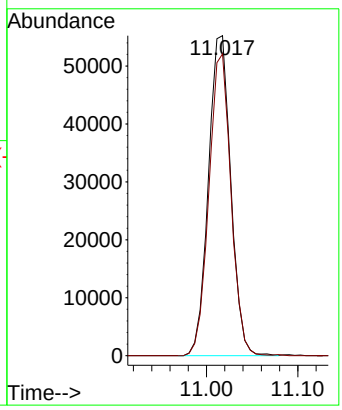




#61
1,2-Dibromoethane
Concen: 52.067 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:107 Resp: 9386

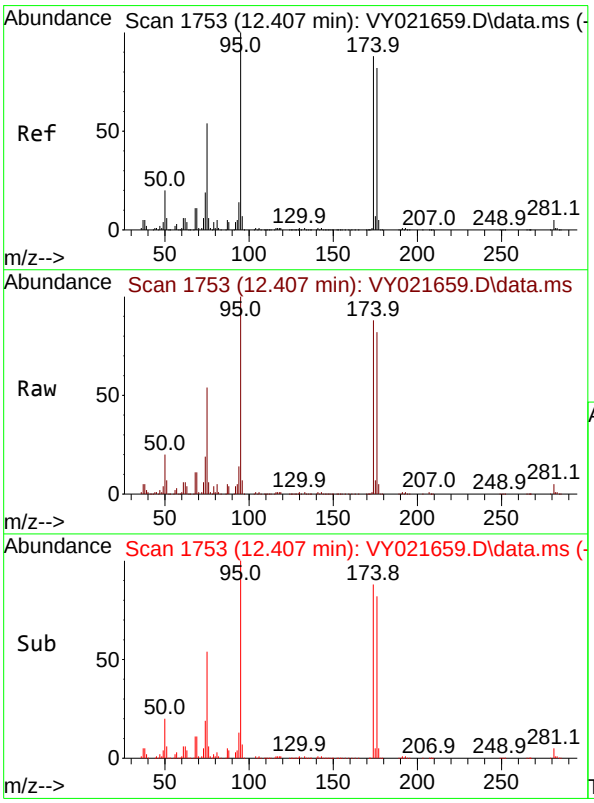
Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

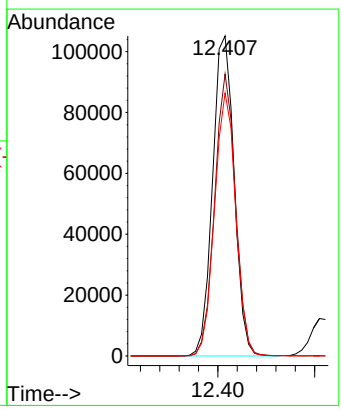
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

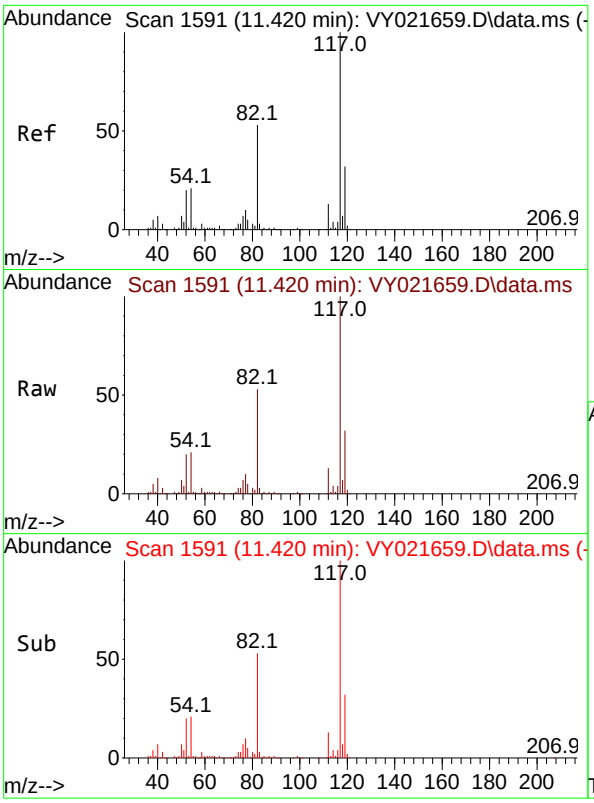


#62
4-Bromofluorobenzene
Concen: 52.583 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 95 Resp: 162384

Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	170.8
176	81.0	0.0	162.0

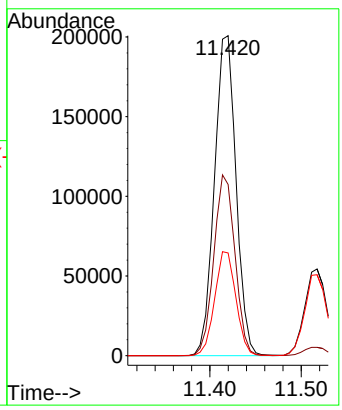




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:117 Resp: 32962

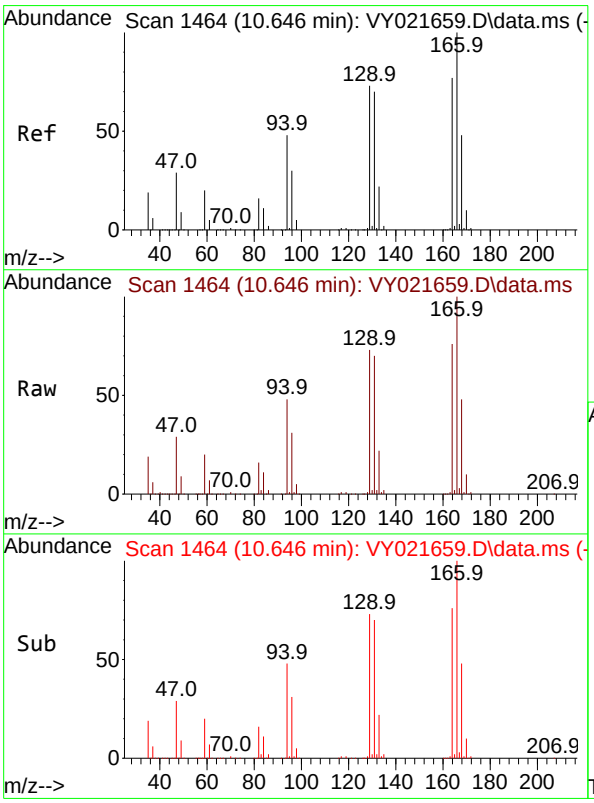
Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.8	64.2
119	32.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

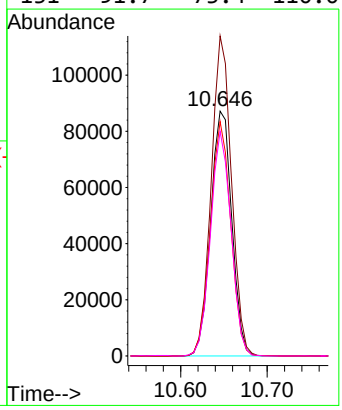
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

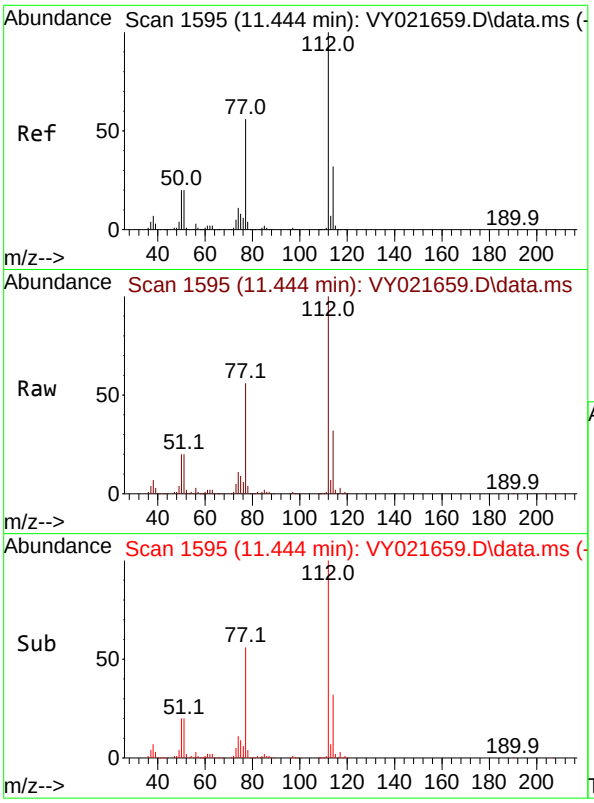


#64
Tetrachloroethene
Concen: 49.288 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:164 Resp: 147971

Ion	Ratio	Lower	Upper
164	100		
166	130.7	104.6	156.8
129	95.7	76.6	114.8
131	91.7	73.4	110.0

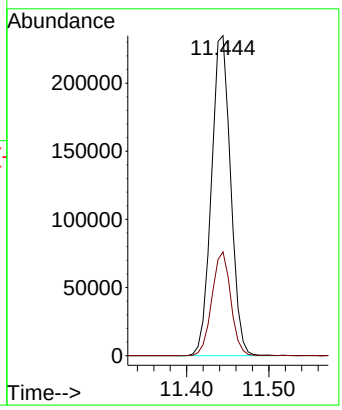




#65
Chlorobenzene
Concen: 50.378 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:112 Resp: 38066

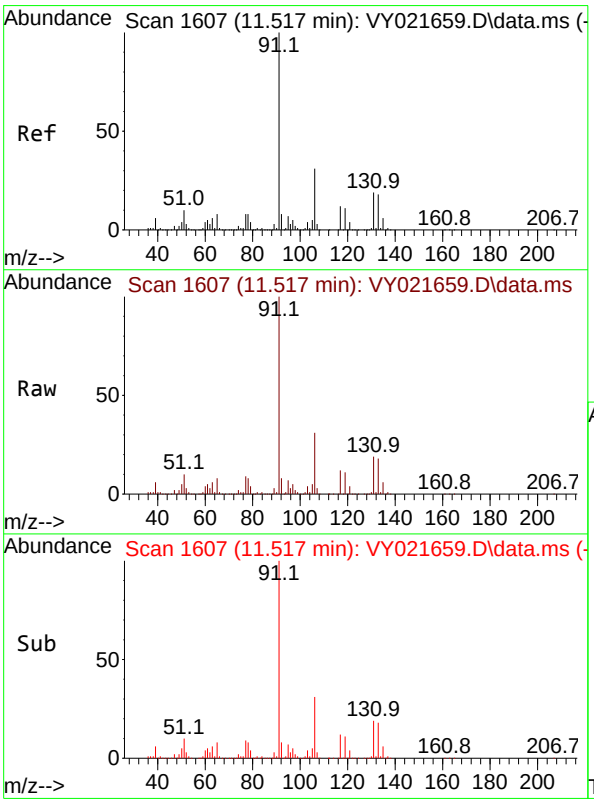
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

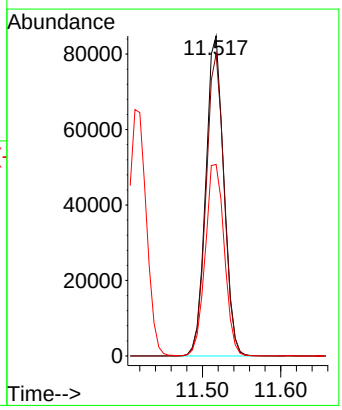
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

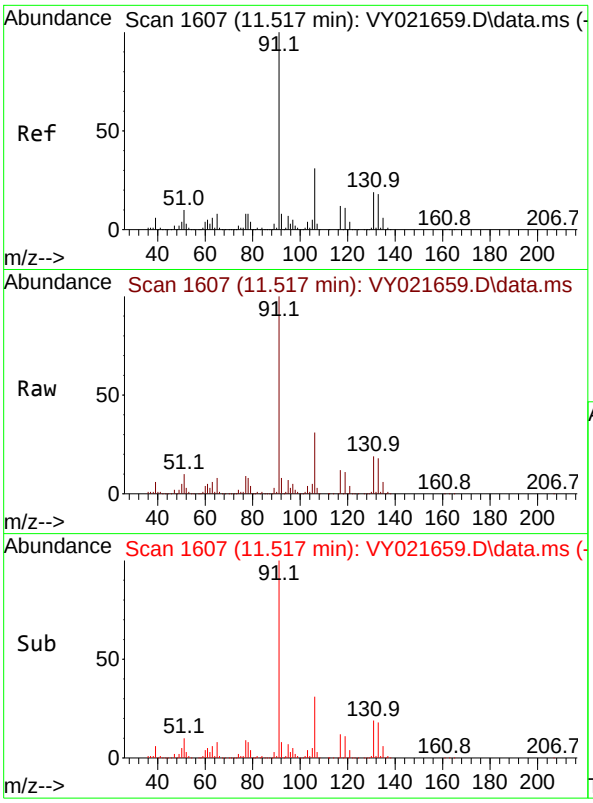


#66
1,1,1,2-Tetrachloroethane
Concen: 50.602 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:131 Resp: 135660

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	63.3	31.6	95.0

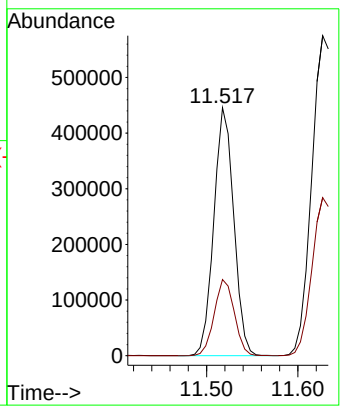




#67
Ethyl Benzene
Concen: 52.188 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 67620

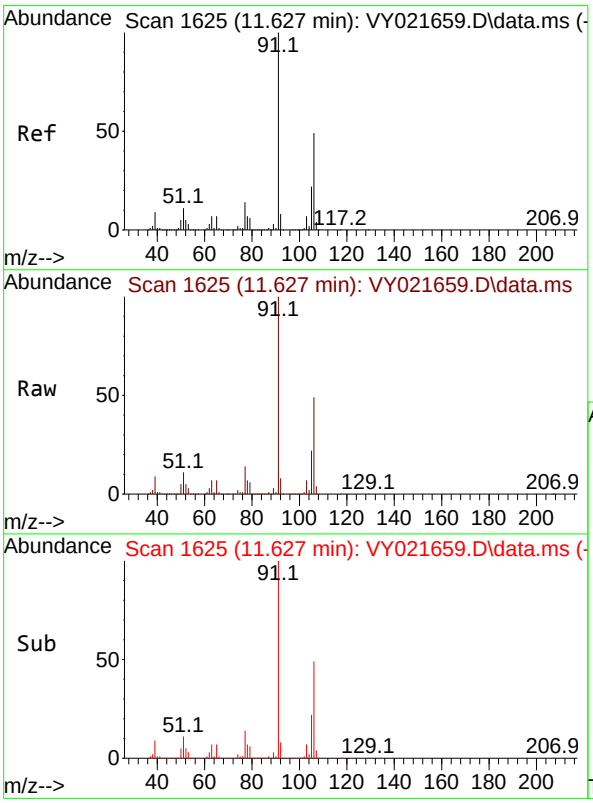
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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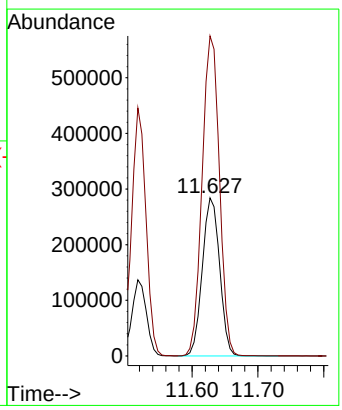
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

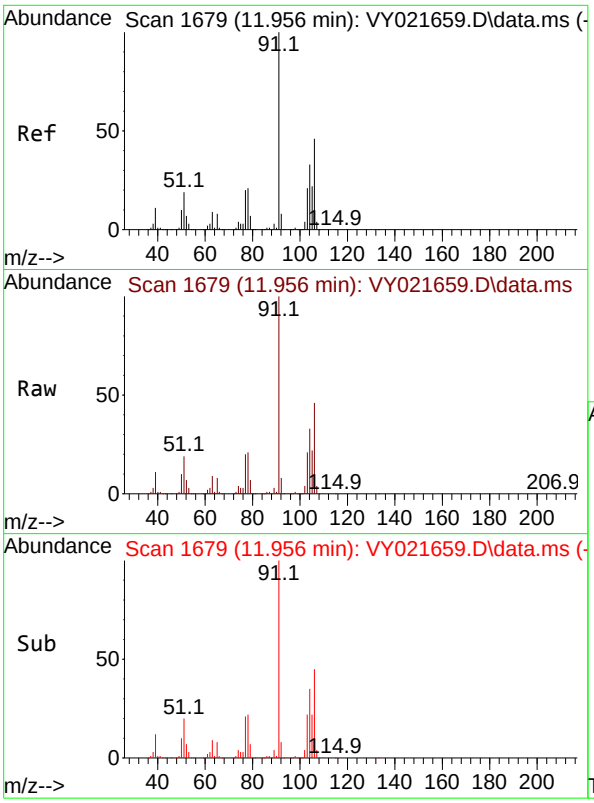


#68
m/p-Xylenes
Concen: 104.634 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:106 Resp: 519154

Ion	Ratio	Lower	Upper
106	100		
91	203.0	162.4	243.6





#69
o-Xylene
Concen: 53.135 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

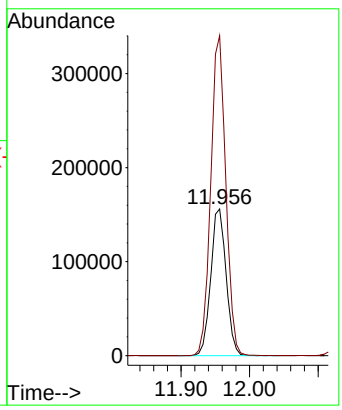
Tgt Ion:106 Resp: 24335

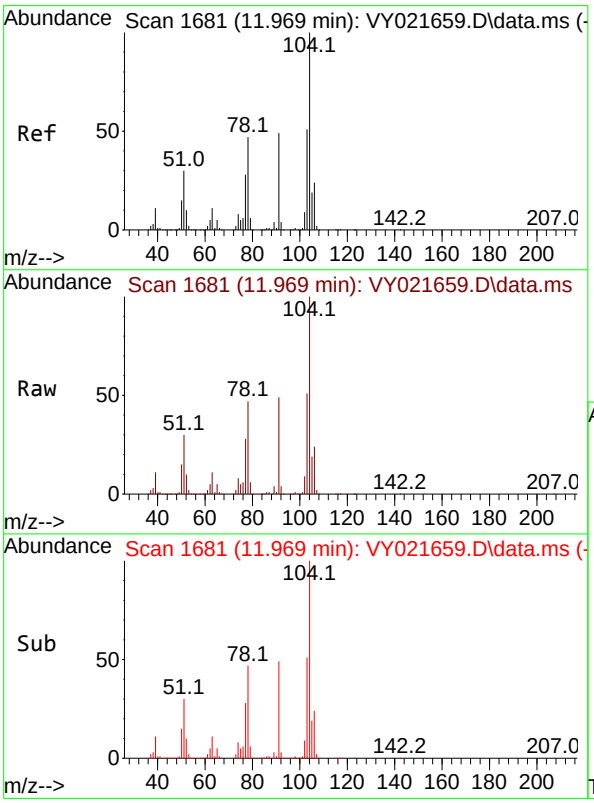
Ion	Ratio	Lower	Upper
106	100		
91	213.3	106.7	319.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

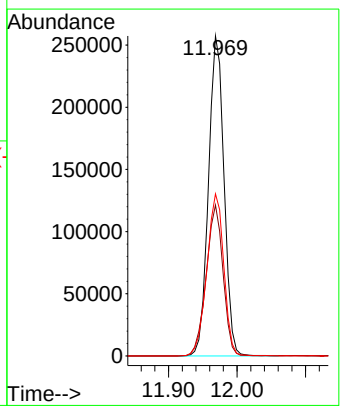


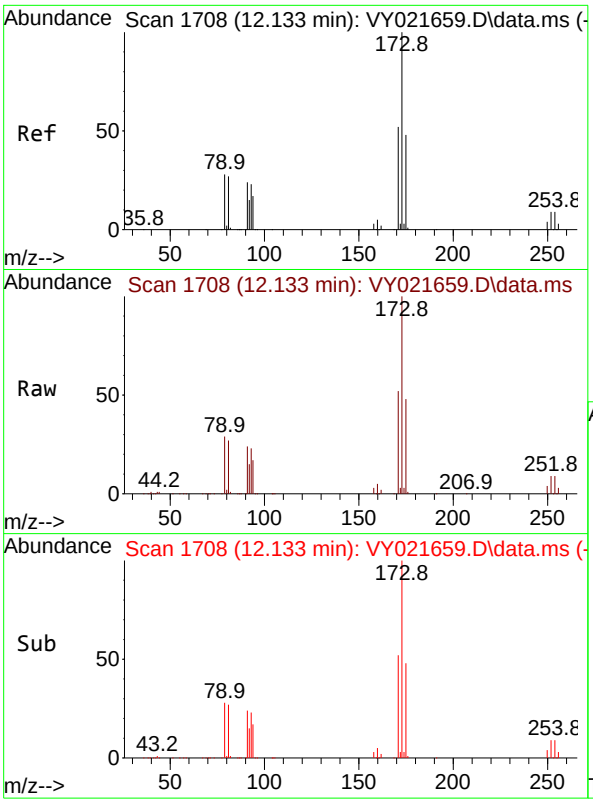


#70
Styrene
Concen: 53.195 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:104 Resp: 406215

Ion	Ratio	Lower	Upper
104	100		
78	51.0	40.8	61.2
103	55.2	44.2	66.2

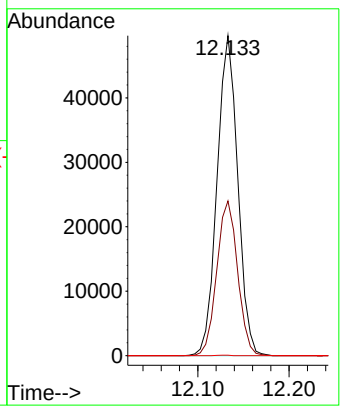




#71
Bromoform
Concen: 51.140 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:173 Resp: 7820

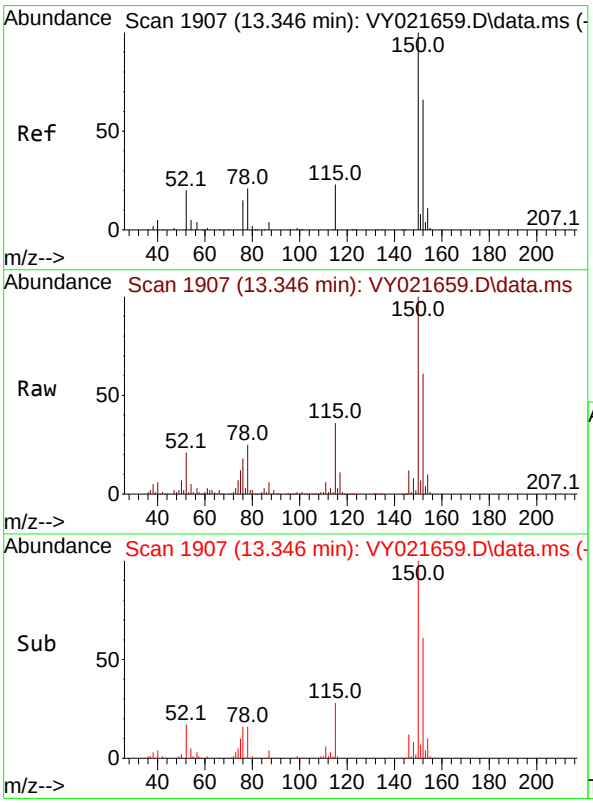
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

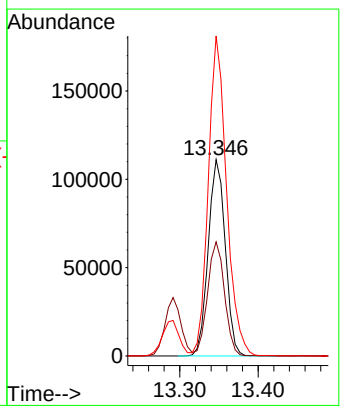
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

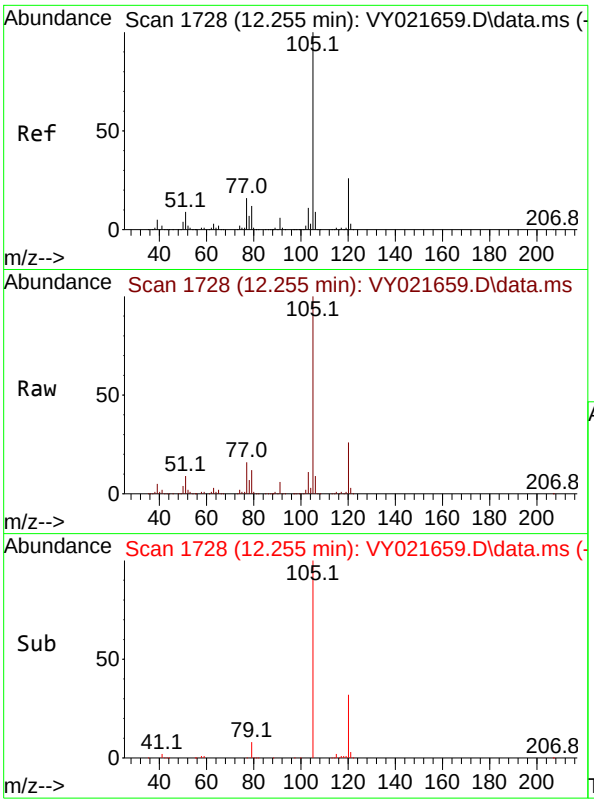


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:152 Resp: 167924

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.5
150	174.2	0.0	348.4





#73
Isopropylbenzene
Concen: 51.505 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

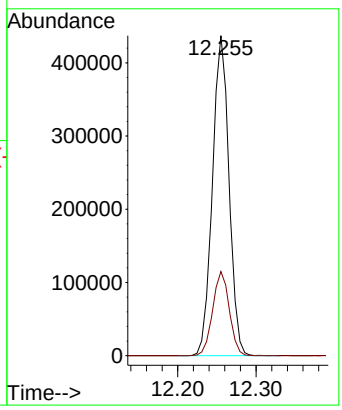
Tgt Ion:105 Resp: 64239

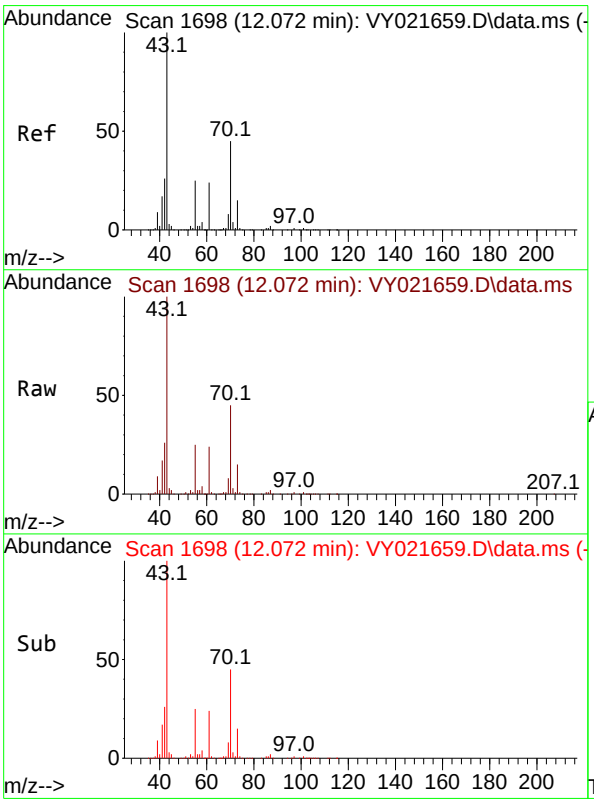
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

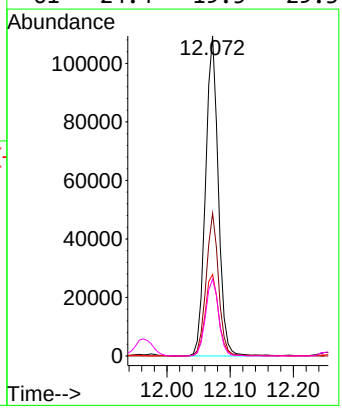


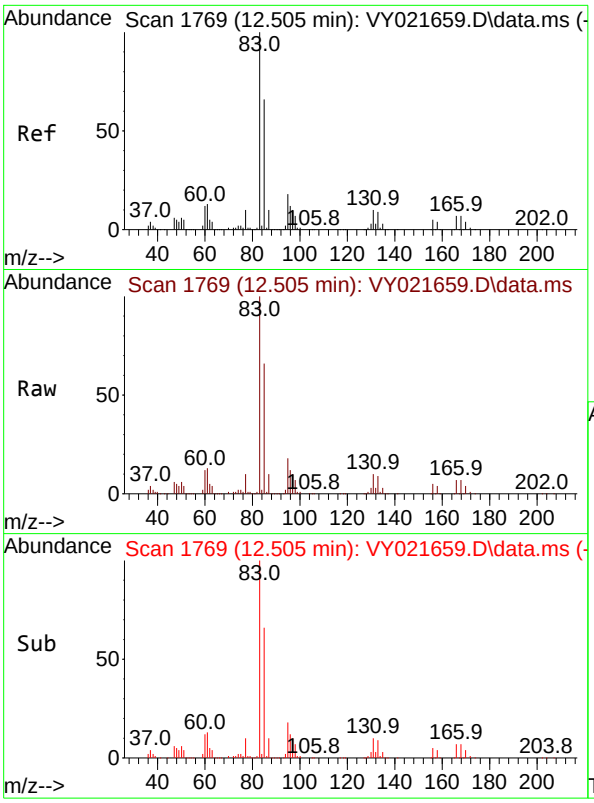


#74
N-amyl acetate
Concen: 52.630 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 43 Resp: 154054

Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.7	52.1
55	26.5	21.2	31.8
61	24.4	19.5	29.3

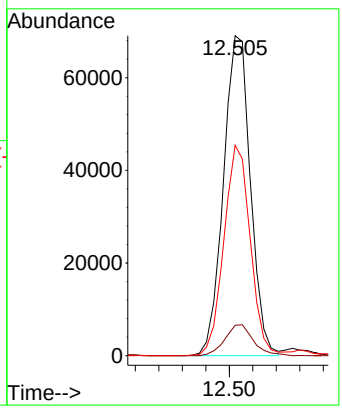




#75
1,1,2,2-Tetrachloroethane
Concen: 49.185 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 83 Resp: 11029

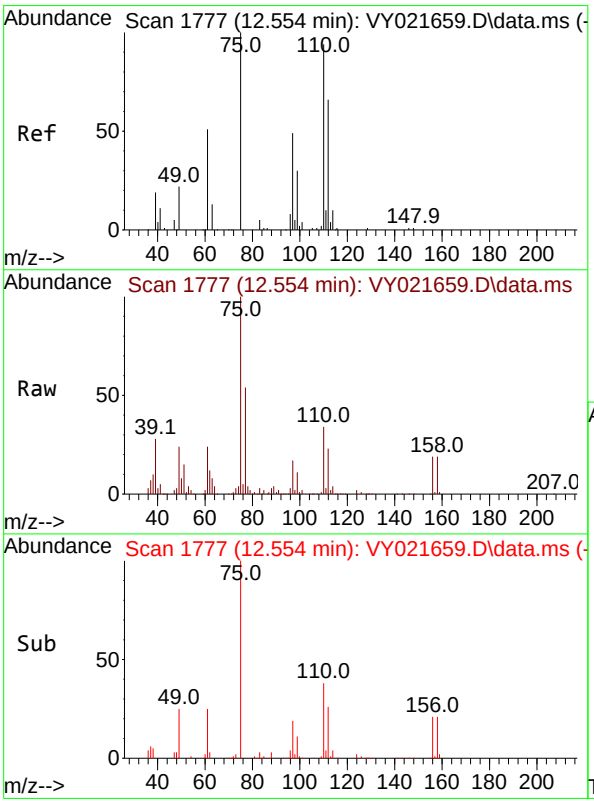
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	64.5	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

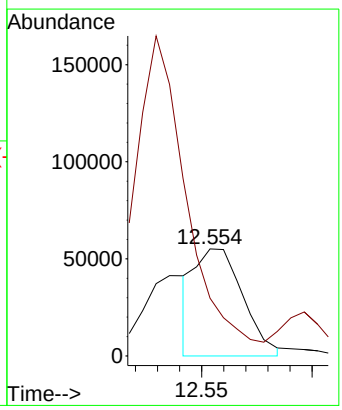
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

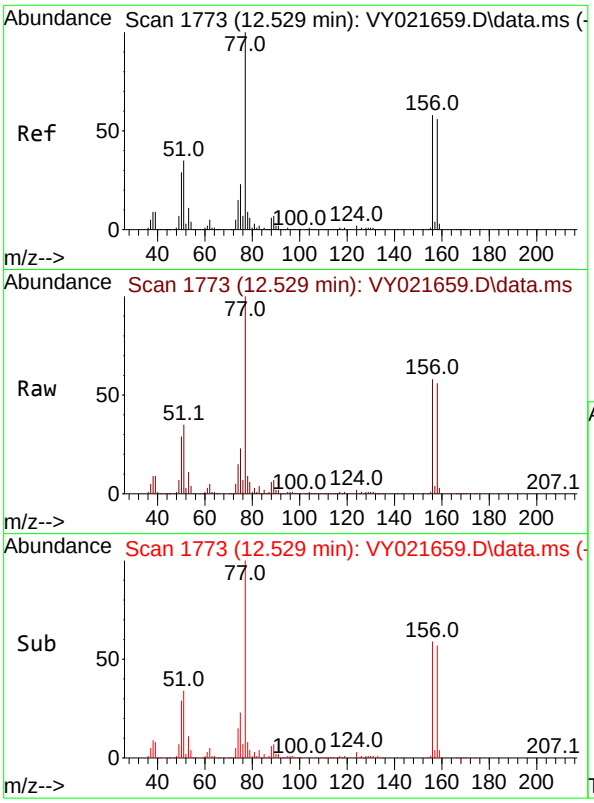


#76
1,2,3-Trichloropropane
Concen: 50.257 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 83656

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

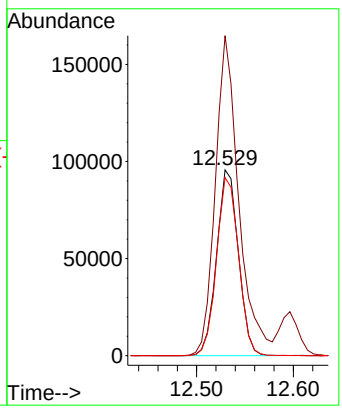




#77
Bromobenzene
Concen: 49.864 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:156 Resp: 14932

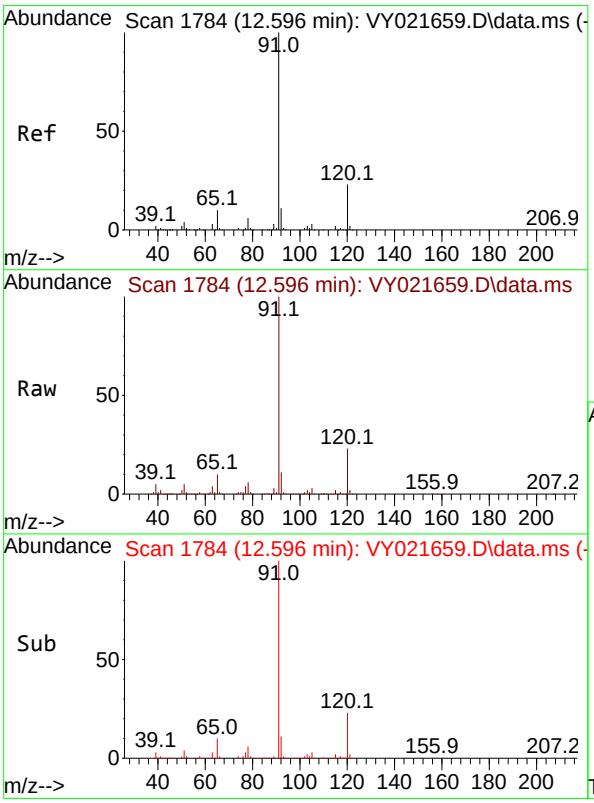
Ion	Ratio	Lower	Upper
156	100		
77	185.5	92.8	278.3
158	97.1	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

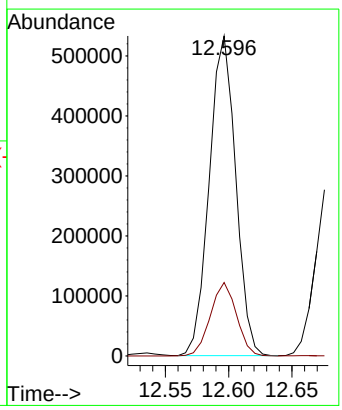
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

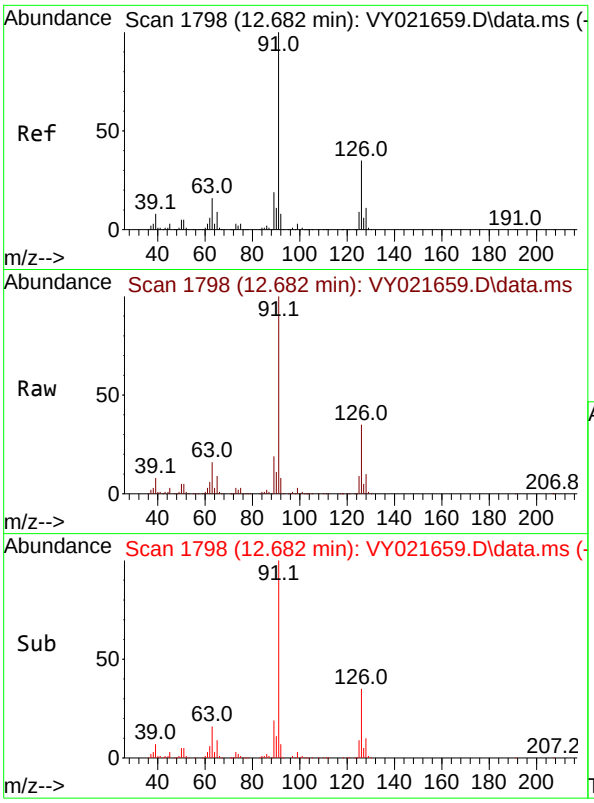


#78
n-propylbenzene
Concen: 51.702 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 775252

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9

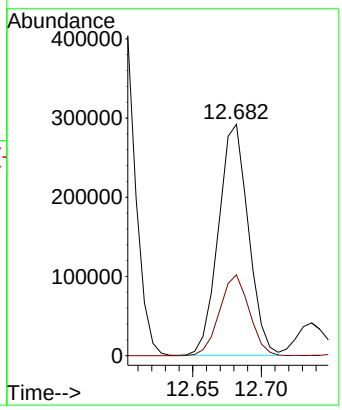




#79
2-Chlorotoluene
Concen: 51.001 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 44417

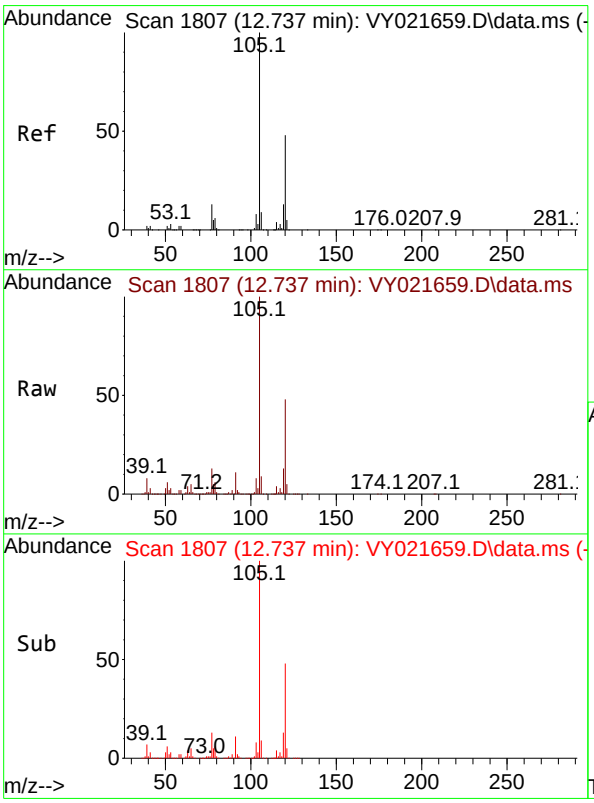
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

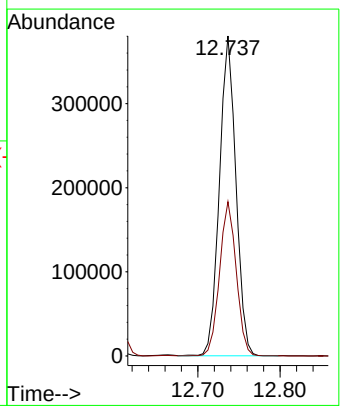
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

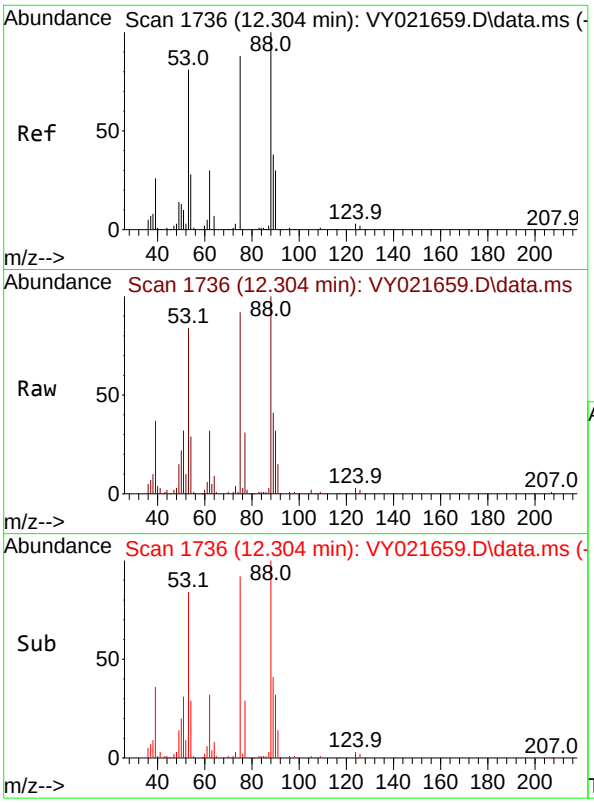


#80
1,3,5-Trimethylbenzene
Concen: 51.839 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:105 Resp: 528425

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.5	73.5

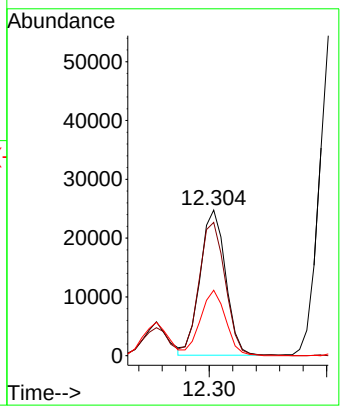




#81
trans-1,4-Dichloro-2-butene
Concen: 51.550 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 3724

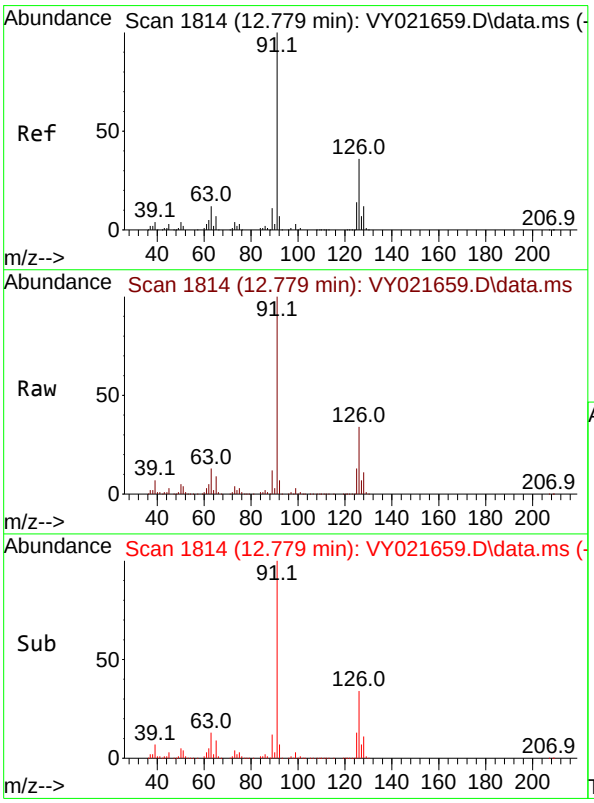
Ion	Ratio	Lower	Upper
75	100		
53	95.1	76.1	114.1
89	45.3	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

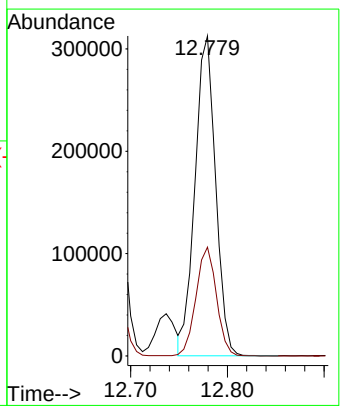
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

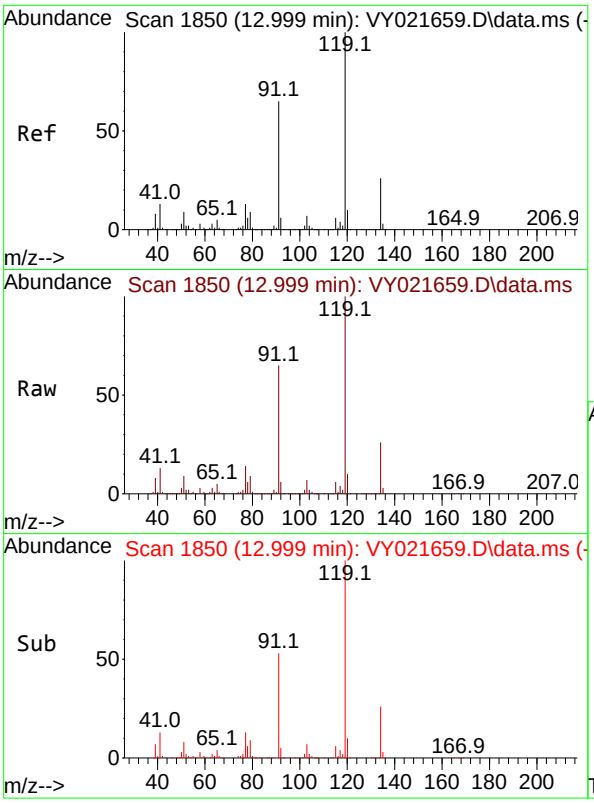


#82
4-Chlorotoluene
Concen: 50.995 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 463024

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9

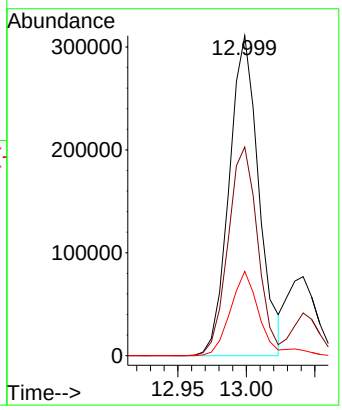




#83
tert-Butylbenzene
Concen: 51.541 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:119 Resp: 46796

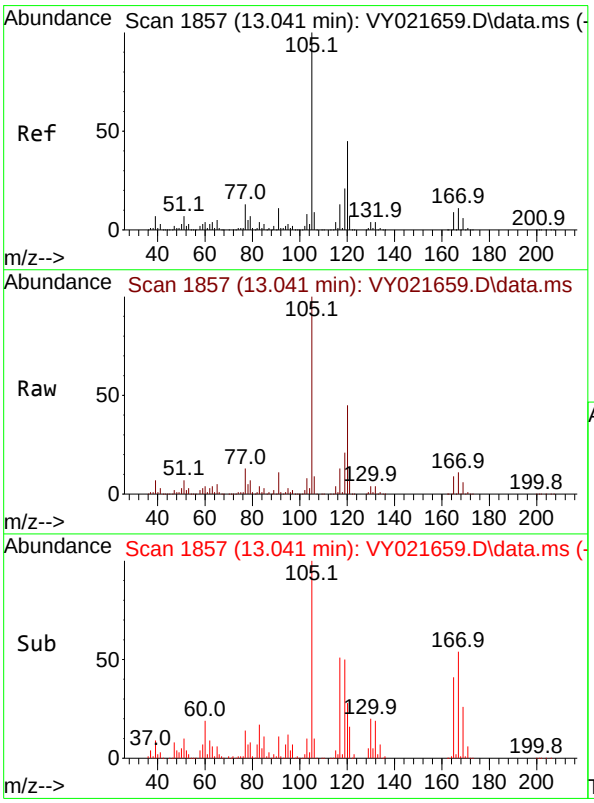
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.4	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

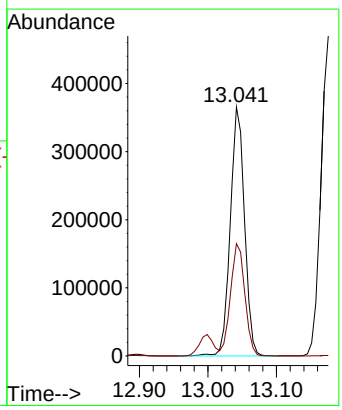
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

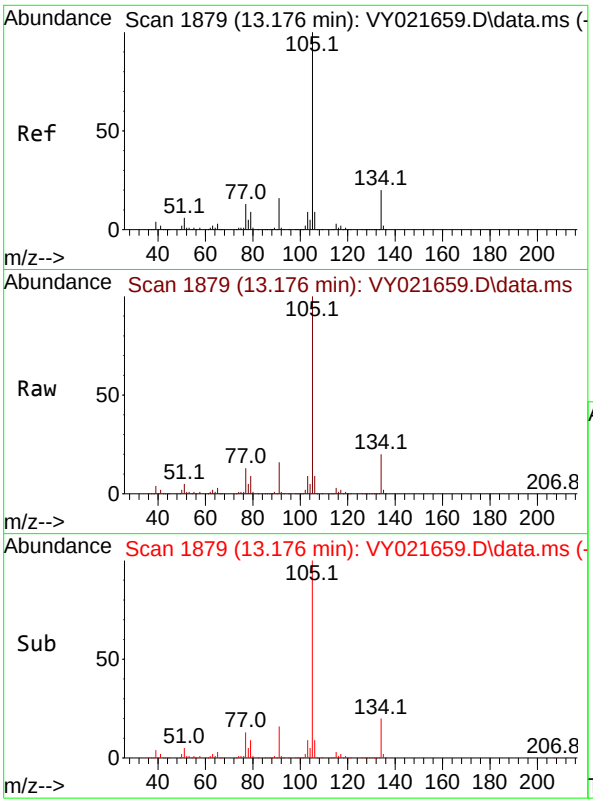


#84
1,2,4-Trimethylbenzene
Concen: 52.248 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:105 Resp: 526387

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1





#85
sec-Butylbenzene
Concen: 51.820 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

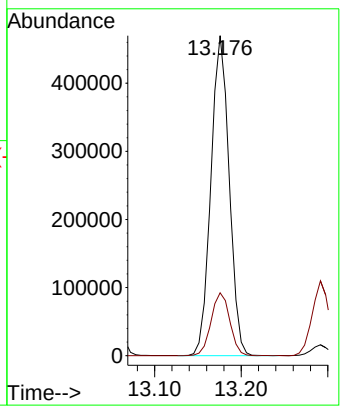
Tgt Ion:105 Resp: 68757

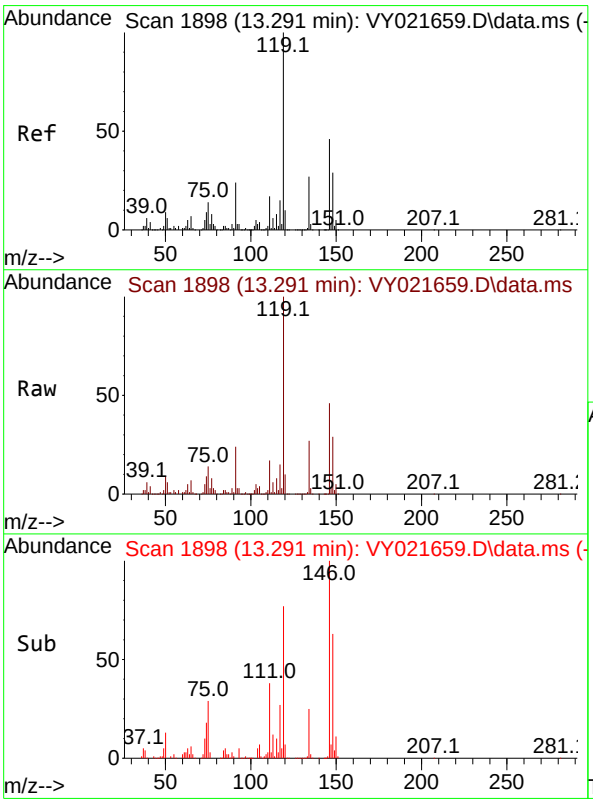
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

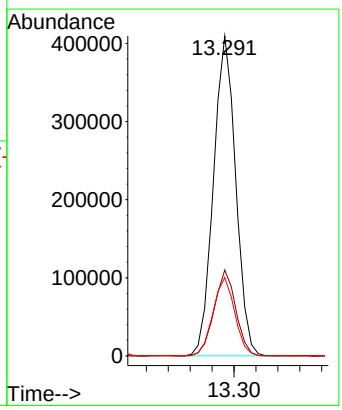


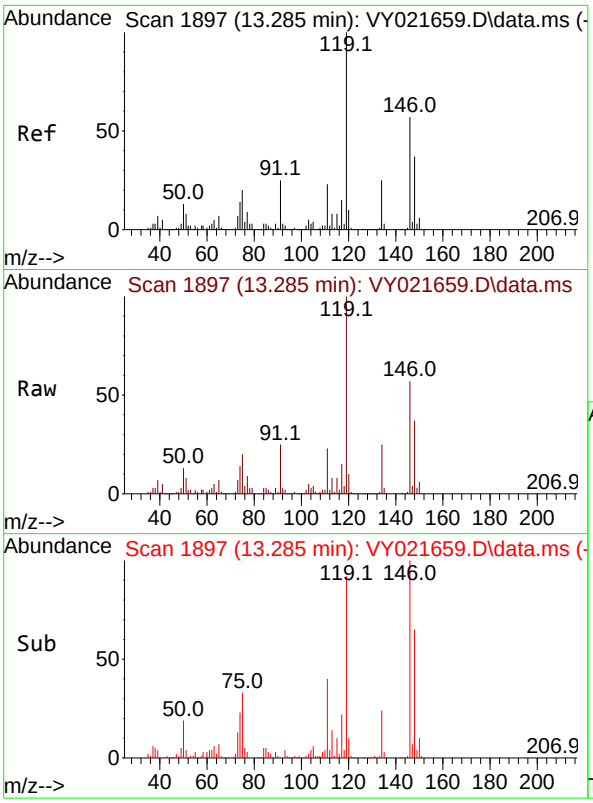


#86
p-Isopropyltoluene
Concen: 52.525 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:119 Resp: 576012

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	24.0	12.0	36.0

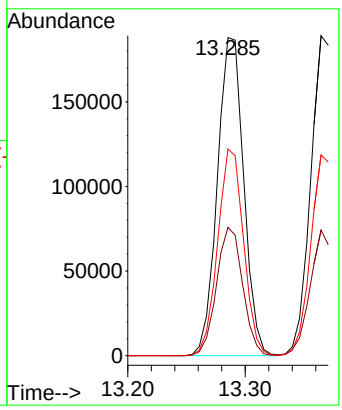




#87
1,3-Dichlorobenzene
Concen: 49.752 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:146 Resp: 29353

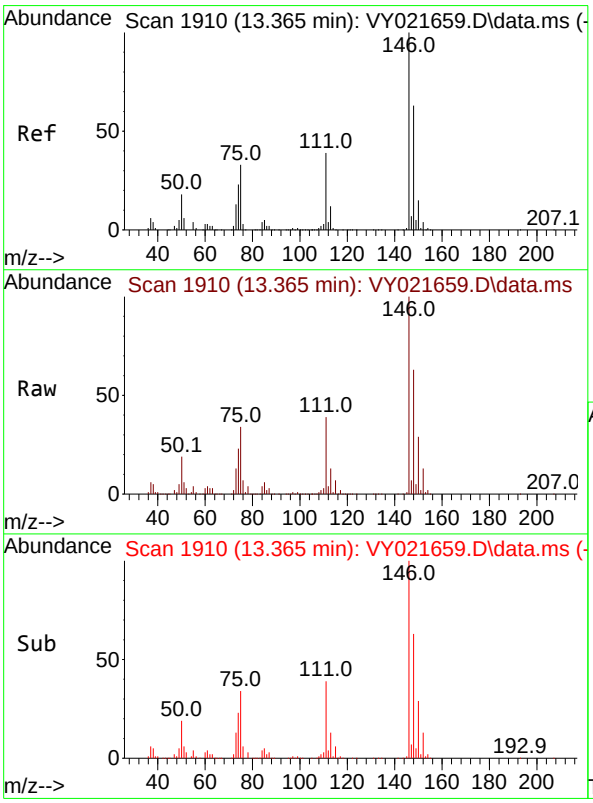
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.6	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

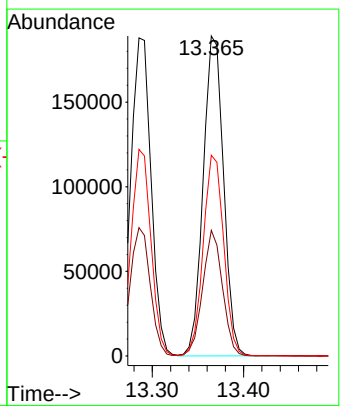
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

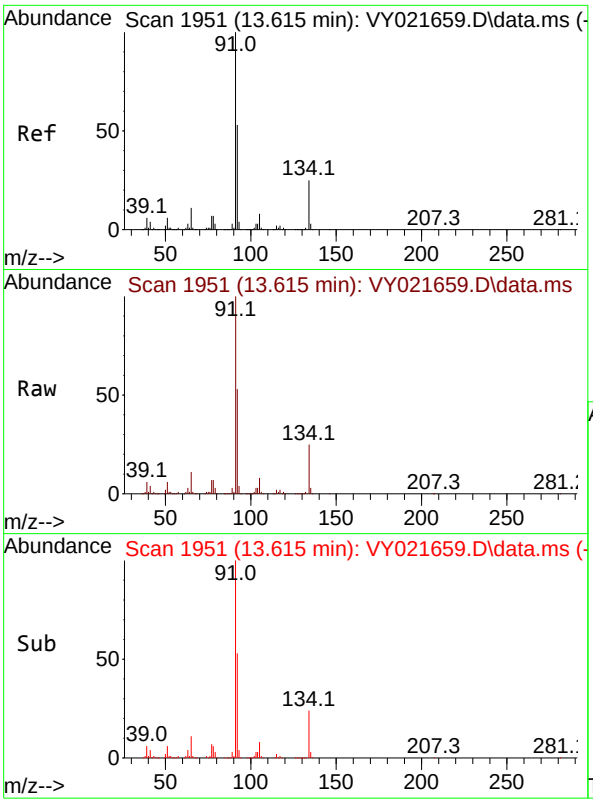


#88
1,4-Dichlorobenzene
Concen: 50.147 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:146 Resp: 292315

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	63.0	31.5	94.5

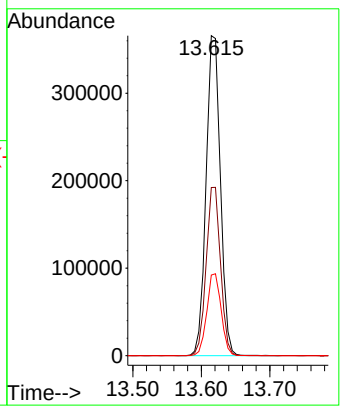




#89
n-Butylbenzene
Concen: 52.544 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 91 Resp: 53289

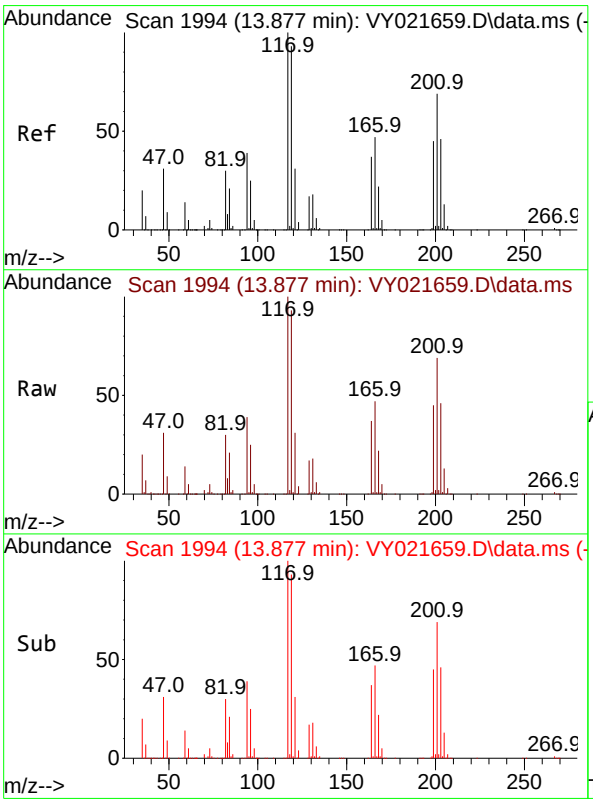
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.6	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

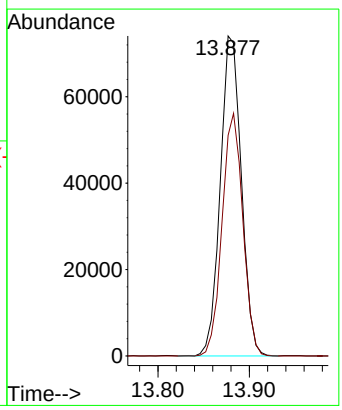
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

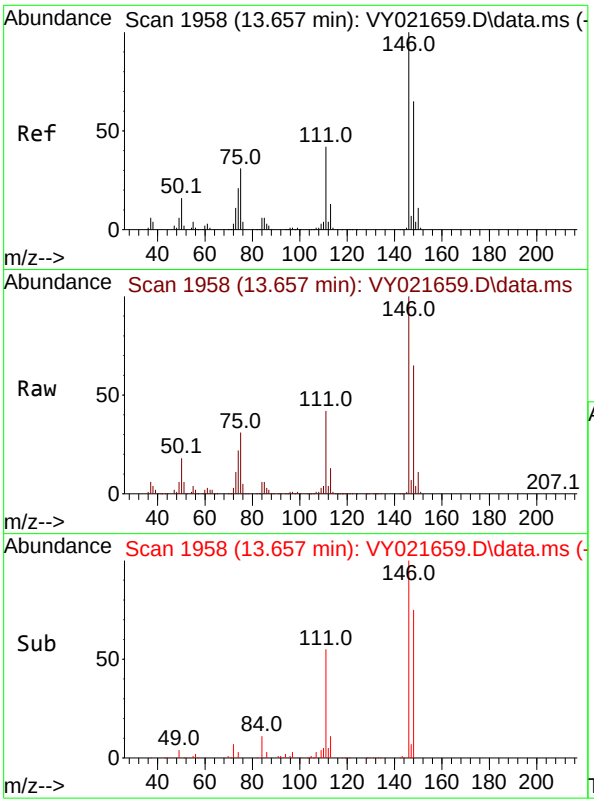


#90
Hexachloroethane
Concen: 49.396 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:117 Resp: 118708

Ion	Ratio	Lower	Upper
117	100		
201	74.7	37.4	112.1

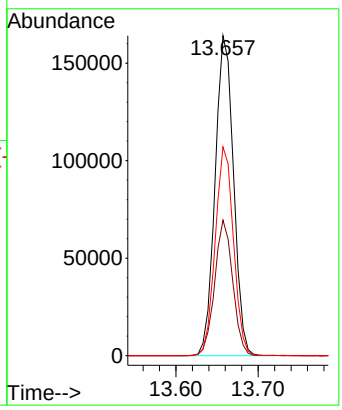




#91
1,2-Dichlorobenzene
Concen: 49.821 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:146 Resp: 25587

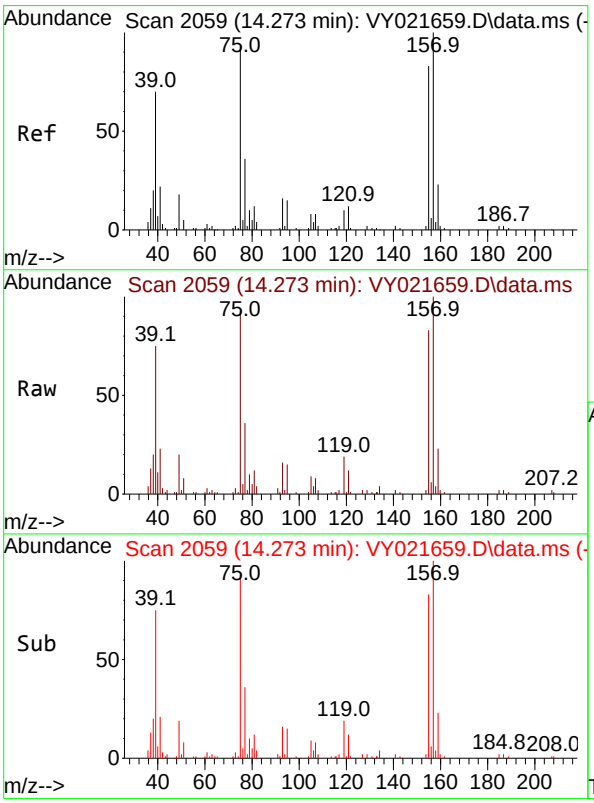
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	64.6	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

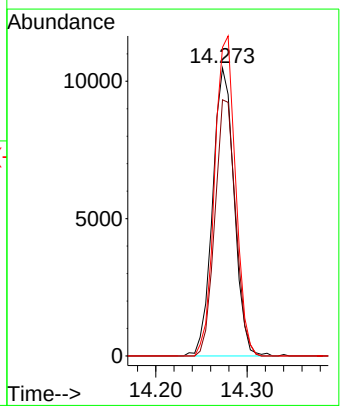
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

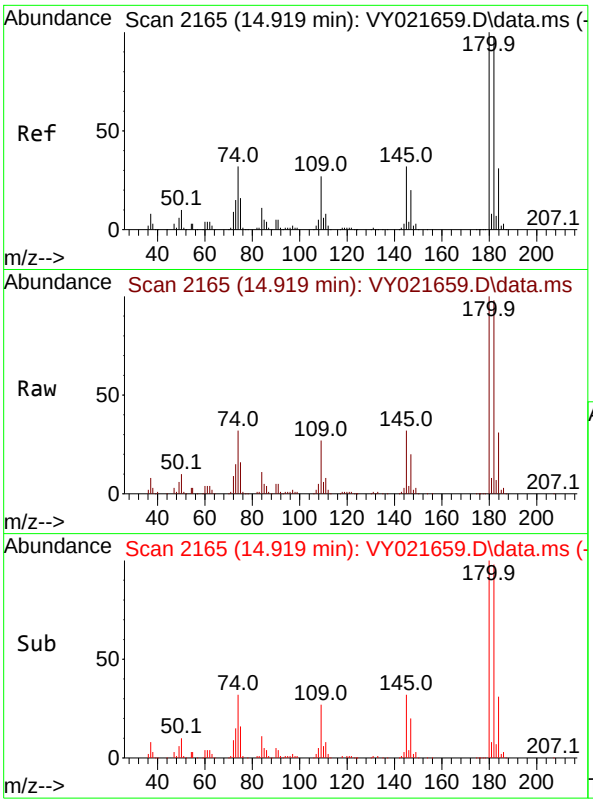


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.268 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion: 75 Resp: 17123

Ion	Ratio	Lower	Upper
75	100		
155	85.9	43.0	128.8
157	108.0	54.0	162.0





#93
1,2,4-Trichlorobenzene
Concen: 52.935 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

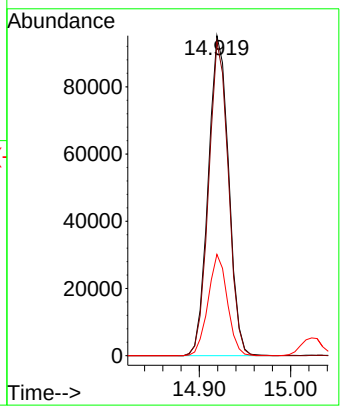
Tgt Ion:180 Resp: 14743

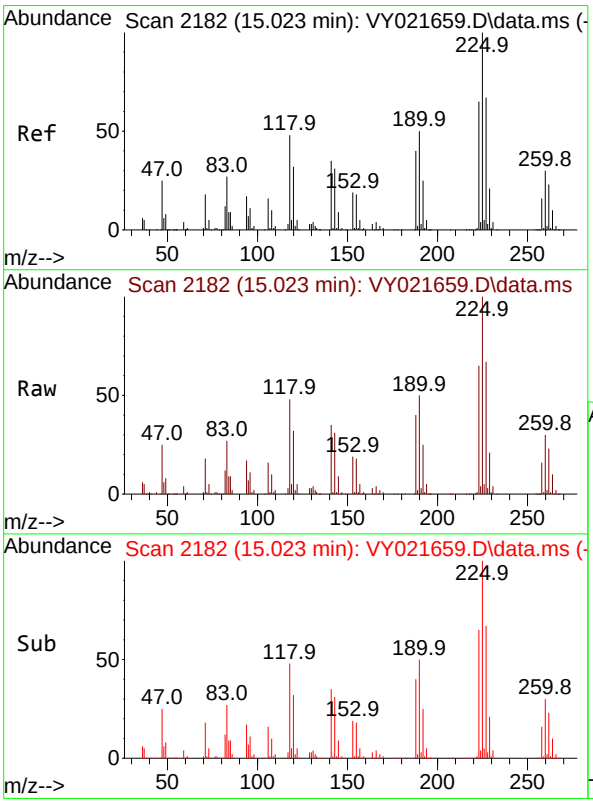
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	29.9	14.9	44.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

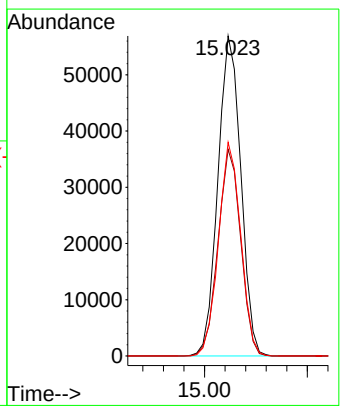


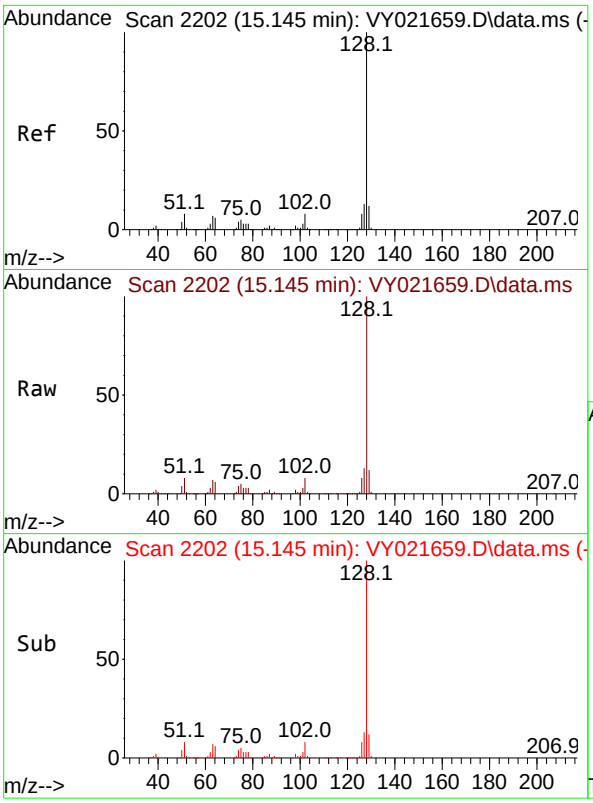


#94
Hexachlorobutadiene
Concen: 50.642 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:225 Resp: 88090

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	64.7	32.4	97.0

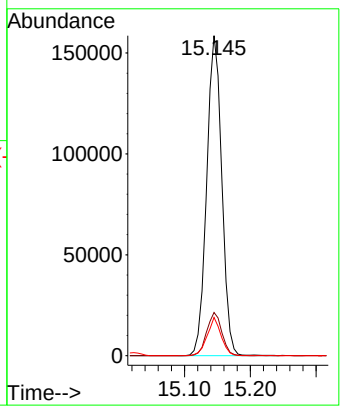




#95
Naphthalene
Concen: 54.848 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:128 Resp: 25320

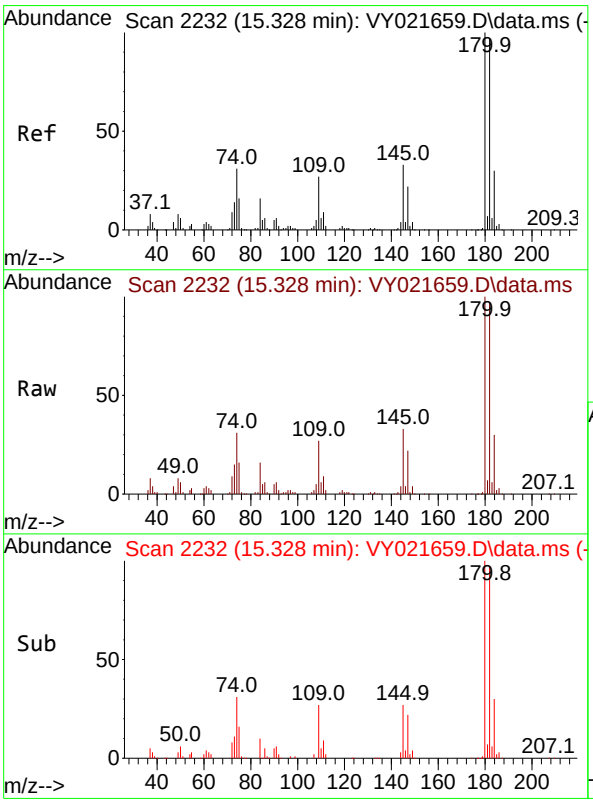
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.0	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

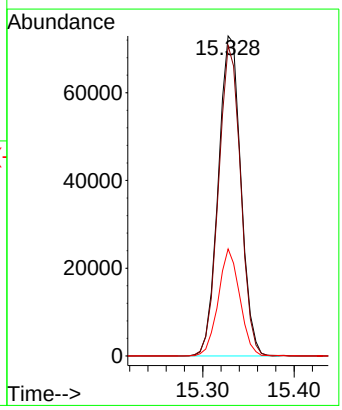
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.754 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021659.D
Acq: 27 Mar 2025 11:16

Tgt Ion:180 Resp: 125294

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.5
145	31.8	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	248041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	339201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	168901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	252968	94.129	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 188.260%#			
35) Dibromofluoromethane	7.634	113	247380	100.177	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 200.360%#			
50) Toluene-d8	10.103	98	953346	101.480	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 202.960%#			
62) 4-Bromofluorobenzene	12.408	95	322469	101.481	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 202.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	240555	93.569	ug/l	100
3) Chloromethane	2.068	50	333313	92.202	ug/l	100
4) Vinyl Chloride	2.202	62	375853	91.934	ug/l	100
5) Bromomethane	2.586	94	245057	87.885	ug/l	97
6) Chloroethane	2.733	64	242934	90.810	ug/l	97
7) Trichlorofluoromethane	3.056	101	479554	91.568	ug/l	97
8) Diethyl Ether	3.452	74	127148	89.276	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	252877	91.550	ug/l	100
10) Methyl Iodide	4.001	142	313241	103.371	ug/l	99
11) Tert butyl alcohol	4.854	59	72464	415.131	ug/l	97
12) 1,1-Dichloroethene	3.787	96	245873	94.504	ug/l	98
13) Acrolein	3.647	56	145527	456.581	ug/l	99
14) Allyl chloride	4.379	41	403587	97.292	ug/l	99
15) Acrylonitrile	5.061	53	269979	454.005	ug/l	99
16) Acetone	3.867	43	215263	391.376	ug/l	98
17) Carbon Disulfide	4.104	76	805100	93.952	ug/l	98
18) Methyl Acetate	4.379	43	120373	88.304	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	622864	96.160	ug/l	100
20) Methylene Chloride	4.616	84	257053	99.325	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	273524	95.485	ug/l	98
22) Diisopropyl ether	6.019	45	855783	98.345	ug/l	97
23) Vinyl Acetate	5.958	43	2490861	489.304	ug/l	99
24) 1,1-Dichloroethane	5.915	63	492205	94.595	ug/l	99
25) 2-Butanone	6.890	43	348017	442.999	ug/l	99
26) 2,2-Dichloropropane	6.884	77	439519	94.960	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	312849	97.115	ug/l	100
28) Bromochloromethane	7.244	49	208162	94.860	ug/l	99
29) Tetrahydrofuran	7.262	42	231439	457.752	ug/l	98
30) Chloroform	7.421	83	509194	94.087	ug/l	98
31) Cyclohexane	7.701	56	439720	92.706	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	460680	94.182	ug/l	99
36) 1,1-Dichloropropene	7.835	75	368741	98.035	ug/l	99
37) Ethyl Acetate	6.982	43	160700	90.529	ug/l	100
38) Carbon Tetrachloride	7.817	117	416779	96.746	ug/l	99
39) Methylcyclohexane	9.110	83	465789	103.663	ug/l	98
40) Benzene	8.079	78	1100425	97.692	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	86888	92.176	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	298349	93.952	ug/l		100
43) Isopropyl Acetate	8.195	43	320092	95.153	ug/l		99
44) Trichloroethene	8.866	130	278937	97.190	ug/l		99
45) 1,2-Dichloropropane	9.140	63	259066	97.163	ug/l		99
46) Dibromomethane	9.231	93	145186	94.482	ug/l		97
47) Bromodichloromethane	9.420	83	386864	97.159	ug/l		99
48) Methyl methacrylate	9.219	41	157046	101.718	ug/l		98
49) 1,4-Dioxane	9.225	88	31647	1922.485	ug/l		92
51) 4-Methyl-2-Pentanone	10.000	43	846126	483.331	ug/l		100
52) Toluene	10.170	92	706197	100.486	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	361283	102.153	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	418099	100.208	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	187977	95.058	ug/l		97
56) Ethyl methacrylate	10.439	69	271036	107.339	ug/l		98
57) 1,3-Dichloropropane	10.719	76	329063	96.352	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	657953	534.142	ug/l		100
59) 2-Hexanone	10.762	43	565086	484.686	ug/l		99
60) Dibromochloromethane	10.908	129	265151	98.207	ug/l		100
61) 1,2-Dibromoethane	11.012	107	177158	95.501	ug/l		98
64) Tetrachloroethene	10.646	164	279279	90.401	ug/l		98
65) Chlorobenzene	11.438	112	757197	97.381	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	271119	98.275	ug/l		100
67) Ethyl Benzene	11.518	91	1372249	102.918	ug/l		100
68) m/p-Xylenes	11.627	106	1050156	205.681	ug/l		99
69) o-Xylene	11.957	106	491895	104.369	ug/l		98
70) Styrene	11.969	104	833734	106.098	ug/l		99
71) Bromoform	12.133	173	152683	97.024	ug/l		100
73) Isopropylbenzene	12.255	105	1298221	103.486	ug/l		100
74) N-amyl acetate	12.072	43	303328	103.027	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	209094	92.706	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	152979m	91.372	ug/l		
77) Bromobenzene	12.530	156	299163	99.323	ug/l		98
78) n-propylbenzene	12.597	91	1557825	103.290	ug/l		100
79) 2-Chlorotoluene	12.676	91	879334	100.382	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1060963	103.480	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	71448	98.330	ug/l		99
82) 4-Chlorotoluene	12.780	91	910295	99.676	ug/l		99
83) tert-Butylbenzene	12.999	119	956705	104.762	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1052663	103.880	ug/l		100
85) sec-Butylbenzene	13.176	105	1369601	102.624	ug/l		100
86) p-Isopropyltoluene	13.292	119	1163796	105.509	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	583838	98.384	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	565293	96.416	ug/l		99
89) n-Butylbenzene	13.615	91	1069356	104.828	ug/l		100
90) Hexachloroethane	13.877	117	239487	99.078	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	502045	97.186	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32558	93.136	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	293988	104.943	ug/l		99
94) Hexachlorobutadiene	15.023	225	172909	98.829	ug/l		99
95) Naphthalene	15.145	128	508449	109.498	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	248821	104.158	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

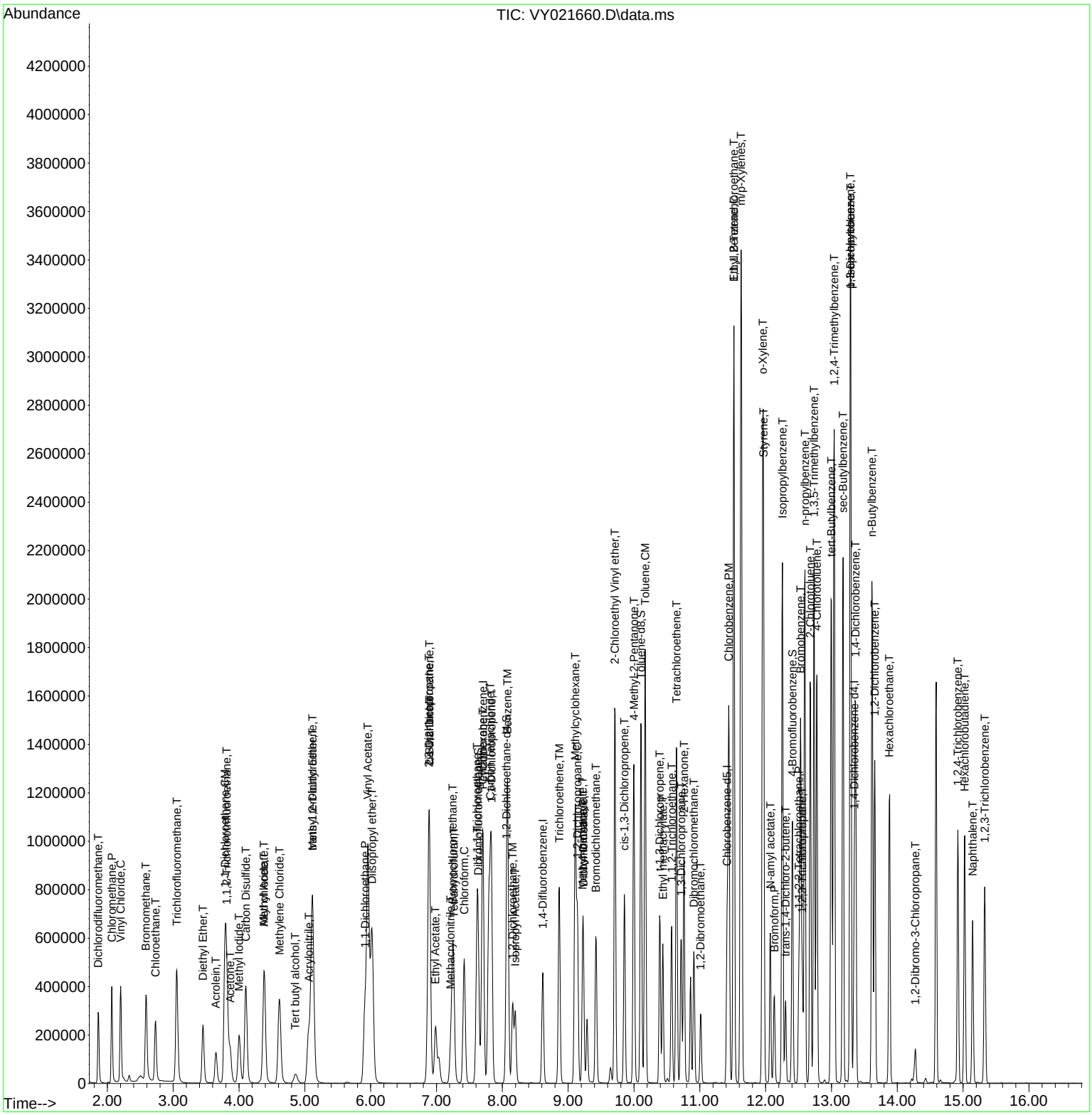
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Data File : VY021660.D
Acq On : 27 Mar 2025 11:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

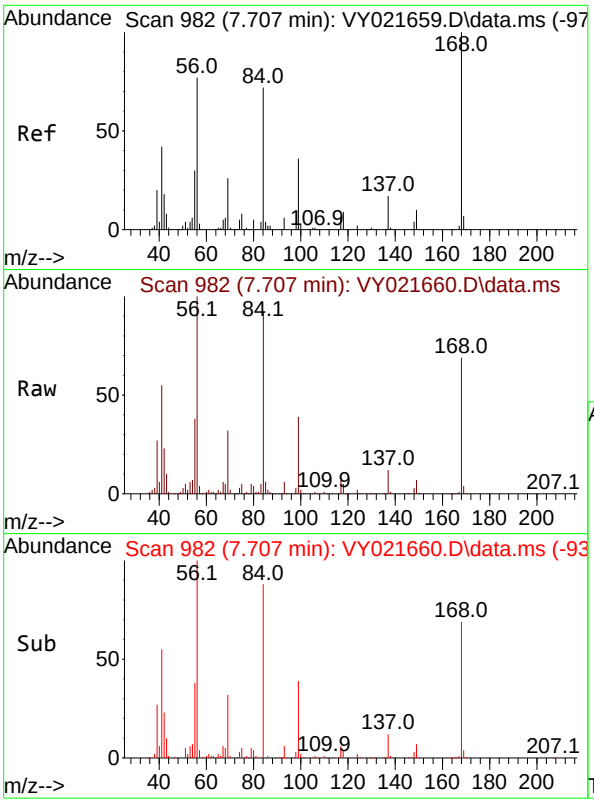
Quant Time: Mar 28 02:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

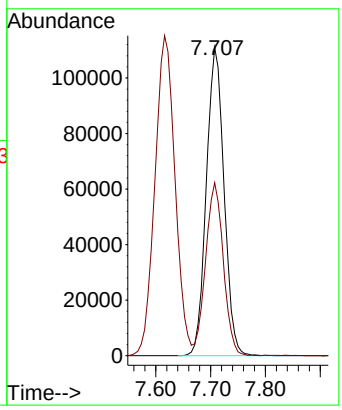




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:168 Resp: 24804

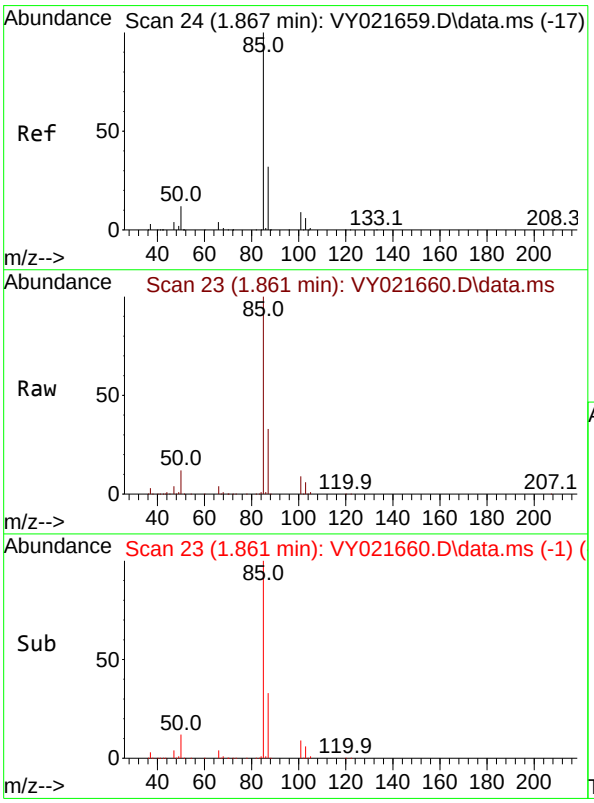
Ion	Ratio	Lower	Upper
168	100		
99	56.0	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

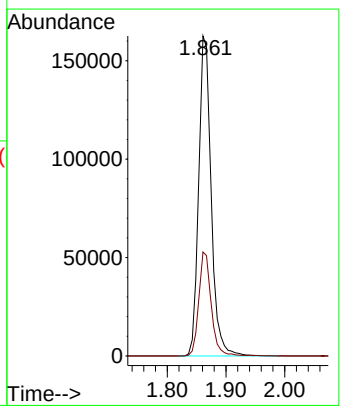
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

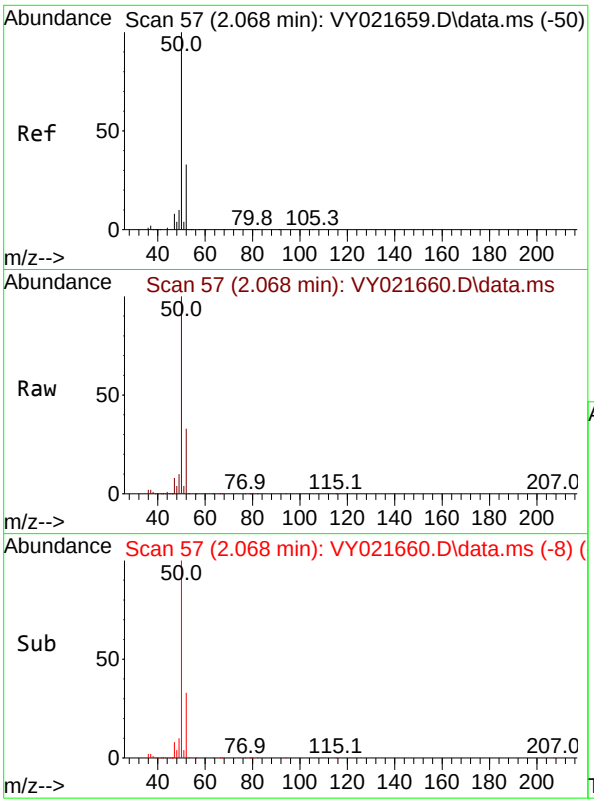


#2
Dichlorodifluoromethane
Concen: 93.569 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 85 Resp: 240555

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.2	48.6

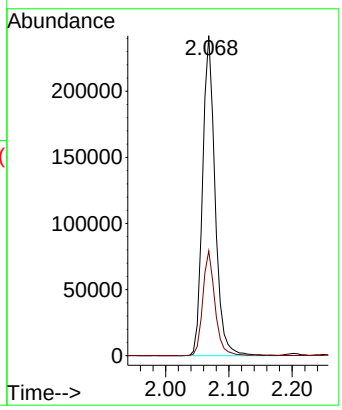




#3
Chloromethane
Concen: 92.202 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 50 Resp: 33331

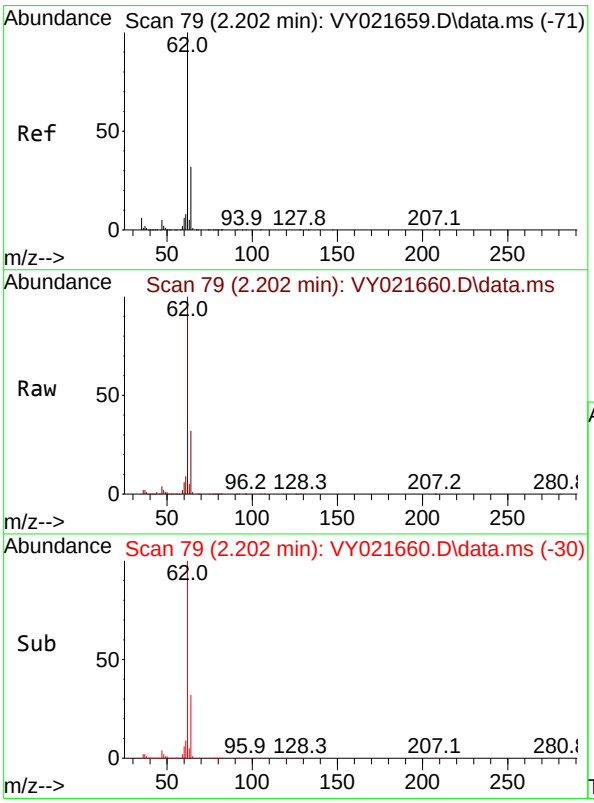
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

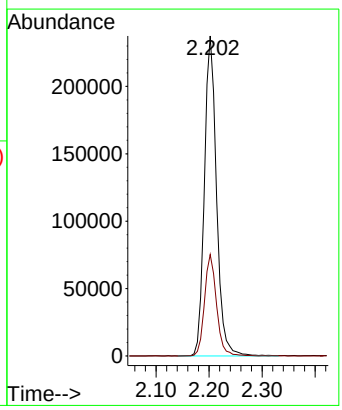
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

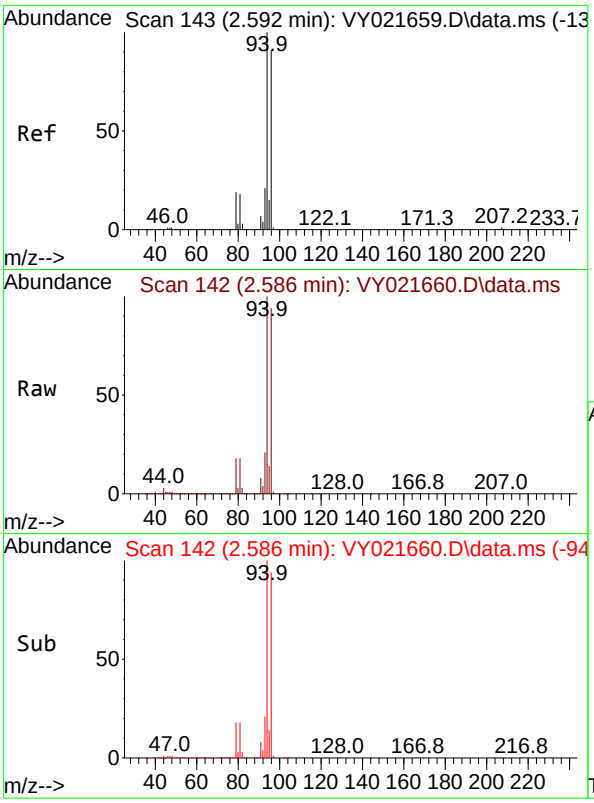


#4
Vinyl Chloride
Concen: 91.934 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 62 Resp: 375853

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.5	38.3

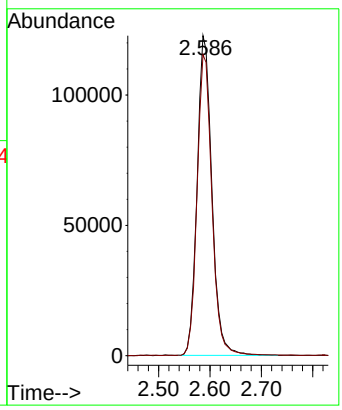




#5
Bromomethane
Concen: 87.885 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 94 Resp: 24505

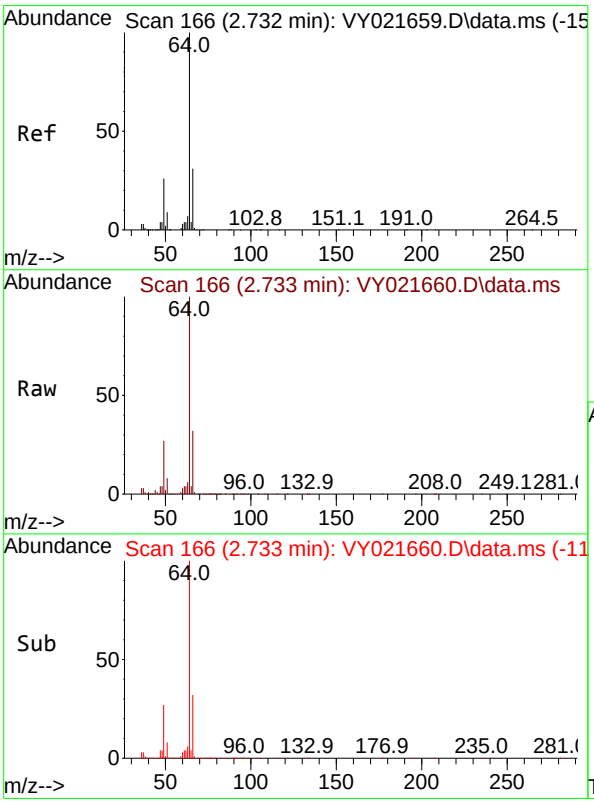
Ion	Ratio	Lower	Upper
94	100		
96	94.0	72.8	109.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

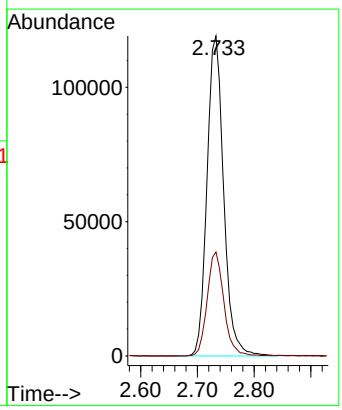
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

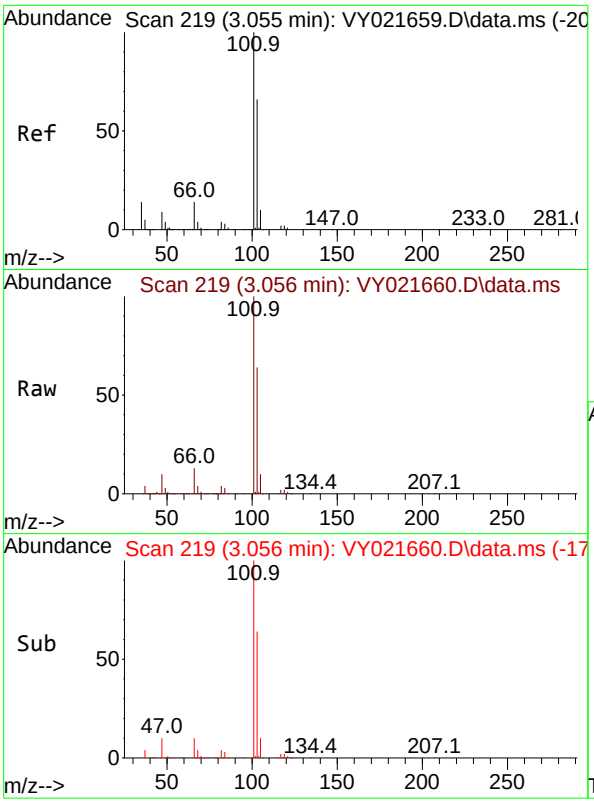


#6
Chloroethane
Concen: 90.810 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 64 Resp: 242934

Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.9	37.3

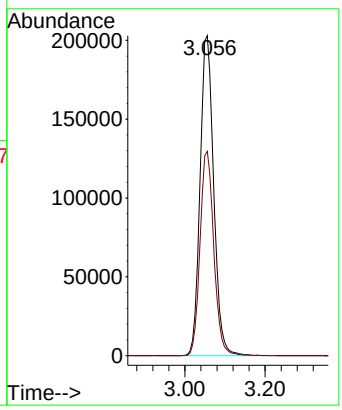




#7
Trichlorofluoromethane
Concen: 91.568 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:101 Resp: 47955

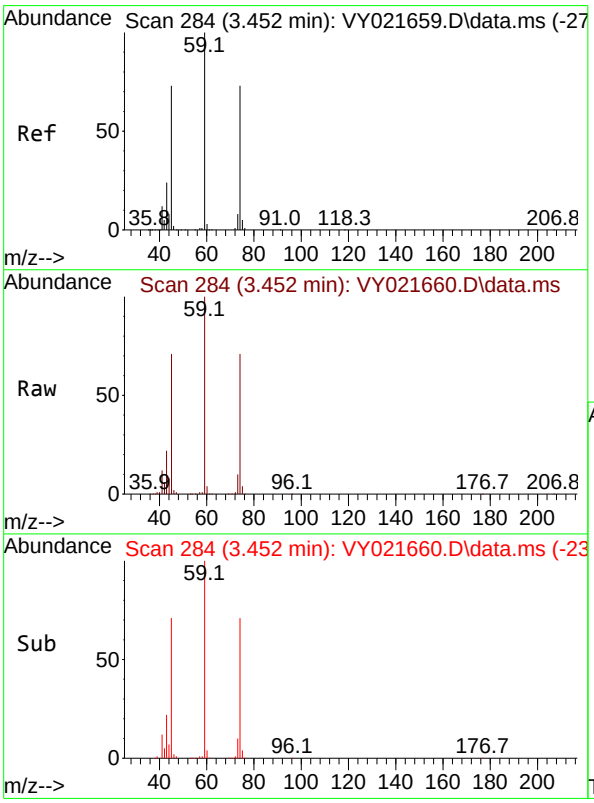
Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

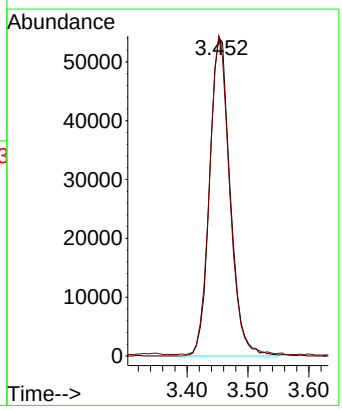
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

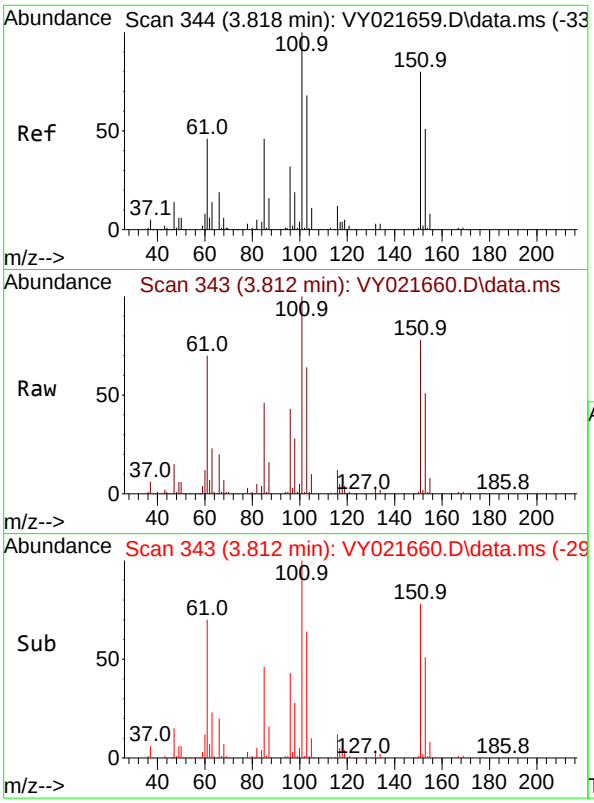


#8
Diethyl Ether
Concen: 89.276 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 74 Resp: 127148

Ion	Ratio	Lower	Upper
74	100		
45	97.6	48.6	145.8

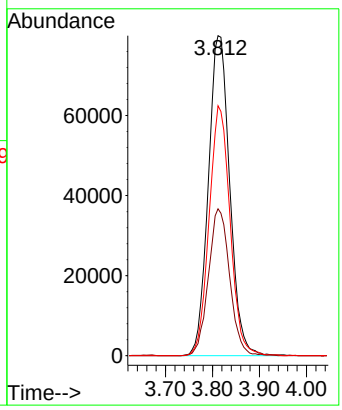




#9
1,1,2-Trichlorotrifluoroethane
Concen: 91.550 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

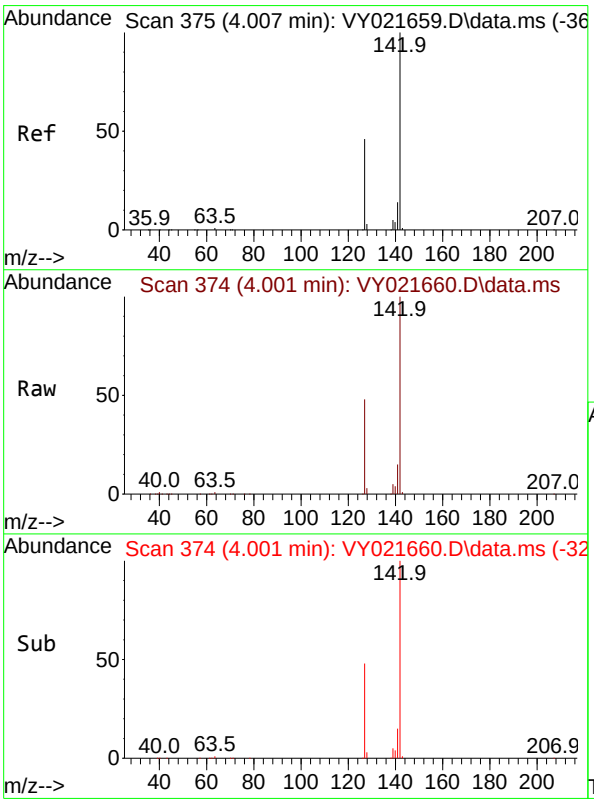
Tgt Ion:101 Resp: 25287

Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.3	54.5
151	76.7	61.3	91.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

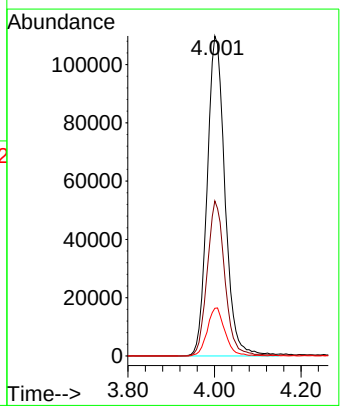
Manual Integrations APPROVED
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

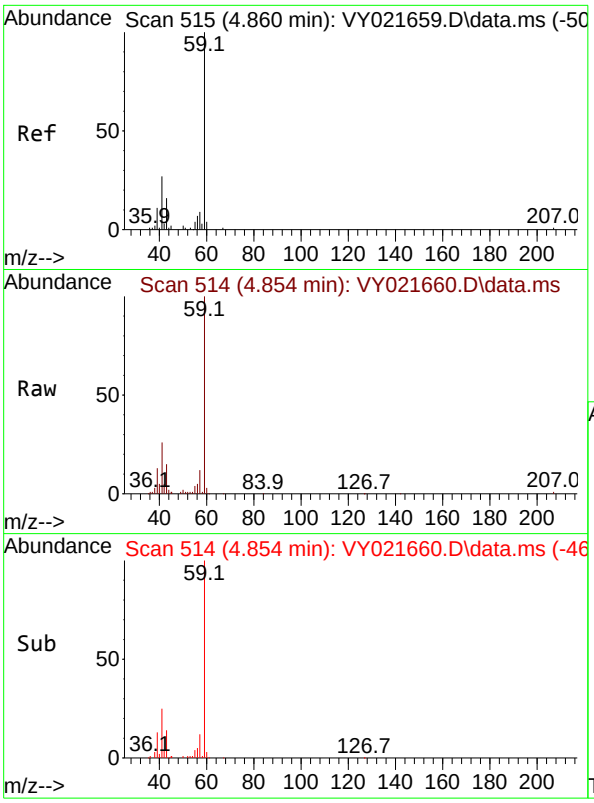


#10
Methyl Iodide
Concen: 103.371 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:142 Resp: 313241

Ion	Ratio	Lower	Upper
142	100		
127	48.2	38.7	58.1
141	15.0	11.5	17.3

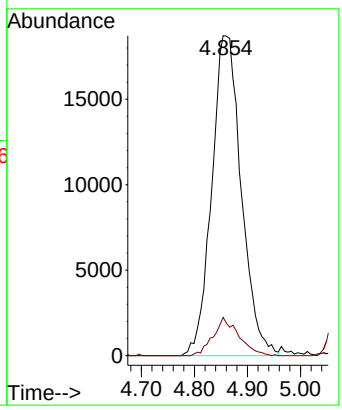




#11
Tert butyl alcohol
Concen: 415.131 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 59 Resp: 7246

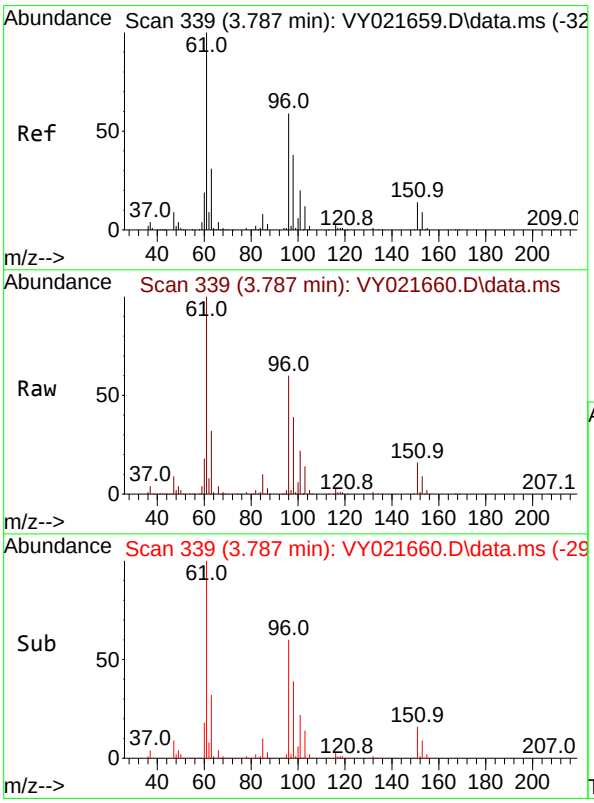
Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

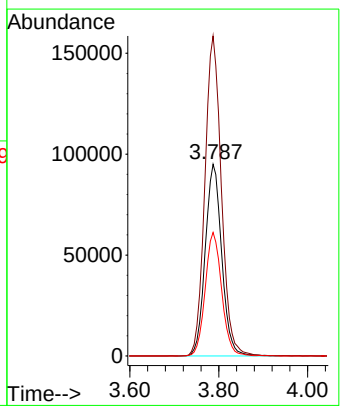
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

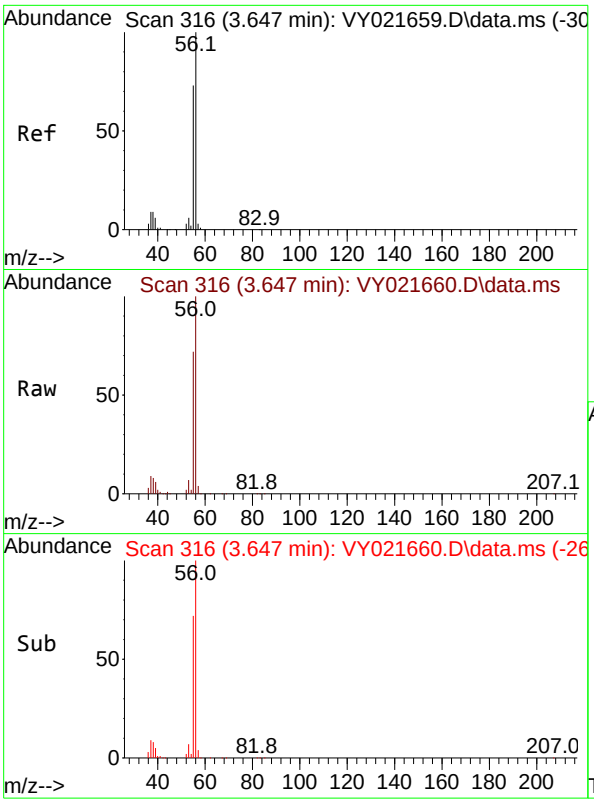


#12
1,1-Dichloroethene
Concen: 94.504 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 96 Resp: 245873

Ion	Ratio	Lower	Upper
96	100		
61	166.9	136.6	204.8
98	64.4	52.3	78.5

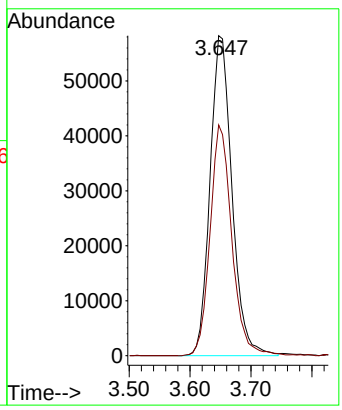




#13
Acrolein
Concen: 456.581 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 56 Resp: 14552

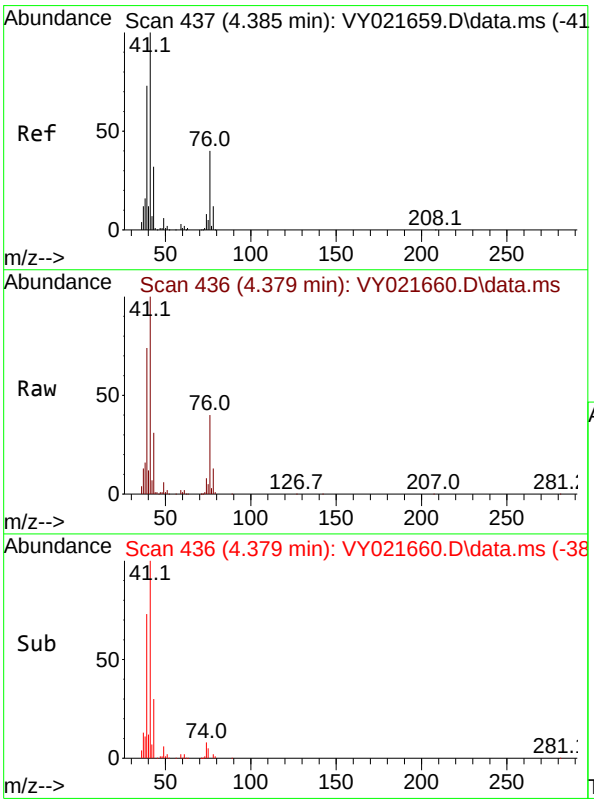
Ion	Ratio	Lower	Upper
56	100		
55	71.5	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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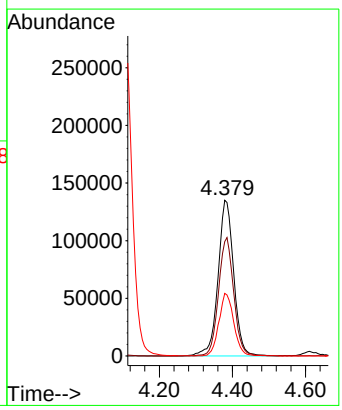
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

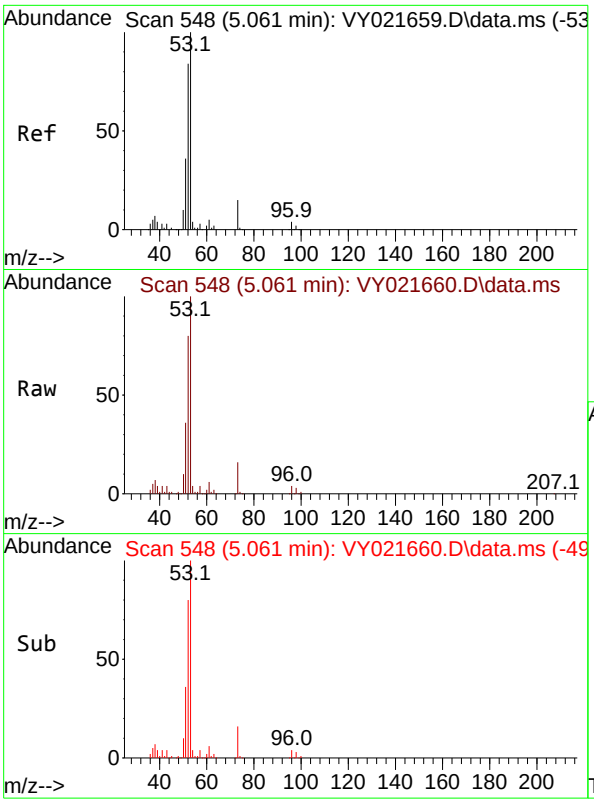


#14
Allyl chloride
Concen: 97.292 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 41 Resp: 403587

Ion	Ratio	Lower	Upper
41	100		
39	74.0	58.6	88.0
76	38.3	30.3	45.5





#15
Acrylonitrile
Concen: 454.005 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

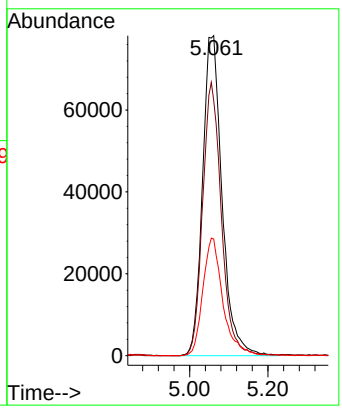
Tgt Ion: 53 Resp: 269979

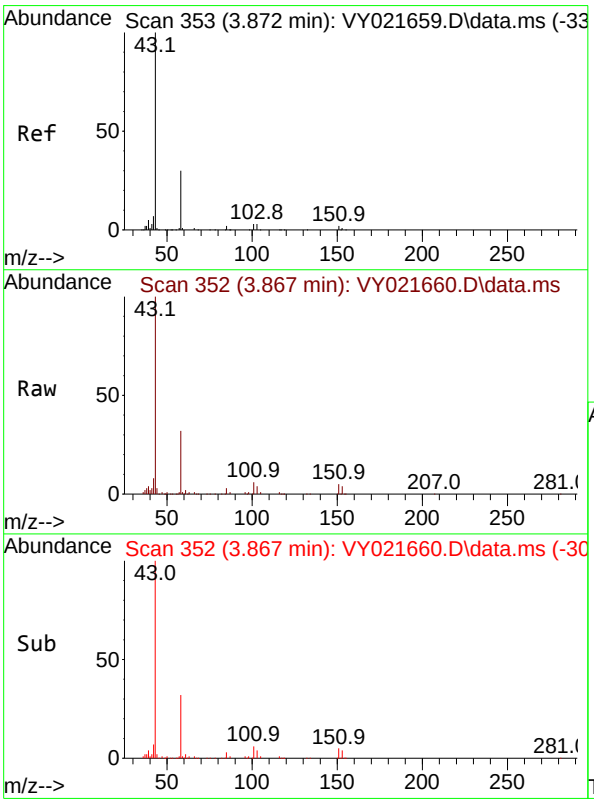
Ion	Ratio	Lower	Upper
53	100		
52	81.8	64.9	97.3
51	37.8	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

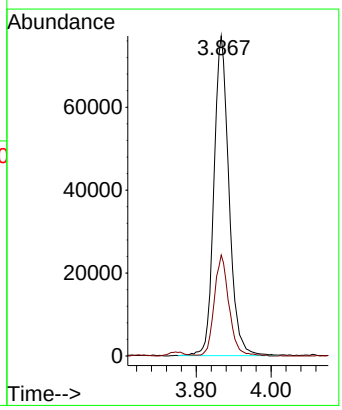


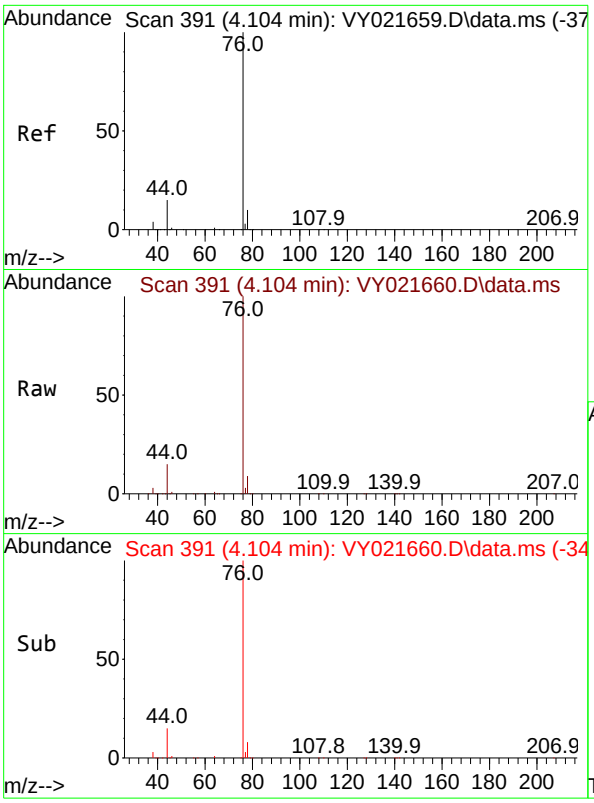


#16
Acetone
Concen: 391.376 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 215263

Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.2	36.4

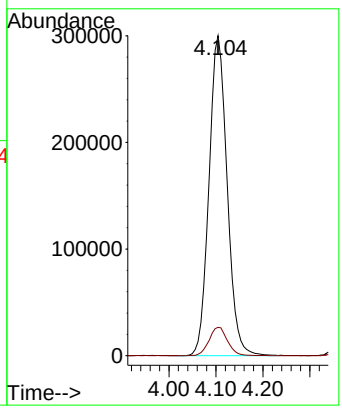




#17
Carbon Disulfide
Concen: 93.952 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 76 Resp: 80510

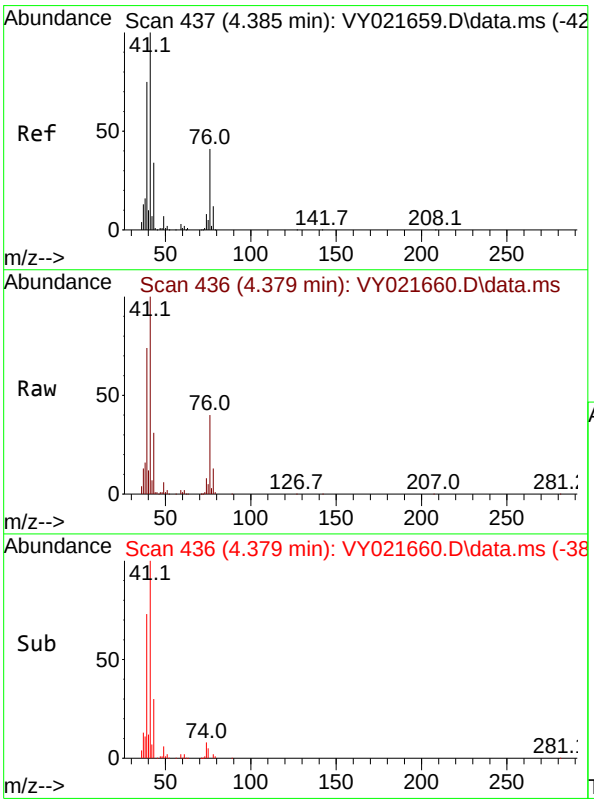
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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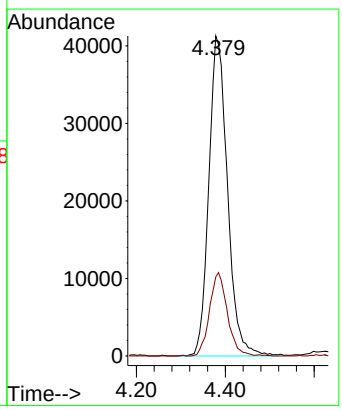
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

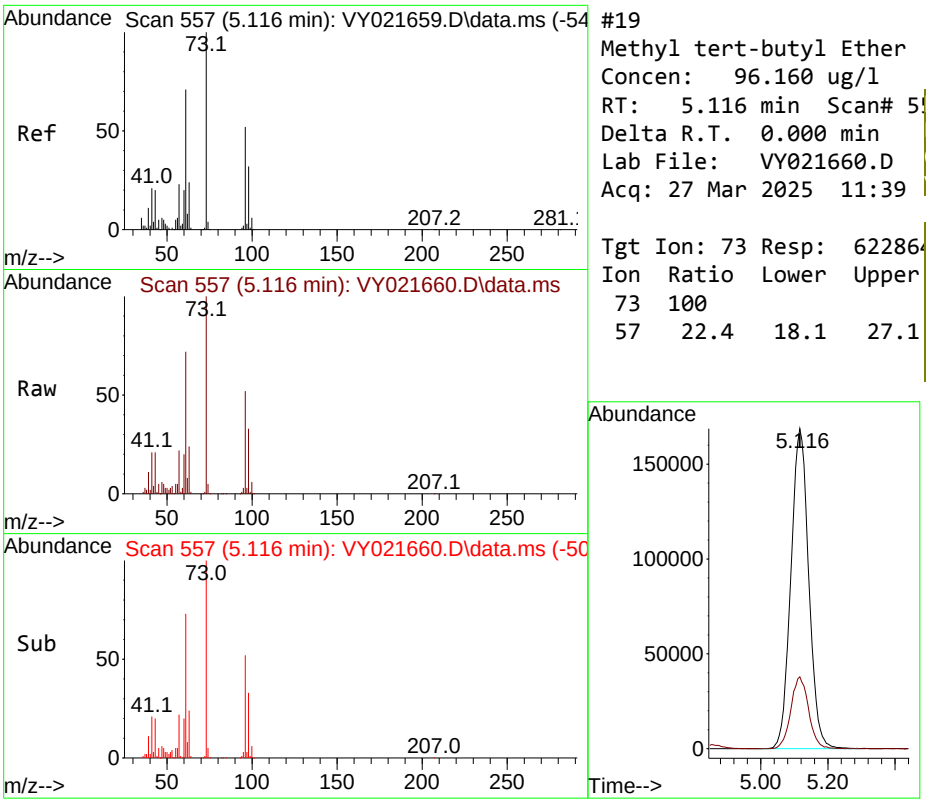


#18
Methyl Acetate
Concen: 88.304 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 120373

Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.1	28.7





#19
Methyl tert-butyl Ether
Concen: 96.160 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

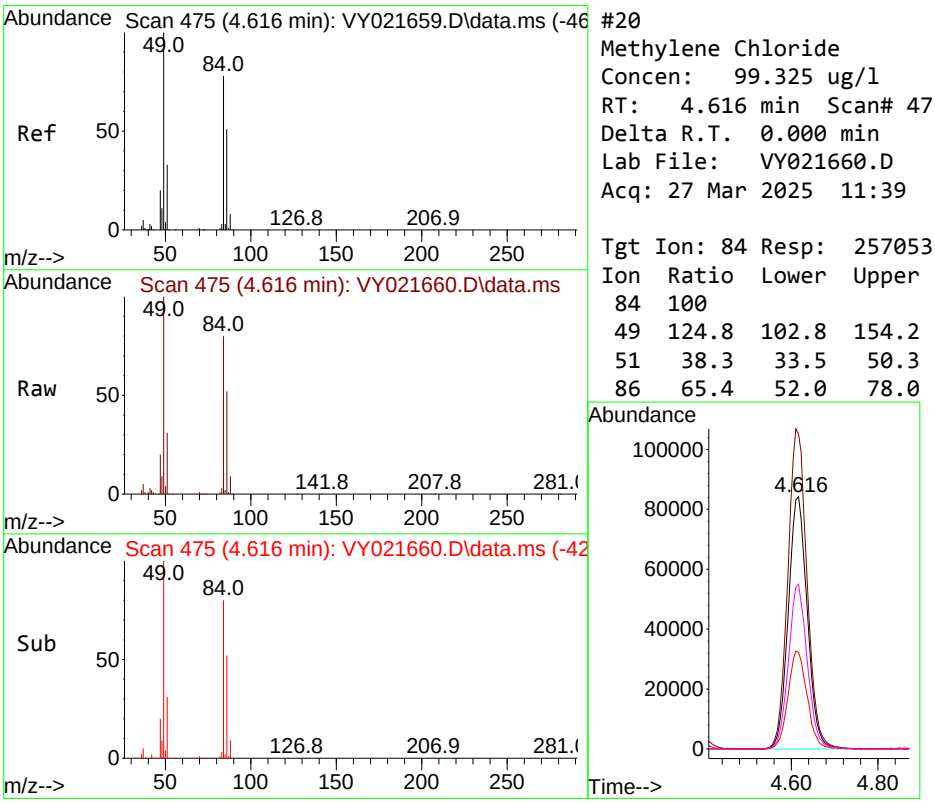
Tgt Ion: 73 Resp: 62286

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.1	27.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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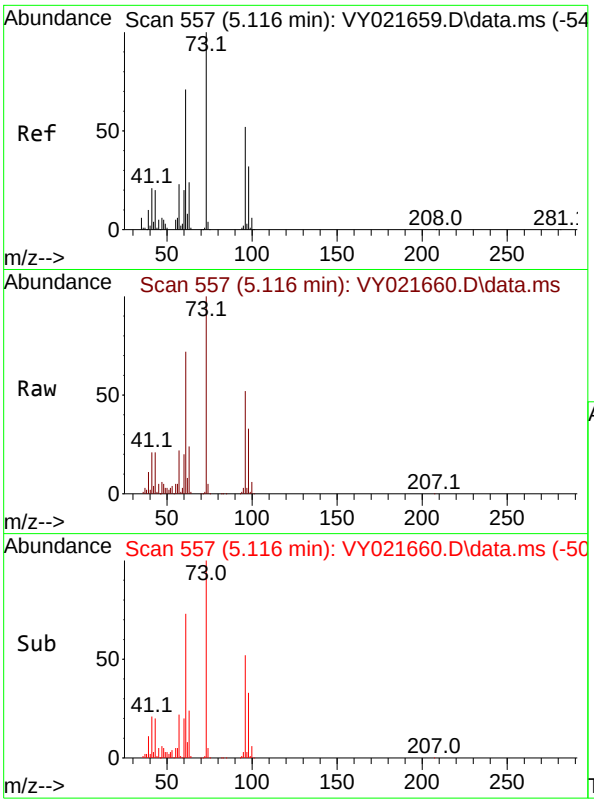
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#20
Methylene Chloride
Concen: 99.325 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 84 Resp: 257053

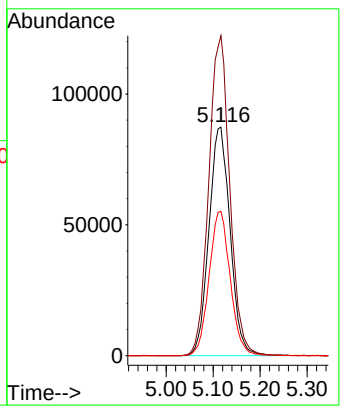
Ion	Ratio	Lower	Upper
84	100		
49	124.8	102.8	154.2
51	38.3	33.5	50.3
86	65.4	52.0	78.0



#21
trans-1,2-Dichloroethene
Concen: 95.485 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 96 Resp: 27352

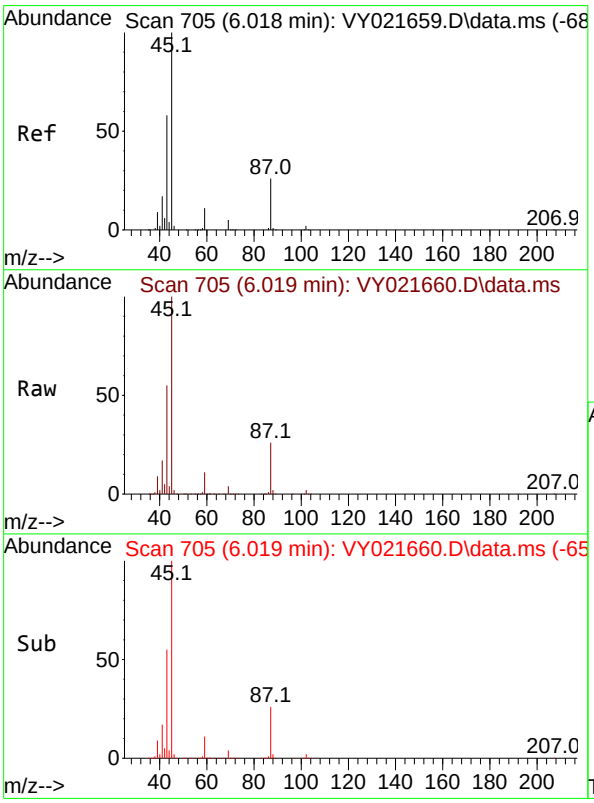
Ion	Ratio	Lower	Upper
96	100		
61	140.0	109.4	164.0
98	63.1	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

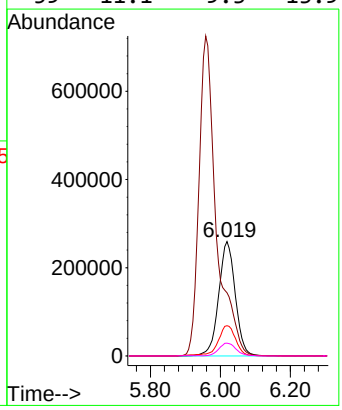
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

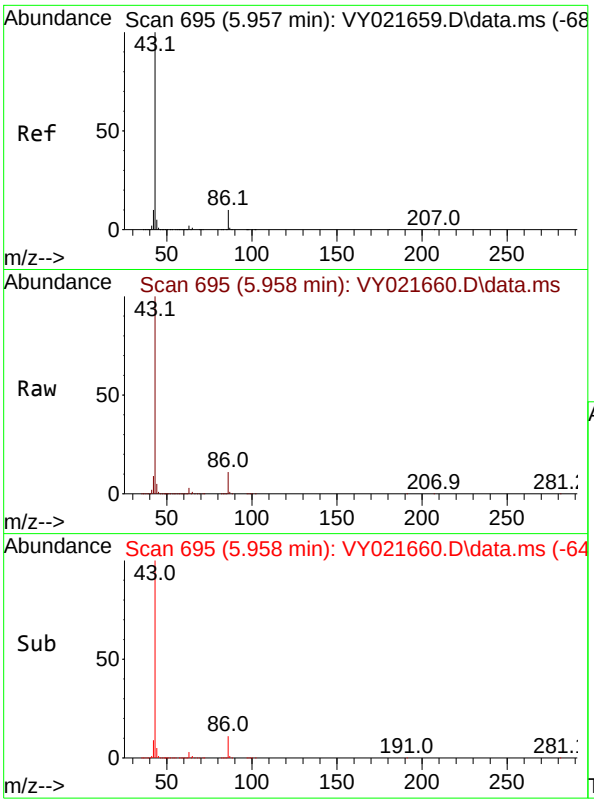


#22
Diisopropyl ether
Concen: 98.345 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 45 Resp: 855783

Ion	Ratio	Lower	Upper
45	100		
43	55.2	46.6	69.8
87	26.5	20.7	31.1
59	11.1	9.3	13.9





#23
Vinyl Acetate
Concen: 489.304 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

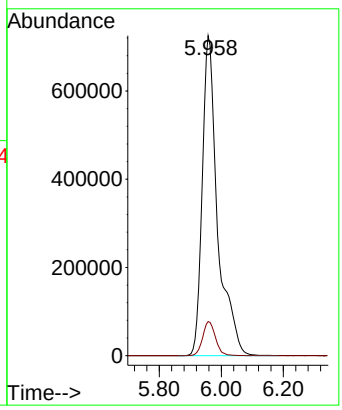
Tgt Ion: 43 Resp: 249086

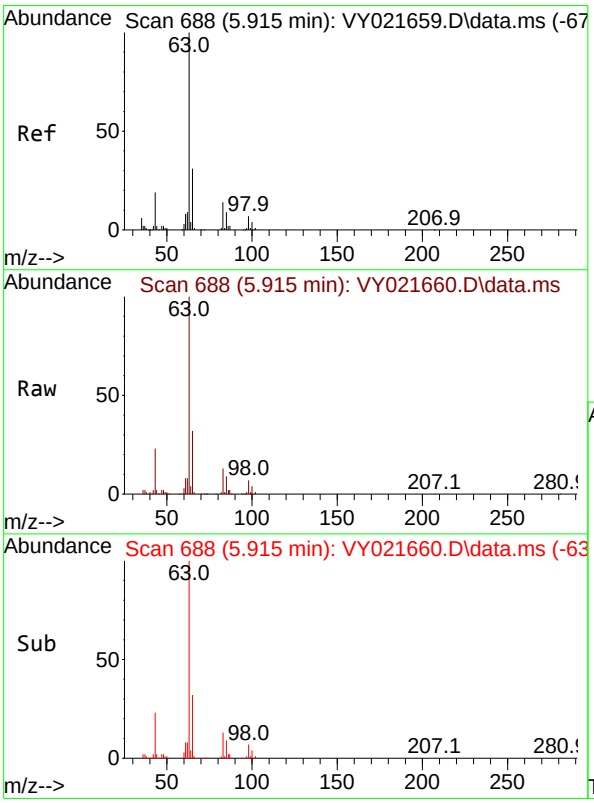
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

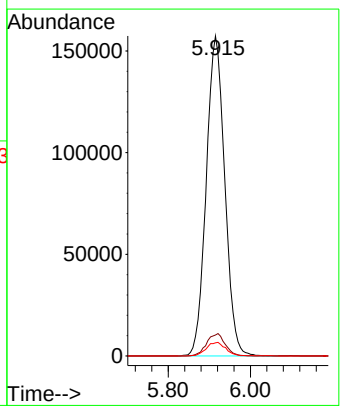


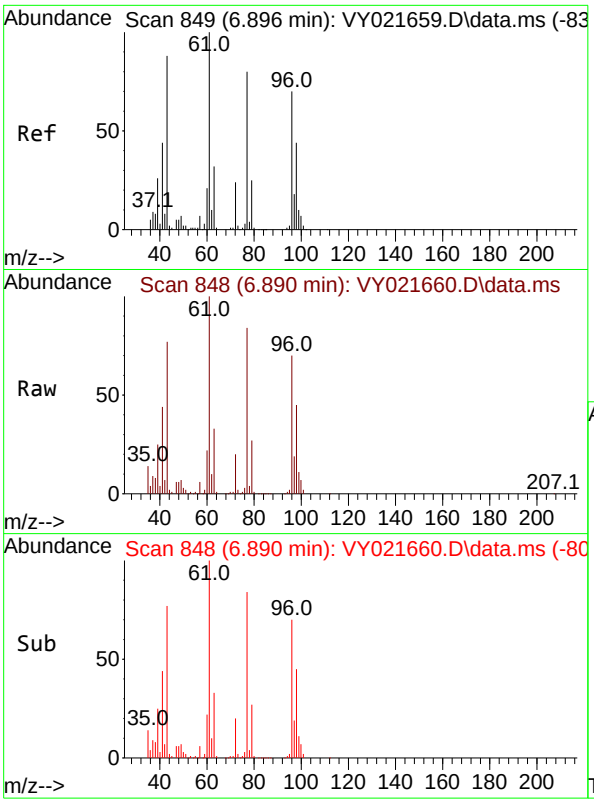


#24
1,1-Dichloroethane
Concen: 94.595 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 63 Resp: 492205

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.5	10.5
100	4.1	2.2	6.6





#25
2-Butanone
Concen: 442.999 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

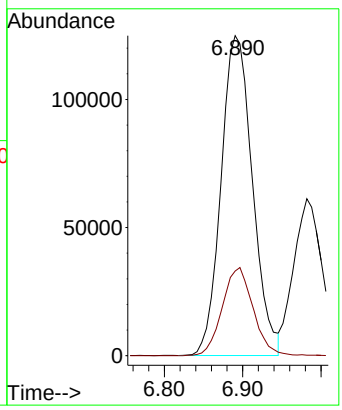
Tgt Ion: 43 Resp: 34801

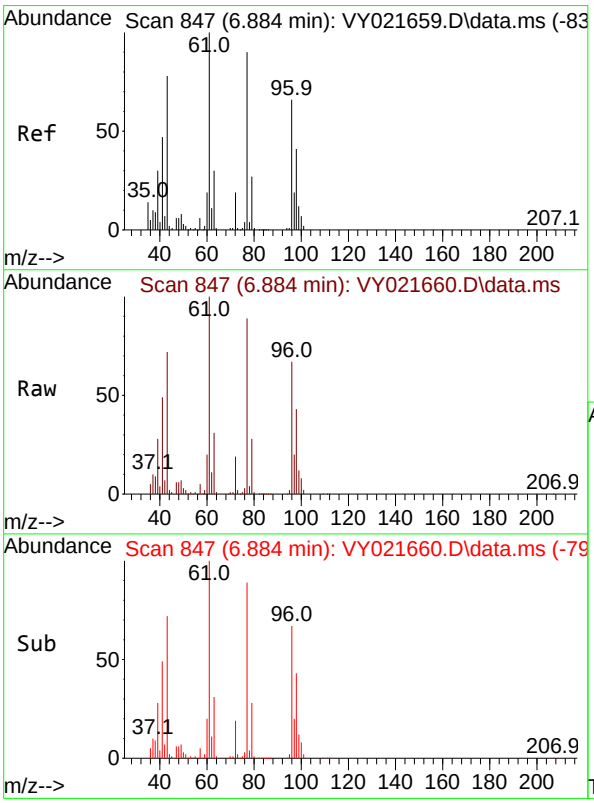
Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

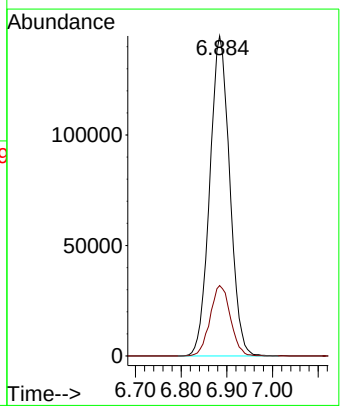


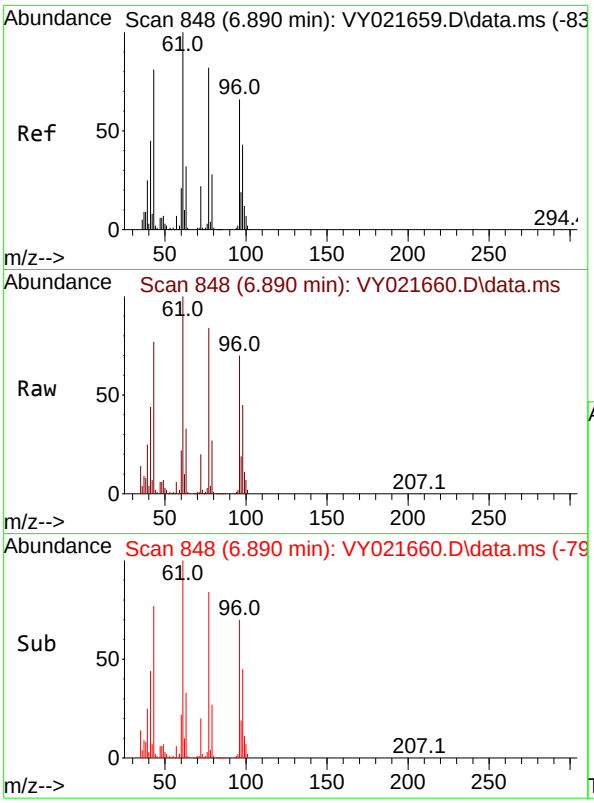


#26
2,2-Dichloropropane
Concen: 94.960 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 77 Resp: 439519

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 97.115 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

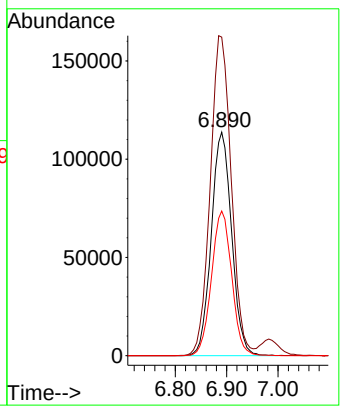
Tgt Ion: 96 Resp: 31284

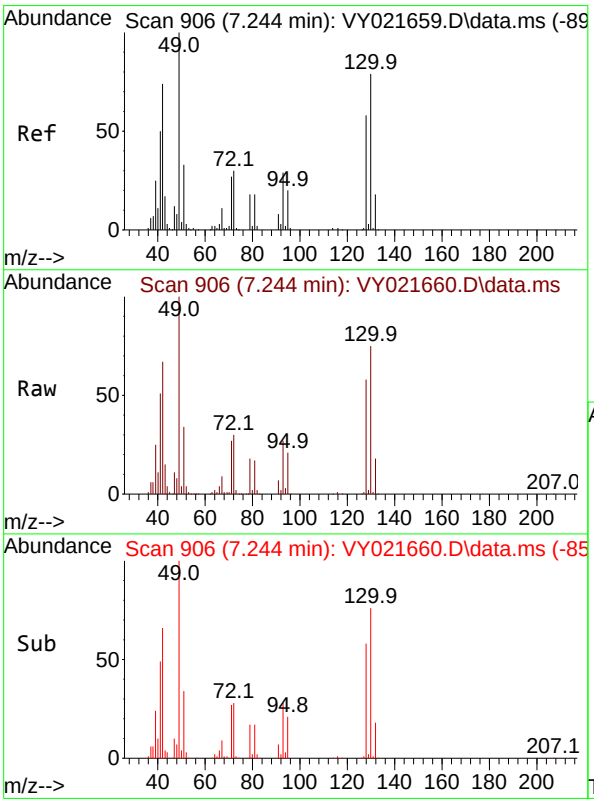
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	296.4
98	64.2	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

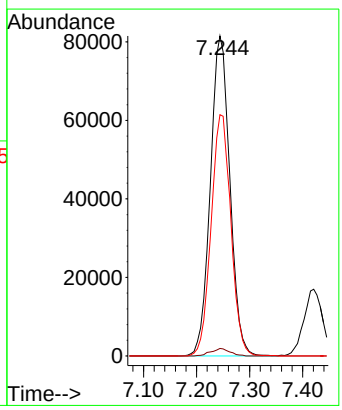


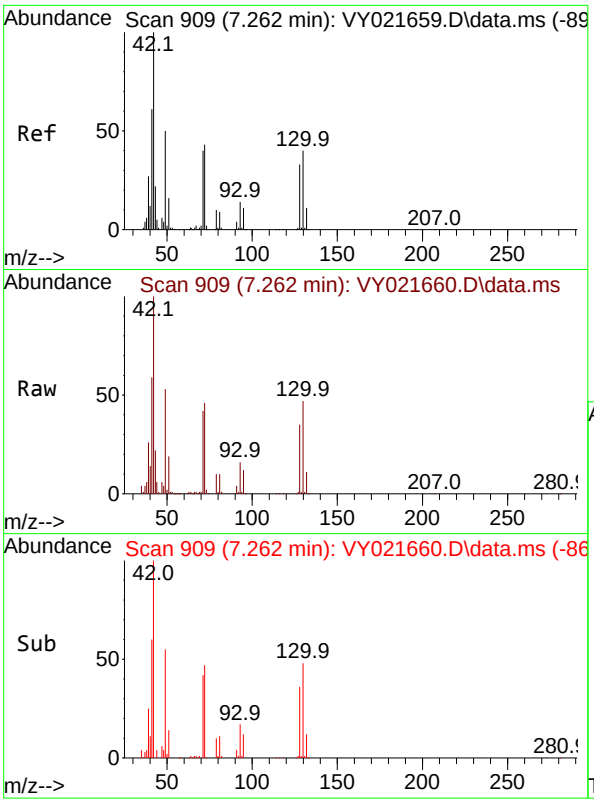


#28
Bromochloromethane
Concen: 94.860 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 49 Resp: 208162

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	76.3	60.1	90.1

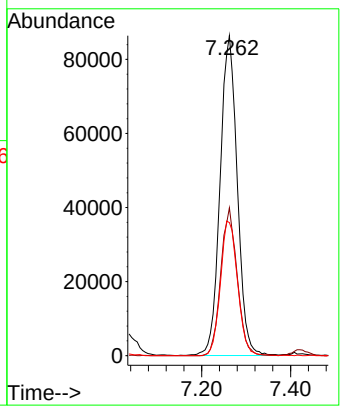




#29
Tetrahydrofuran
Concen: 457.752 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 42 Resp: 23143

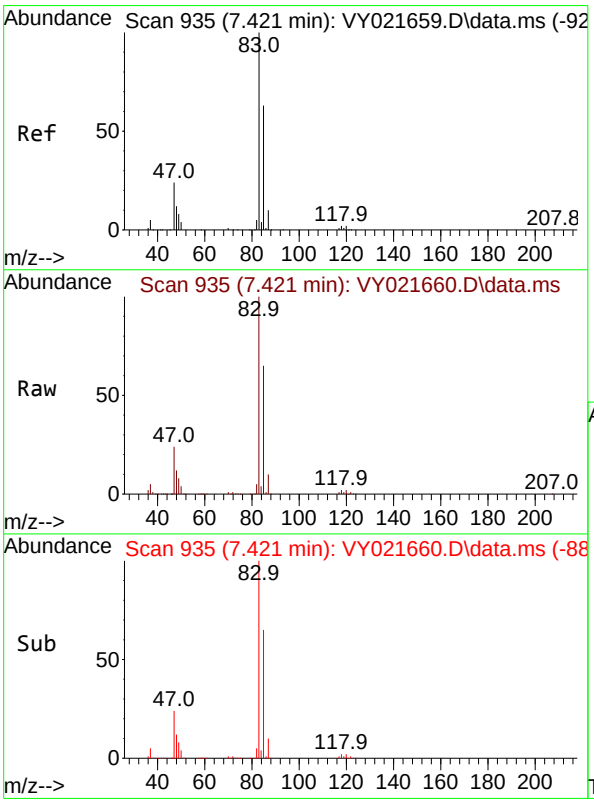
Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.6	52.0
71	42.0	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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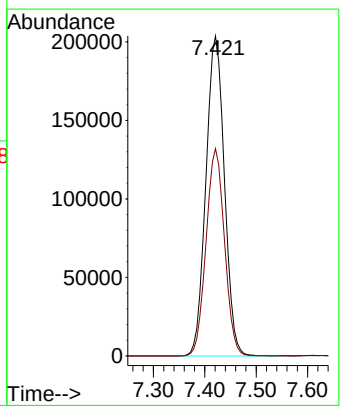
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

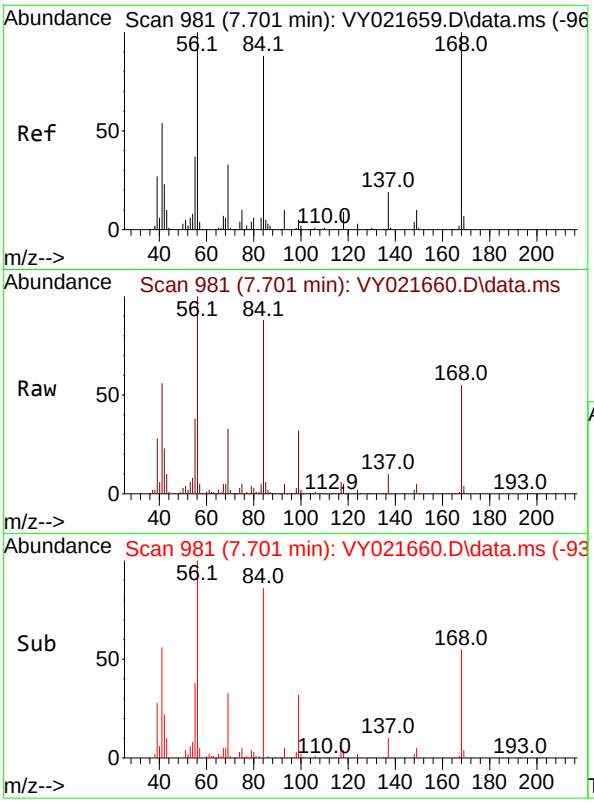


#30
Chloroform
Concen: 94.087 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 83 Resp: 509194

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	75.8





#31
Cyclohexane
Concen: 92.706 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

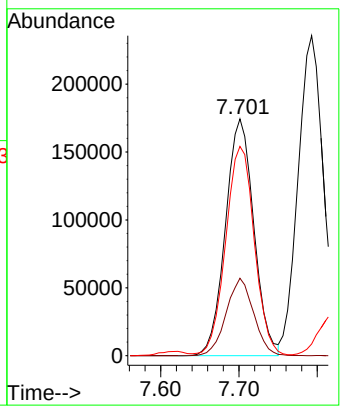
Tgt Ion: 56 Resp: 43972

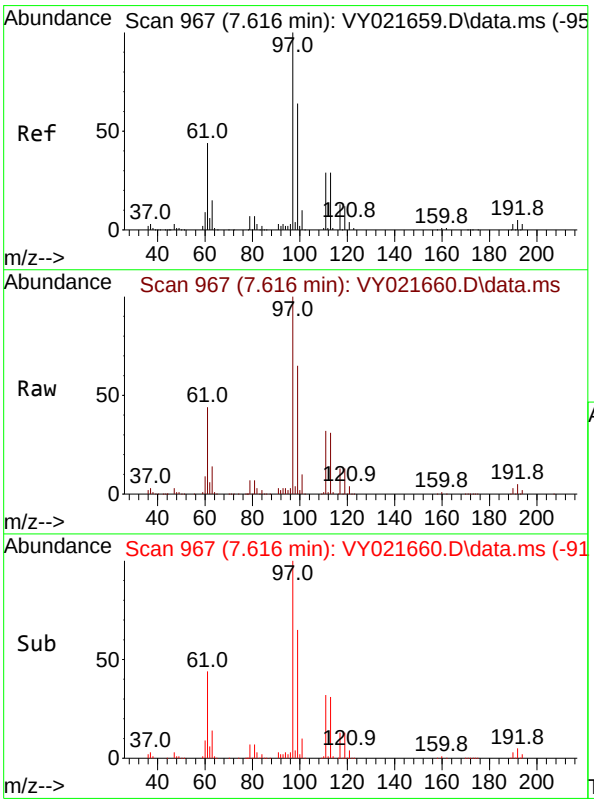
Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.6	40.0
84	86.5	69.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

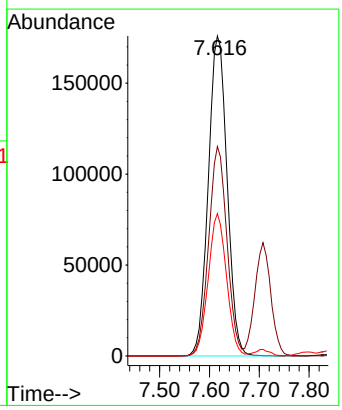


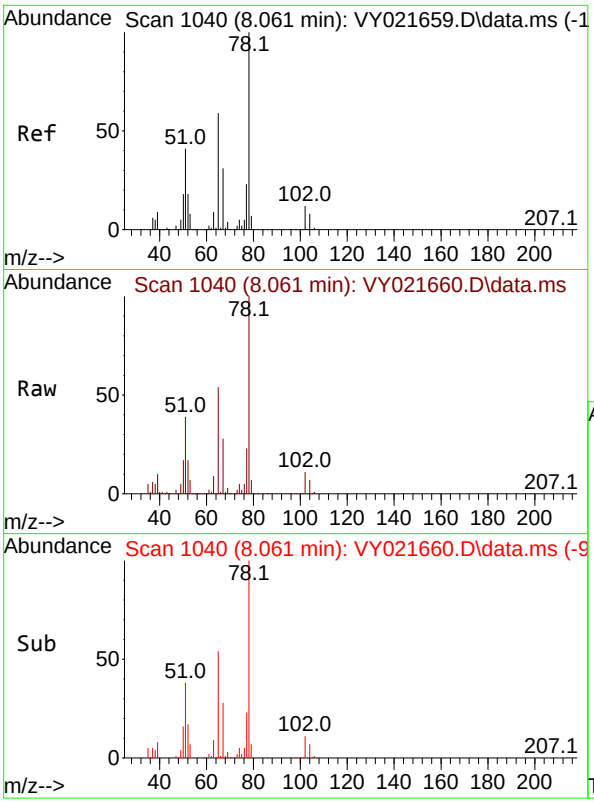


#32
1,1,1-Trichloroethane
Concen: 94.182 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 97 Resp: 460680

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.7	76.1
61	43.5	35.2	52.8

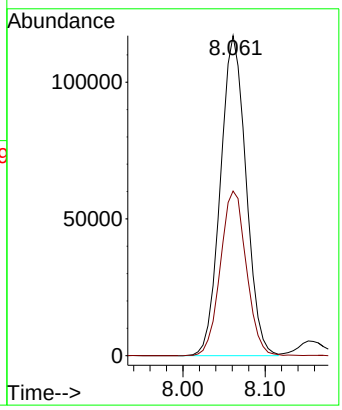




#33
1,2-Dichloroethane-d4
Concen: 94.129 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 65 Resp: 25296

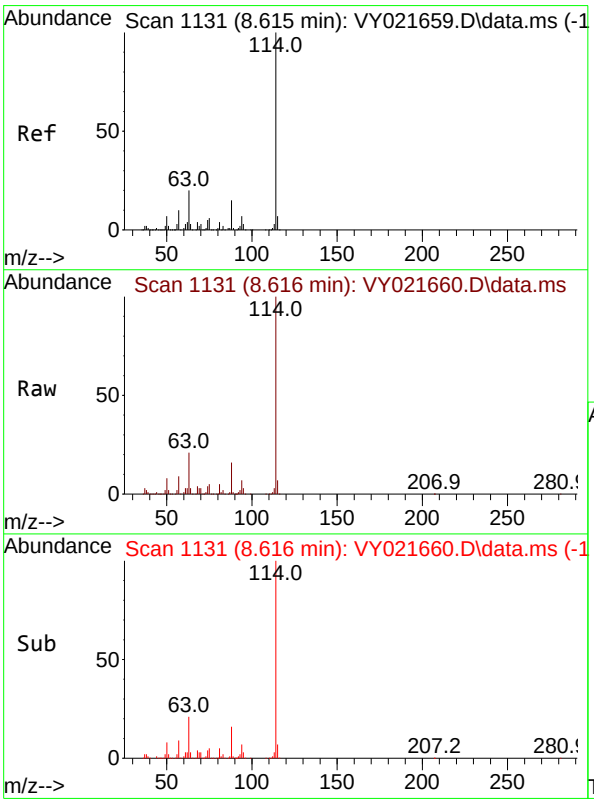
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

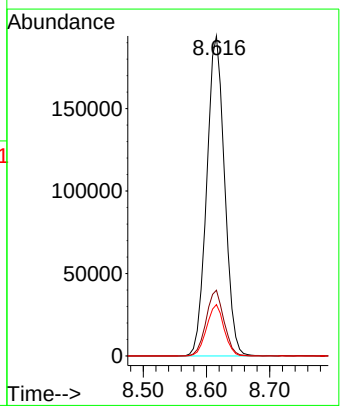
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

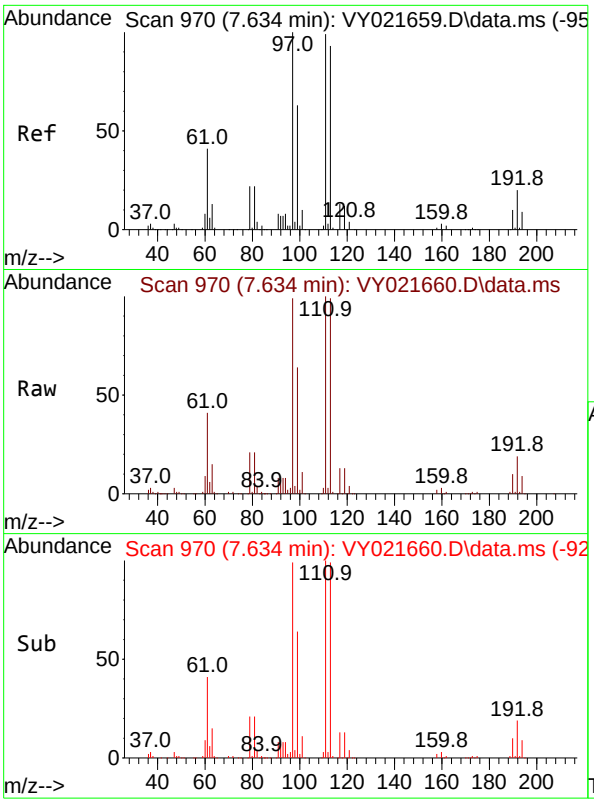


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:114 Resp: 380682

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.2
88	16.0	0.0	29.8

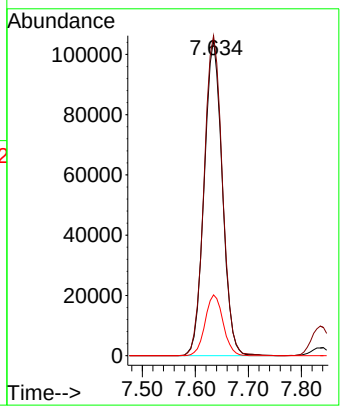




#35
Dibromofluoromethane
Concen: 100.177 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:113 Resp: 24738

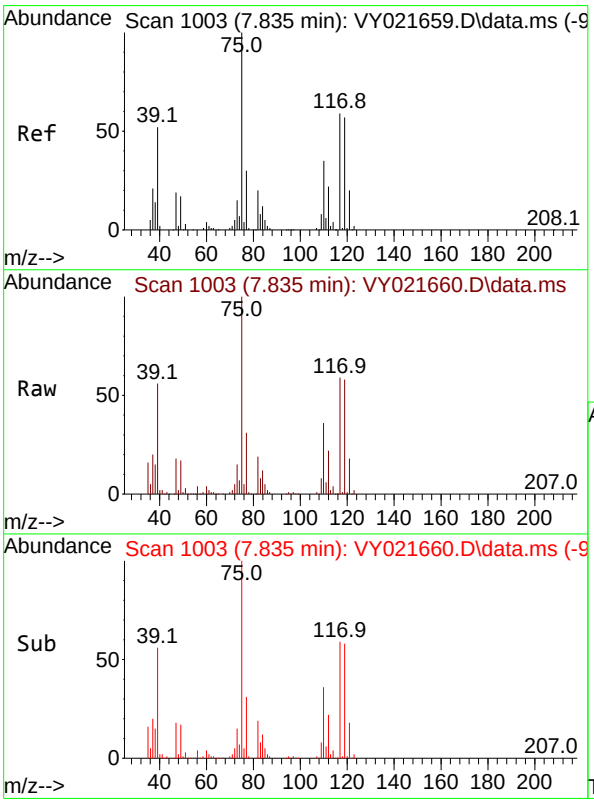
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	19.2	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

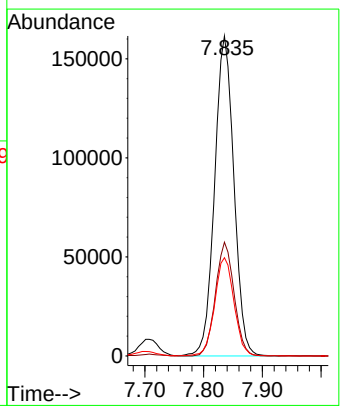
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

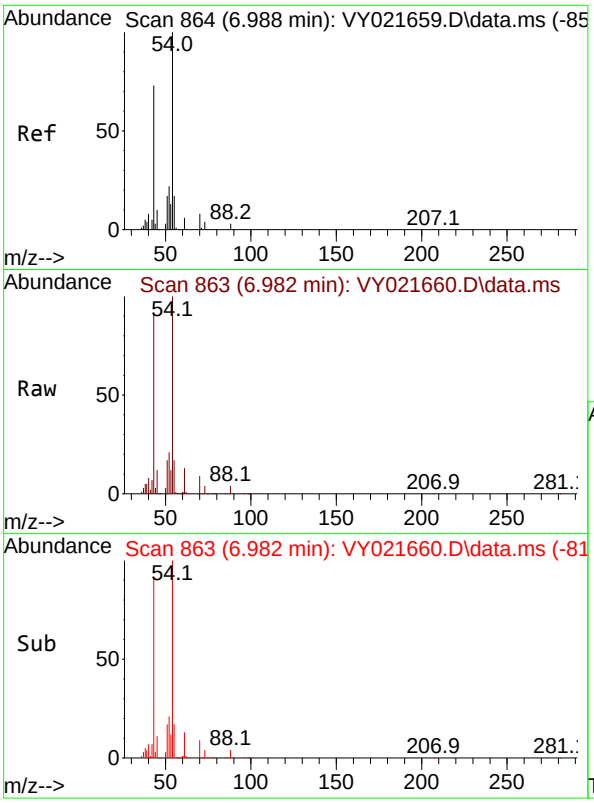


#36
1,1-Dichloropropene
Concen: 98.035 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 368741

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.0	50.9
77	30.8	24.8	37.2





#37
Ethyl Acetate
Concen: 90.529 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

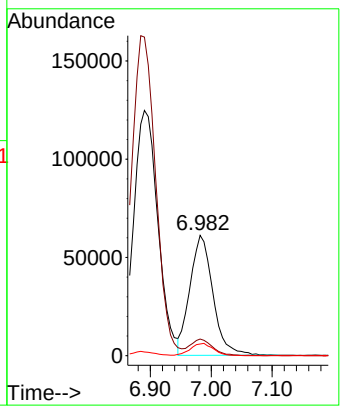
Tgt Ion: 43 Resp: 16070

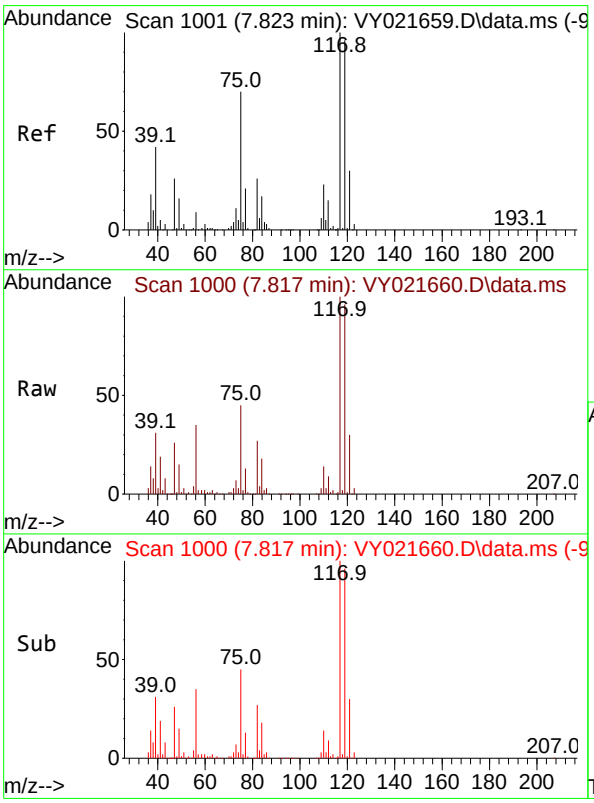
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.6
70	10.2	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

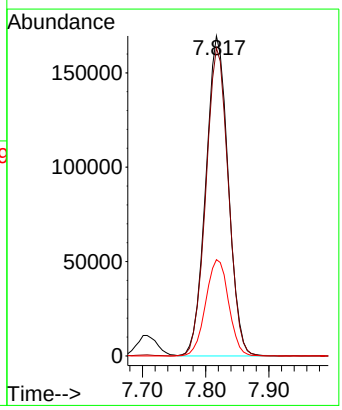


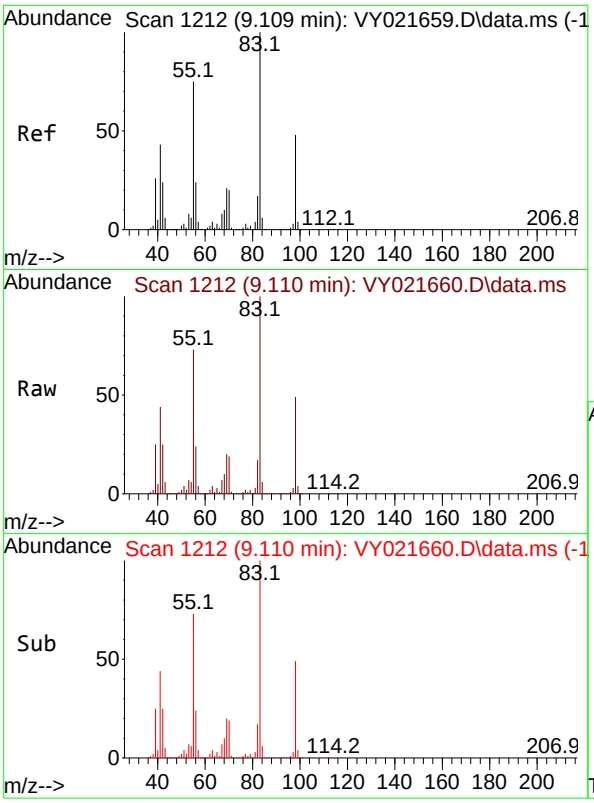


#38
Carbon Tetrachloride
Concen: 96.746 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:117 Resp: 416779

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.2	114.4
121	30.1	24.2	36.4

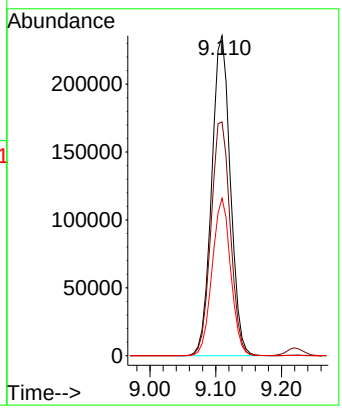




#39
Methylcyclohexane
Concen: 103.663 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 83 Resp: 46578

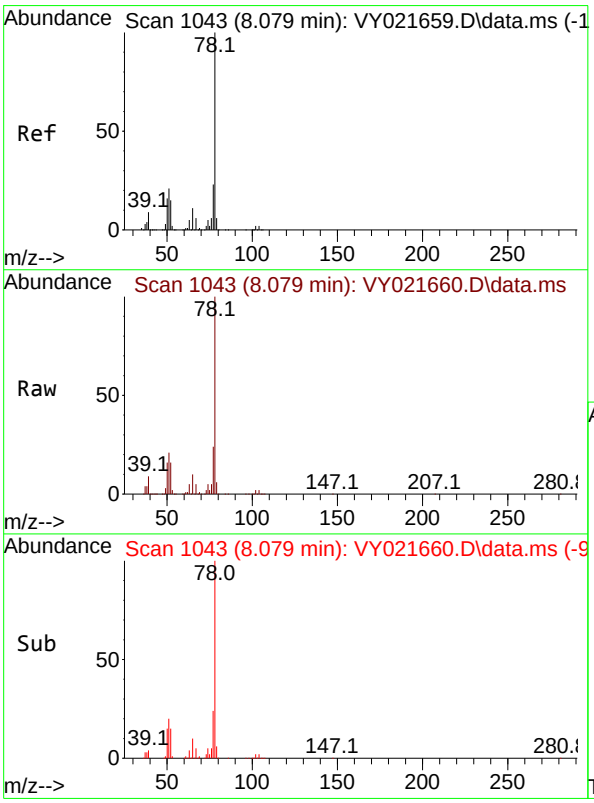
Ion	Ratio	Lower	Upper
83	100		
55	73.0	59.7	89.5
98	49.2	38.3	57.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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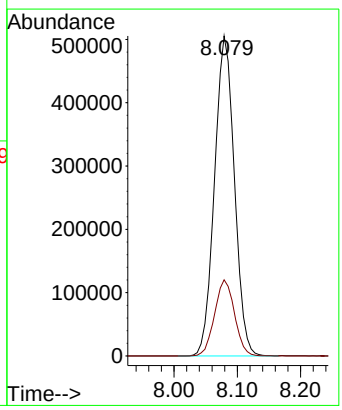
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

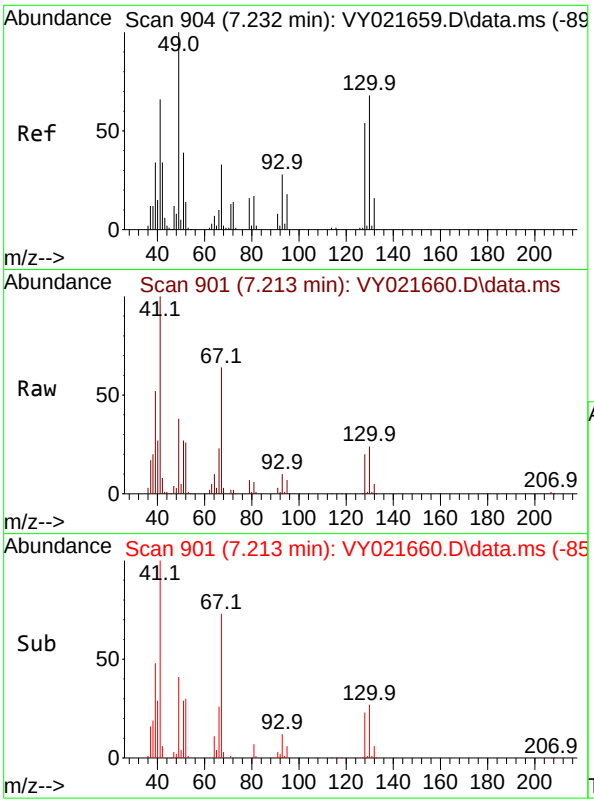


#40
Benzene
Concen: 97.692 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 78 Resp: 1100425

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2

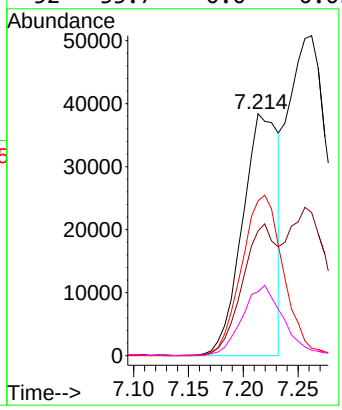




#41
Methacrylonitrile
Concen: 92.176 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.018 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 41 Resp: 8688

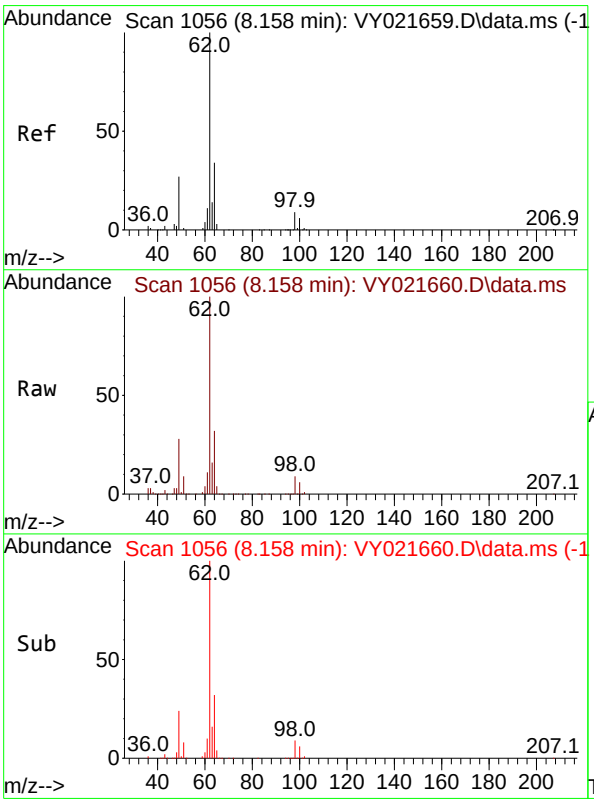
Ion	Ratio	Lower	Upper
41	100		
39	52.8	0.0	0.0#
67	78.1	0.0	0.0#
52	33.7	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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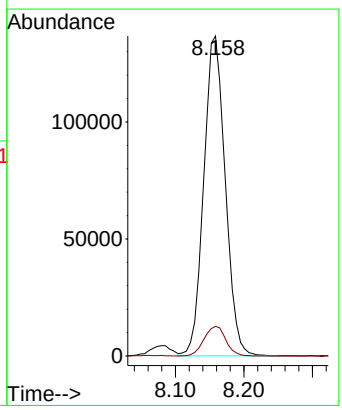
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

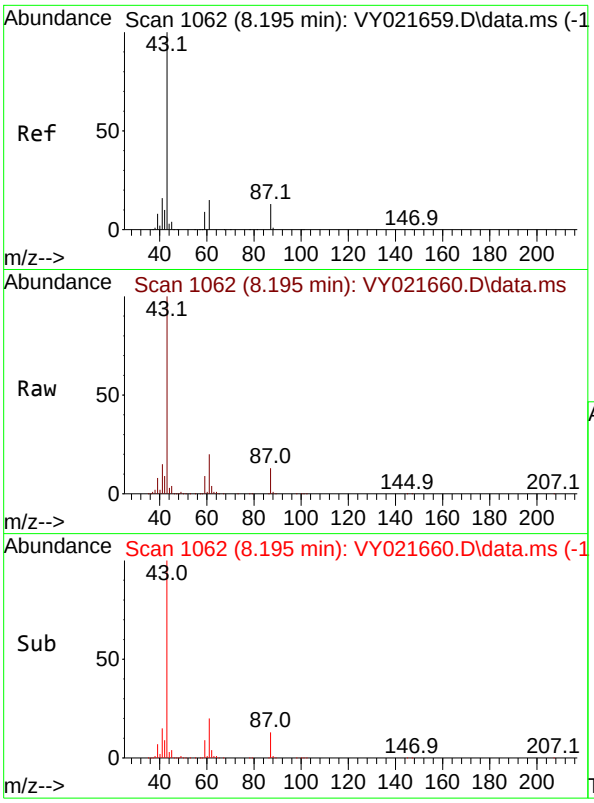


#42
1,2-Dichloroethane
Concen: 93.952 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 62 Resp: 298349

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4

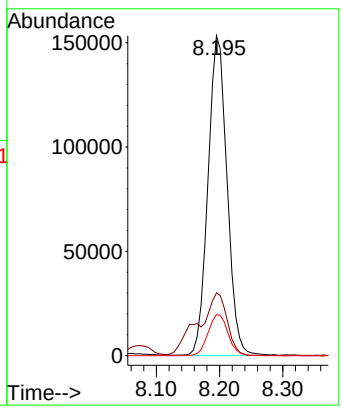




#43
Isopropyl Acetate
Concen: 95.153 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 32009

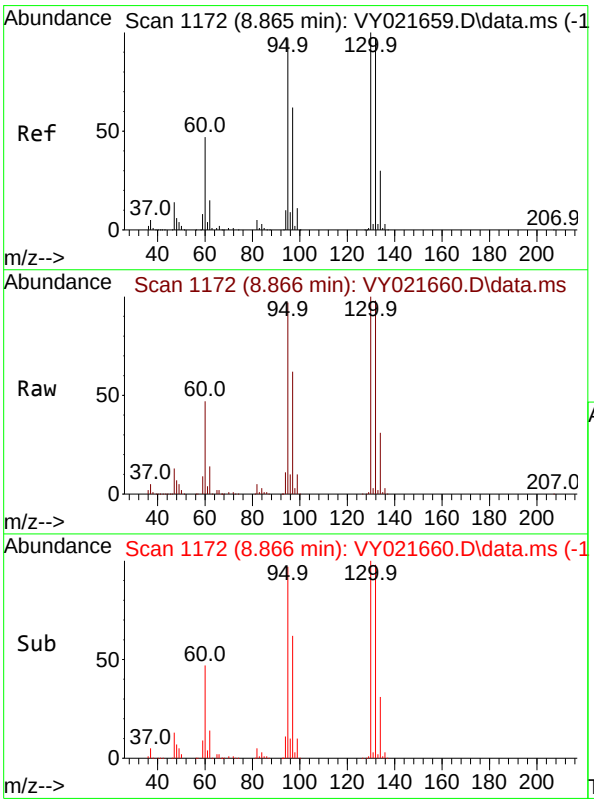
Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.9	23.9
87	13.4	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

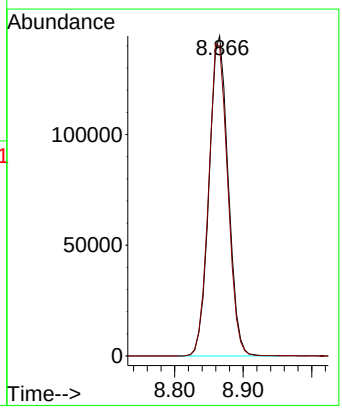
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

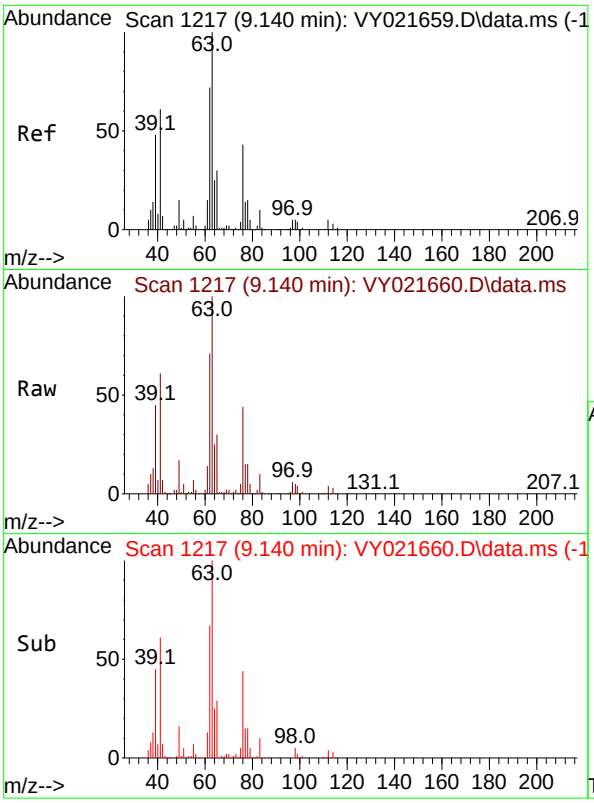


#44
Trichloroethene
Concen: 97.190 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:130 Resp: 278937

Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	194.8

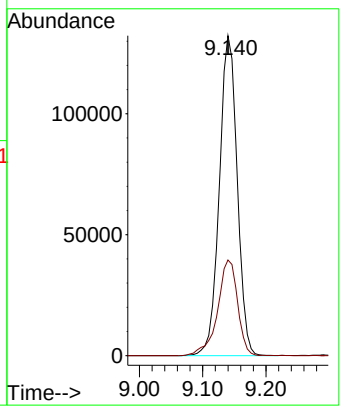




#45
1,2-Dichloropropane
Concen: 97.163 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 63 Resp: 25906

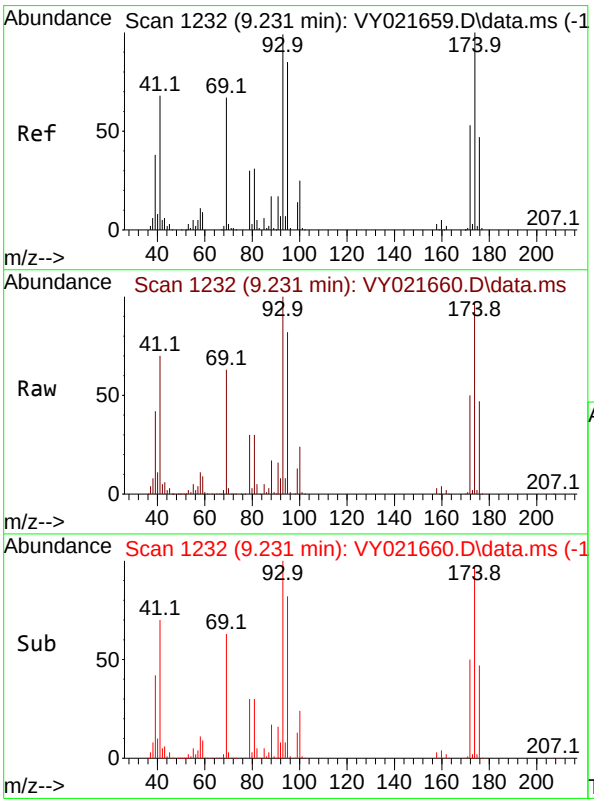
Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

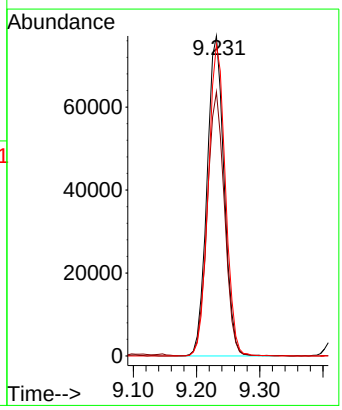
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

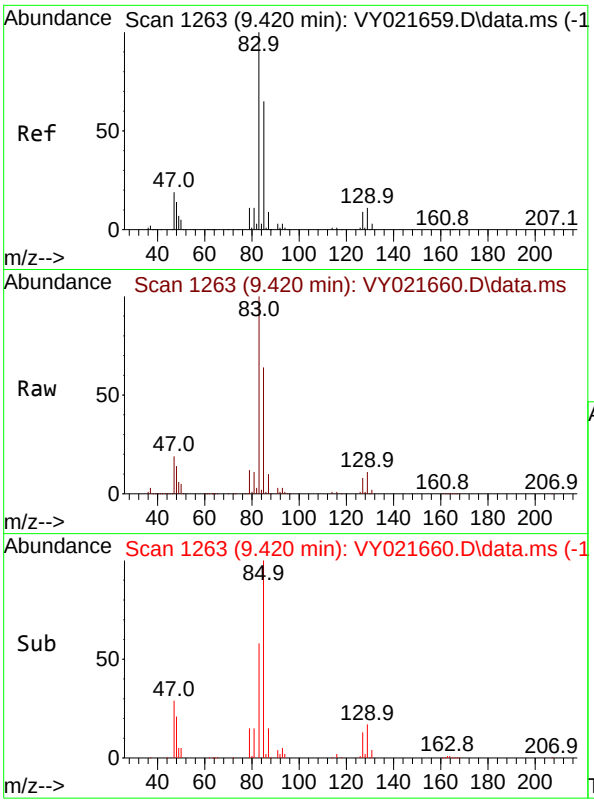


#46
Dibromomethane
Concen: 94.482 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 93 Resp: 145186

Ion	Ratio	Lower	Upper
93	100		
95	83.0	68.1	102.1
174	97.8	80.9	121.3

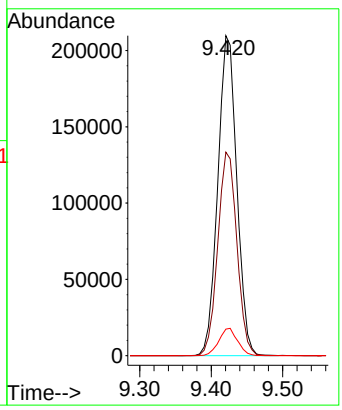




#47
Bromodichloromethane
Concen: 97.159 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 83 Resp: 38686

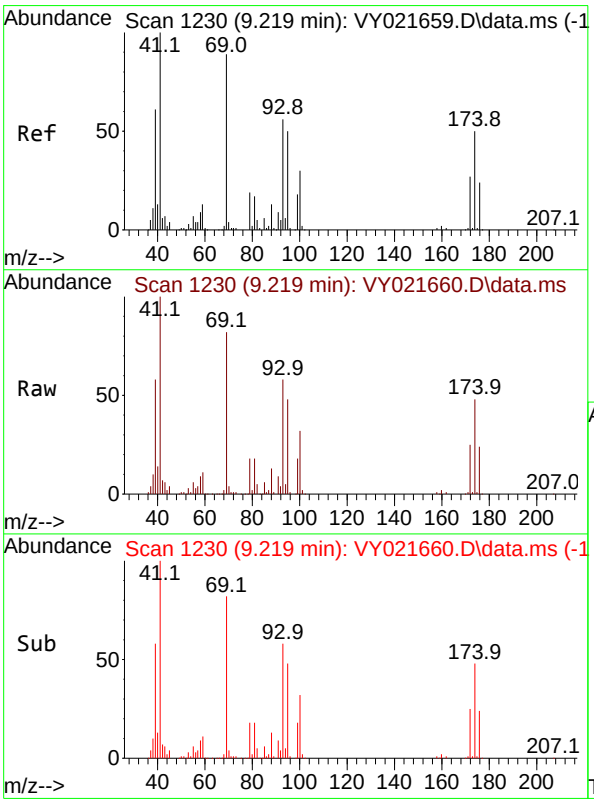
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6
127	8.3	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

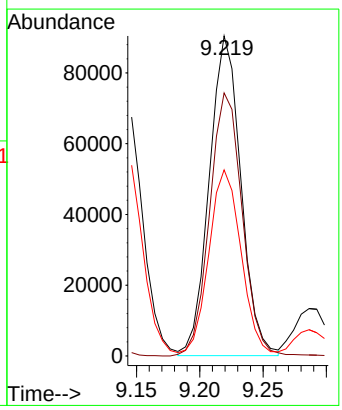
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

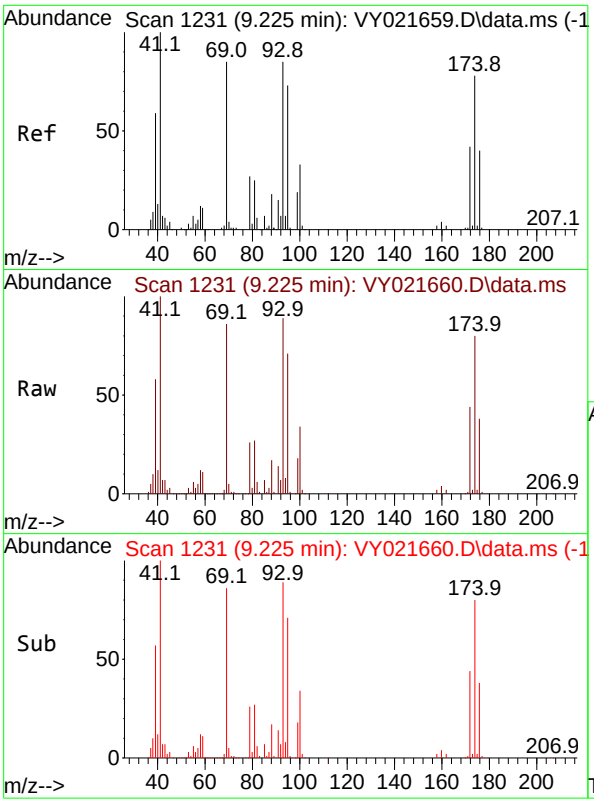


#48
Methyl methacrylate
Concen: 101.718 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 41 Resp: 157046

Ion	Ratio	Lower	Upper
41	100		
69	85.0	69.8	104.8
39	57.6	47.2	70.8

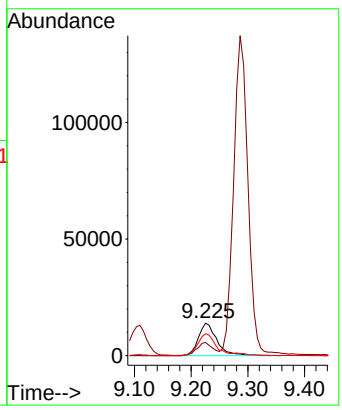




#49
1,4-Dioxane
Concen: 1922.485 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 88 Resp: 3164

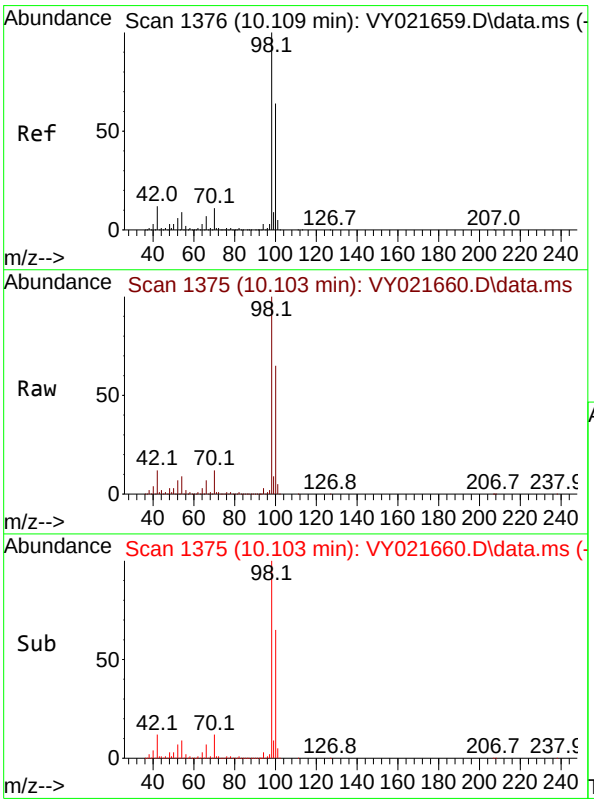
Ion	Ratio	Lower	Upper
88	100		
43	34.7	28.8	43.2
58	65.5	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

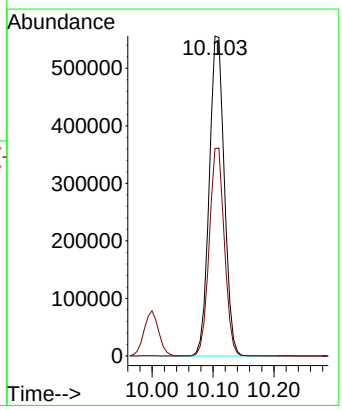
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

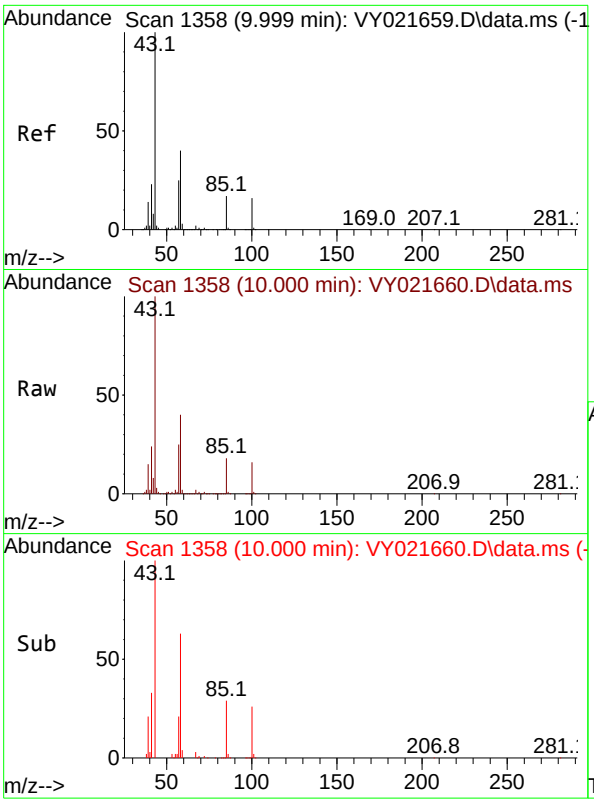


#50
Toluene-d8
Concen: 101.480 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 98 Resp: 953346

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1

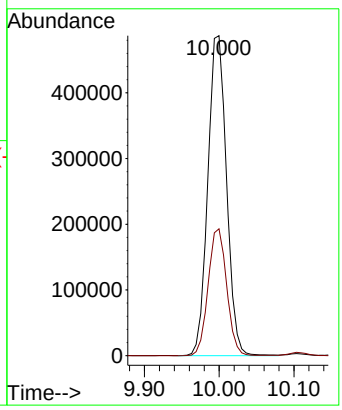




#51
4-Methyl-2-Pentanone
Concen: 483.331 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 84612

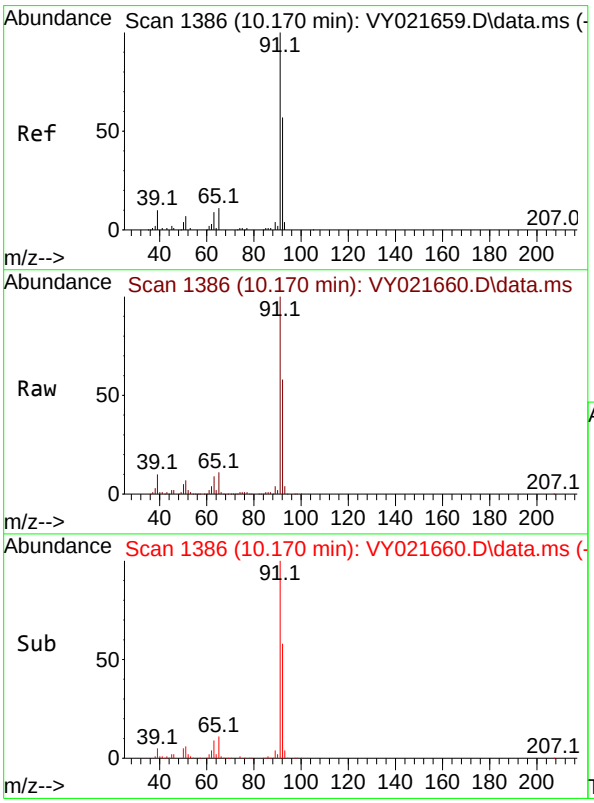
Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

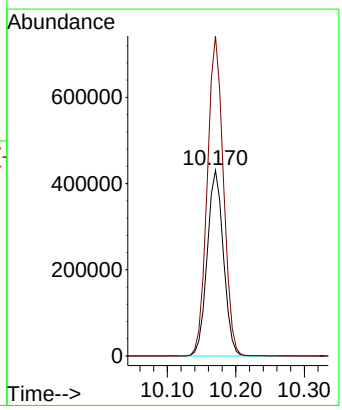
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

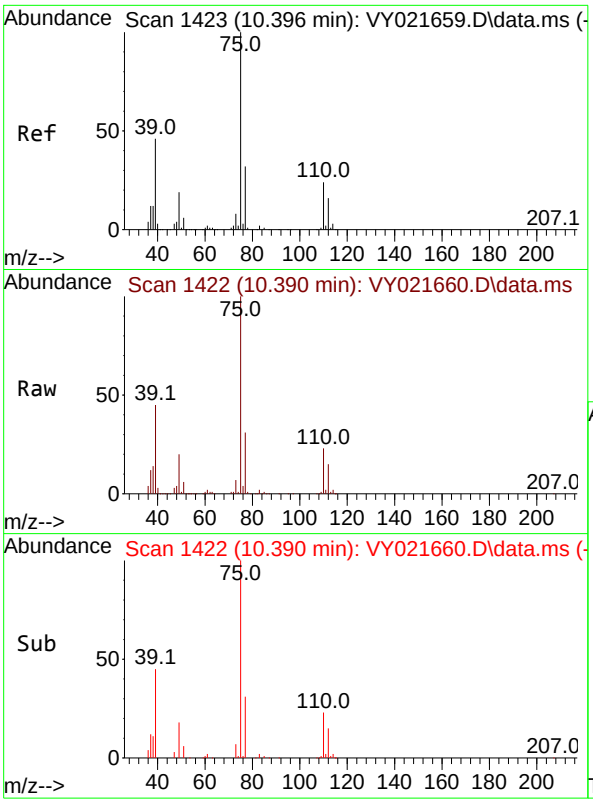


#52
Toluene
Concen: 100.486 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 92 Resp: 706197

Ion	Ratio	Lower	Upper
92	100		
91	172.2	138.6	207.8

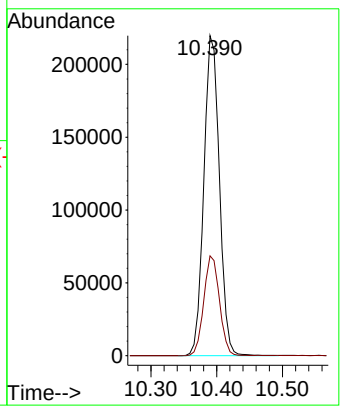




#53
t-1,3-Dichloropropene
Concen: 102.153 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 36128

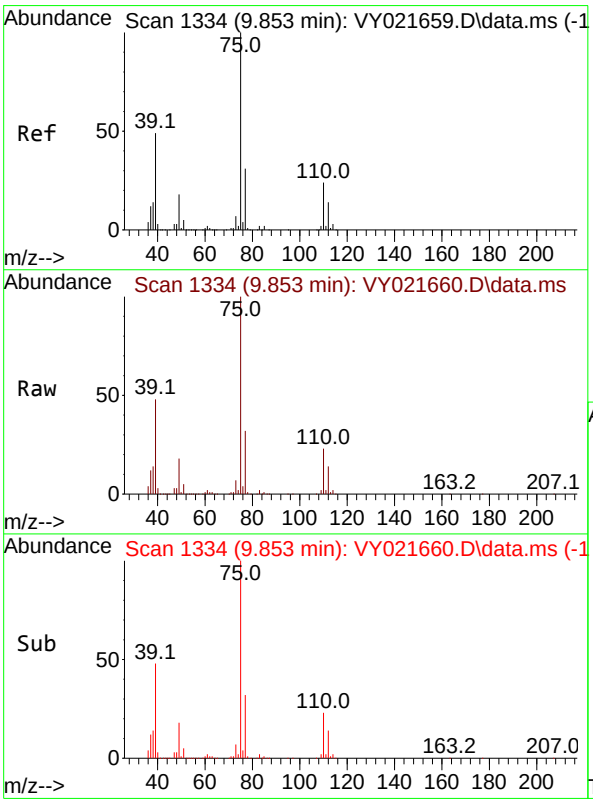
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

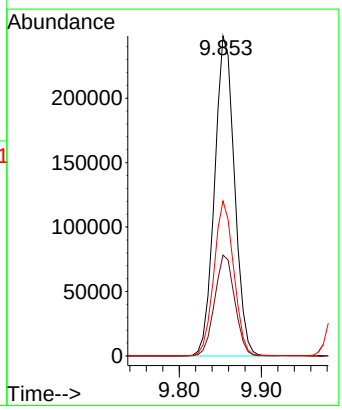
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

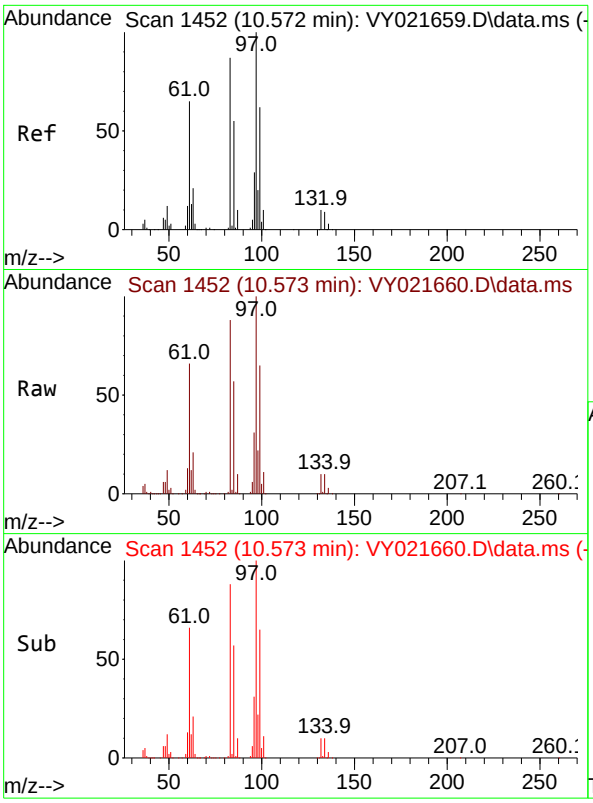


#54
cis-1,3-Dichloropropene
Concen: 100.208 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 418099

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3
39	48.4	39.2	58.8

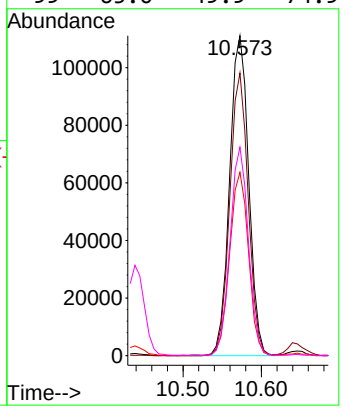




#55
1,1,2-Trichloroethane
Concen: 95.058 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 97 Resp: 18797

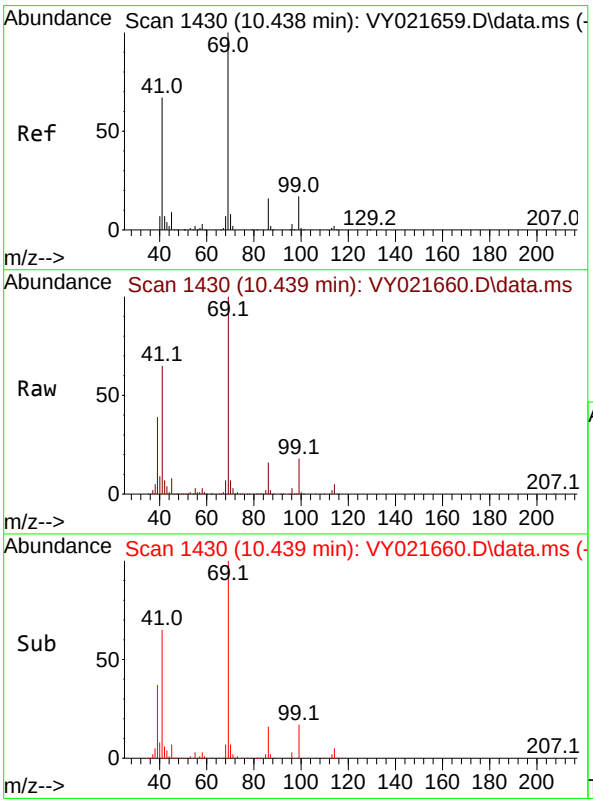
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.5	104.3
85	57.3	43.9	65.9
99	65.0	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

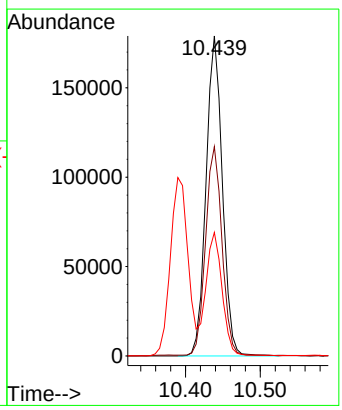
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

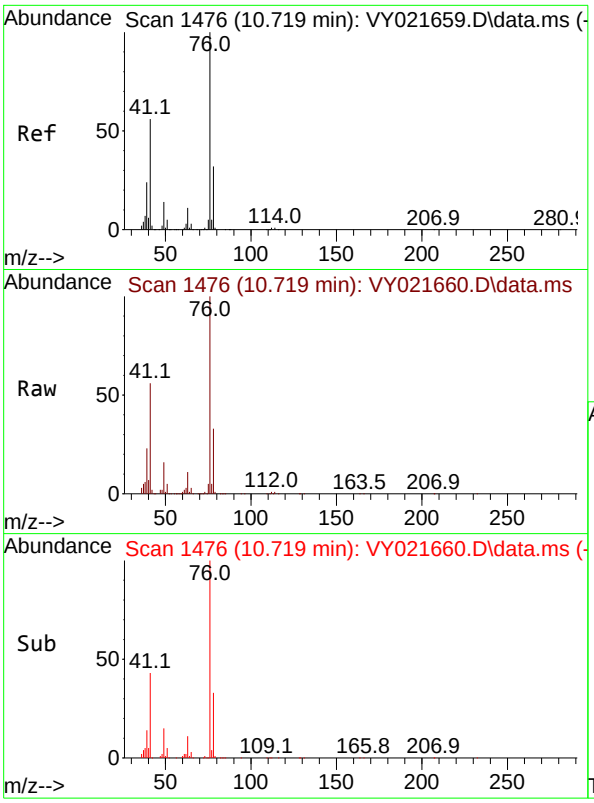


#56
Ethyl methacrylate
Concen: 107.339 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 69 Resp: 271036

Ion	Ratio	Lower	Upper
69	100		
41	65.6	53.8	80.6
39	38.6	29.6	44.4

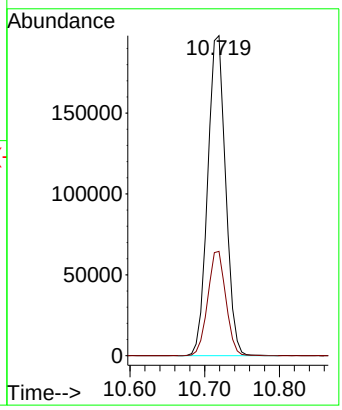




#57
1,3-Dichloropropane
Concen: 96.352 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 76 Resp: 32906

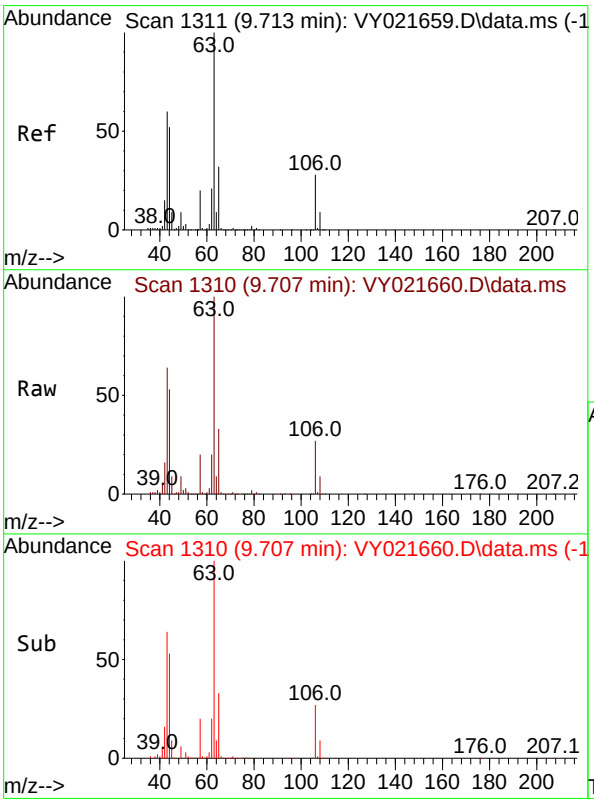
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

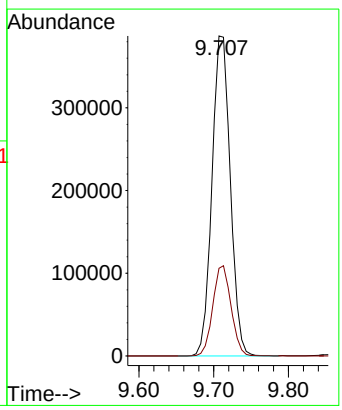
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

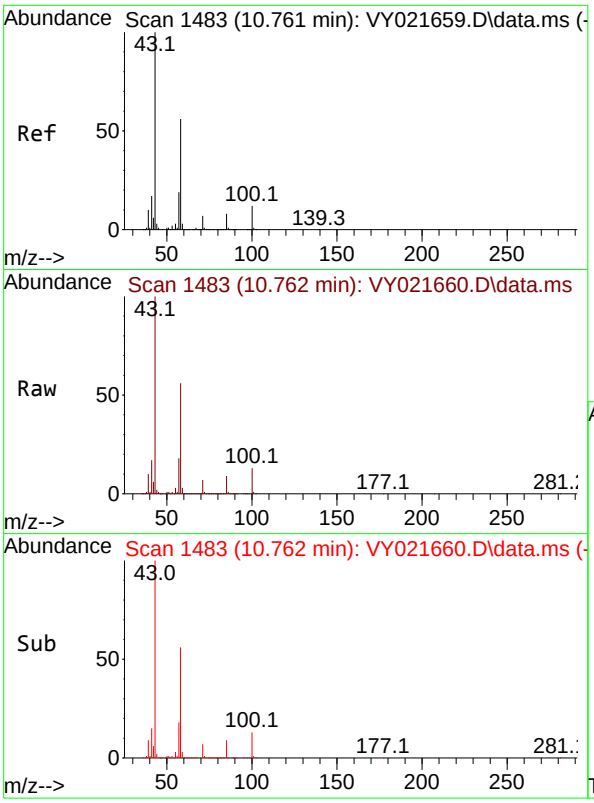


#58
2-Chloroethyl Vinyl ether
Concen: 534.142 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 63 Resp: 657953

Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.4	33.6





#59
2-Hexanone
Concen: 484.686 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

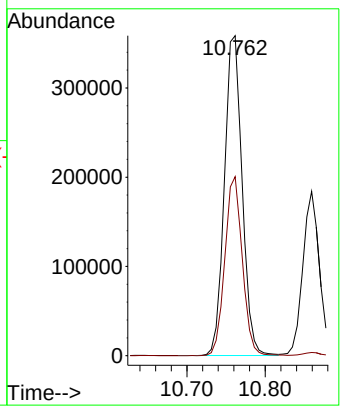
Tgt Ion: 43 Resp: 56508

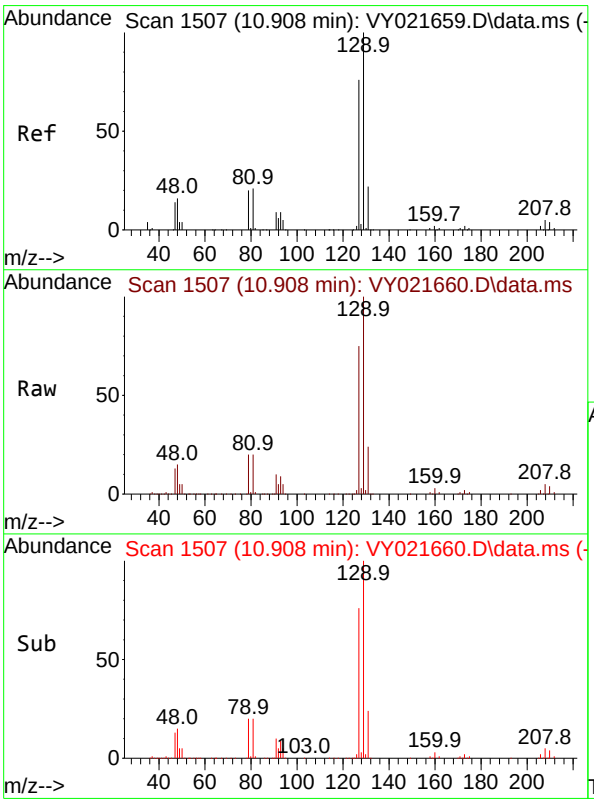
Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.2	81.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

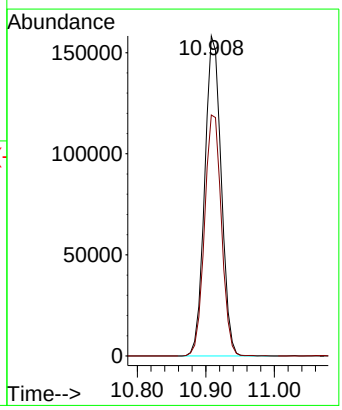


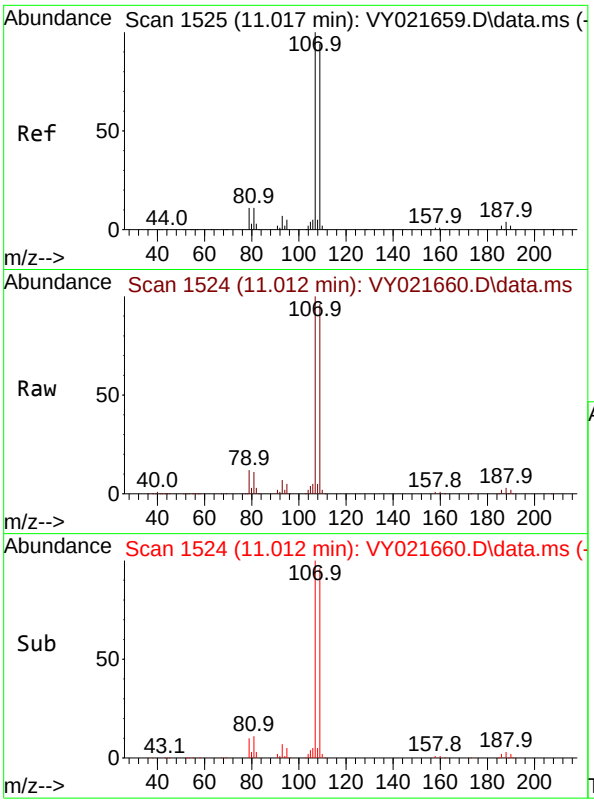


#60
Dibromochloromethane
Concen: 98.207 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:129 Resp: 265151

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.6	115.7

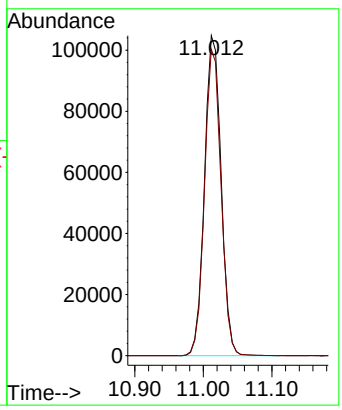




#61
1,2-Dibromoethane
Concen: 95.501 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:107 Resp: 17715

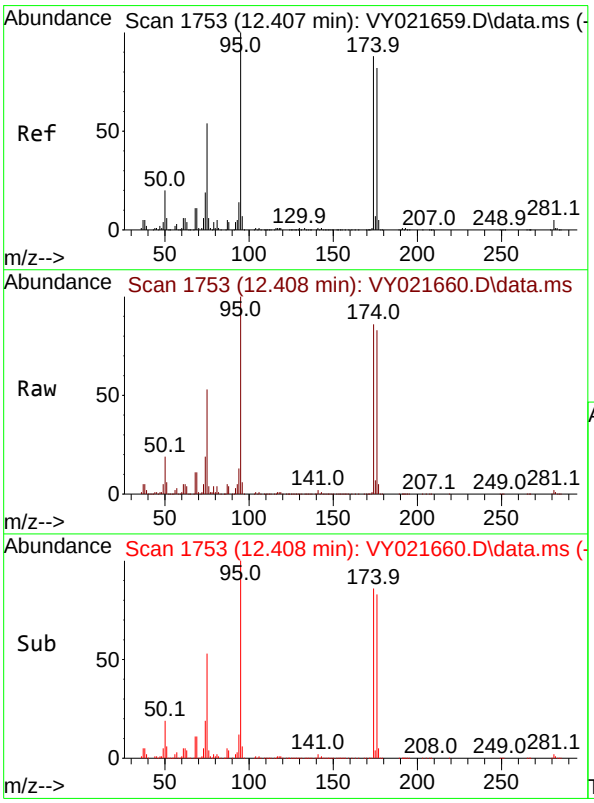
Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

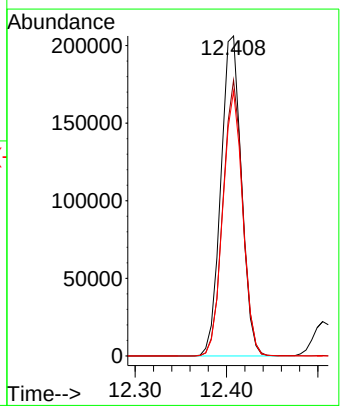
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

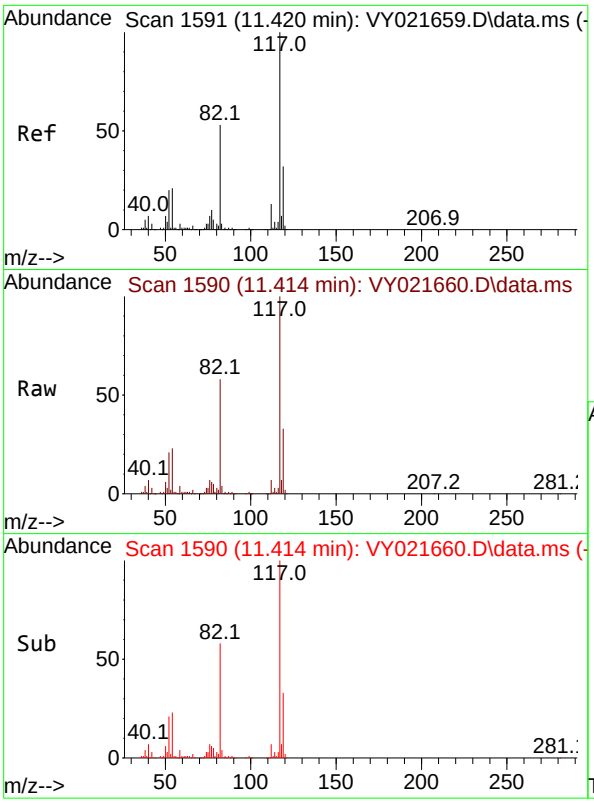


#62
4-Bromofluorobenzene
Concen: 101.481 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 95 Resp: 322469

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	170.8
176	79.9	0.0	162.0

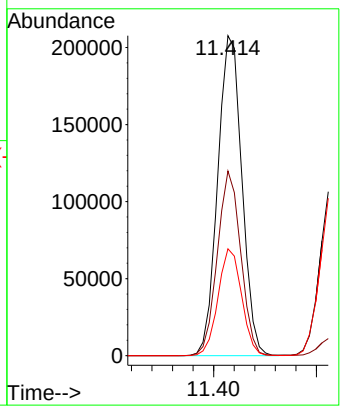




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:117 Resp: 33920

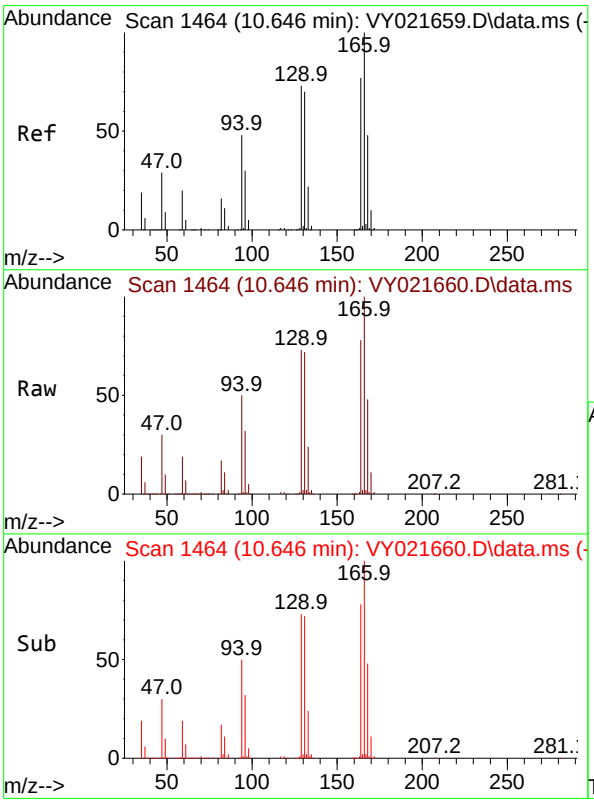
Ion	Ratio	Lower	Upper
117	100		
82	57.7	42.8	64.2
119	33.4	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

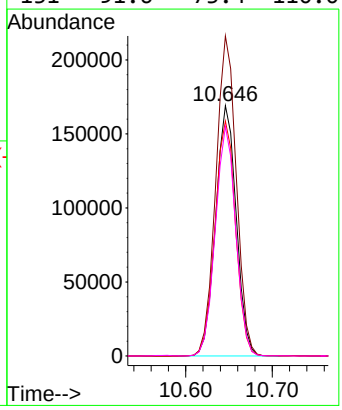
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

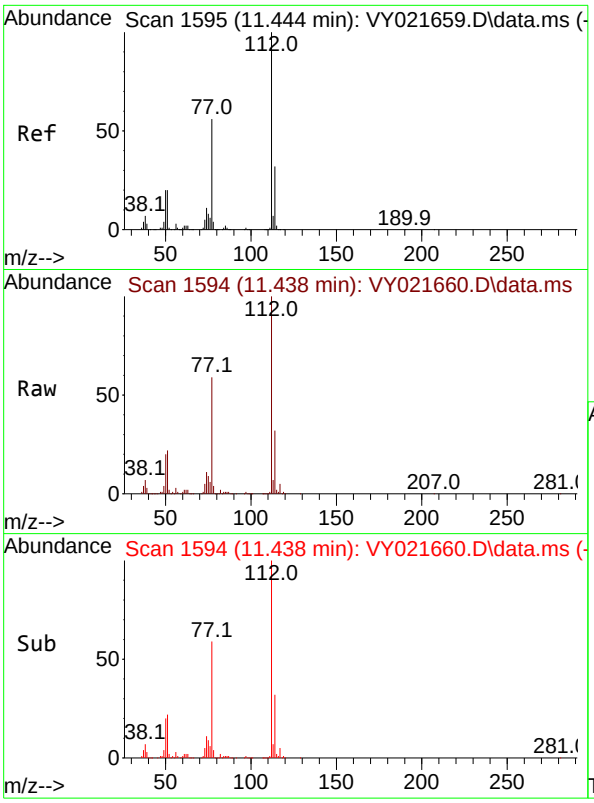


#64
Tetrachloroethene
Concen: 90.401 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:164 Resp: 279279

Ion	Ratio	Lower	Upper
164	100		
166	127.9	104.6	156.8
129	93.9	76.6	114.8
131	91.6	73.4	110.0

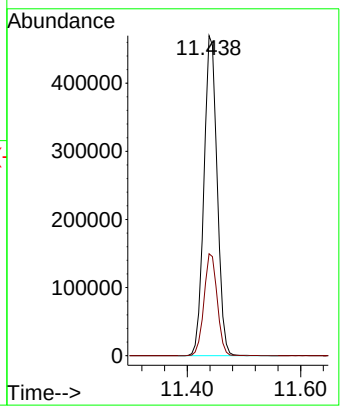




#65
Chlorobenzene
Concen: 97.381 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:112 Resp: 75719

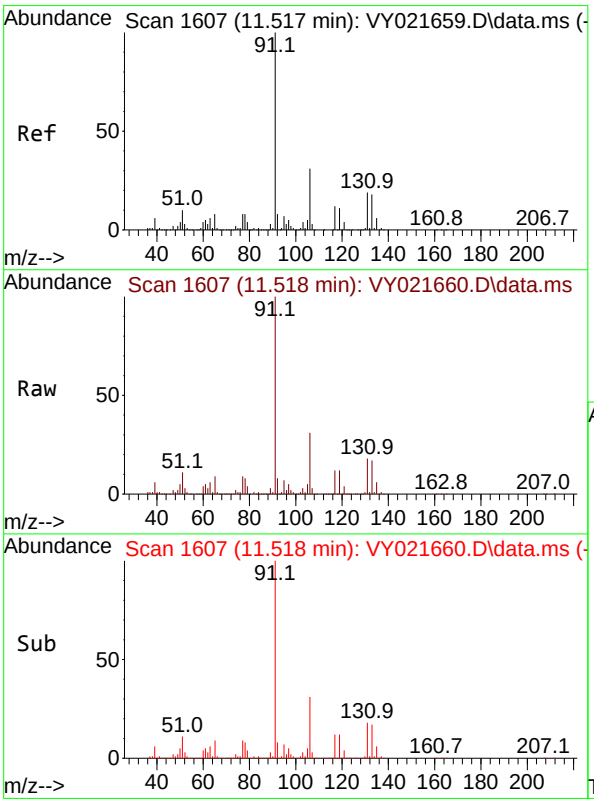
Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

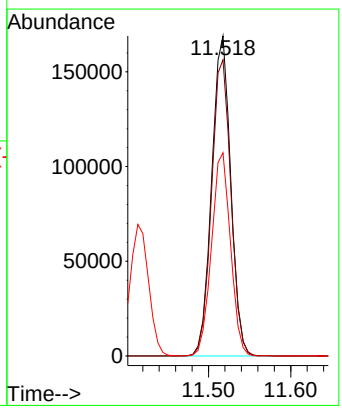
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

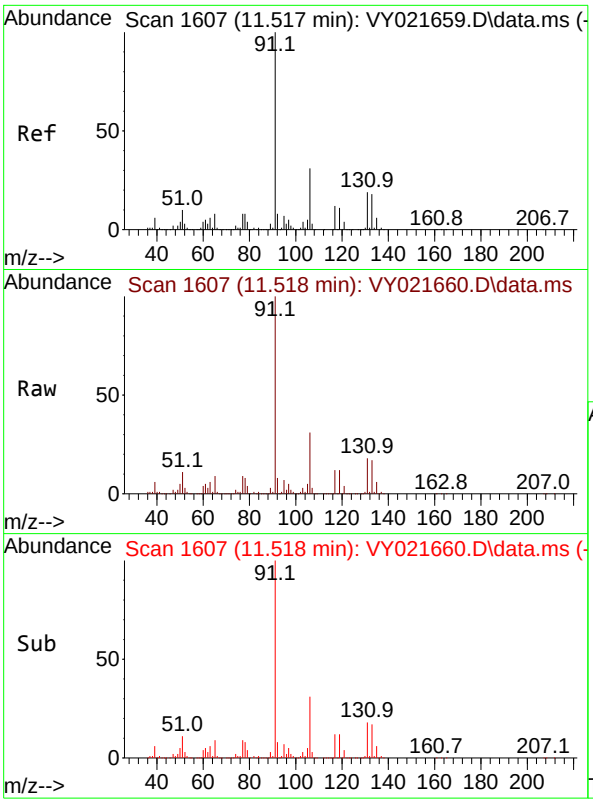


#66
1,1,1,2-Tetrachloroethane
Concen: 98.275 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:131 Resp: 271119

Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.3	141.8
119	63.6	31.6	95.0

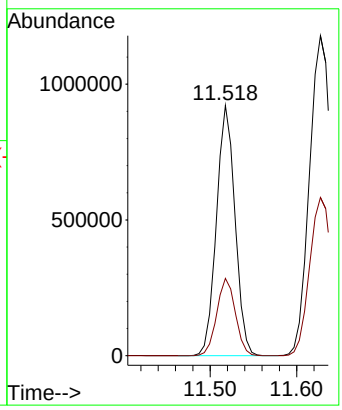




#67
Ethyl Benzene
Concen: 102.918 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 137224

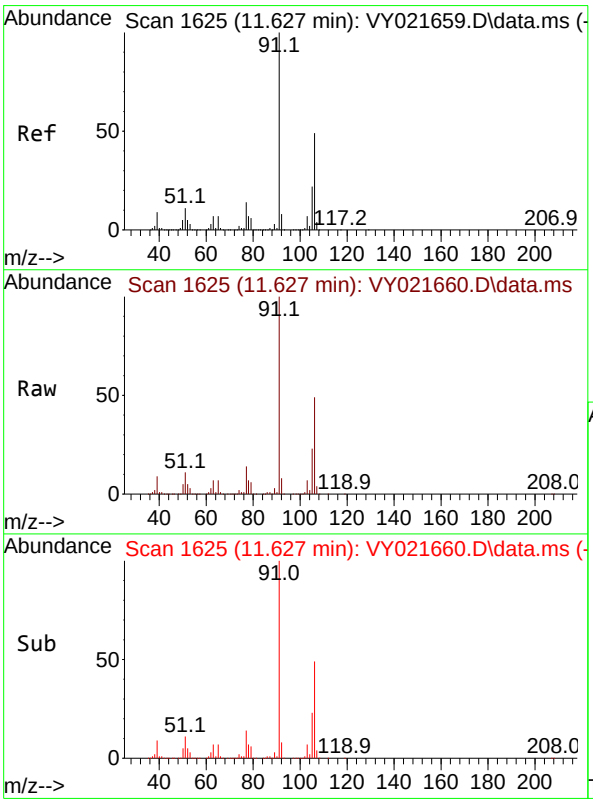
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

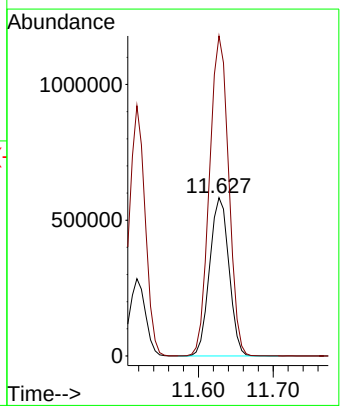
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

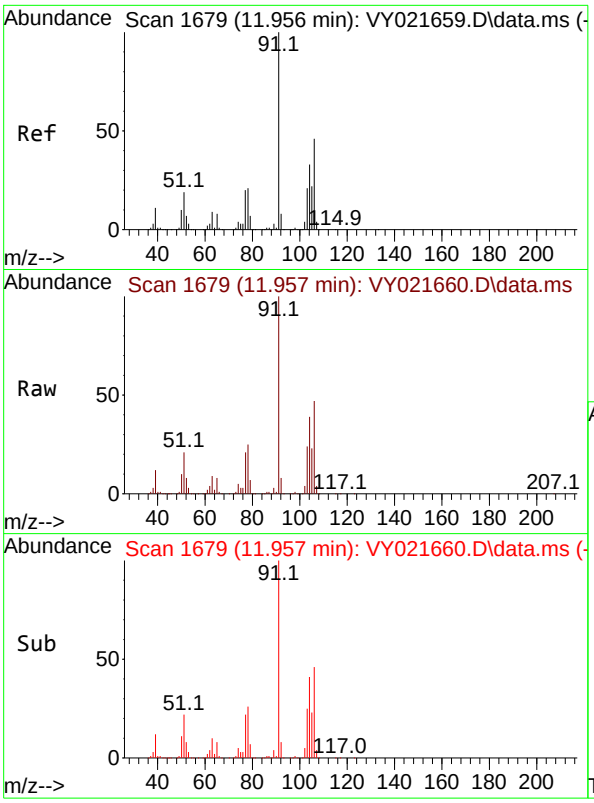


#68
m/p-Xylenes
Concen: 205.681 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:106 Resp: 1050156

Ion	Ratio	Lower	Upper
106	100		
91	201.4	162.4	243.6

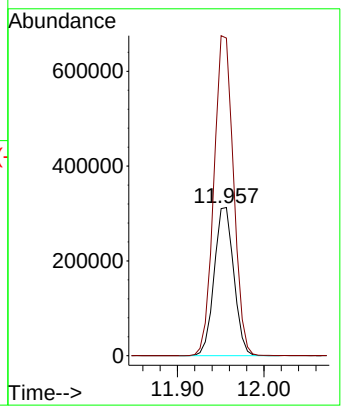




#69
o-Xylene
Concen: 104.369 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:106 Resp: 49189

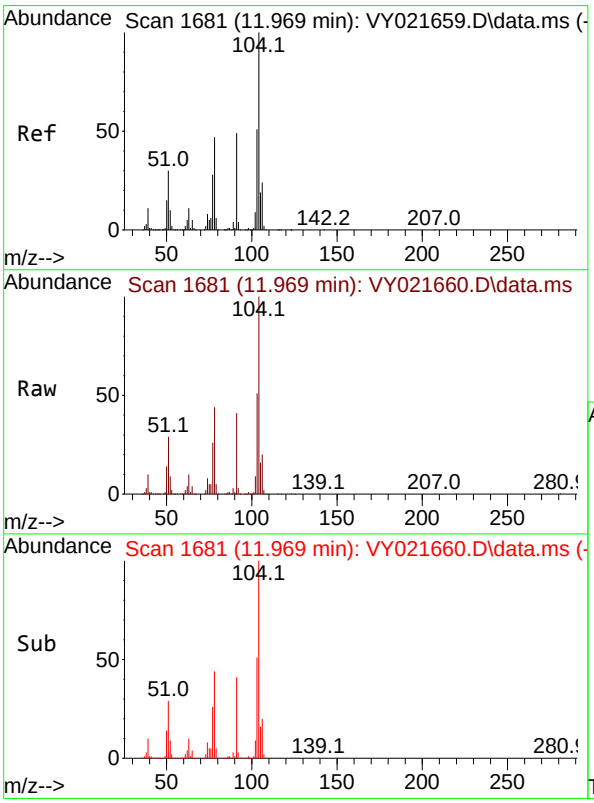
Ion	Ratio	Lower	Upper
106	100		
91	215.9	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

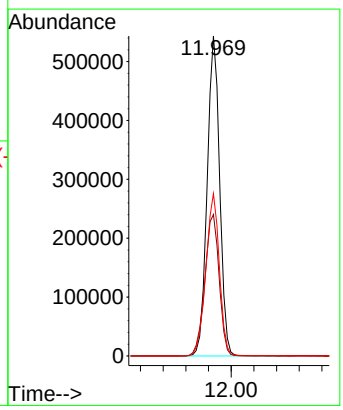
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

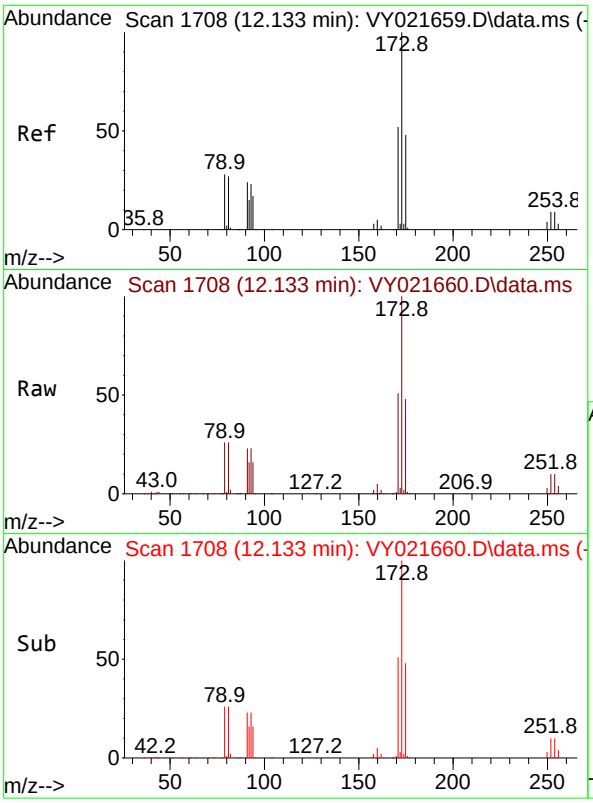


#70
Styrene
Concen: 106.098 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:104 Resp: 833734

Ion	Ratio	Lower	Upper
104	100		
78	50.5	40.8	61.2
103	54.6	44.2	66.2

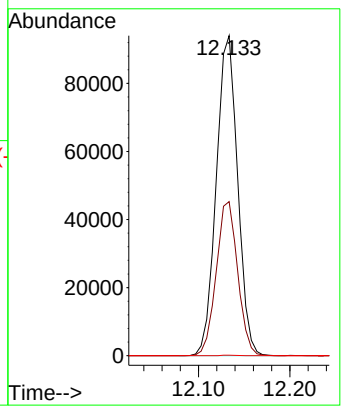




#71
Bromoform
Concen: 97.024 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:173 Resp: 15268

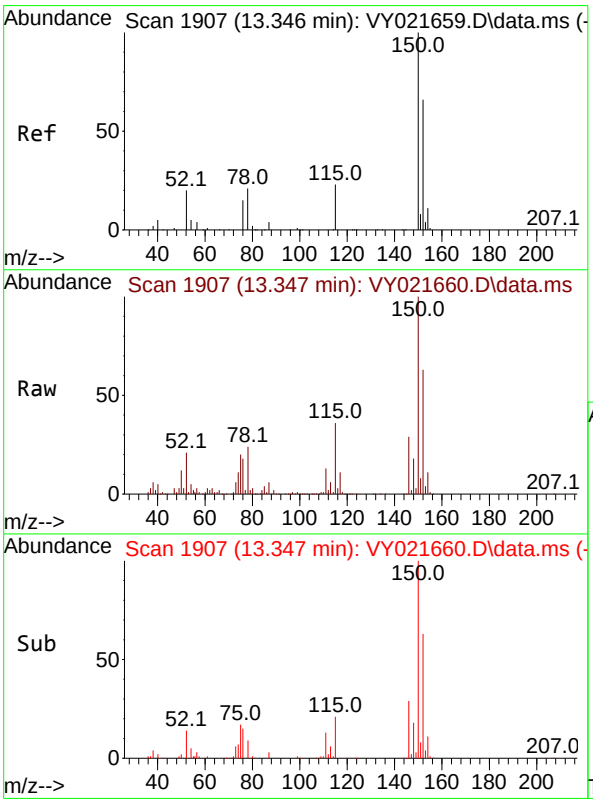
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

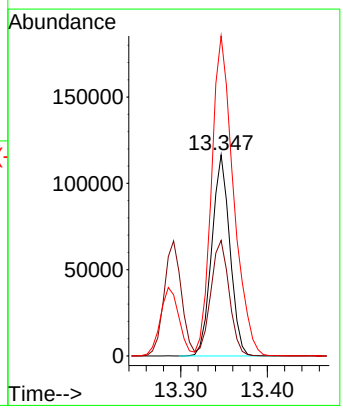
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

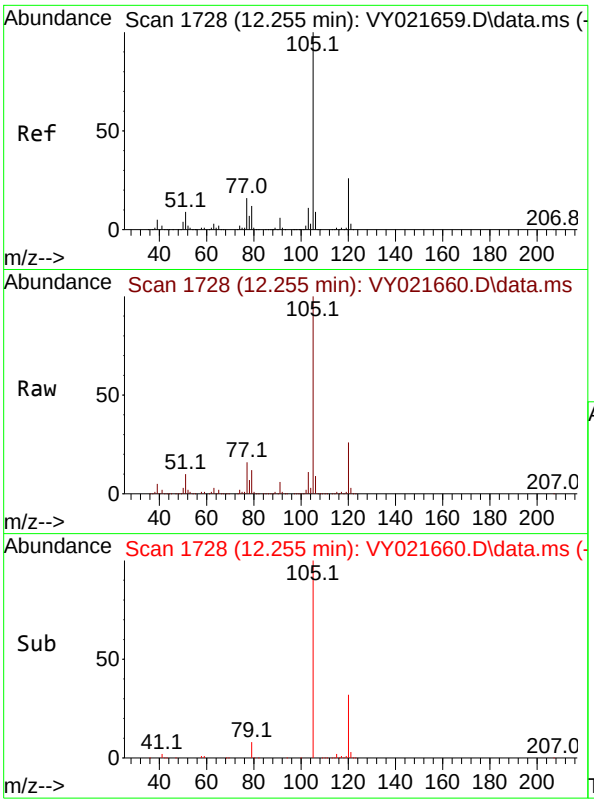


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:152 Resp: 168901

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.8	86.5
150	193.6	0.0	348.4

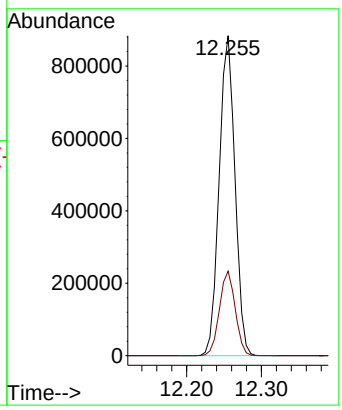




#73
Isopropylbenzene
Concen: 103.486 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:105 Resp: 129822

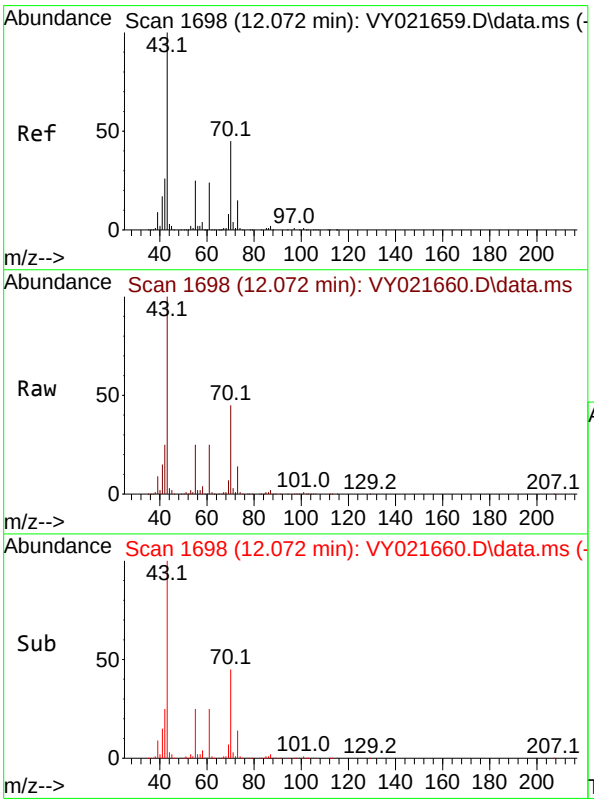
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

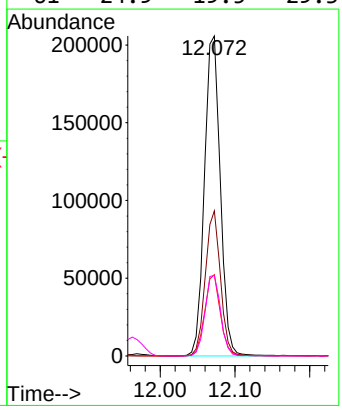
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

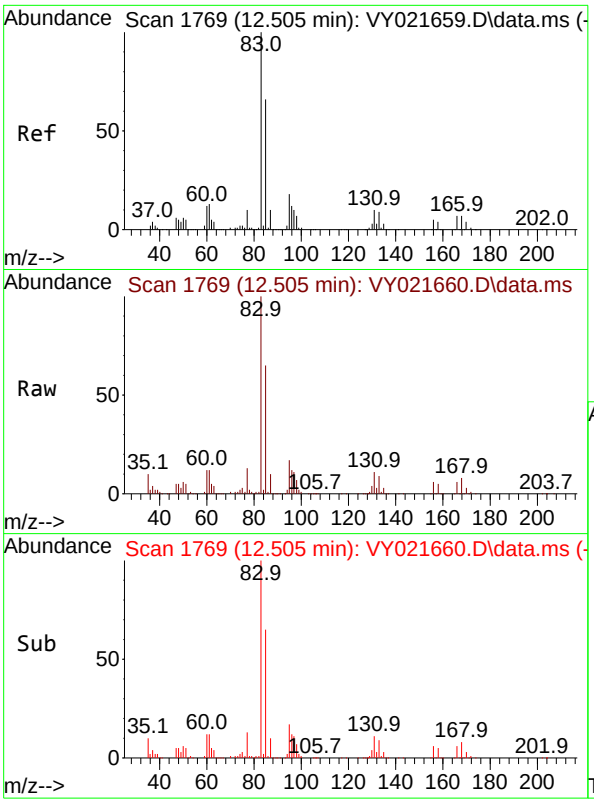


#74
N-amyl acetate
Concen: 103.027 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 43 Resp: 303328

Ion	Ratio	Lower	Upper
43	100		
70	43.3	34.7	52.1
55	25.1	21.2	31.8
61	24.9	19.5	29.3

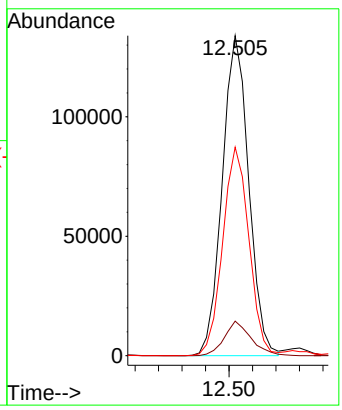




#75
1,1,2,2-Tetrachloroethane
Concen: 92.706 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 83 Resp: 20909

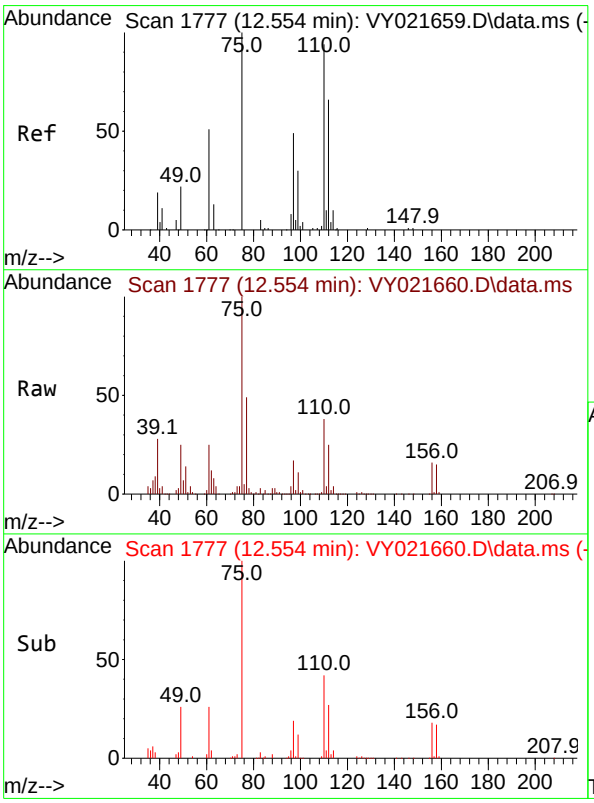
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.1	15.3
85	64.7	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

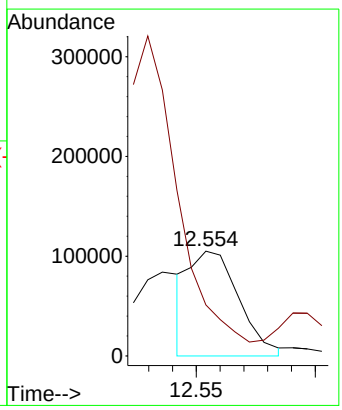
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

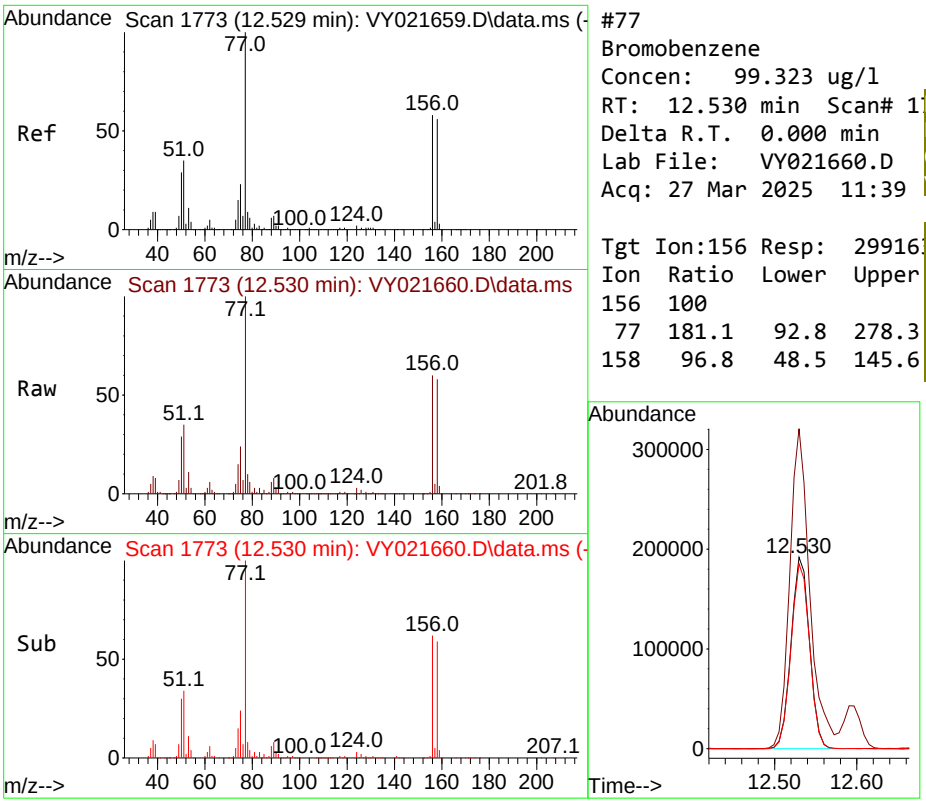


#76
1,2,3-Trichloropropane
Concen: 91.372 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 152979

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 99.323 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

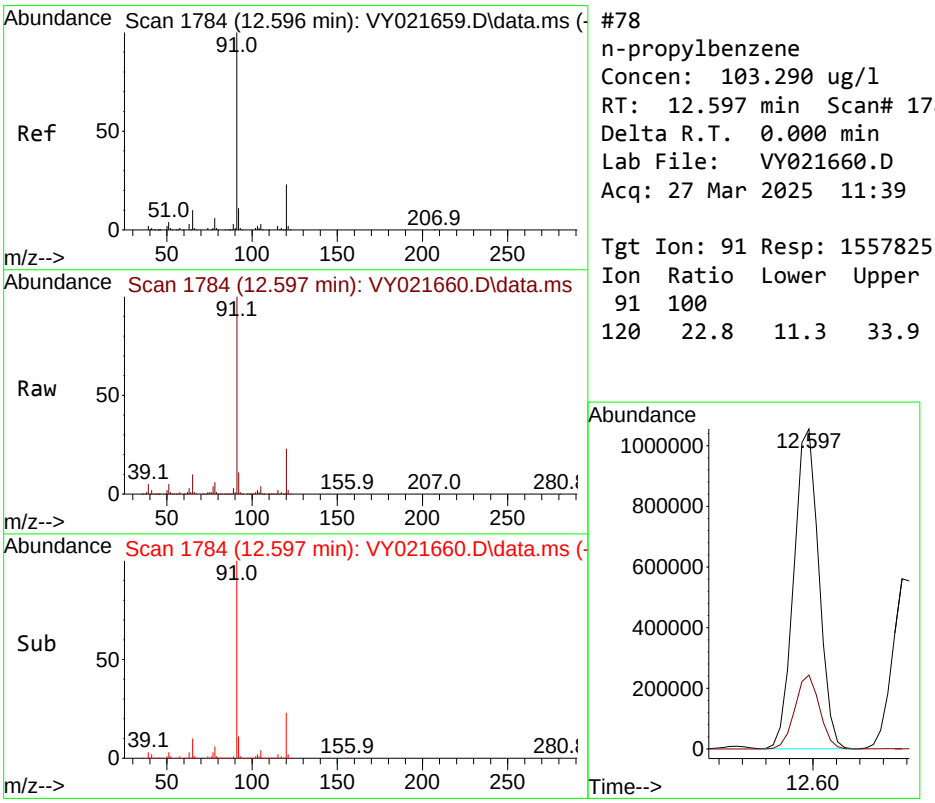
Tgt Ion:156 Resp: 29916

Ion	Ratio	Lower	Upper
156	100		
77	181.1	92.8	278.3
158	96.8	48.5	145.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

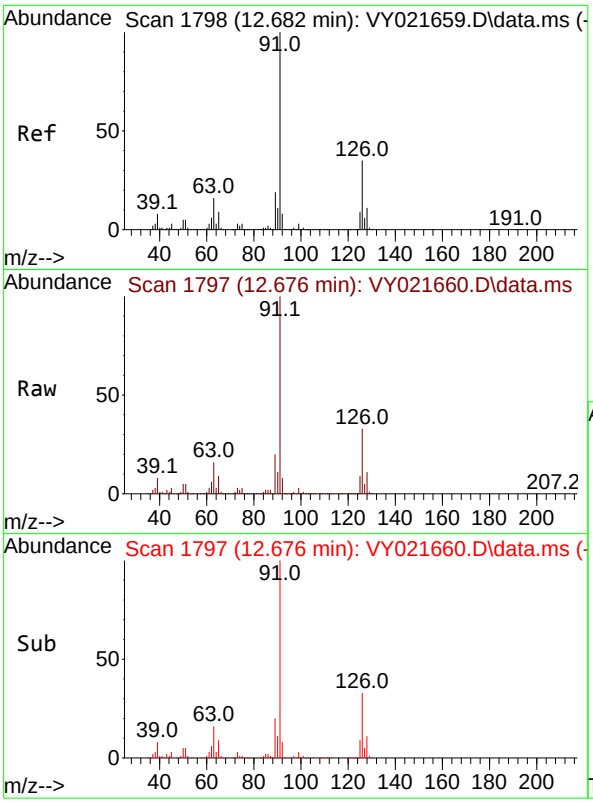
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#78
n-propylbenzene
Concen: 103.290 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 1557825

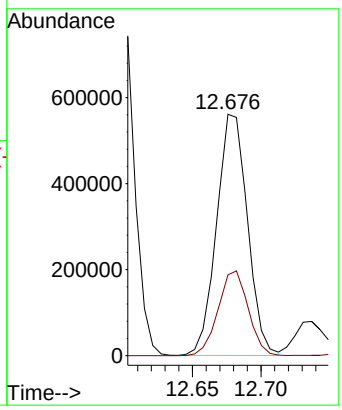
Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.9



#79
2-Chlorotoluene
Concen: 100.382 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 87933

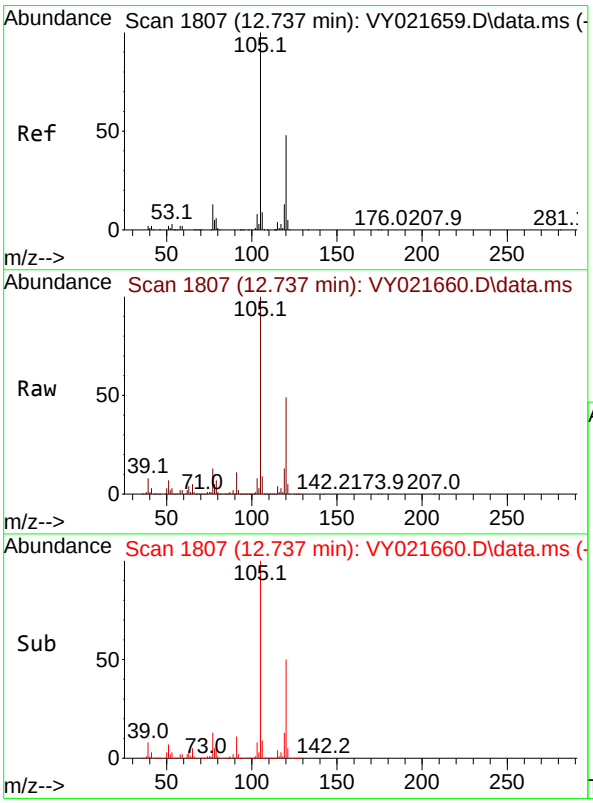
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

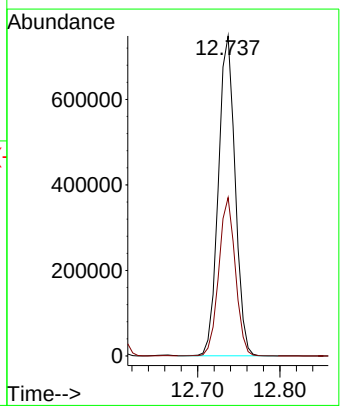
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

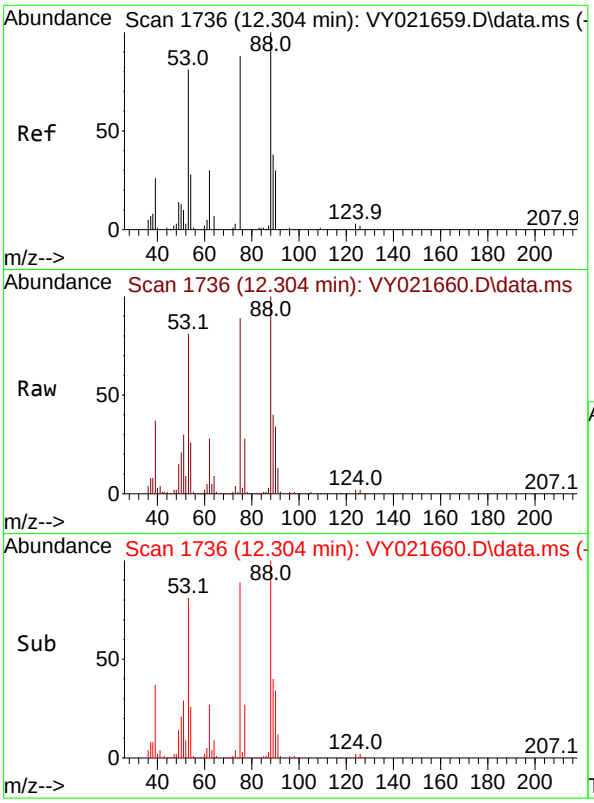


#80
1,3,5-Trimethylbenzene
Concen: 103.480 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:105 Resp: 1060963

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.5	73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 98.330 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

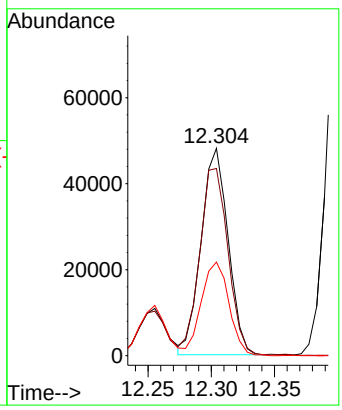
Tgt Ion: 75 Resp: 7144

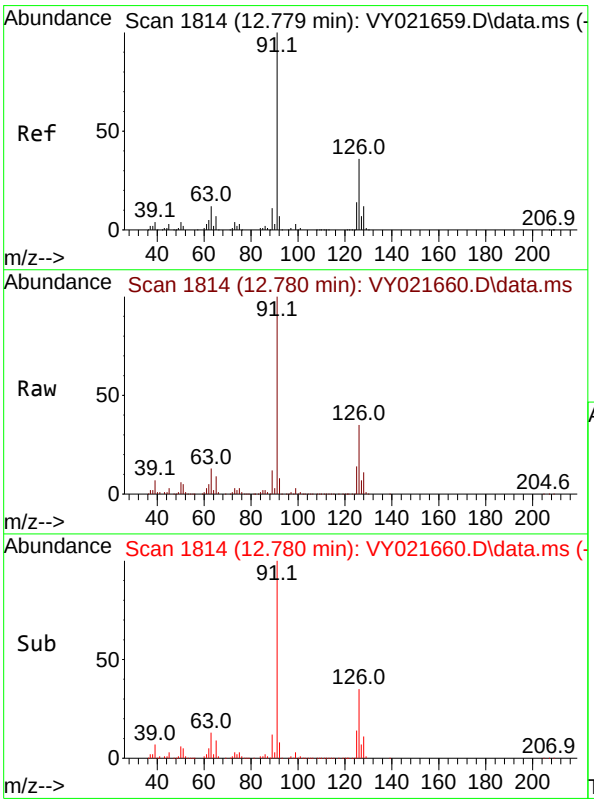
Ion	Ratio	Lower	Upper
75	100		
53	95.8	76.1	114.1
89	46.1	36.2	54.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

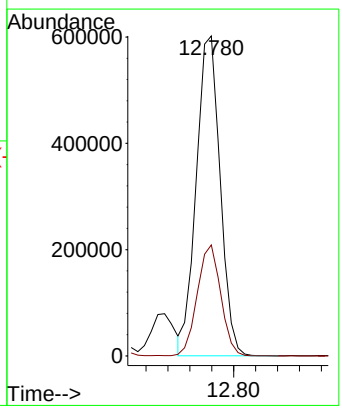


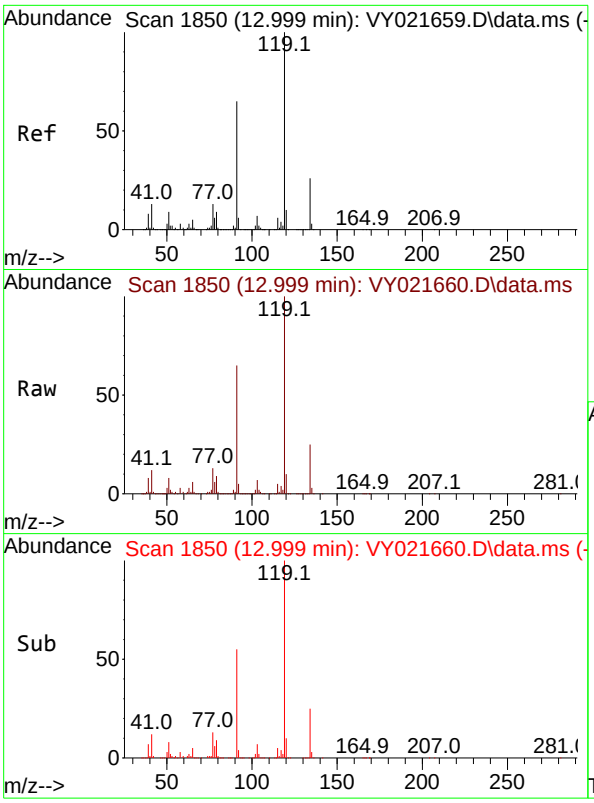


#82
4-Chlorotoluene
Concen: 99.676 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 910295

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	50.9

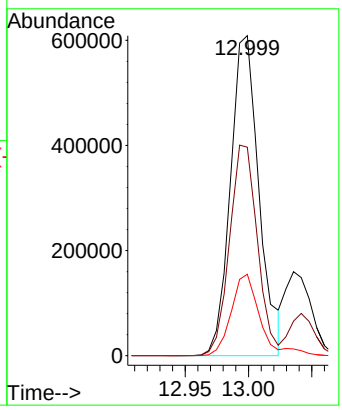




#83
tert-Butylbenzene
Concen: 104.762 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:119 Resp: 95670

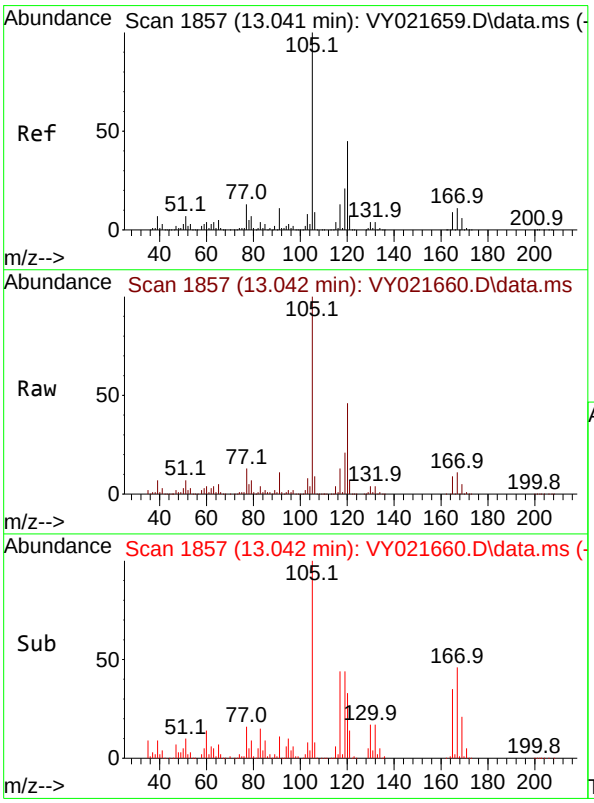
Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.6	97.7
134	25.8	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

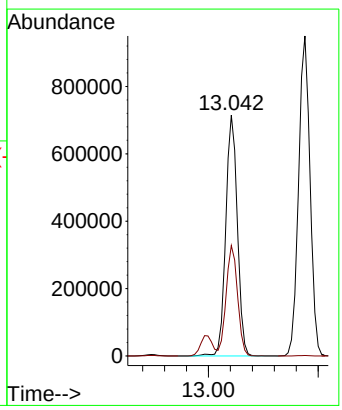
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

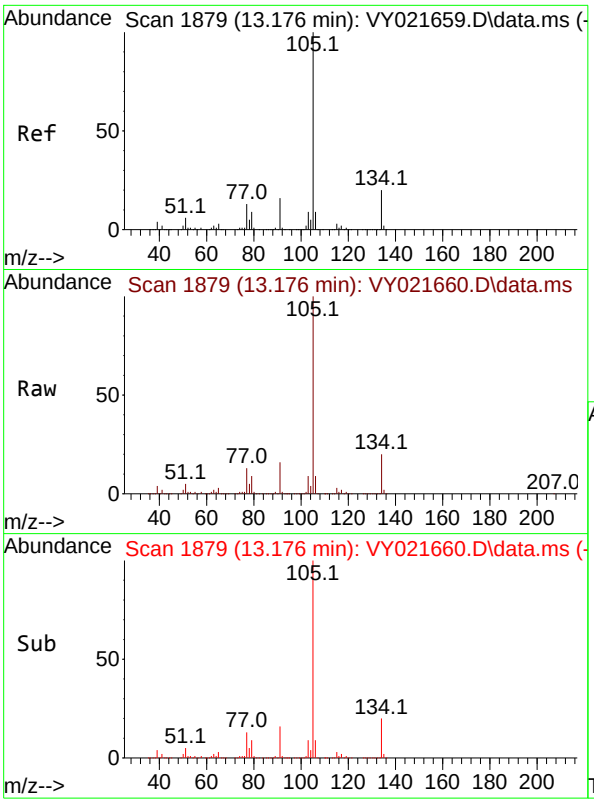


#84
1,2,4-Trimethylbenzene
Concen: 103.880 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:105 Resp: 1052663

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.7	68.1

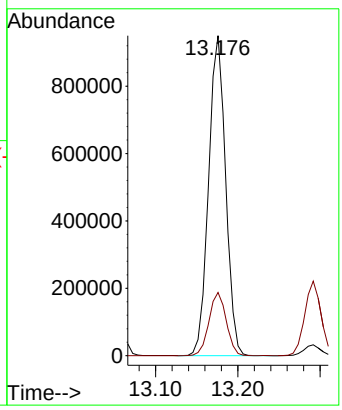




#85
sec-Butylbenzene
Concen: 102.624 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:105 Resp: 136960

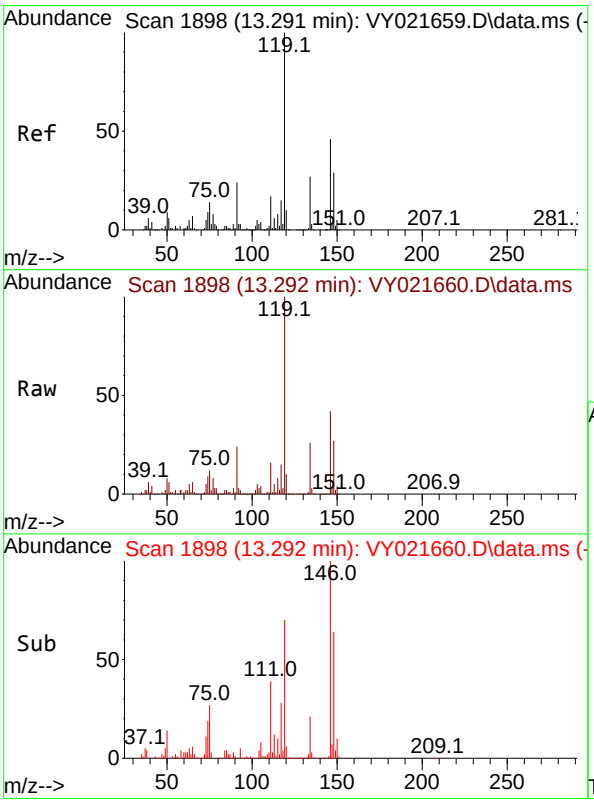
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

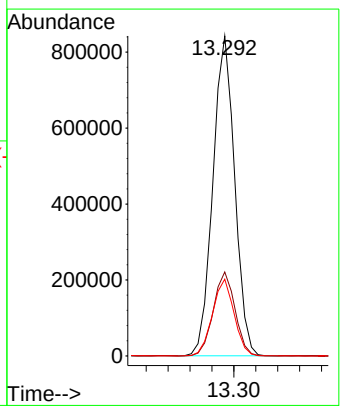
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

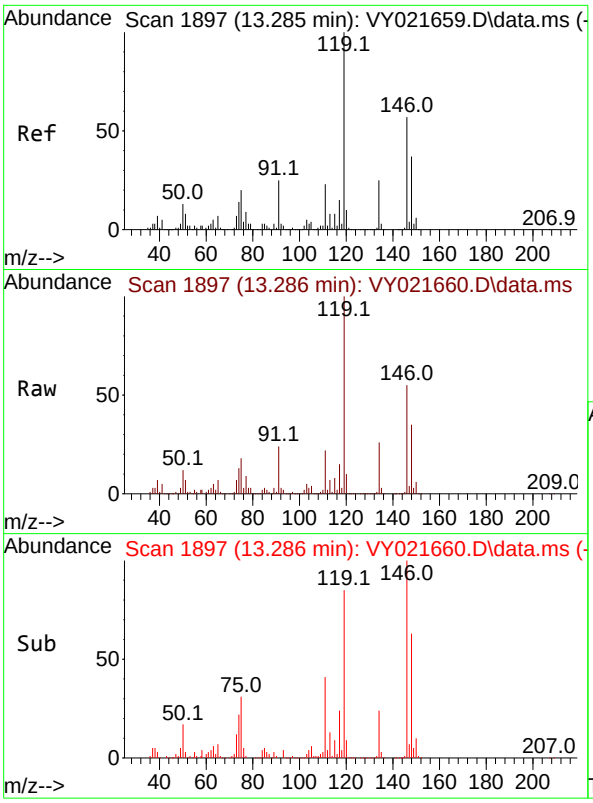


#86
p-Isopropyltoluene
Concen: 105.509 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:119 Resp: 1163796

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.5
91	23.8	12.0	36.0

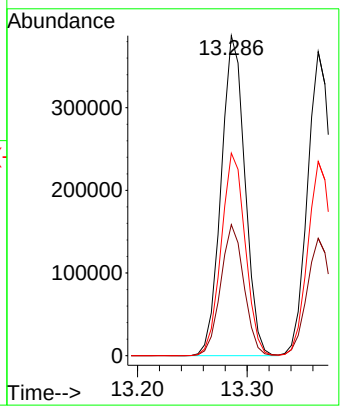




#87
1,3-Dichlorobenzene
Concen: 98.384 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:146 Resp: 58383

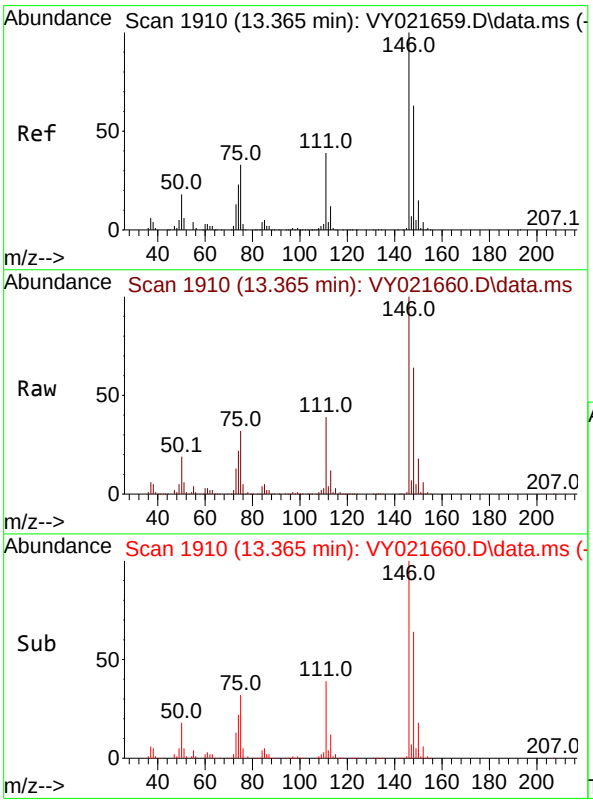
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	63.9	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

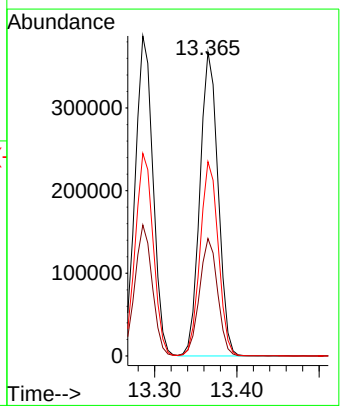
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

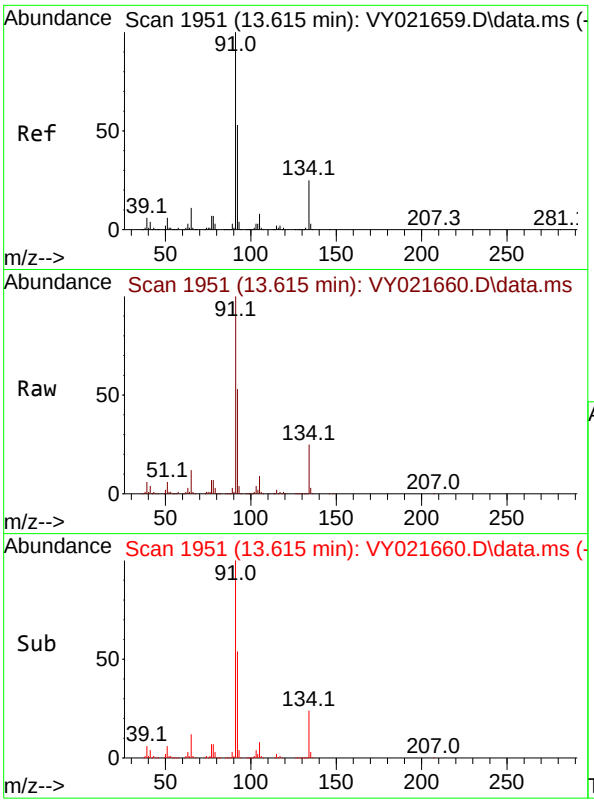


#88
1,4-Dichlorobenzene
Concen: 96.416 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:146 Resp: 565293

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	63.8	31.5	94.5

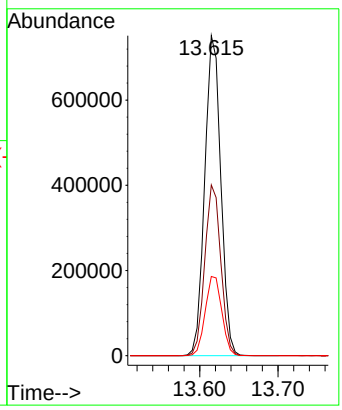




#89
n-Butylbenzene
Concen: 104.828 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 91 Resp: 106935

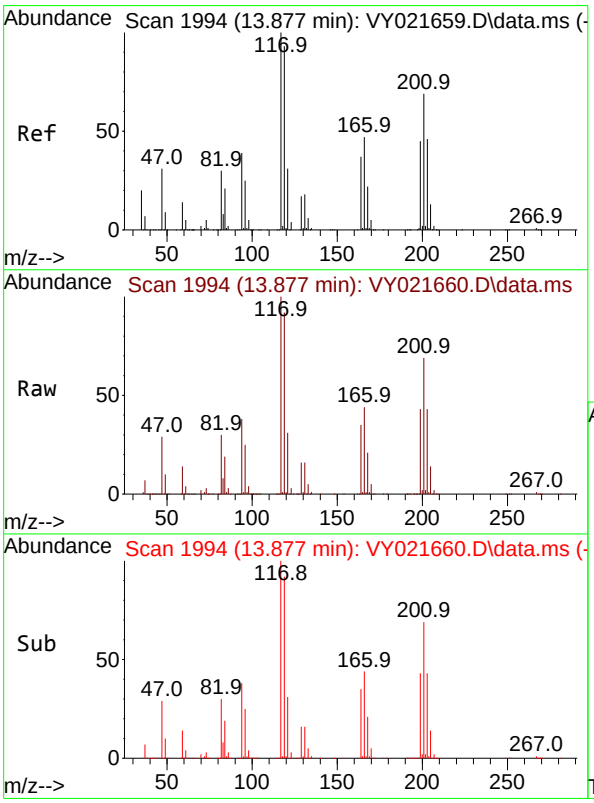
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	25.6	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

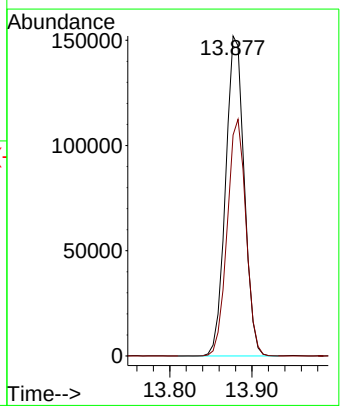
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

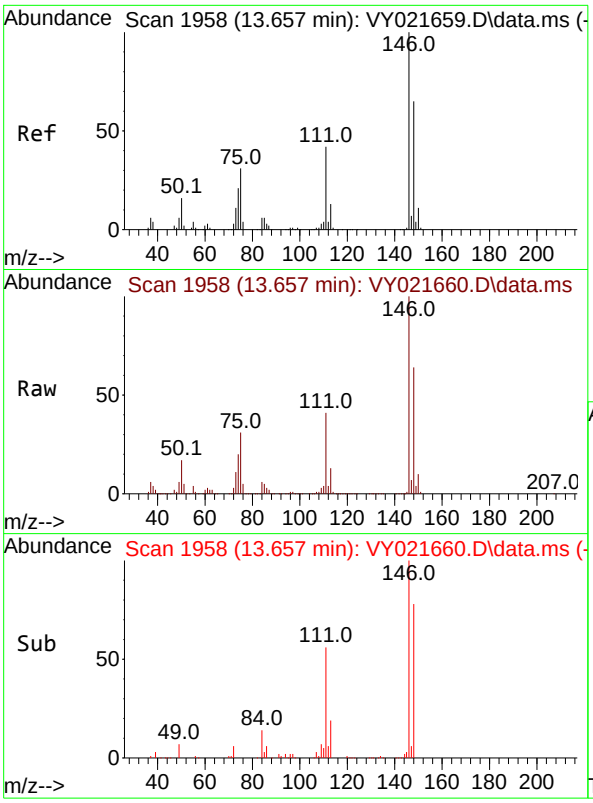


#90
Hexachloroethane
Concen: 99.078 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:117 Resp: 239487

Ion	Ratio	Lower	Upper
117	100		
201	74.5	37.4	112.1

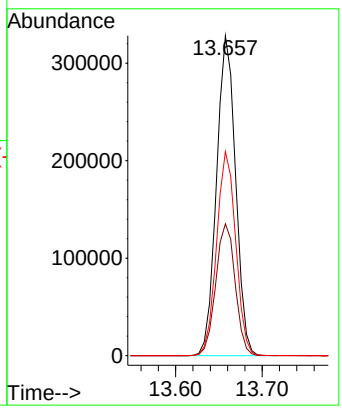




#91
1,2-Dichlorobenzene
Concen: 97.186 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:146 Resp: 50204

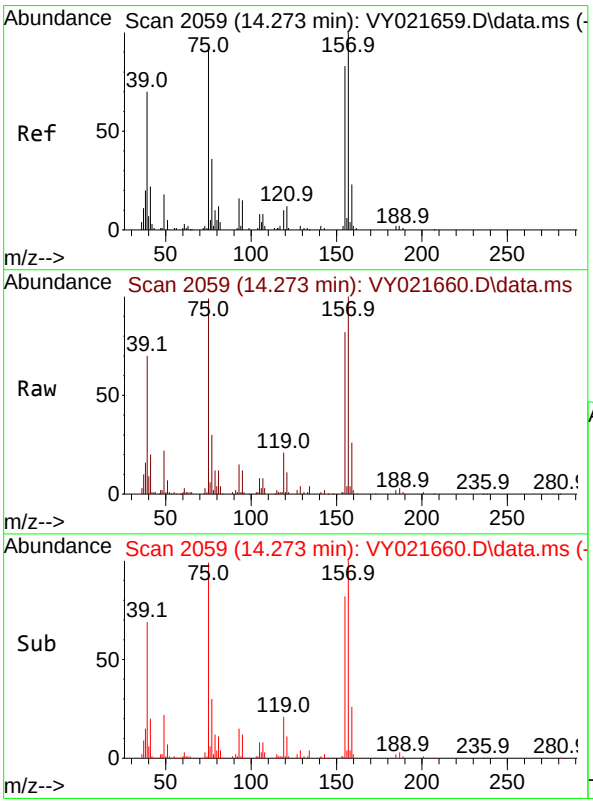
Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	64.0	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

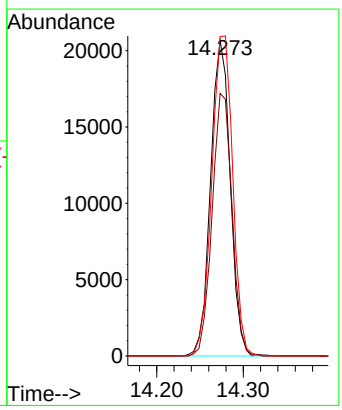
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

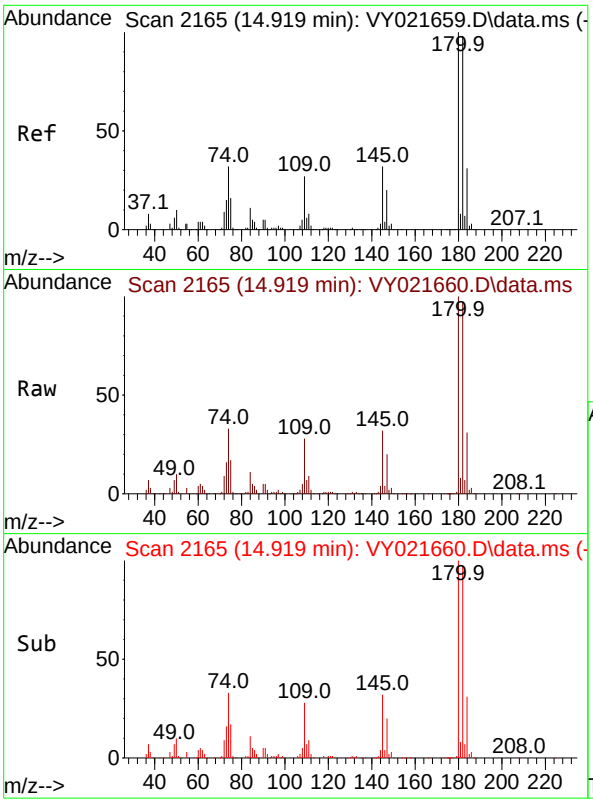


#92
1,2-Dibromo-3-Chloropropane
Concen: 93.136 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion: 75 Resp: 32558

Ion	Ratio	Lower	Upper
75	100		
155	84.2	43.0	128.8
157	107.9	54.0	162.0

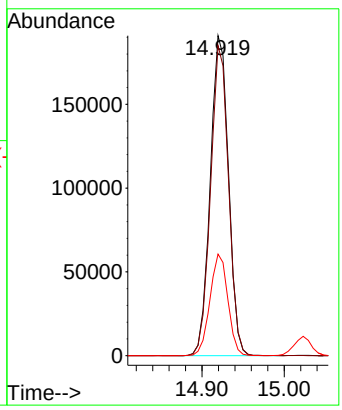




#93
1,2,4-Trichlorobenzene
Concen: 104.943 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:180 Resp: 29398

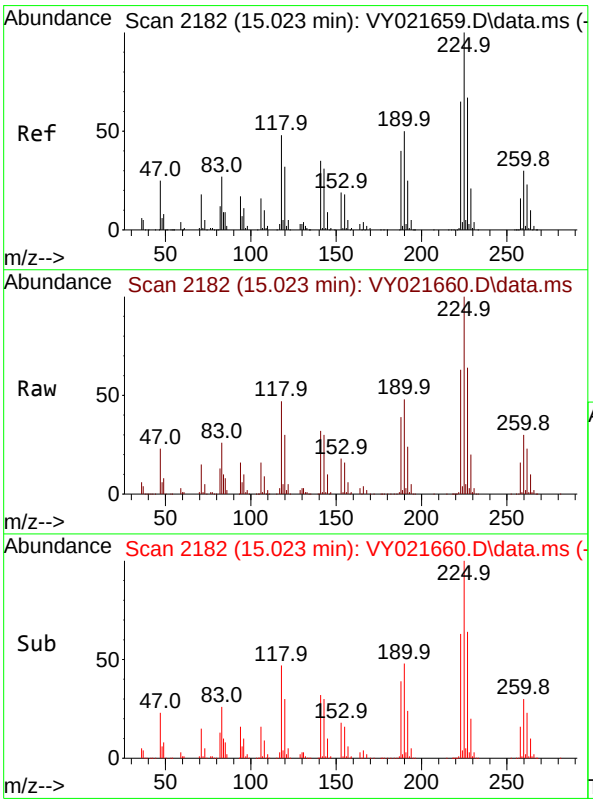
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	31.2	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

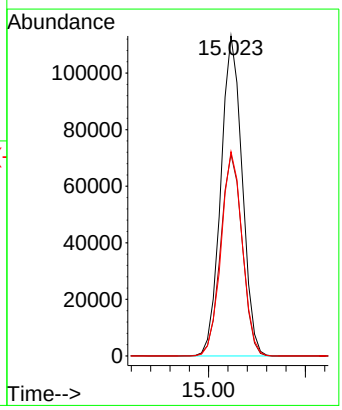
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

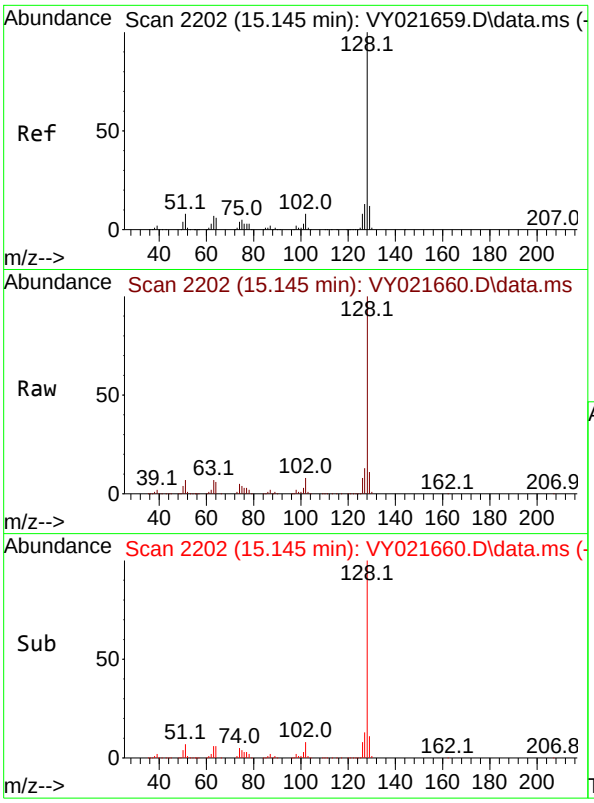


#94
Hexachlorobutadiene
Concen: 98.829 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:225 Resp: 172909

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.5	32.4	97.0

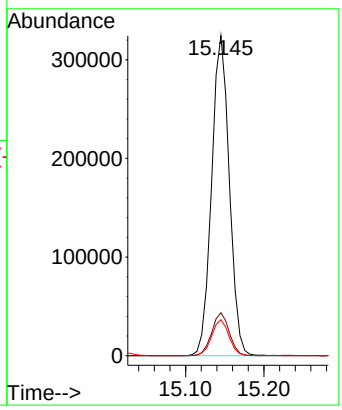




#95
Naphthalene
Concen: 109.498 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:128 Resp: 50844

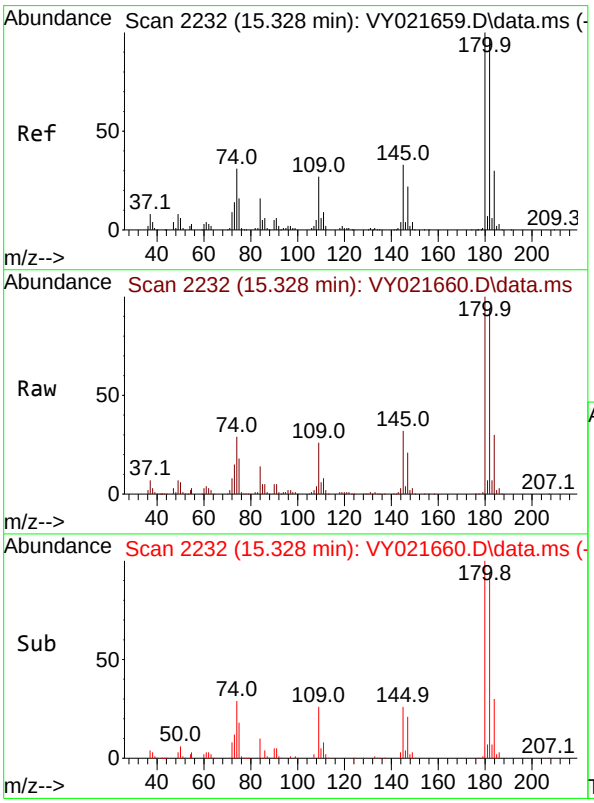
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	11.0	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

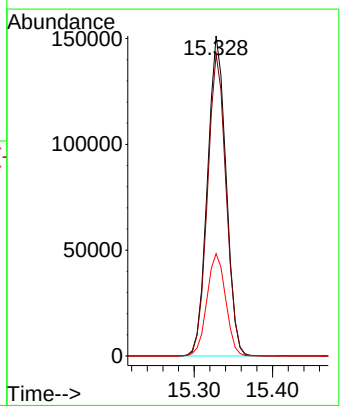
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 104.158 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021660.D
Acq: 27 Mar 2025 11:39

Tgt Ion:180 Resp: 248821

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.5	142.5
145	32.1	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	259676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	412304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	177289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	404952	143.931	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 287.860%#			
35) Dibromofluoromethane	7.634	113	387439	144.862	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 289.720%#			
50) Toluene-d8	10.109	98	1485725	146.020	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 292.040%#			
62) 4-Bromofluorobenzene	12.408	95	503406	146.271	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 292.540%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	348314	129.414	ug/l	99
3) Chloromethane	2.068	50	501654	132.551	ug/l	100
4) Vinyl Chloride	2.202	62	555909	129.884	ug/l	99
5) Bromomethane	2.580	94	394188	135.035	ug/l	99
6) Chloroethane	2.727	64	370633	132.337	ug/l	98
7) Trichlorofluoromethane	3.050	101	712314	129.919	ug/l	99
8) Diethyl Ether	3.452	74	206844	138.727	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	368788	127.532	ug/l	99
10) Methyl Iodide	4.001	142	483364	152.366	ug/l	99
11) Tert butyl alcohol	4.860	59	126577	692.642	ug/l	97
12) 1,1-Dichloroethene	3.787	96	371412	136.361	ug/l	97
13) Acrolein	3.647	56	236449	708.604	ug/l	99
14) Allyl chloride	4.379	41	623865	143.656	ug/l	100
15) Acrylonitrile	5.055	53	439757	706.375	ug/l	99
16) Acetone	3.867	43	395370	686.626	ug/l	99
17) Carbon Disulfide	4.104	76	1209296	134.797	ug/l	99
18) Methyl Acetate	4.379	43	199951	140.110	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1006156	148.374	ug/l	98
20) Methylene Chloride	4.616	84	400434	149.840	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	417906	139.351	ug/l	98
22) Diisopropyl ether	6.019	45	1325167	145.463	ug/l	98
23) Vinyl Acetate	5.958	43	3993494	749.332	ug/l	99
24) 1,1-Dichloroethane	5.915	63	753930	138.403	ug/l	100
25) 2-Butanone	6.890	43	603028	733.215	ug/l	99
26) 2,2-Dichloropropane	6.884	77	678134	139.949	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	490349	145.395	ug/l	99
28) Bromochloromethane	7.244	49	313542	136.480	ug/l	99
29) Tetrahydrofuran	7.262	42	379413	716.799	ug/l	98
30) Chloroform	7.421	83	779319	137.548	ug/l	98
31) Cyclohexane	7.701	56	637533	128.388	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	696016	135.918	ug/l	99
36) 1,1-Dichloropropene	7.835	75	556974	136.722	ug/l	99
37) Ethyl Acetate	6.982	43	259188	134.812	ug/l	100
38) Carbon Tetrachloride	7.817	117	627331	134.452	ug/l	98
39) Methylcyclohexane	9.110	83	679694	139.666	ug/l	99
40) Benzene	8.079	78	1695962	139.014	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	143387	140.447 ug/l #	100
42) 1,2-Dichloroethane	8.158	62	468317	136.165 ug/l	100
43) Isopropyl Acetate	8.195	43	527316	144.731 ug/l #	87
44) Trichloroethene	8.866	130	430629	138.536 ug/l	99
45) 1,2-Dichloropropane	9.140	63	401955	139.191 ug/l	99
46) Dibromomethane	9.231	93	228287	137.167 ug/l	98
47) Bromodichloromethane	9.420	83	598421	138.764 ug/l	98
48) Methyl methacrylate	9.219	41	251339	150.306 ug/l	99
49) 1,4-Dioxane	9.225	88	53338	2991.658 ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	1397678	737.160 ug/l	100
52) Toluene	10.170	92	1094229	143.758 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	570388	148.908 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	660476	146.159 ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	296412	138.396 ug/l	99
56) Ethyl methacrylate	10.439	69	443517	162.176 ug/l	98
57) 1,3-Dichloropropane	10.719	76	517706	139.961 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	1061779	795.867 ug/l	100
59) 2-Hexanone	10.762	43	955051	756.341 ug/l	99
60) Dibromochloromethane	10.908	129	417230	142.682 ug/l	99
61) 1,2-Dibromoethane	11.018	107	283453	141.082 ug/l	98
64) Tetrachloroethene	10.646	164	421368	125.966 ug/l	98
65) Chlorobenzene	11.444	112	1182770	140.483 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	420924	140.910 ug/l	100
67) Ethyl Benzene	11.518	91	2131884	147.665 ug/l	100
68) m/p-Xylenes	11.627	106	1610305	291.277 ug/l	100
69) o-Xylene	11.957	106	764721	149.852 ug/l	98
70) Styrene	11.969	104	1300778	152.877 ug/l	99
71) Bromoform	12.133	173	244045	143.224 ug/l #	99
73) Isopropylbenzene	12.255	105	1969094	149.537 ug/l	99
74) N-amyl acetate	12.072	43	498903	161.437 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	335483	141.706 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	249855m	142.174 ug/l	
77) Bromobenzene	12.530	156	461221	145.881 ug/l	99
78) n-propylbenzene	12.597	91	2344286	148.082 ug/l	100
79) 2-Chlorotoluene	12.682	91	1343328	146.095 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1607812	149.397 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	119086	156.137 ug/l	99
82) 4-Chlorotoluene	12.780	91	1386233	144.608 ug/l	100
83) tert-Butylbenzene	12.999	119	1444053	150.647 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1616812	152.003 ug/l	100
85) sec-Butylbenzene	13.176	105	2052157	146.493 ug/l	99
86) p-Isopropyltoluene	13.292	119	1769866	152.863 ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	898070	144.177 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	864599	140.489 ug/l	99
89) n-Butylbenzene	13.615	91	1609064	150.273 ug/l	99
90) Hexachloroethane	13.883	117	363244	143.167 ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	779021	143.668 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	54066	147.345 ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	472845	160.803 ug/l	99
94) Hexachlorobutadiene	15.023	225	261678	142.491 ug/l	98
95) Naphthalene	15.145	128	859499	176.342 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	400315	159.646 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021661.D
Acq On : 27 Mar 2025 12:02
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:18:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

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

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

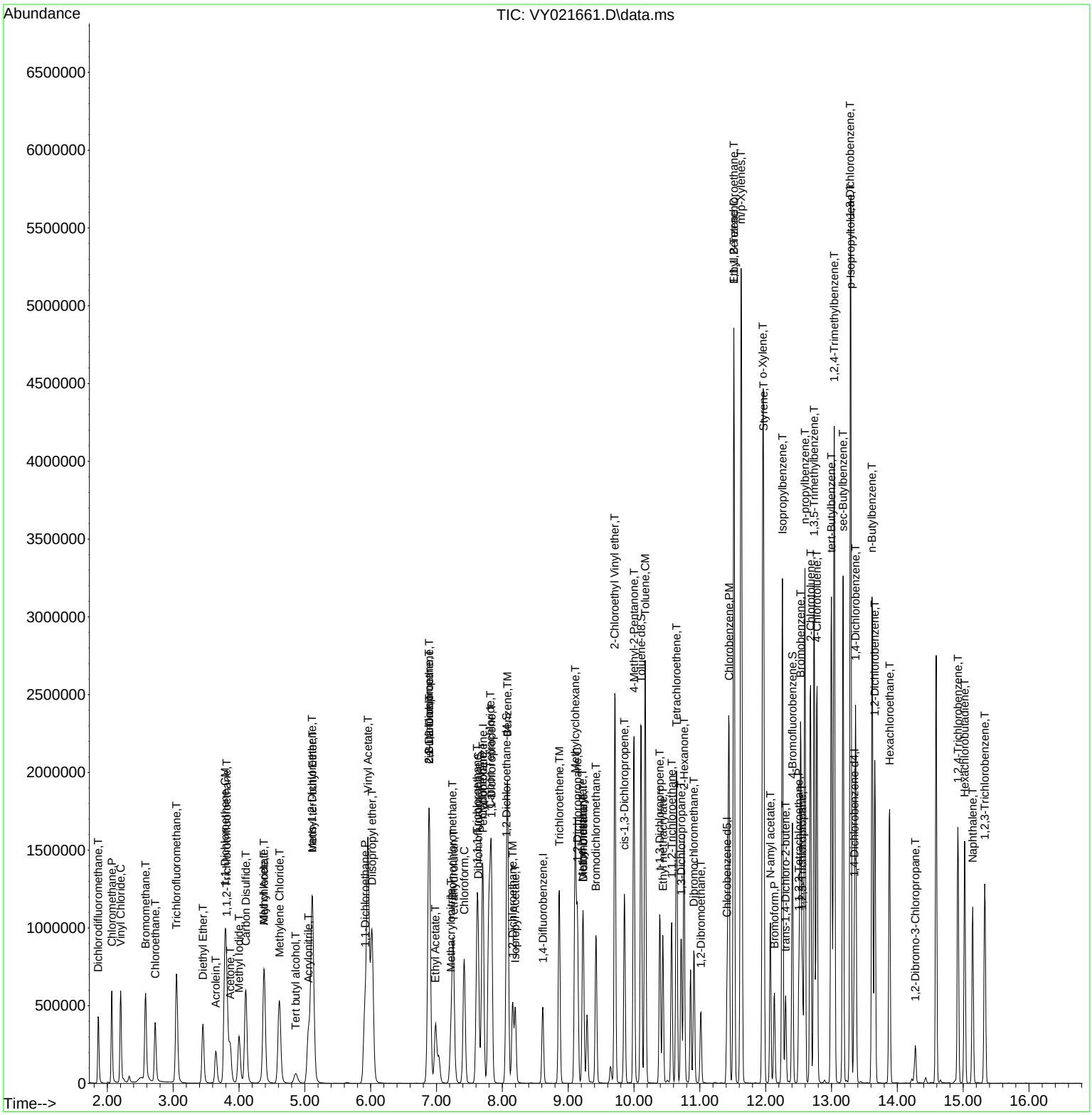
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Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

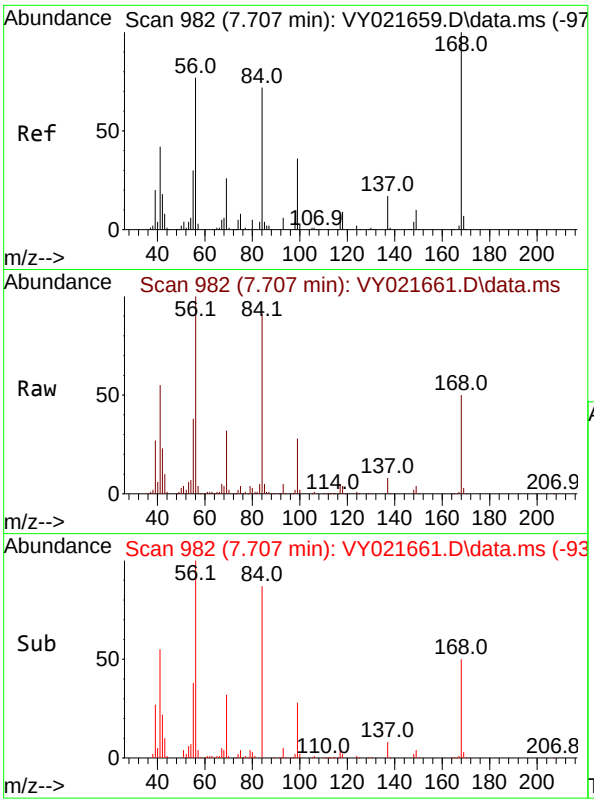
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:08:57 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

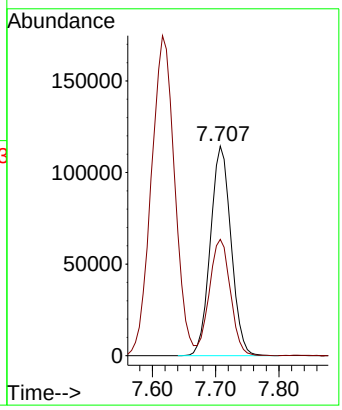




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:168 Resp: 25967

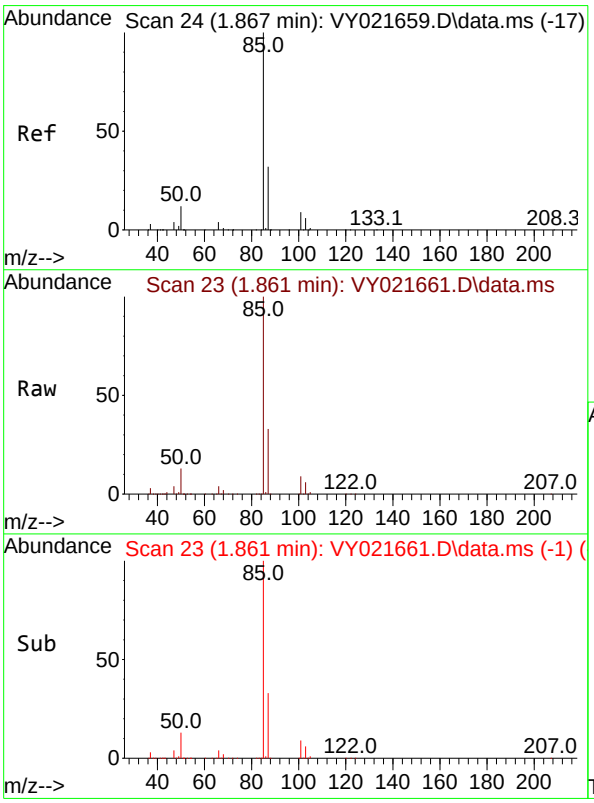
Ion	Ratio	Lower	Upper
168	100		
99	55.5	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

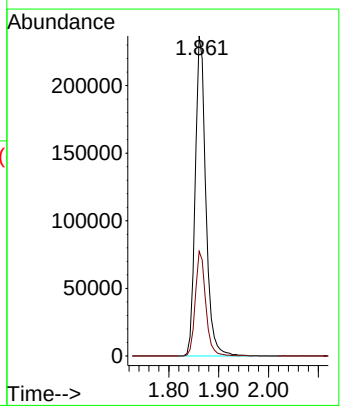
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

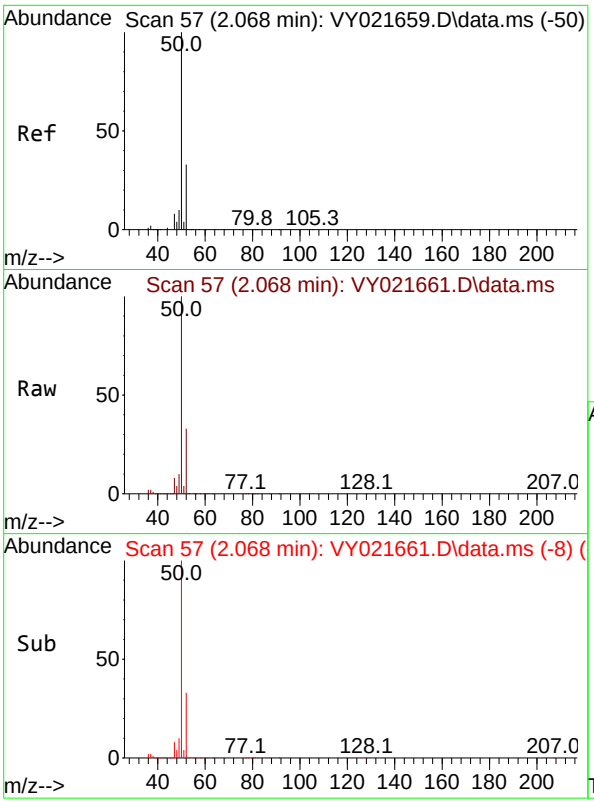


#2
Dichlorodifluoromethane
Concen: 129.414 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 85 Resp: 348314

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.2	48.6

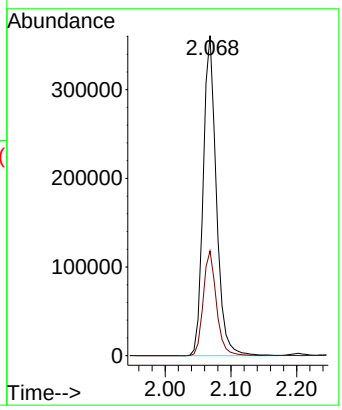




#3
Chloromethane
Concen: 132.551 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 50 Resp: 50165

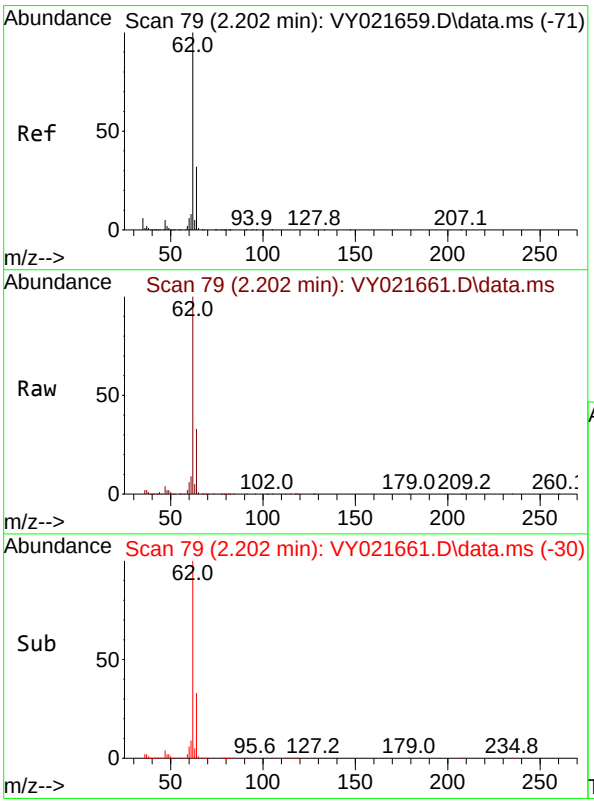
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

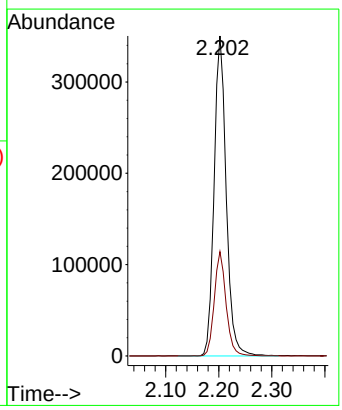
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

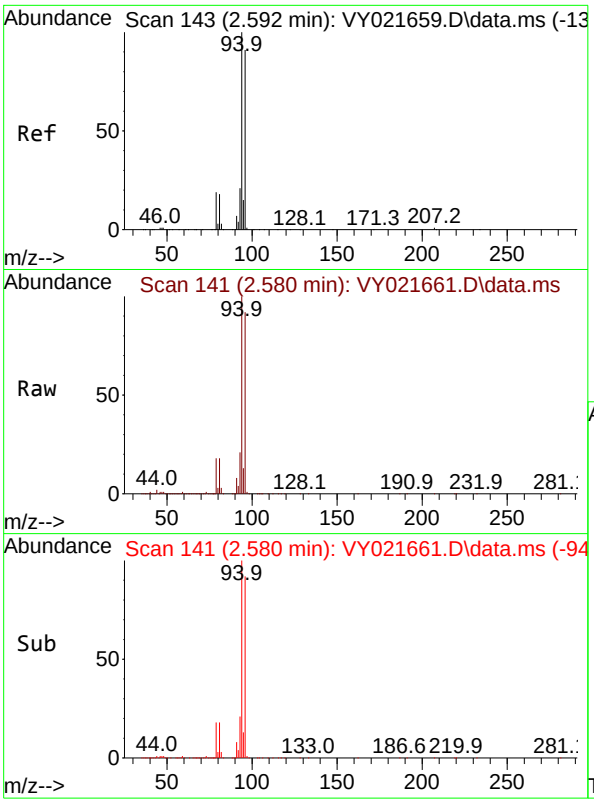


#4
Vinyl Chloride
Concen: 129.884 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 62 Resp: 555909

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.5	38.3





#5
Bromomethane
Concen: 135.035 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

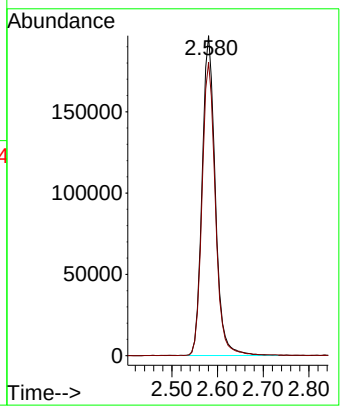
Tgt Ion: 94 Resp: 39418

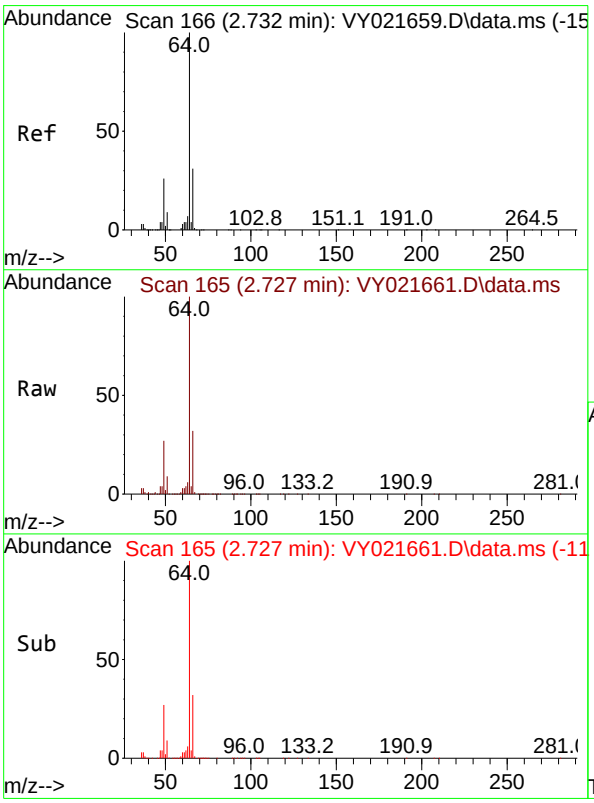
Ion	Ratio	Lower	Upper
94	100		
96	91.6	72.8	109.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

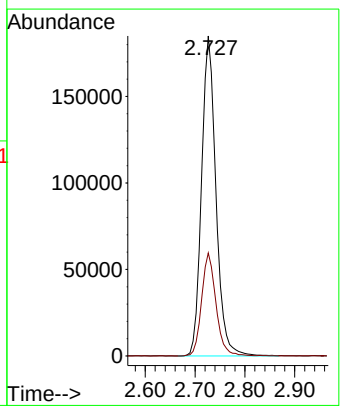


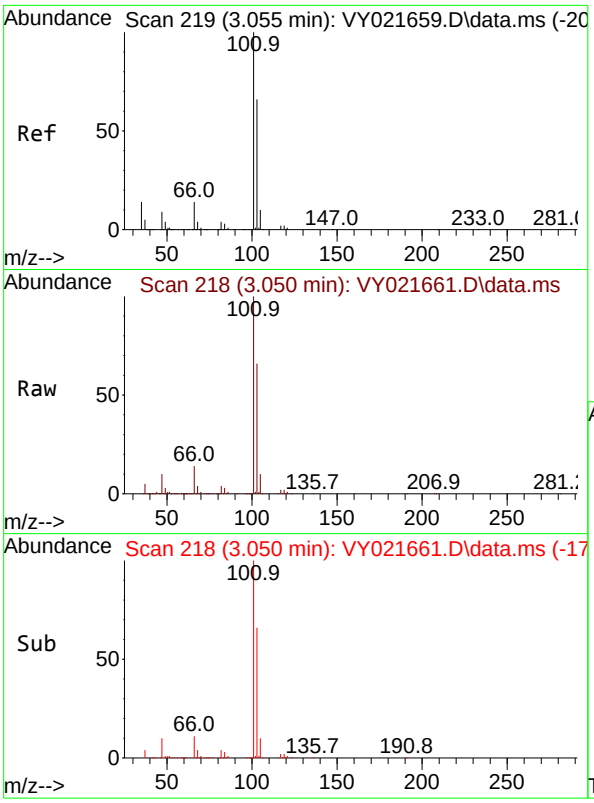


#6
Chloroethane
Concen: 132.337 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 64 Resp: 370633

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.9	37.3

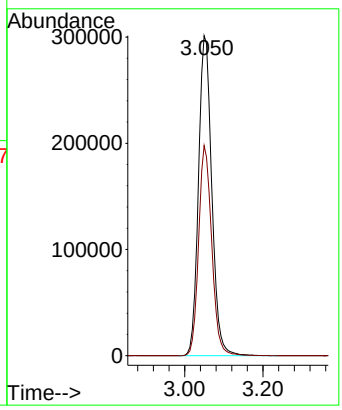




#7
Trichlorofluoromethane
Concen: 129.919 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:101 Resp: 71231

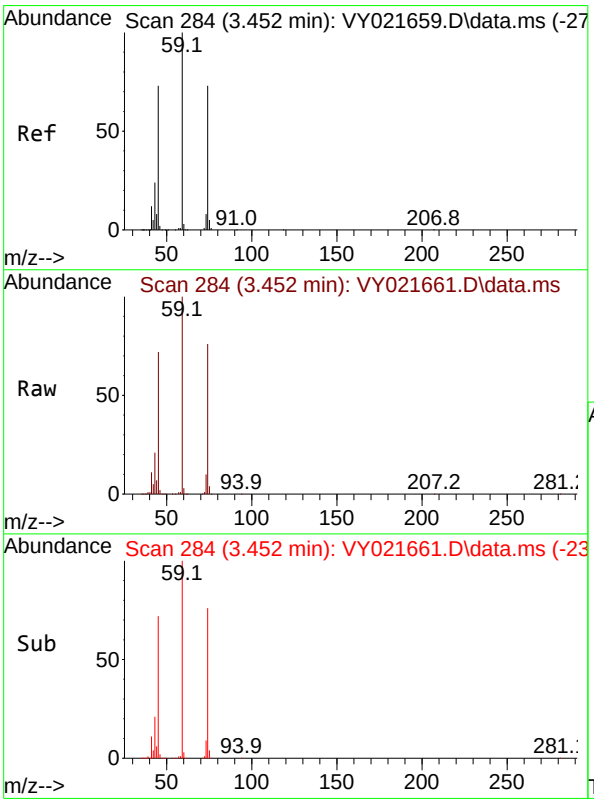
Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

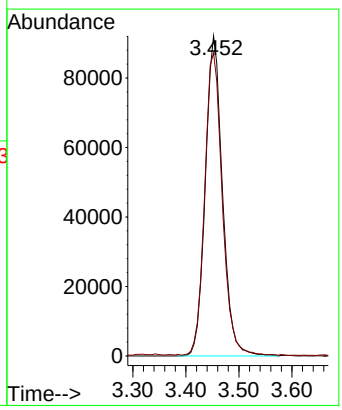
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

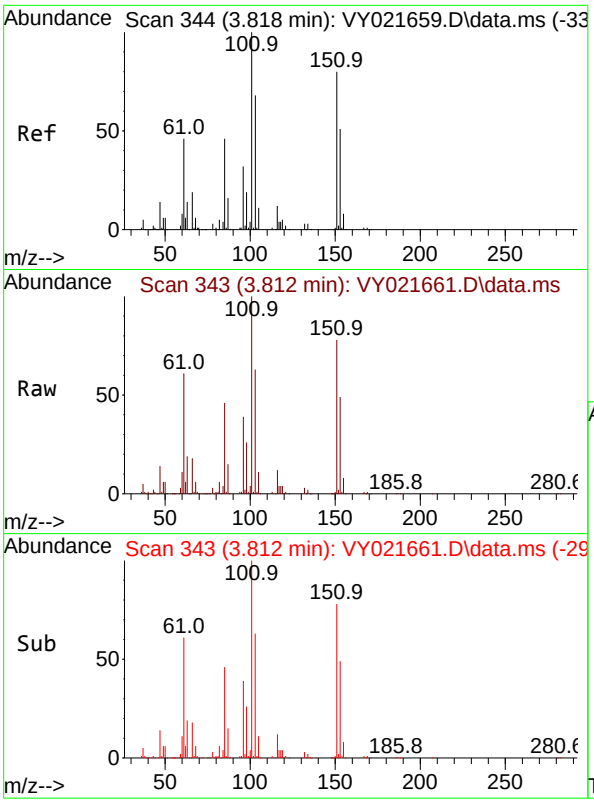


#8
Diethyl Ether
Concen: 138.727 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 74 Resp: 206844

Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.6	145.8

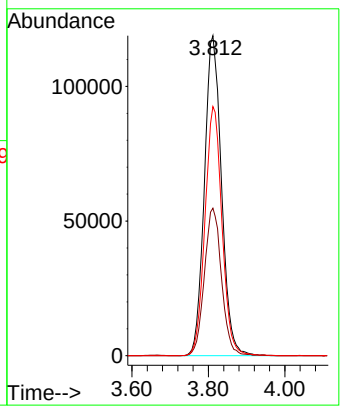




#9
1,1,2-Trichlorotrifluoroethane
Concen: 127.532 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:101 Resp: 36878

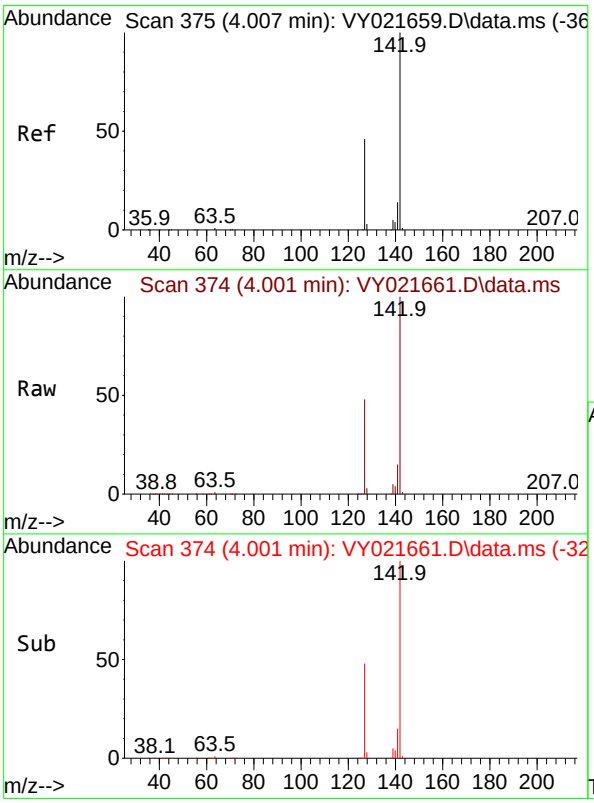
Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.3	54.5
151	77.5	61.3	91.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

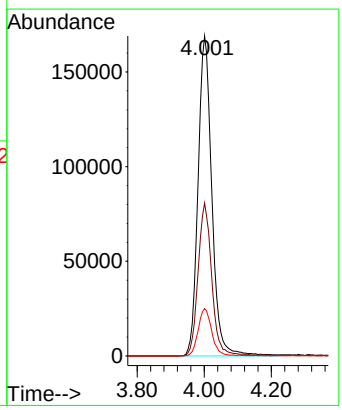
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

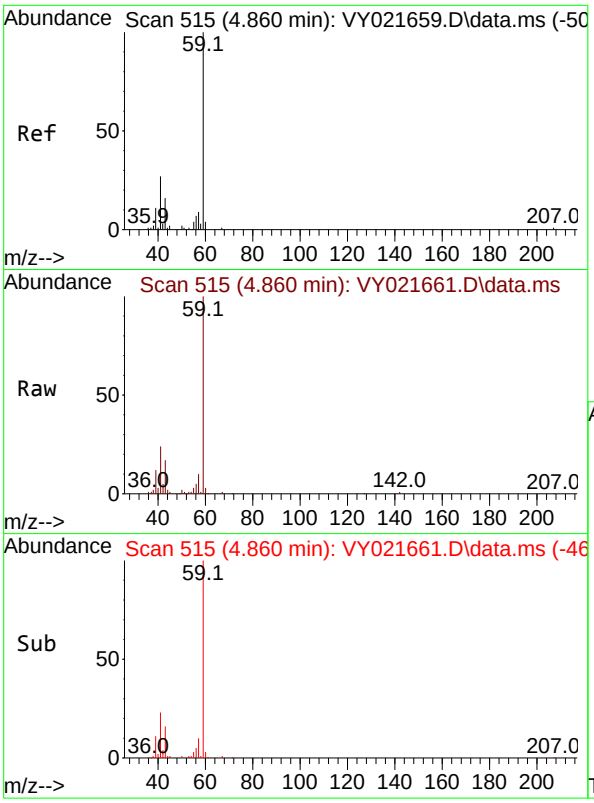


#10
Methyl Iodide
Concen: 152.366 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:142 Resp: 483364

Ion	Ratio	Lower	Upper
142	100		
127	47.4	38.7	58.1
141	14.5	11.5	17.3

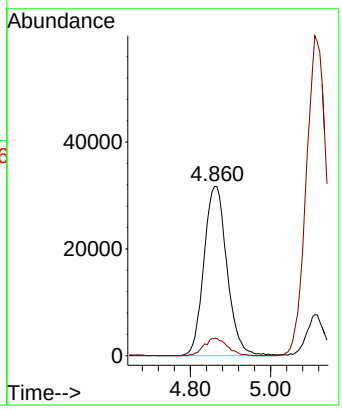




#11
Tert butyl alcohol
Concen: 692.642 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 59 Resp: 12657

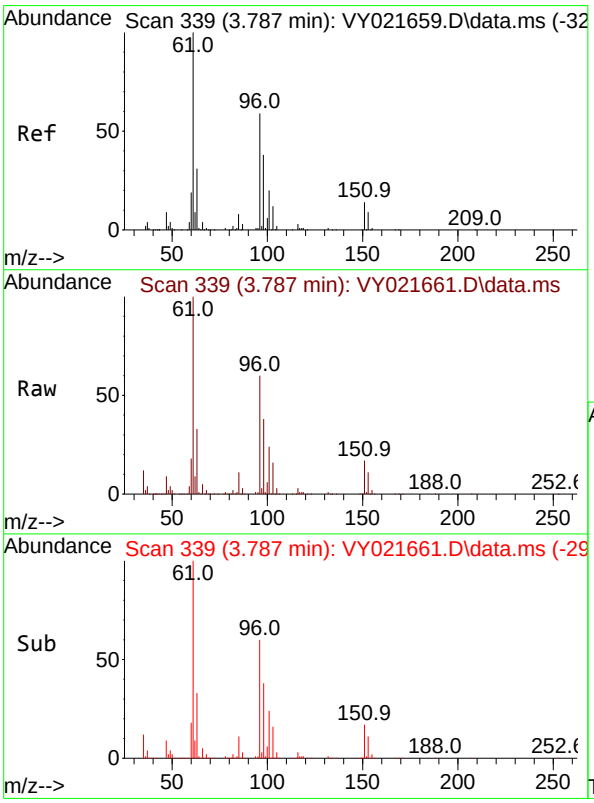
Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

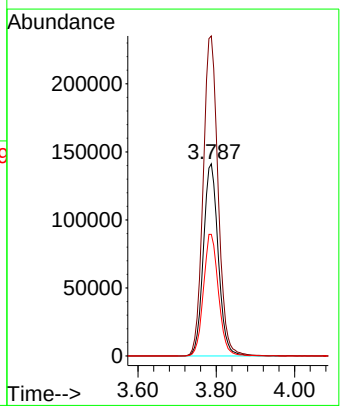
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

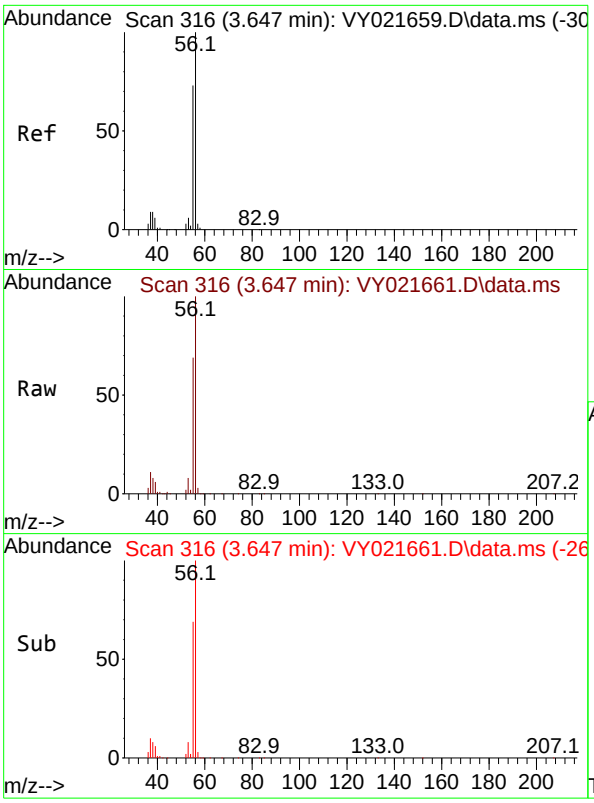


#12
1,1-Dichloroethene
Concen: 136.361 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 96 Resp: 371412

Ion	Ratio	Lower	Upper
96	100		
61	166.5	136.6	204.8
98	63.3	52.3	78.5

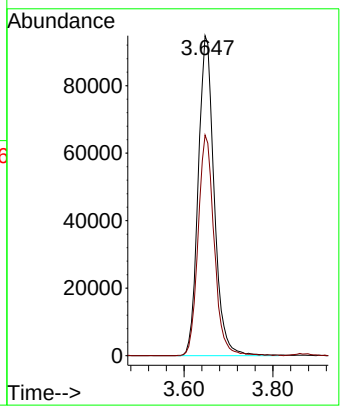




#13
Acrolein
Concen: 708.604 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 56 Resp: 23644

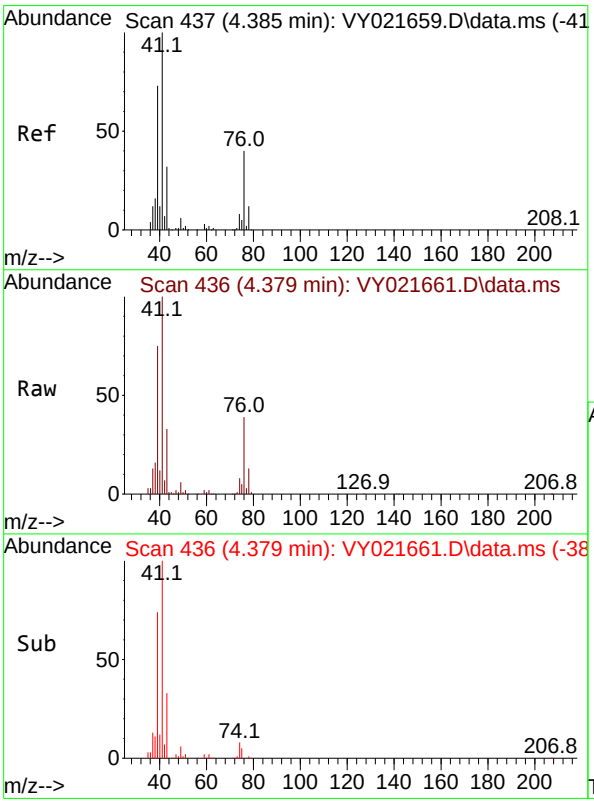
Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

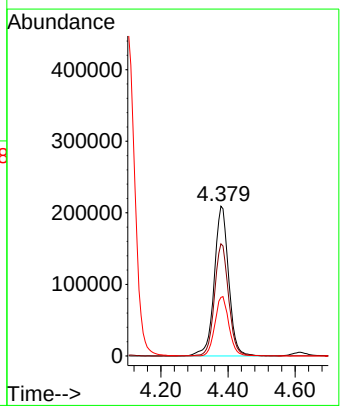
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

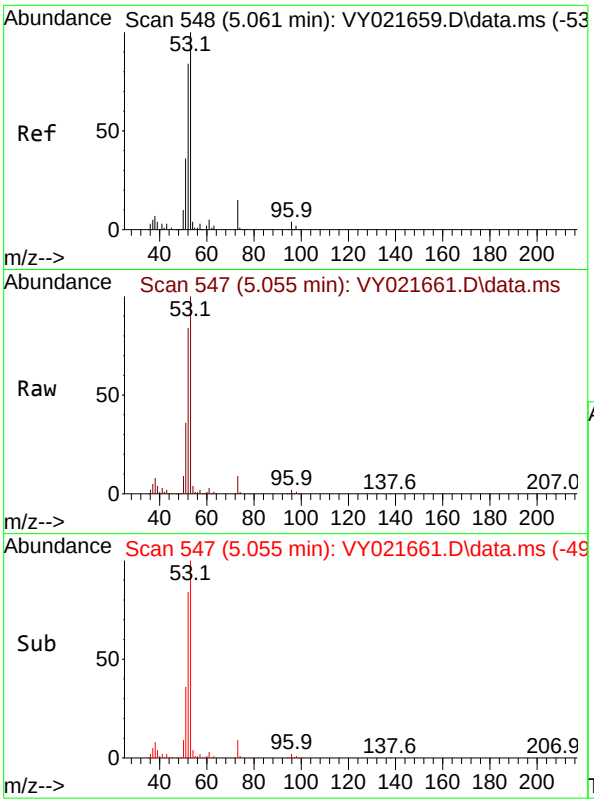


#14
Allyl chloride
Concen: 143.656 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 41 Resp: 623865

Ion	Ratio	Lower	Upper
41	100		
39	73.5	58.6	88.0
76	38.2	30.3	45.5

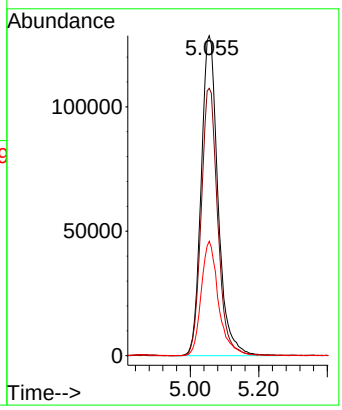




#15
Acrylonitrile
Concen: 706.375 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 53 Resp: 43975

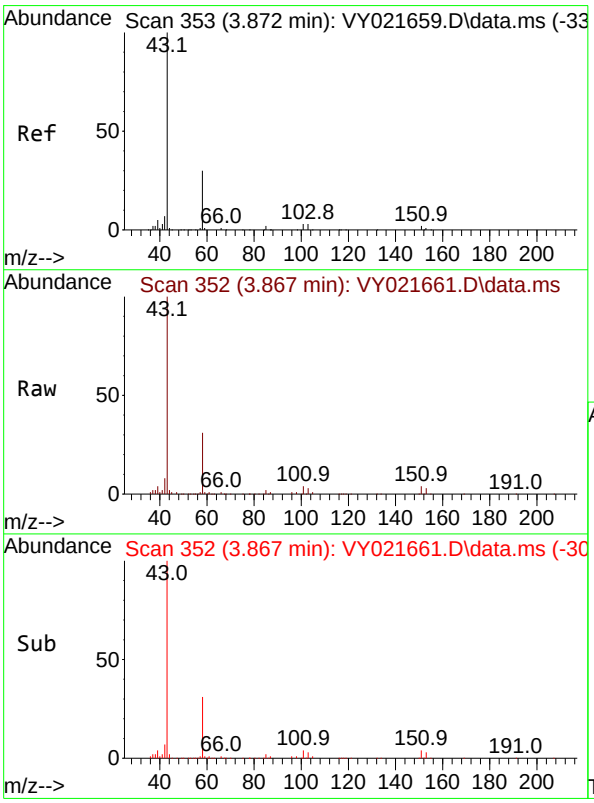
Ion	Ratio	Lower	Upper
53	100		
52	82.0	64.9	97.3
51	37.0	30.2	45.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

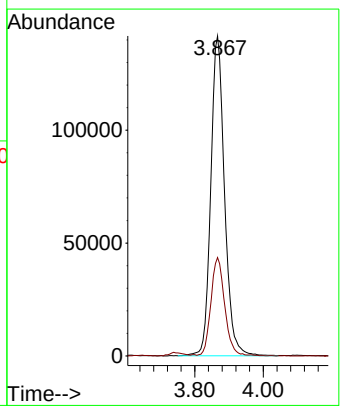
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

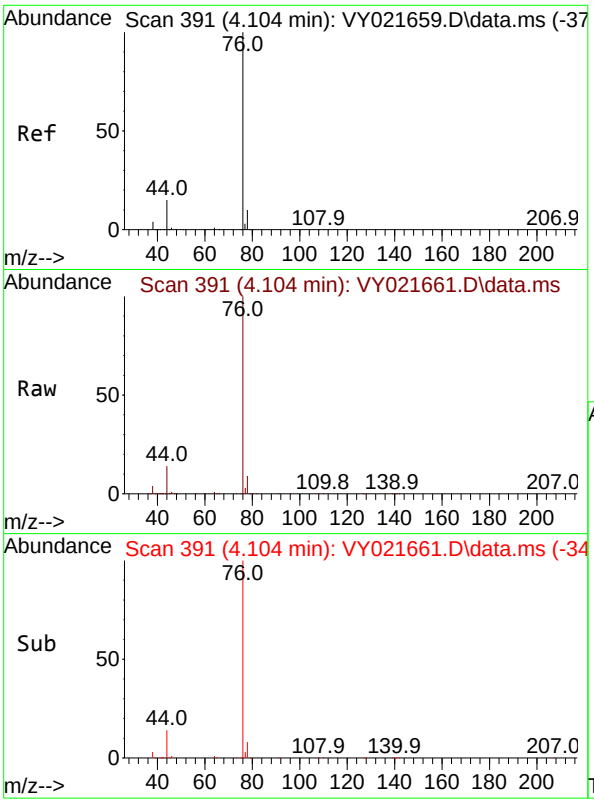


#16
Acetone
Concen: 686.626 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 395370

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4

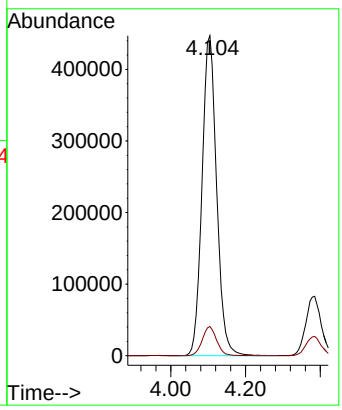




#17
Carbon Disulfide
Concen: 134.797 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 76 Resp: 120929

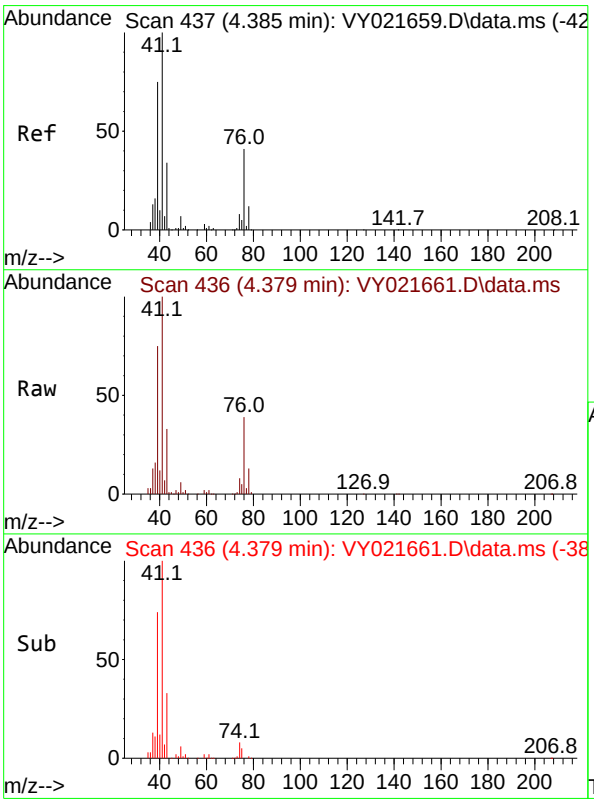
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

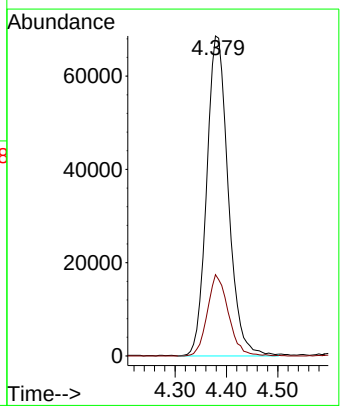
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

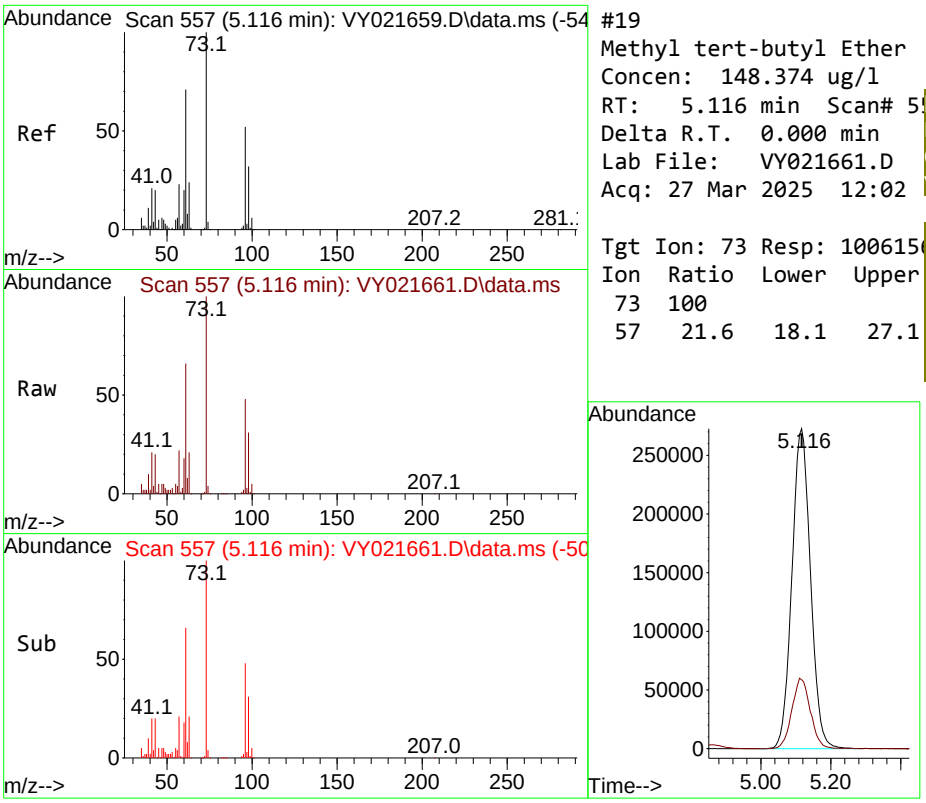


#18
Methyl Acetate
Concen: 140.110 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 199951

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.1	28.7





#19
Methyl tert-butyl Ether
Concen: 148.374 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

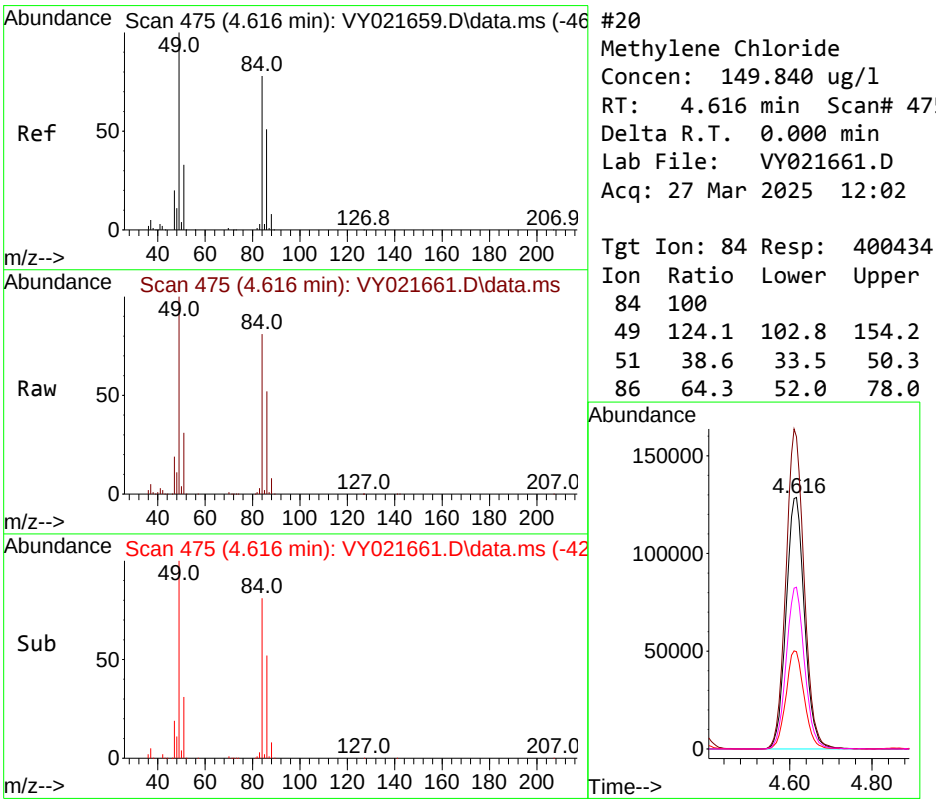
Tgt Ion: 73 Resp: 100615

Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.1	27.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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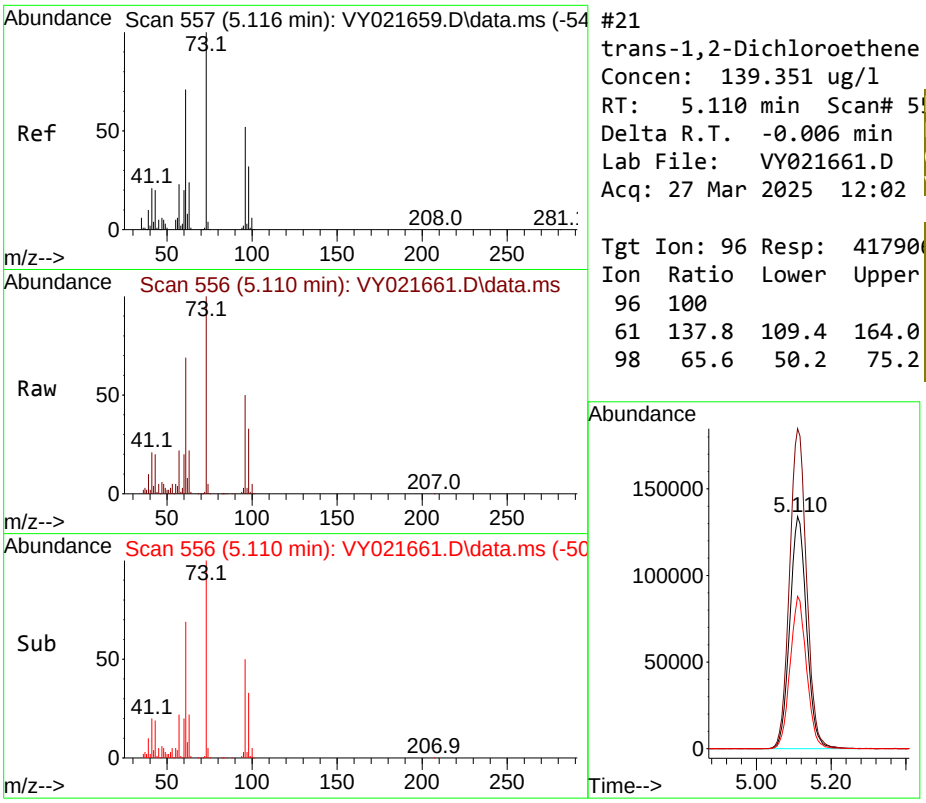
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#20
Methylene Chloride
Concen: 149.840 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 84 Resp: 400434

Ion	Ratio	Lower	Upper
84	100		
49	124.1	102.8	154.2
51	38.6	33.5	50.3
86	64.3	52.0	78.0



#21
trans-1,2-Dichloroethene
Concen: 139.351 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

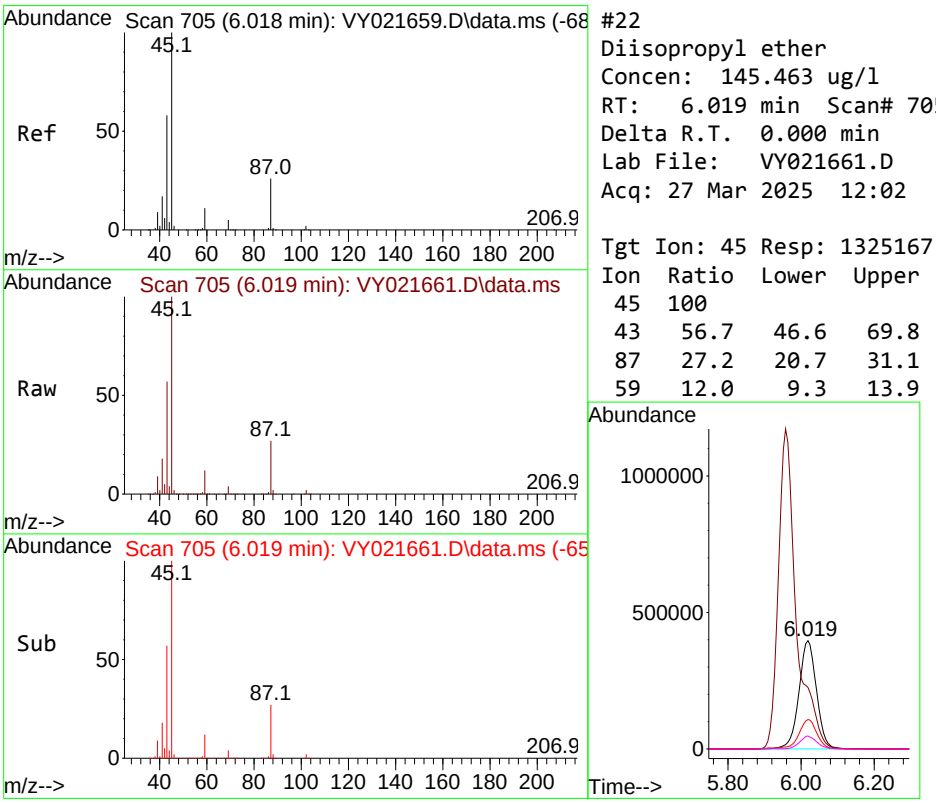
Tgt Ion: 96 Resp: 41790

Ion	Ratio	Lower	Upper
96	100		
61	137.8	109.4	164.0
98	65.6	50.2	75.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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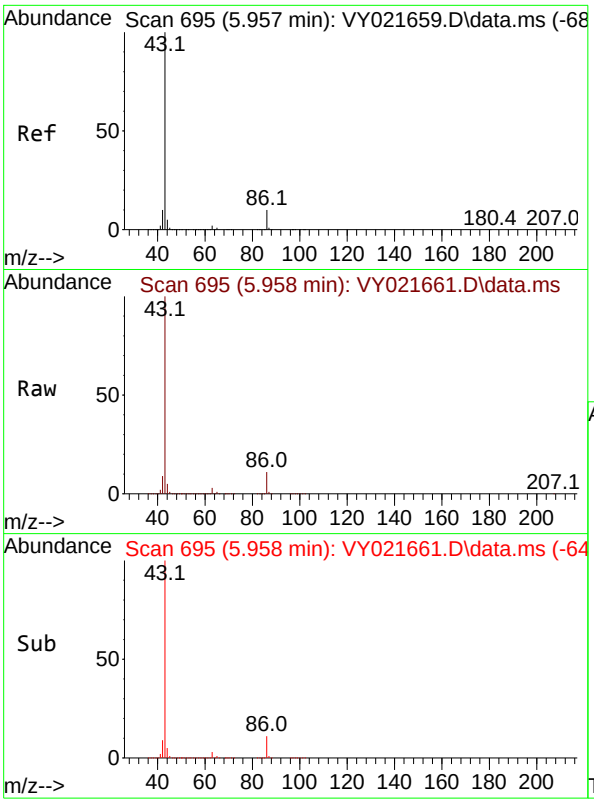
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#22
Diisopropyl ether
Concen: 145.463 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 45 Resp: 1325167

Ion	Ratio	Lower	Upper
45	100		
43	56.7	46.6	69.8
87	27.2	20.7	31.1
59	12.0	9.3	13.9



#23
Vinyl Acetate
Concen: 749.332 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

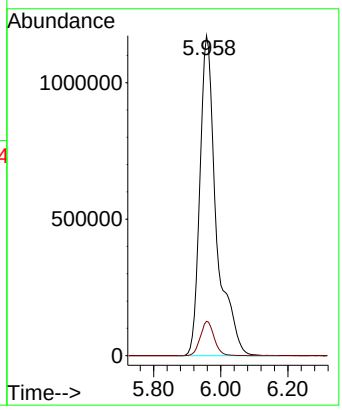
Tgt Ion: 43 Resp: 399349

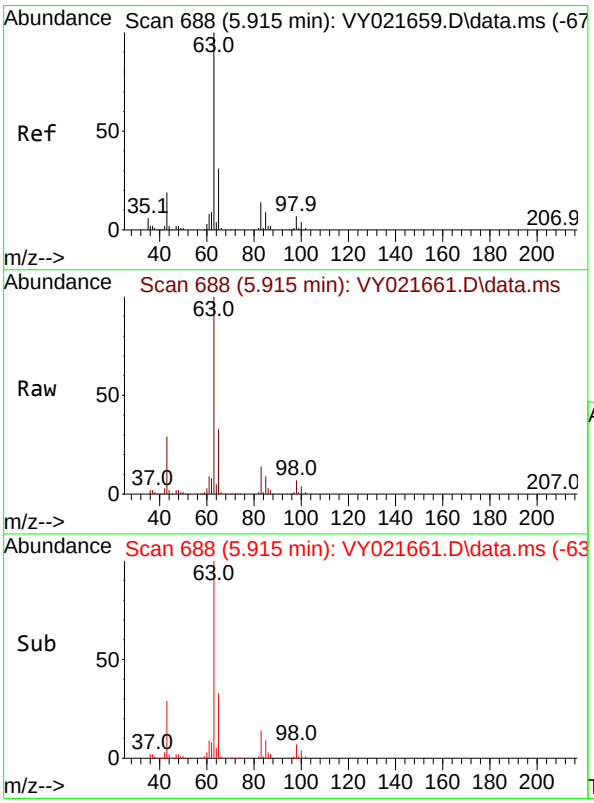
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

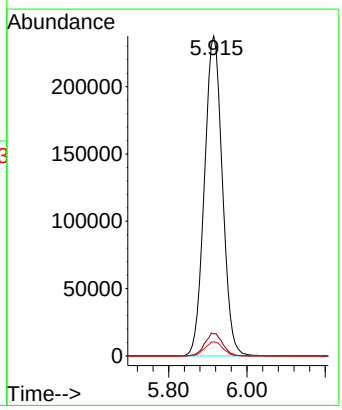


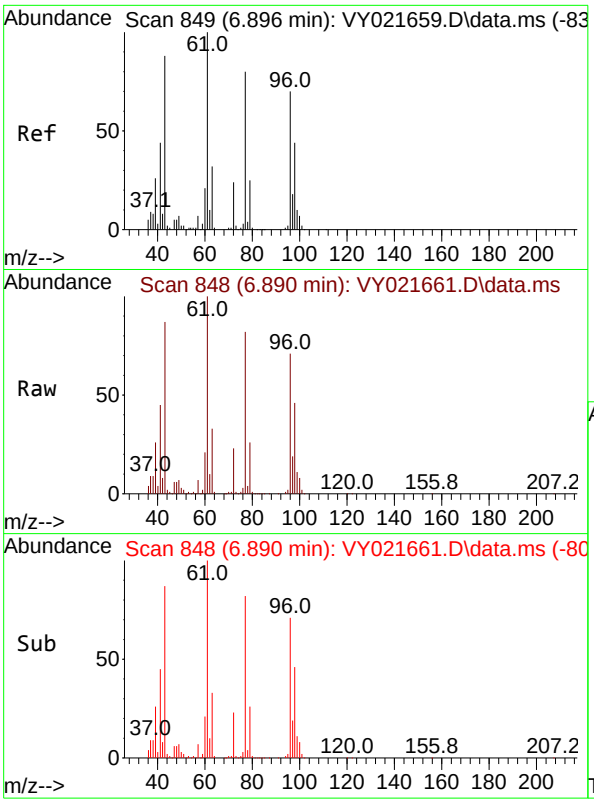


#24
1,1-Dichloroethane
Concen: 138.403 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 63 Resp: 753930

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	4.4	2.2	6.6





#25
2-Butanone
Concen: 733.215 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

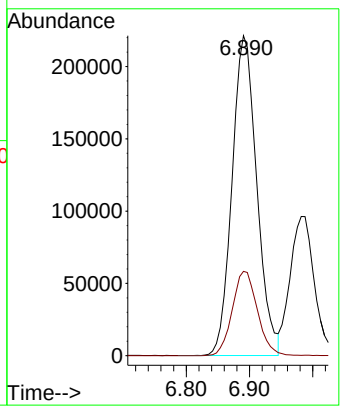
Tgt Ion: 43 Resp: 60302

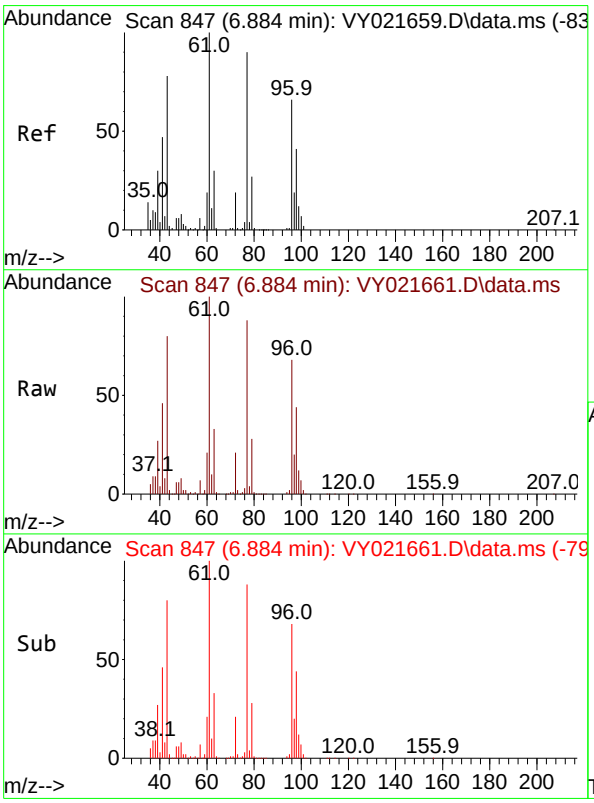
Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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Reviewed By :Romaben Patel 03/28/2025
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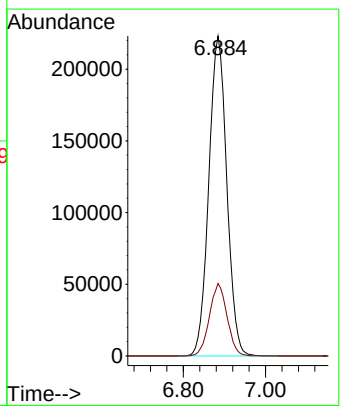


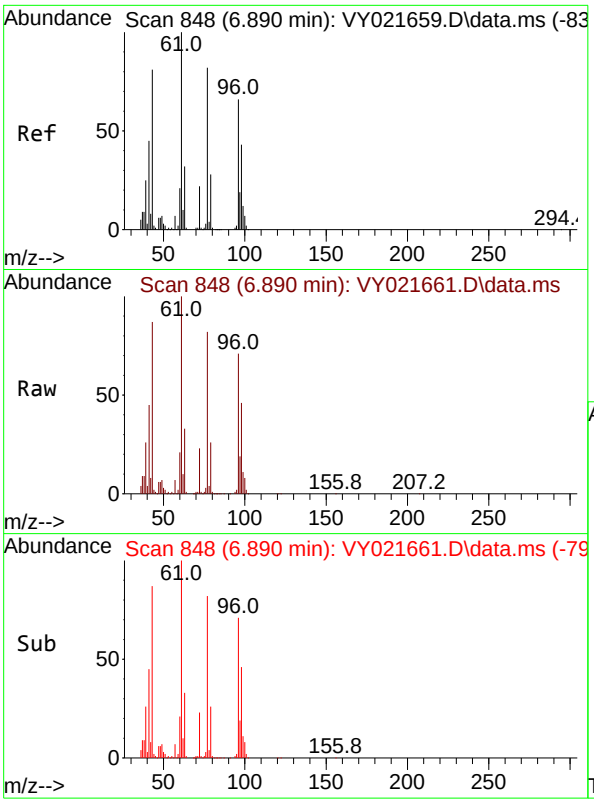


#26
2,2-Dichloropropane
Concen: 139.949 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 77 Resp: 678134

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.1	33.1

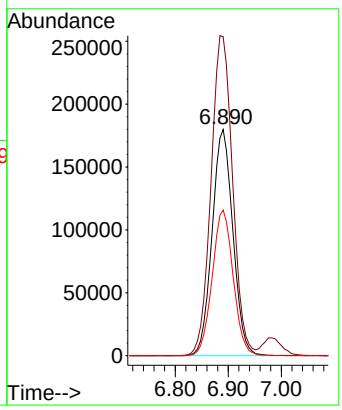




#27
cis-1,2-Dichloroethene
Concen: 145.395 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 96 Resp: 490349

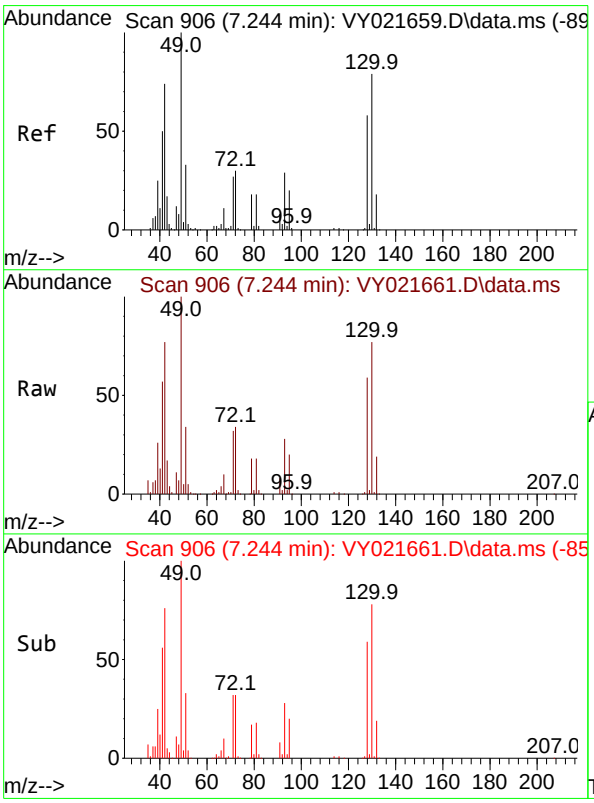
Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	296.4
98	64.9	0.0	128.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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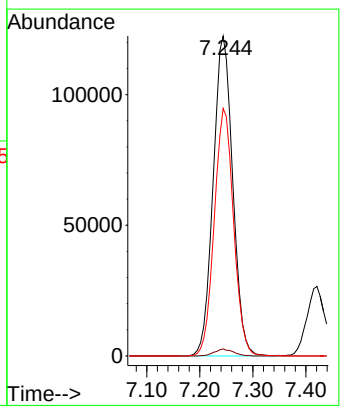
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

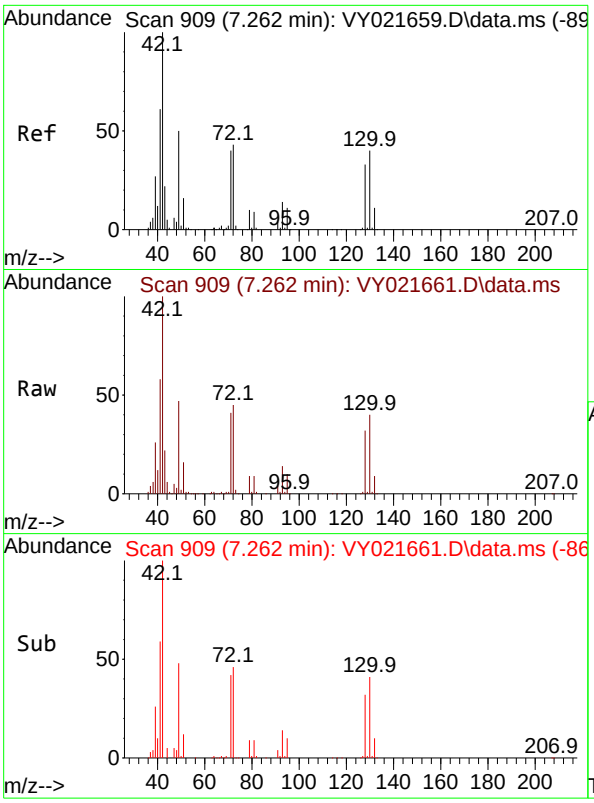


#28
Bromochloromethane
Concen: 136.480 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 49 Resp: 313542

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	76.4	60.1	90.1

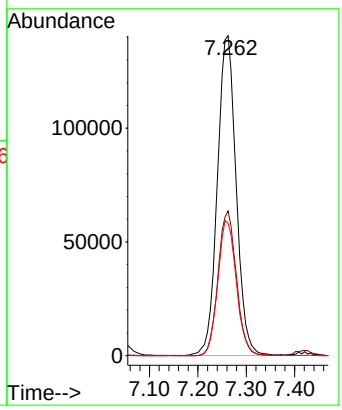




#29
Tetrahydrofuran
Concen: 716.799 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 42 Resp: 37941

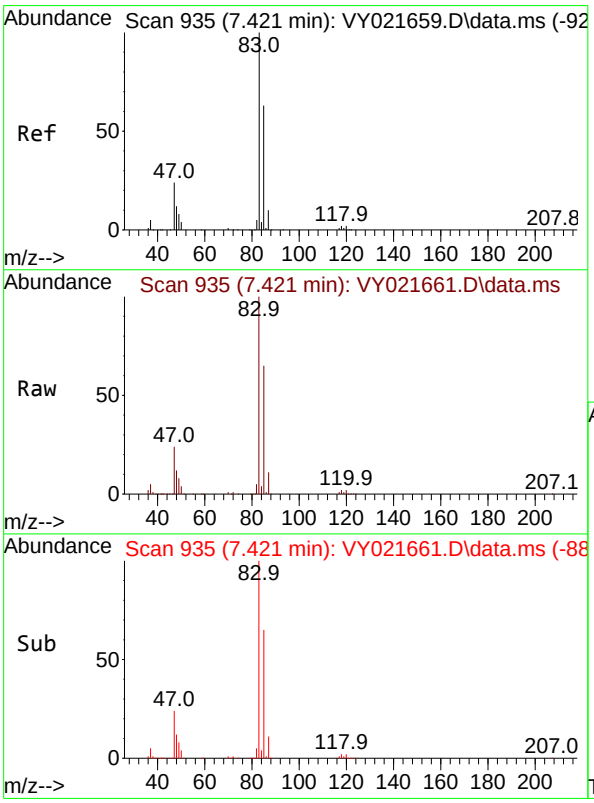
Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.6	52.0
71	41.9	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

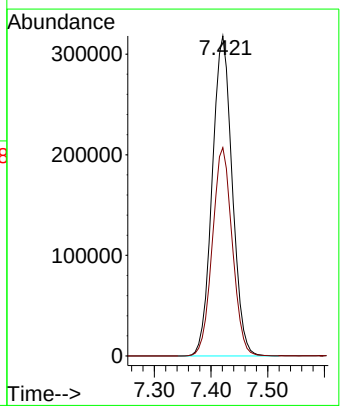
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

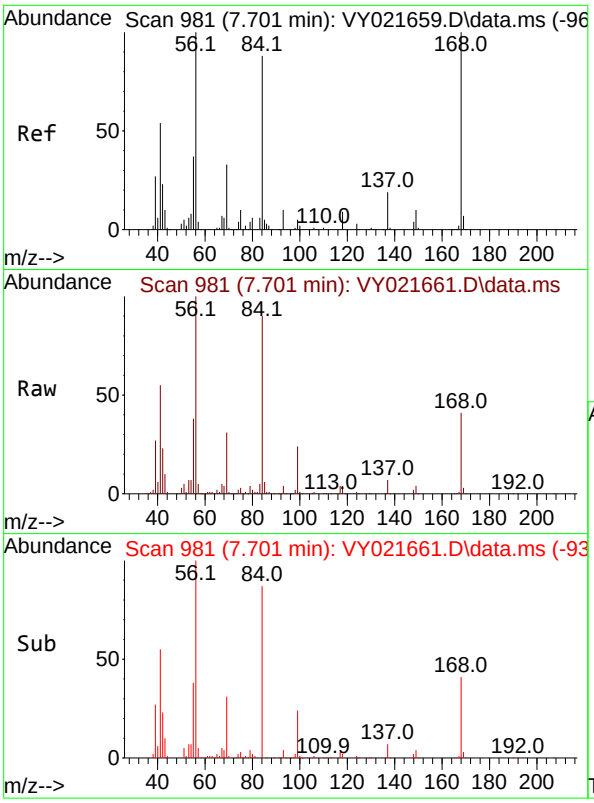


#30
Chloroform
Concen: 137.548 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 83 Resp: 779319

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	75.8

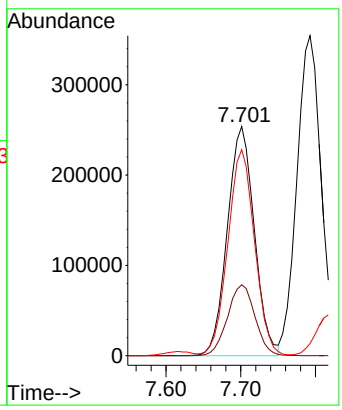




#31
Cyclohexane
Concen: 128.388 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 56 Resp: 63753

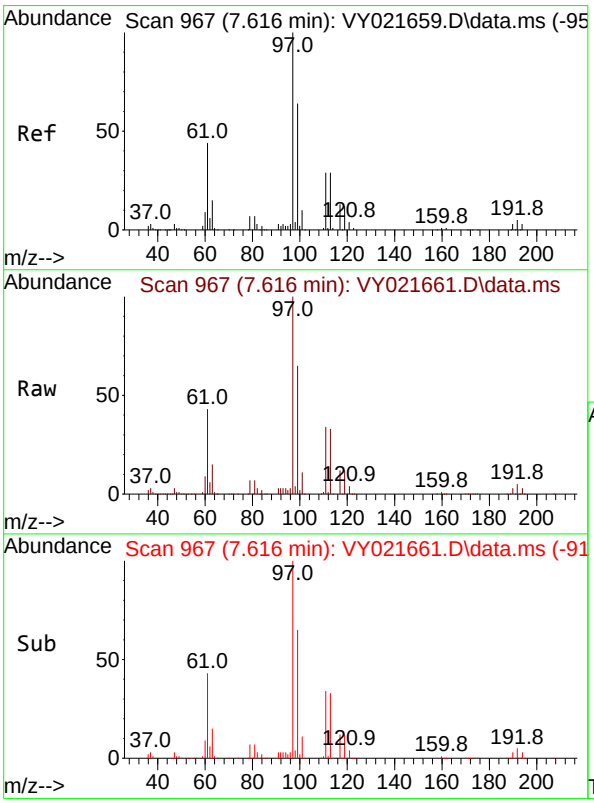
Ion	Ratio	Lower	Upper
56	100		
69	31.0	26.6	40.0
84	88.0	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

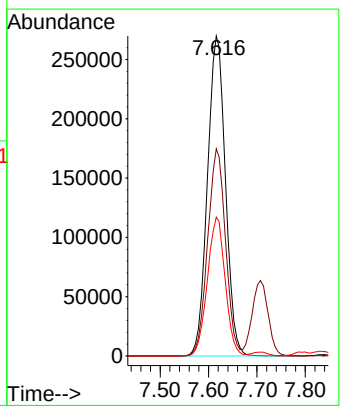
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

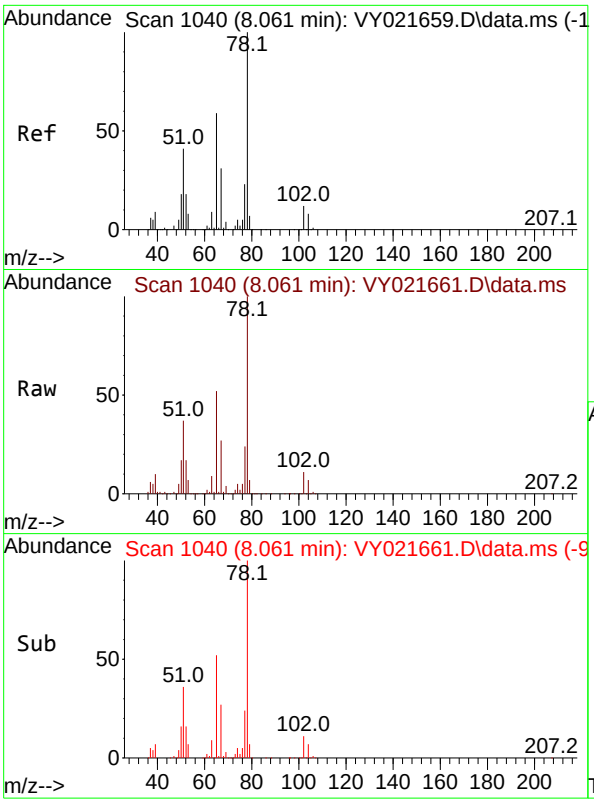


#32
1,1,1-Trichloroethane
Concen: 135.918 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 97 Resp: 696016

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.7	76.1
61	43.0	35.2	52.8

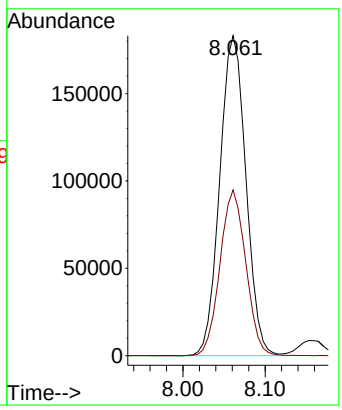




#33
1,2-Dichloroethane-d4
Concen: 143.931 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 65 Resp: 40495

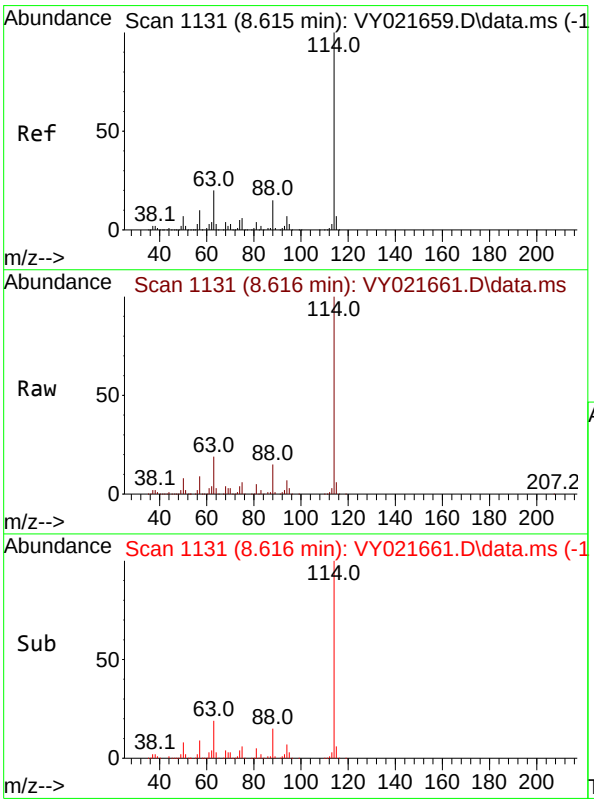
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

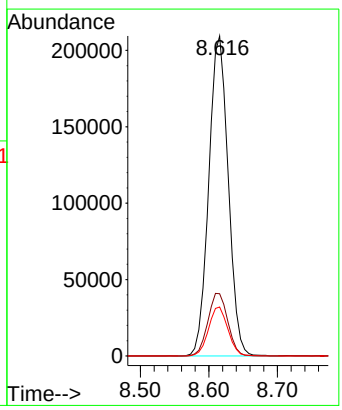
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

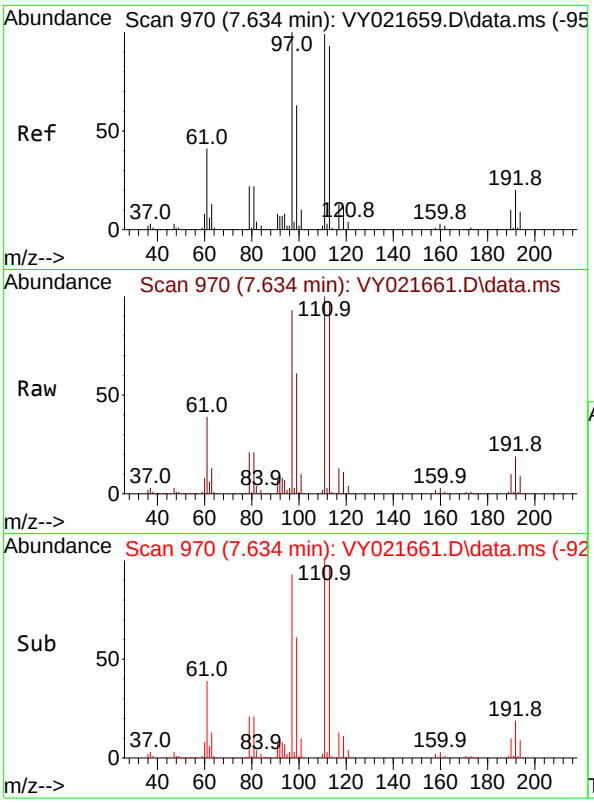


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:114 Resp: 412304

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.2
88	15.3	0.0	29.8

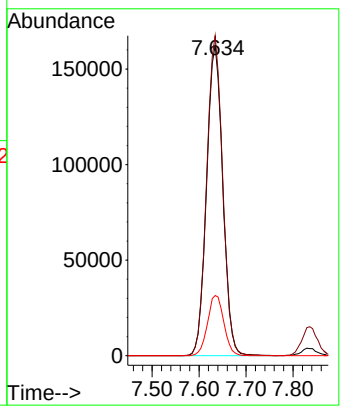




#35
Dibromofluoromethane
Concen: 144.862 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:113 Resp: 38743

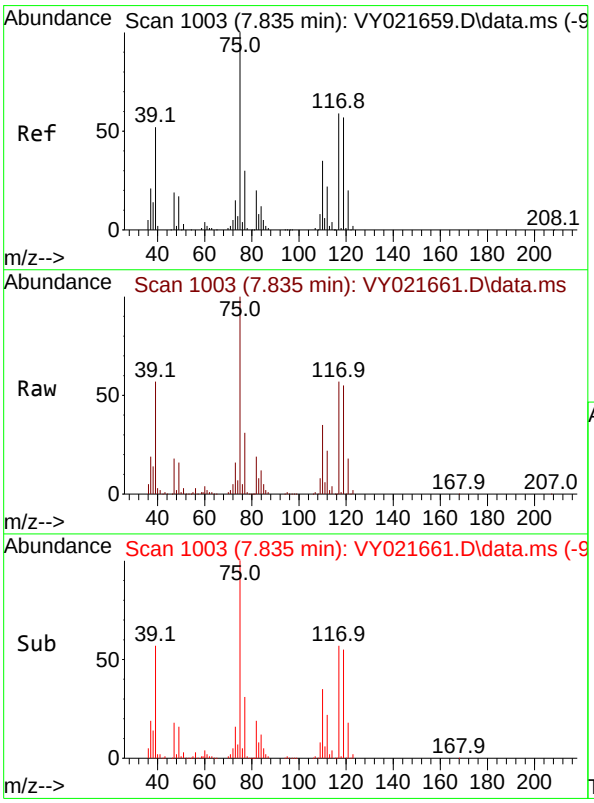
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	19.6	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

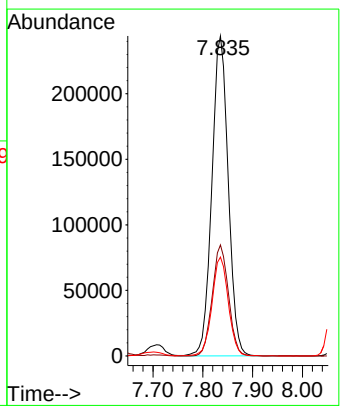
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

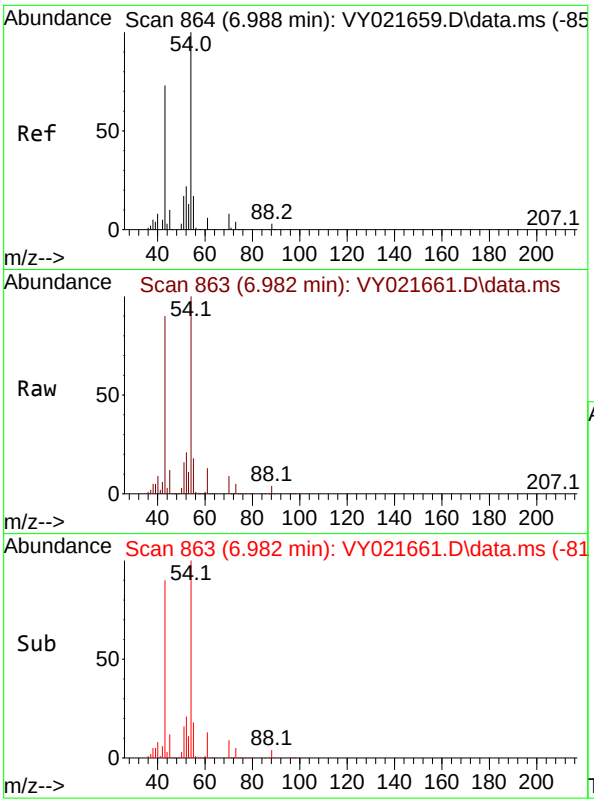


#36
1,1-Dichloropropene
Concen: 136.722 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 556974

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.0	50.9
77	30.9	24.8	37.2





#37
Ethyl Acetate
Concen: 134.812 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

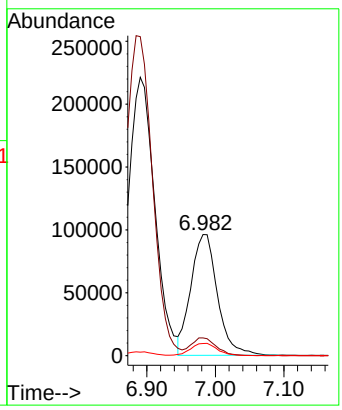
Tgt Ion: 43 Resp: 25918

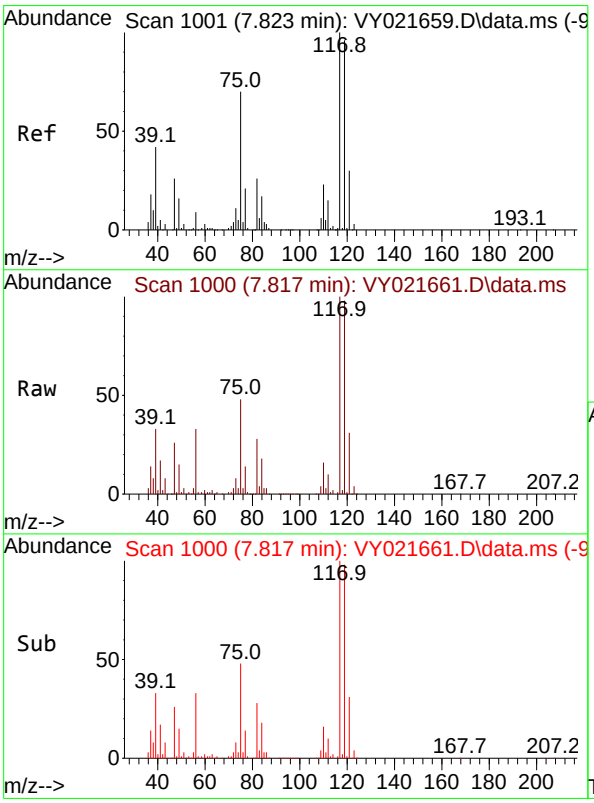
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.3	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

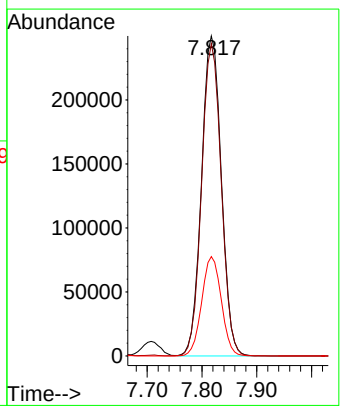


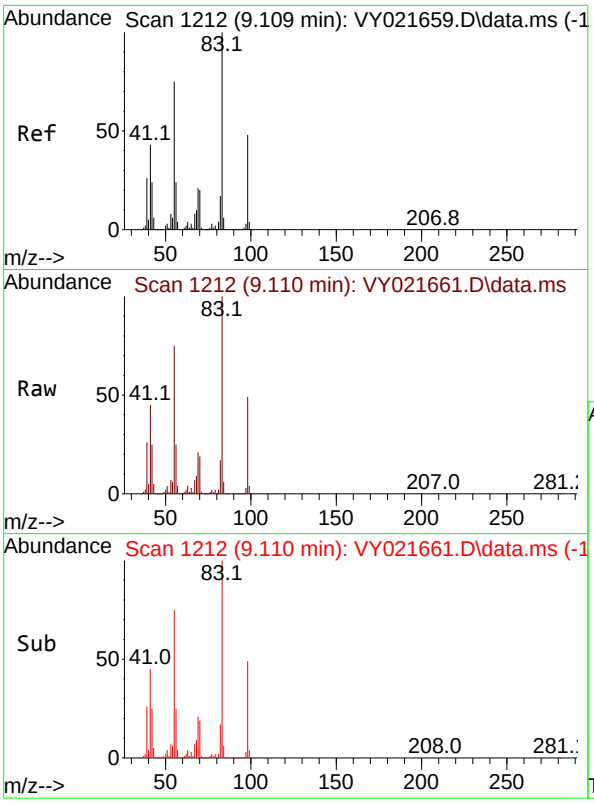


#38
Carbon Tetrachloride
Concen: 134.452 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:117 Resp: 627331

Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.2	114.4
121	31.0	24.2	36.4

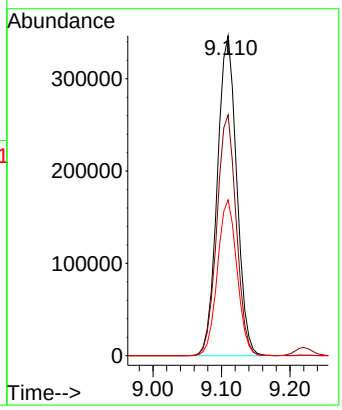




#39
Methylcyclohexane
Concen: 139.666 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 83 Resp: 67969

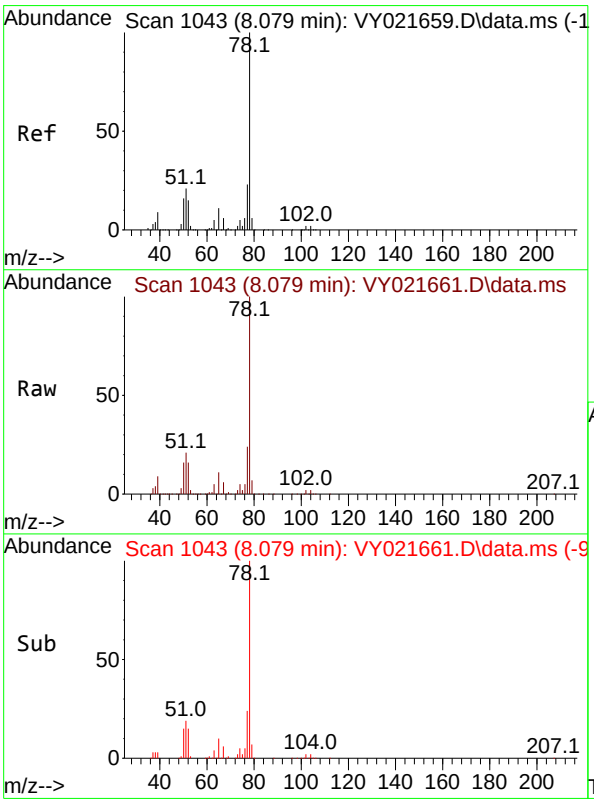
Ion	Ratio	Lower	Upper
83	100		
55	75.3	59.7	89.5
98	48.7	38.3	57.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

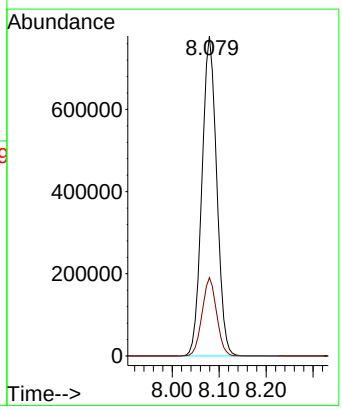
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

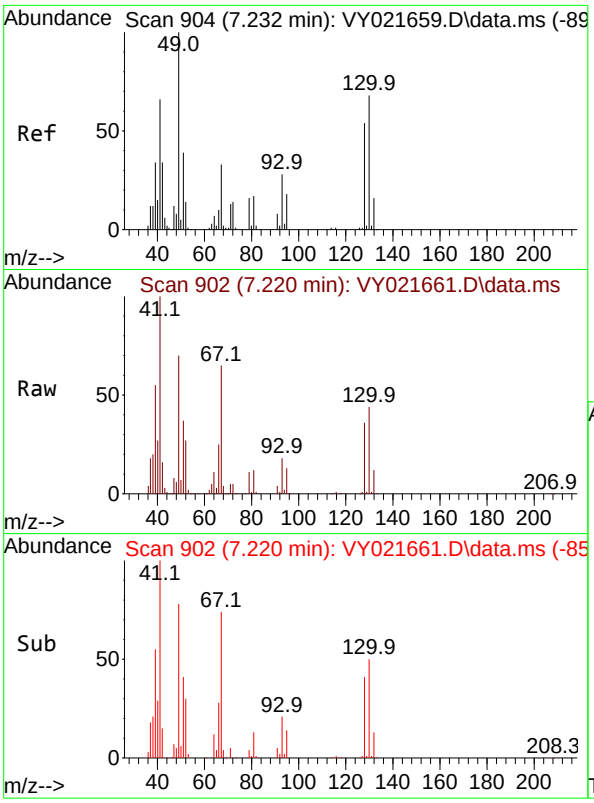


#40
Benzene
Concen: 139.014 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 78 Resp: 1695962

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2

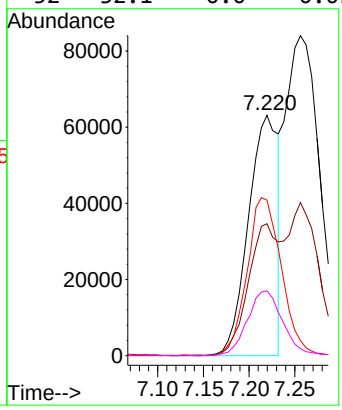




#41
Methacrylonitrile
Concen: 140.447 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 41 Resp: 14338

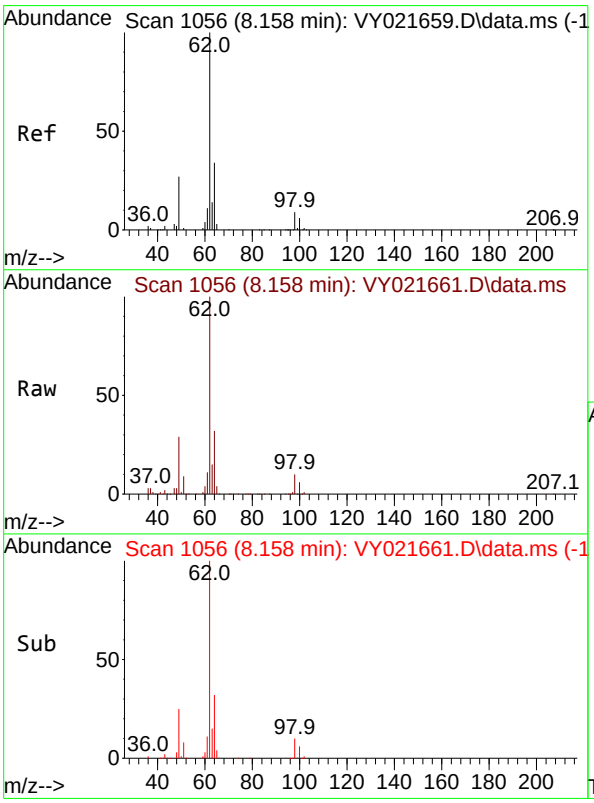
Ion	Ratio	Lower	Upper
41	100		
39	54.1	0.0	0.0#
67	75.9	0.0	0.0#
52	32.1	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

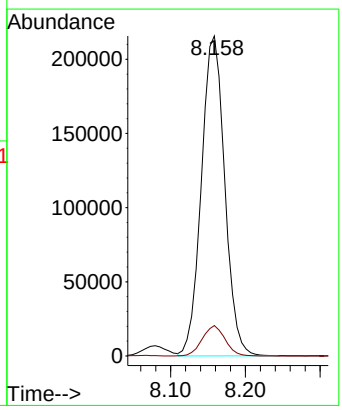
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

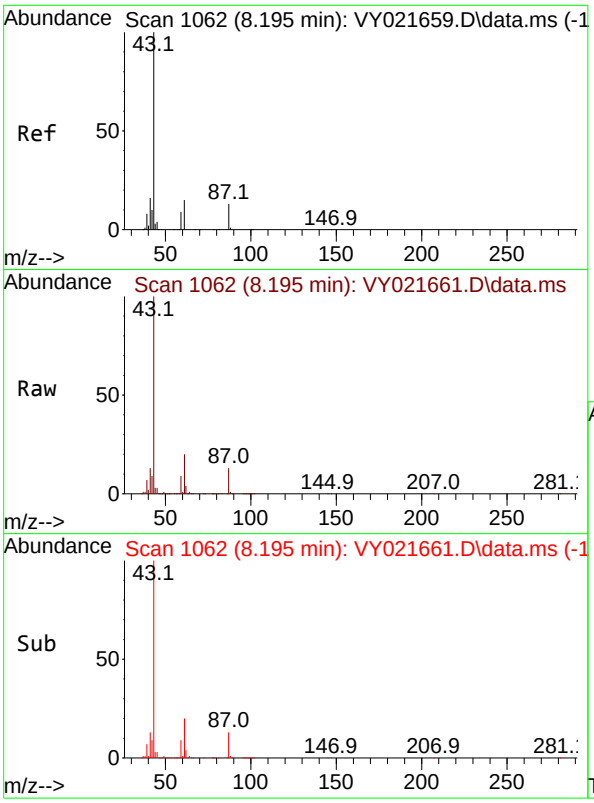


#42
1,2-Dichloroethane
Concen: 136.165 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 62 Resp: 468317

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4

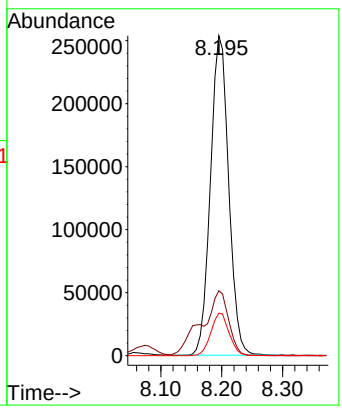




#43
Isopropyl Acetate
Concen: 144.731 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 52731

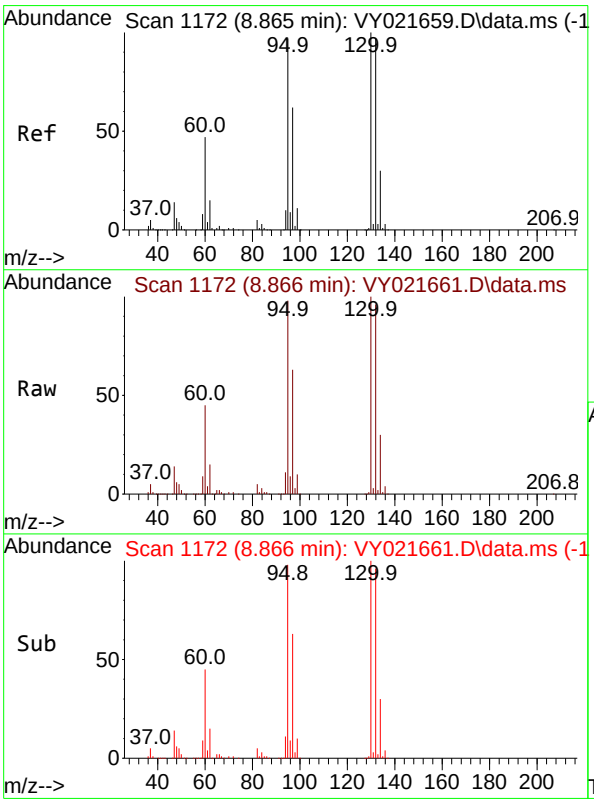
Ion	Ratio	Lower	Upper
43	100		
61	29.7	15.9	23.9#
87	13.3	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

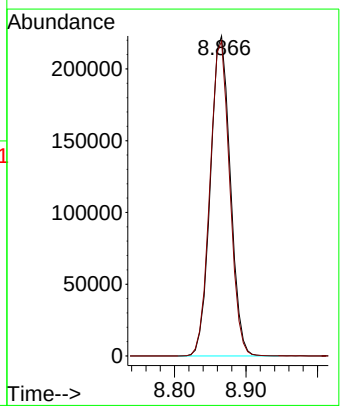
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

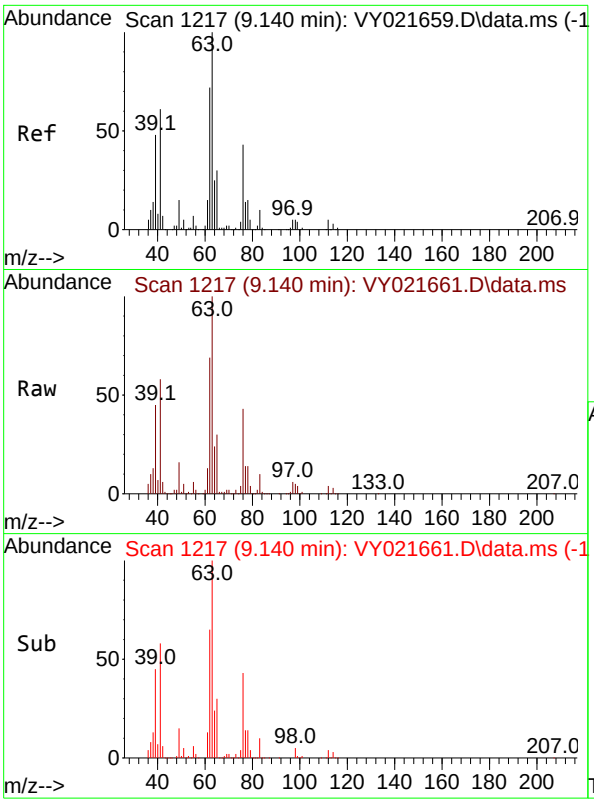


#44
Trichloroethene
Concen: 138.536 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:130 Resp: 430629

Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	194.8

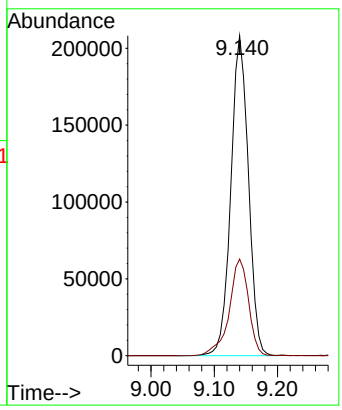




#45
1,2-Dichloropropane
Concen: 139.191 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 63 Resp: 40195

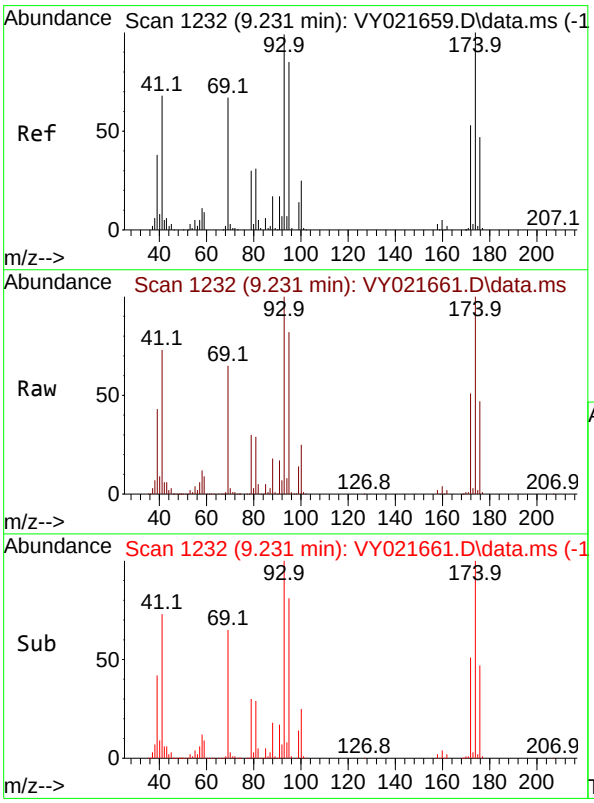
Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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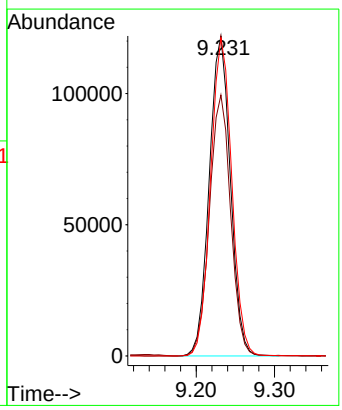
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

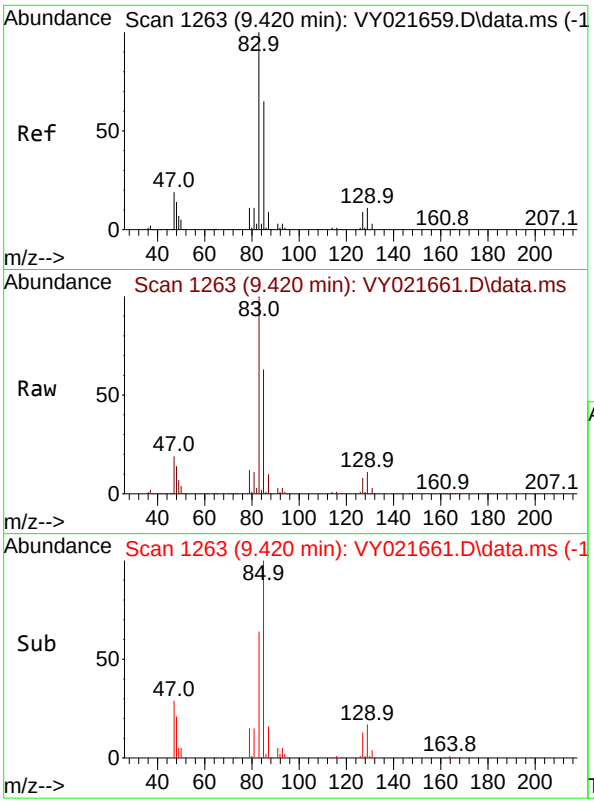


#46
Dibromomethane
Concen: 137.167 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 93 Resp: 228287

Ion	Ratio	Lower	Upper
93	100		
95	82.1	68.1	102.1
174	99.7	80.9	121.3

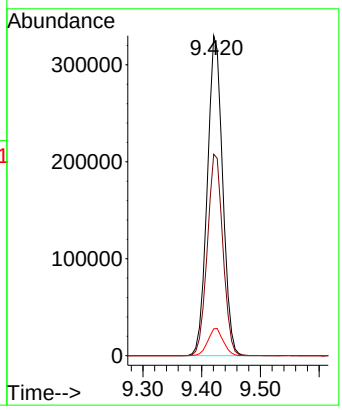




#47
Bromodichloromethane
Concen: 138.764 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 83 Resp: 59842

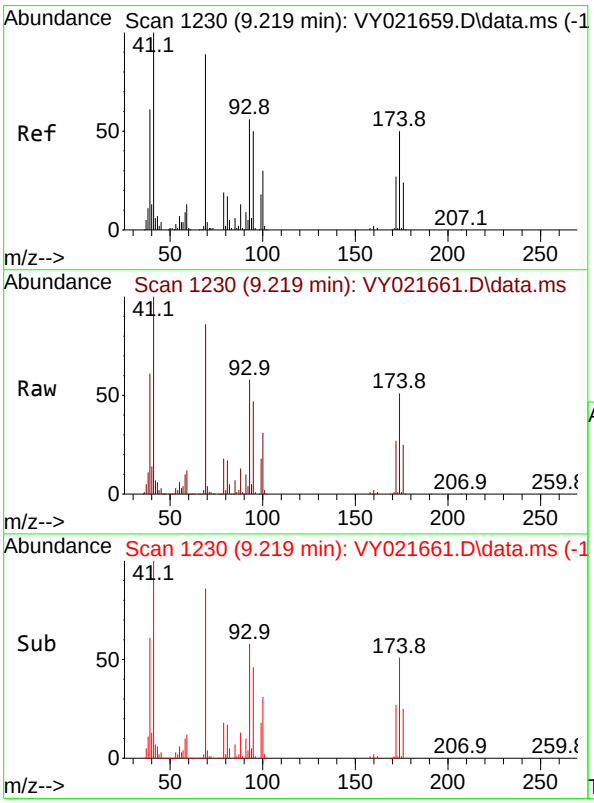
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.8	77.6
127	8.4	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

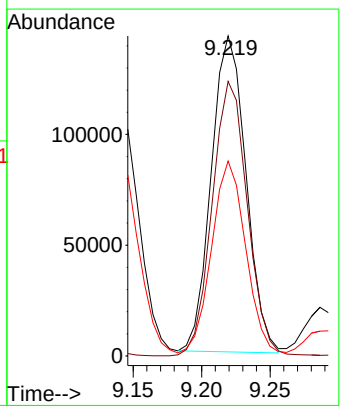
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

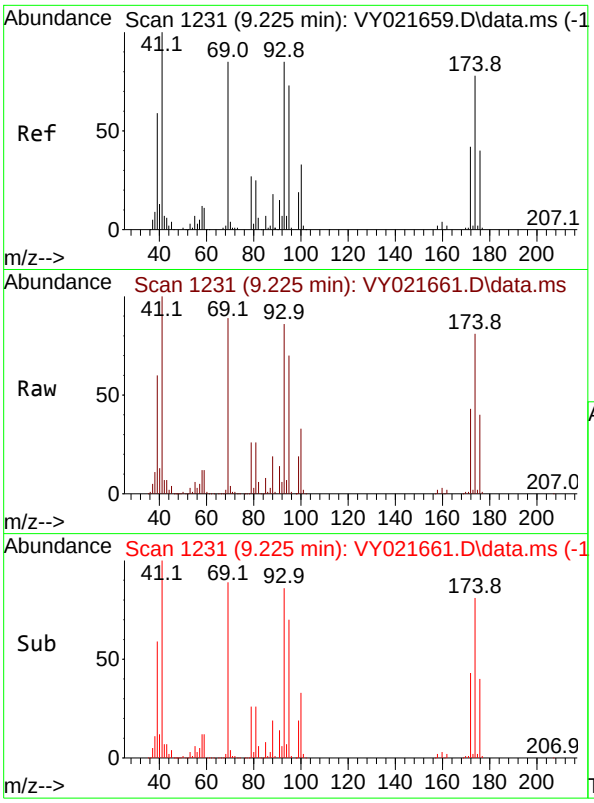


#48
Methyl methacrylate
Concen: 150.306 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 41 Resp: 251339

Ion	Ratio	Lower	Upper
41	100		
69	88.1	69.8	104.8
39	59.6	47.2	70.8

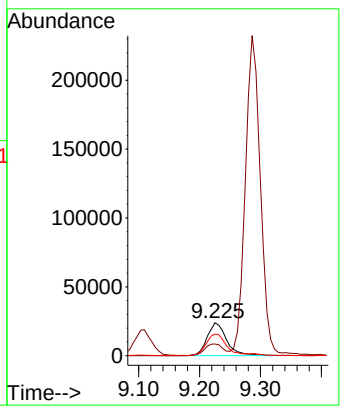




#49
1,4-Dioxane
Concen: 2991.658 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 88 Resp: 5333

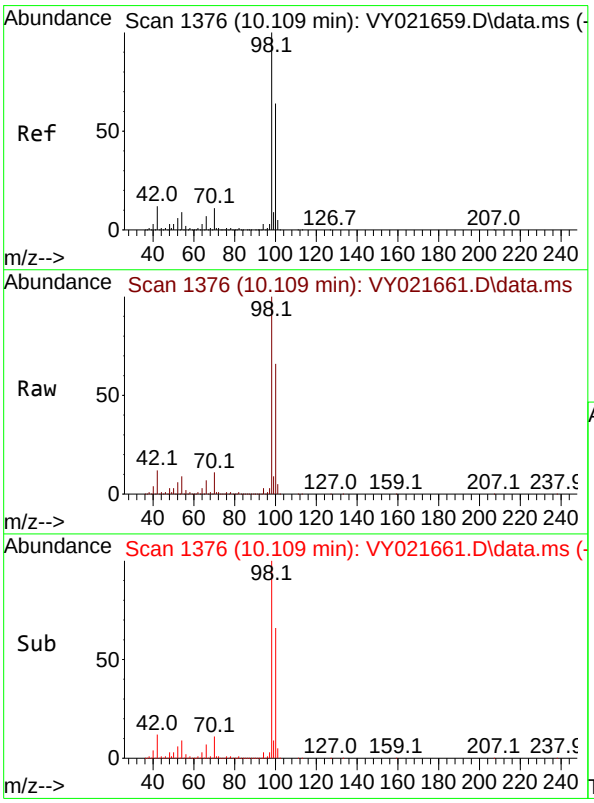
Ion	Ratio	Lower	Upper
88	100		
43	33.6	28.8	43.2
58	67.8	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

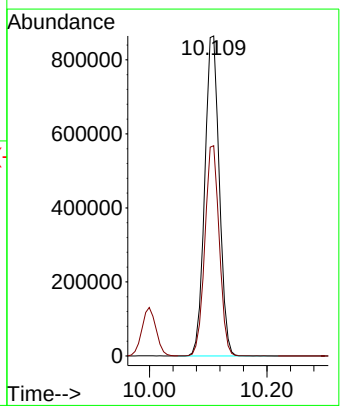
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

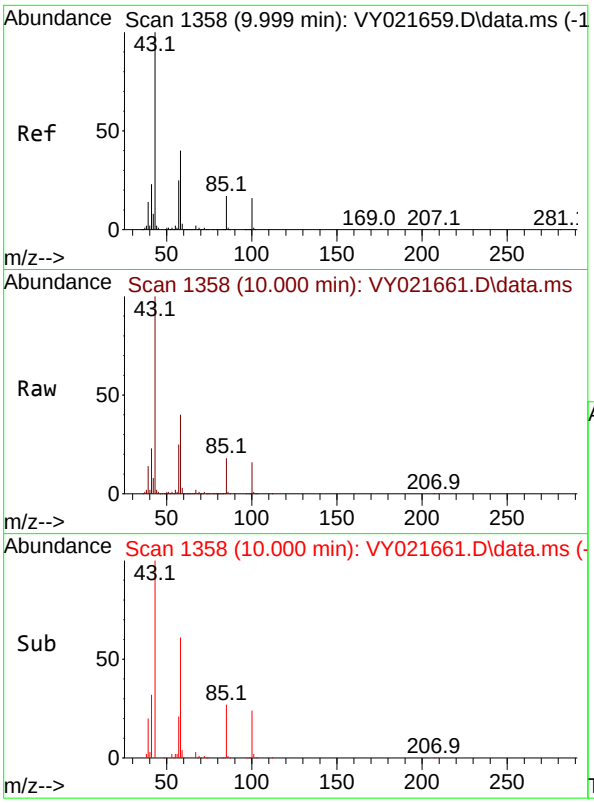


#50
Toluene-d8
Concen: 146.020 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 98 Resp: 1485725

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1

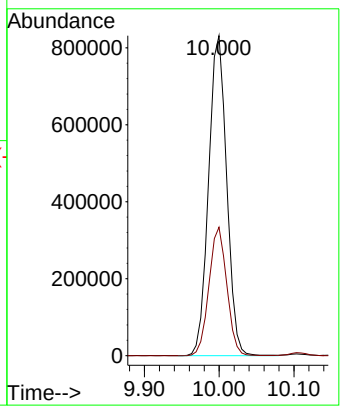




#51
4-Methyl-2-Pentanone
Concen: 737.160 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 139767

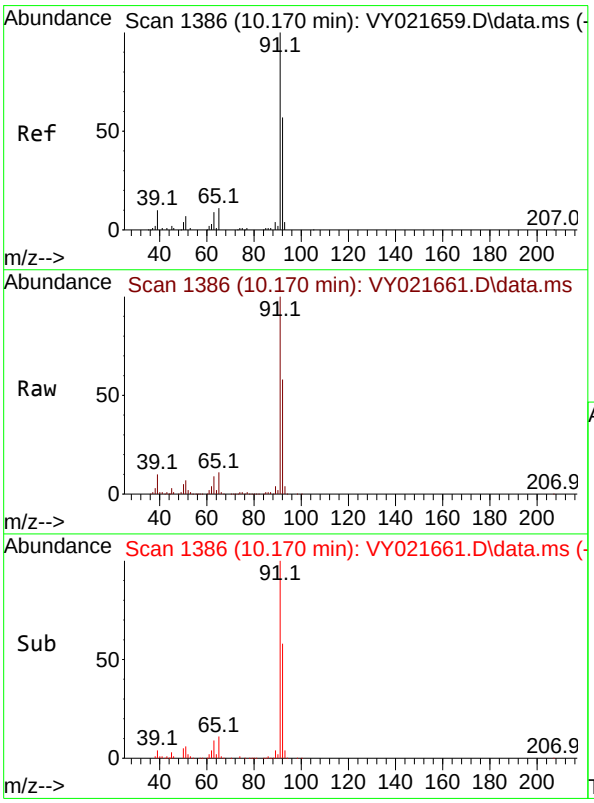
Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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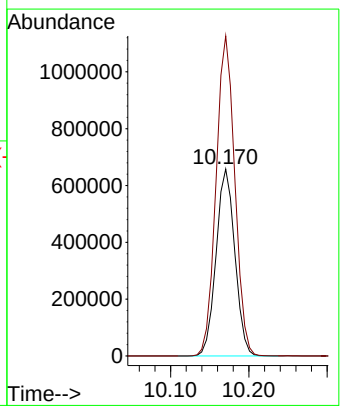
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

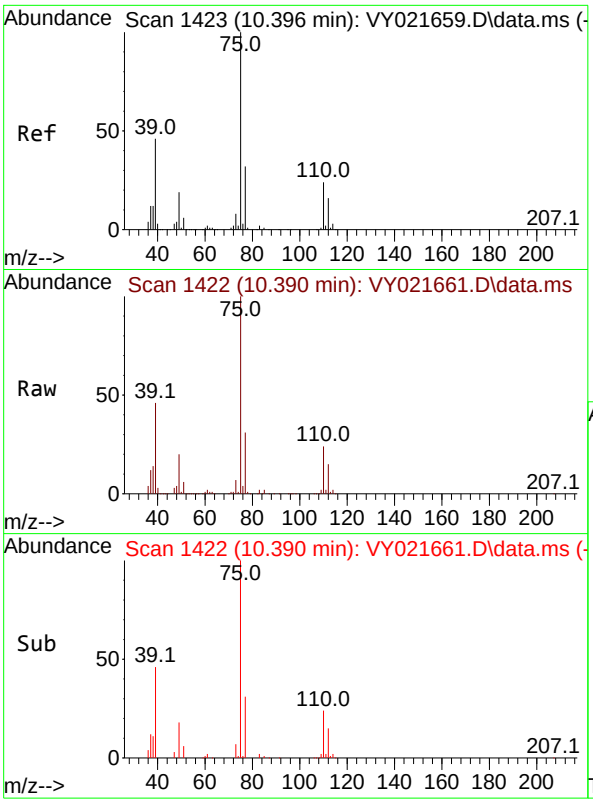


#52
Toluene
Concen: 143.758 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 92 Resp: 1094229

Ion	Ratio	Lower	Upper
92	100		
91	171.6	138.6	207.8

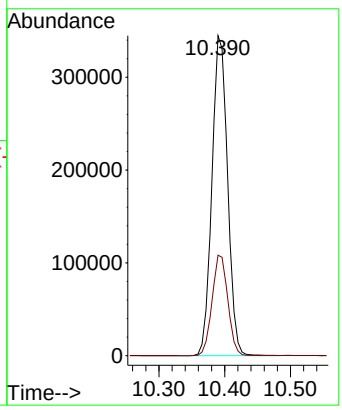




#53
t-1,3-Dichloropropene
Concen: 148.908 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 57038

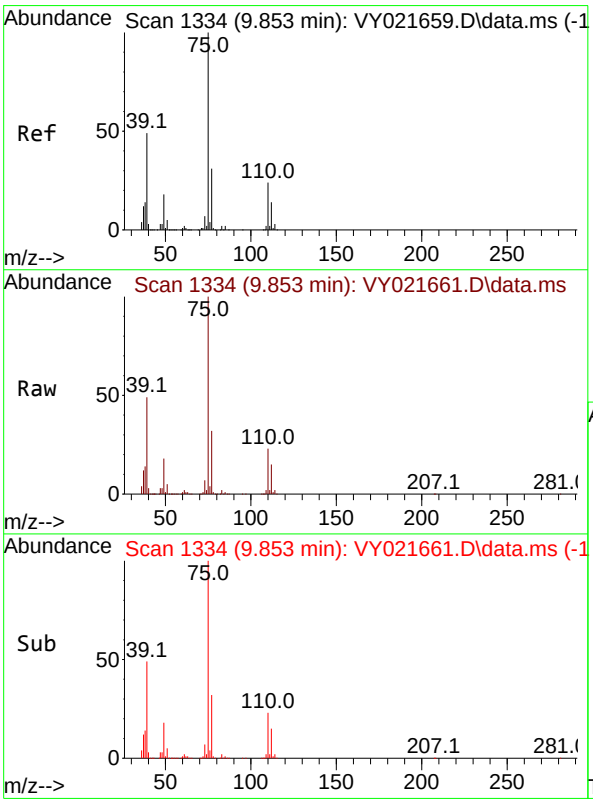
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

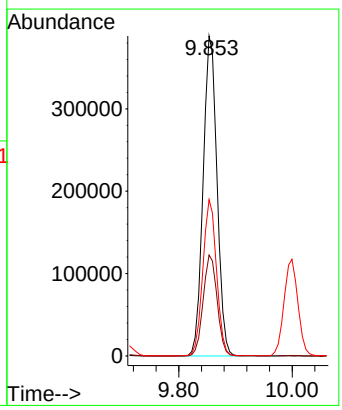
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

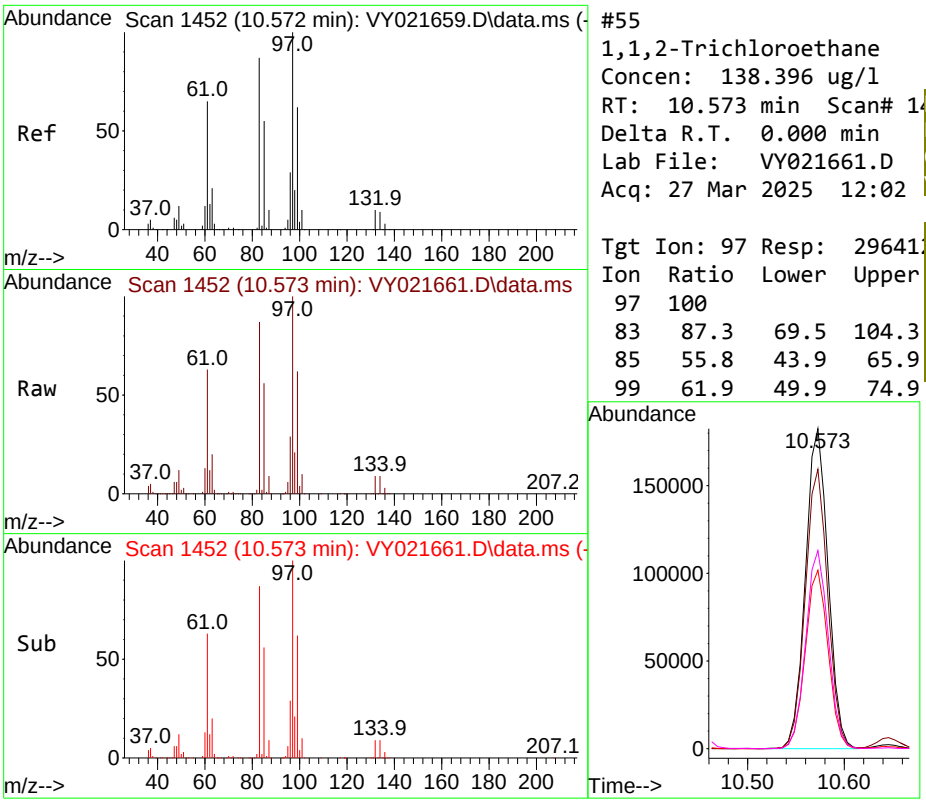


#54
cis-1,3-Dichloropropene
Concen: 146.159 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 660476

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3
39	48.8	39.2	58.8





#55
1,1,2-Trichloroethane
Concen: 138.396 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

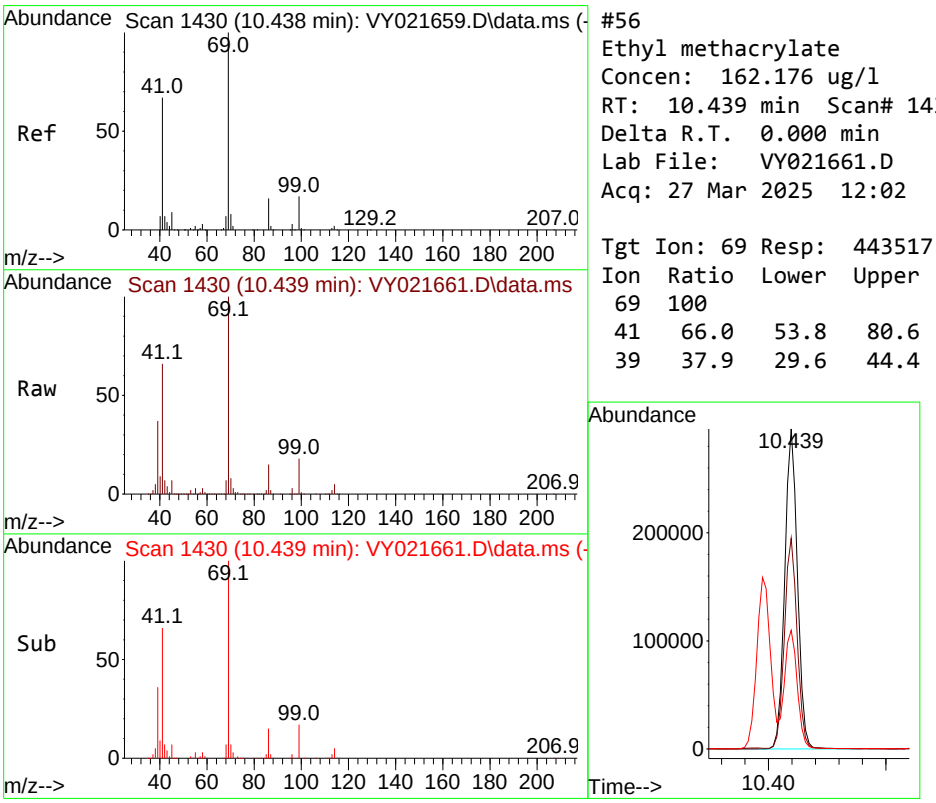
Tgt Ion: 97 Resp: 29641

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.5	104.3
85	55.8	43.9	65.9
99	61.9	49.9	74.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

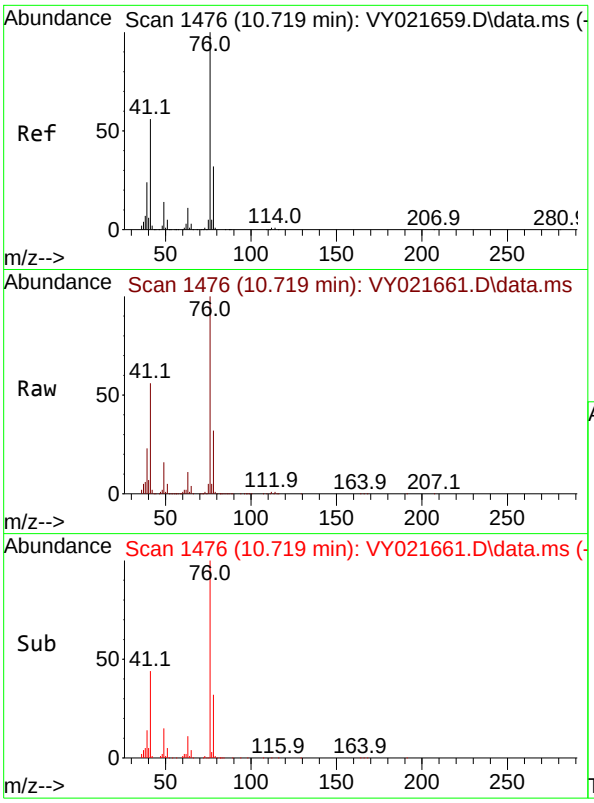
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#56
Ethyl methacrylate
Concen: 162.176 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 69 Resp: 443517

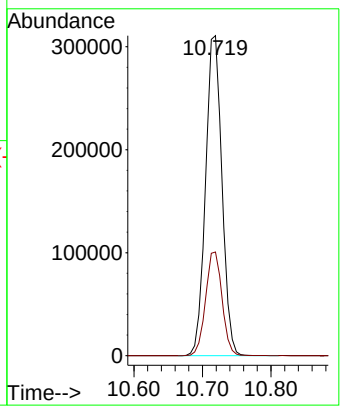
Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.8	80.6
39	37.9	29.6	44.4



#57
1,3-Dichloropropane
Concen: 139.961 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 76 Resp: 51770

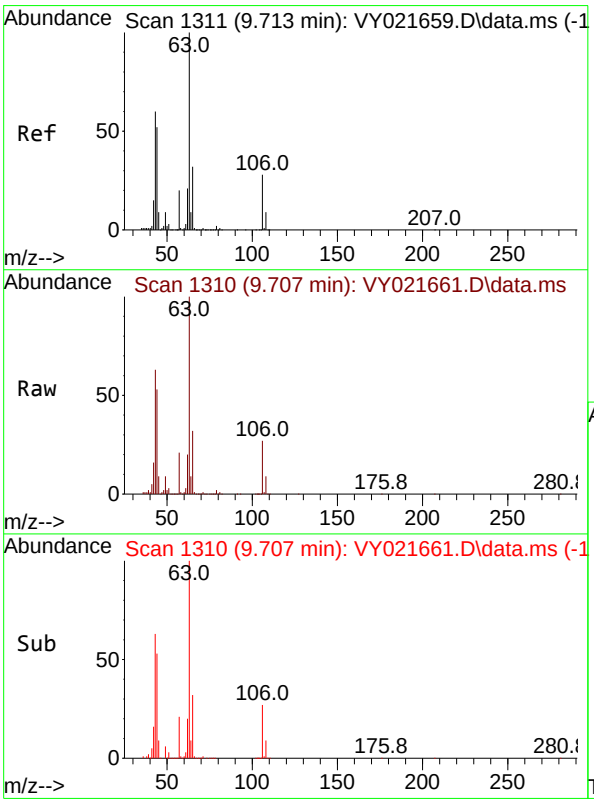
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

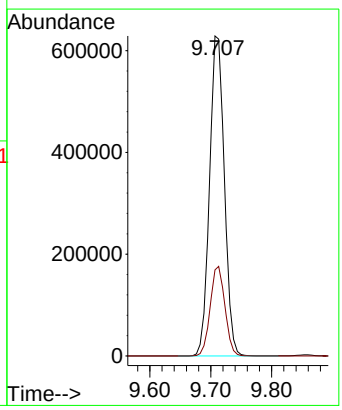
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

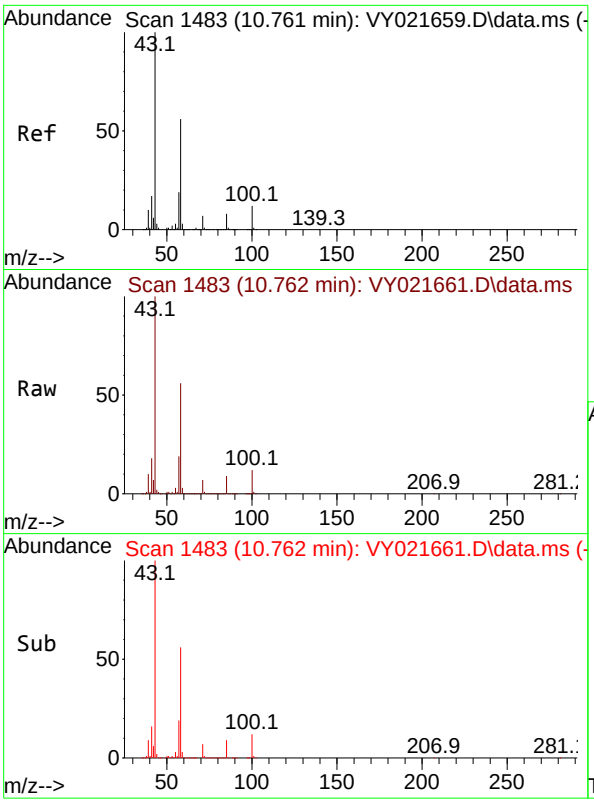


#58
2-Chloroethyl Vinyl ether
Concen: 795.867 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 63 Resp: 1061779

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.4	33.6

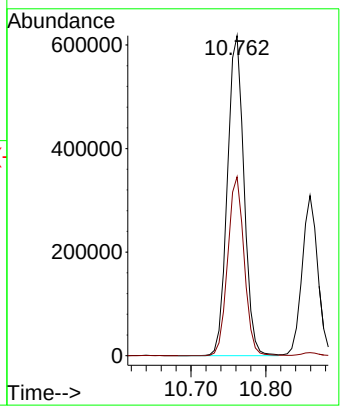




#59
2-Hexanone
Concen: 756.341 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 95505

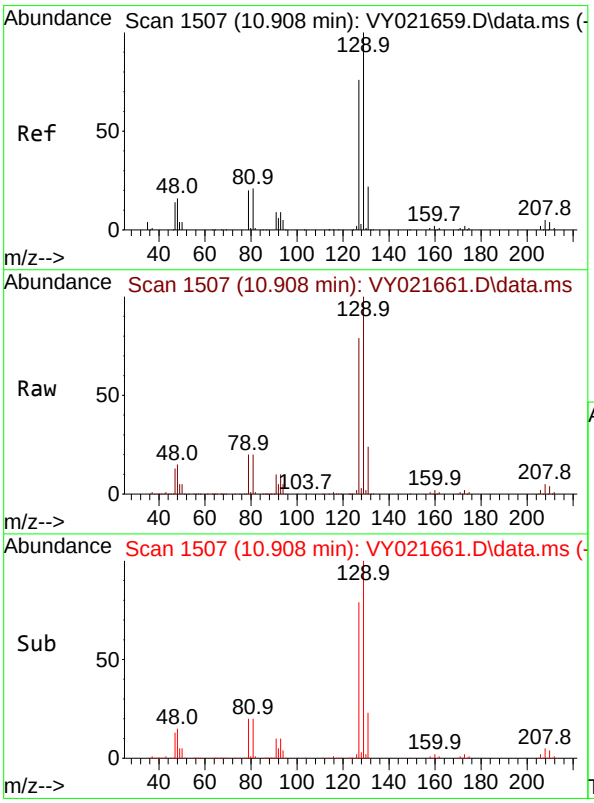
Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

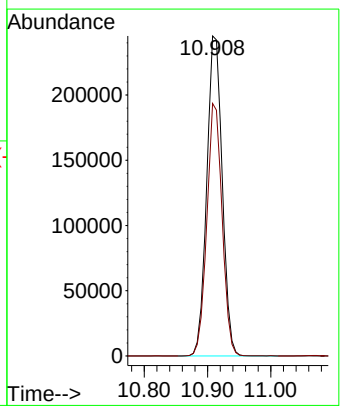
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

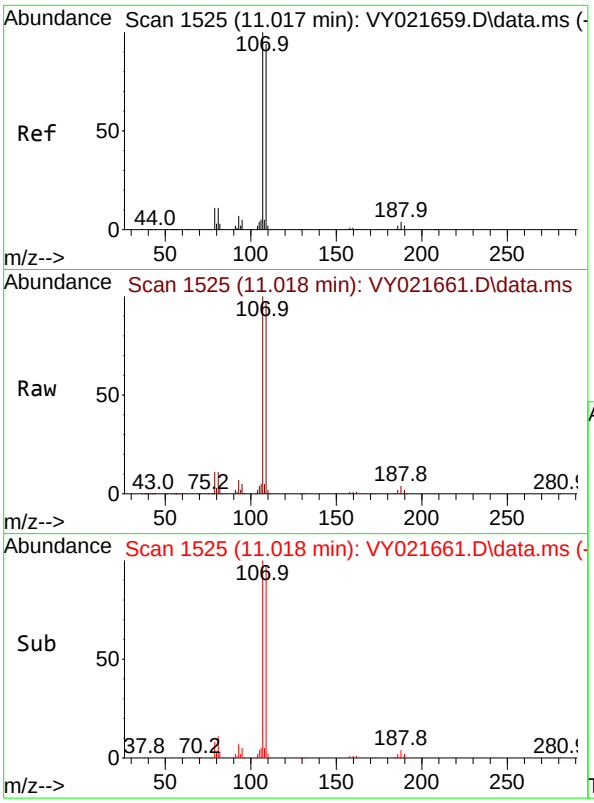


#60
Dibromochloromethane
Concen: 142.682 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:129 Resp: 417230

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	115.7





#61
1,2-Dibromoethane
Concen: 141.082 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

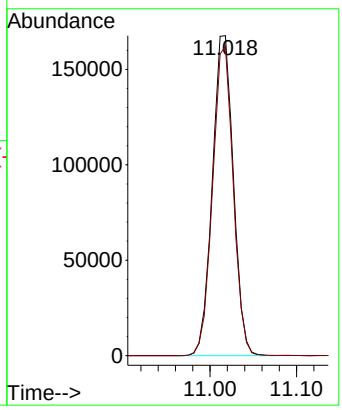
Tgt Ion:107 Resp: 28345

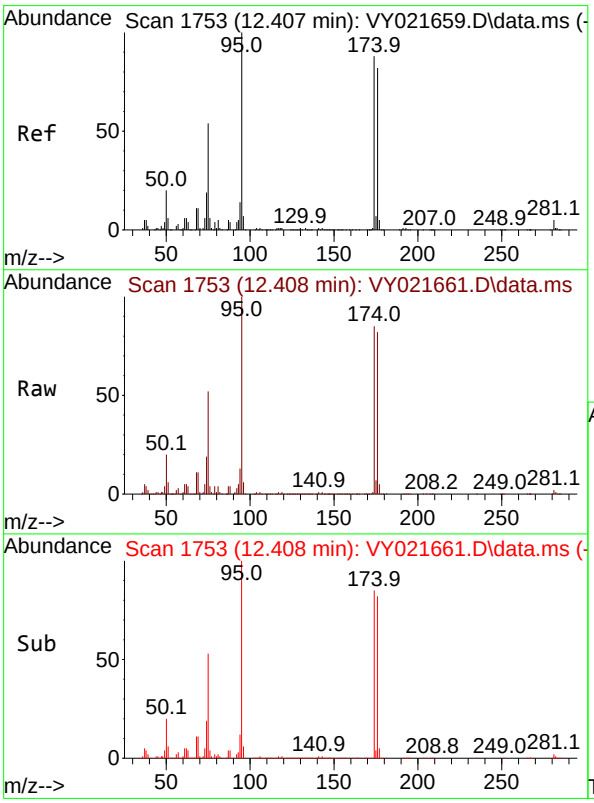
Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.4	111.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

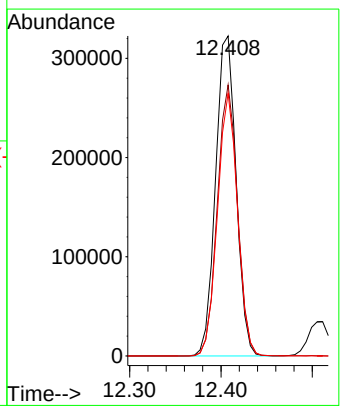


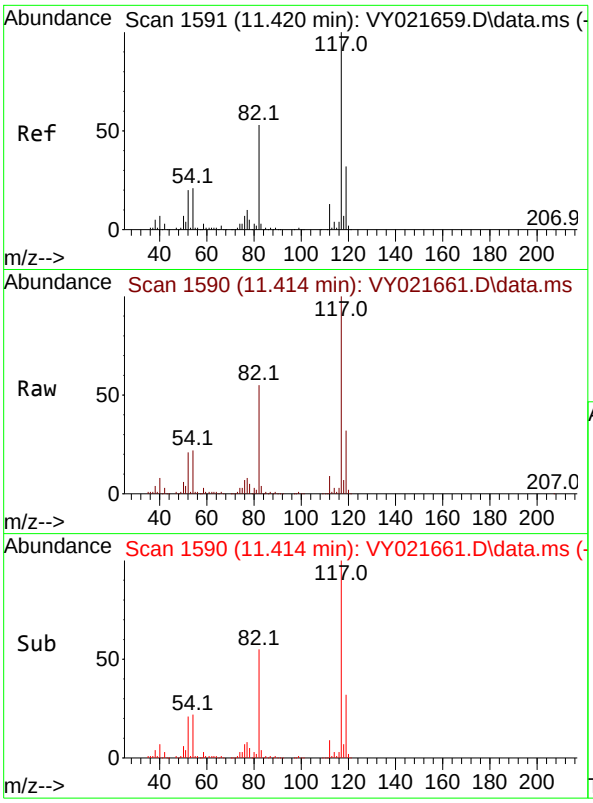


#62
4-Bromofluorobenzene
Concen: 146.271 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 95 Resp: 503406

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	170.8
176	80.1	0.0	162.0

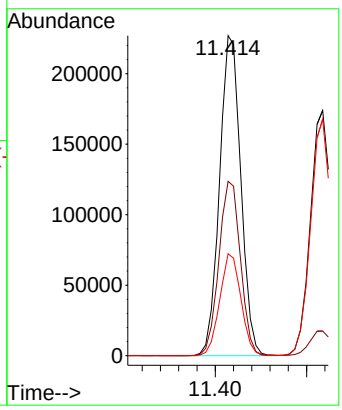




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:117 Resp: 36728

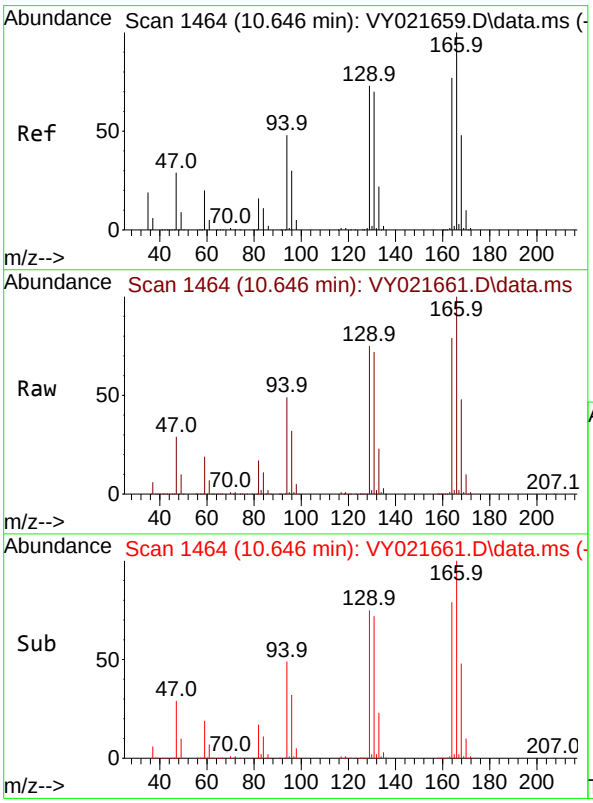
Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.8	64.2
119	31.9	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

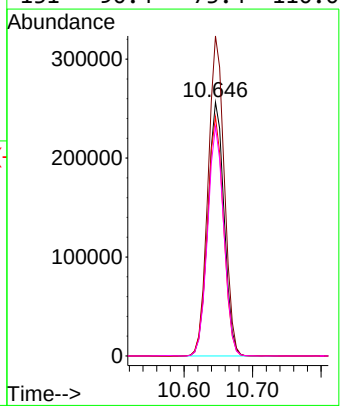
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

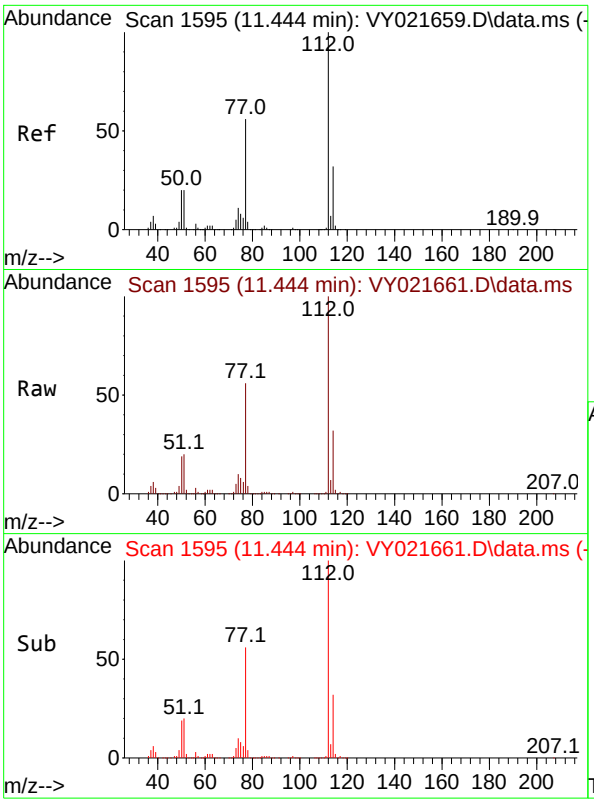


#64
Tetrachloroethene
Concen: 125.966 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:164 Resp: 421368

Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.6	156.8
129	94.3	76.6	114.8
131	90.4	73.4	110.0

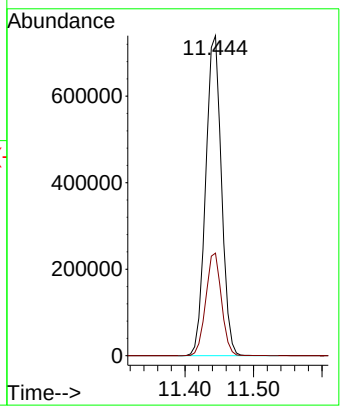




#65
Chlorobenzene
Concen: 140.483 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:112 Resp: 118277

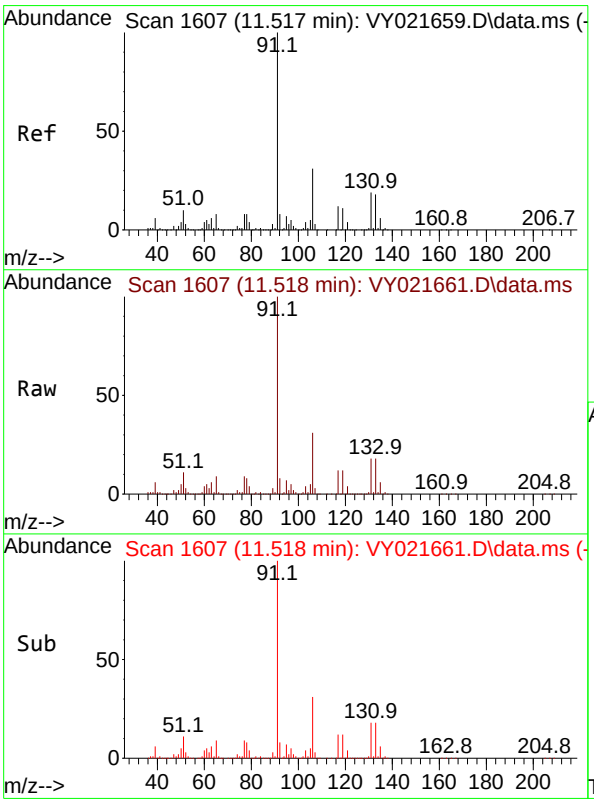
Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

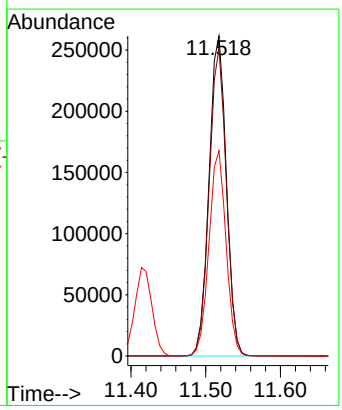
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

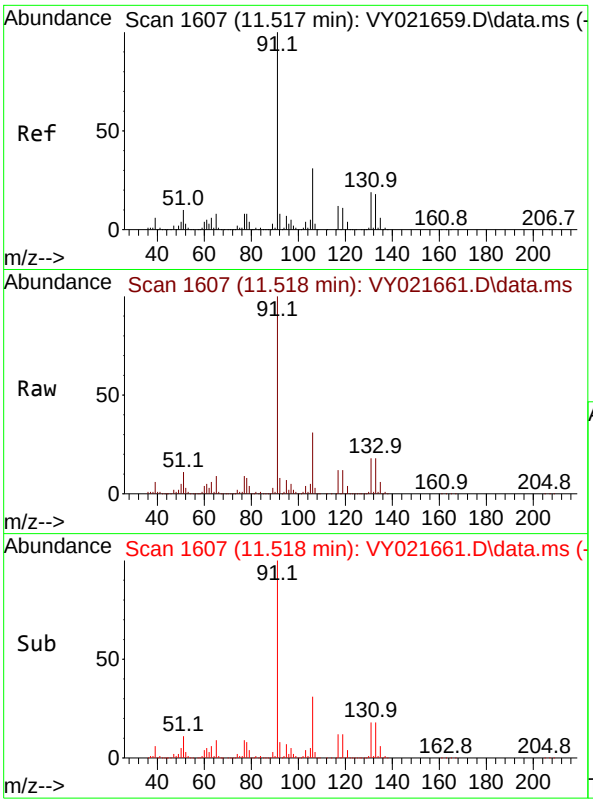


#66
1,1,1,2-Tetrachloroethane
Concen: 140.910 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:131 Resp: 420924

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.8
119	63.4	31.6	95.0

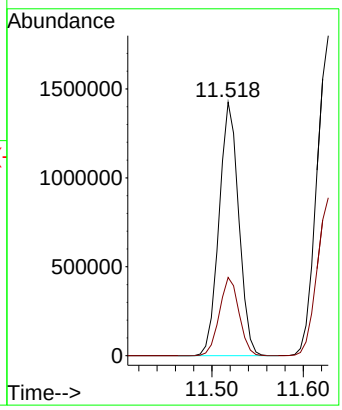




#67
Ethyl Benzene
Concen: 147.665 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 213188

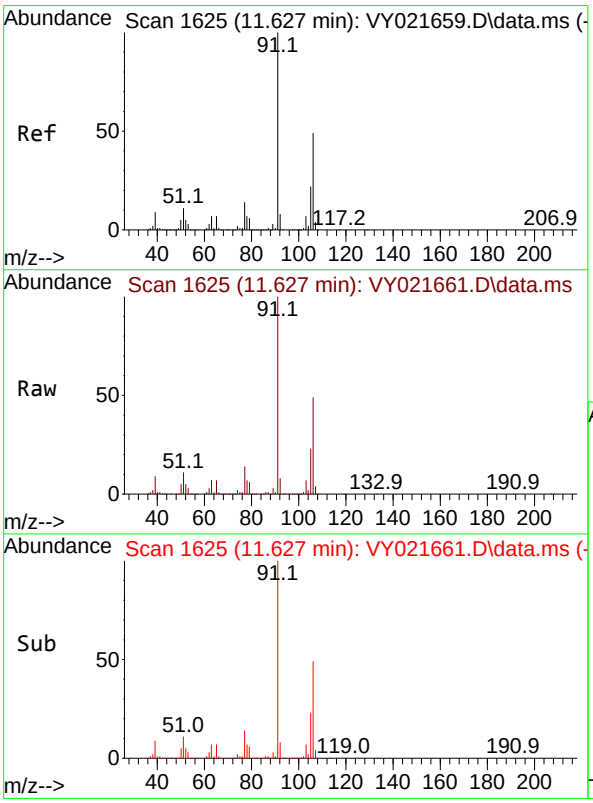
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

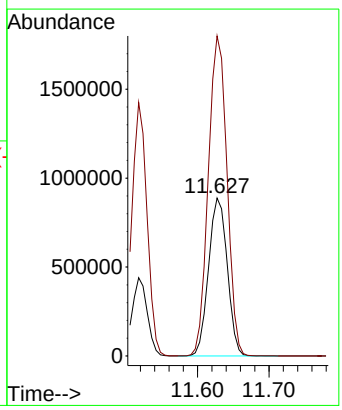
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

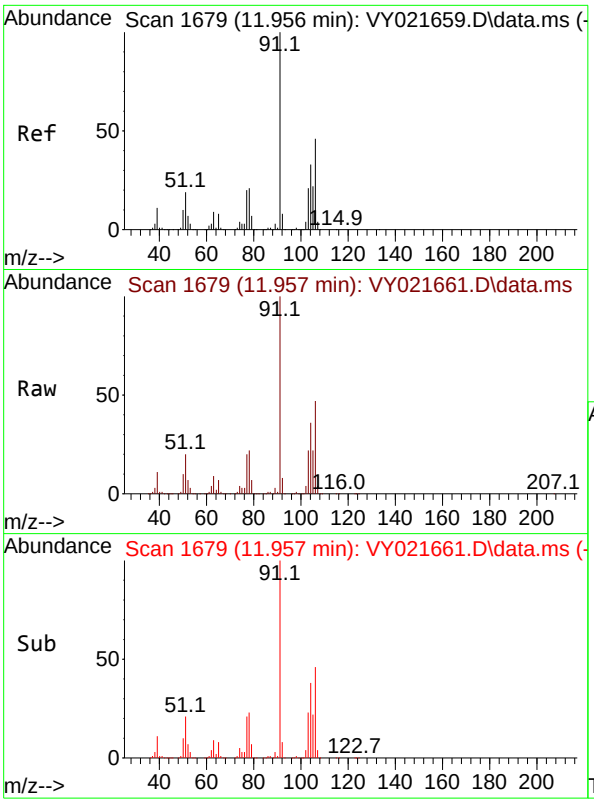


#68
m/p-Xylenes
Concen: 291.277 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:106 Resp: 1610305

Ion	Ratio	Lower	Upper
106	100		
91	203.1	162.4	243.6

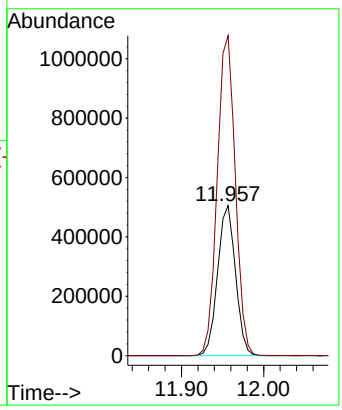




#69
o-Xylene
Concen: 149.852 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:106 Resp: 76472

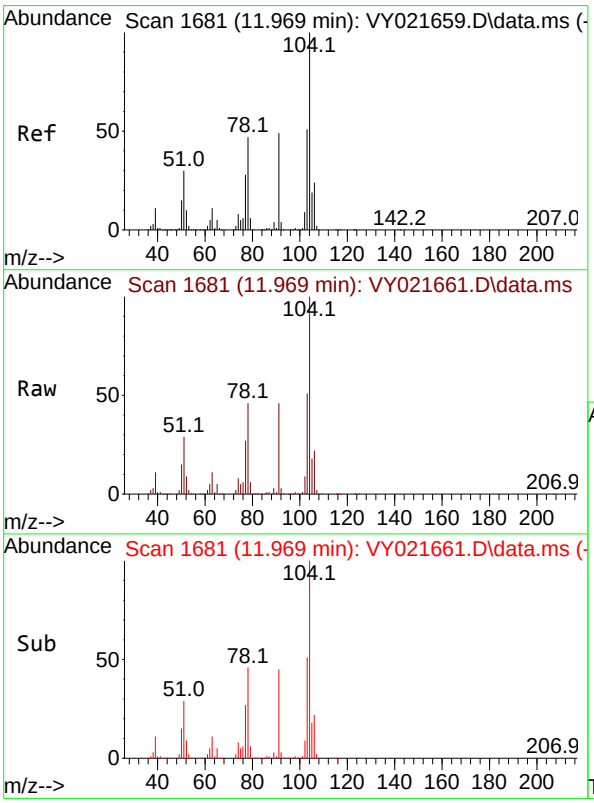
Ion	Ratio	Lower	Upper
106	100		
91	216.0	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

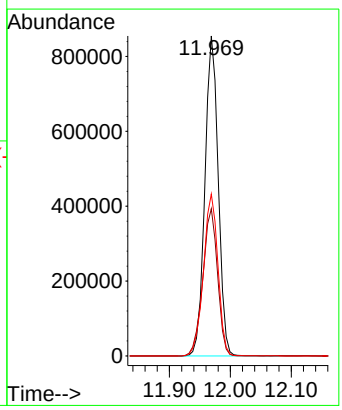
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

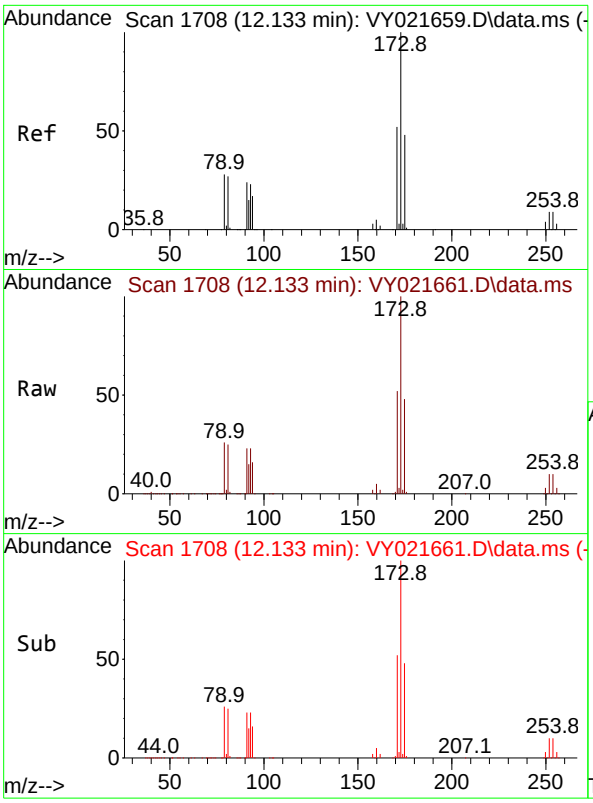


#70
Styrene
Concen: 152.877 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:104 Resp: 1300778

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.8	61.2
103	54.8	44.2	66.2

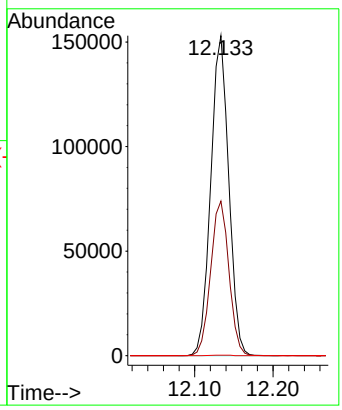




#71
Bromoform
Concen: 143.224 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:173 Resp: 24404

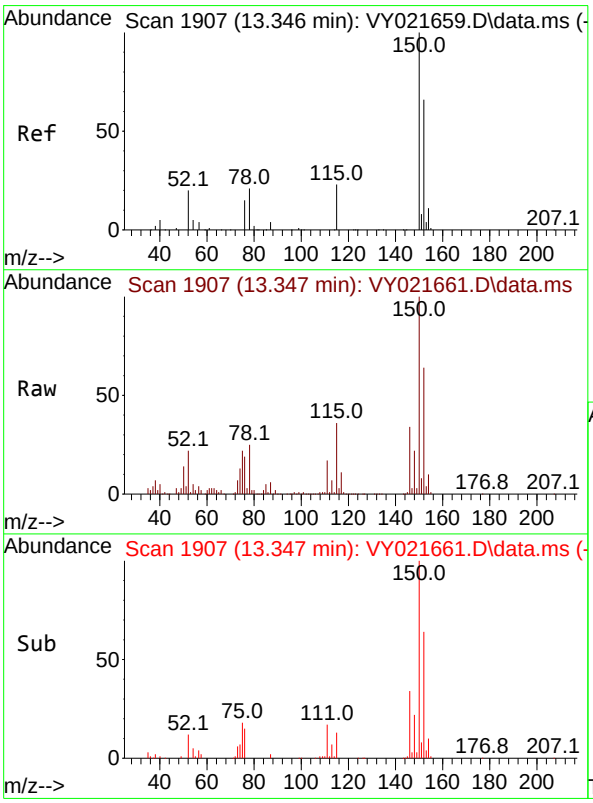
Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	73.0
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

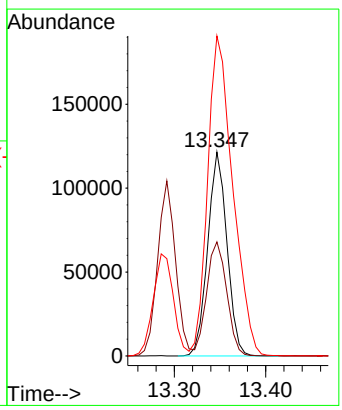
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

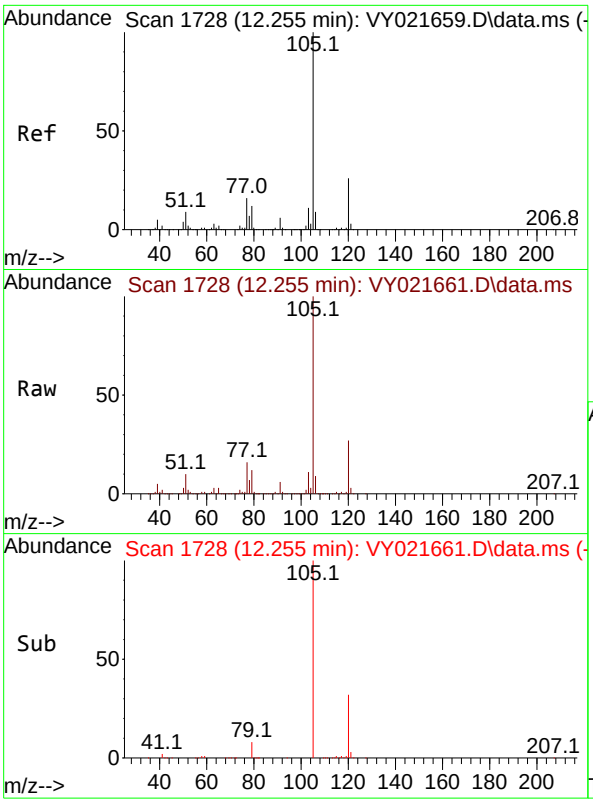


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:152 Resp: 177289

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.5
150	205.3	0.0	348.4

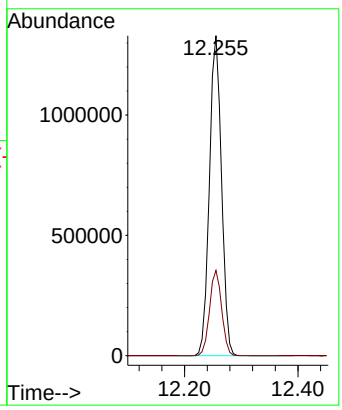




#73
Isopropylbenzene
Concen: 149.537 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:105 Resp: 196909

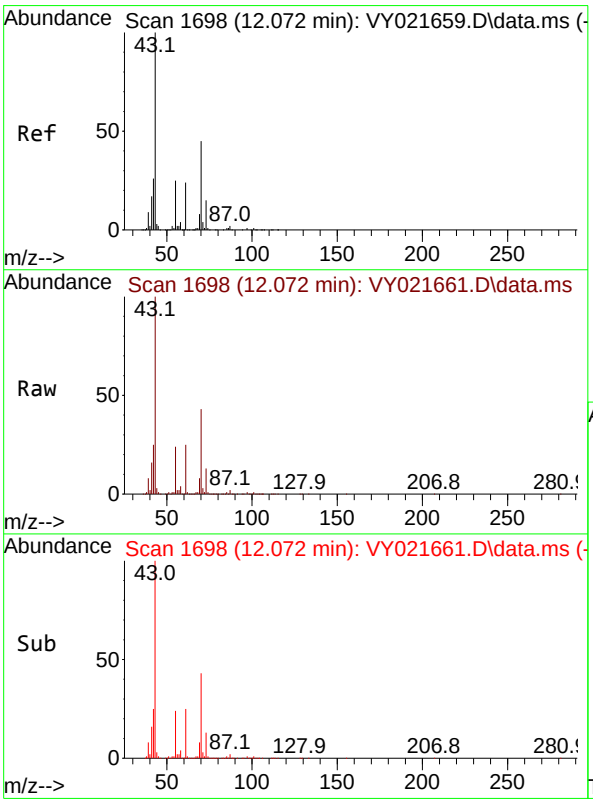
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

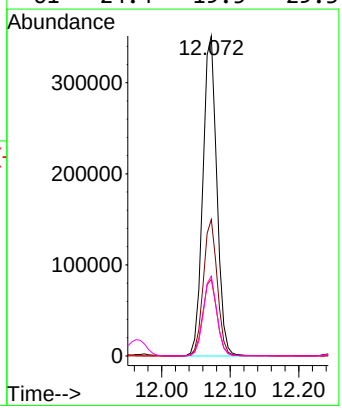
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

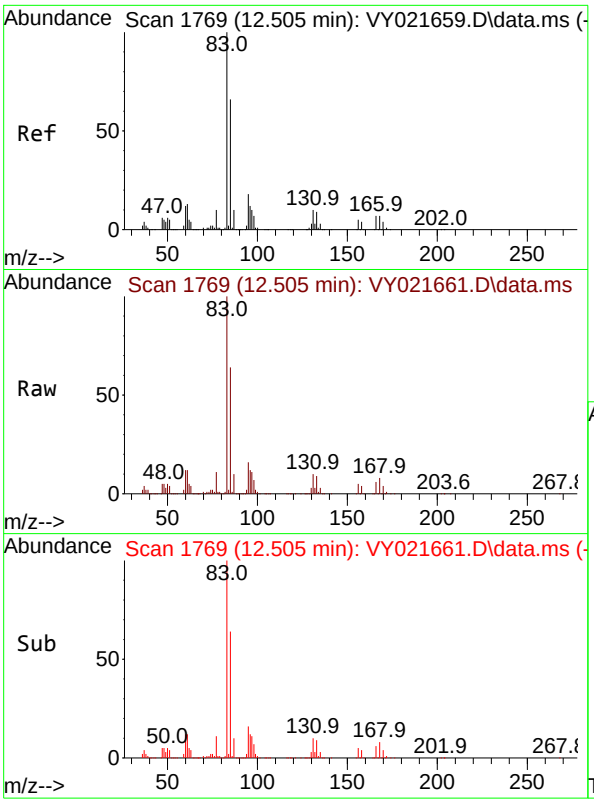


#74
N-amyl acetate
Concen: 161.437 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 43 Resp: 498903

Ion	Ratio	Lower	Upper
43	100		
70	42.6	34.7	52.1
55	24.5	21.2	31.8
61	24.4	19.5	29.3

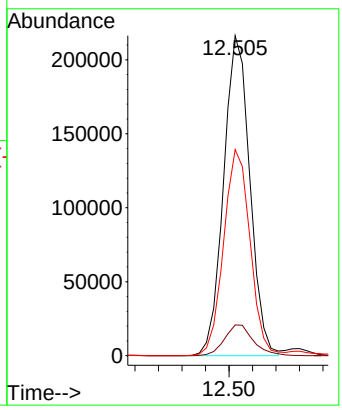




#75
1,1,2,2-Tetrachloroethane
Concen: 141.706 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 83 Resp: 33548

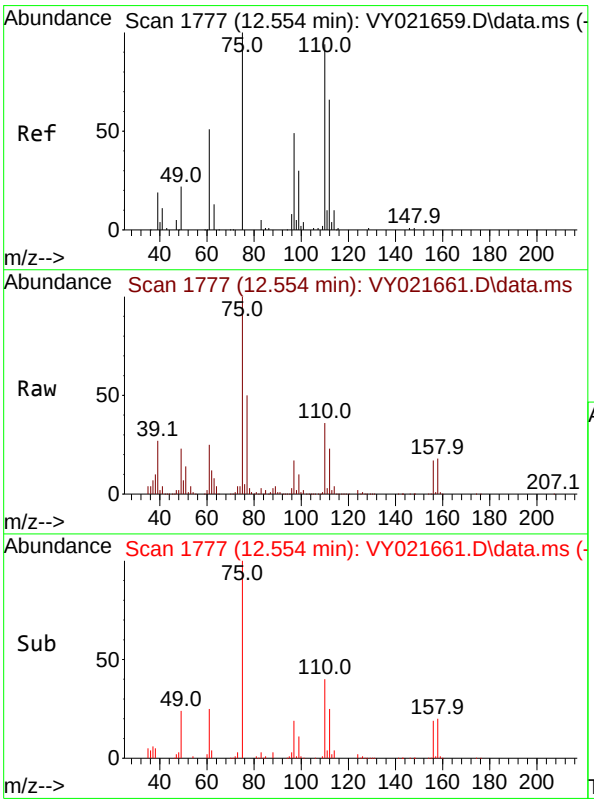
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	65.1	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

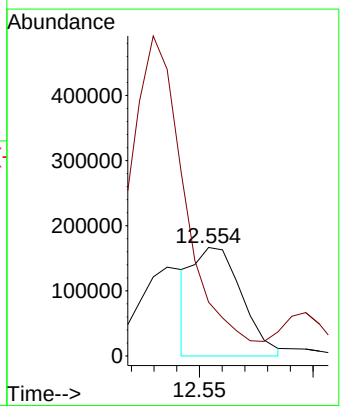
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

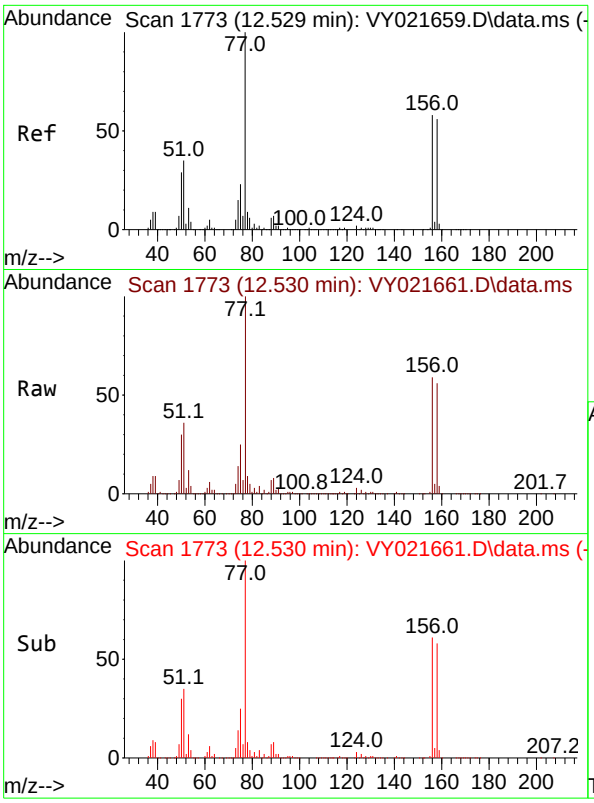


#76
1,2,3-Trichloropropane
Concen: 142.174 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 249855

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

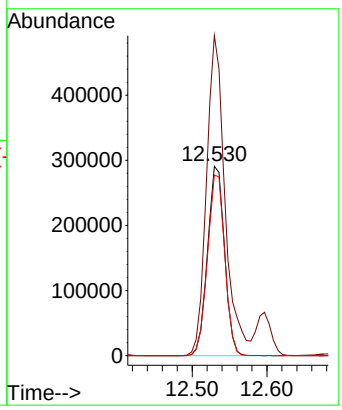




#77
Bromobenzene
Concen: 145.881 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:156 Resp: 46122

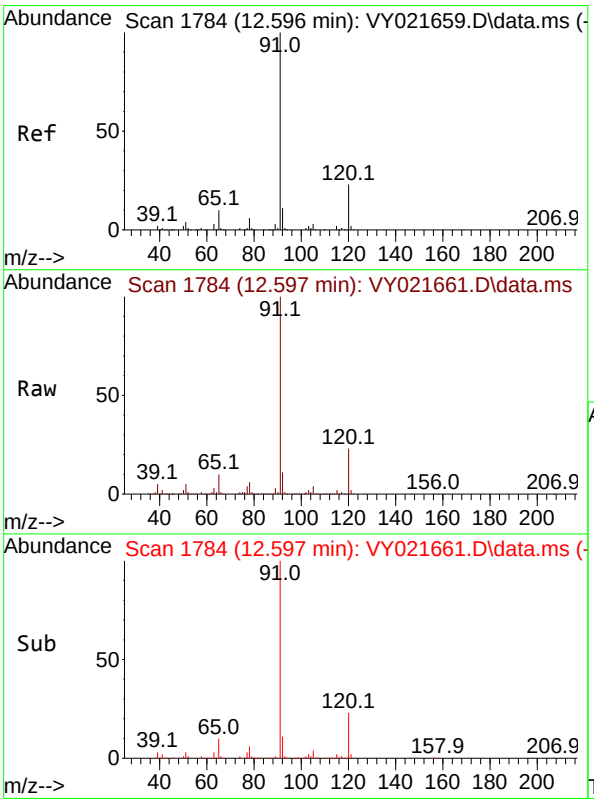
Ion	Ratio	Lower	Upper
156	100		
77	184.1	92.8	278.3
158	96.6	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

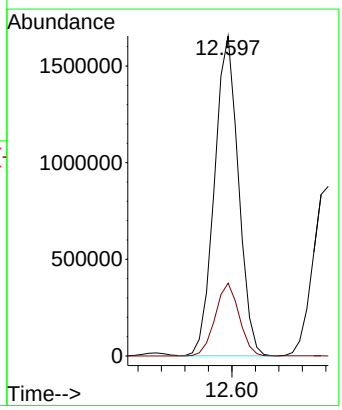
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

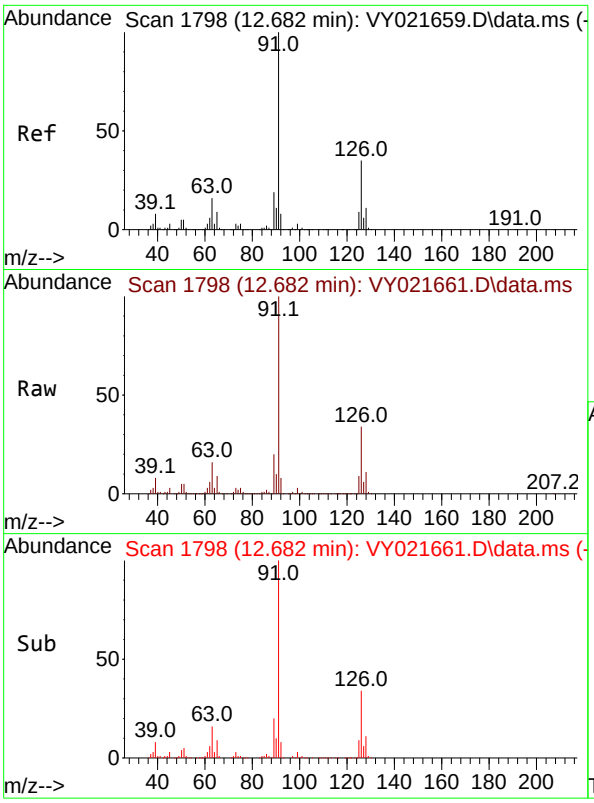


#78
n-propylbenzene
Concen: 148.082 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 2344286

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.9

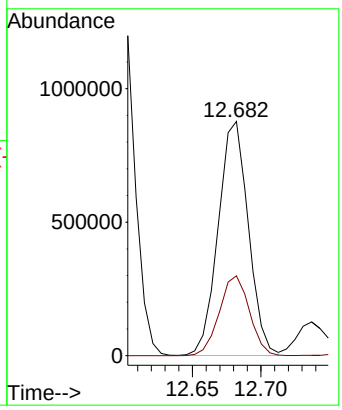




#79
2-Chlorotoluene
Concen: 146.095 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 134332

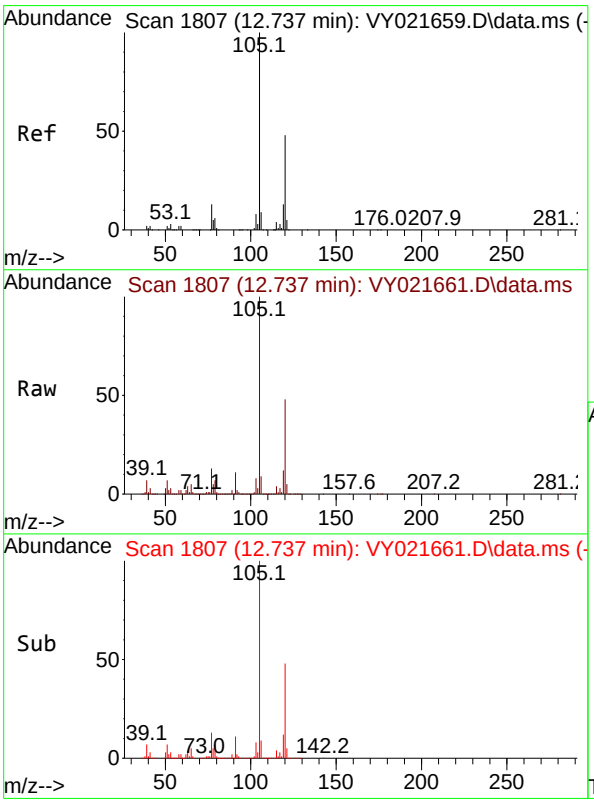
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

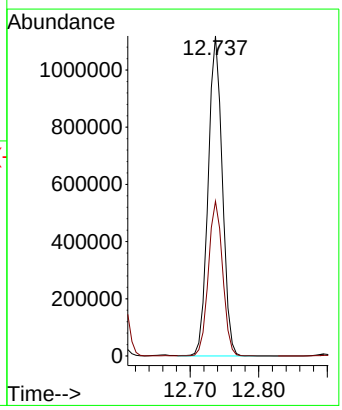
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

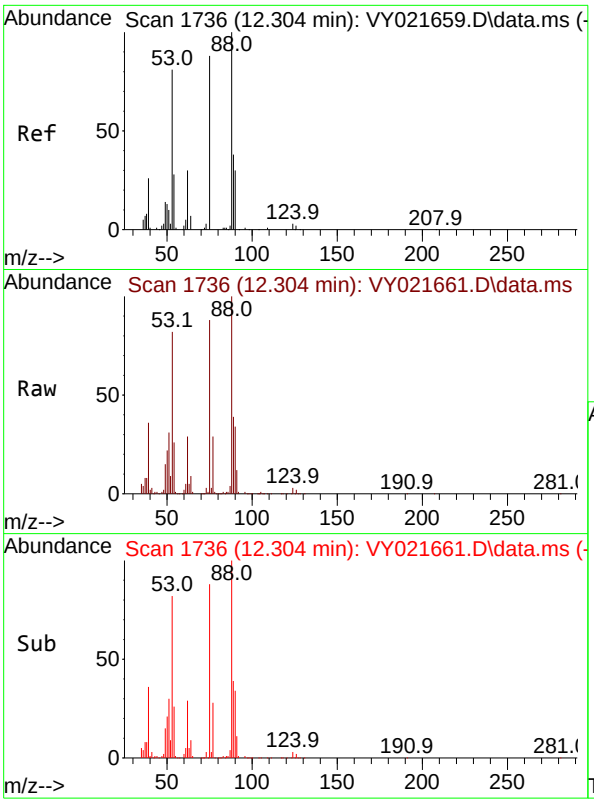


#80
1,3,5-Trimethylbenzene
Concen: 149.397 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:105 Resp: 1607812

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.5	73.5

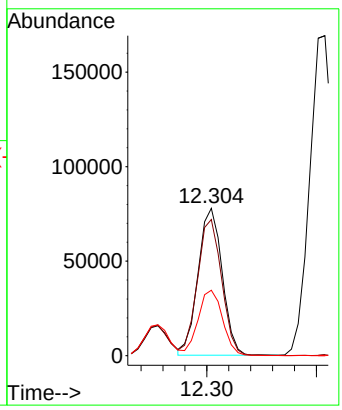




#81
trans-1,4-Dichloro-2-butene
Concen: 156.137 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 11908

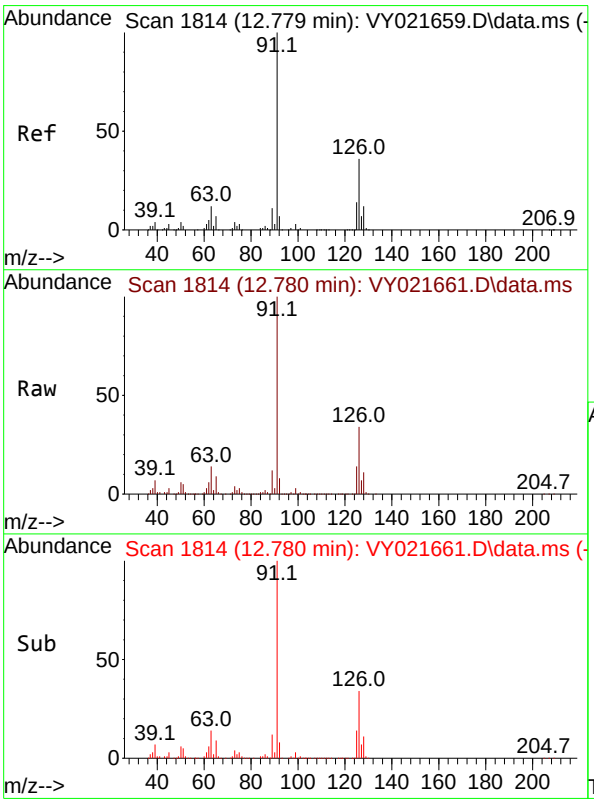
Ion	Ratio	Lower	Upper
75	100		
53	93.4	76.1	114.1
89	44.8	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

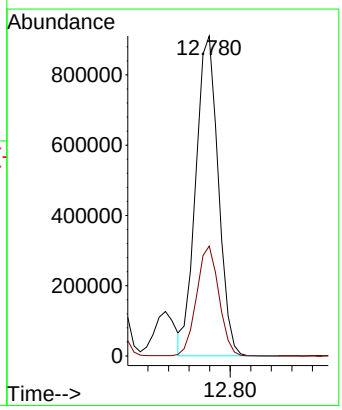
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

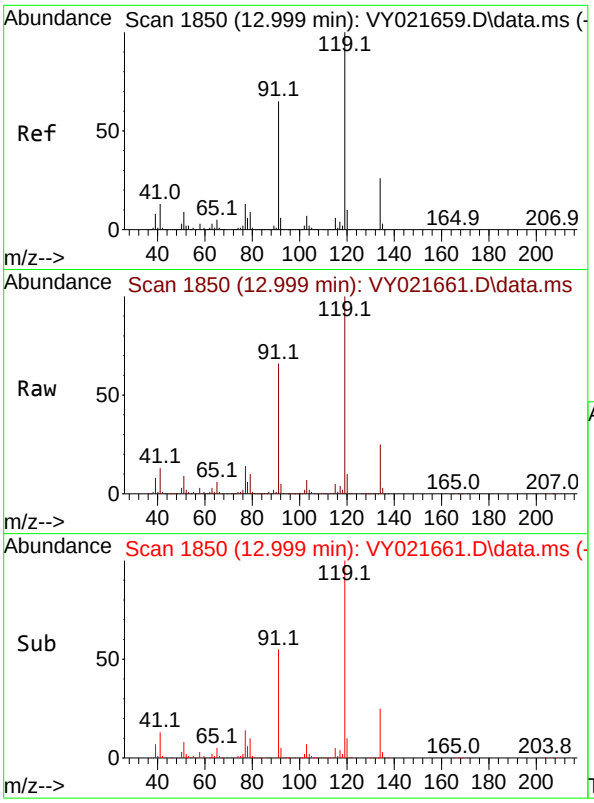


#82
4-Chlorotoluene
Concen: 144.608 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 1386233

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	50.9

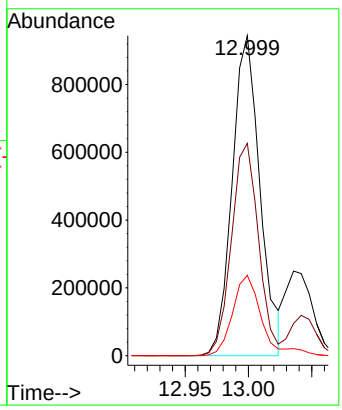




#83
tert-Butylbenzene
Concen: 150.647 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:119 Resp: 144405

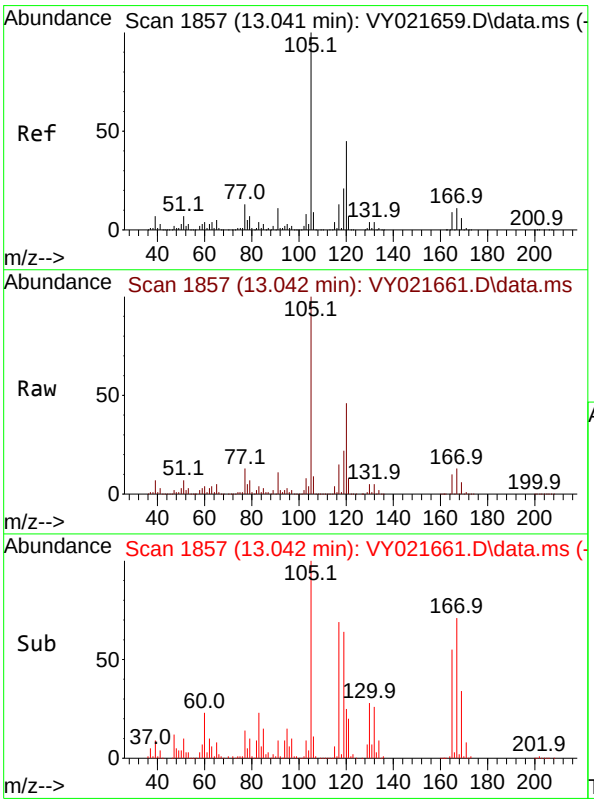
Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.6	97.7
134	26.3	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

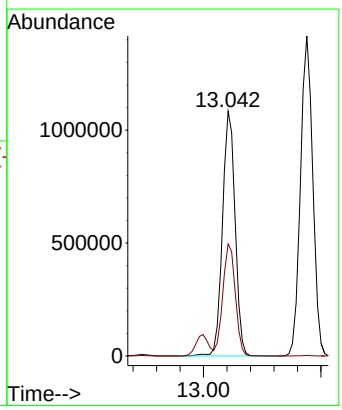
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

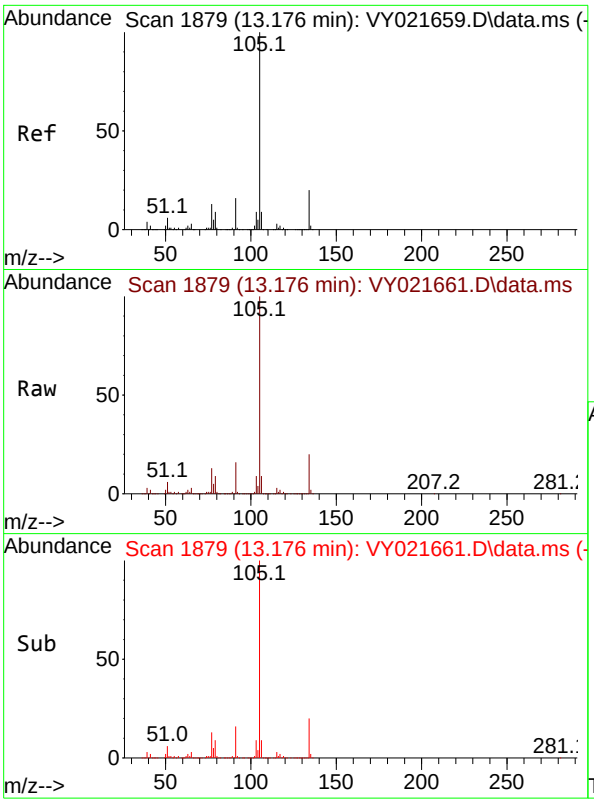


#84
1,2,4-Trimethylbenzene
Concen: 152.003 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:105 Resp: 1616812

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1

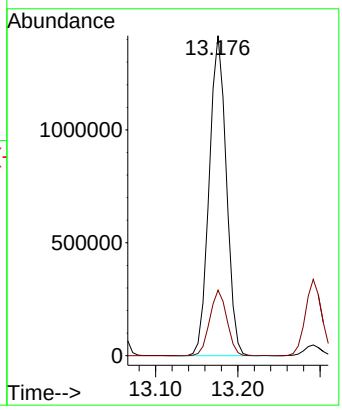




#85
sec-Butylbenzene
Concen: 146.493 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:105 Resp: 205215

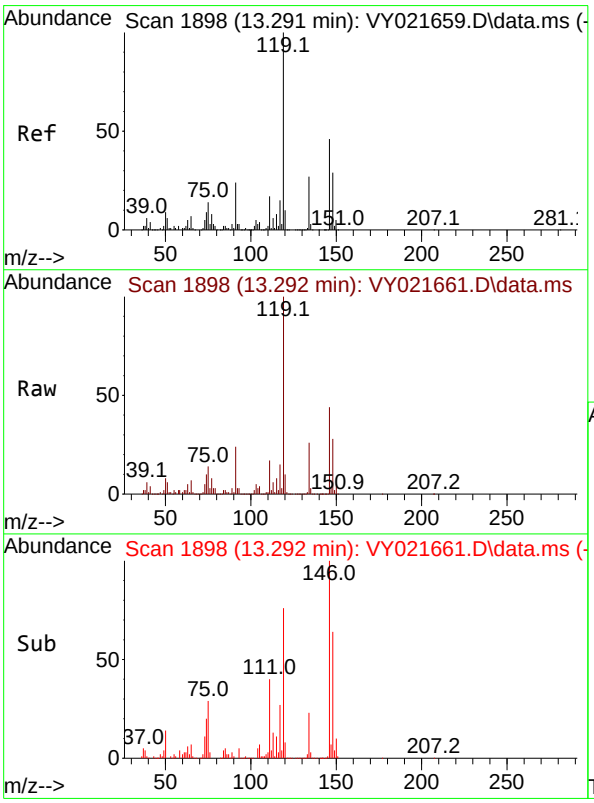
Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

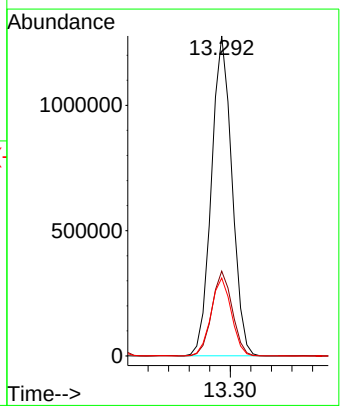
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

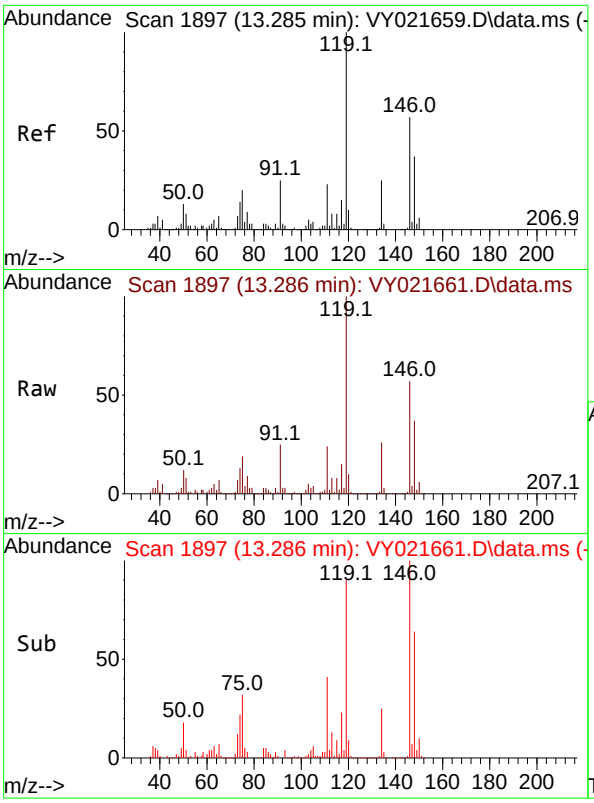


#86
p-Isopropyltoluene
Concen: 152.863 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:119 Resp: 1769866

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	24.2	12.0	36.0

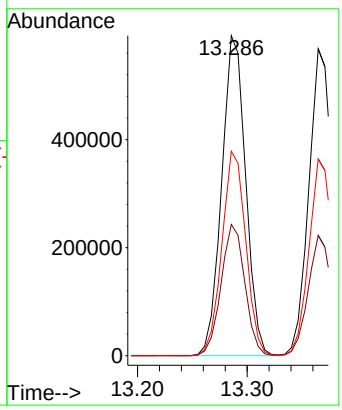




#87
1,3-Dichlorobenzene
Concen: 144.177 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:146 Resp: 89807

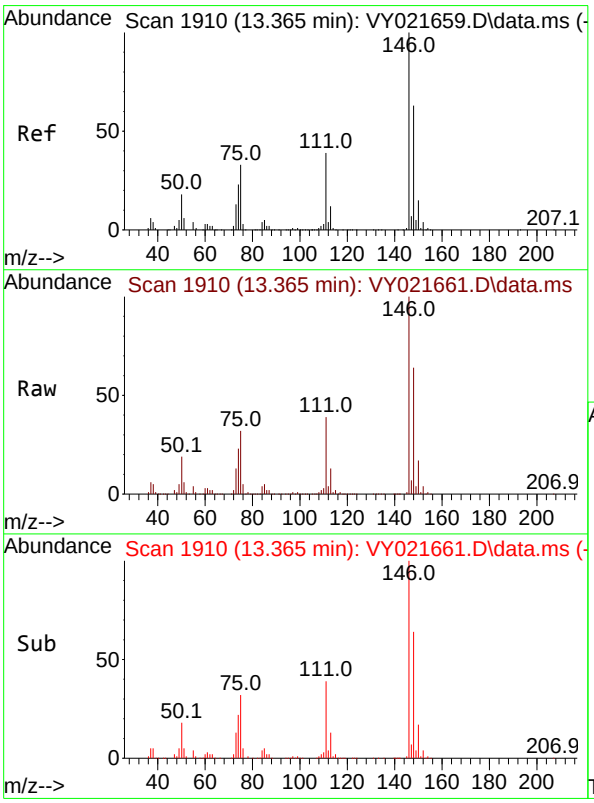
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	63.7	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

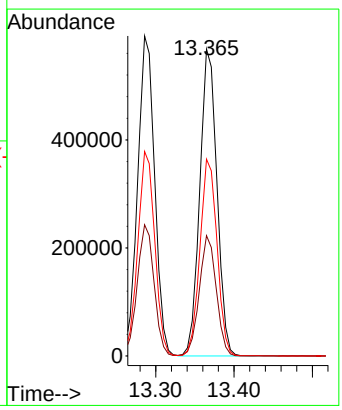
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

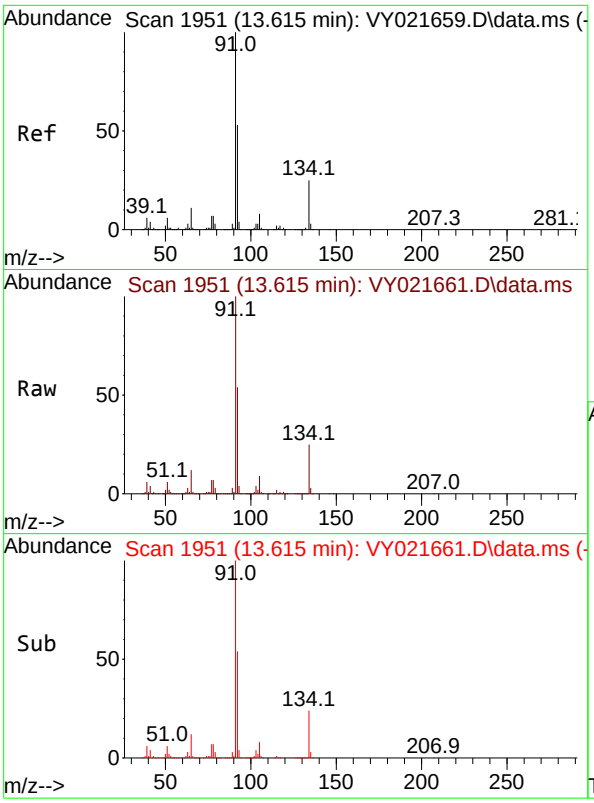


#88
1,4-Dichlorobenzene
Concen: 140.489 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:146 Resp: 864599

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	63.9	31.5	94.5

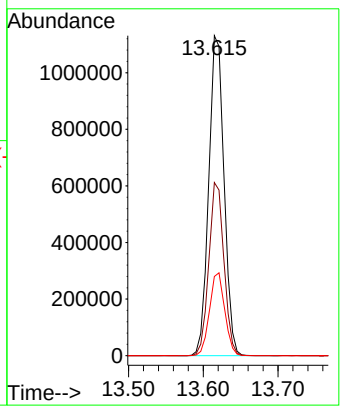




#89
n-Butylbenzene
Concen: 150.273 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 91 Resp: 160906

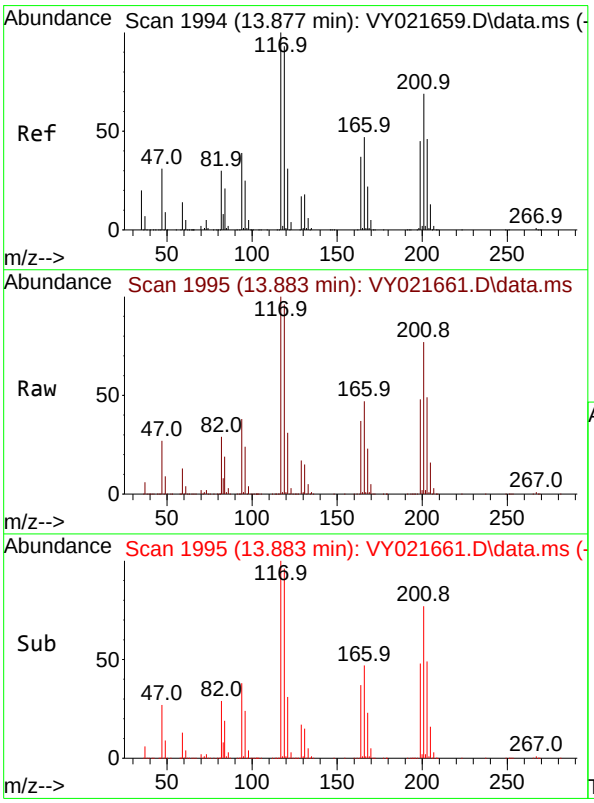
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.4	79.2
134	25.9	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

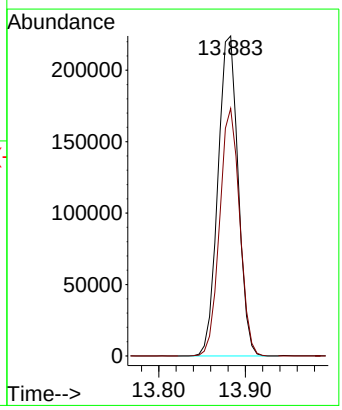
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

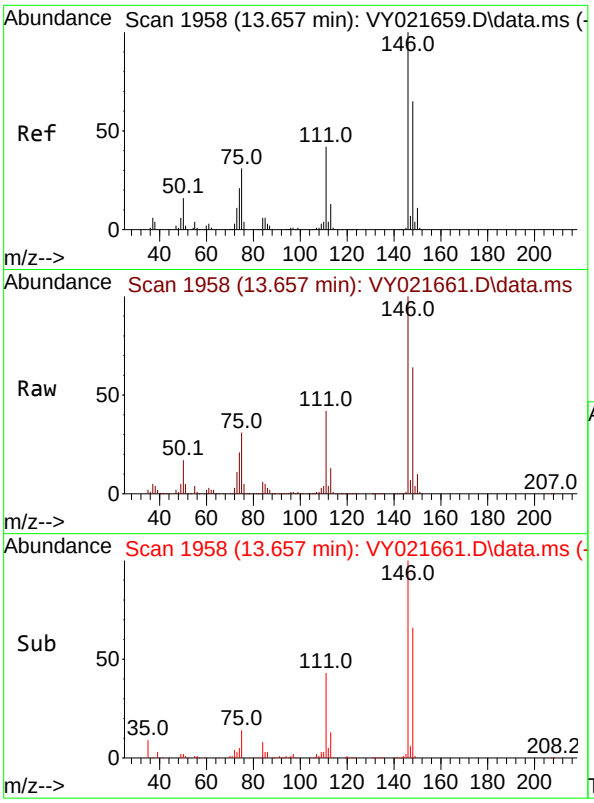


#90
Hexachloroethane
Concen: 143.167 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:117 Resp: 363244

Ion	Ratio	Lower	Upper
117	100		
201	76.3	37.4	112.1

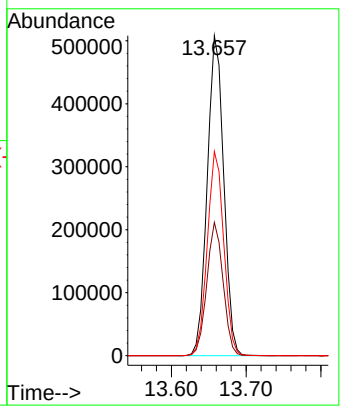




#91
1,2-Dichlorobenzene
Concen: 143.668 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:146 Resp: 77902

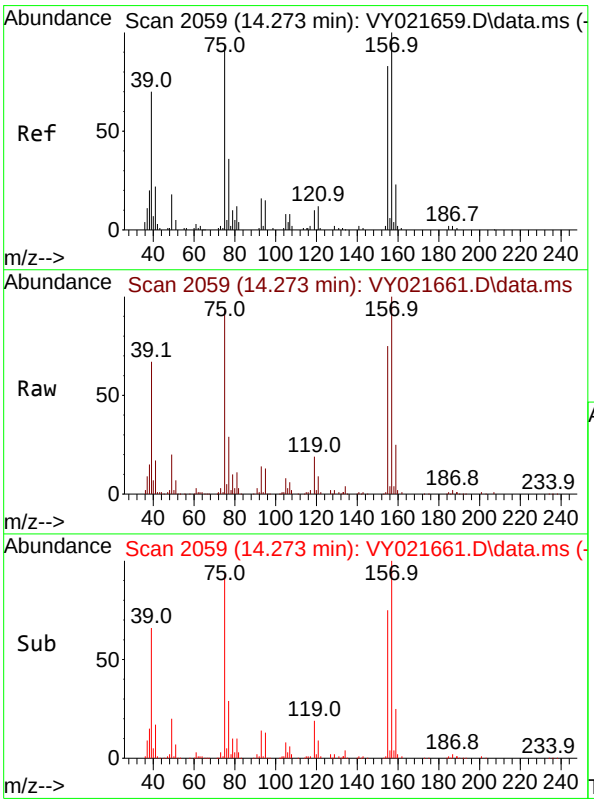
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	63.6	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

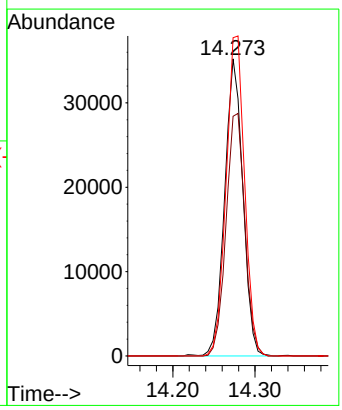
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

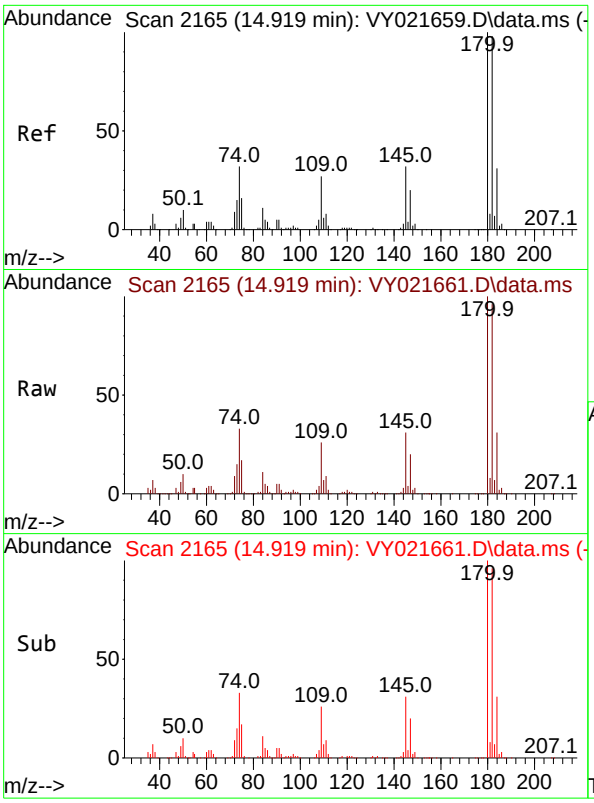


#92
1,2-Dibromo-3-Chloropropane
Concen: 147.345 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion: 75 Resp: 54066

Ion	Ratio	Lower	Upper
75	100		
155	84.5	43.0	128.8
157	109.7	54.0	162.0





#93
1,2,4-Trichlorobenzene
Concen: 160.803 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

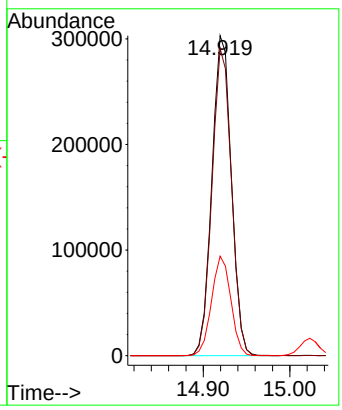
Tgt Ion:180 Resp: 47284

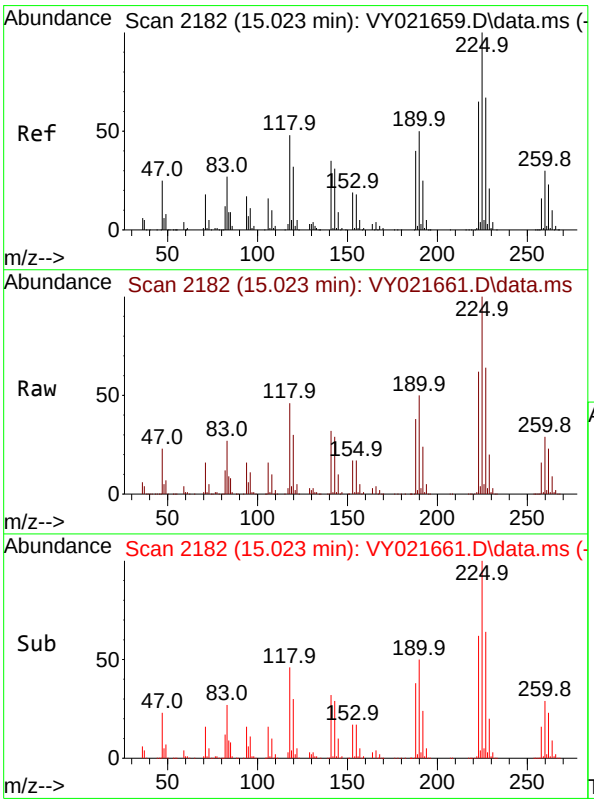
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	30.8	14.9	44.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

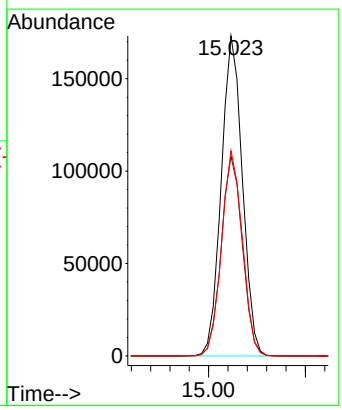


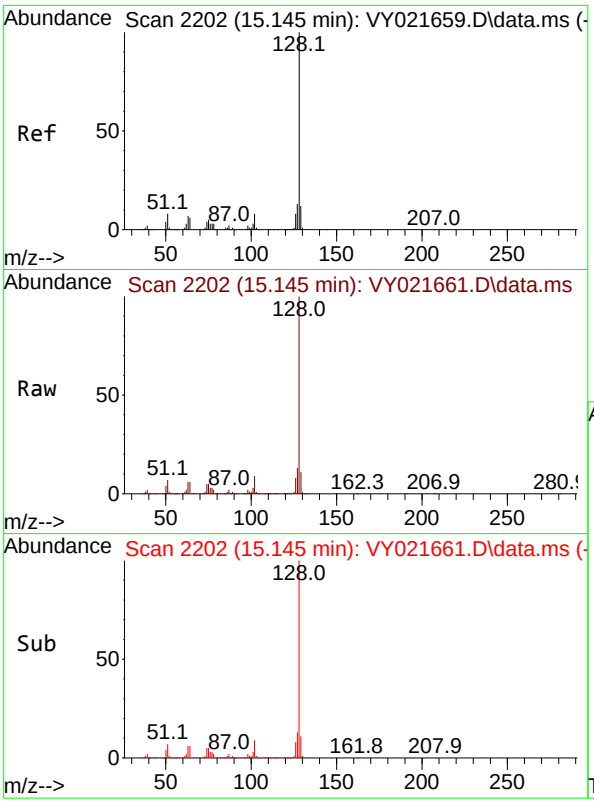


#94
Hexachlorobutadiene
Concen: 142.491 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:225 Resp: 261678

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.7
227	63.4	32.4	97.0

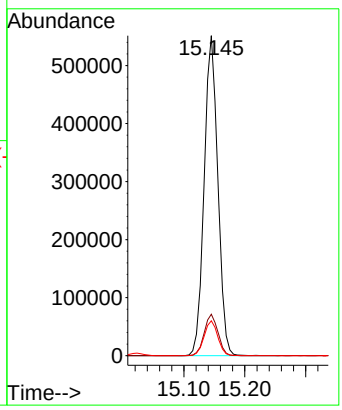




#95
Naphthalene
Concen: 176.342 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:128 Resp: 85949

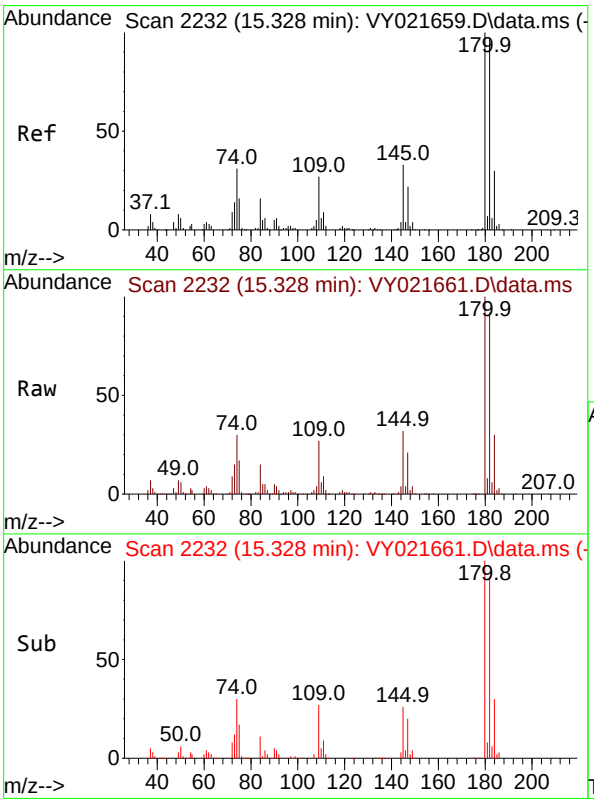
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	10.9	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

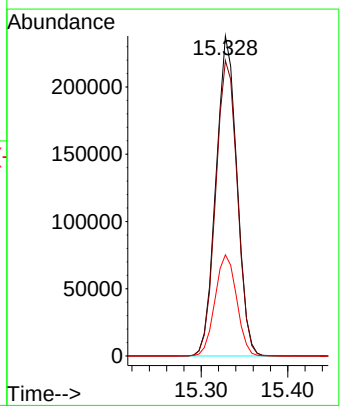
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 159.646 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021661.D
Acq: 27 Mar 2025 12:02

Tgt Ion:180 Resp: 400315

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.5
145	32.5	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	241281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	378246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	335061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	166949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137385	52.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.100%			
35) Dibromofluoromethane	7.634	113	133092	54.243	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.480%			
50) Toluene-d8	10.109	98	514482	55.117	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.407	95	174721	55.339	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	121620	48.632	ug/l	99
3) Chloromethane	2.068	50	178572	50.781	ug/l	99
4) Vinyl Chloride	2.202	62	193909	48.759	ug/l	99
5) Bromomethane	2.592	94	133650	49.274	ug/l	99
6) Chloroethane	2.732	64	131646	50.589	ug/l	98
7) Trichlorofluoromethane	3.055	101	264850	51.989	ug/l	96
8) Diethyl Ether	3.458	74	71773	51.807	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	129542	48.213	ug/l	97
10) Methyl Iodide	4.006	142	144020	48.859	ug/l	99
11) Tert butyl alcohol	4.860	59	40598	239.093	ug/l	98
12) 1,1-Dichloroethene	3.787	96	123904	48.958	ug/l	99
13) Acrolein	3.653	56	77430	249.738	ug/l	100
14) Allyl chloride	4.384	41	203289	50.380	ug/l	99
15) Acrylonitrile	5.061	53	142349	246.085	ug/l	99
16) Acetone	3.866	43	125654	234.856	ug/l	99
17) Carbon Disulfide	4.104	76	412021	49.428	ug/l	99
18) Methyl Acetate	4.384	43	64580	48.703	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	318579	50.561	ug/l	97
20) Methylene Chloride	4.616	84	139443	53.536	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	139842	50.186	ug/l	95
22) Diisopropyl ether	6.018	45	434011	51.273	ug/l	98
23) Vinyl Acetate	5.957	43	1270842	256.638	ug/l	98
24) 1,1-Dichloroethane	5.915	63	253080	50.001	ug/l	99
25) 2-Butanone	6.890	43	184108	240.921	ug/l	99
26) 2,2-Dichloropropane	6.884	77	221076	49.103	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	159206	50.806	ug/l	99
28) Bromochloromethane	7.244	49	107500	50.360	ug/l	98
29) Tetrahydrofuran	7.262	42	121613	247.271	ug/l	99
30) Chloroform	7.420	83	260540	49.490	ug/l	100
31) Cyclohexane	7.701	56	220748	47.844	ug/l	97
32) 1,1,1-Trichloroethane	7.615	97	234663	49.319	ug/l	99
36) 1,1-Dichloropropene	7.835	75	188082	50.326	ug/l	100
37) Ethyl Acetate	6.981	43	86681	49.145	ug/l	99
38) Carbon Tetrachloride	7.817	117	213223	49.814	ug/l	99
39) Methylcyclohexane	9.109	83	231457	51.843	ug/l	96
40) Benzene	8.079	78	566027	50.574	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	44469	47.475	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	156359	49.556	ug/l		99
43) Isopropyl Acetate	8.195	43	167476	50.106	ug/l	#	87
44) Trichloroethene	8.865	130	142392	49.933	ug/l		98
45) 1,2-Dichloropropane	9.140	63	132882	50.158	ug/l		95
46) Dibromomethane	9.231	93	76421	50.052	ug/l		98
47) Bromodichloromethane	9.426	83	199912	50.530	ug/l		99
48) Methyl methacrylate	9.219	41	79887	52.076	ug/l		98
49) 1,4-Dioxane	9.225	88	16464	1006.593	ug/l		90
51) 4-Methyl-2-Pentanone	9.999	43	439879	252.890	ug/l		100
52) Toluene	10.170	92	360002	51.555	ug/l		99
53) t-1,3-Dichloropropene	10.395	75	179752	51.152	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	212066	51.154	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	97567	49.656	ug/l		99
56) Ethyl methacrylate	10.438	69	136411	54.371	ug/l		98
57) 1,3-Dichloropropane	10.719	76	171579	50.563	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	338673	276.714	ug/l		99
59) 2-Hexanone	10.761	43	295472	255.065	ug/l		99
60) Dibromochloromethane	10.914	129	135955	50.679	ug/l		100
61) 1,2-Dibromoethane	11.017	107	93947	50.970	ug/l		99
64) Tetrachloroethene	10.645	164	145736	47.757	ug/l		98
65) Chlorobenzene	11.444	112	386987	50.384	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	138442	50.802	ug/l		99
67) Ethyl Benzene	11.517	91	689434	52.346	ug/l		100
68) m/p-Xylenes	11.627	106	531589	105.402	ug/l		100
69) o-Xylene	11.956	106	247091	53.075	ug/l		99
70) Styrene	11.968	104	416261	53.627	ug/l		99
71) Bromoform	12.133	173	78932	50.778	ug/l	#	99
73) Isopropylbenzene	12.255	105	653541	52.705	ug/l		100
74) N-amyl acetate	12.072	43	152268	52.323	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	109833	49.266	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	70644m	42.688	ug/l		
77) Bromobenzene	12.535	156	152211	51.125	ug/l		99
78) n-propylbenzene	12.596	91	792814	53.182	ug/l		100
79) 2-Chlorotoluene	12.682	91	447402	51.671	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	539512	53.236	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	35543	49.488	ug/l		97
82) 4-Chlorotoluene	12.779	91	469122	51.969	ug/l		100
83) tert-Butylbenzene	12.999	119	474947	52.616	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	535411	53.454	ug/l		100
85) sec-Butylbenzene	13.175	105	692180	52.471	ug/l		100
86) p-Isopropyltoluene	13.291	119	583069	53.479	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	299075	50.987	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	288264	49.741	ug/l		99
89) n-Butylbenzene	13.621	91	533666	52.927	ug/l		100
90) Hexachloroethane	13.883	117	120546	50.454	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	257071	50.346	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	16750	48.476	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	142409	51.429	ug/l		100
94) Hexachlorobutadiene	15.029	225	86891	50.245	ug/l		96
95) Naphthalene	15.145	128	237561	51.759	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	119575	50.640	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

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

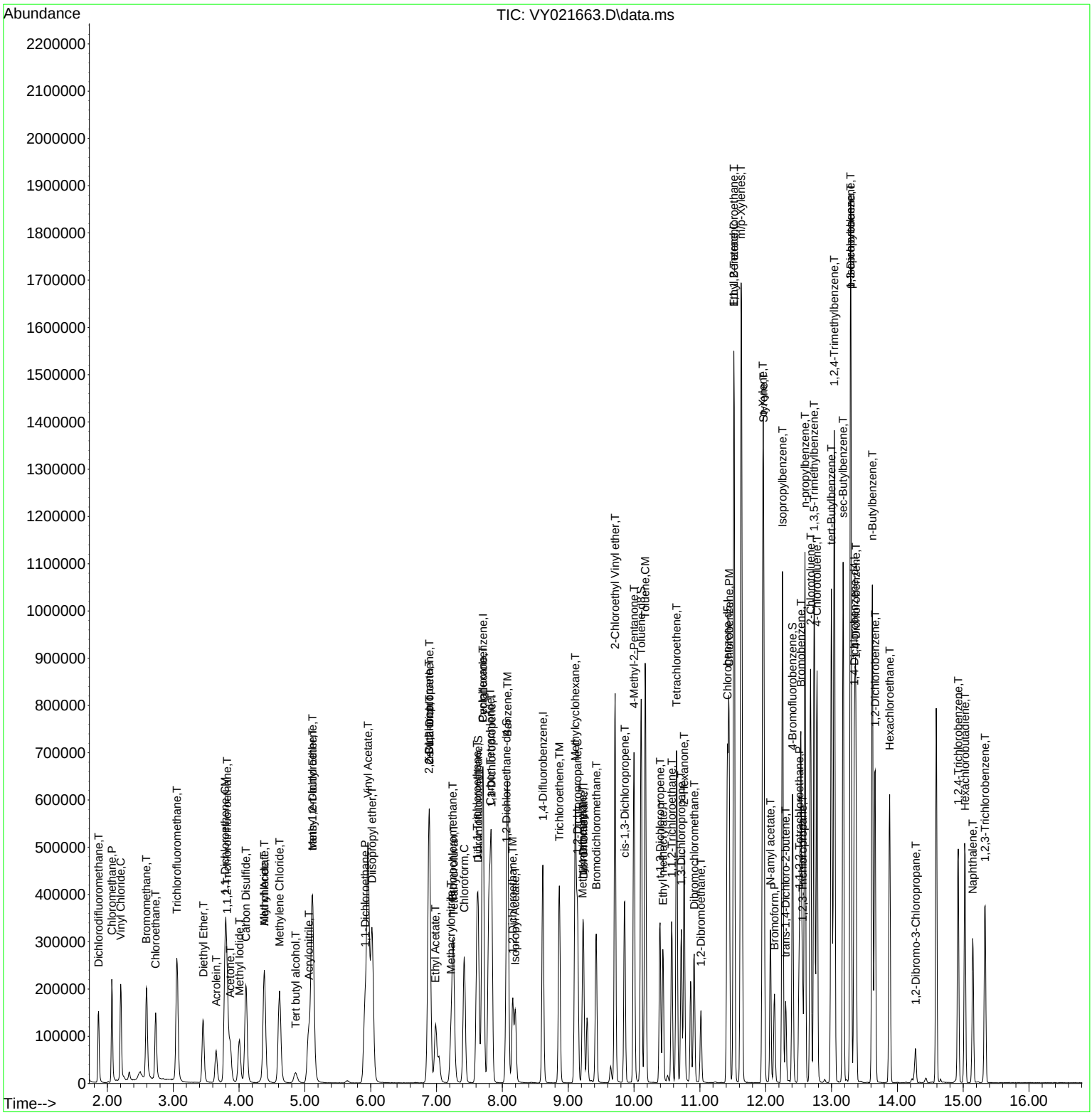
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Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

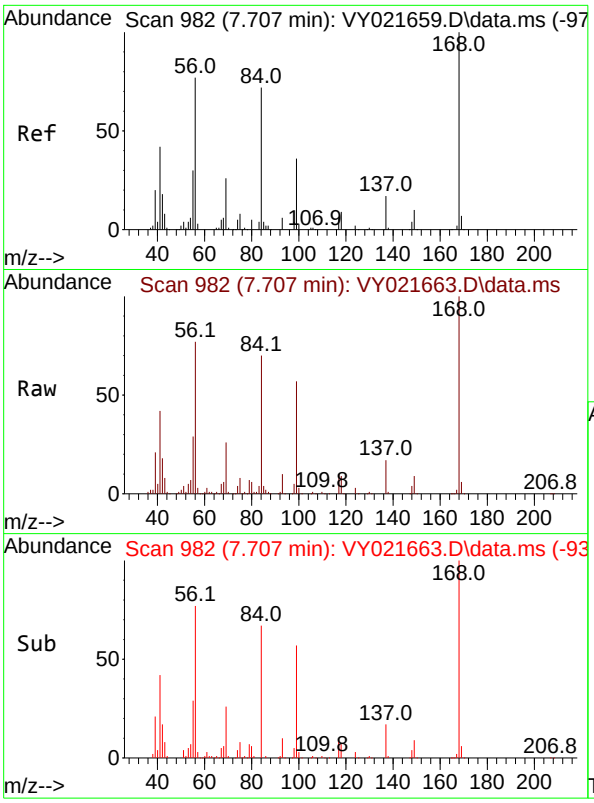
Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

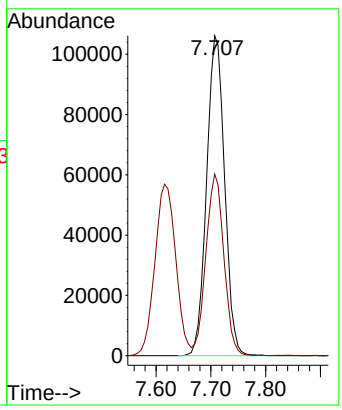




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:168 Resp: 24128

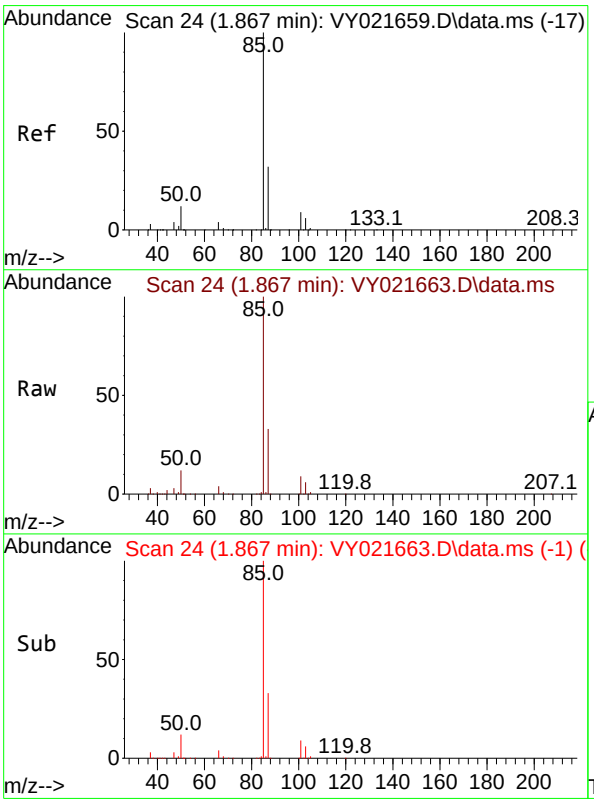
Ion	Ratio	Lower	Upper
168	100		
99	56.7	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

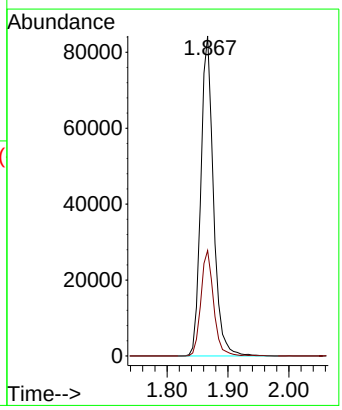
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

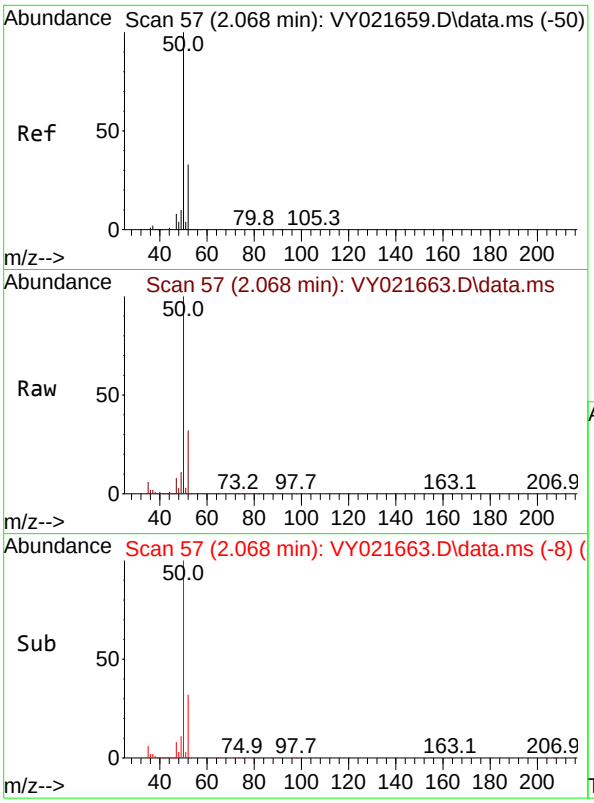


#2
Dichlorodifluoromethane
Concen: 48.632 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 85 Resp: 121620

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.2	48.6

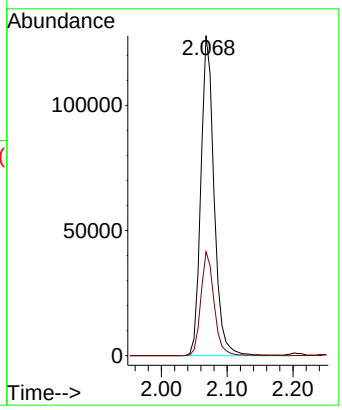




#3
Chloromethane
Concen: 50.781 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 50 Resp: 17857

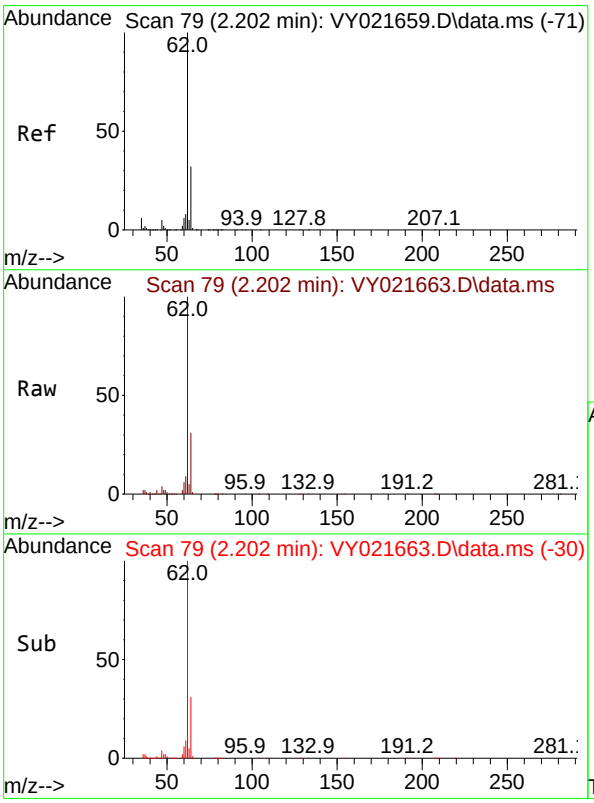
Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

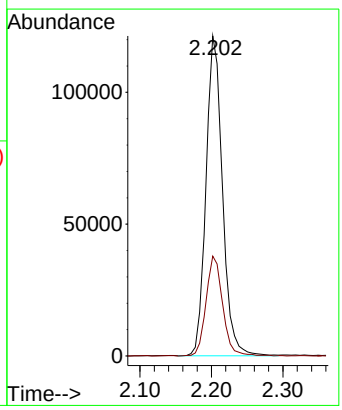
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

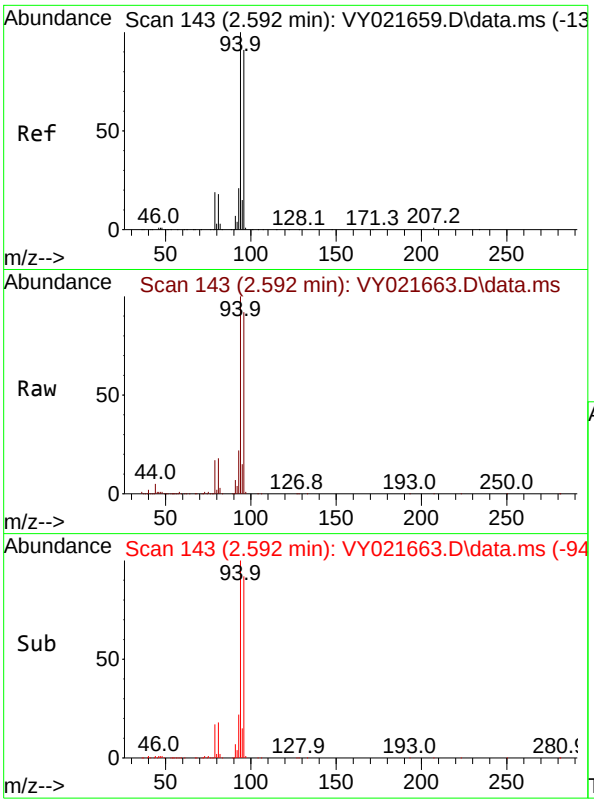


#4
Vinyl Chloride
Concen: 48.759 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 62 Resp: 193909

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.5	38.3





#5
Bromomethane
Concen: 49.274 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

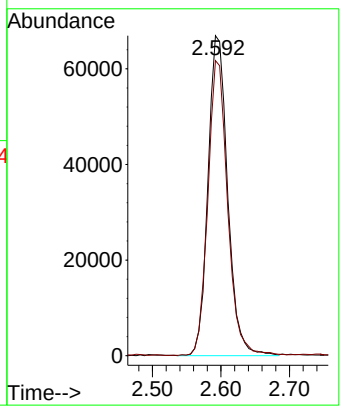
Tgt Ion: 94 Resp: 13365

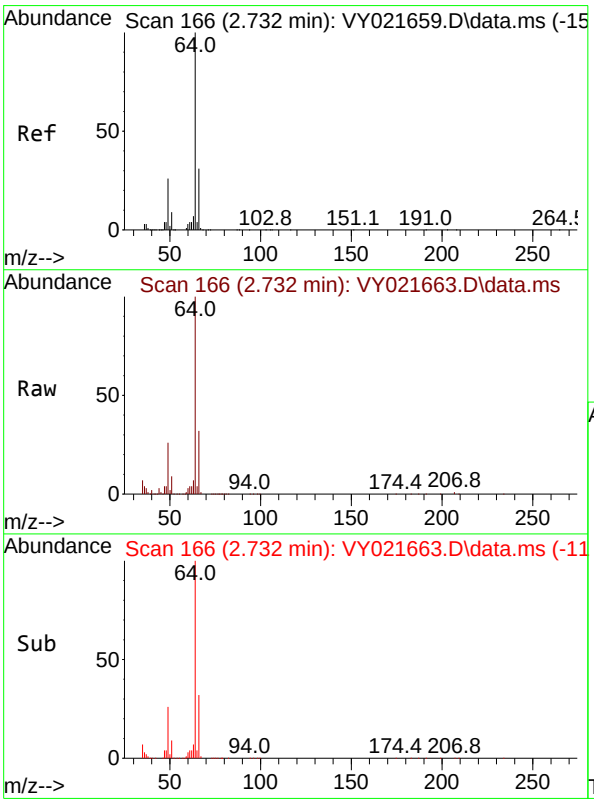
Ion	Ratio	Lower	Upper
94	100		
96	92.1	72.8	109.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

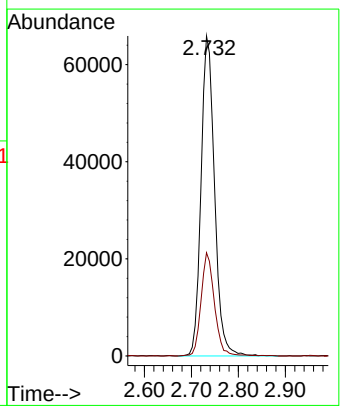


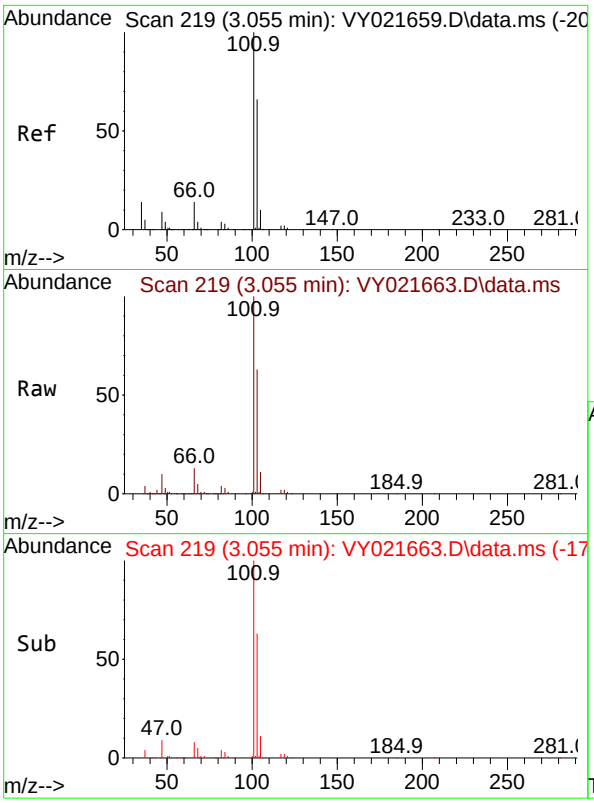


#6
Chloroethane
Concen: 50.589 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 64 Resp: 131646

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.9	37.3





#7
Trichlorofluoromethane
Concen: 51.989 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

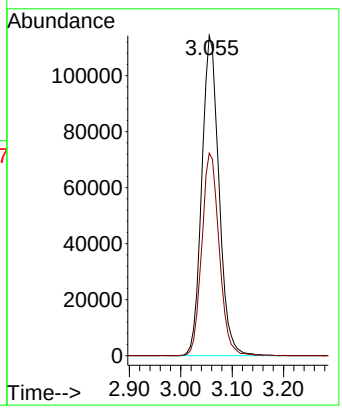
Tgt Ion:101 Resp: 26485

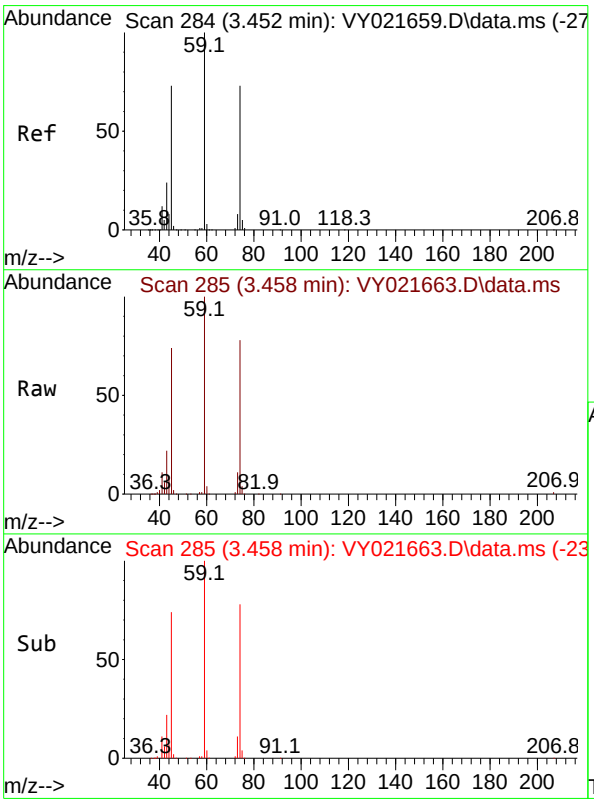
Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.1	79.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

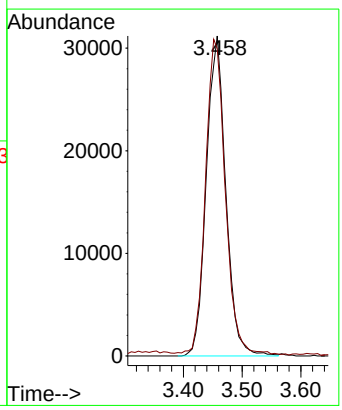


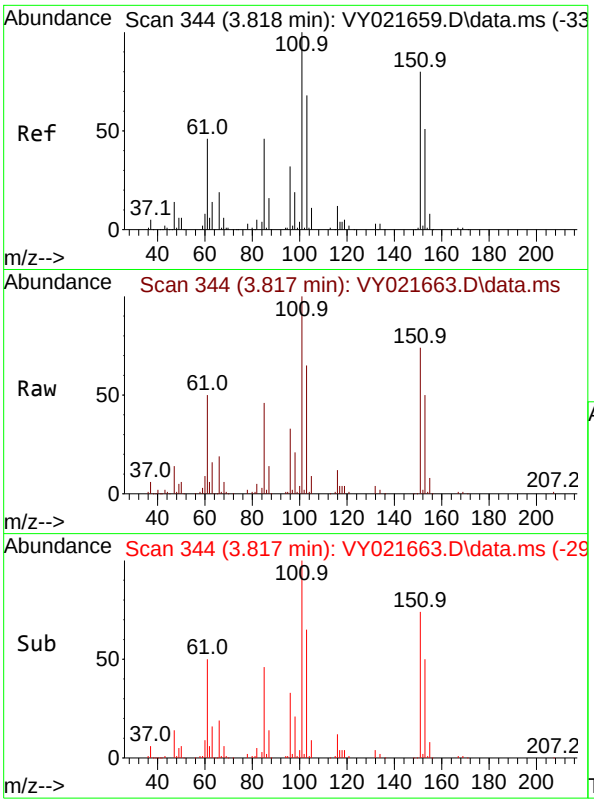


#8
Diethyl Ether
Concen: 51.807 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 74 Resp: 71773

Ion	Ratio	Lower	Upper
74	100		
45	101.3	48.6	145.8

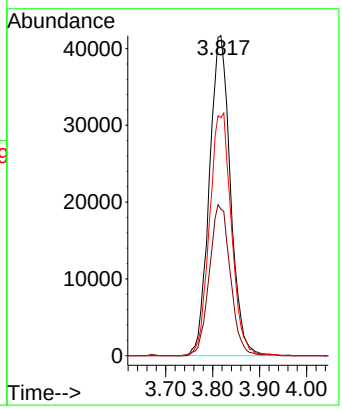




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.213 ug/l
RT: 3.817 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:101 Resp: 12954

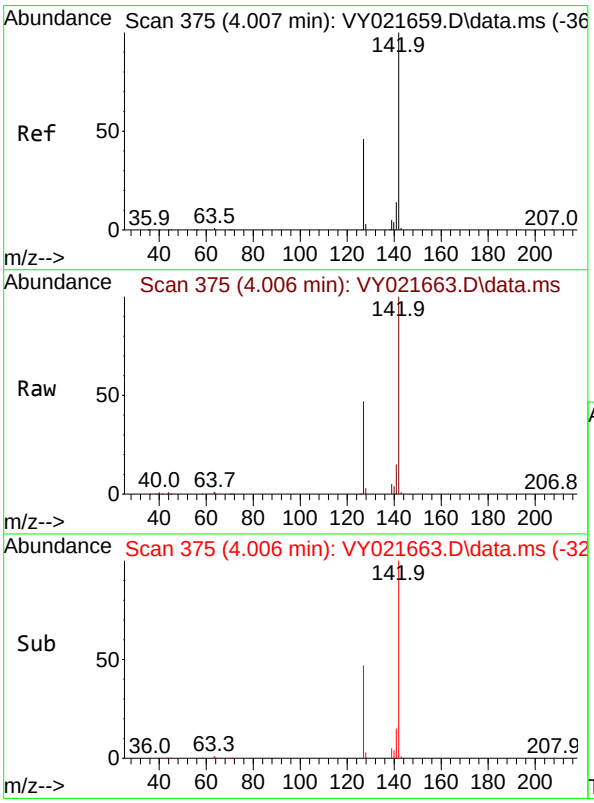
Ion	Ratio	Lower	Upper
101	100		
85	47.2	36.3	54.5
151	78.7	61.3	91.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

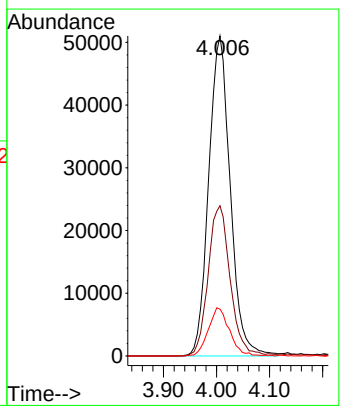
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

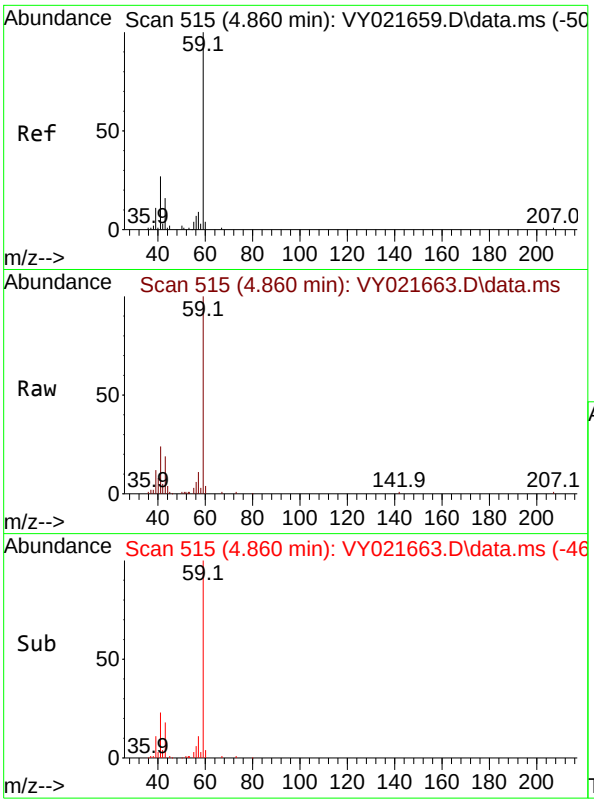


#10
Methyl Iodide
Concen: 48.859 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:142 Resp: 144020

Ion	Ratio	Lower	Upper
142	100		
127	47.9	38.7	58.1
141	14.8	11.5	17.3

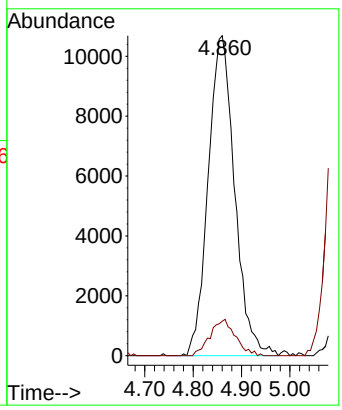




#11
Tert butyl alcohol
Concen: 239.093 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 59 Resp: 4059

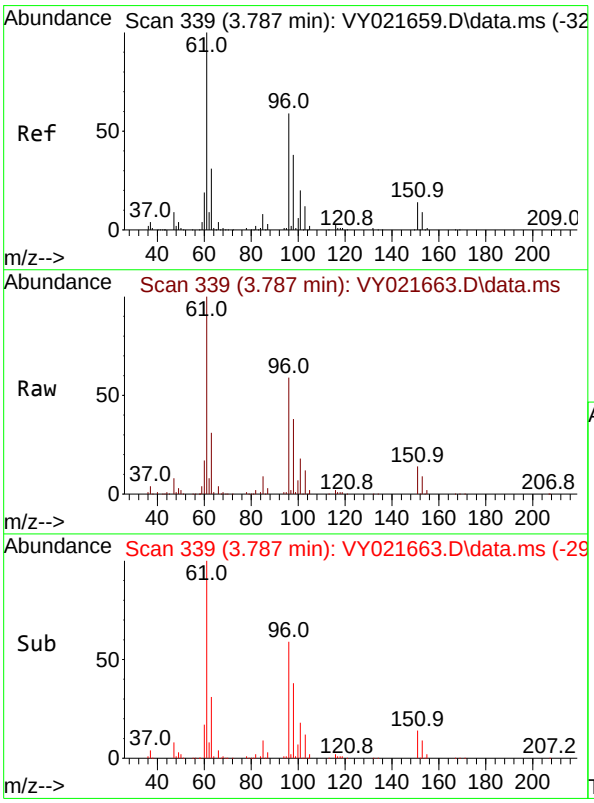
Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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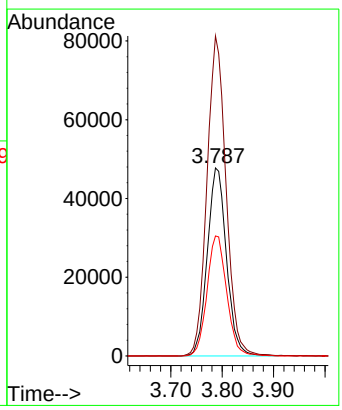
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

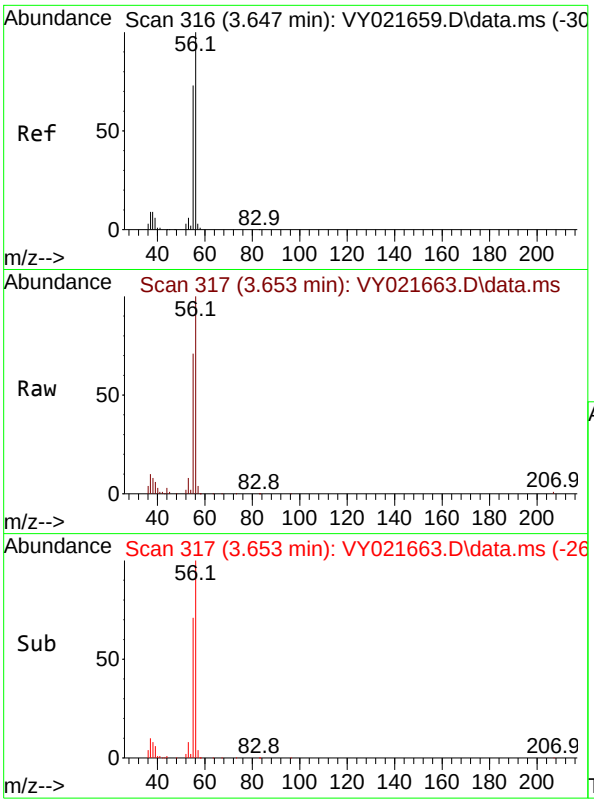


#12
1,1-Dichloroethene
Concen: 48.958 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 96 Resp: 123904

Ion	Ratio	Lower	Upper
96	100		
61	170.1	136.6	204.8
98	63.8	52.3	78.5

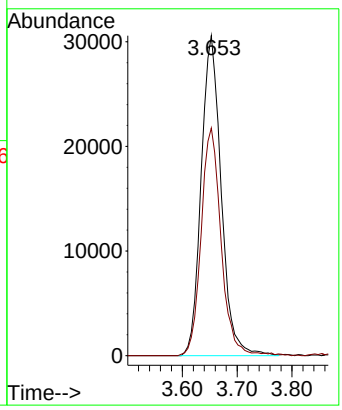




#13
Acrolein
Concen: 249.738 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 56 Resp: 7743

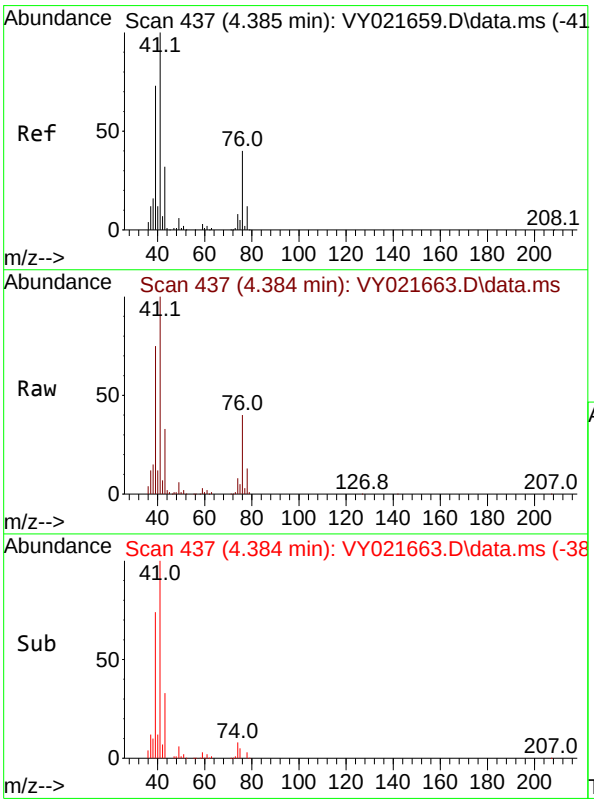
Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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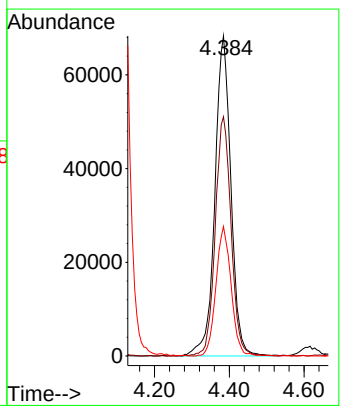
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

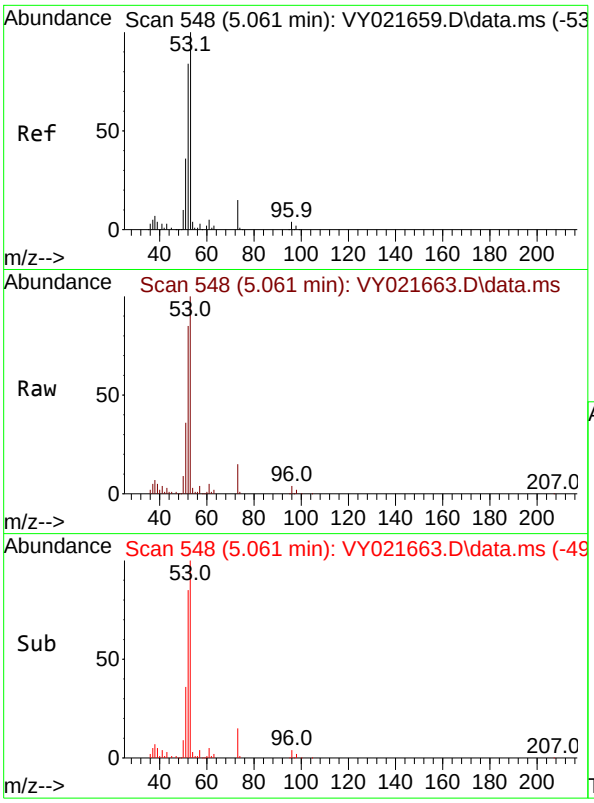


#14
Allyl chloride
Concen: 50.380 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 41 Resp: 203289

Ion	Ratio	Lower	Upper
41	100		
39	73.9	58.6	88.0
76	38.3	30.3	45.5





#15
Acrylonitrile
Concen: 246.085 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

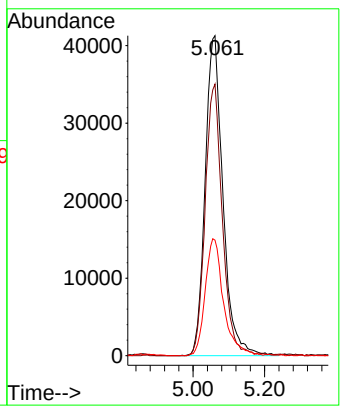
Tgt Ion: 53 Resp: 14234

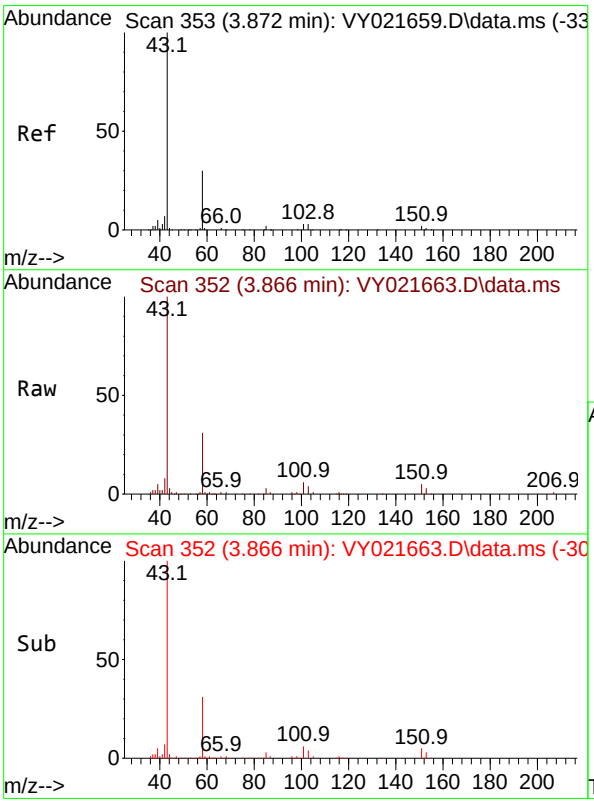
Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.9	97.3
51	37.9	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

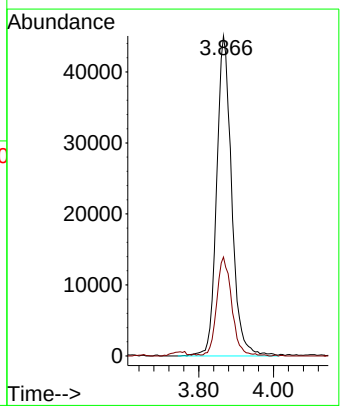


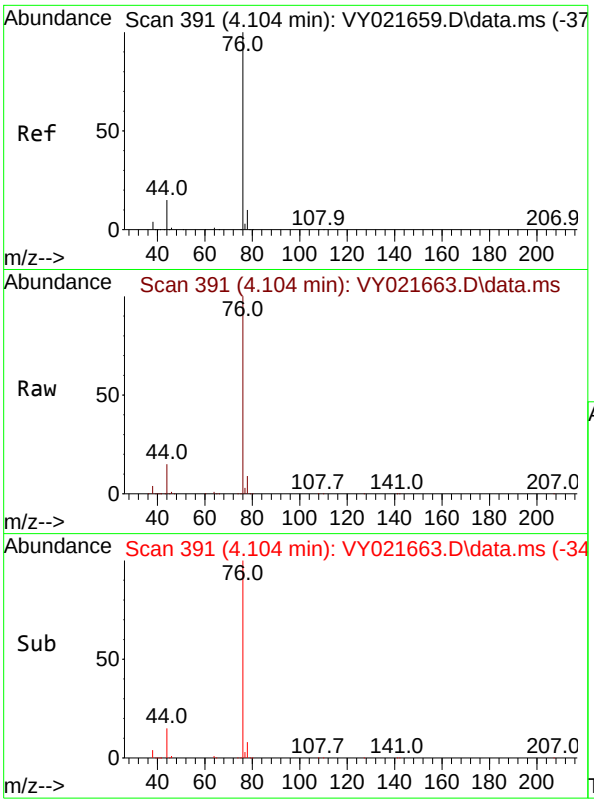


#16
Acetone
Concen: 234.856 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 125654

Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.2	36.4

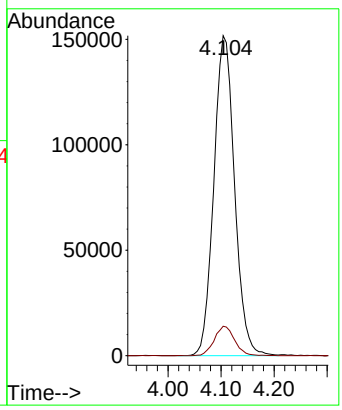




#17
Carbon Disulfide
Concen: 49.428 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 76 Resp: 41202

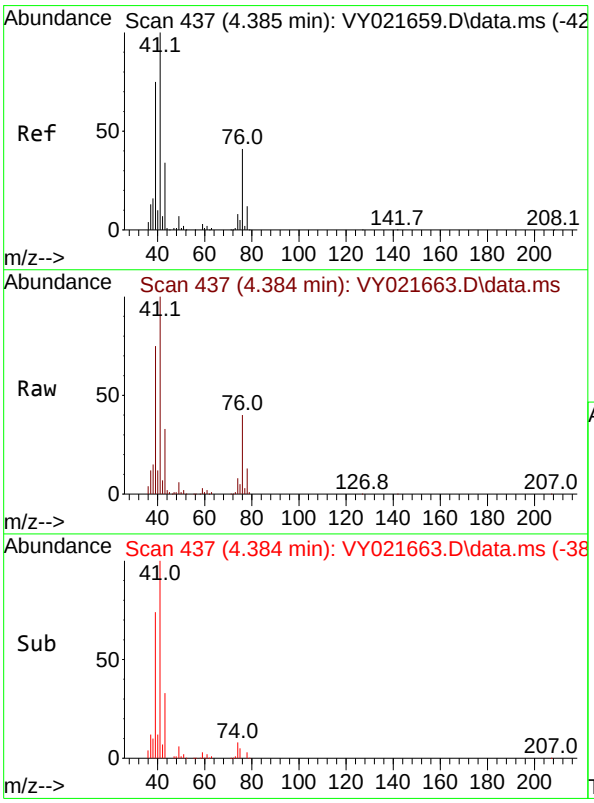
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

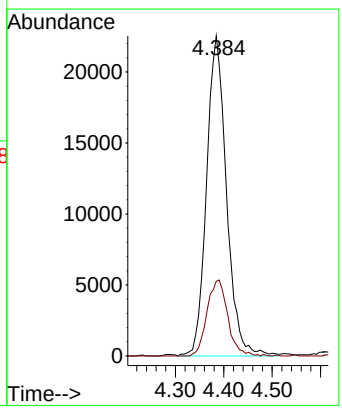
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

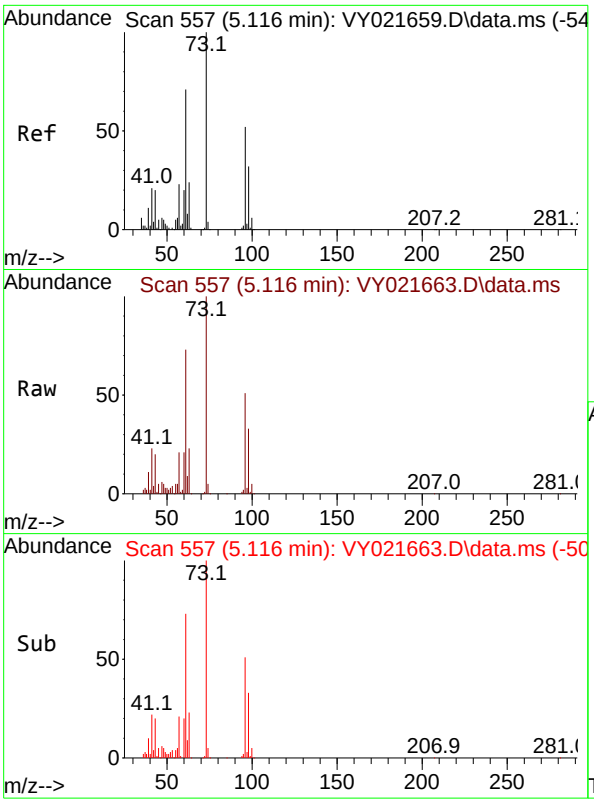


#18
Methyl Acetate
Concen: 48.703 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 64580

Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.1	28.7

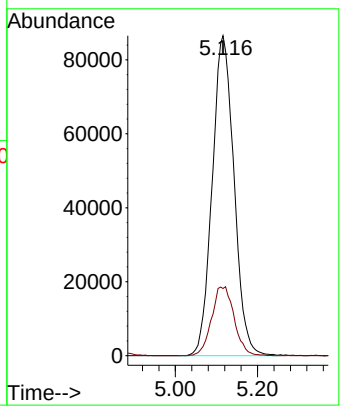




#19
Methyl tert-butyl Ether
Concen: 50.561 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 73 Resp: 31857

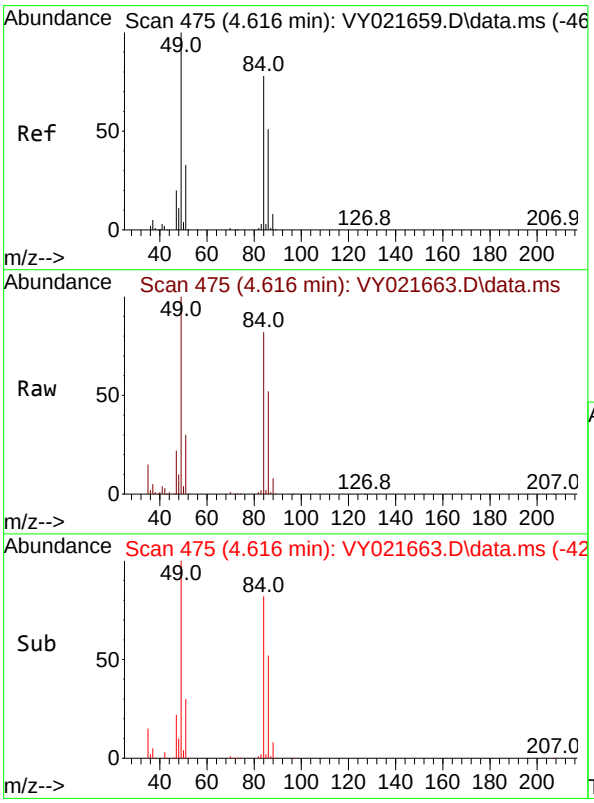
Ion	Ratio	Lower	Upper
73	100		
57	21.0	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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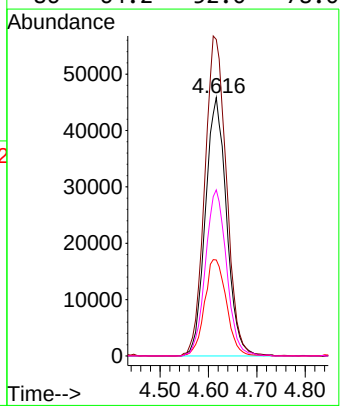
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

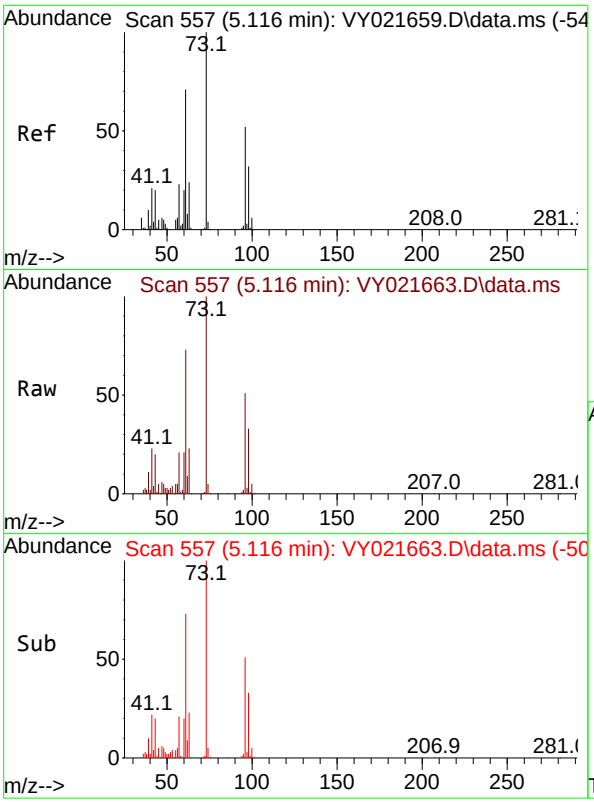


#20
Methylene Chloride
Concen: 53.536 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 84 Resp: 139443

Ion	Ratio	Lower	Upper
84	100		
49	122.3	102.8	154.2
51	37.2	33.5	50.3
86	64.2	52.0	78.0

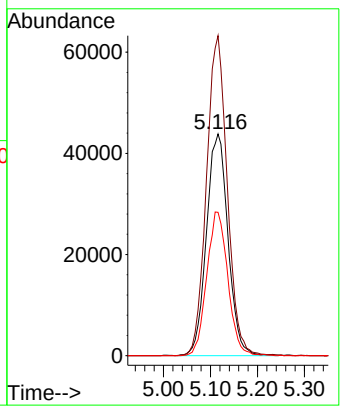




#21
trans-1,2-Dichloroethene
Concen: 50.186 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 96 Resp: 13984

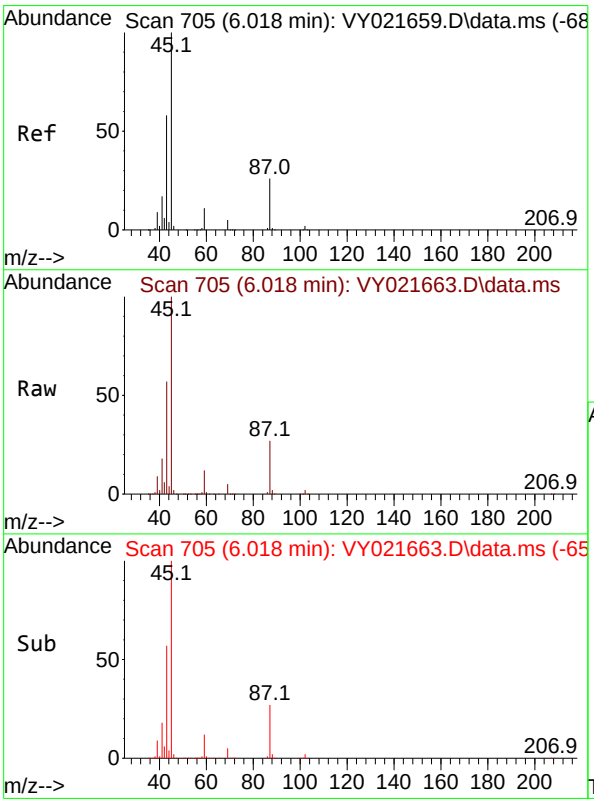
Ion	Ratio	Lower	Upper
96	100		
61	144.2	109.4	164.0
98	64.7	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

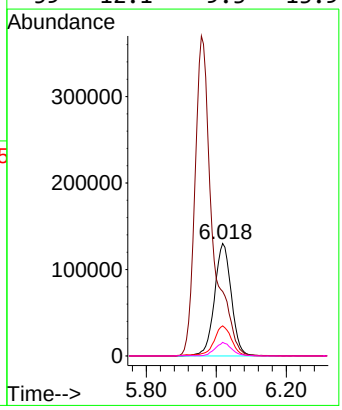
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

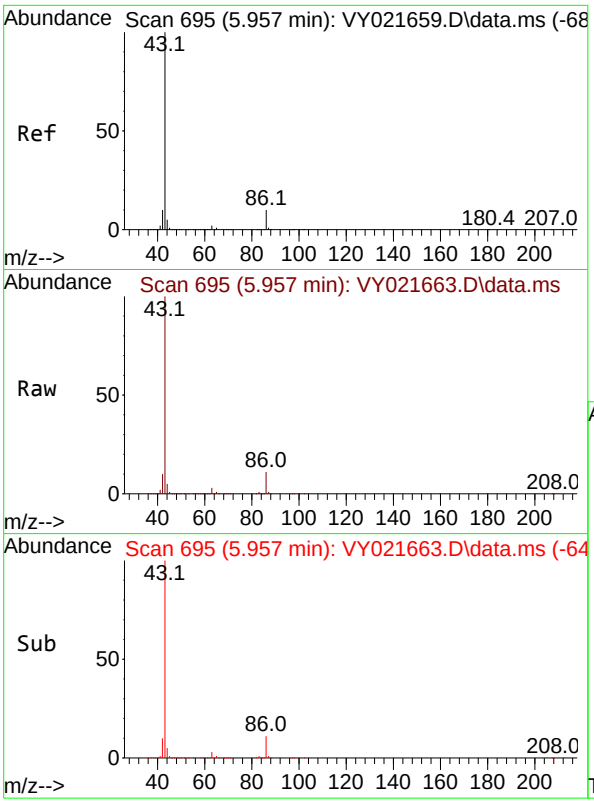


#22
Diisopropyl ether
Concen: 51.273 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 45 Resp: 434011

Ion	Ratio	Lower	Upper
45	100		
43	57.0	46.6	69.8
87	26.7	20.7	31.1
59	12.1	9.3	13.9

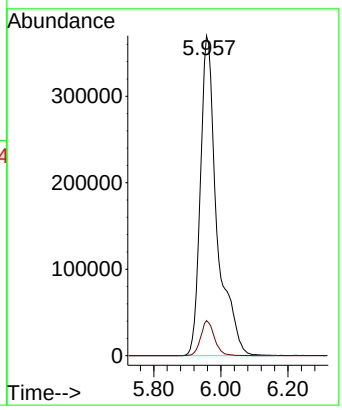




#23
Vinyl Acetate
Concen: 256.638 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 127084

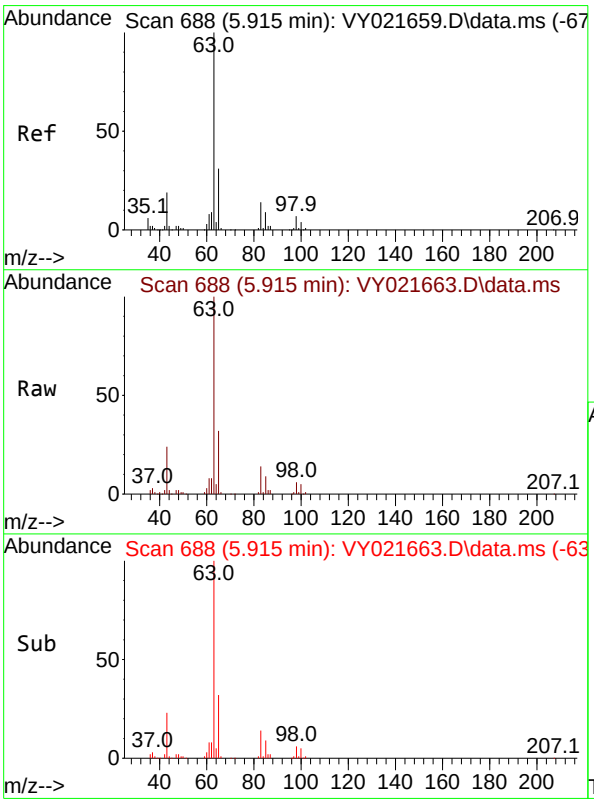
Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

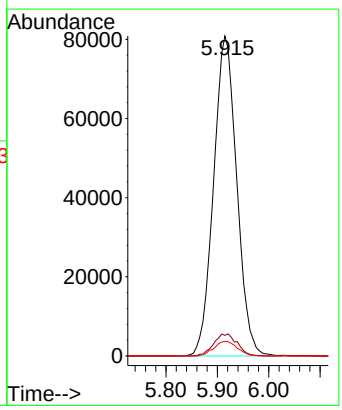
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

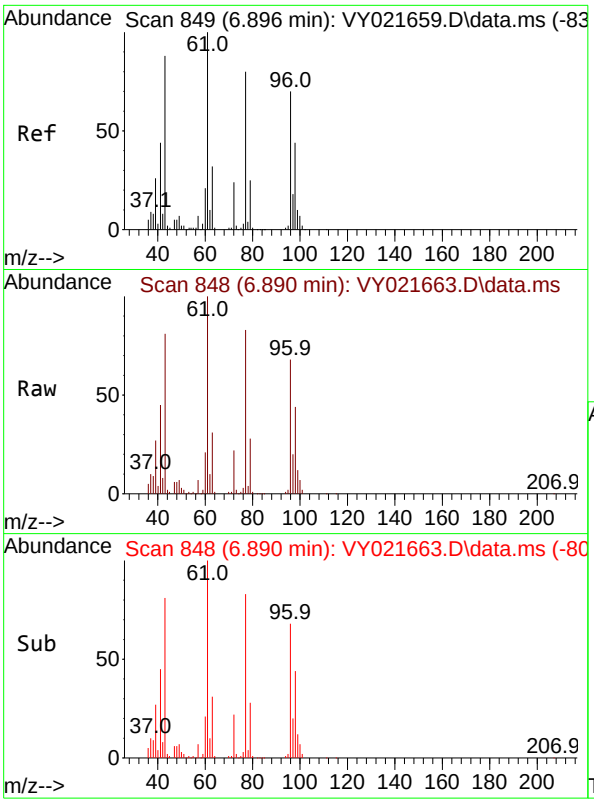


#24
1,1-Dichloroethane
Concen: 50.001 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 63 Resp: 253080

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	4.6	2.2	6.6





#25
2-Butanone
Concen: 240.921 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

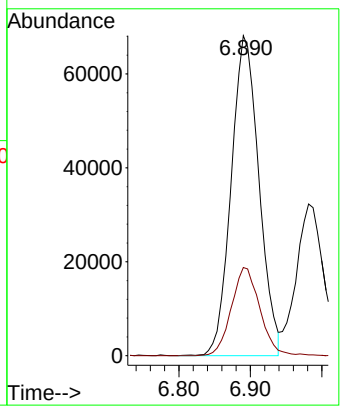
Tgt Ion: 43 Resp: 18410

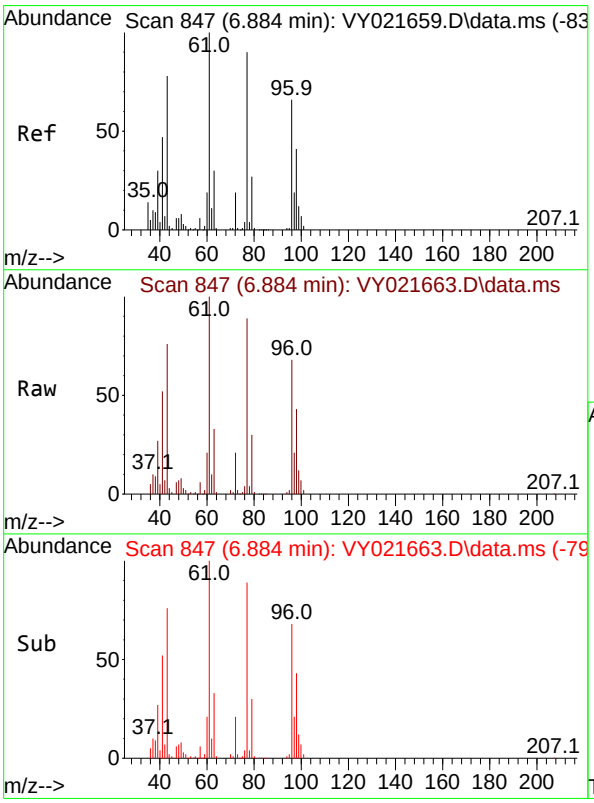
Ion	Ratio	Lower	Upper
43	100		
72	27.6	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

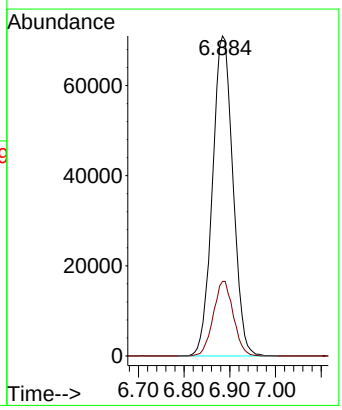


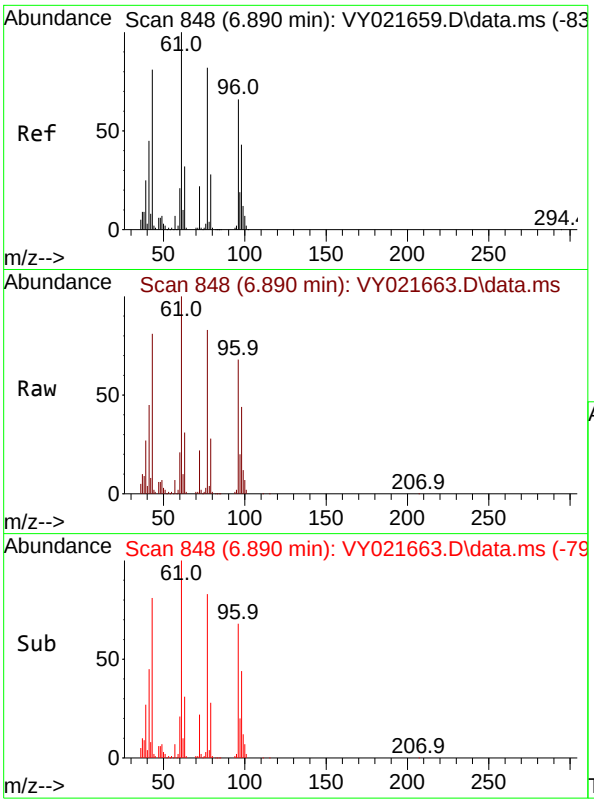


#26
2,2-Dichloropropane
Concen: 49.103 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 77 Resp: 221076

Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.1	33.1

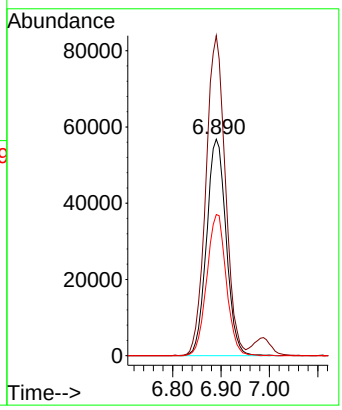




#27
cis-1,2-Dichloroethene
Concen: 50.806 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 96 Resp: 15920

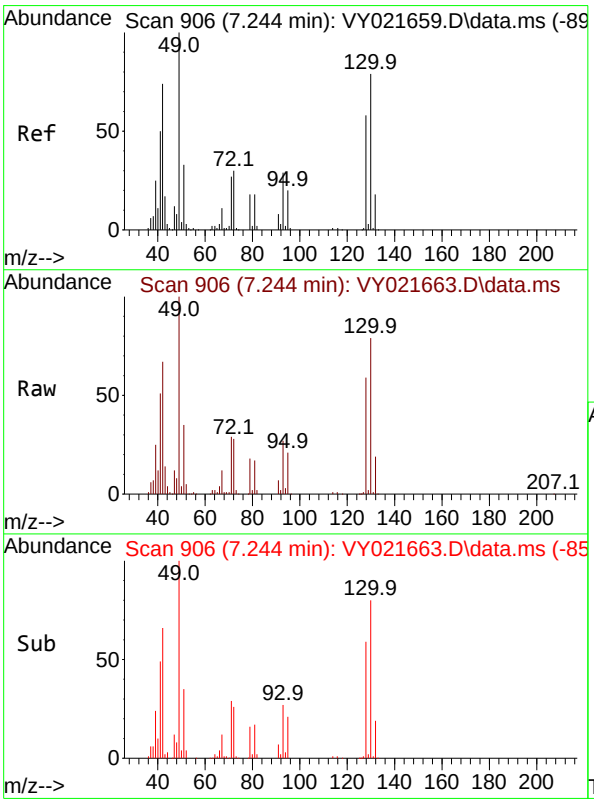
Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	296.4
98	65.0	0.0	128.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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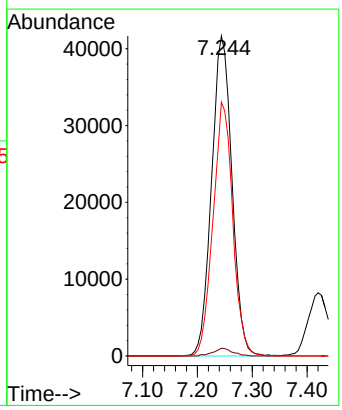
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

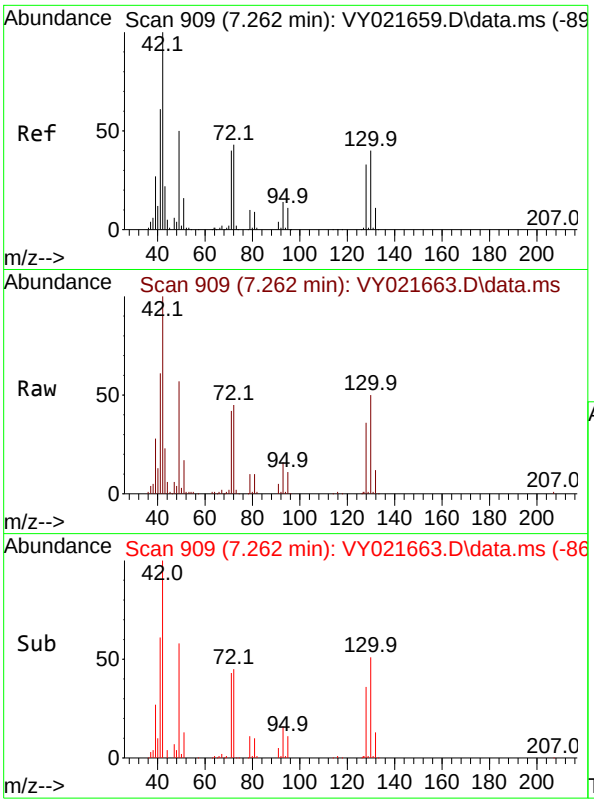


#28
Bromochloromethane
Concen: 50.360 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 49 Resp: 107500

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	76.8	60.1	90.1

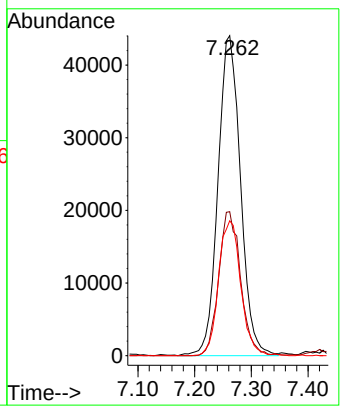




#29
Tetrahydrofuran
Concen: 247.271 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 42 Resp: 12161

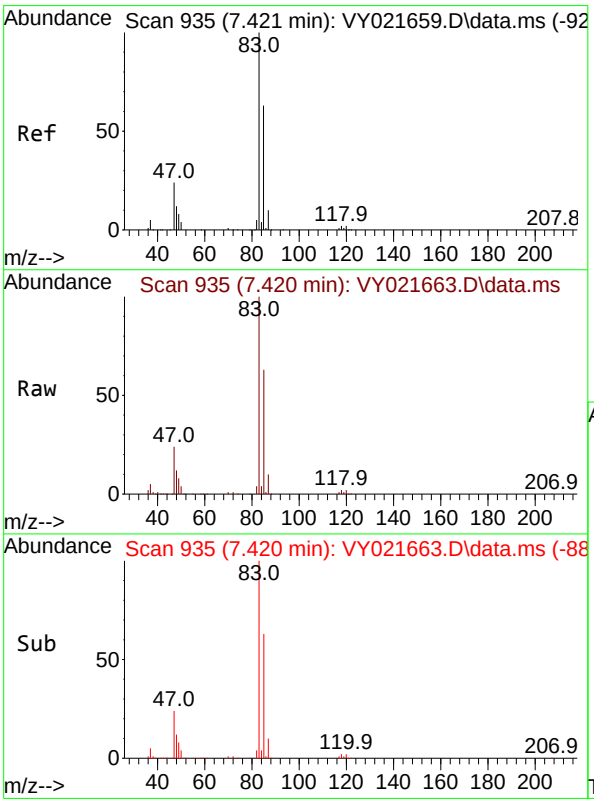
Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.6	52.0
71	41.5	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

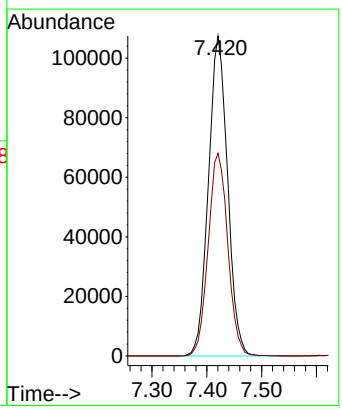
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

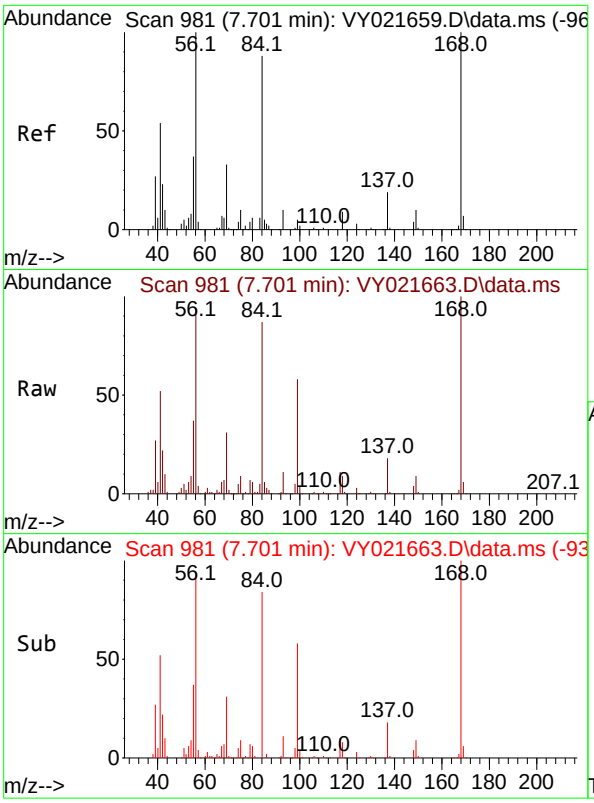


#30
Chloroform
Concen: 49.490 ug/l
RT: 7.420 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 83 Resp: 260540

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	75.8

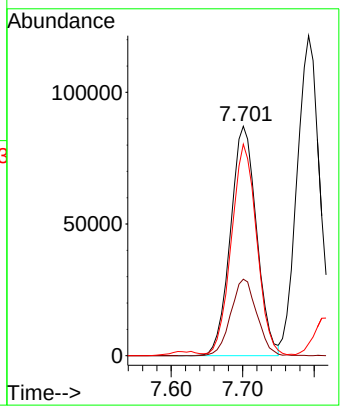




#31
Cyclohexane
Concen: 47.844 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 56 Resp: 22074

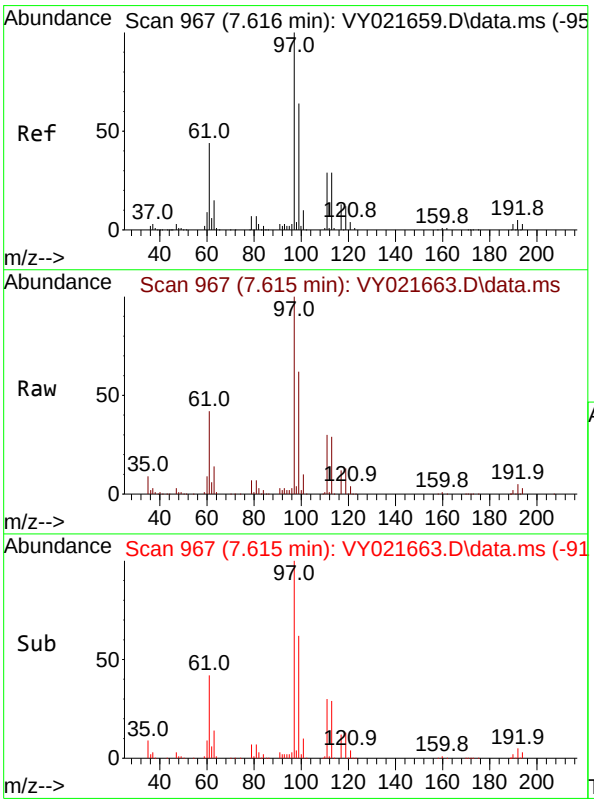
Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	90.4	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

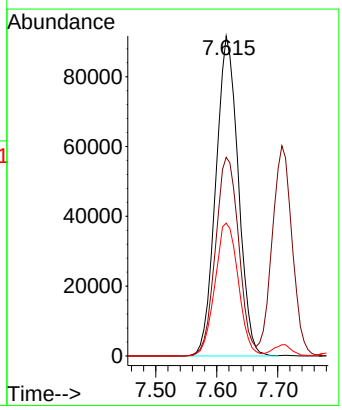
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

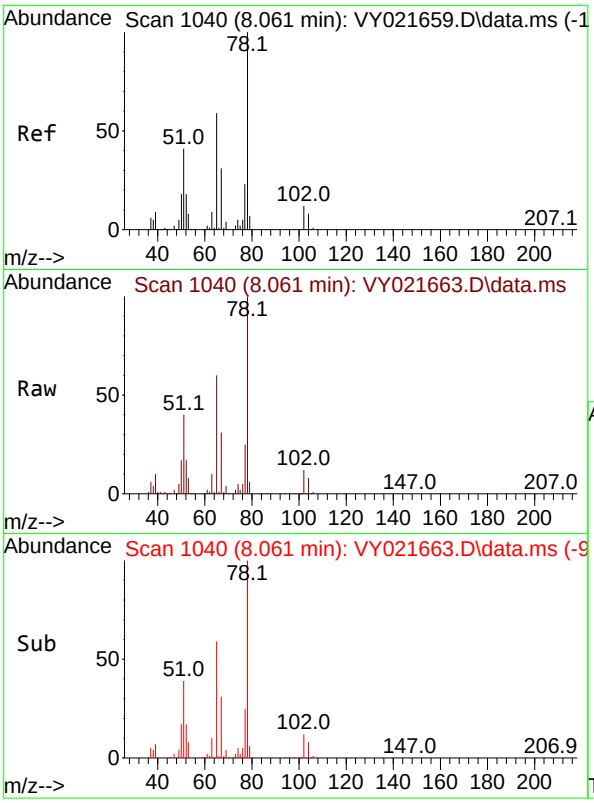


#32
1,1,1-Trichloroethane
Concen: 49.319 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 97 Resp: 234663

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.7	76.1
61	43.4	35.2	52.8

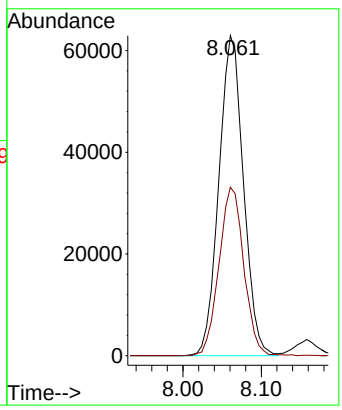




#33
1,2-Dichloroethane-d4
Concen: 52.553 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 65 Resp: 13738

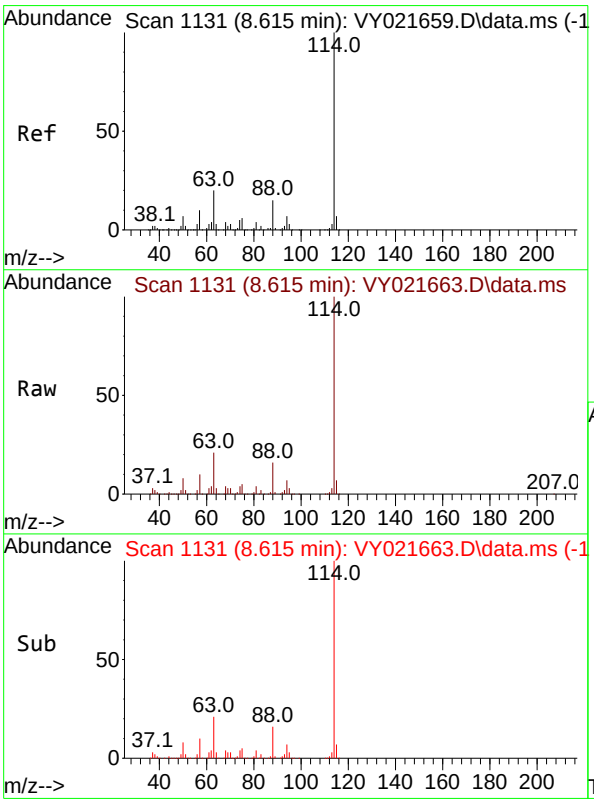
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

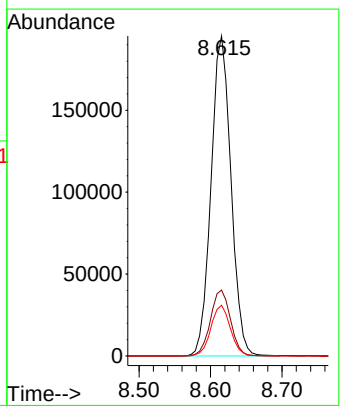
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

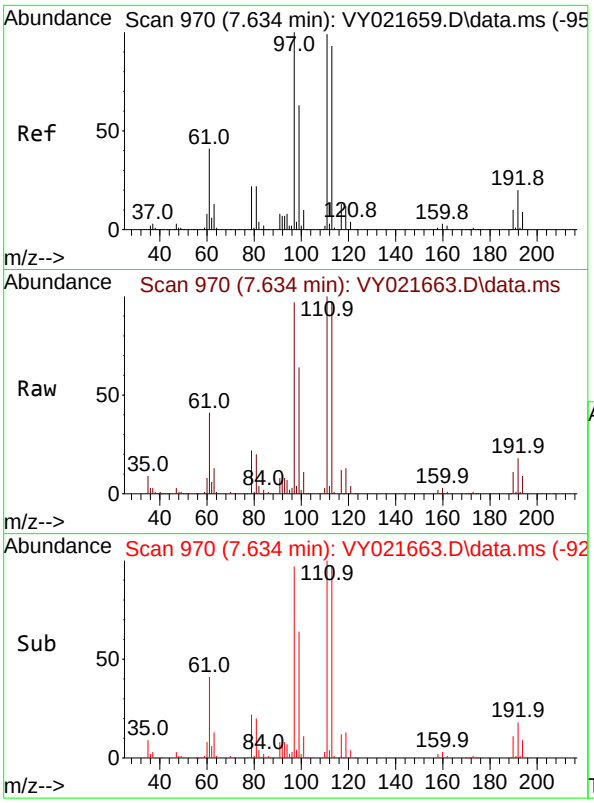


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:114 Resp: 378246

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.2
88	15.9	0.0	29.8

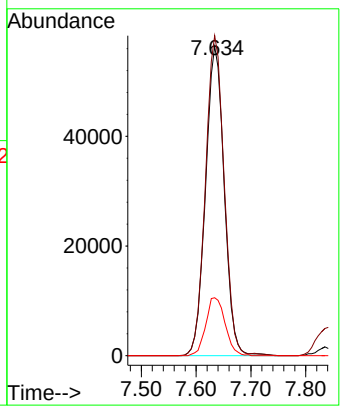




#35
Dibromofluoromethane
Concen: 54.243 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:113 Resp: 13309

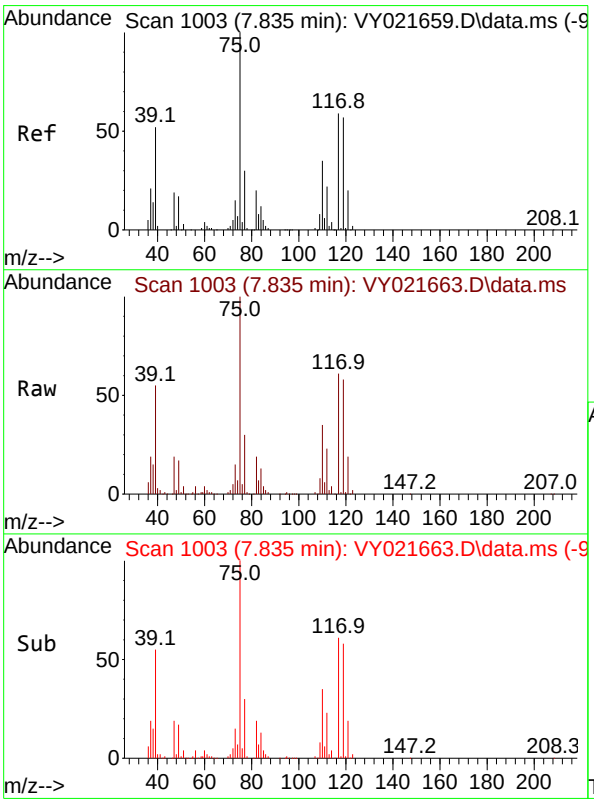
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	123.8
192	19.5	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

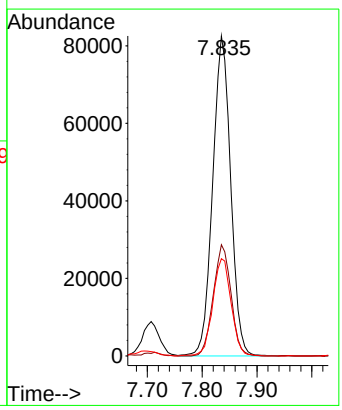
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

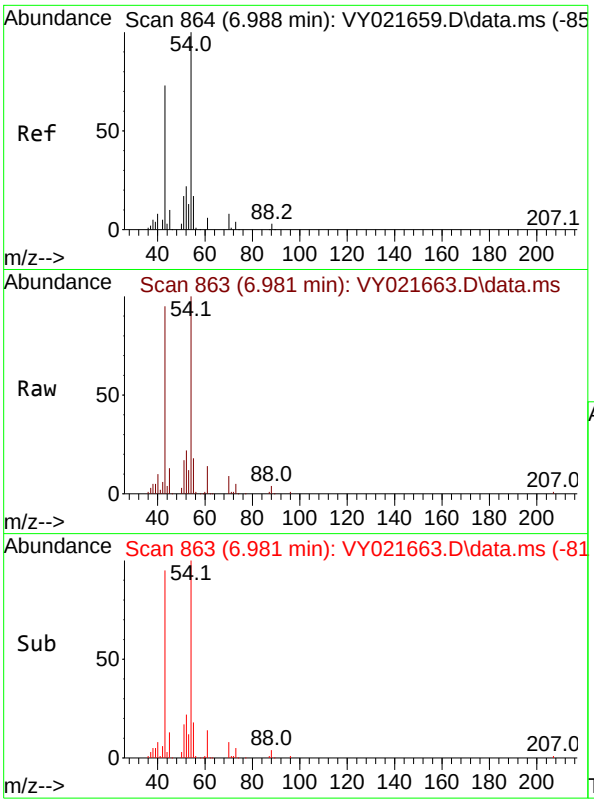


#36
1,1-Dichloropropene
Concen: 50.326 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 188082

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	31.1	24.8	37.2





#37
Ethyl Acetate
Concen: 49.145 ug/l
RT: 6.981 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

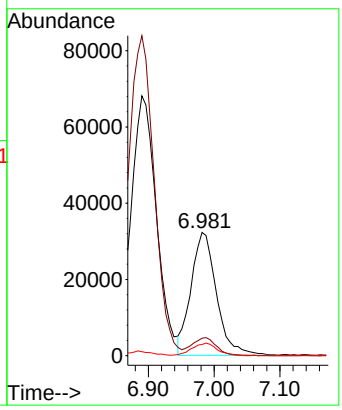
Tgt Ion: 43 Resp: 8668

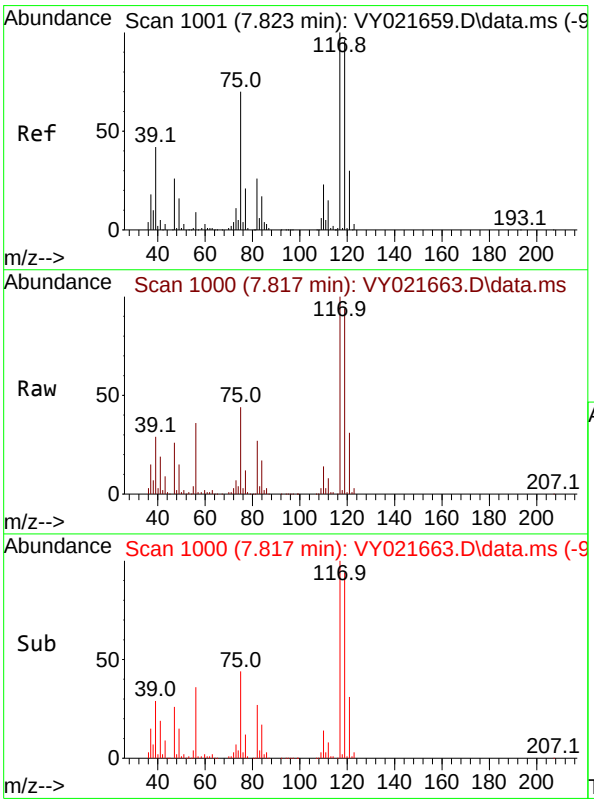
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.6
70	10.1	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

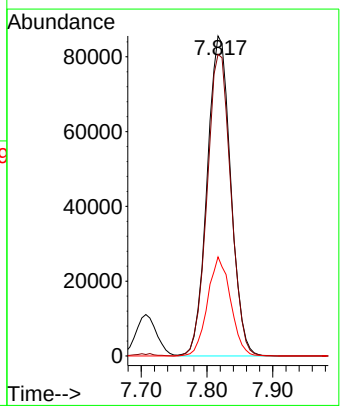


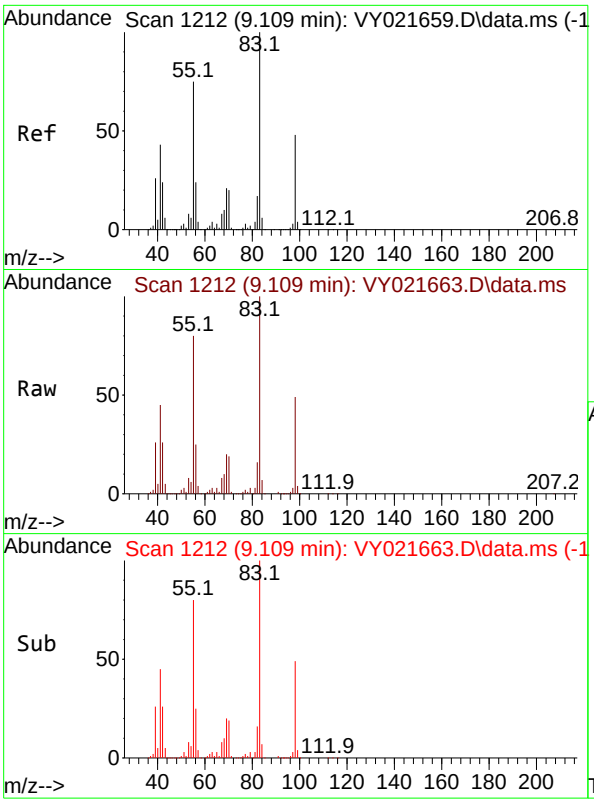


#38
Carbon Tetrachloride
Concen: 49.814 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:117 Resp: 213223

Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.2	114.4
121	30.9	24.2	36.4





#39
Methylcyclohexane
Concen: 51.843 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

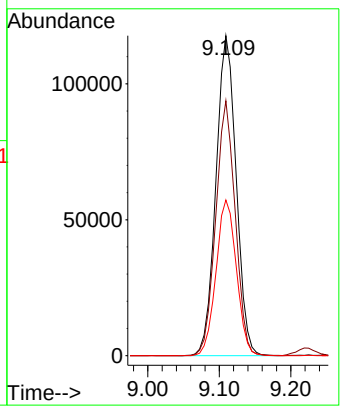
Tgt Ion: 83 Resp: 23145

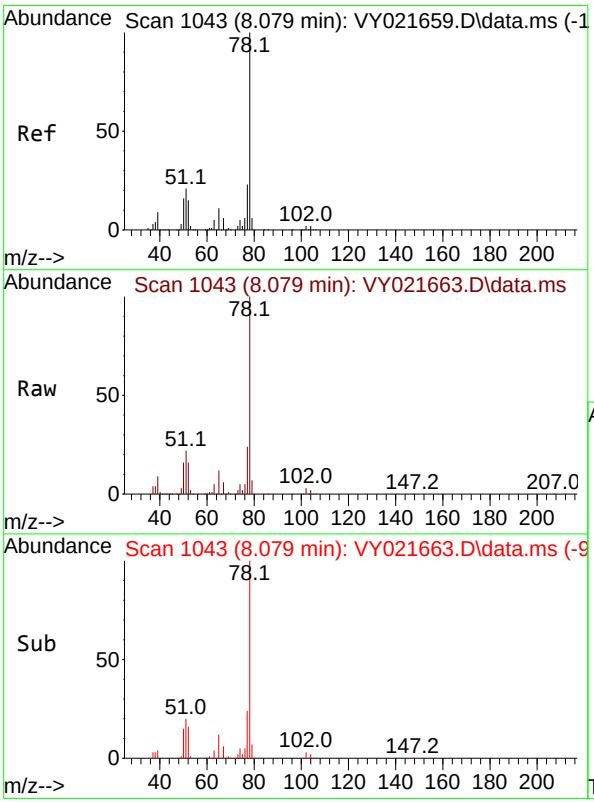
Ion	Ratio	Lower	Upper
83	100		
55	79.6	59.7	89.5
98	48.7	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

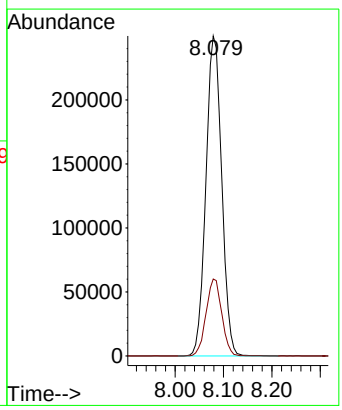


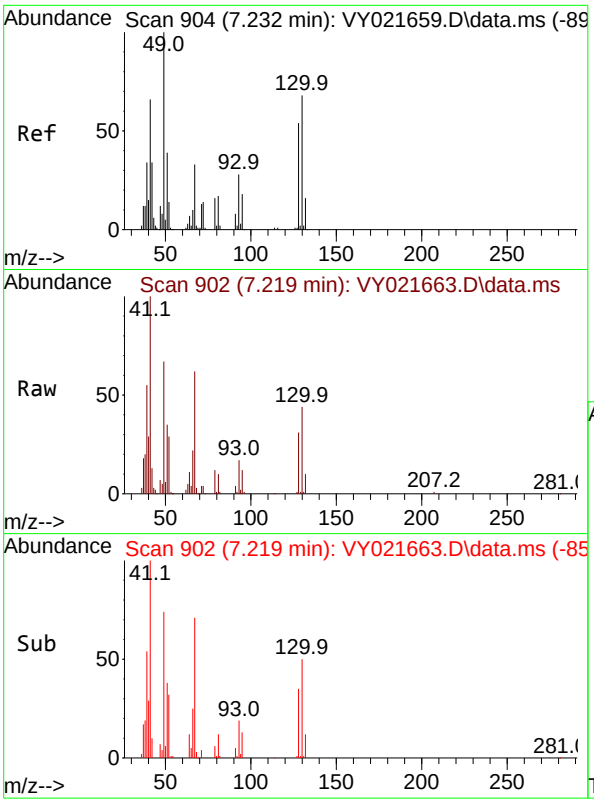


#40
Benzene
Concen: 50.574 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 78 Resp: 566027

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

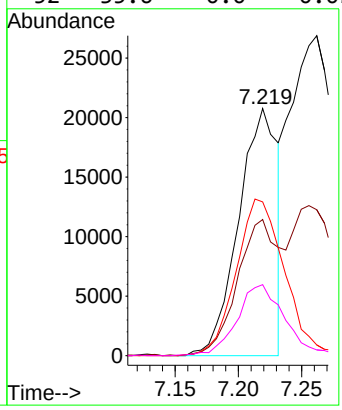




#41
Methacrylonitrile
Concen: 47.475 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 41 Resp: 4446

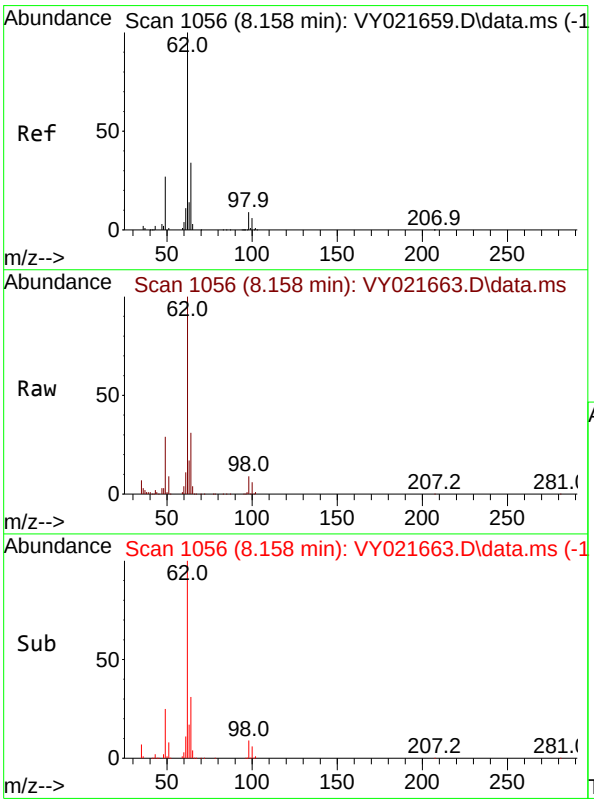
Ion	Ratio	Lower	Upper
41	100		
39	62.6	0.0	0.0#
67	79.2	0.0	0.0#
52	35.6	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

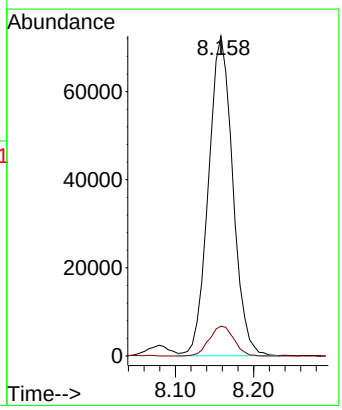
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

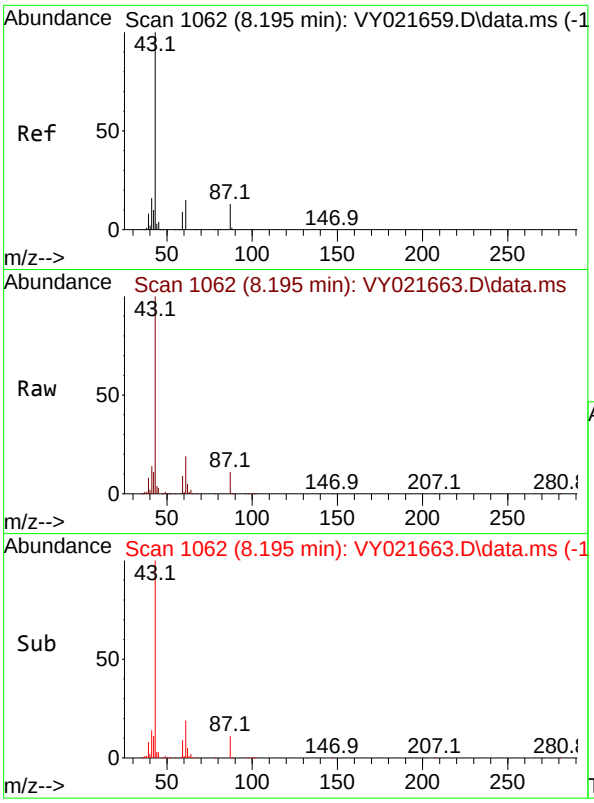


#42
1,2-Dichloroethane
Concen: 49.556 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 62 Resp: 156359

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4

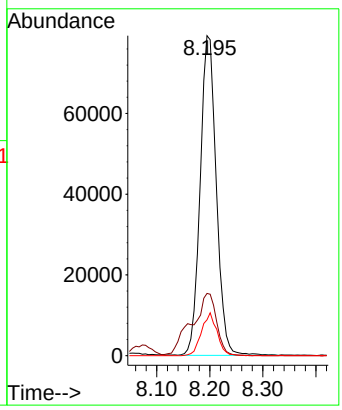




#43
Isopropyl Acetate
Concen: 50.106 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 16747

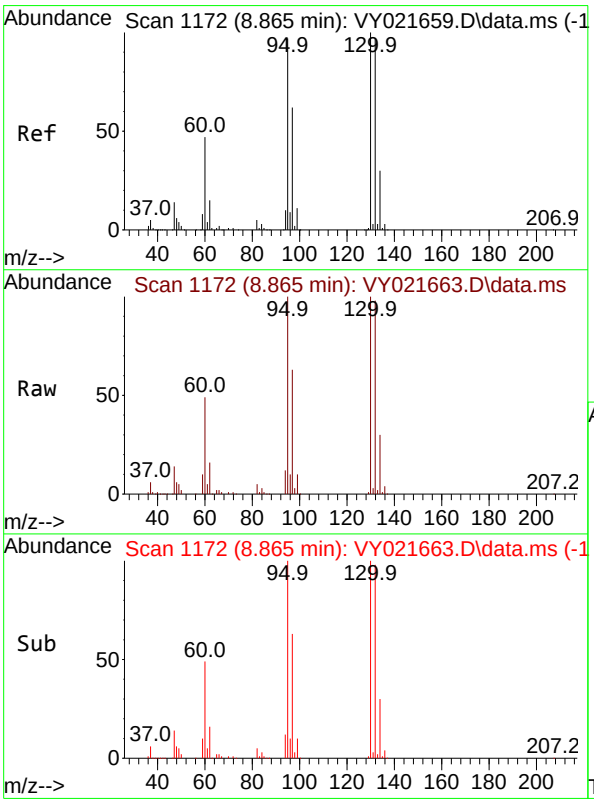
Ion	Ratio	Lower	Upper
43	100		
61	30.0	15.9	23.9#
87	13.0	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

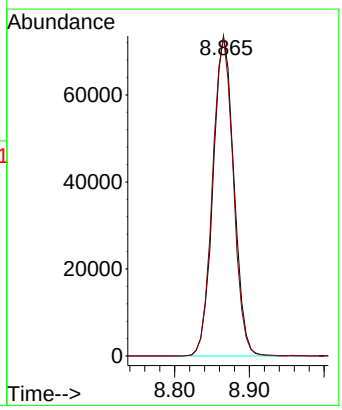
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

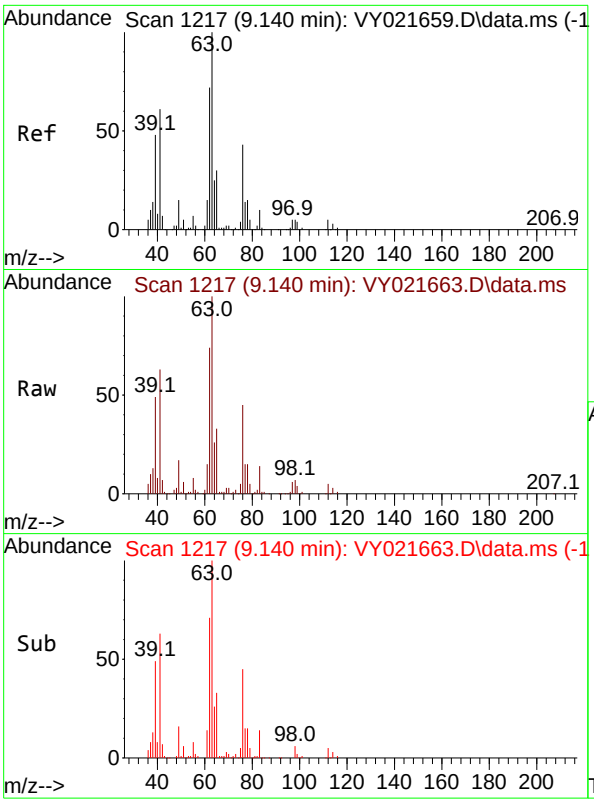


#44
Trichloroethene
Concen: 49.933 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:130 Resp: 142392

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	194.8

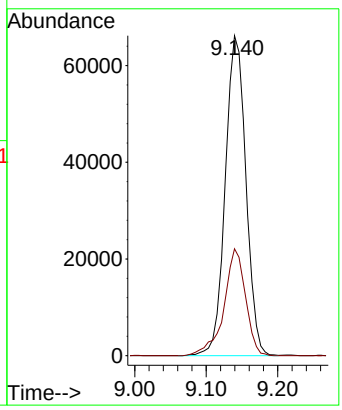




#45
1,2-Dichloropropane
Concen: 50.158 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 63 Resp: 13288

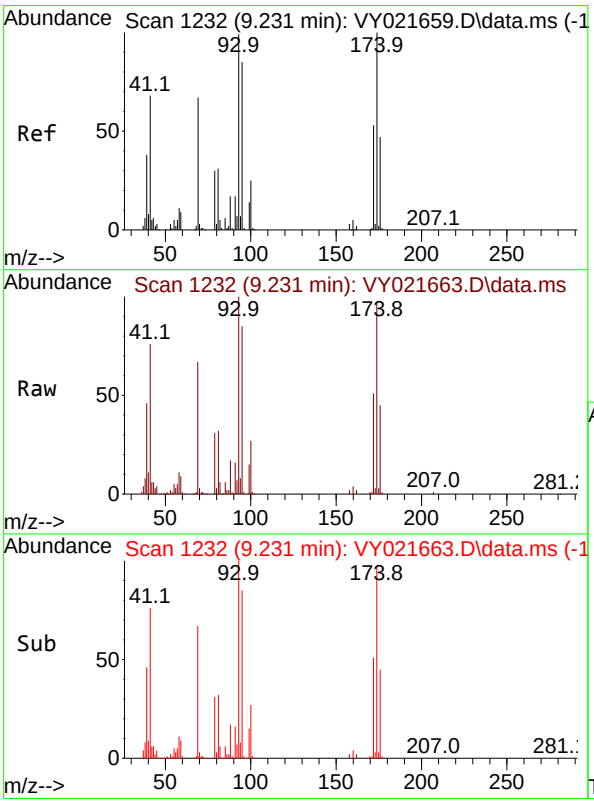
Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

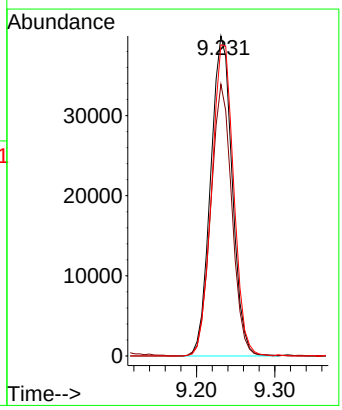
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

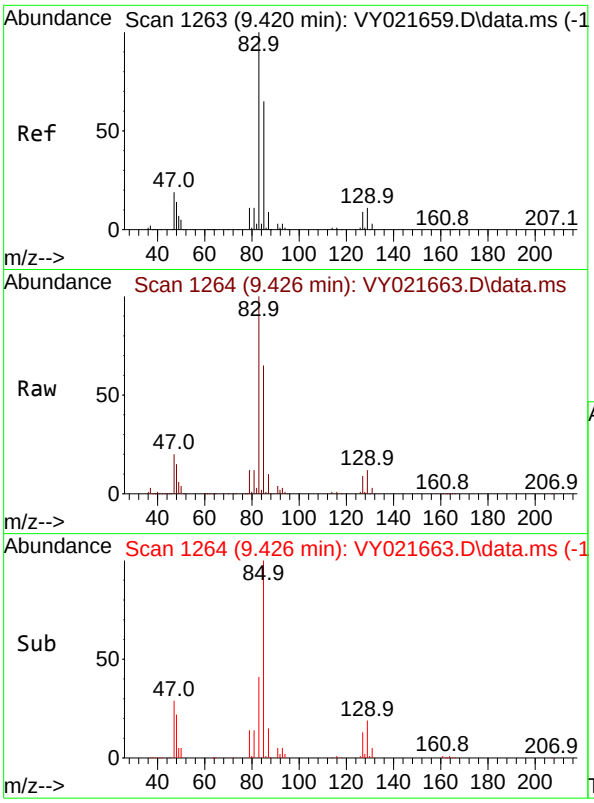


#46
Dibromomethane
Concen: 50.052 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 93 Resp: 76421

Ion	Ratio	Lower	Upper
93	100		
95	83.0	68.1	102.1
174	99.0	80.9	121.3

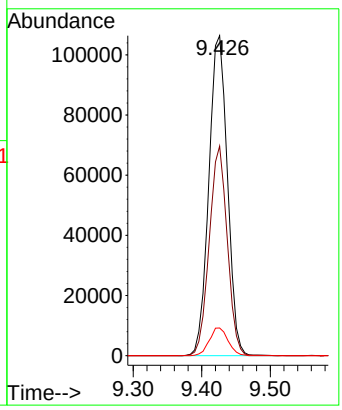




#47
Bromodichloromethane
Concen: 50.530 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 83 Resp: 19991

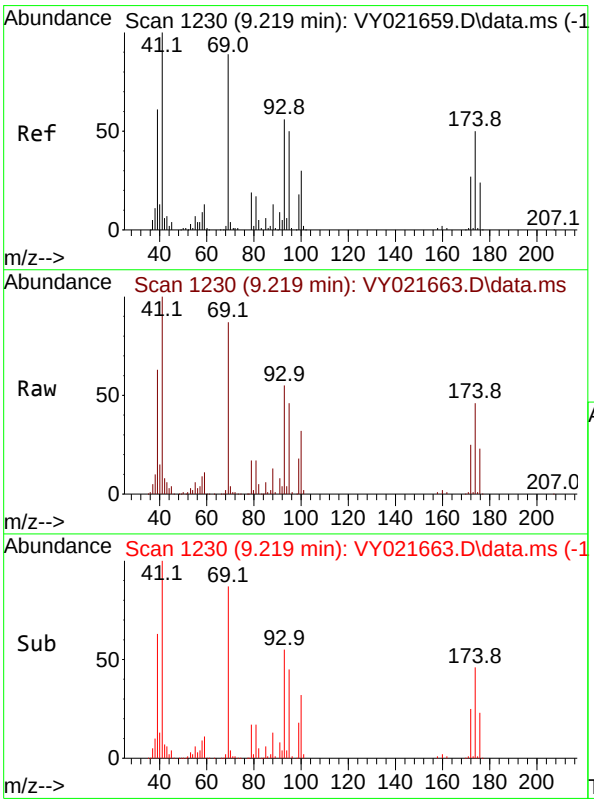
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6
127	8.7	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

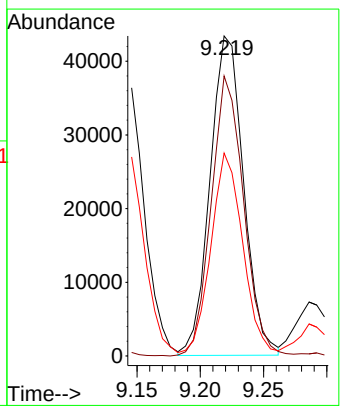
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

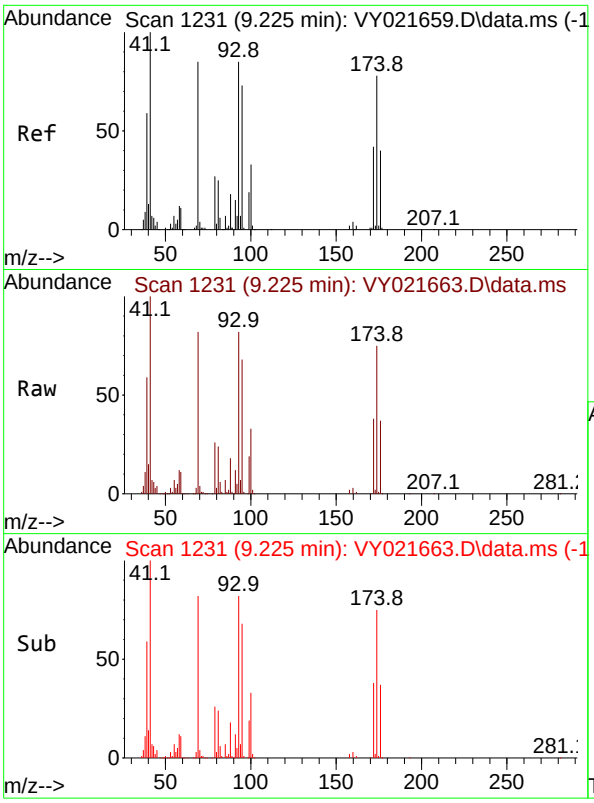


#48
Methyl methacrylate
Concen: 52.076 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 41 Resp: 79887

Ion	Ratio	Lower	Upper
41	100		
69	84.8	69.8	104.8
39	58.6	47.2	70.8

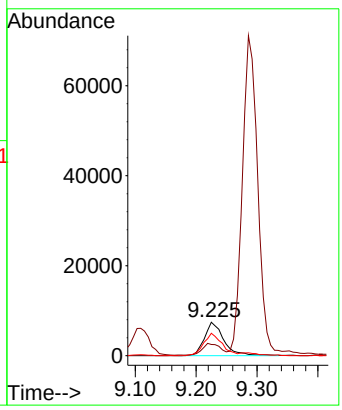




#49
1,4-Dioxane
Concen: 1006.593 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 88 Resp: 1646

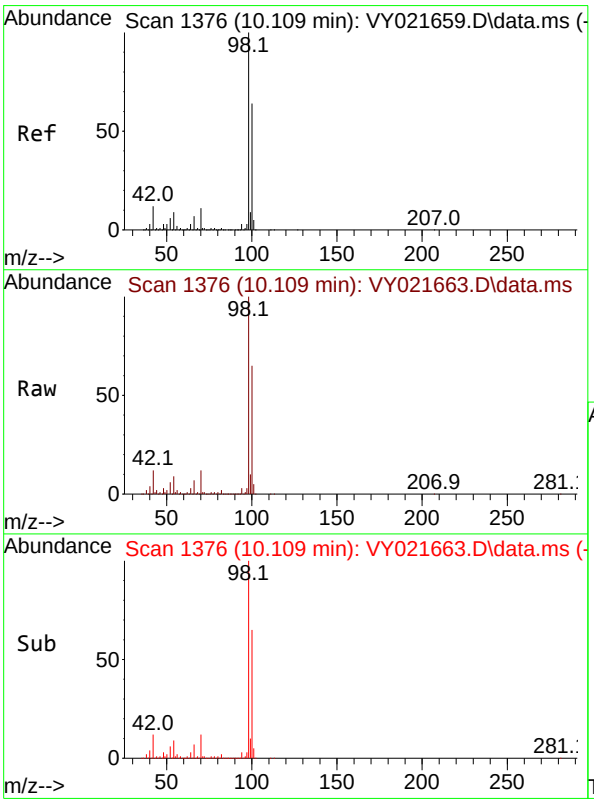
Ion	Ratio	Lower	Upper
88	100		
43	32.8	28.8	43.2
58	63.4	59.4	89.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

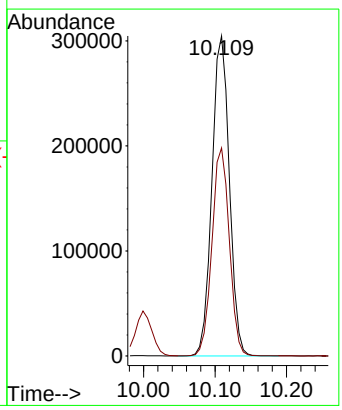
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

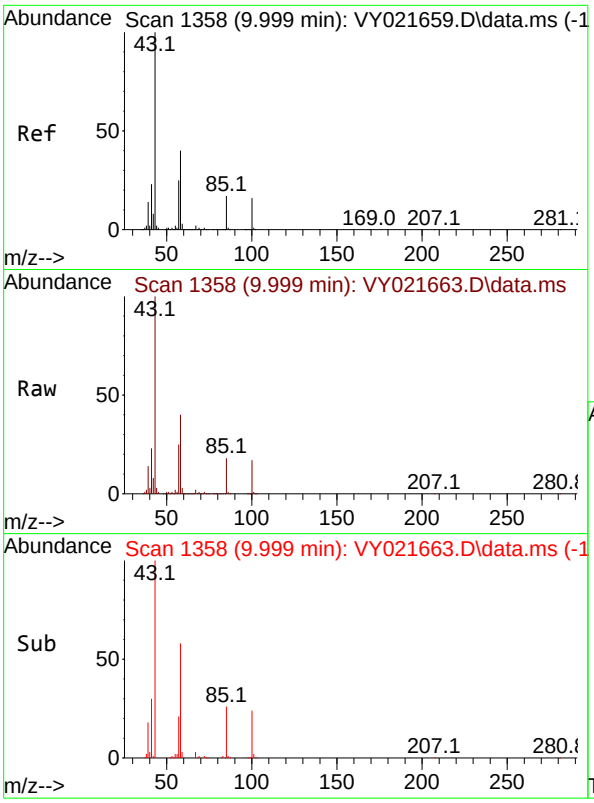


#50
Toluene-d8
Concen: 55.117 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 98 Resp: 514482

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

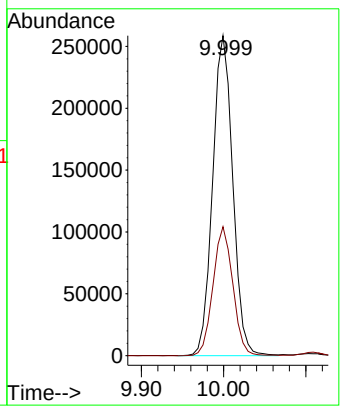




#51
4-Methyl-2-Pentanone
Concen: 252.890 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 43987

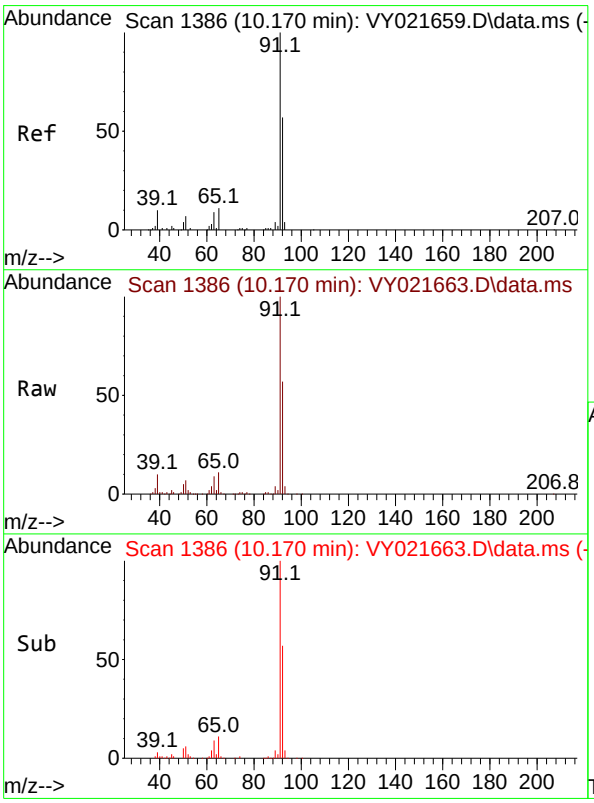
Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

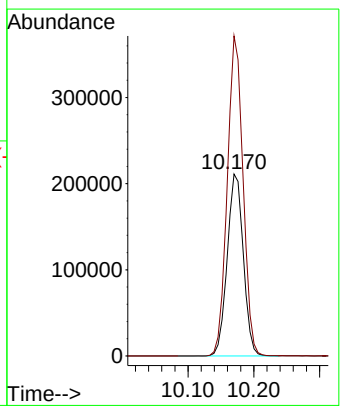
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

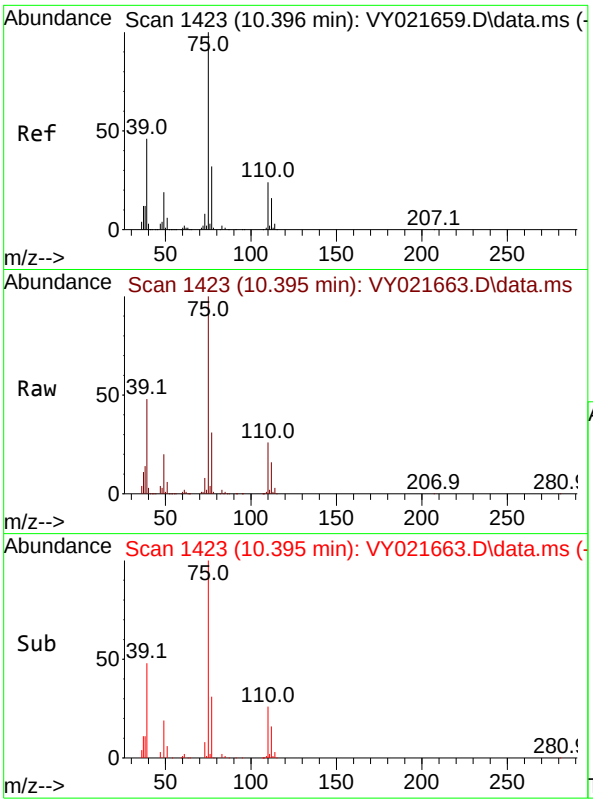


#52
Toluene
Concen: 51.555 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 92 Resp: 360002

Ion	Ratio	Lower	Upper
92	100		
91	172.2	138.6	207.8

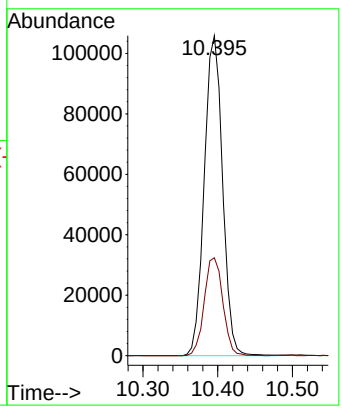




#53
t-1,3-Dichloropropene
Concen: 51.152 ug/l
RT: 10.395 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 17975

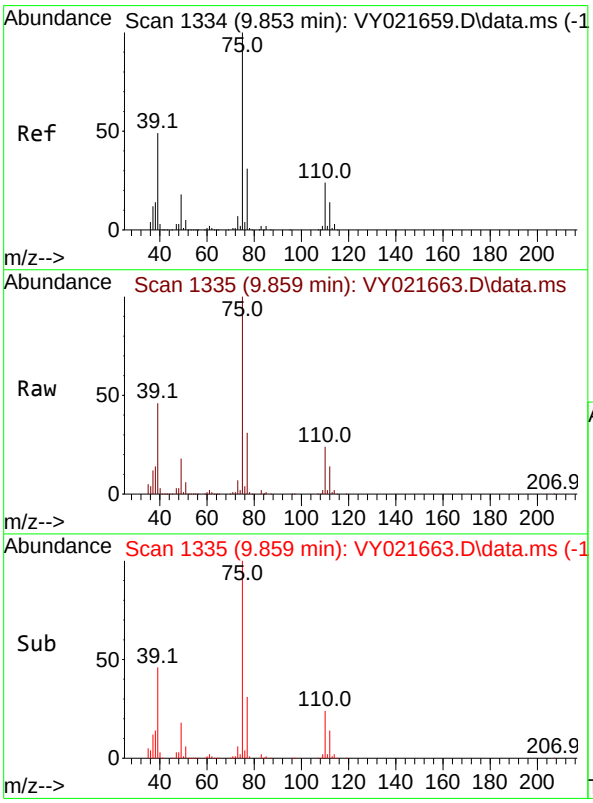
Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

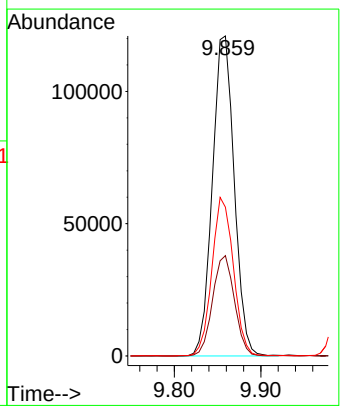
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

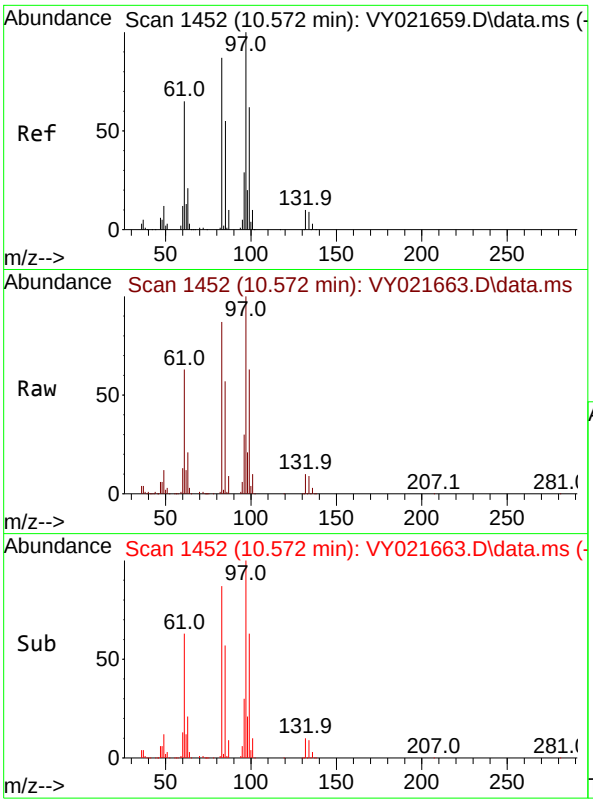


#54
cis-1,3-Dichloropropene
Concen: 51.154 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 212066

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.9	37.3
39	46.4	39.2	58.8

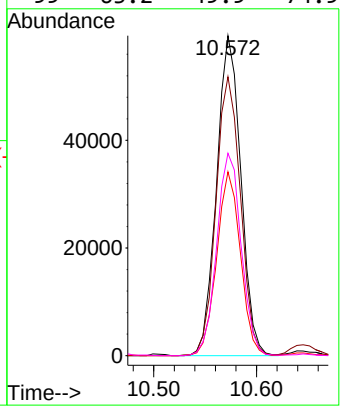




#55
1,1,2-Trichloroethane
Concen: 49.656 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 97 Resp: 9756

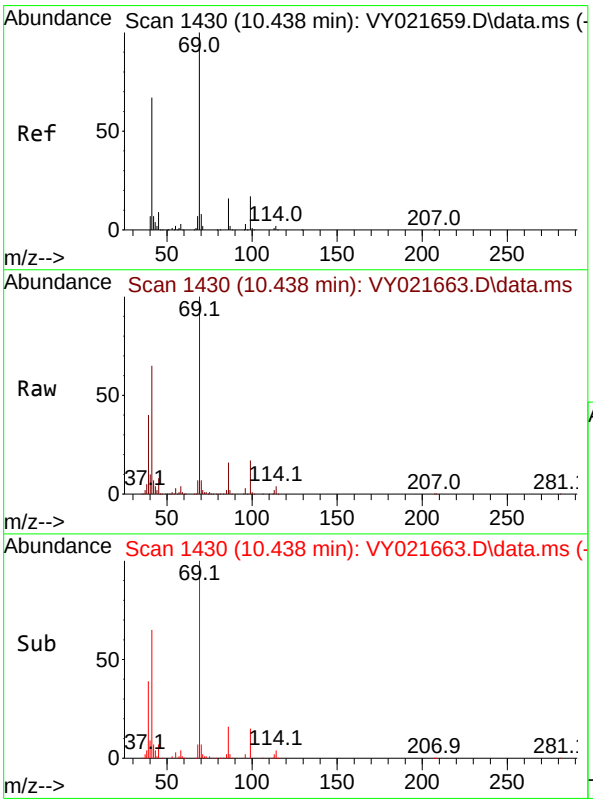
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.5	104.3
85	57.4	43.9	65.9
99	63.2	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

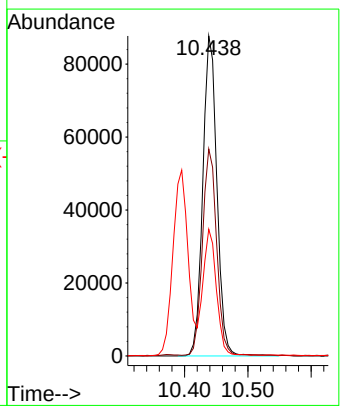
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

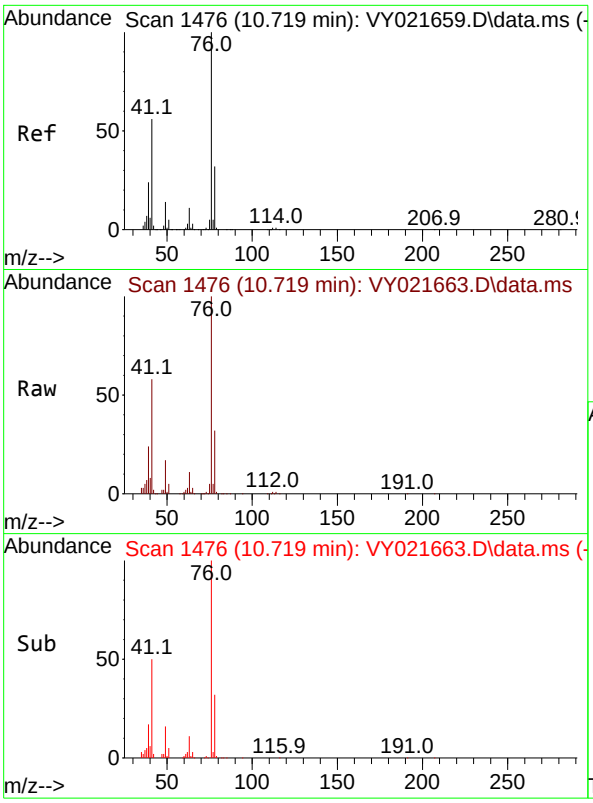


#56
Ethyl methacrylate
Concen: 54.371 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 69 Resp: 136411

Ion	Ratio	Lower	Upper
69	100		
41	64.4	53.8	80.6
39	37.0	29.6	44.4

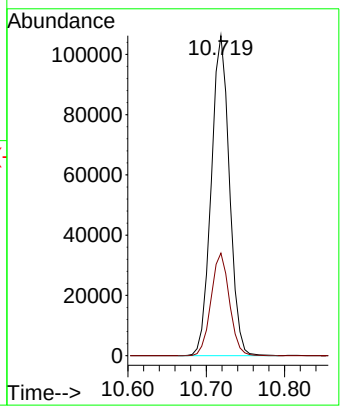




#57
1,3-Dichloropropane
Concen: 50.563 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 76 Resp: 17157

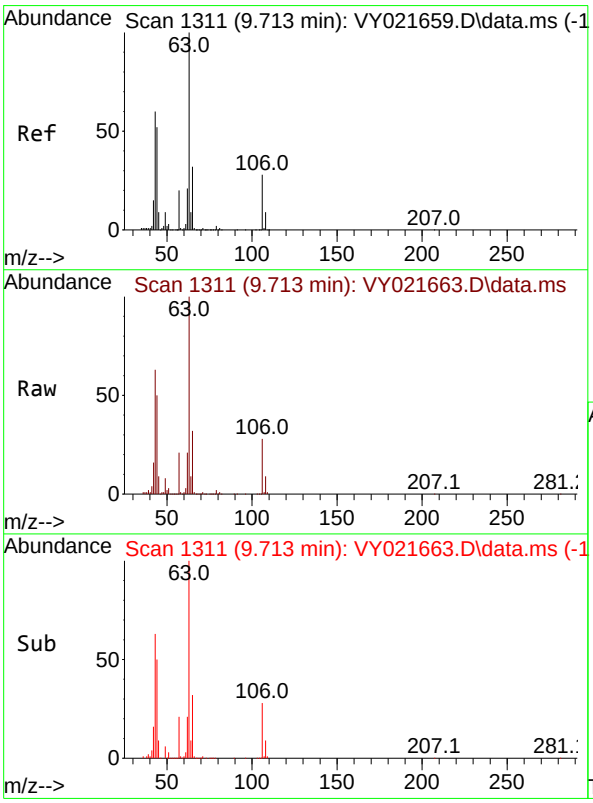
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

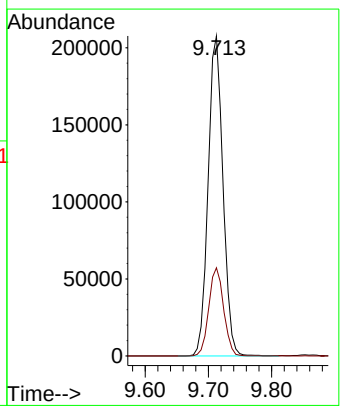
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

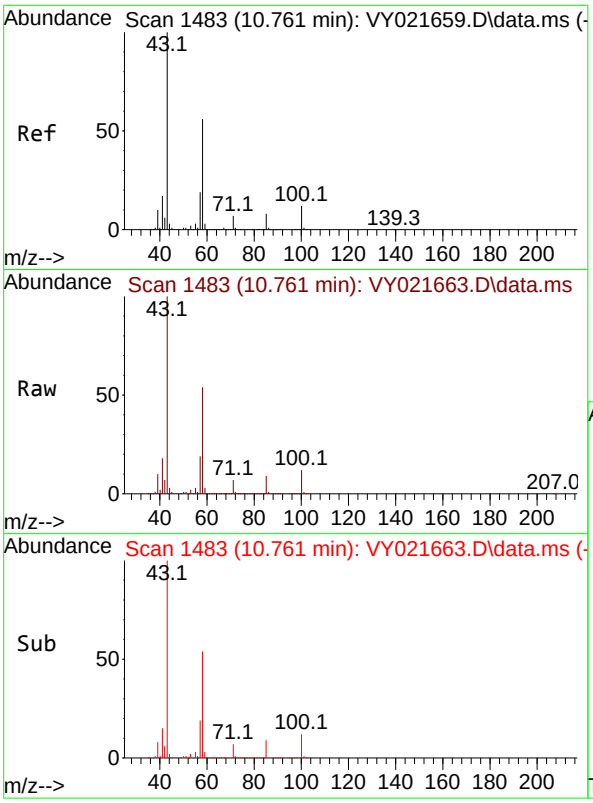


#58
2-Chloroethyl Vinyl ether
Concen: 276.714 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 63 Resp: 338673

Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.4	33.6

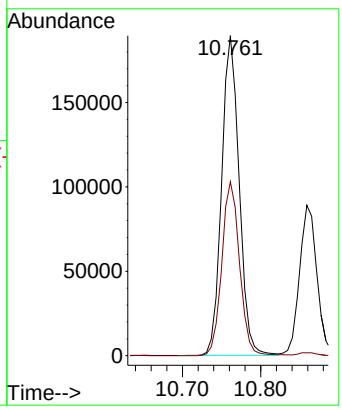




#59
2-Hexanone
Concen: 255.065 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 29547

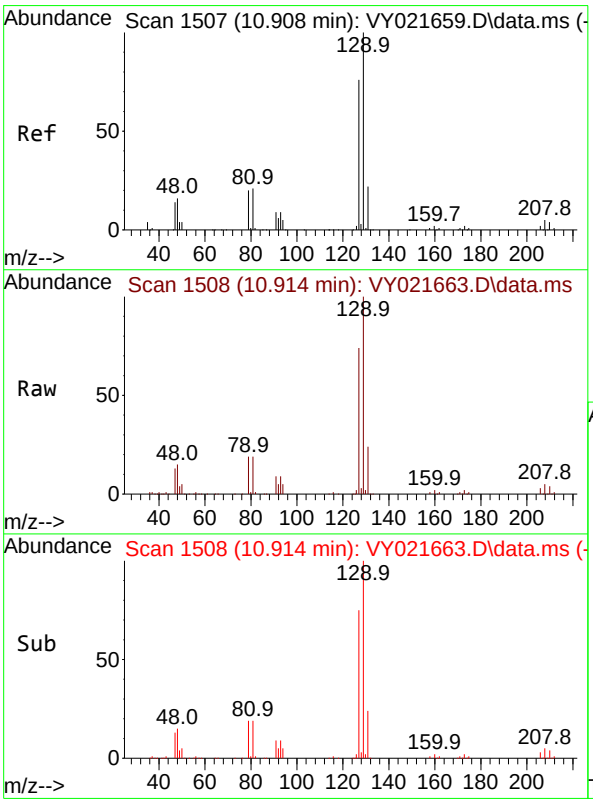
Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

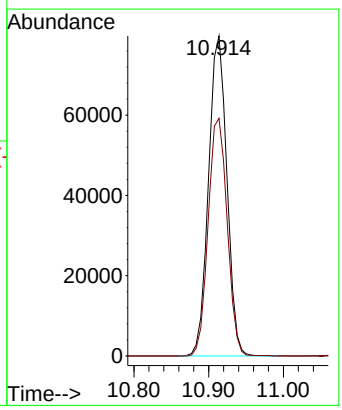
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

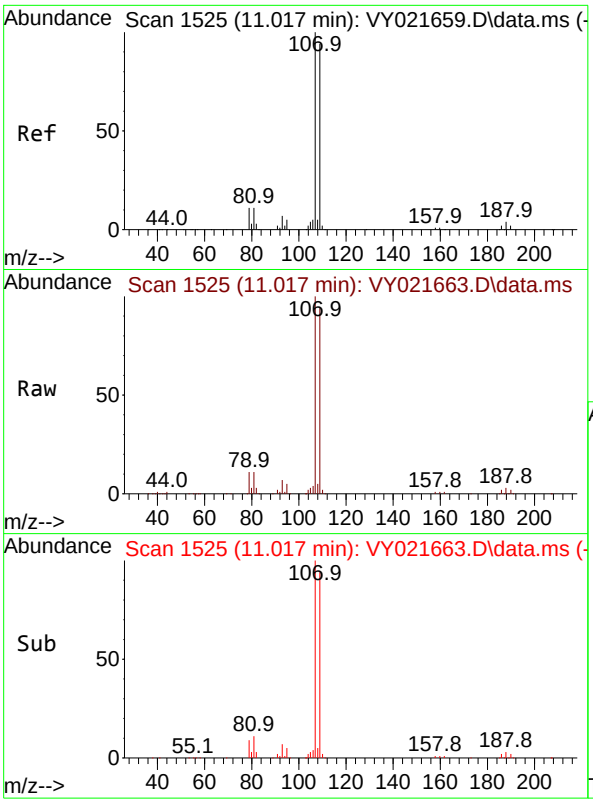


#60
Dibromochloromethane
Concen: 50.679 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:129 Resp: 135955

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.7

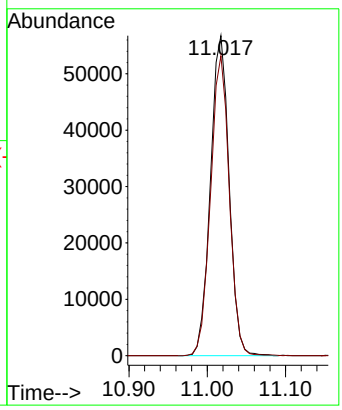




#61
1,2-Dibromoethane
Concen: 50.970 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:107 Resp: 9394

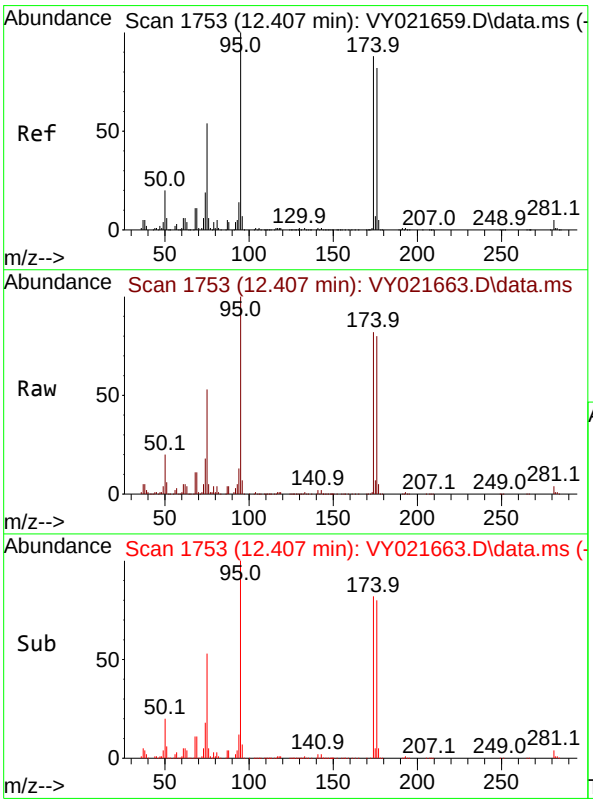
Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

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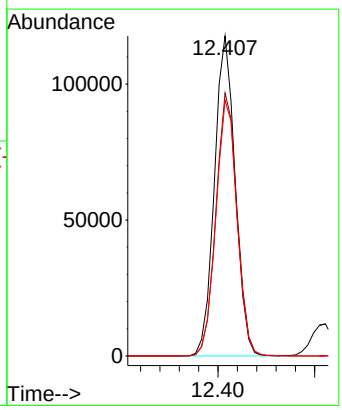
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

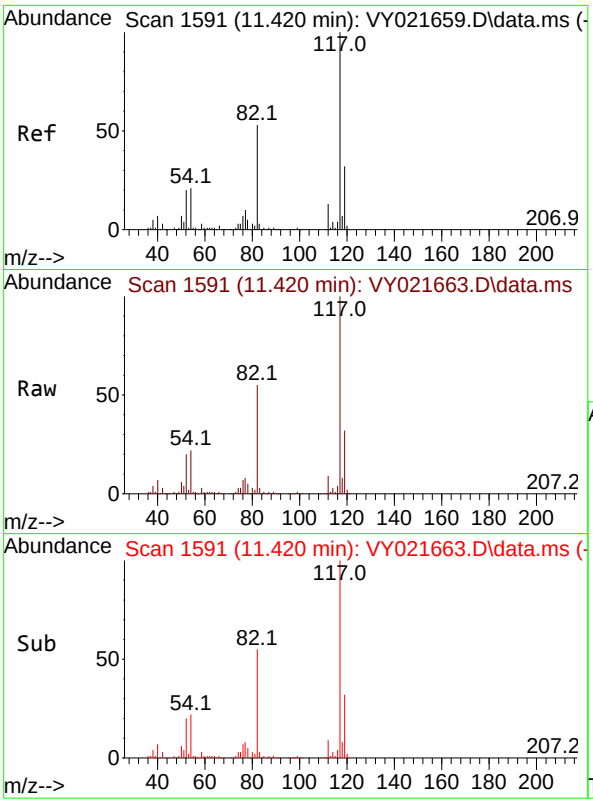


#62
4-Bromofluorobenzene
Concen: 55.339 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 95 Resp: 174721

Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.8
176	81.4	0.0	162.0

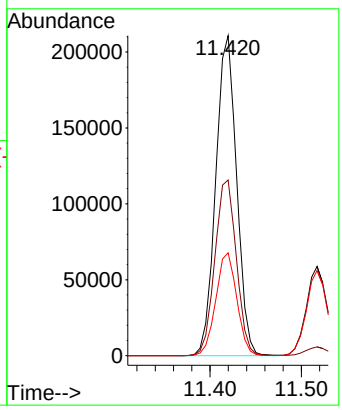




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:117 Resp: 33506

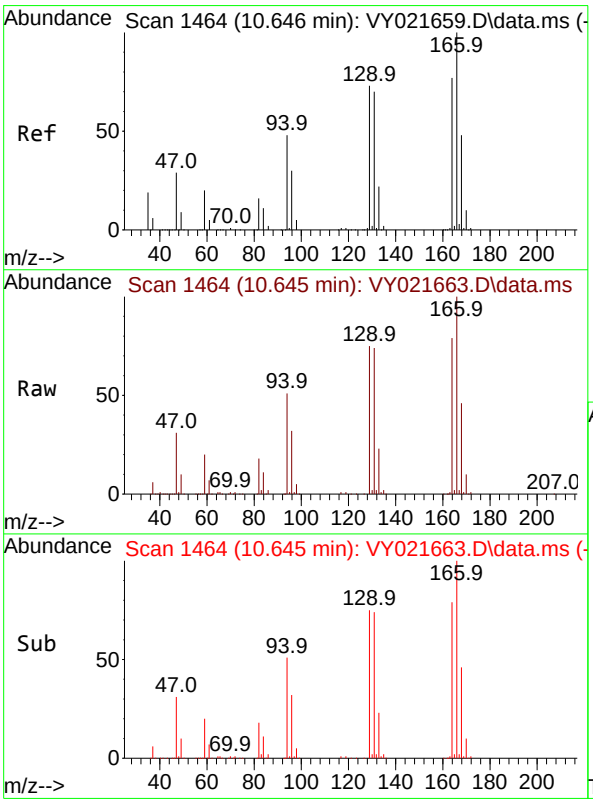
Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.8	64.2
119	32.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

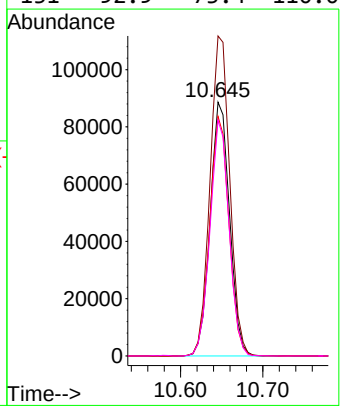
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

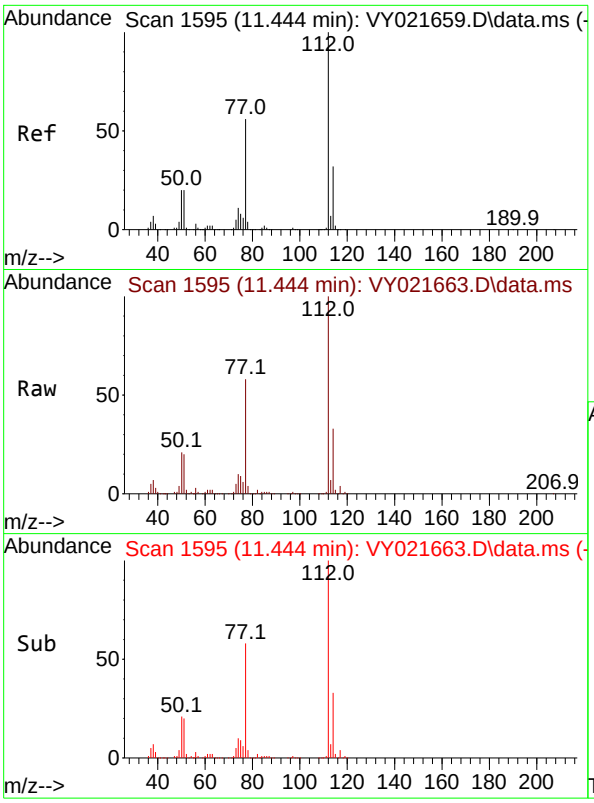


#64
Tetrachloroethene
Concen: 47.757 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:164 Resp: 145736

Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.6	156.8
129	94.4	76.6	114.8
131	92.9	73.4	110.0

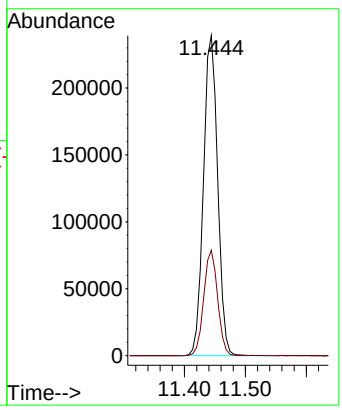




#65
Chlorobenzene
Concen: 50.384 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:112 Resp: 38698

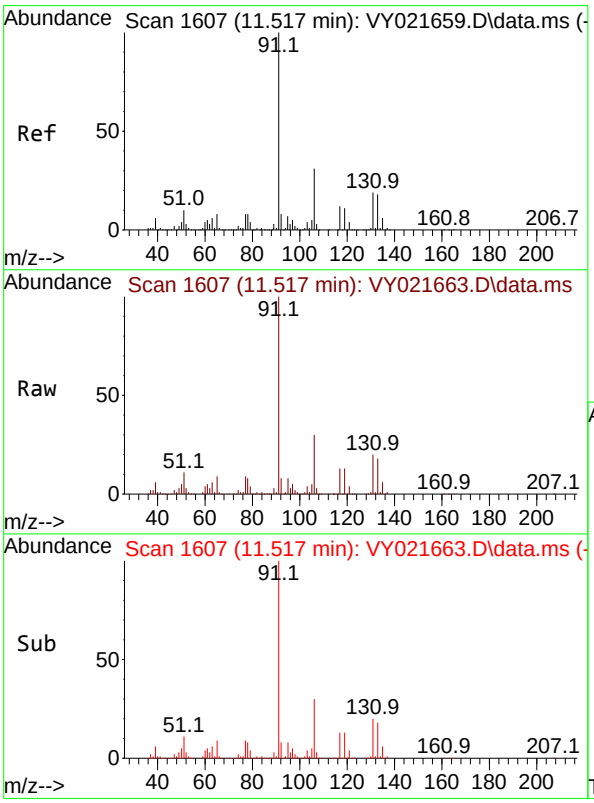
Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

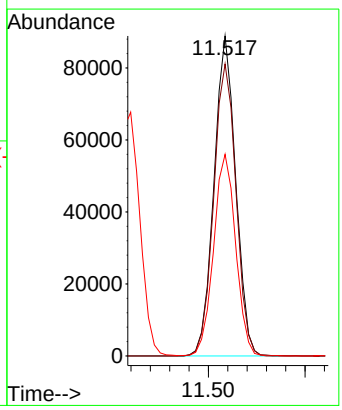
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

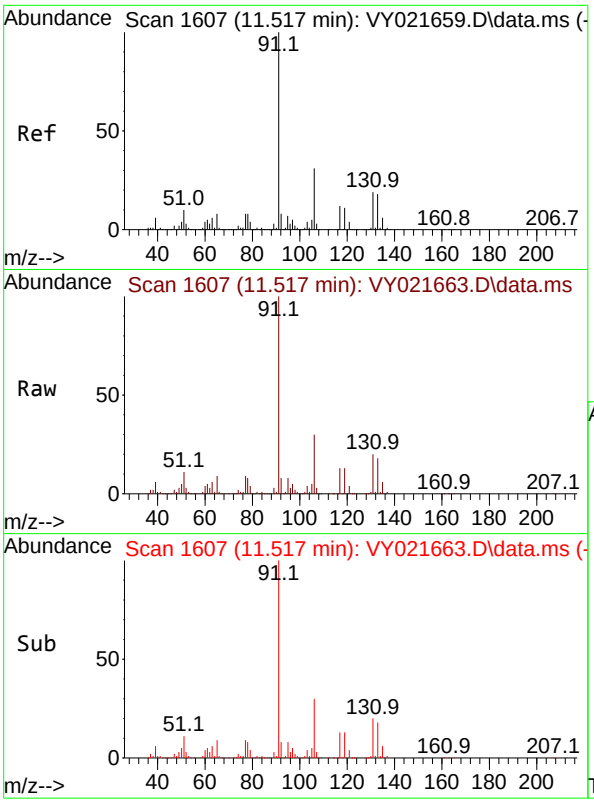


#66
1,1,1,2-Tetrachloroethane
Concen: 50.802 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:131 Resp: 138442

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.3	141.8
119	64.1	31.6	95.0

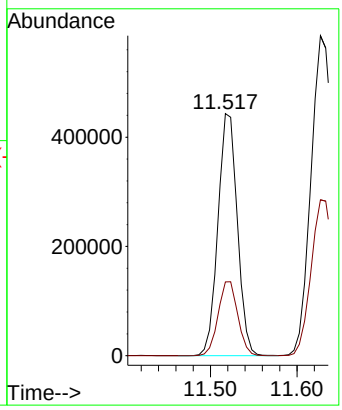




#67
Ethyl Benzene
Concen: 52.346 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 68943

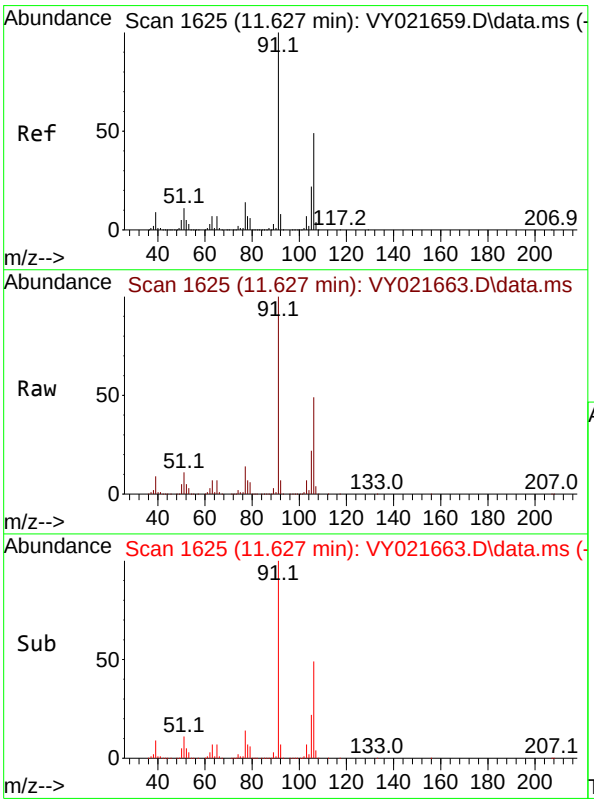
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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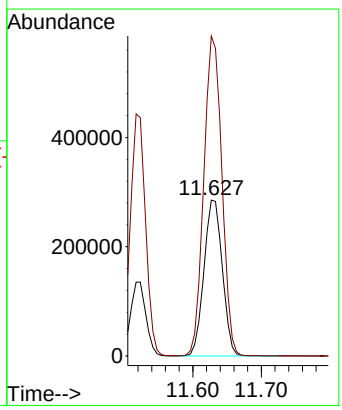
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

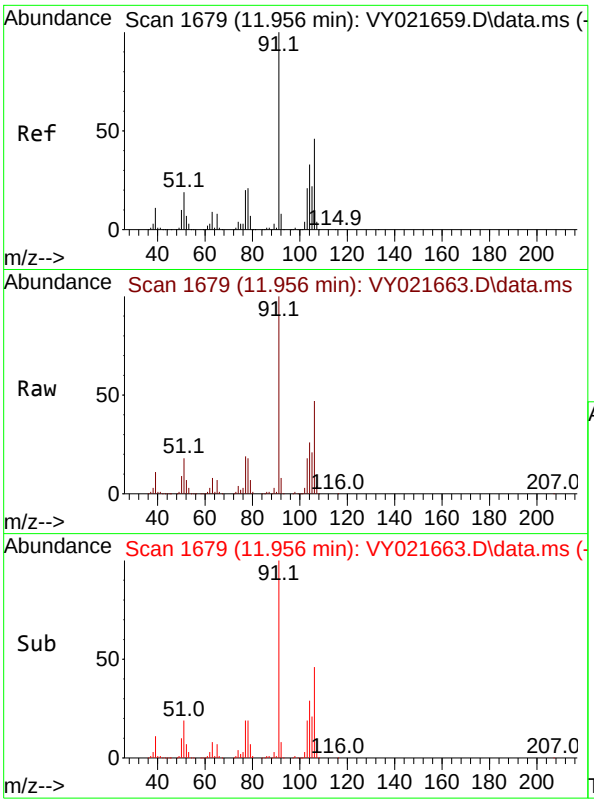


#68
m/p-Xylenes
Concen: 105.402 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:106 Resp: 531589

Ion	Ratio	Lower	Upper
106	100		
91	202.3	162.4	243.6





#69
o-Xylene
Concen: 53.075 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

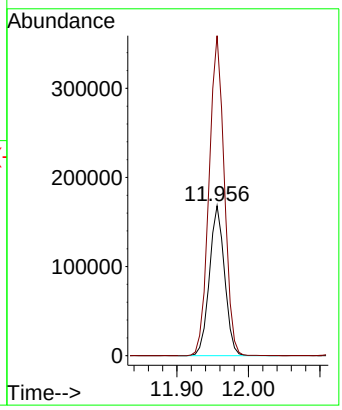
Tgt Ion:106 Resp: 24709

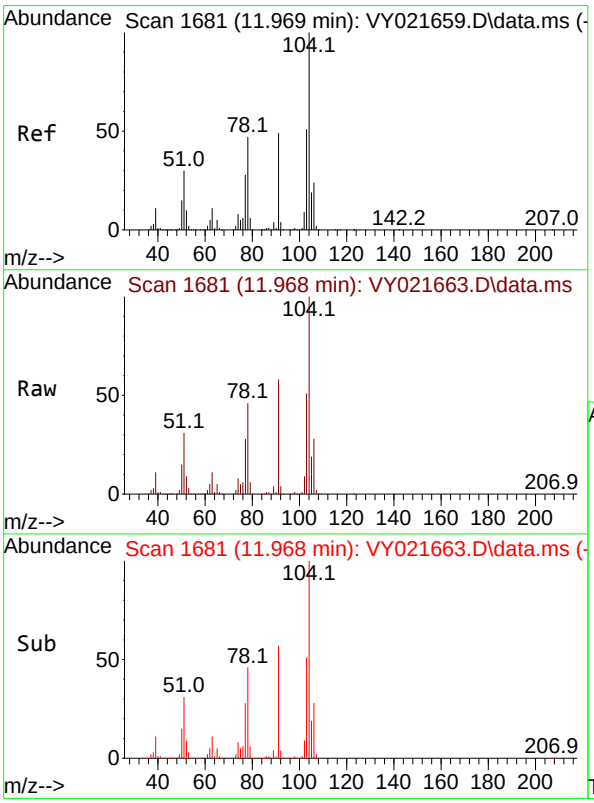
Ion	Ratio	Lower	Upper
106	100		
91	214.6	106.7	319.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

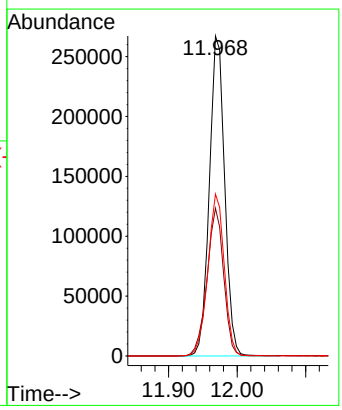


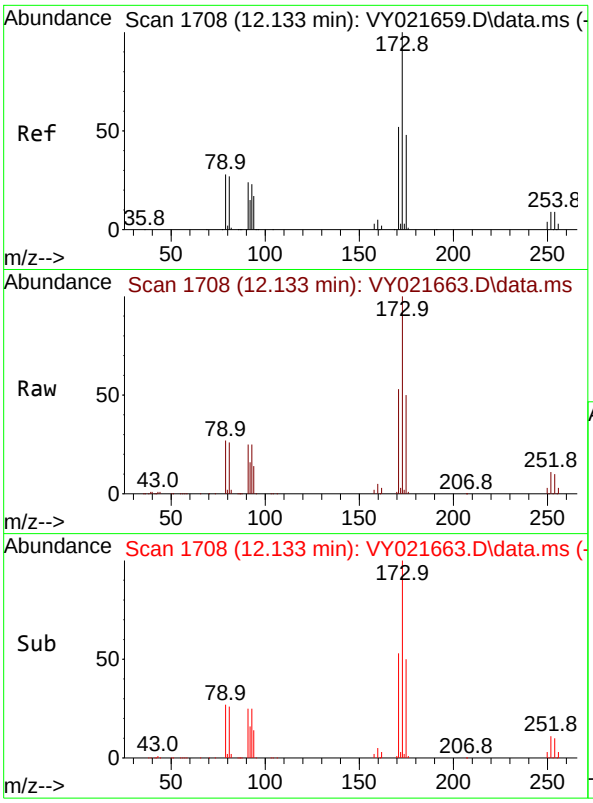


#70
Styrene
Concen: 53.627 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:104 Resp: 416261

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.8	61.2
103	54.3	44.2	66.2

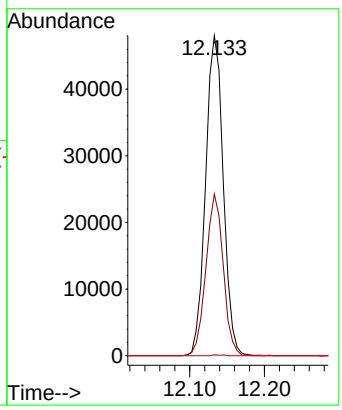




#71
Bromoform
Concen: 50.778 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:173 Resp: 7893

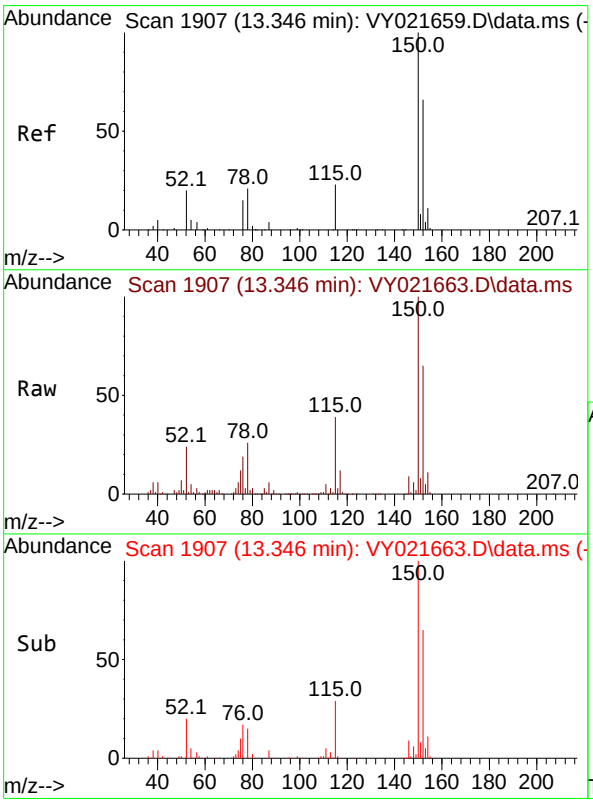
Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	73.0
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

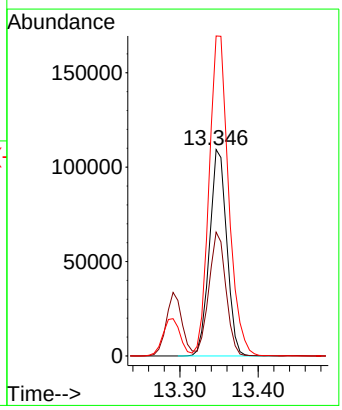
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

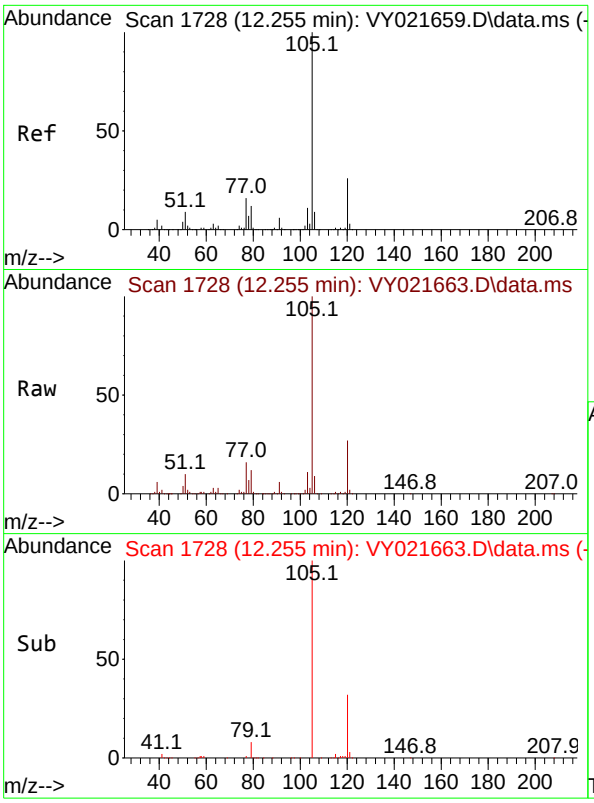


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:152 Resp: 166949

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.8	86.5
150	175.8	0.0	348.4

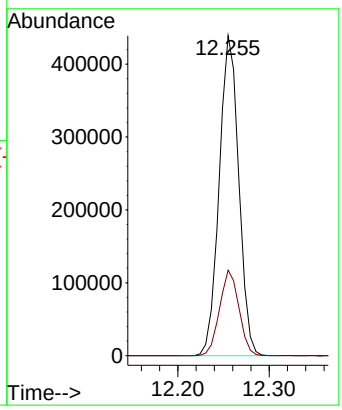




#73
Isopropylbenzene
Concen: 52.705 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:105 Resp: 65354

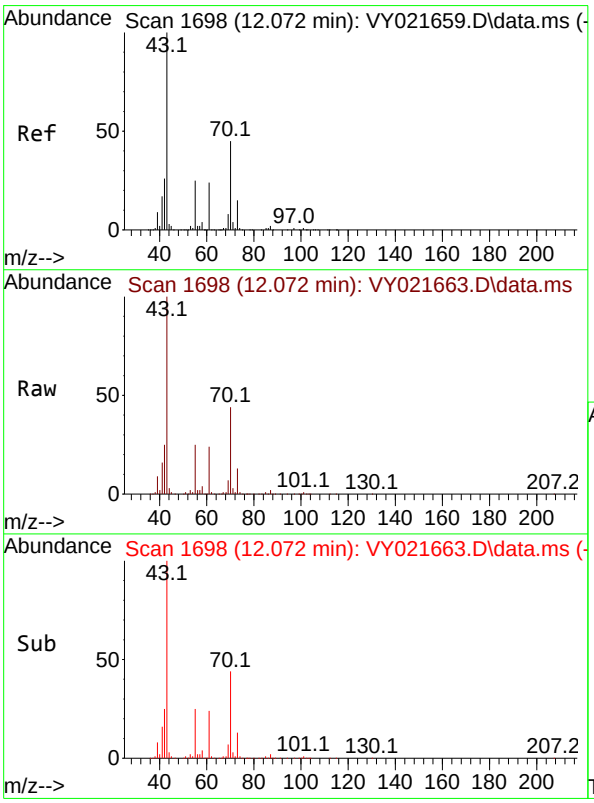
Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

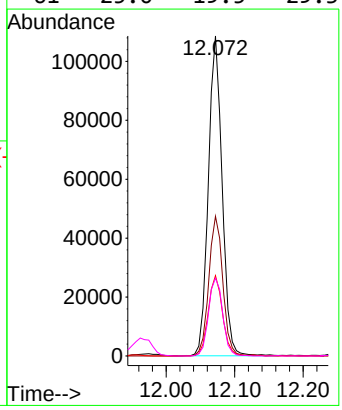
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

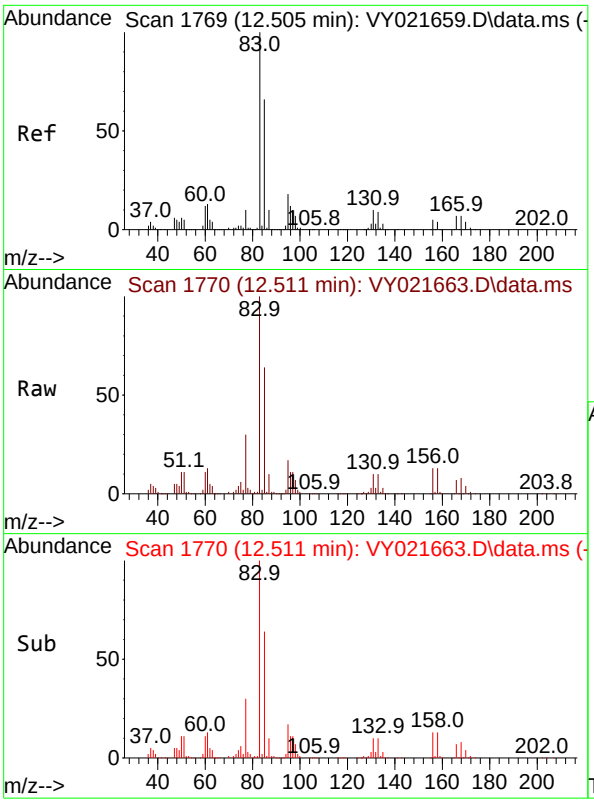


#74
N-amyl acetate
Concen: 52.323 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 43 Resp: 152268

Ion	Ratio	Lower	Upper
43	100		
70	44.6	34.7	52.1
55	26.0	21.2	31.8
61	25.0	19.5	29.3

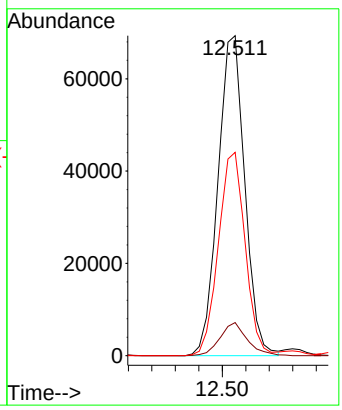




#75
1,1,2,2-Tetrachloroethane
Concen: 49.266 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 83 Resp: 10983

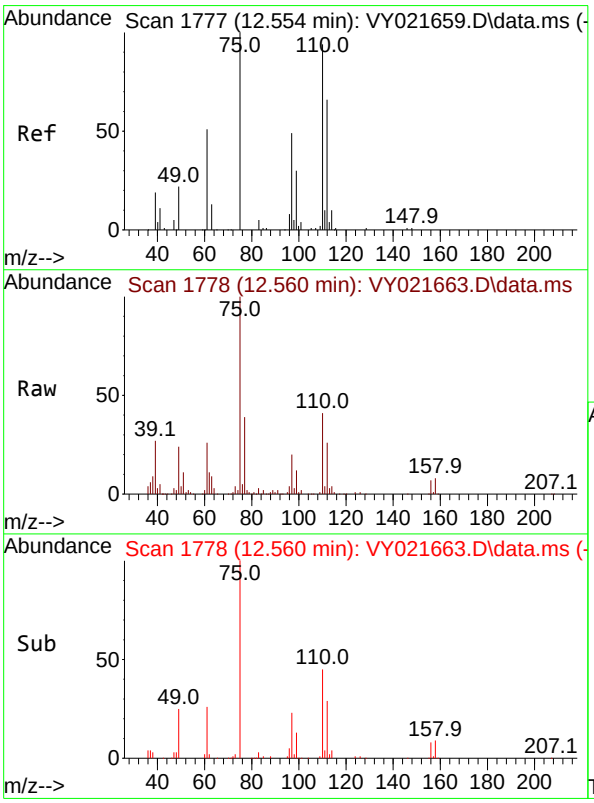
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	63.6	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
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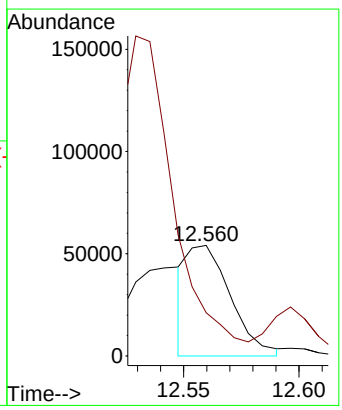
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

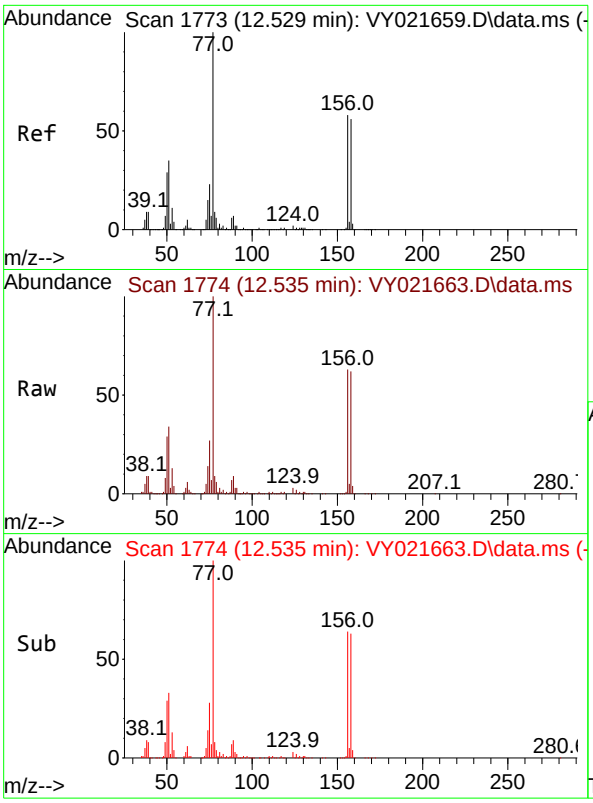


#76
1,2,3-Trichloropropane
Concen: 42.688 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 70644

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

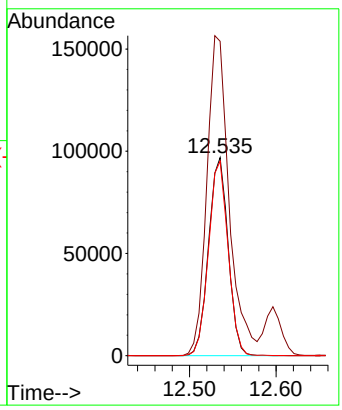




#77
Bromobenzene
Concen: 51.125 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:156 Resp: 15221

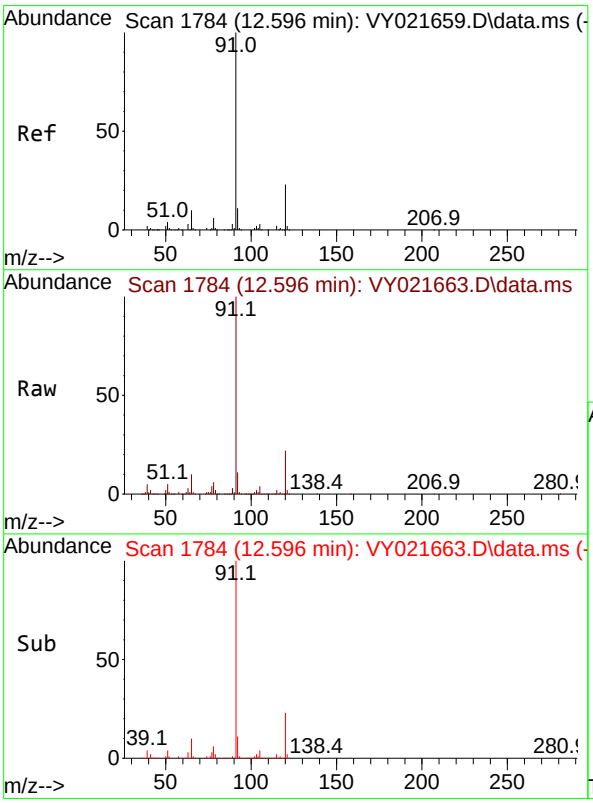
Ion	Ratio	Lower	Upper
156	100		
77	184.2	92.8	278.3
158	98.1	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

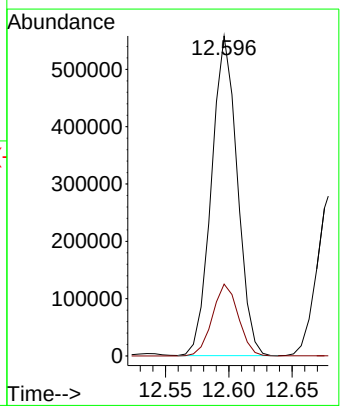
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

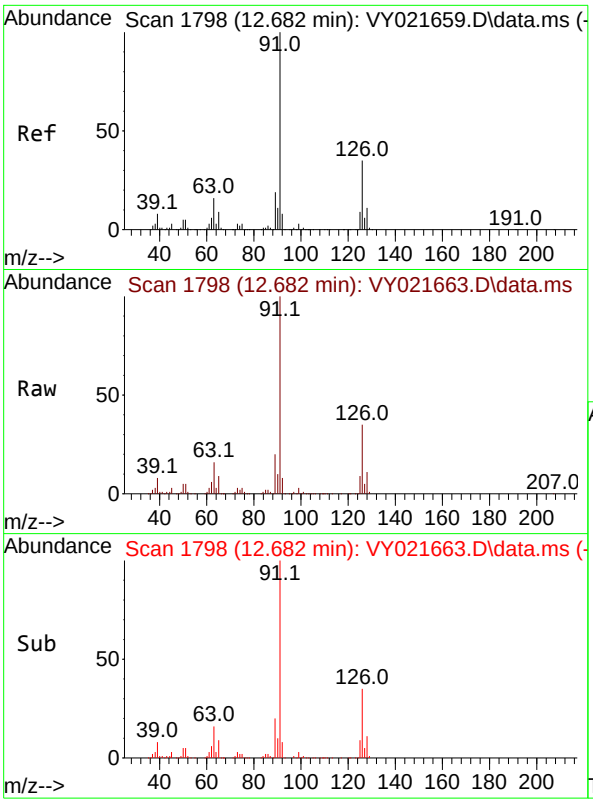


#78
n-propylbenzene
Concen: 53.182 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 792814

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9

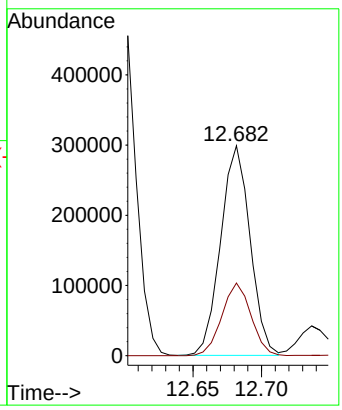




#79
2-Chlorotoluene
Concen: 51.671 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 44740

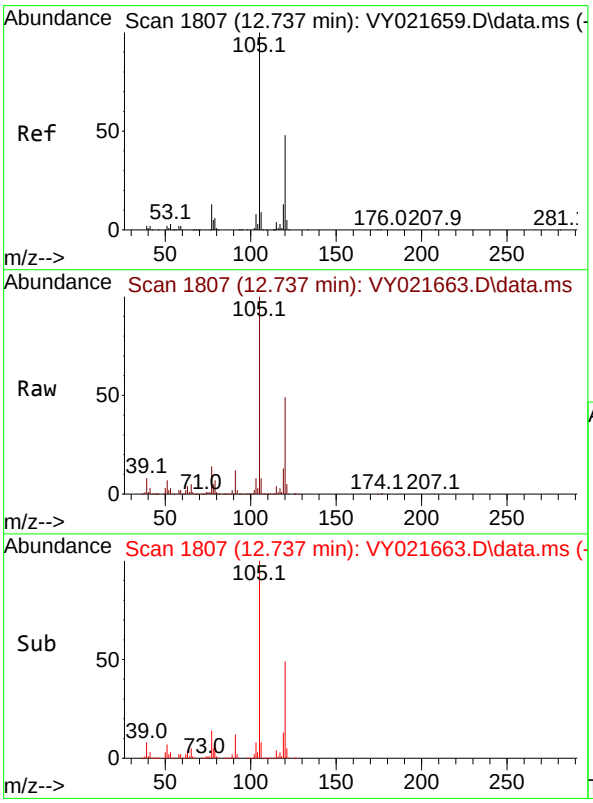
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

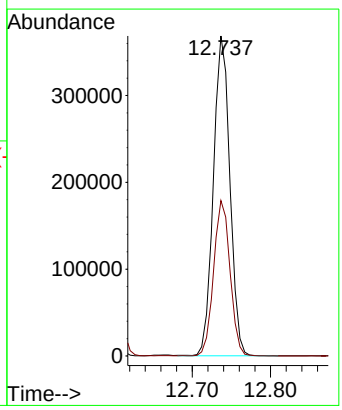
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

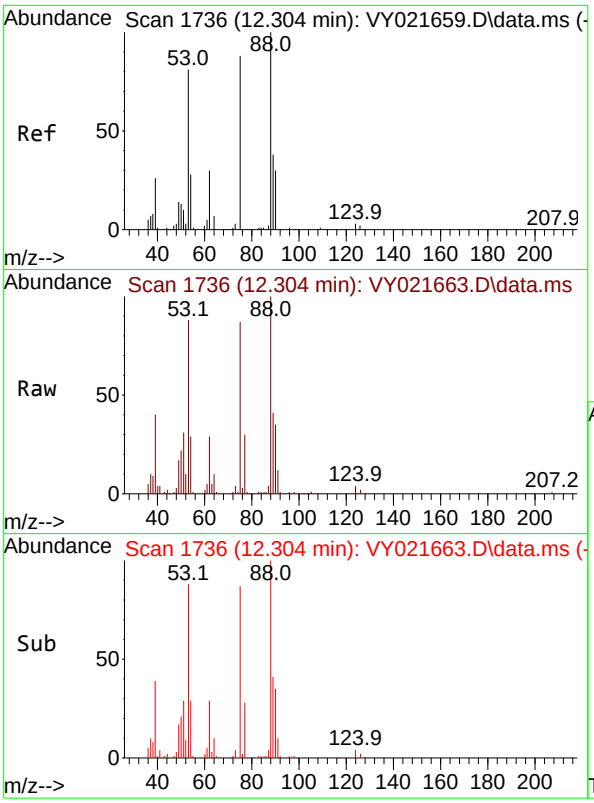


#80
1,3,5-Trimethylbenzene
Concen: 53.236 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:105 Resp: 539512

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.5	73.5

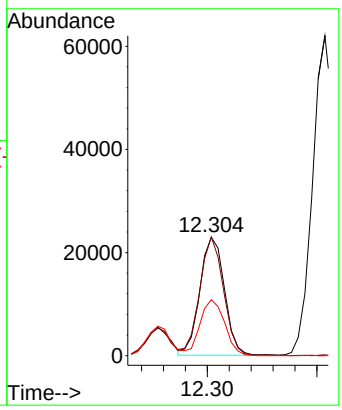




#81
trans-1,4-Dichloro-2-butene
Concen: 49.488 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 3554

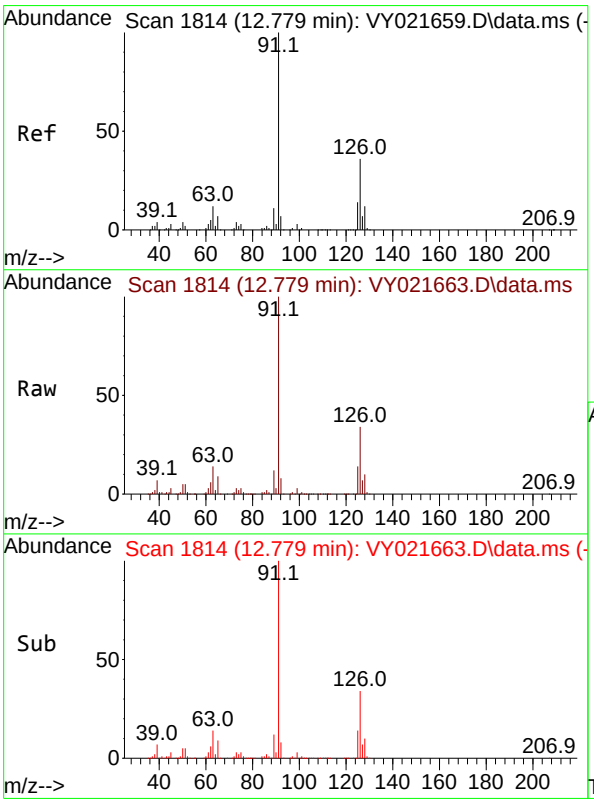
Ion	Ratio	Lower	Upper
75	100		
53	98.7	76.1	114.1
89	47.3	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

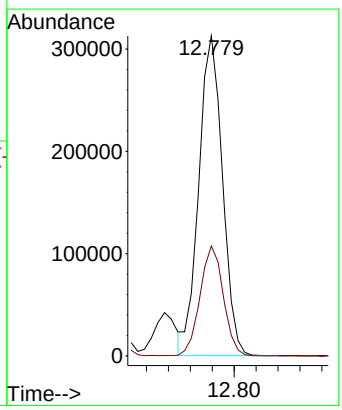
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

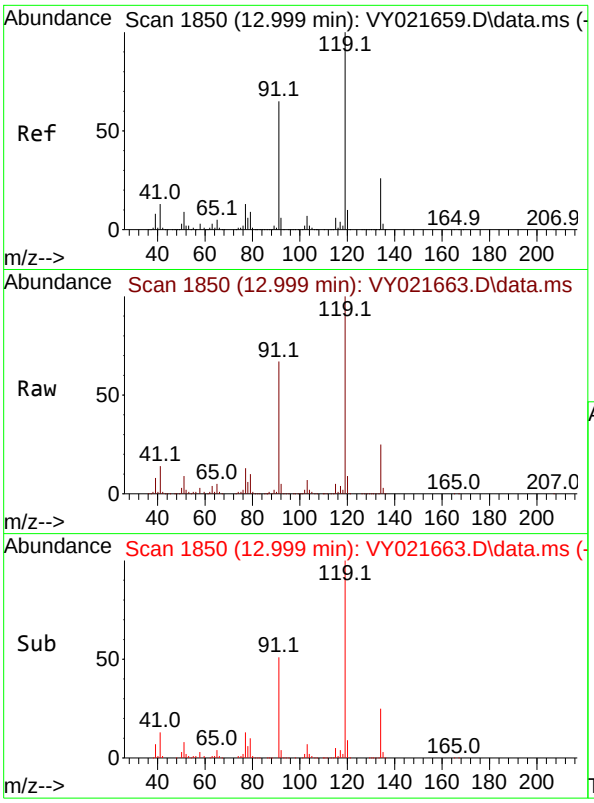


#82
4-Chlorotoluene
Concen: 51.969 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 469122

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9

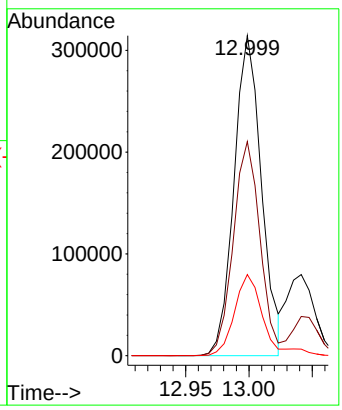




#83
tert-Butylbenzene
Concen: 52.616 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:119 Resp: 47494

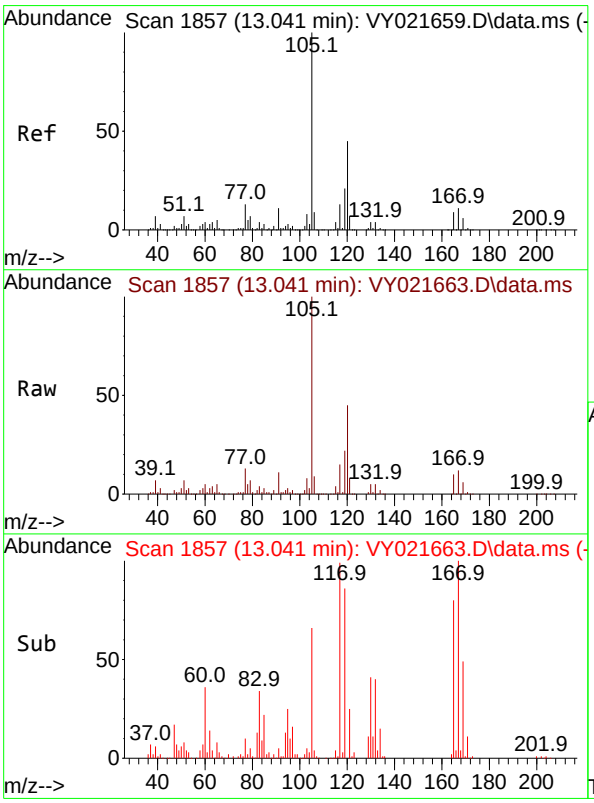
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	26.5	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

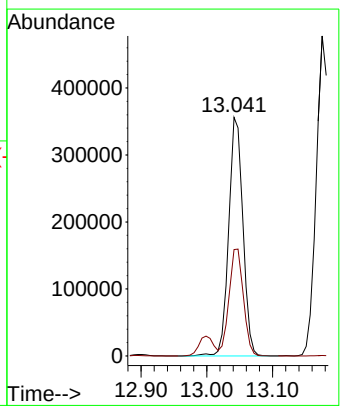
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

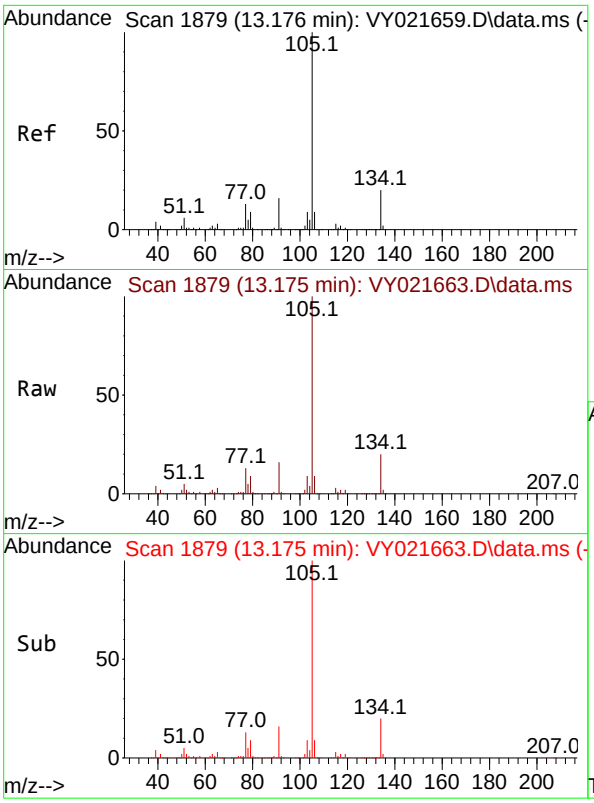


#84
1,2,4-Trimethylbenzene
Concen: 53.454 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:105 Resp: 535411

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.7	68.1

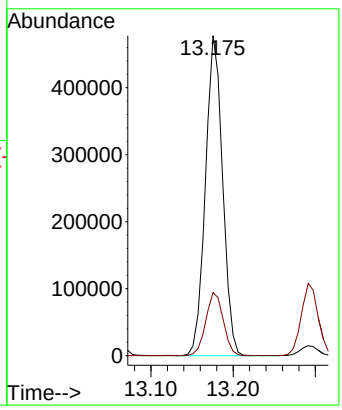




#85
sec-Butylbenzene
Concen: 52.471 ug/l
RT: 13.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:105 Resp: 69218

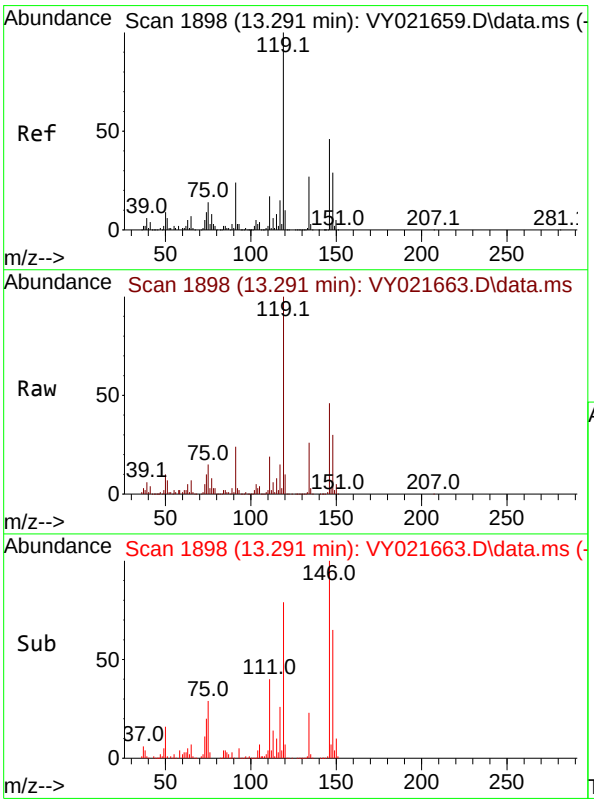
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

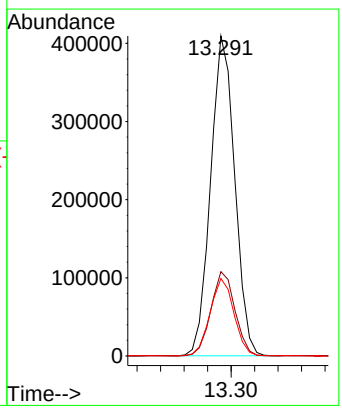
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

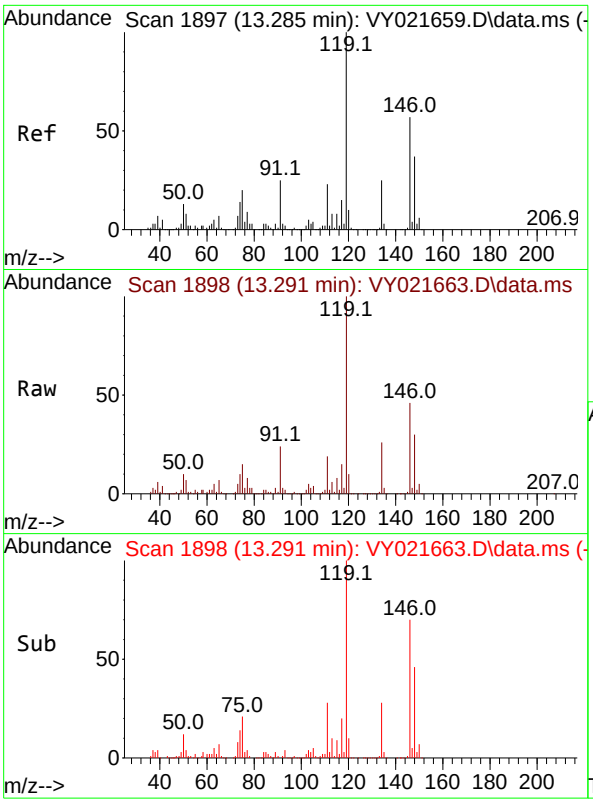


#86
p-Isopropyltoluene
Concen: 53.479 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:119 Resp: 583069

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	23.8	12.0	36.0

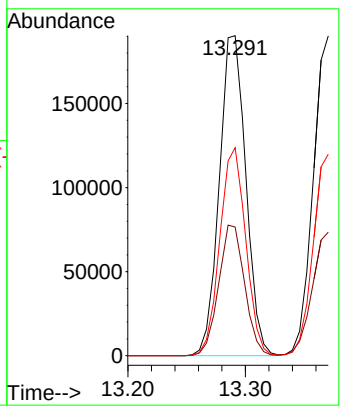




#87
1,3-Dichlorobenzene
Concen: 50.987 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:146 Resp: 29907

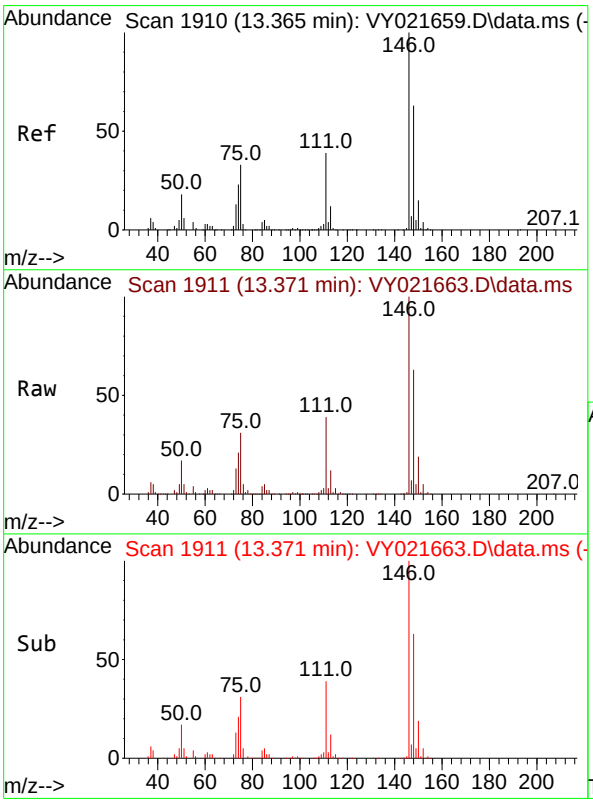
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.5	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

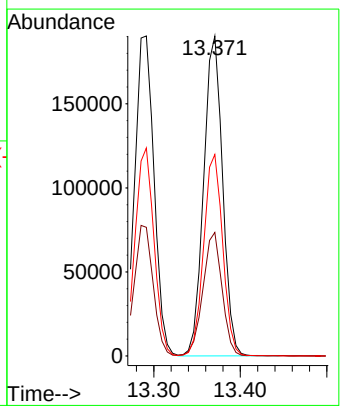
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

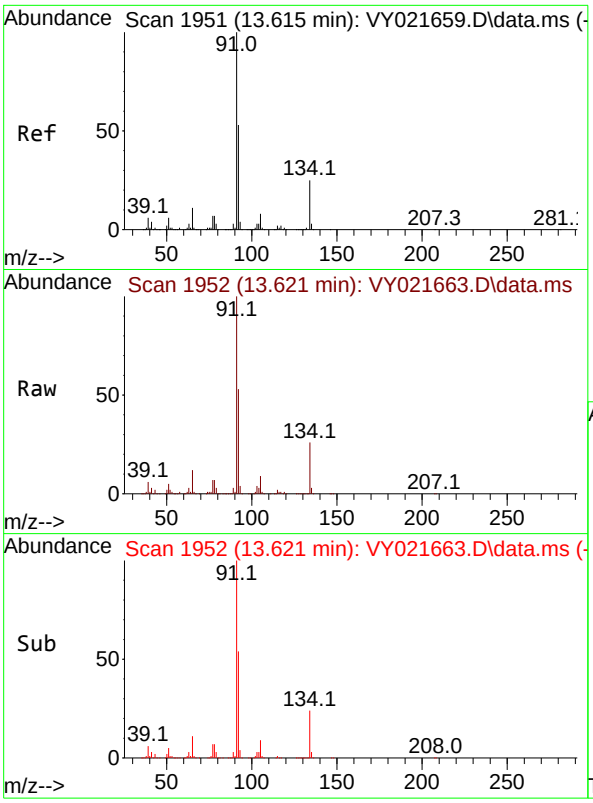


#88
1,4-Dichlorobenzene
Concen: 49.741 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:146 Resp: 288264

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.1	57.1
148	63.7	31.5	94.5

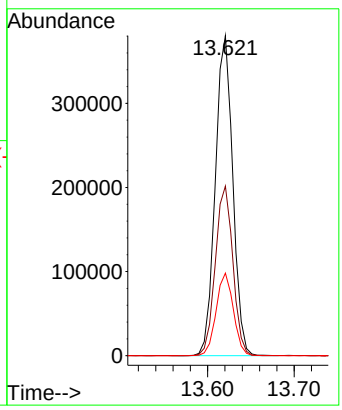




#89
n-Butylbenzene
Concen: 52.927 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 91 Resp: 53366

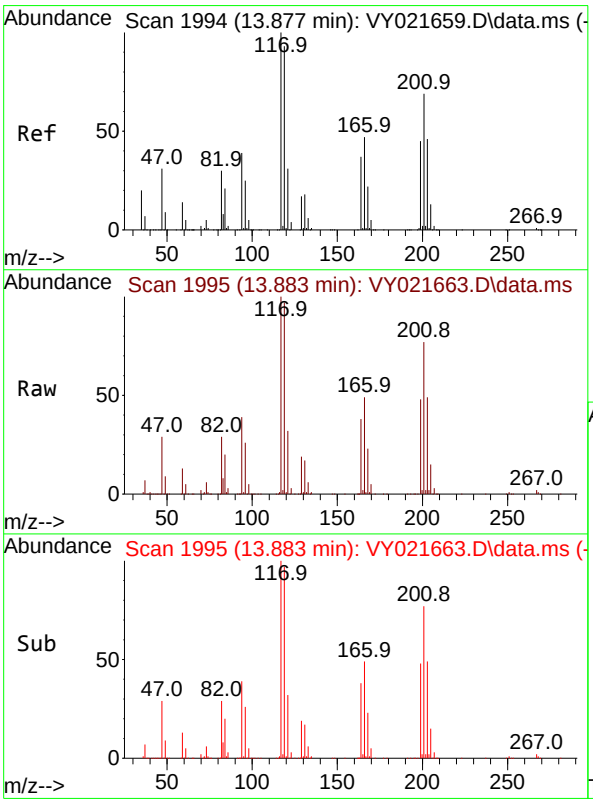
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	25.4	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

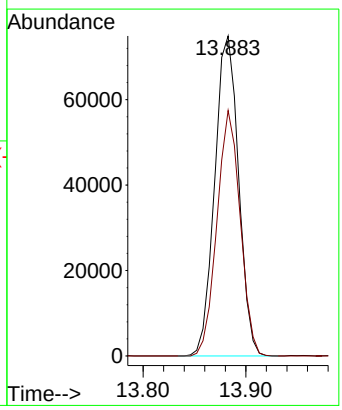
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

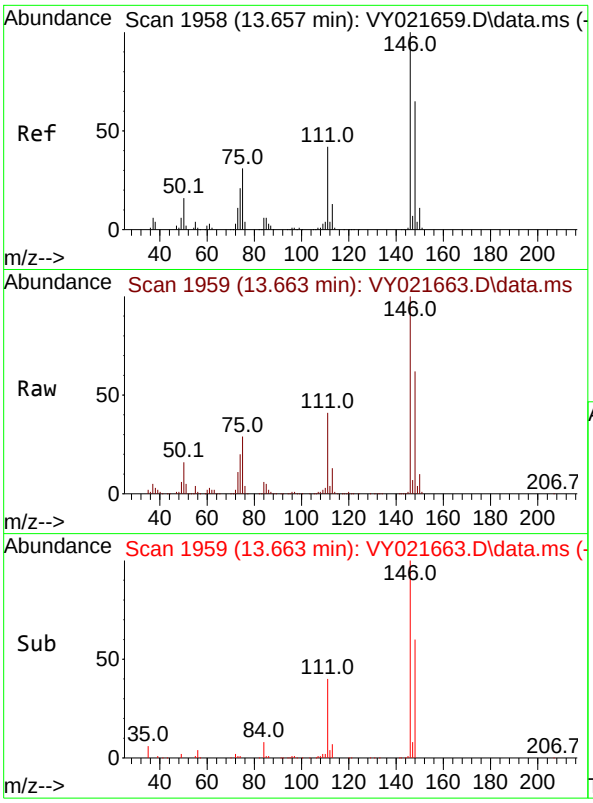


#90
Hexachloroethane
Concen: 50.454 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:117 Resp: 120546

Ion	Ratio	Lower	Upper
117	100		
201	74.7	37.4	112.1

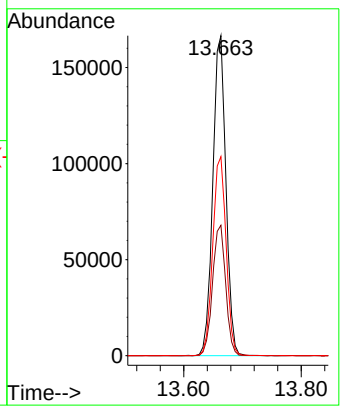




#91
1,2-Dichlorobenzene
Concen: 50.346 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:146 Resp: 25707

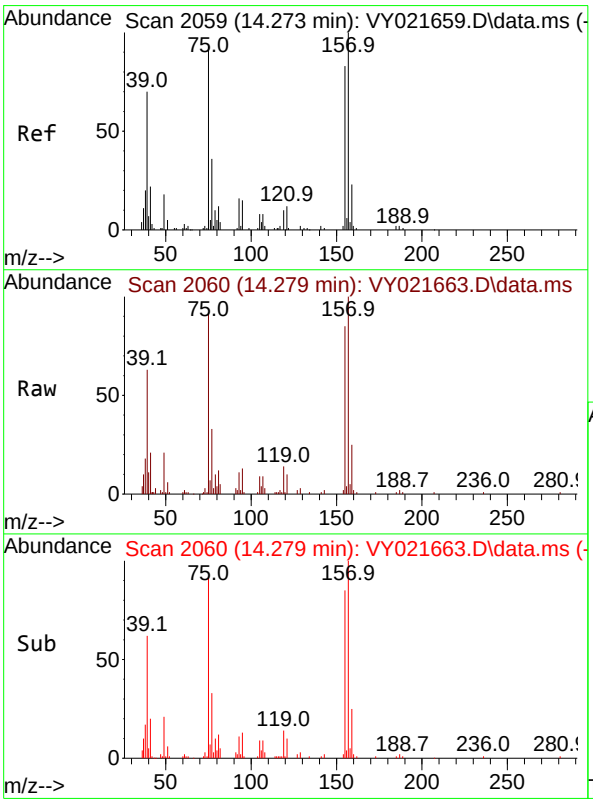
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	63.6	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

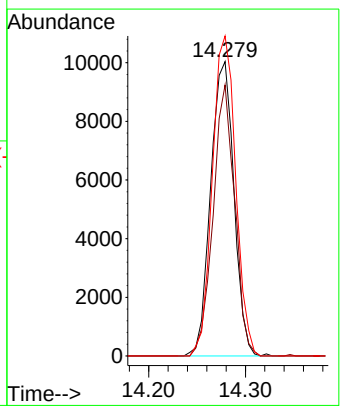
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

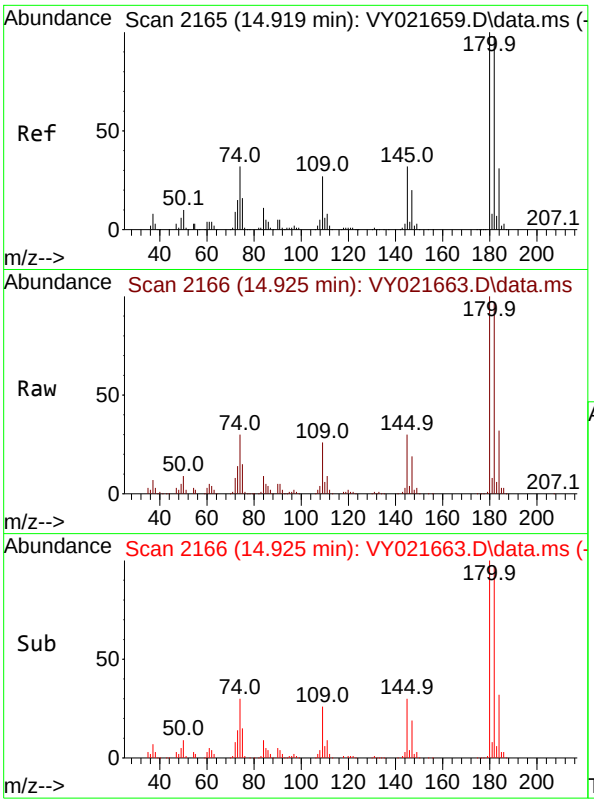


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.476 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion: 75 Resp: 16750

Ion	Ratio	Lower	Upper
75	100		
155	85.3	43.0	128.8
157	109.0	54.0	162.0

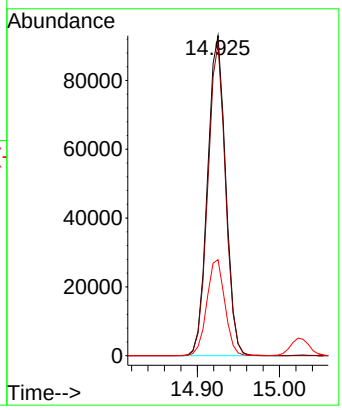




#93
1,2,4-Trichlorobenzene
Concen: 51.429 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:180 Resp: 14240

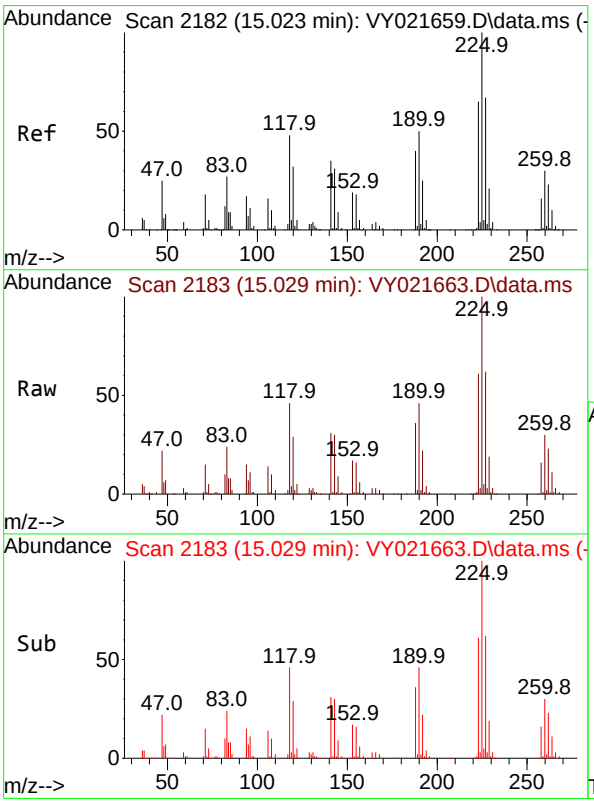
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	30.0	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations APPROVED

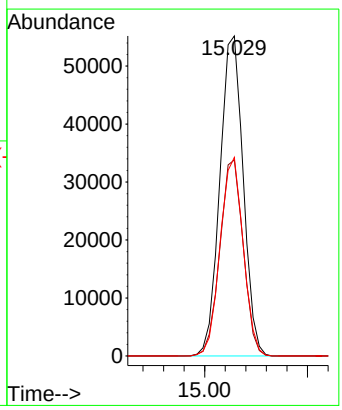
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025

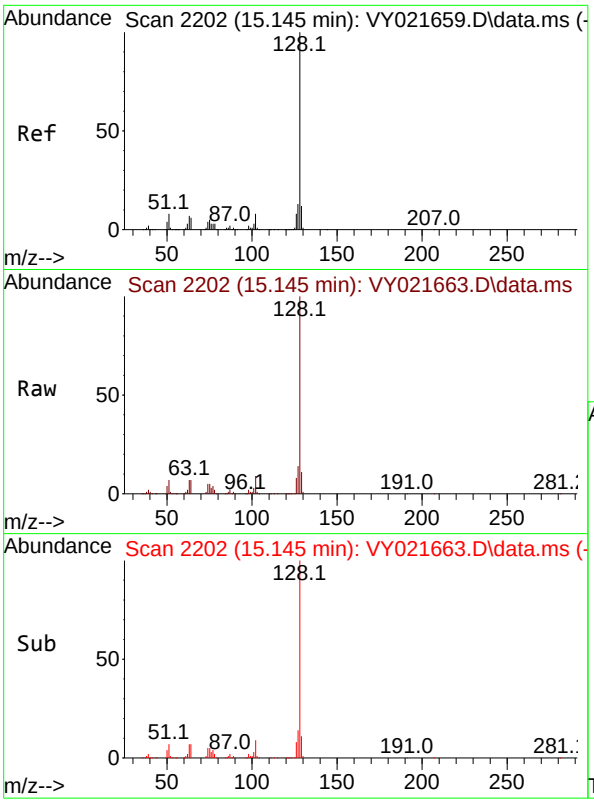


#94
Hexachlorobutadiene
Concen: 50.245 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:225 Resp: 86891

Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.9	95.7
227	61.4	32.4	97.0

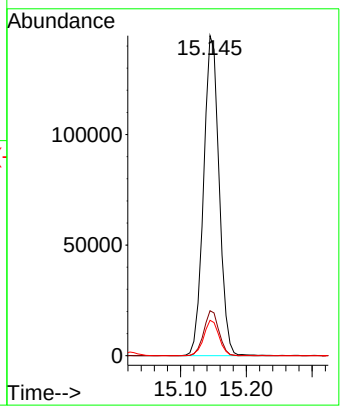




#95
Naphthalene
Concen: 51.759 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:128 Resp: 23756

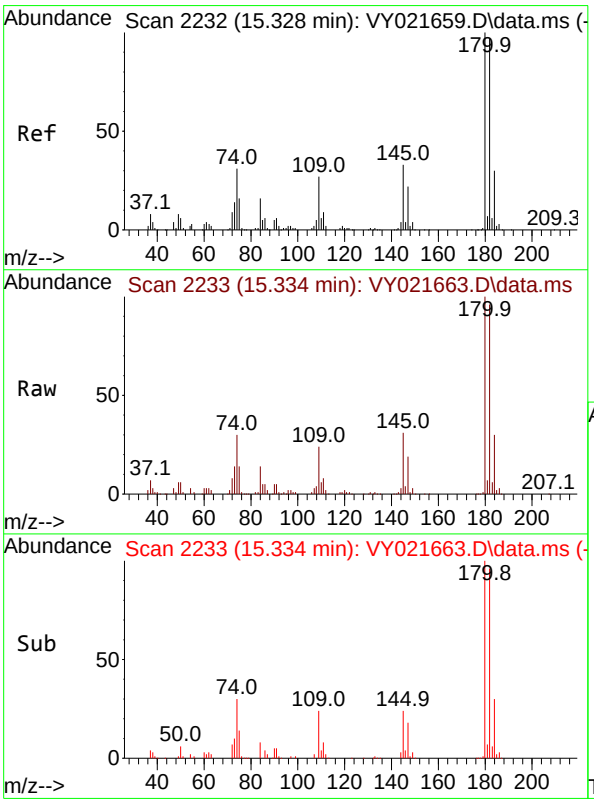
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	10.8	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Manual Integrations
APPROVED

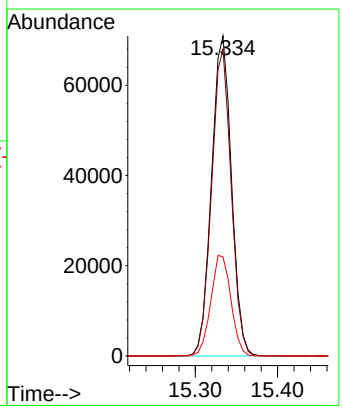
Reviewed By :Romaben Patel 03/28/2025
Supervised By :Mahesh Dadoda 03/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.640 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021663.D
Acq: 27 Mar 2025 13:15

Tgt Ion:180 Resp: 119575

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.5
145	31.7	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	101	0.00
2	T	Dichlorodifluoromethane	0.518	0.504	2.7	101	0.00
3	P	Chloromethane	0.729	0.740	-1.5	108	0.00
4	C	Vinyl Chloride	0.824	0.804	2.4#	102	0.00
5	T	Bromomethane	0.562	0.554	1.4	109	0.00
6	T	Chloroethane	0.539	0.546	-1.3	108	0.00
7	T	Trichlorofluoromethane	1.056	1.098	-4.0	110	0.00
8	T	Diethyl Ether	0.287	0.297	-3.5	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.557	0.537	3.6	101	0.00
10	T	Methyl Iodide	0.611	0.597	2.3	92	0.00
11	T	Tert butyl alcohol	0.035	0.034	2.9	101	0.00
12	CM	1,1-Dichloroethene	0.524	0.514	1.9#	101	0.00
13	T	Acrolein	0.064	0.064	0.0	103	0.00
14	T	Allyl chloride	0.836	0.843	-0.8	102	0.00
15	T	Acrylonitrile	0.120	0.118	1.7	99	0.00
16	T	Acetone	0.111	0.104	6.3	98	0.00
17	T	Carbon Disulfide	1.727	1.708	1.1	102	0.00
18	T	Methyl Acetate	0.275	0.268	2.5	102	0.00
19	T	Methyl tert-butyl Ether	1.306	1.320	-1.1	101	0.00
20	T	Methylene Chloride	0.626	0.578	7.7	104	0.00
21	T	trans-1,2-Dichloroethene	0.577	0.580	-0.5	104	0.00
22	T	Diisopropyl ether	1.754	1.799	-2.6	101	0.00
23	T	Vinyl Acetate	1.026	1.053	-2.6	100	0.00
24	P	1,1-Dichloroethane	1.049	1.049	0.0	102	0.00
25	T	2-Butanone	0.158	0.153	3.2	97	0.00
26	T	2,2-Dichloropropane	0.933	0.916	1.8	101	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.660	-1.7	102	0.00
28	T	Bromochloromethane	0.442	0.446	-0.9	106	0.00
29	T	Tetrahydrofuran	0.102	0.101	1.0	97	0.00
30	C	Chloroform	1.091	1.080	1.0#	101	0.00
31	T	Cyclohexane	0.956	0.915	4.3	101	0.00
32	T	1,1,1-Trichloroethane	0.986	0.973	1.3	102	0.00
33	S	1,2-Dichloroethane-d4	0.542	0.569	-5.0	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.324	0.352	-8.6	106	0.00
36	T	1,1-Dichloropropene	0.494	0.497	-0.6	101	0.00
37	T	Ethyl Acetate	0.233	0.229	1.7	99	0.00
38	T	Carbon Tetrachloride	0.566	0.564	0.4	102	0.00
39	T	Methylcyclohexane	0.590	0.612	-3.7	101	0.00
40	TM	Benzene	1.479	1.496	-1.1	102	0.00
41	T	Methacrylonitrile	0.124	0.118	4.8	88	-0.01
42	TM	1,2-Dichloroethane	0.417	0.413	1.0	101	0.00
43	T	Isopropyl Acetate	0.442	0.443	-0.2	100	0.00
44	TM	Trichloroethene	0.377	0.376	0.3	103	0.00
45	C	1,2-Dichloropropane	0.350	0.351	-0.3#	102	0.00
46	T	Dibromomethane	0.202	0.202	0.0	104	0.00
47	T	Bromodichloromethane	0.523	0.529	-1.1	103	0.00
48	T	Methyl methacrylate	0.203	0.211	-3.9	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	100	0.00
50	S	Toluene-d8	1.234	1.360	-10.2	107	0.00
51	T	4-Methyl-2-Pentanone	0.230	0.233	-1.3	99	0.00
52	CM	Toluene	0.923	0.952	-3.1#	102	0.00
53	T	t-1,3-Dichloropropene	0.465	0.475	-2.2	100	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.561	-2.4	101	0.00
55	T	1,1,2-Trichloroethane	0.260	0.258	0.8	101	0.00
56	T	Ethyl methacrylate	0.332	0.361	-8.7	101	0.00
57	T	1,3-Dichloropropane	0.449	0.454	-1.1	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.162	0.179	-10.5	102	0.00
59	T	2-Hexanone	0.153	0.156	-2.0	98	0.00
60	T	Dibromochloromethane	0.355	0.359	-1.1	101	0.00
61	T	1,2-Dibromoethane	0.244	0.248	-1.6	100	0.00
62	S	4-Bromofluorobenzene	0.417	0.462	-10.8	108	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.455	0.435	4.4	98	0.00
65	PM	Chlorobenzene	1.146	1.155	-0.8	102	0.00
66	T	1,1,1,2-Tetrachloroethane	0.407	0.413	-1.5	102	0.00
67	C	Ethyl Benzene	1.965	2.058	-4.7#	102	0.00
68	T	m/p-Xylenes	0.753	0.793	-5.3	102	0.00
69	T	o-Xylene	0.695	0.737	-6.0	102	0.00
70	T	Styrene	1.158	1.242	-7.3	102	0.00
71	P	Bromoform	0.232	0.236	-1.7	101	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	3.714	3.915	-5.4	102	0.00
74	T	N-amyl acetate	0.872	0.912	-4.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	0.668	0.658	1.5	100	0.00
76	T	1,2,3-Trichloropropane	0.496	0.423	14.7	84	0.00
77	T	Bromobenzene	0.892	0.912	-2.2	102	0.00
78	T	n-propylbenzene	4.465	4.749	-6.4	102	0.00
79	T	2-Chlorotoluene	2.593	2.680	-3.4	101	0.00
80	T	1,3,5-Trimethylbenzene	3.035	3.232	-6.5	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.215	0.213	0.9	95	0.00
82	T	4-Chlorotoluene	2.704	2.810	-3.9	101	0.00
83	T	tert-Butylbenzene	2.703	2.845	-5.3	101	0.00
84	T	1,2,4-Trimethylbenzene	3.000	3.207	-6.9	102	0.00
85	T	sec-Butylbenzene	3.951	4.146	-4.9	101	0.00
86	T	p-Isopropyltoluene	3.265	3.492	-7.0	101	0.00
87	T	1,3-Dichlorobenzene	1.757	1.791	-1.9	102	0.00
88	T	1,4-Dichlorobenzene	1.736	1.727	0.5	99	0.00
89	T	n-Butylbenzene	3.020	3.197	-5.9	100	0.00
90	T	Hexachloroethane	0.716	0.722	-0.8	102	0.00
91	T	1,2-Dichlorobenzene	1.529	1.540	-0.7	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.100	2.9	98	0.00
93	T	1,2,4-Trichlorobenzene	0.829	0.853	-2.9	97	0.00
94	T	Hexachlorobutadiene	0.518	0.520	-0.4	99	0.00
95	T	Naphthalene	1.375	1.423	-3.5	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.716	-1.3	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	101	0.00
2	T	Dichlorodifluoromethane	50.000	48.632	2.7	101	0.00
3	P	Chloromethane	50.000	50.781	-1.6	108	0.00
4	C	Vinyl Chloride	50.000	48.759	2.5#	102	0.00
5	T	Bromomethane	50.000	49.274	1.5	109	0.00
6	T	Chloroethane	50.000	50.589	-1.2	108	0.00
7	T	Trichlorofluoromethane	50.000	51.989	-4.0	110	0.00
8	T	Diethyl Ether	50.000	51.807	-3.6	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.213	3.6	101	0.00
10	T	Methyl Iodide	50.000	48.859	2.3	92	0.00
11	T	Tert butyl alcohol	250.000	239.093	4.4	101	0.00
12	CM	1,1-Dichloroethene	50.000	48.958	2.1#	101	0.00
13	T	Acrolein	250.000	249.738	0.1	103	0.00
14	T	Allyl chloride	50.000	50.380	-0.8	102	0.00
15	T	Acrylonitrile	250.000	246.085	1.6	99	0.00
16	T	Acetone	250.000	234.856	6.1	98	0.00
17	T	Carbon Disulfide	50.000	49.428	1.1	102	0.00
18	T	Methyl Acetate	50.000	48.703	2.6	102	0.00
19	T	Methyl tert-butyl Ether	50.000	50.561	-1.1	101	0.00
20	T	Methylene Chloride	50.000	53.536	-7.1	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.186	-0.4	104	0.00
22	T	Diisopropyl ether	50.000	51.273	-2.5	101	0.00
23	T	Vinyl Acetate	250.000	256.638	-2.7	100	0.00
24	P	1,1-Dichloroethane	50.000	50.001	-0.0	102	0.00
25	T	2-Butanone	250.000	240.921	3.6	97	0.00
26	T	2,2-Dichloropropane	50.000	49.103	1.8	101	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.806	-1.6	102	0.00
28	T	Bromochloromethane	50.000	50.360	-0.7	106	0.00
29	T	Tetrahydrofuran	250.000	247.271	1.1	97	0.00
30	C	Chloroform	50.000	49.490	1.0#	101	0.00
31	T	Cyclohexane	50.000	47.844	4.3	101	0.00
32	T	1,1,1-Trichloroethane	50.000	49.319	1.4	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.553	-5.1	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	54.243	-8.5	106	0.00
36	T	1,1-Dichloropropene	50.000	50.326	-0.7	101	0.00
37	T	Ethyl Acetate	50.000	49.145	1.7	99	0.00
38	T	Carbon Tetrachloride	50.000	49.814	0.4	102	0.00
39	T	Methylcyclohexane	50.000	51.843	-3.7	101	0.00
40	TM	Benzene	50.000	50.574	-1.1	102	0.00
41	T	Methacrylonitrile	50.000	47.475	5.0	88	-0.01
42	TM	1,2-Dichloroethane	50.000	49.556	0.9	101	0.00
43	T	Isopropyl Acetate	50.000	50.106	-0.2	100	0.00
44	TM	Trichloroethene	50.000	49.933	0.1	103	0.00
45	C	1,2-Dichloropropane	50.000	50.158	-0.3#	102	0.00
46	T	Dibromomethane	50.000	50.052	-0.1	104	0.00
47	T	Bromodichloromethane	50.000	50.530	-1.1	103	0.00
48	T	Methyl methacrylate	50.000	52.076	-4.2	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	1006.593	-0.7	100	0.00
50	S	Toluene-d8	50.000	55.117	-10.2	107	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.890	-1.2	99	0.00
52	CM	Toluene	50.000	51.555	-3.1#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	51.152	-2.3	100	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.154	-2.3	101	0.00
55	T	1,1,2-Trichloroethane	50.000	49.656	0.7	101	0.00
56	T	Ethyl methacrylate	50.000	54.371	-8.7	101	0.00
57	T	1,3-Dichloropropane	50.000	50.563	-1.1	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	276.714	-10.7	102	0.00
59	T	2-Hexanone	250.000	255.065	-2.0	98	0.00
60	T	Dibromochloromethane	50.000	50.679	-1.4	101	0.00
61	T	1,2-Dibromoethane	50.000	50.970	-1.9	100	0.00
62	S	4-Bromofluorobenzene	50.000	55.339	-10.7	108	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	47.757	4.5	98	0.00
65	PM	Chlorobenzene	50.000	50.384	-0.8	102	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.802	-1.6	102	0.00
67	C	Ethyl Benzene	50.000	52.346	-4.7#	102	0.00
68	T	m/p-Xylenes	100.000	105.402	-5.4	102	0.00
69	T	o-Xylene	50.000	53.075	-6.2	102	0.00
70	T	Styrene	50.000	53.627	-7.3	102	0.00
71	P	Bromoform	50.000	50.778	-1.6	101	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	52.705	-5.4	102	0.00
74	T	N-amyl acetate	50.000	52.323	-4.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.266	1.5	100	0.00
76	T	1,2,3-Trichloropropane	50.000	42.688	14.6	84	0.00
77	T	Bromobenzene	50.000	51.125	-2.3	102	0.00
78	T	n-propylbenzene	50.000	53.182	-6.4	102	0.00
79	T	2-Chlorotoluene	50.000	51.671	-3.3	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.236	-6.5	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.488	1.0	95	0.00
82	T	4-Chlorotoluene	50.000	51.969	-3.9	101	0.00
83	T	tert-Butylbenzene	50.000	52.616	-5.2	101	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.454	-6.9	102	0.00
85	T	sec-Butylbenzene	50.000	52.471	-4.9	101	0.00
86	T	p-Isopropyltoluene	50.000	53.479	-7.0	101	0.00
87	T	1,3-Dichlorobenzene	50.000	50.987	-2.0	102	0.00
88	T	1,4-Dichlorobenzene	50.000	49.741	0.5	99	0.00
89	T	n-Butylbenzene	50.000	52.927	-5.9	100	0.00
90	T	Hexachloroethane	50.000	50.454	-0.9	102	0.00
91	T	1,2-Dichlorobenzene	50.000	50.346	-0.7	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.476	3.0	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.429	-2.9	97	0.00
94	T	Hexachlorobutadiene	50.000	50.245	-0.5	99	0.00
95	T	Naphthalene	50.000	51.759	-3.5	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021663.D
Acq On : 27 Mar 2025 13:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY032725

Quant Time: Mar 28 03:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.640	-1.3	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG No.: Q1790

Instrument ID: MSVOA_X Calibration Date/Time: 04/11/2025 10:41

Lab File ID: VX045730.D Init. Calib. Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:06 19:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Trichloroethene	0.348	0.335		-3.74	20
1,2-Dichloroethane-d4	0.914	0.880		-3.72	20
Dibromofluoromethane	0.355	0.354		-0.28	20
Toluene-d8	1.238	1.226		-0.97	20
4-Bromofluorobenzene	0.451	0.491		8.87	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\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	97283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	164714	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	85573	48.100	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.200%			
35) Dibromofluoromethane	5.379	113	58254	49.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.700%			
50) Toluene-d8	8.647	98	202013	49.525	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.040%			
62) 4-Bromofluorobenzene	11.079	95	80858	54.421	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	72437	49.789	ug/l	99
3) Chloromethane	1.307	50	67667	45.273	ug/l	100
4) Vinyl Chloride	1.374	62	61876	45.237	ug/l	99
5) Bromomethane	1.593	94	27260	42.032	ug/l	99
6) Chloroethane	1.666	64	34556	47.617	ug/l	100
7) Trichlorofluoromethane	1.873	101	97632	47.866	ug/l	99
8) Diethyl Ether	2.130	74	31690	46.277	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	58859	49.246	ug/l	98
10) Methyl Iodide	2.440	142	67086	45.000	ug/l	97
11) Tert butyl alcohol	2.977	59	60339	252.369	ug/l	99
12) 1,1-Dichloroethene	2.306	96	53422	45.743	ug/l	97
13) Acrolein	2.233	56	61319	186.241	ug/l	99
14) Allyl chloride	2.654	41	106077	47.870	ug/l	100
15) Acrylonitrile	3.062	53	178975	237.140	ug/l	98
16) Acetone	2.386	43	168655	230.867	ug/l	97
17) Carbon Disulfide	2.501	76	115535	40.054	ug/l	98
18) Methyl Acetate	2.703	43	89137	52.996	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	201092	49.222	ug/l	98
20) Methylene Chloride	2.782	84	63104	46.141	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	53927	45.197	ug/l	95
22) Diisopropyl ether	3.757	45	208728	47.818	ug/l	93
23) Vinyl Acetate	3.715	43	927978	246.059	ug/l	100
24) 1,1-Dichloroethane	3.599	63	114911	46.549	ug/l	99
25) 2-Butanone	4.556	43	260543	243.647	ug/l	99
26) 2,2-Dichloropropane	4.465	77	88385	55.416	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	66350	45.644	ug/l	96
28) Bromochloromethane	4.891	49	56463	47.331	ug/l	98
29) Tetrahydrofuran	5.001	42	163985	236.531	ug/l	99
30) Chloroform	5.086	83	120655	47.500	ug/l	99
31) Cyclohexane	5.464	56	100209	45.918	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	103773	48.281	ug/l	99
36) 1,1-Dichloropropene	5.684	75	76541	48.508	ug/l	99
37) Ethyl Acetate	4.708	43	95833	48.194	ug/l	99
38) Carbon Tetrachloride	5.665	117	87144	51.101	ug/l	98
39) Methylcyclohexane	7.373	83	98187	50.764	ug/l	96
40) Benzene	6.031	78	231234	47.983	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.916	41	56924	54.255 ug/l		98
42) 1,2-Dichloroethane	6.080	62	100704	50.595 ug/l		100
43) Isopropyl Acetate	6.336	43	158328	52.534 ug/l		100
44) Trichloroethene	7.123	130	55126	48.127 ug/l		97
45) 1,2-Dichloropropane	7.421	63	59390	49.393 ug/l		97
46) Dibromomethane	7.574	93	45368	49.152 ug/l		98
47) Bromodichloromethane	7.818	83	92524	50.194 ug/l		96
48) Methyl methacrylate	7.690	41	82873	53.257 ug/l		98
49) 1,4-Dioxane	7.659	88	30420	1080.494 ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	526773	263.661 ug/l		99
52) Toluene	8.714	92	141355	48.475 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	84143	47.584 ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	93096	53.744 ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	58189	50.076 ug/l		97
56) Ethyl methacrylate	9.116	69	98718	54.894 ug/l		99
57) 1,3-Dichloropropane	9.305	76	101969	50.393 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	245823	270.217 ug/l		99
59) 2-Hexanone	9.427	43	391086	264.335 ug/l		100
60) Dibromochloromethane	9.518	129	65483	51.692 ug/l		99
61) 1,2-Dibromoethane	9.604	107	60328	51.286 ug/l		100
64) Tetrachloroethene	9.269	164	47682	45.712 ug/l		98
65) Chlorobenzene	10.073	112	154107	48.815 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54432	49.662 ug/l		99
67) Ethyl Benzene	10.189	91	283288	50.102 ug/l		100
68) m/p-Xylenes	10.299	106	209512	101.879 ug/l		99
69) o-Xylene	10.640	106	103263	50.973 ug/l		100
70) Styrene	10.652	104	175059	52.356 ug/l		99
71) Bromoform	10.799	173	42549	51.992 ug/l	#	99
73) Isopropylbenzene	10.957	105	279055	48.759 ug/l		99
74) N-amyl acetate	10.841	43	140866	51.455 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	92218	45.869 ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	80723m	46.318 ug/l		
77) Bromobenzene	11.195	156	62929	47.589 ug/l		99
78) n-propylbenzene	11.299	91	329781	50.027 ug/l		100
79) 2-Chlorotoluene	11.360	91	204153	48.443 ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	237040	50.087 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	25061	48.803 ug/l		97
82) 4-Chlorotoluene	11.451	91	233003	49.589 ug/l		100
83) tert-Butylbenzene	11.713	119	234833	50.120 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	239508	50.423 ug/l		100
85) sec-Butylbenzene	11.890	105	294171	51.118 ug/l		100
86) p-Isopropyltoluene	12.006	119	243819	51.391 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	116417	48.364 ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	116806	47.866 ug/l		99
89) n-Butylbenzene	12.329	91	221431	53.822 ug/l		100
90) Hexachloroethane	12.536	117	41335	50.695 ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	115059	48.079 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21534	51.215 ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	68376	51.329 ug/l		98
94) Hexachlorobutadiene	13.719	225	29358	51.144 ug/l		99
95) Naphthalene	13.774	128	251217	50.677 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	70089	50.247 ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

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

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

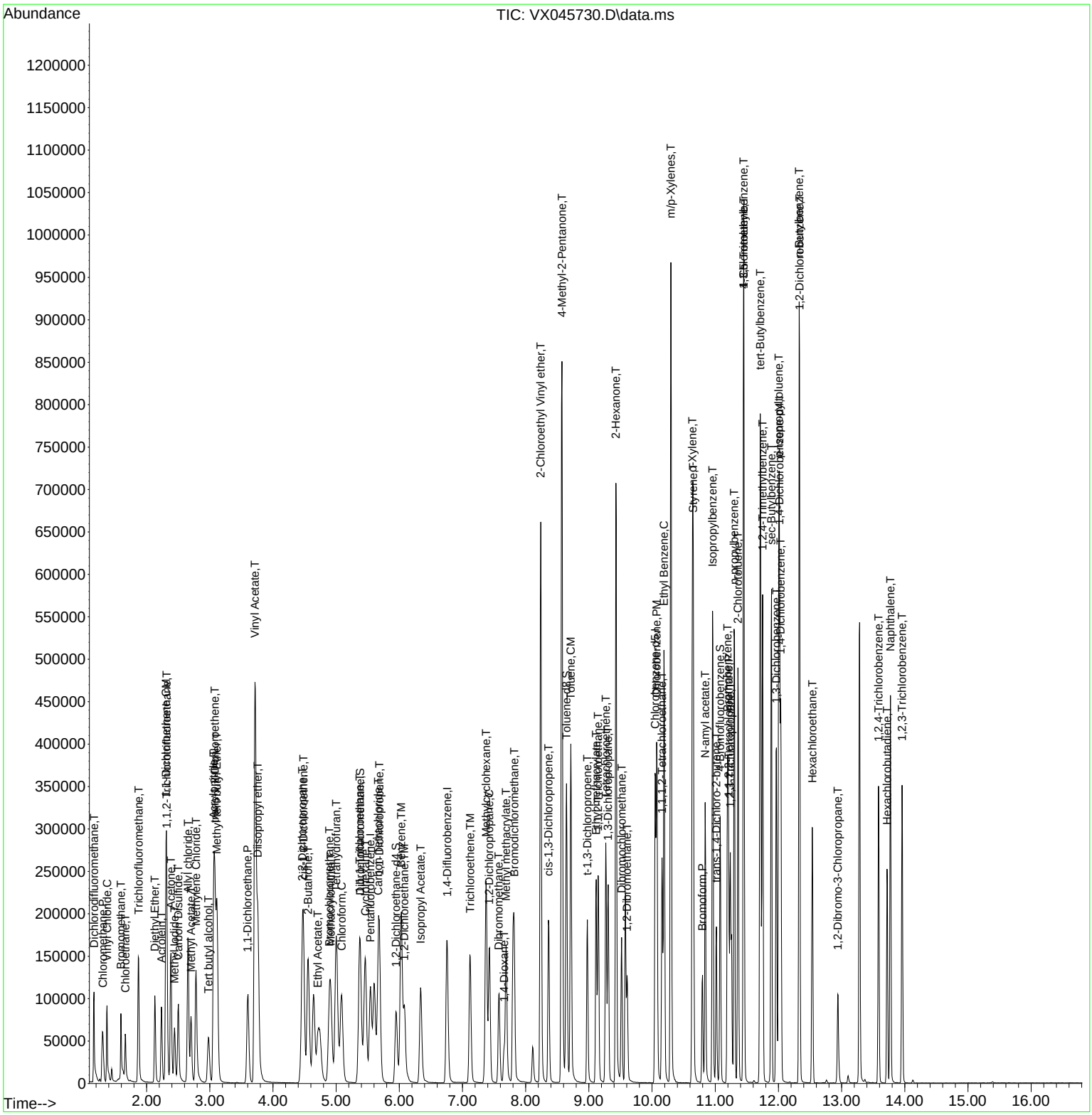
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Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

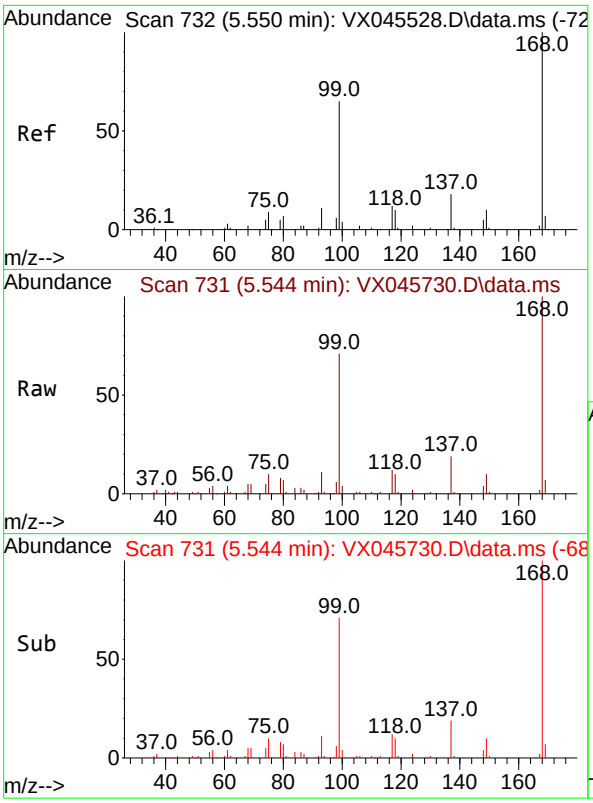
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Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
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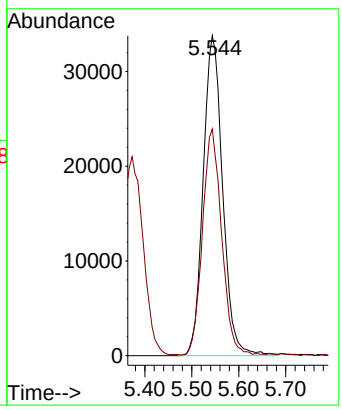




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:168 Resp: 9728

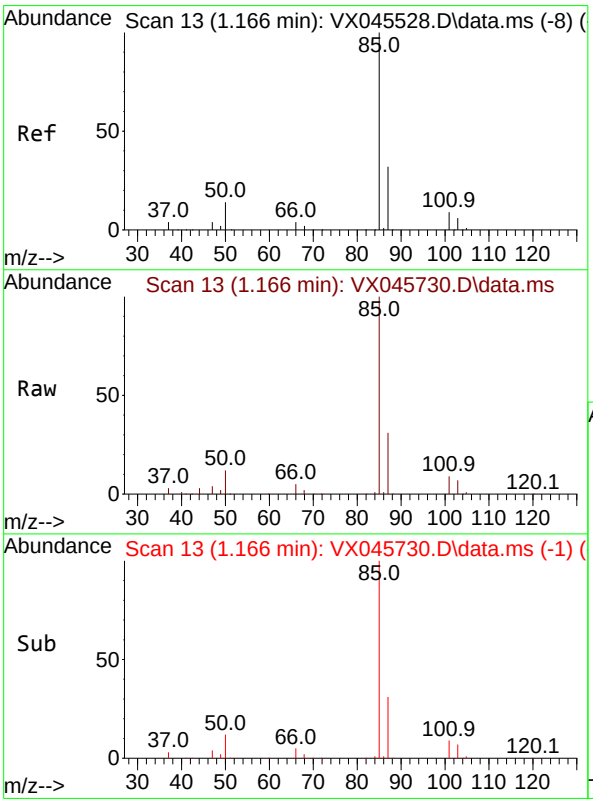
Ion	Ratio	Lower	Upper
168	100		
99	70.5	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

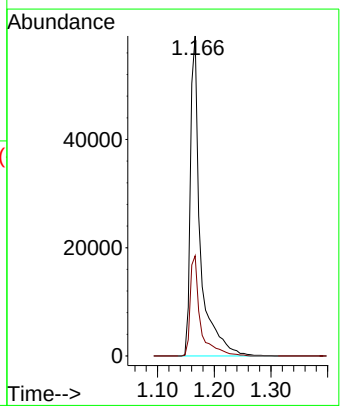
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

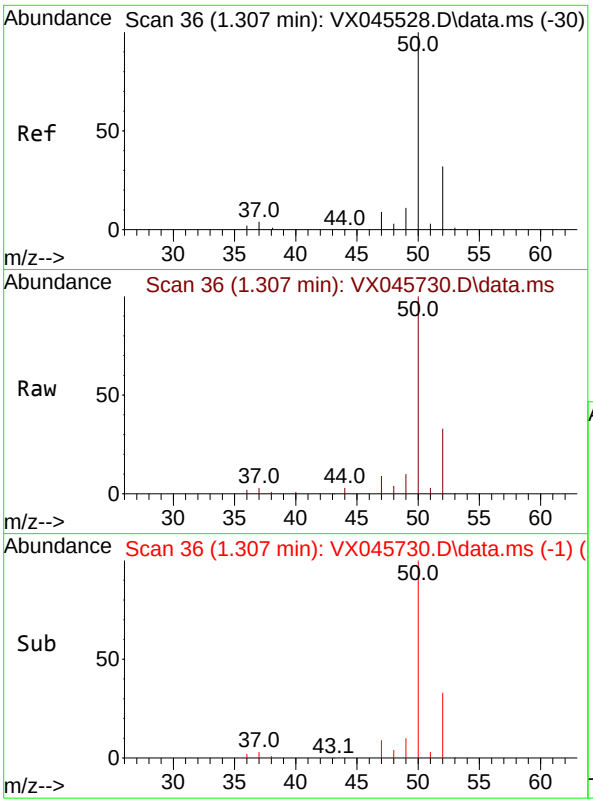


#2
Dichlorodifluoromethane
Concen: 49.789 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 85 Resp: 72437

Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.1	48.2

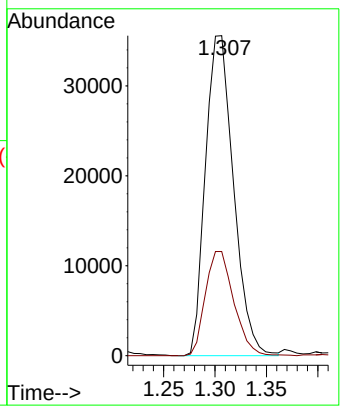




#3
Chloromethane
Concen: 45.273 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 50 Resp: 6766

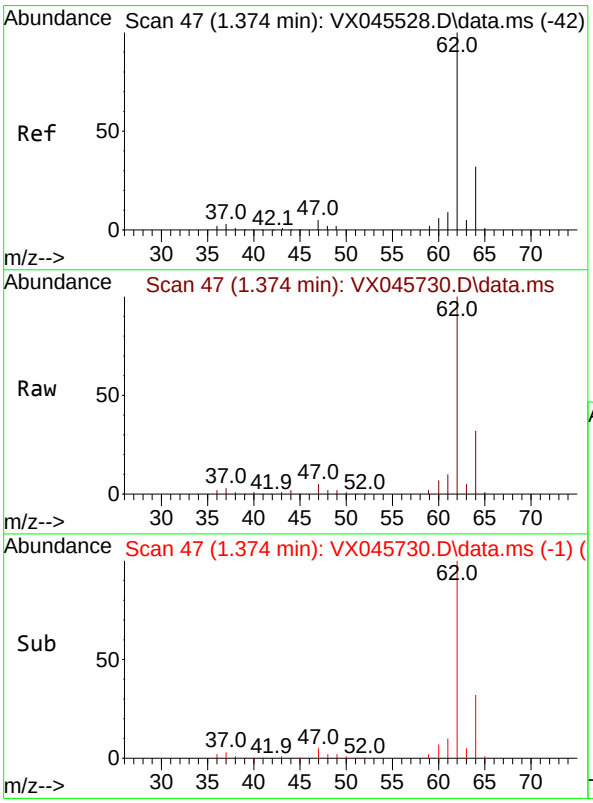
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

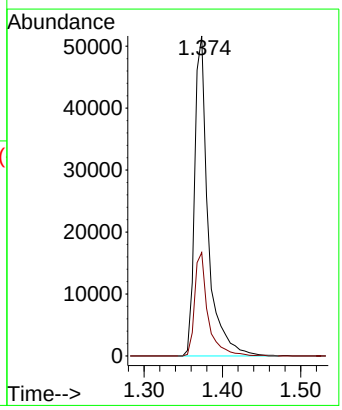
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

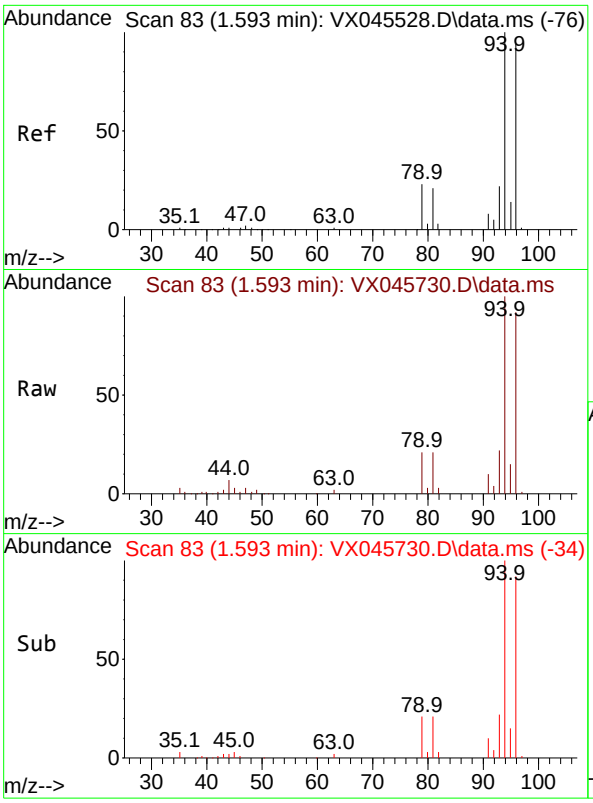


#4
Vinyl Chloride
Concen: 45.237 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 62 Resp: 61876

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.5	38.3

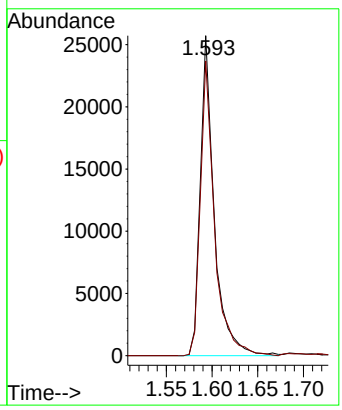




#5
Bromomethane
Concen: 42.032 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 94 Resp: 2726

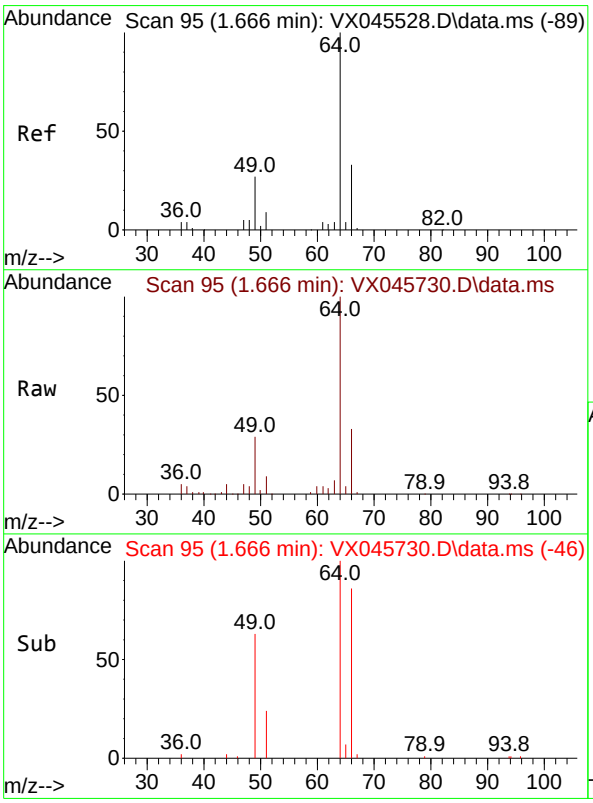
Ion	Ratio	Lower	Upper
94	100		
96	92.1	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

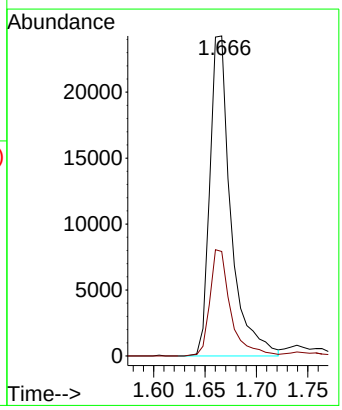
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

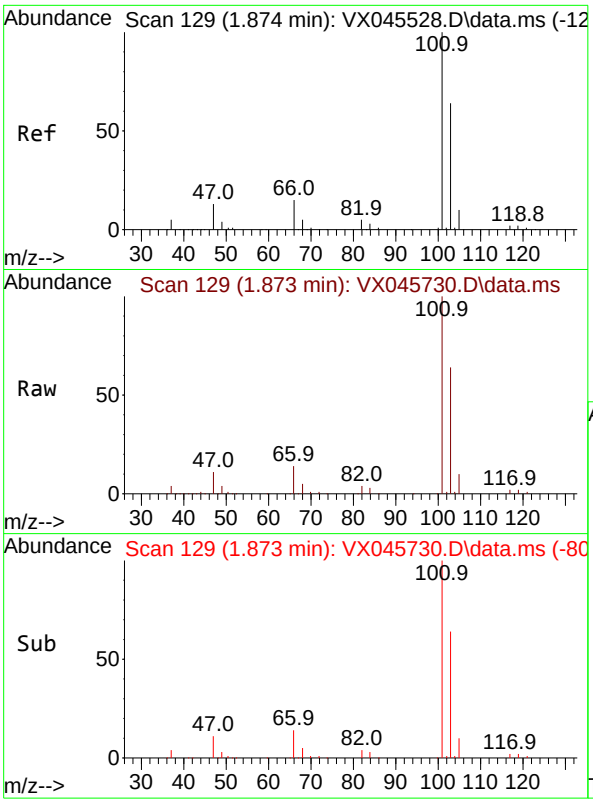


#6
Chloroethane
Concen: 47.617 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 64 Resp: 34556

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.3	39.5

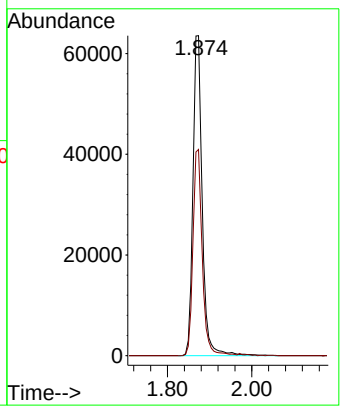




#7
Trichlorofluoromethane
Concen: 47.866 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:101 Resp: 9763

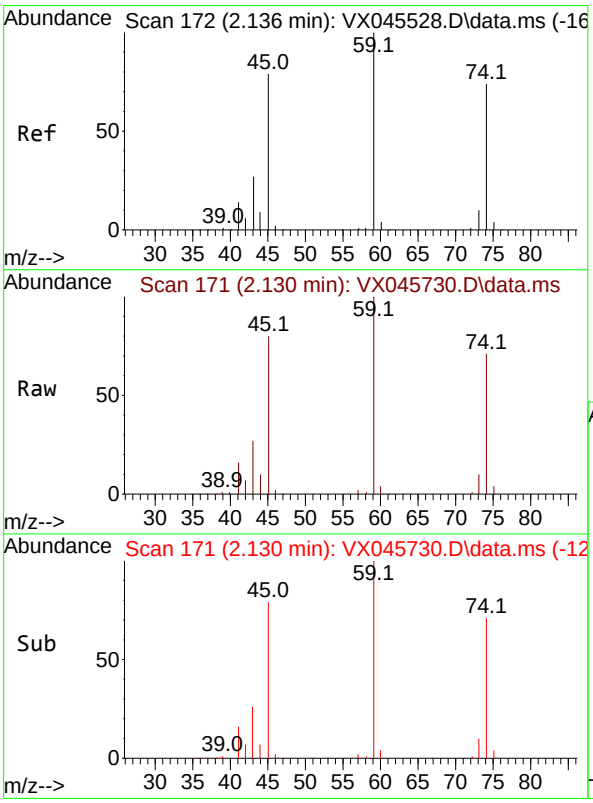
Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

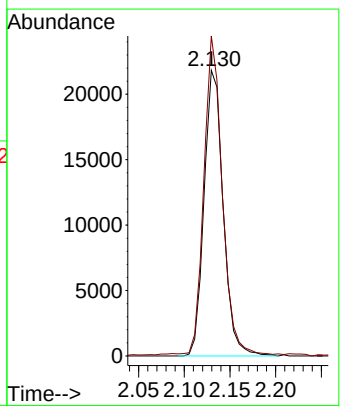
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

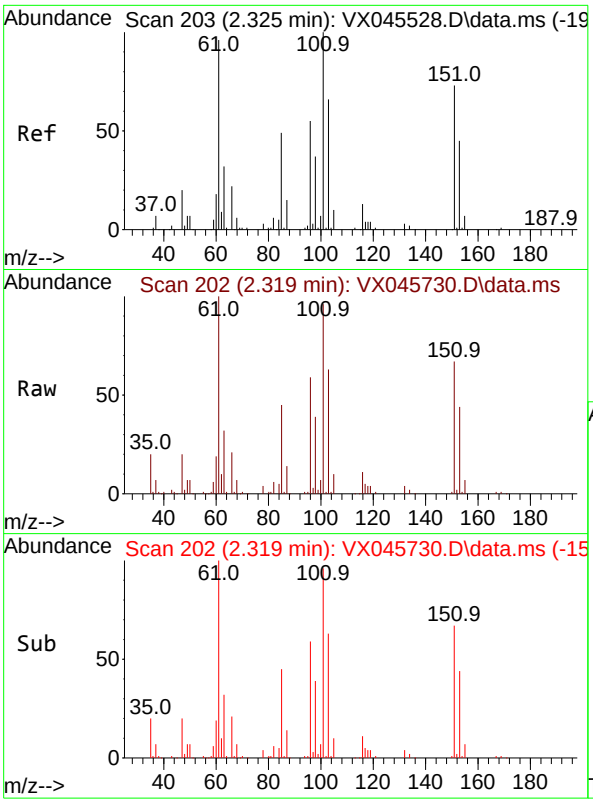


#8
Diethyl Ether
Concen: 46.277 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 74 Resp: 31690

Ion	Ratio	Lower	Upper
74	100		
45	107.5	53.0	159.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.246 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

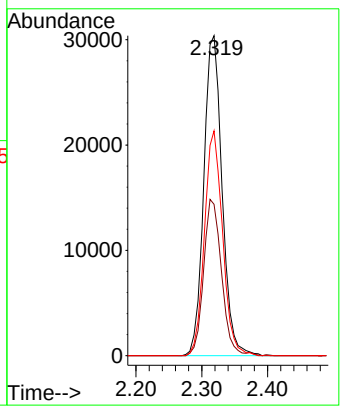
Tgt Ion:101 Resp: 5885

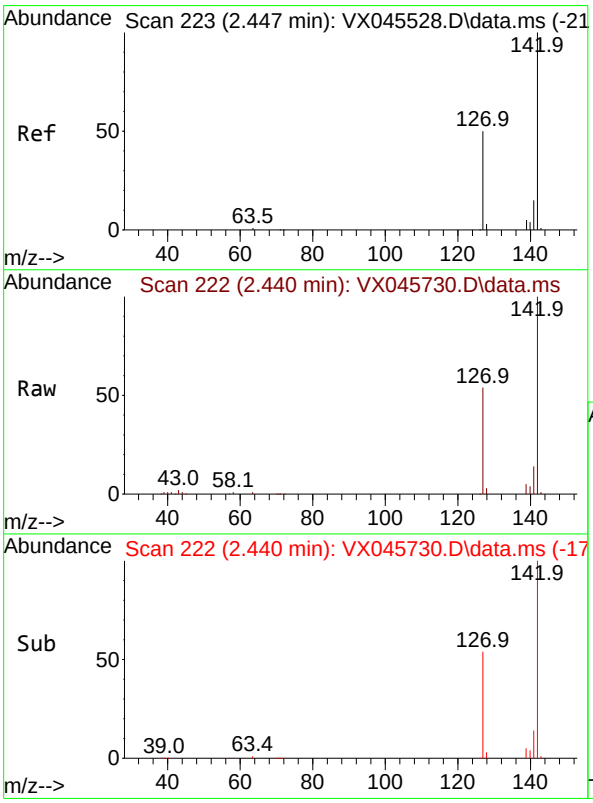
Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.9	58.3
151	69.5	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

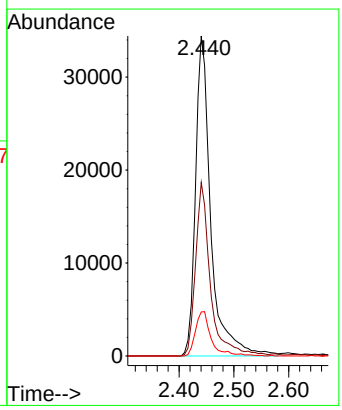


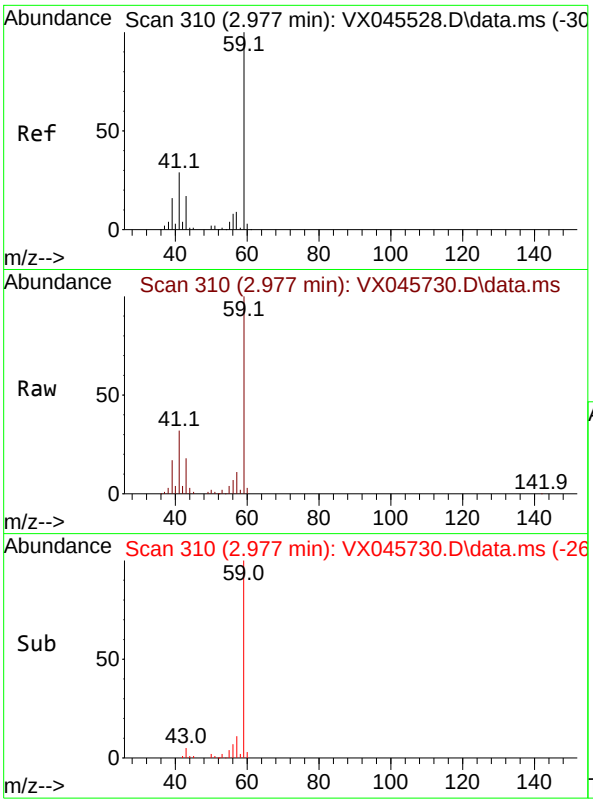


#10
Methyl Iodide
Concen: 45.000 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:142 Resp: 67086

Ion	Ratio	Lower	Upper
142	100		
127	52.4	40.2	60.4
141	14.2	11.7	17.5





#11
Tert butyl alcohol
Concen: 252.369 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

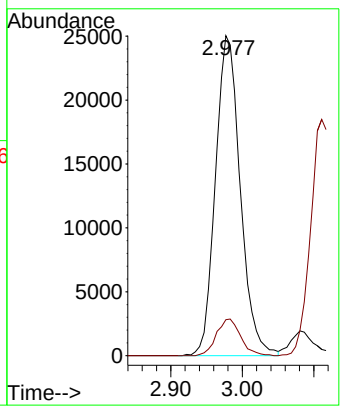
Tgt Ion: 59 Resp: 6033

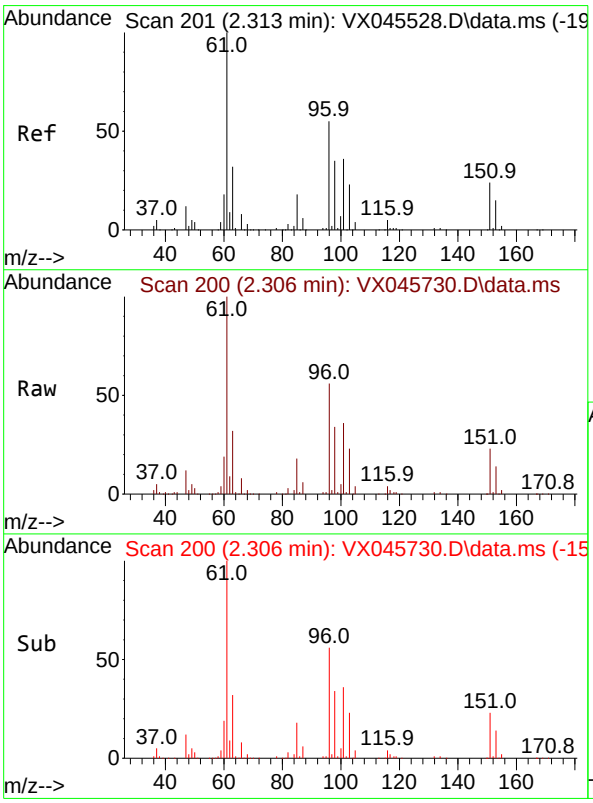
Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

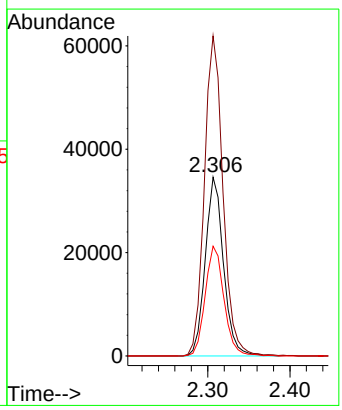


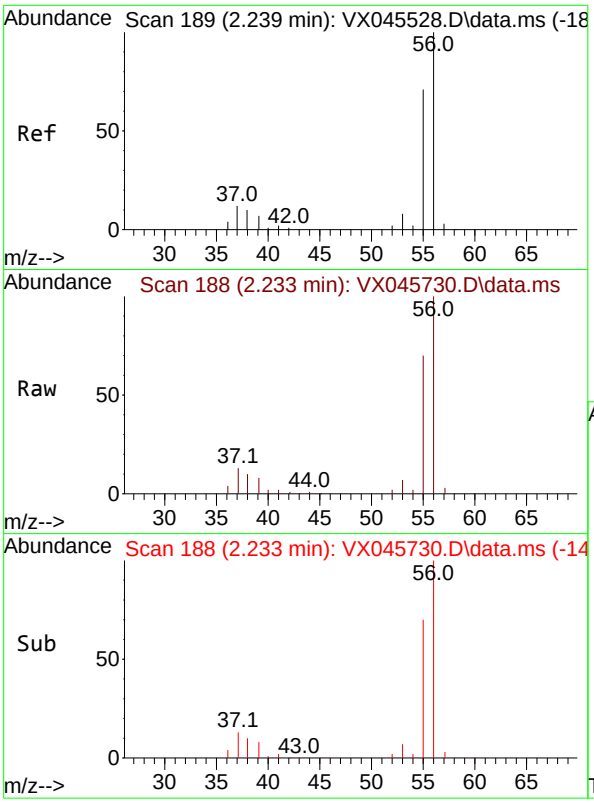


#12
1,1-Dichloroethene
Concen: 45.743 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 96 Resp: 53422

Ion	Ratio	Lower	Upper
96	100		
61	179.0	145.7	218.5
98	61.4	51.6	77.4

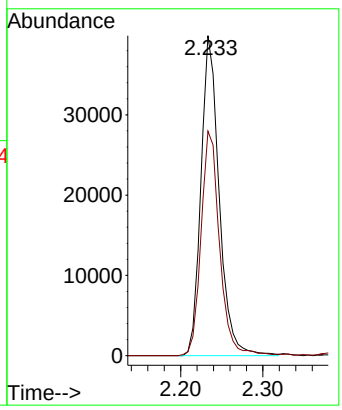




#13
Acrolein
Concen: 186.241 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 56 Resp: 6131

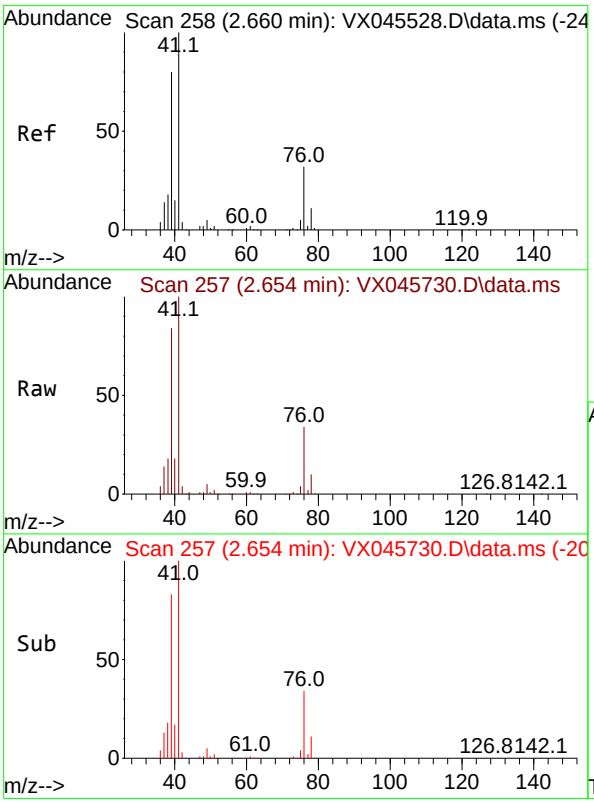
Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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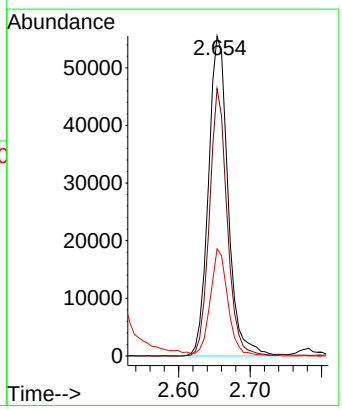
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

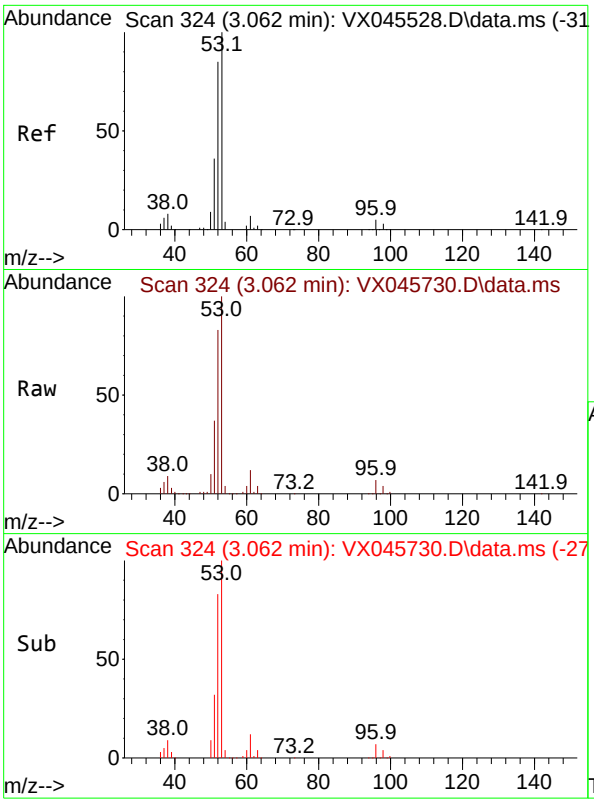


#14
Allyl chloride
Concen: 47.870 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 41 Resp: 106077

Ion	Ratio	Lower	Upper
41	100		
39	75.3	60.2	90.2
76	30.2	24.6	36.8





#15
Acrylonitrile
Concen: 237.140 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

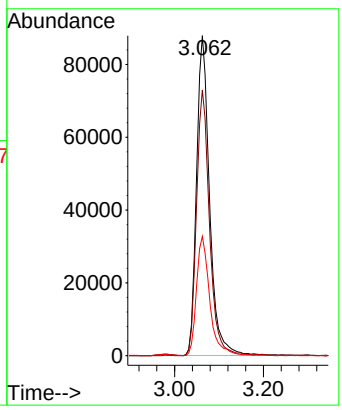
Tgt Ion: 53 Resp: 17897

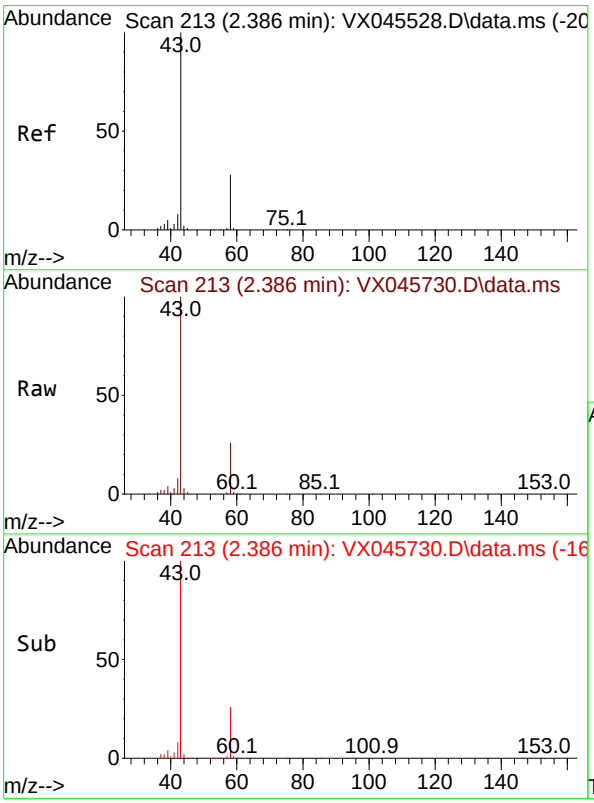
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.4	101.2
51	38.2	29.9	44.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

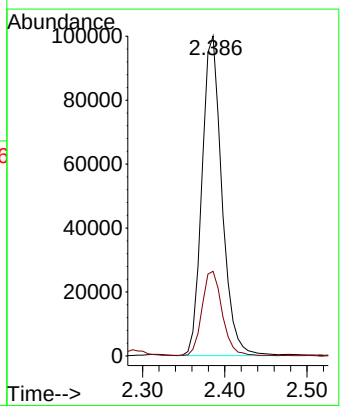


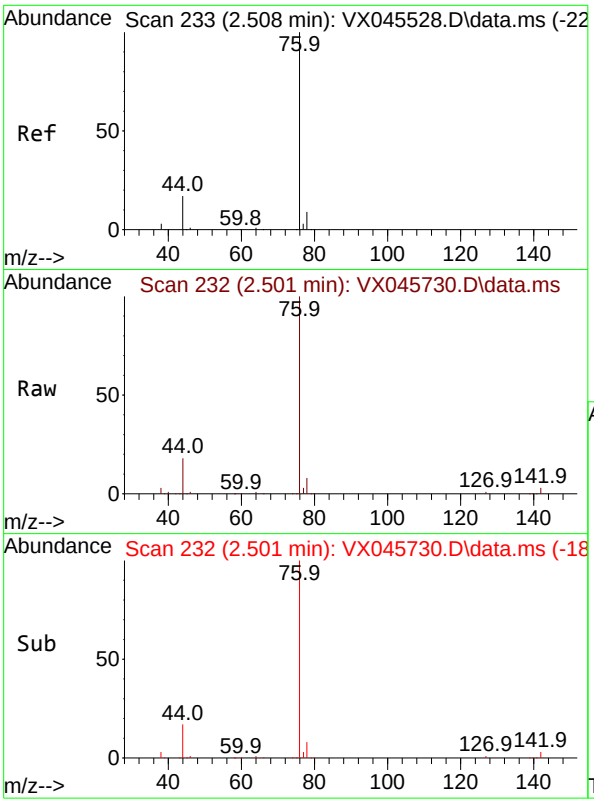


#16
Acetone
Concen: 230.867 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 168655

Ion	Ratio	Lower	Upper
43	100		
58	26.4	22.3	33.5





#17
Carbon Disulfide
Concen: 40.054 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

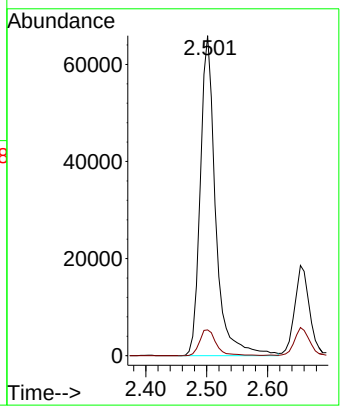
Tgt Ion: 76 Resp: 11553

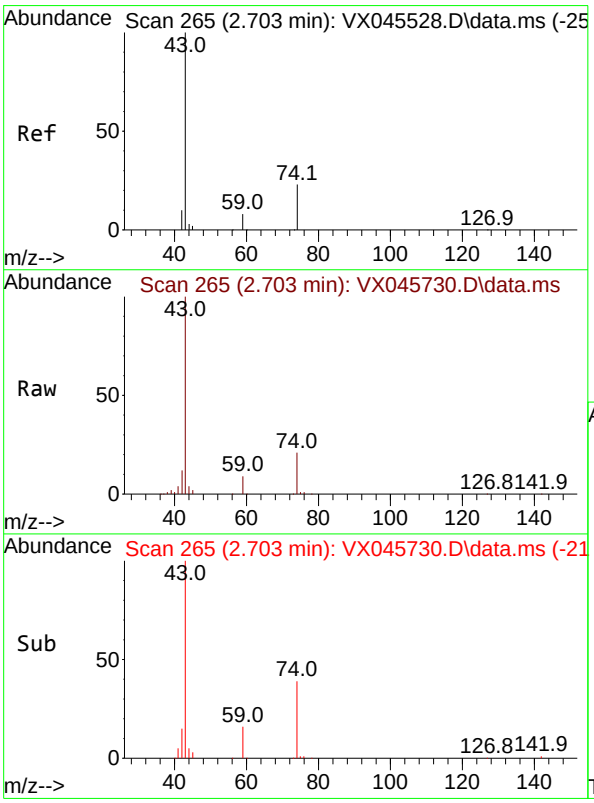
Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

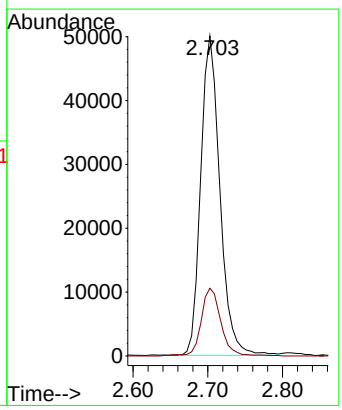


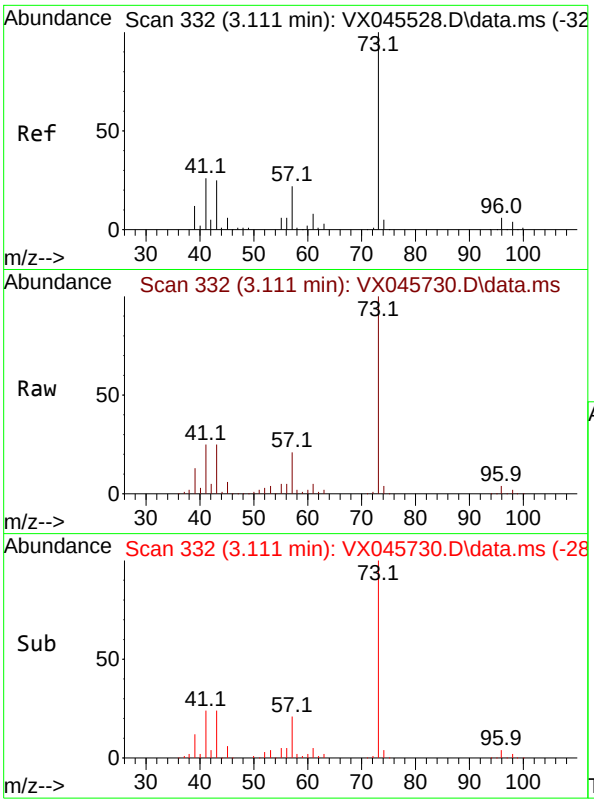


#18
Methyl Acetate
Concen: 52.996 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 89137

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.5	26.3

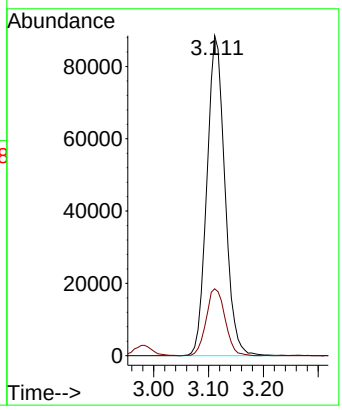




#19
Methyl tert-butyl Ether
Concen: 49.222 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 73 Resp: 20109

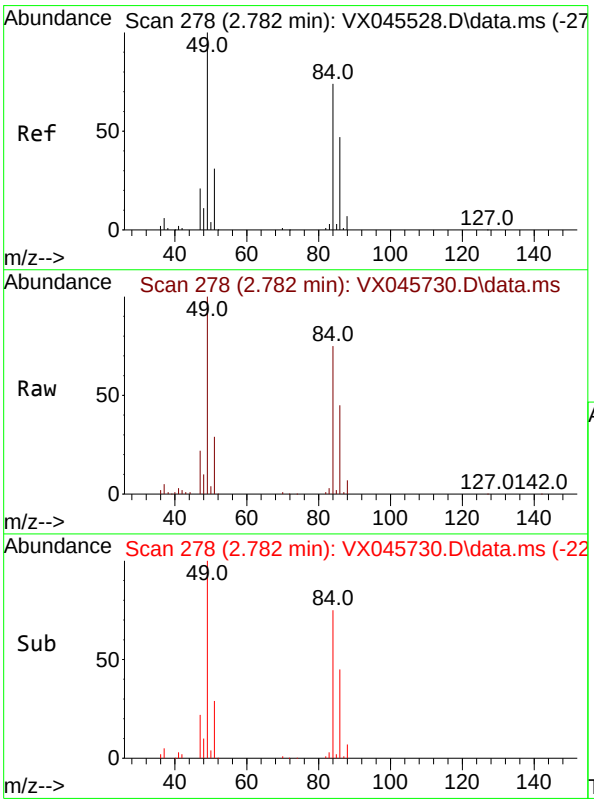
Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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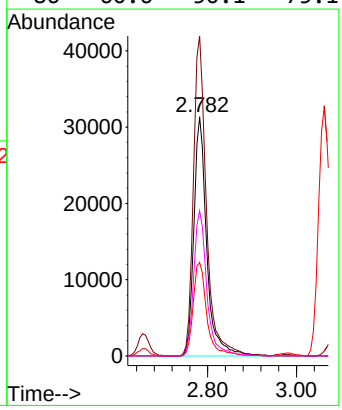
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

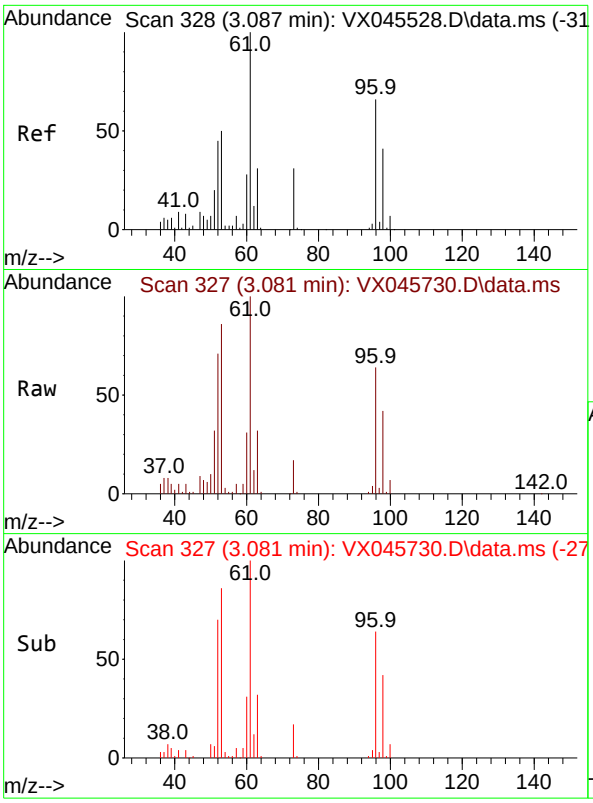


#20
Methylene Chloride
Concen: 46.141 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 84 Resp: 63104

Ion	Ratio	Lower	Upper
84	100		
49	133.8	107.5	161.3
51	39.1	33.0	49.6
86	60.6	50.1	75.1

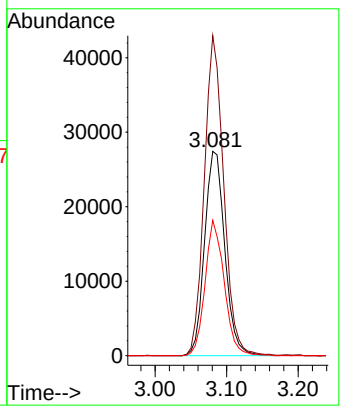




#21
trans-1,2-Dichloroethene
Concen: 45.197 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 96 Resp: 5392

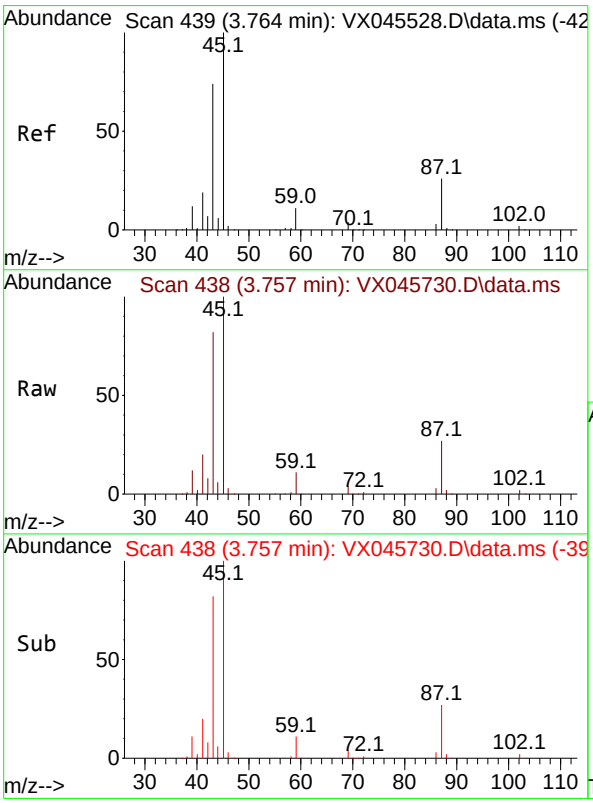
Ion	Ratio	Lower	Upper
96	100		
61	156.7	121.0	181.6
98	66.2	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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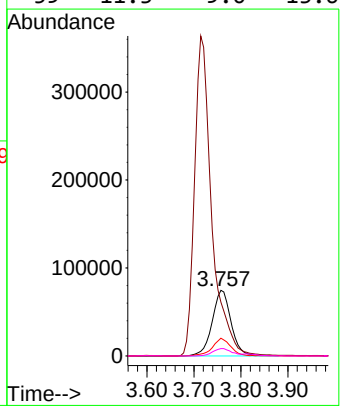
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

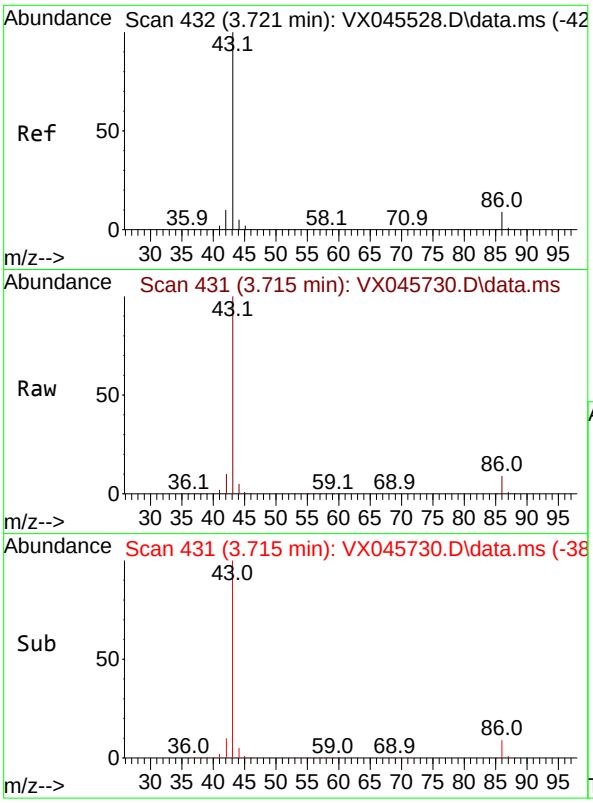


#22
Diisopropyl ether
Concen: 47.818 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 45 Resp: 208728

Ion	Ratio	Lower	Upper
45	100		
43	82.0	59.3	88.9
87	27.2	20.4	30.6
59	11.3	9.0	13.6





#23
Vinyl Acetate
Concen: 246.059 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

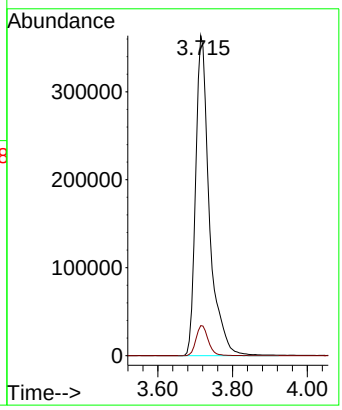
Tgt Ion: 43 Resp: 92797

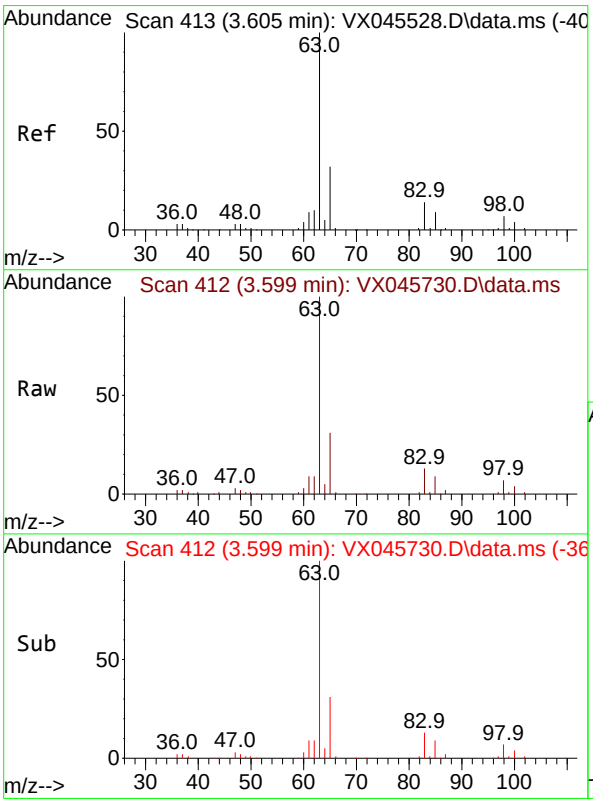
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

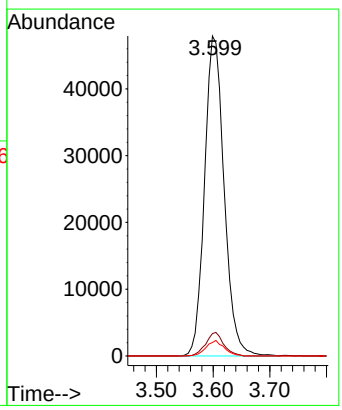


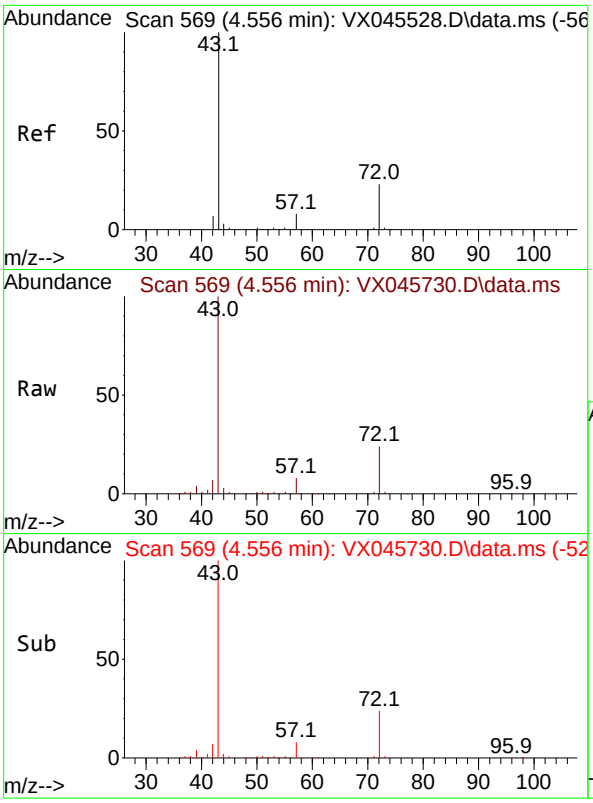


#24
1,1-Dichloroethane
Concen: 46.549 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 63 Resp: 114911

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.2	2.2	6.6

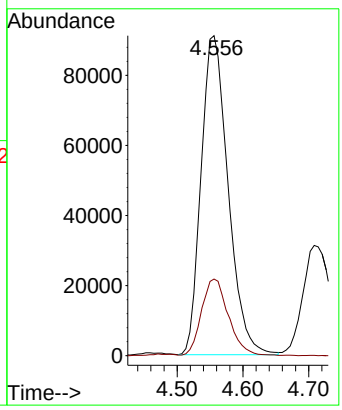




#25
2-Butanone
Concen: 243.647 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 26054

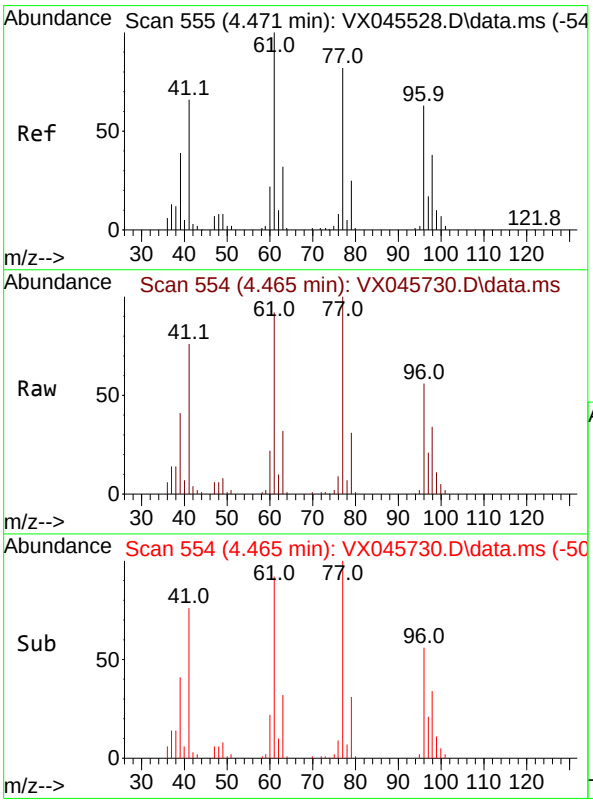
Ion	Ratio	Lower	Upper
43	100		
72	23.9	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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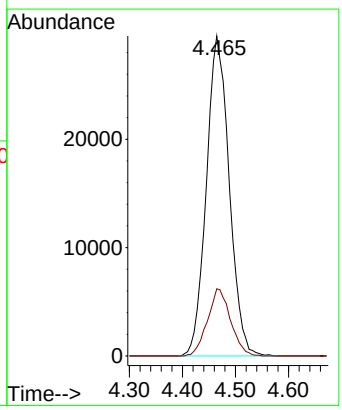
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

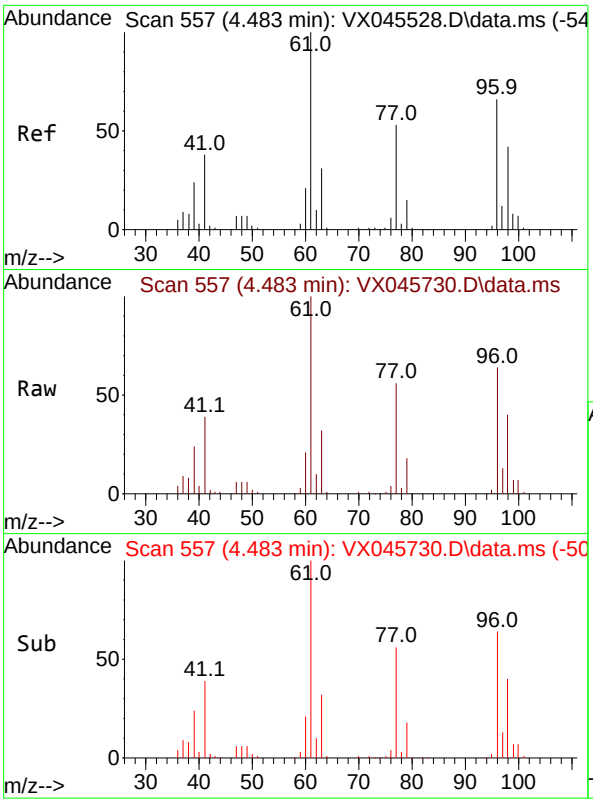


#26
2,2-Dichloropropane
Concen: 55.416 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 77 Resp: 88385

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8





#27
cis-1,2-Dichloroethene
Concen: 45.644 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

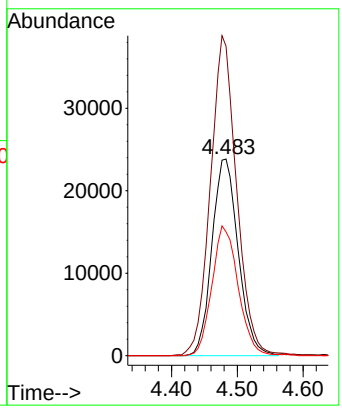
Tgt Ion: 96 Resp: 6635

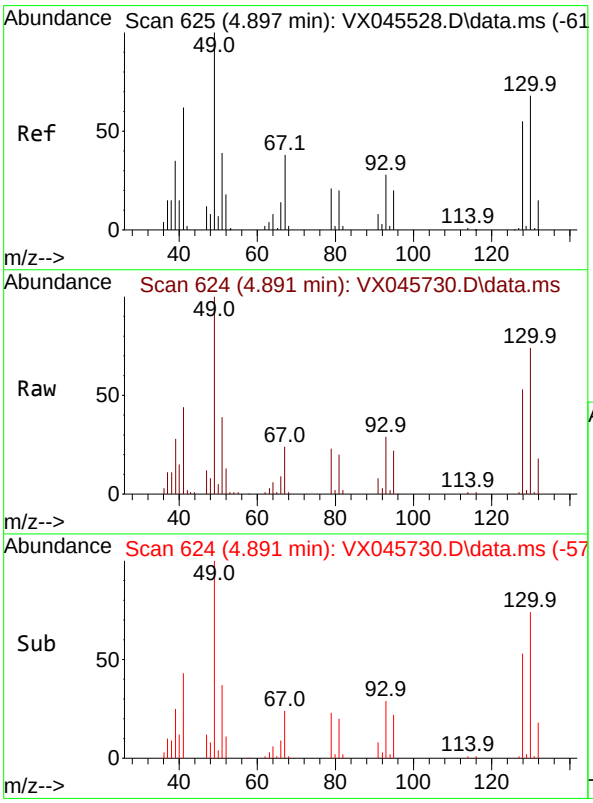
Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	313.2
98	66.0	0.0	126.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

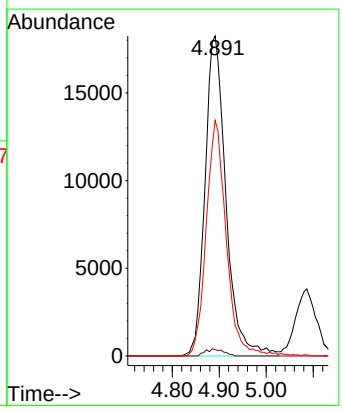


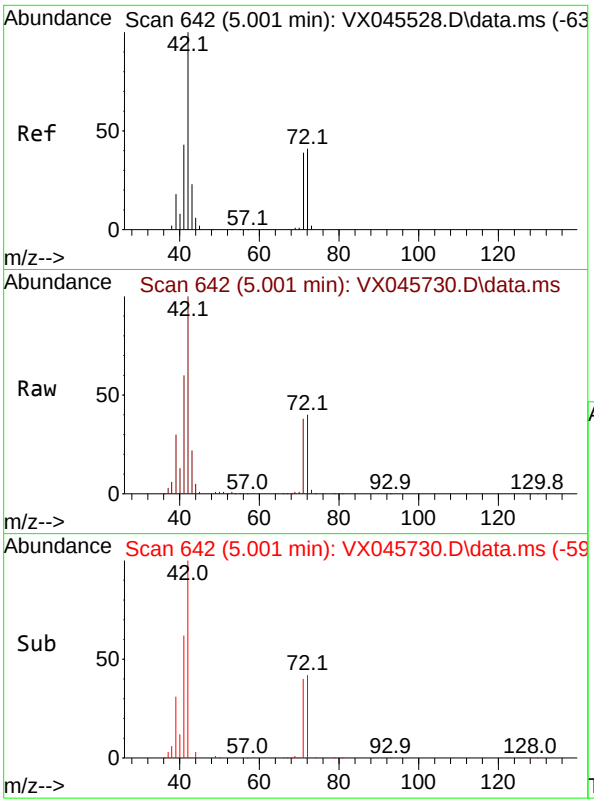


#28
Bromochloromethane
Concen: 47.331 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 49 Resp: 56463

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	69.6	54.6	81.8





#29
Tetrahydrofuran
Concen: 236.531 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

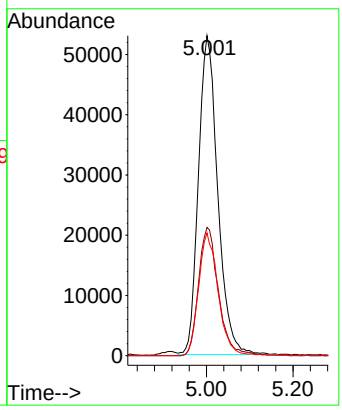
Tgt Ion: 42 Resp: 16398

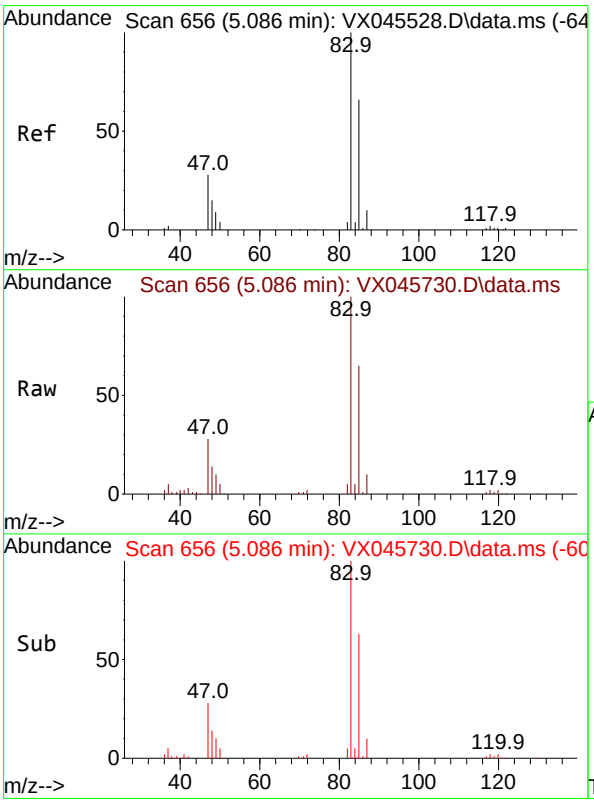
Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.4	50.0
71	38.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

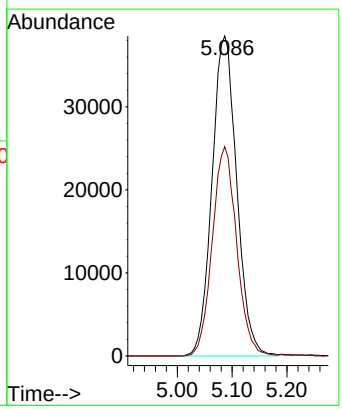


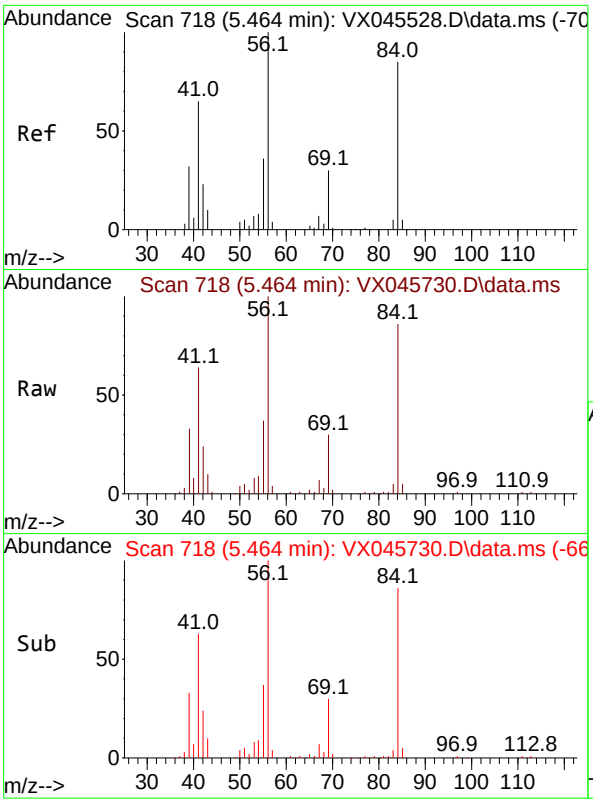


#30
Chloroform
Concen: 47.500 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 83 Resp: 120655

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.8	79.2





#31
Cyclohexane
Concen: 45.918 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

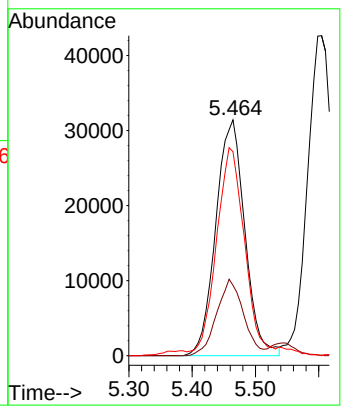
Tgt Ion: 56 Resp: 10020

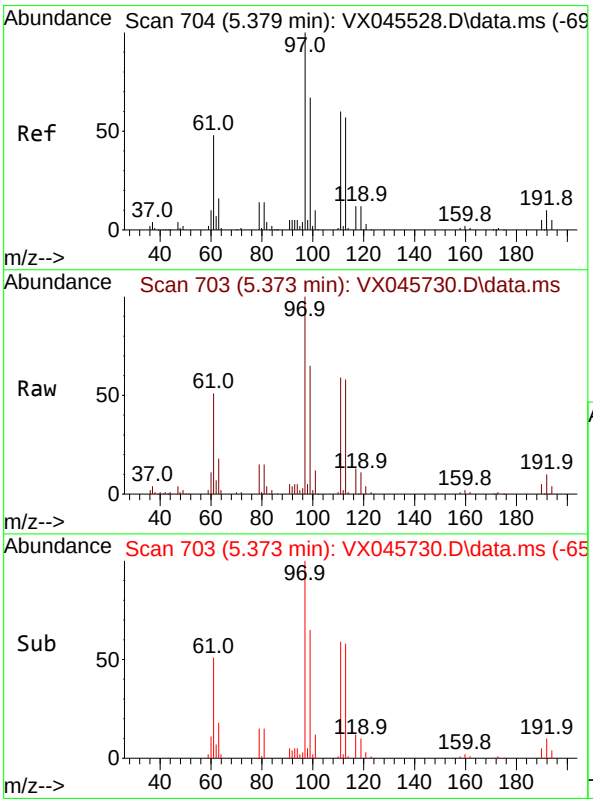
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.6	35.4
84	84.4	67.7	101.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

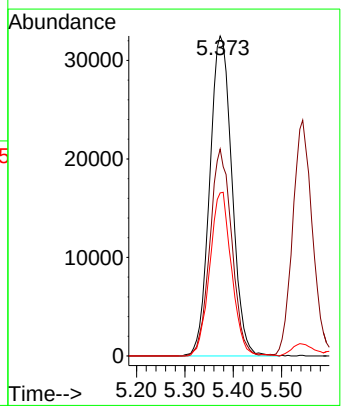


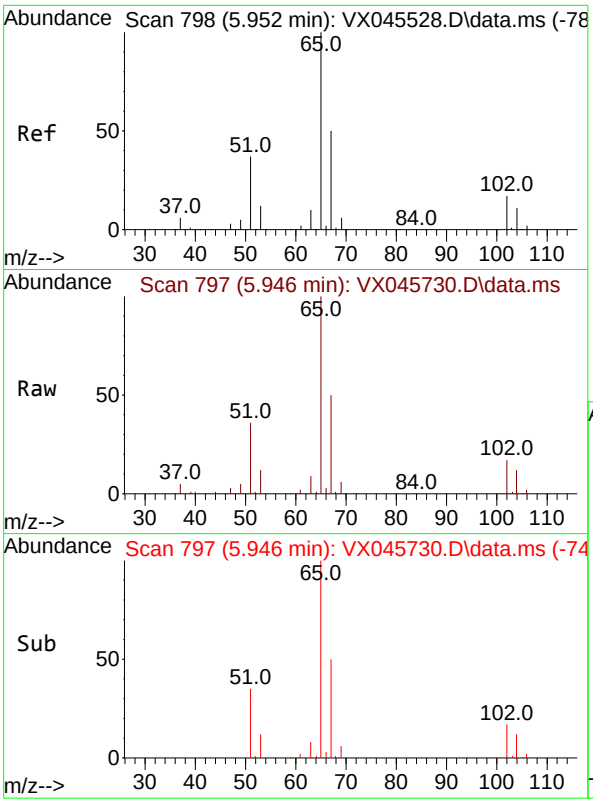


#32
1,1,1-Trichloroethane
Concen: 48.281 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 97 Resp: 103773

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.7	77.5
61	50.3	41.0	61.4

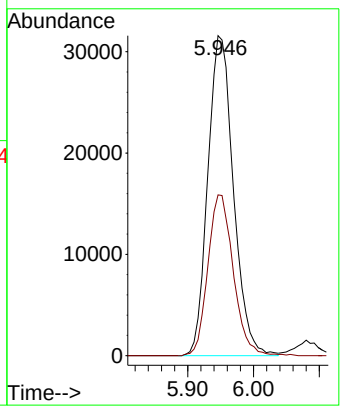




#33
1,2-Dichloroethane-d4
Concen: 48.100 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 65 Resp: 8557

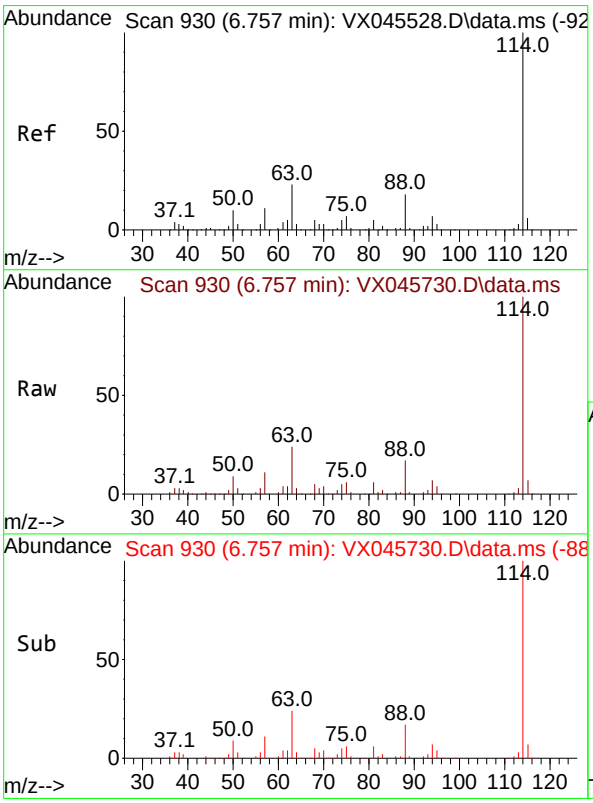
Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

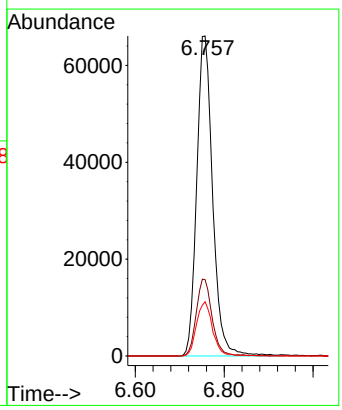
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

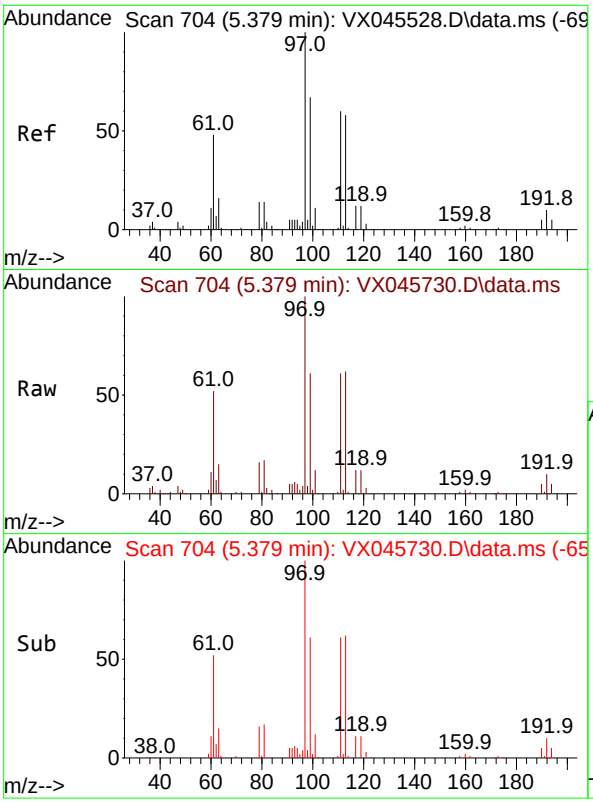


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:114 Resp: 164714

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	46.8
88	17.0	0.0	35.4

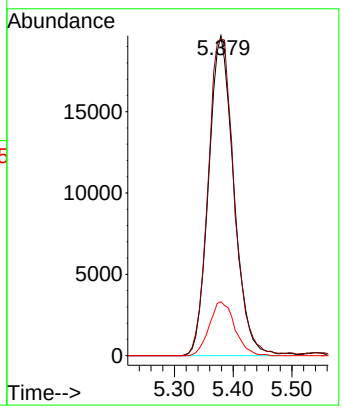




#35
Dibromofluoromethane
Concen: 49.847 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:113 Resp: 5825

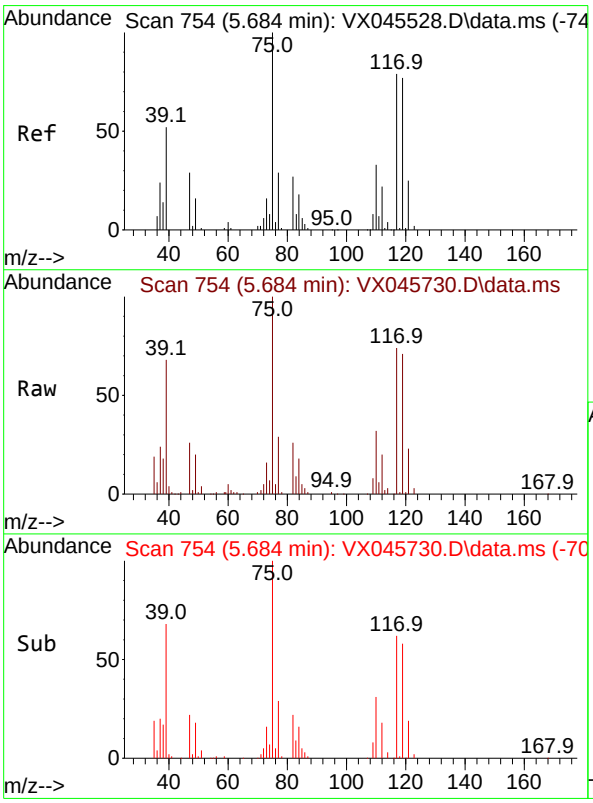
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	17.2	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

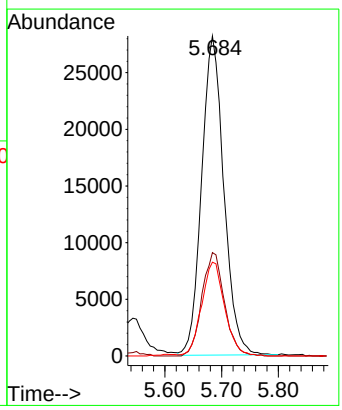
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

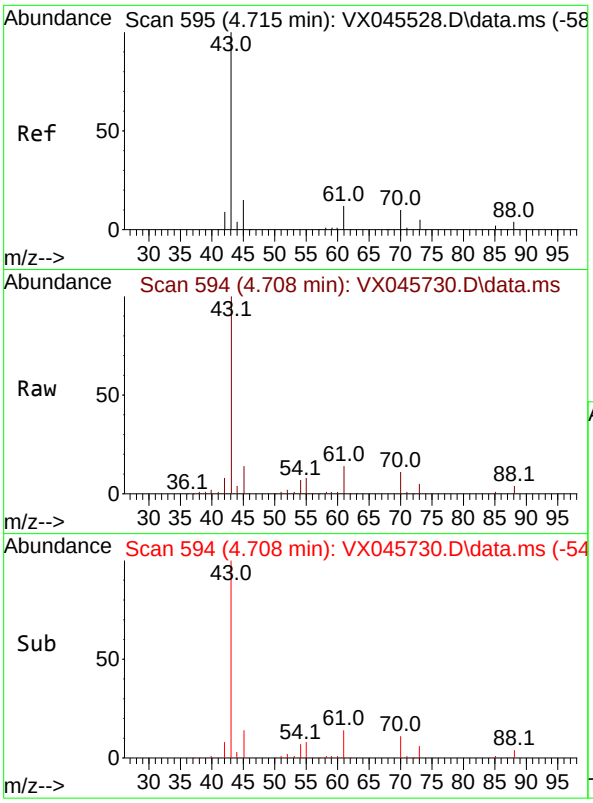


#36
1,1-Dichloropropene
Concen: 48.508 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 76541

Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.9	50.6
77	30.6	25.0	37.4

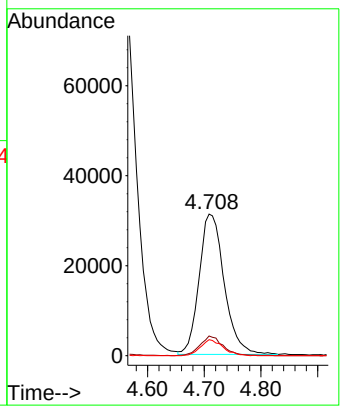




#37
Ethyl Acetate
Concen: 48.194 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 9583

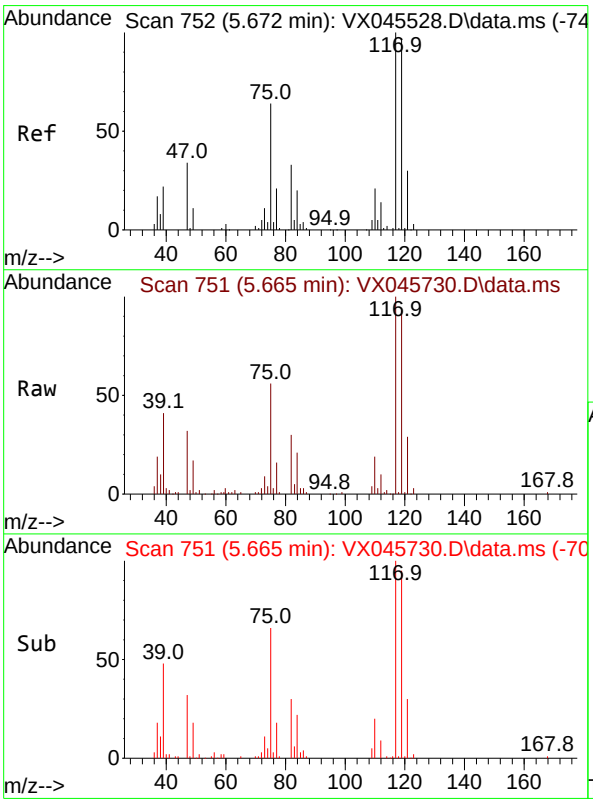
Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.9	14.9
70	10.1	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

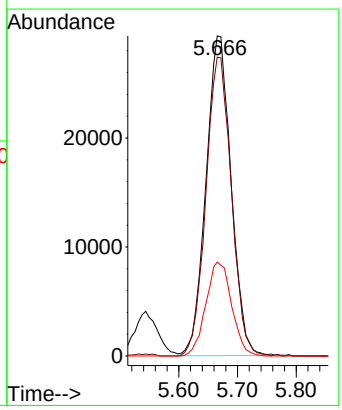
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

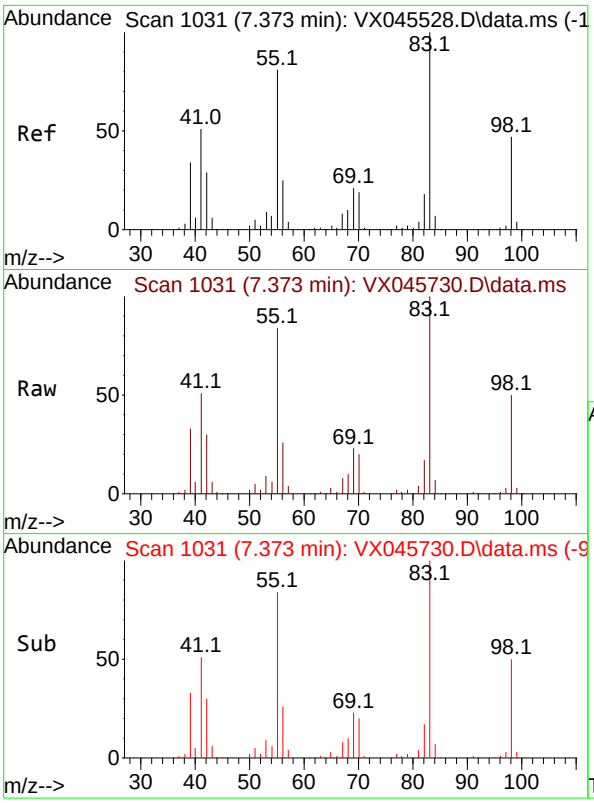


#38
Carbon Tetrachloride
Concen: 51.101 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:117 Resp: 87144

Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.9	115.3
121	29.4	24.2	36.2

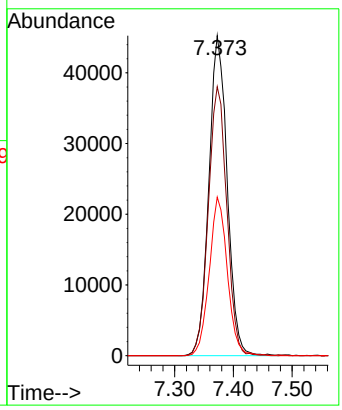




#39
Methylcyclohexane
Concen: 50.764 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 83 Resp: 9818

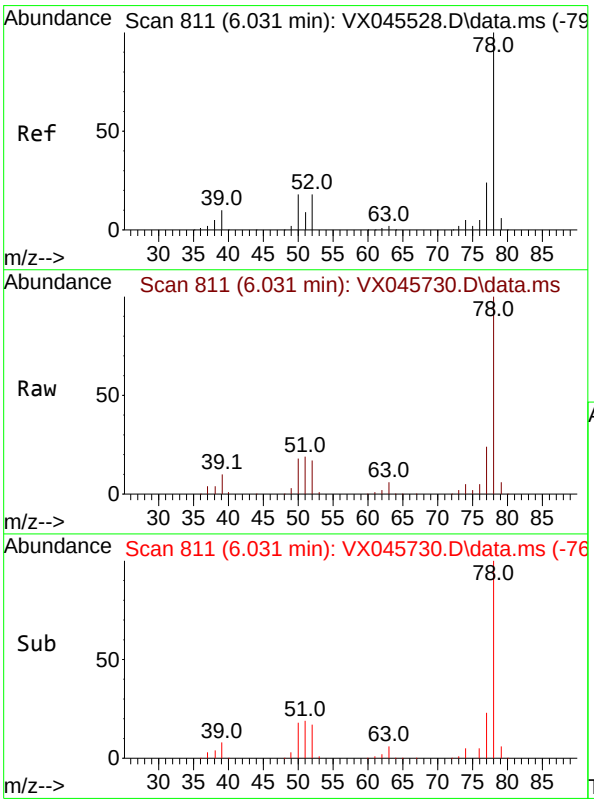
Ion	Ratio	Lower	Upper
83	100		
55	84.1	64.9	97.3
98	49.5	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

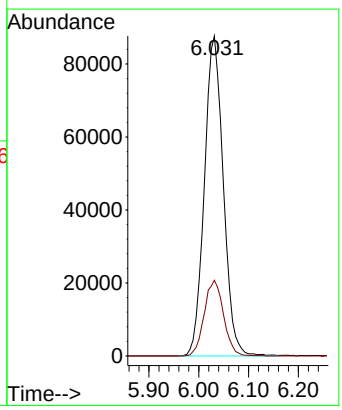
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

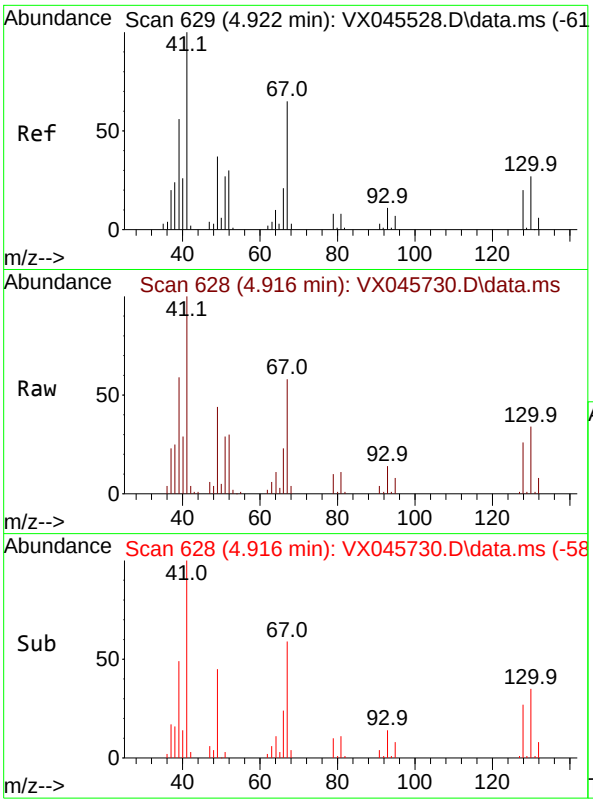


#40
Benzene
Concen: 47.983 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 78 Resp: 231234

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6

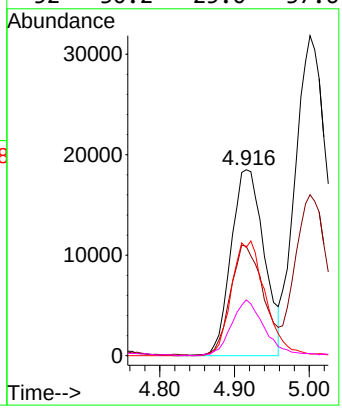




#41
Methacrylonitrile
Concen: 54.255 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 41 Resp: 5692

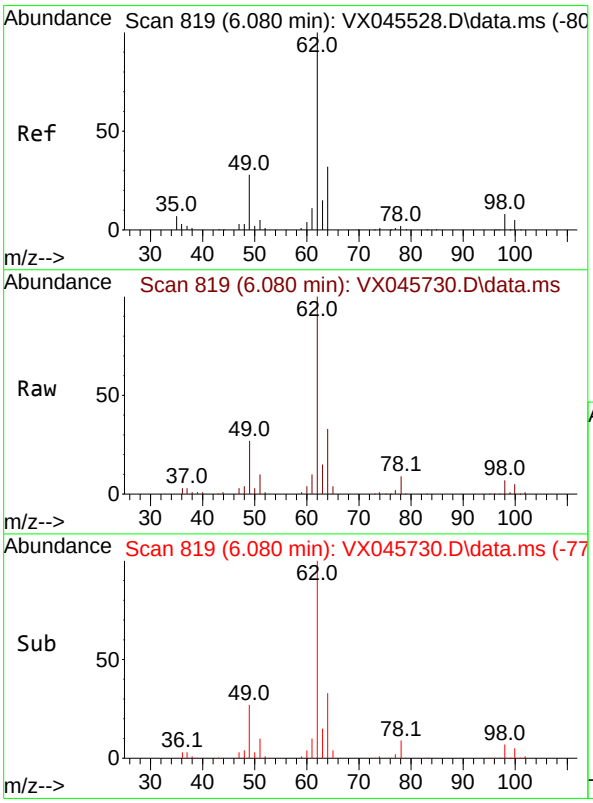
Ion	Ratio	Lower	Upper
41	100		
39	59.1	47.0	70.6
67	63.4	53.2	79.8
52	30.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

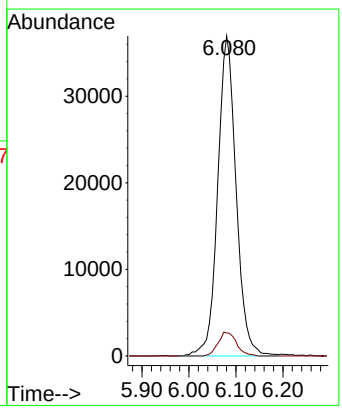
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

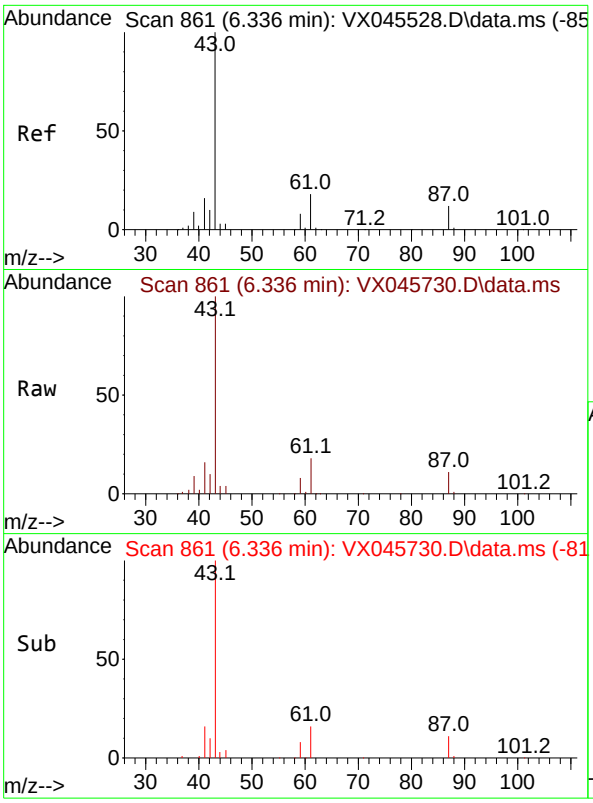


#42
1,2-Dichloroethane
Concen: 50.595 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 62 Resp: 100704

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2





#43
Isopropyl Acetate
Concen: 52.534 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

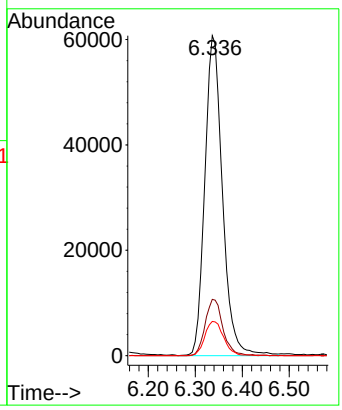
Tgt Ion: 43 Resp: 15832

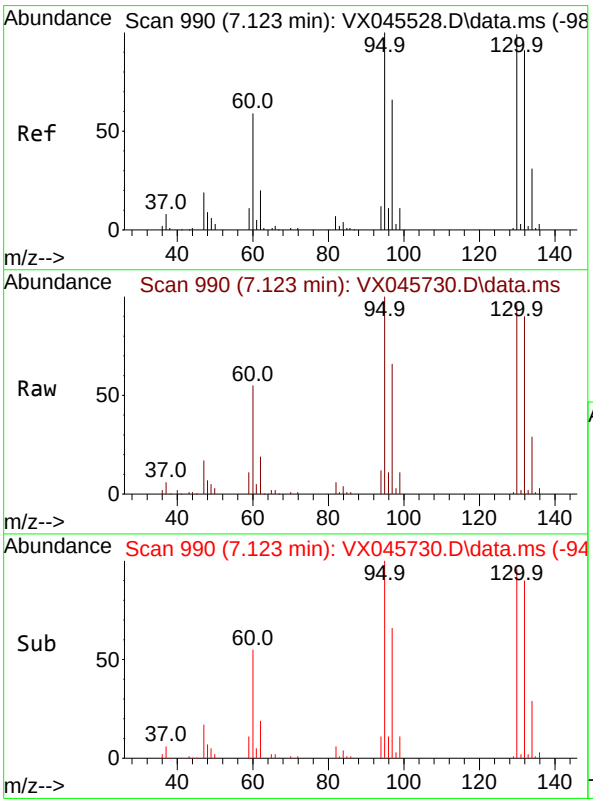
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.1	21.1
87	11.3	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

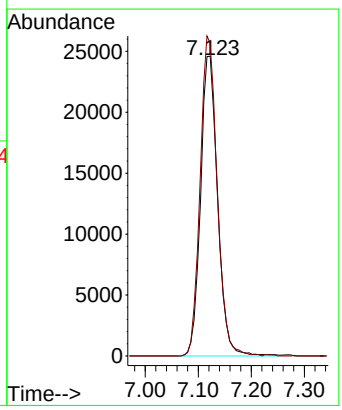


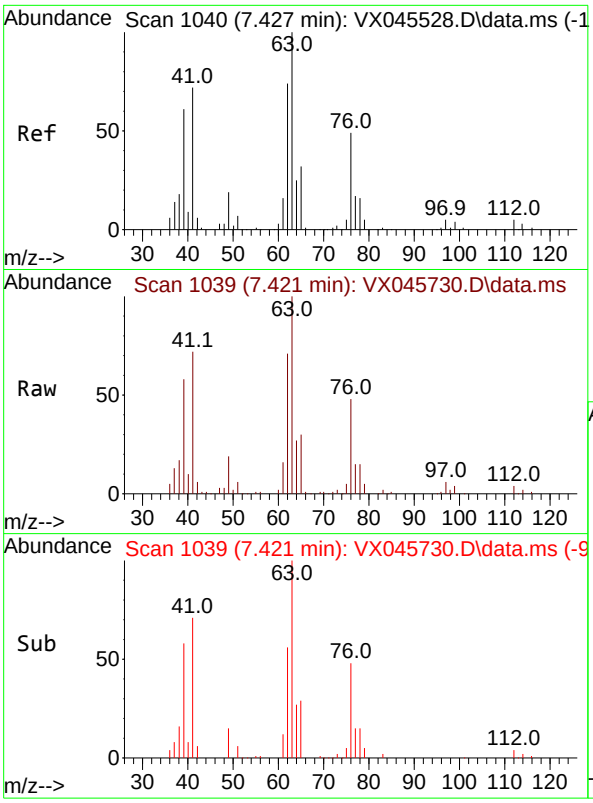


#44
Trichloroethene
Concen: 48.127 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:130 Resp: 55126

Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	202.0

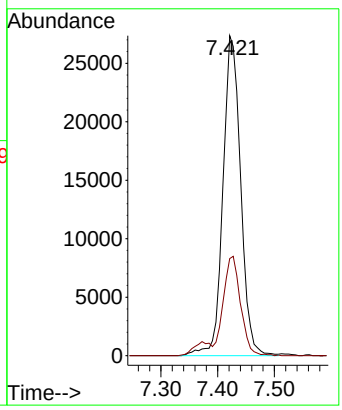




#45
1,2-Dichloropropane
Concen: 49.393 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 63 Resp: 5939

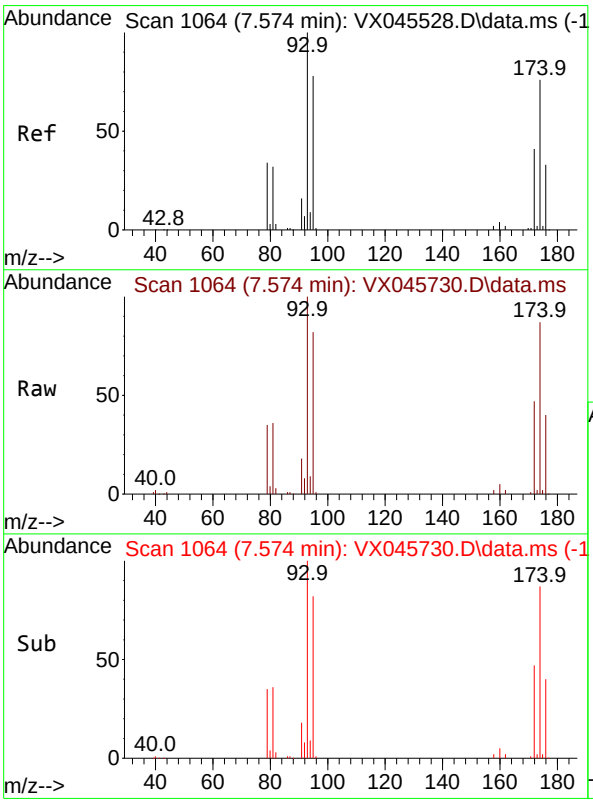
Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

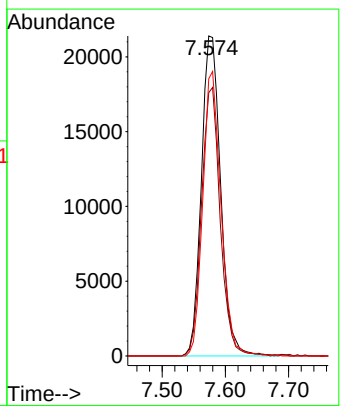
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

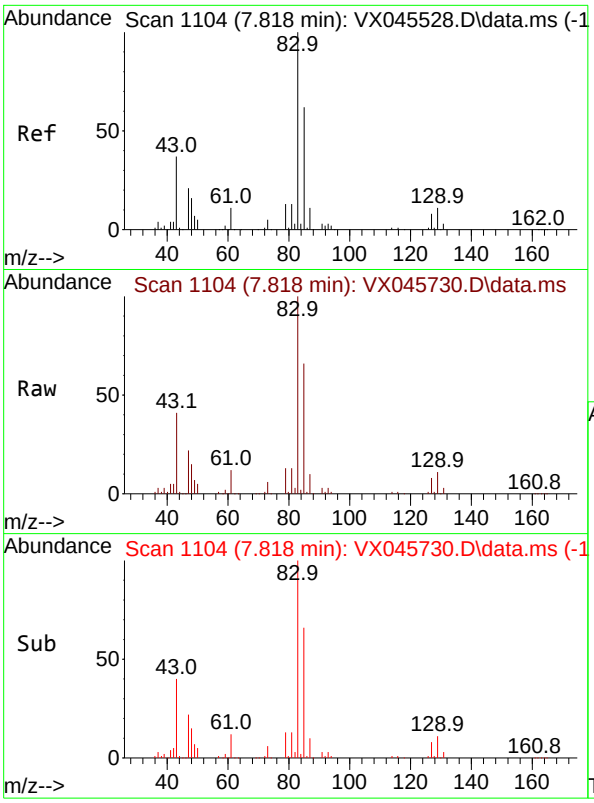


#46
Dibromomethane
Concen: 49.152 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 93 Resp: 45368

Ion	Ratio	Lower	Upper
93	100		
95	81.5	64.8	97.2
174	84.2	65.4	98.0

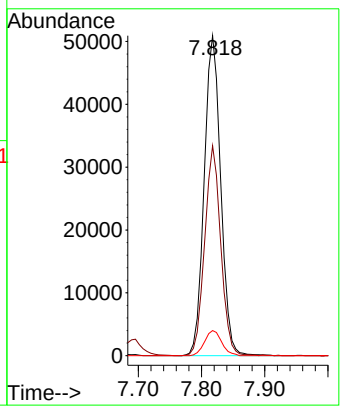




#47
Bromodichloromethane
Concen: 50.194 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 83 Resp: 9252

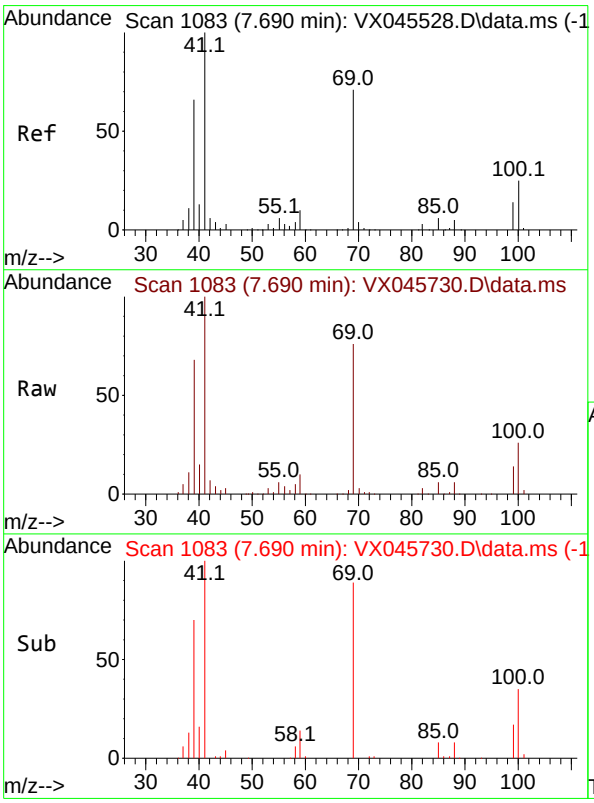
Ion	Ratio	Lower	Upper
83	100		
85	65.6	49.7	74.5
127	7.9	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

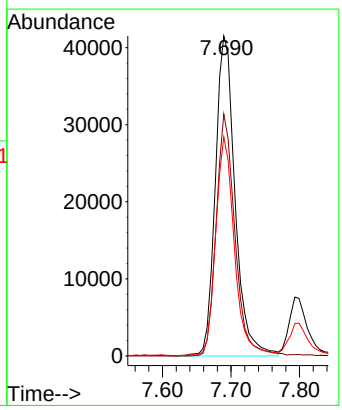
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

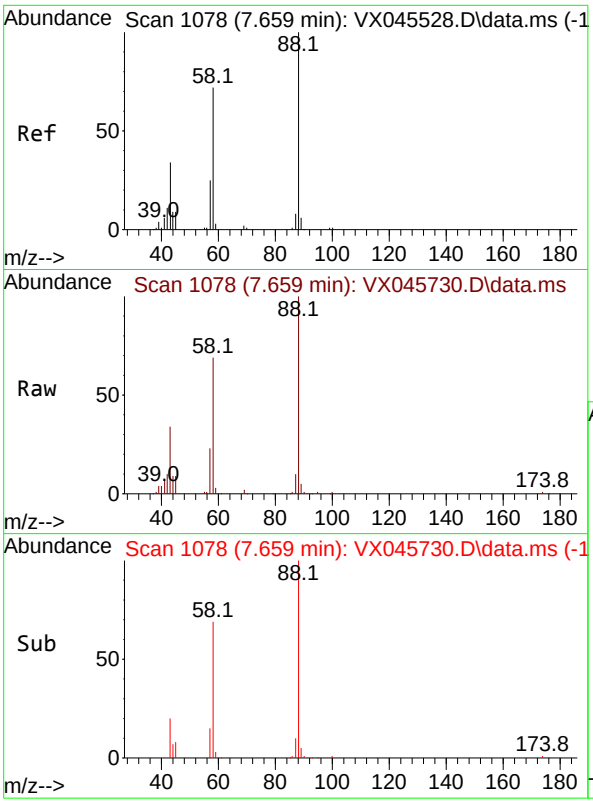


#48
Methyl methacrylate
Concen: 53.257 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 41 Resp: 82873

Ion	Ratio	Lower	Upper
41	100		
69	71.8	58.2	87.2
39	65.4	53.6	80.4

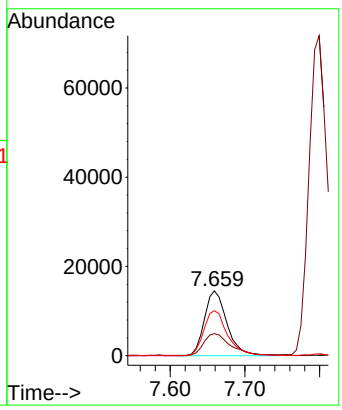




#49
1,4-Dioxane
Concen: 1080.494 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 88 Resp: 3042

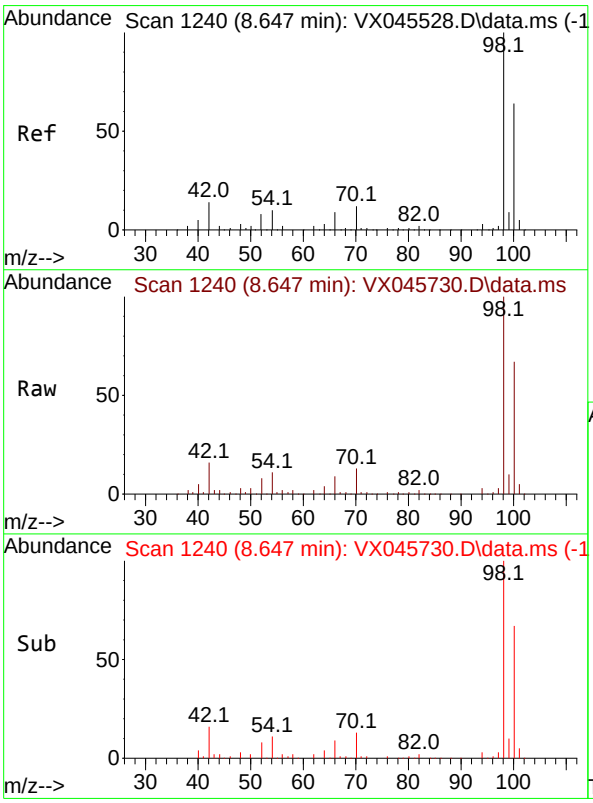
Ion	Ratio	Lower	Upper
88	100		
43	39.5	32.2	48.4
58	72.8	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

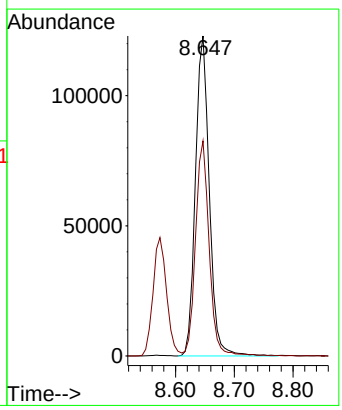
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

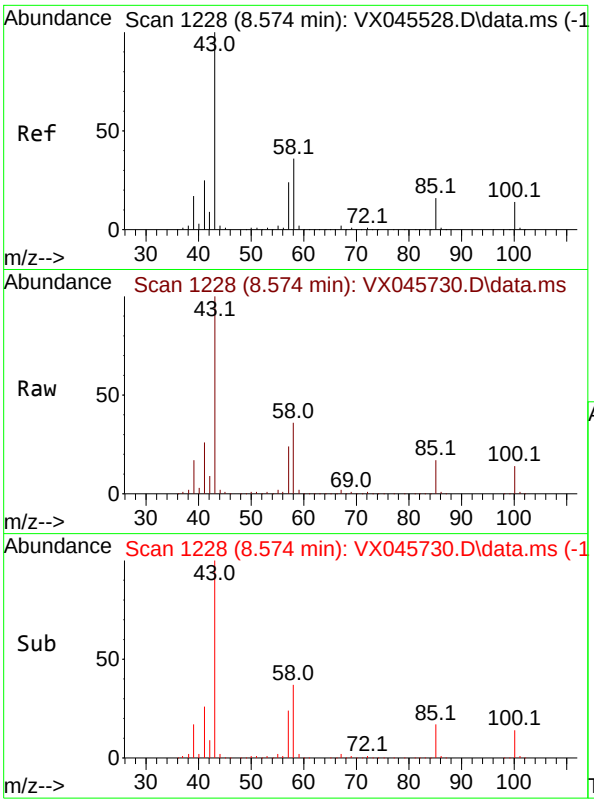


#50
Toluene-d8
Concen: 49.525 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 98 Resp: 202013

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4

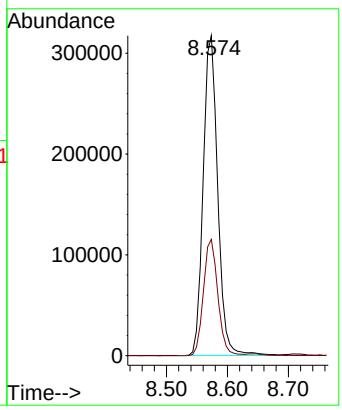




#51
4-Methyl-2-Pentanone
Concen: 263.661 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 52677

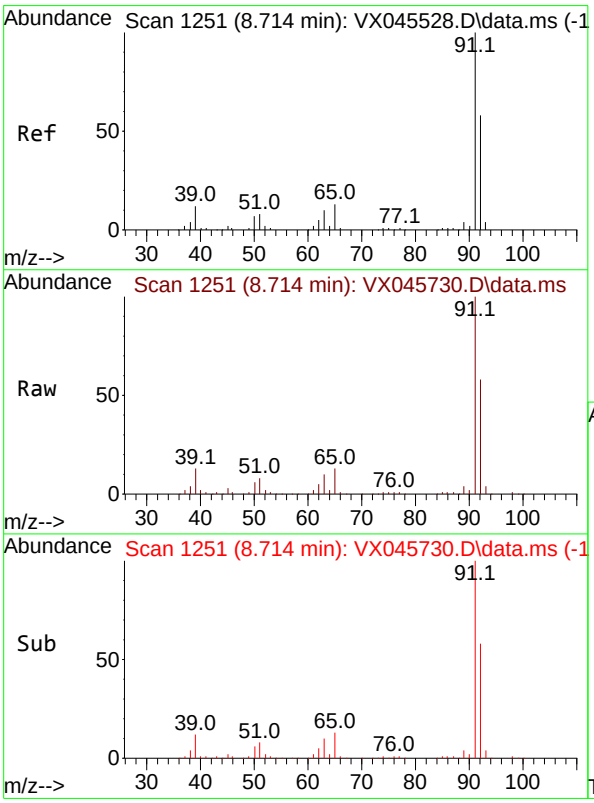
Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

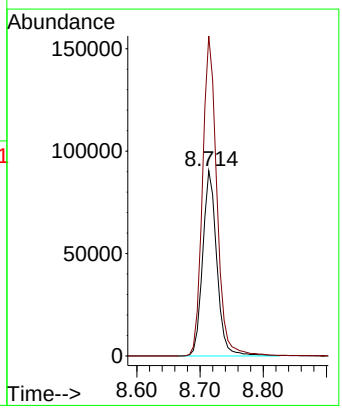
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

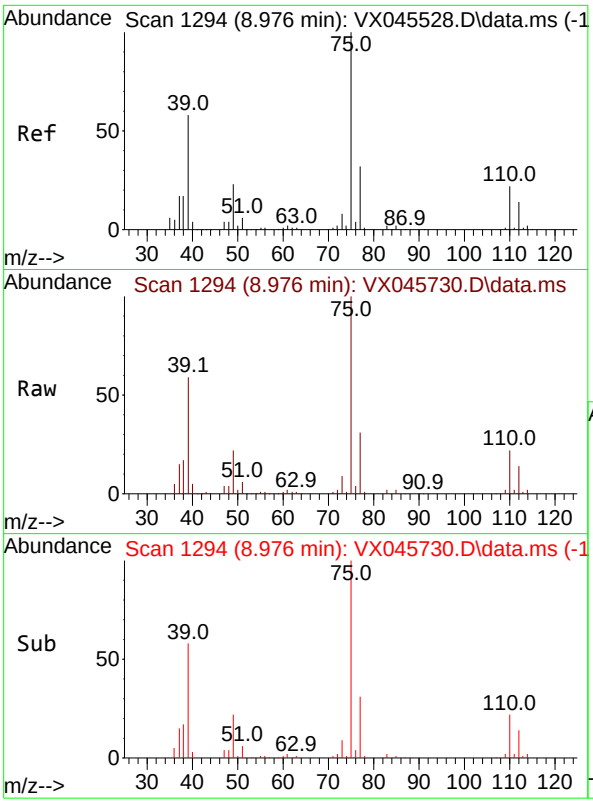


#52
Toluene
Concen: 48.475 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 92 Resp: 141355

Ion	Ratio	Lower	Upper
92	100		
91	175.5	138.7	208.1

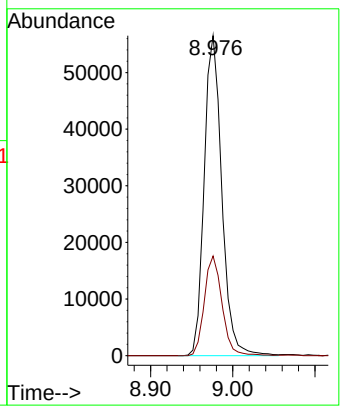




#53
t-1,3-Dichloropropene
Concen: 47.584 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 8414

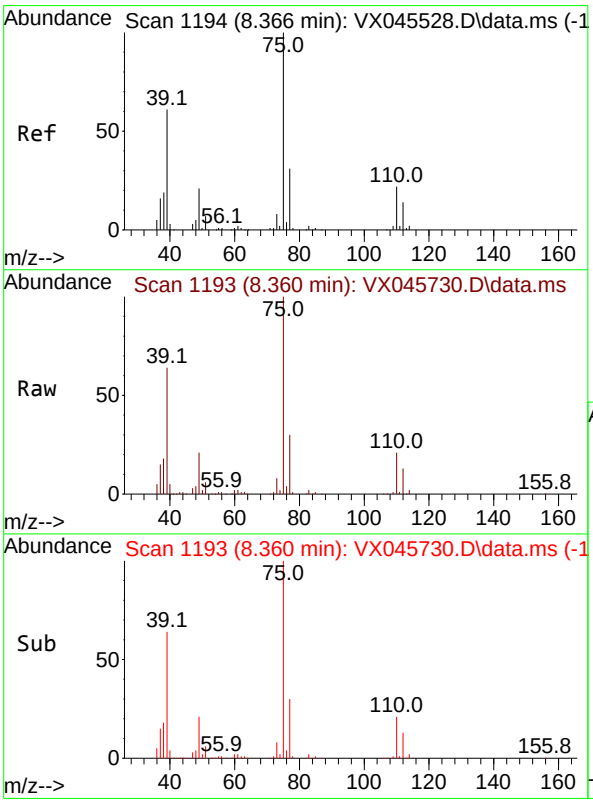
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

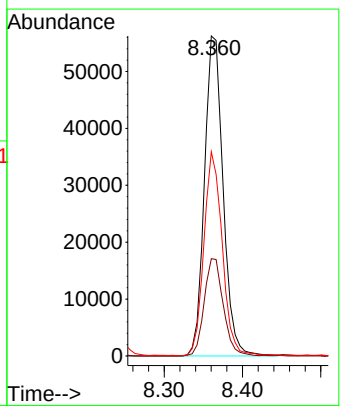
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

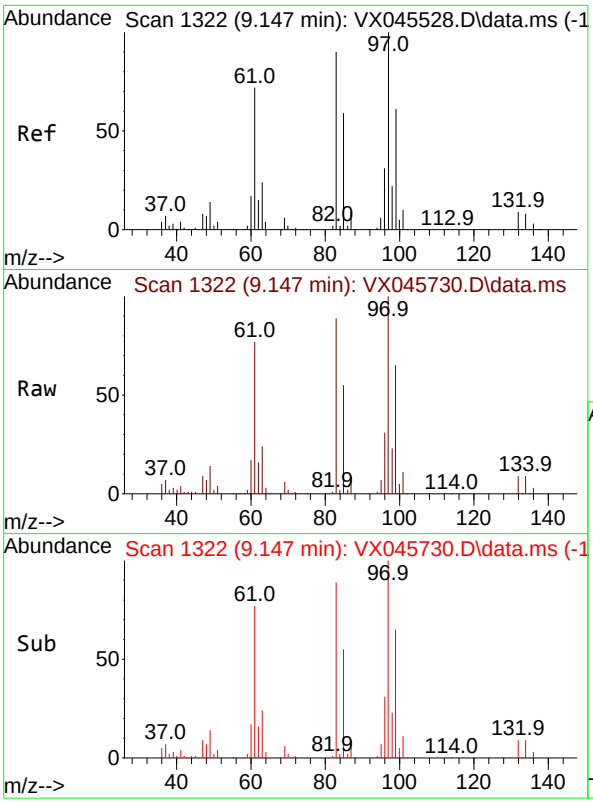


#54
cis-1,3-Dichloropropene
Concen: 53.744 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 93096

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.6	36.8
39	63.7	48.4	72.6

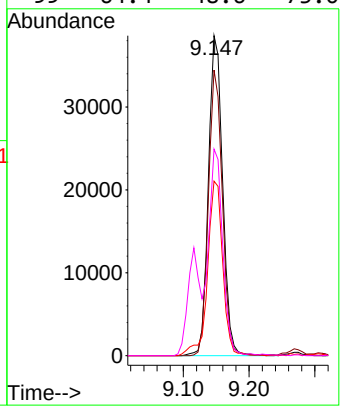




#55
1,1,2-Trichloroethane
Concen: 50.076 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 97 Resp: 5818

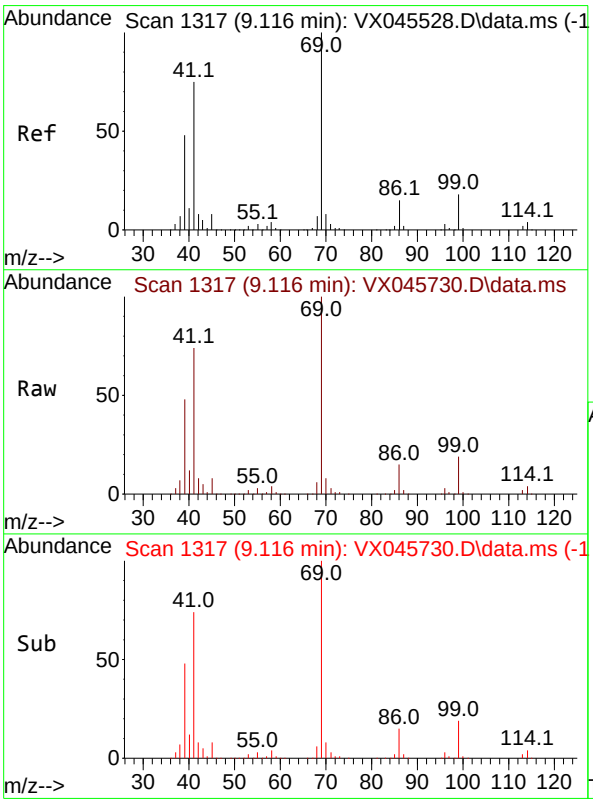
Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.8	107.8
85	54.6	47.0	70.6
99	64.4	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

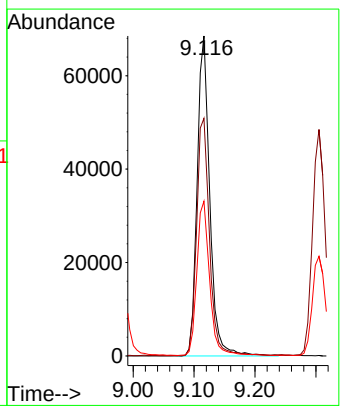
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

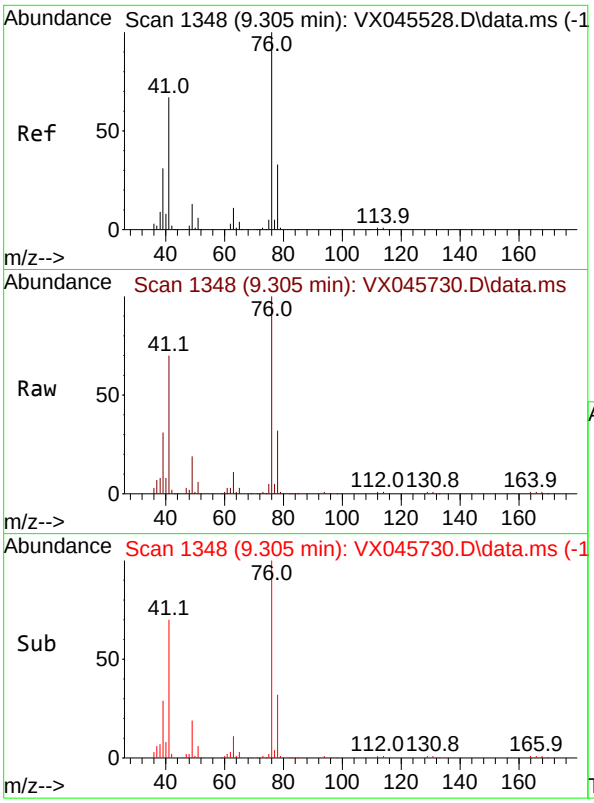


#56
Ethyl methacrylate
Concen: 54.894 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 69 Resp: 98718

Ion	Ratio	Lower	Upper
69	100		
41	76.3	61.3	91.9
39	48.8	40.2	60.2

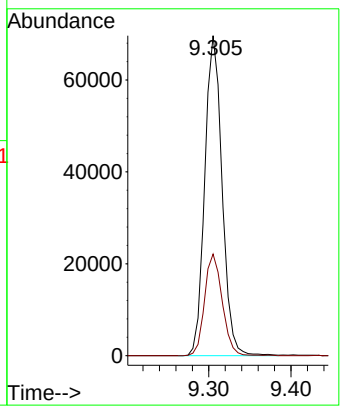




#57
1,3-Dichloropropane
Concen: 50.393 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 76 Resp: 10196

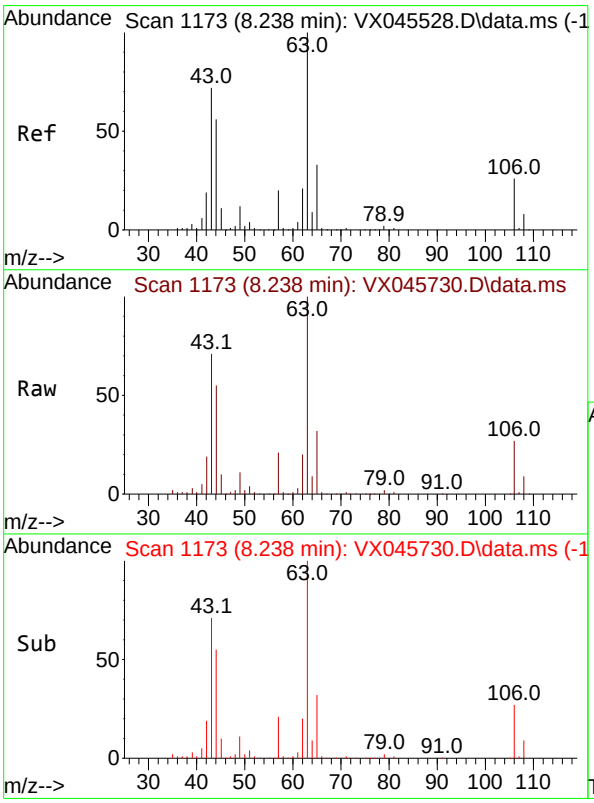
Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

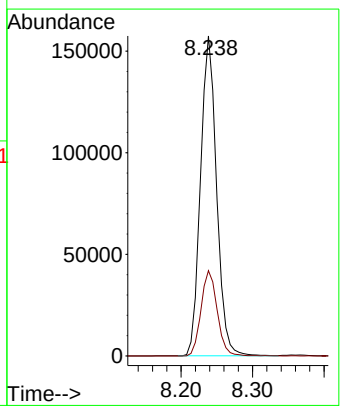
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

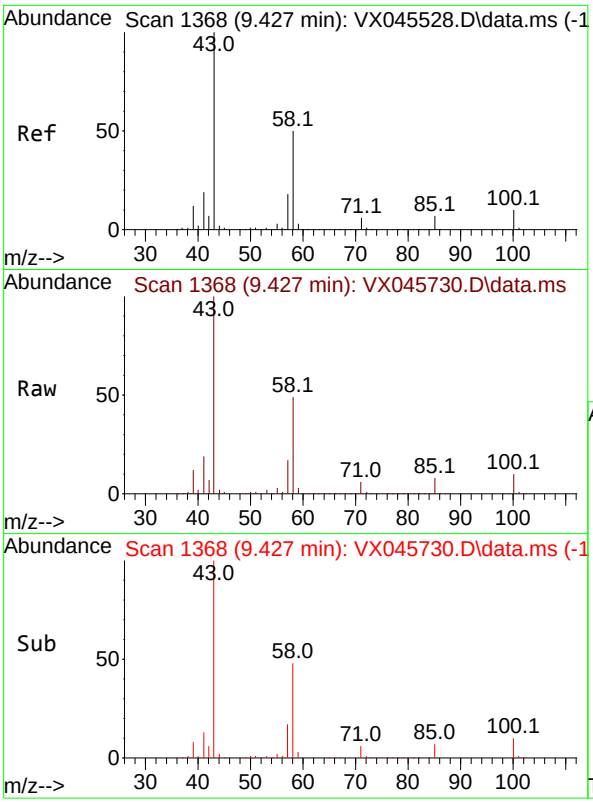


#58
2-Chloroethyl Vinyl ether
Concen: 270.217 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 63 Resp: 245823

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.0	31.6

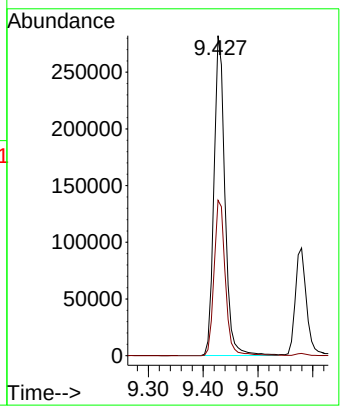




#59
2-Hexanone
Concen: 264.335 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 39108

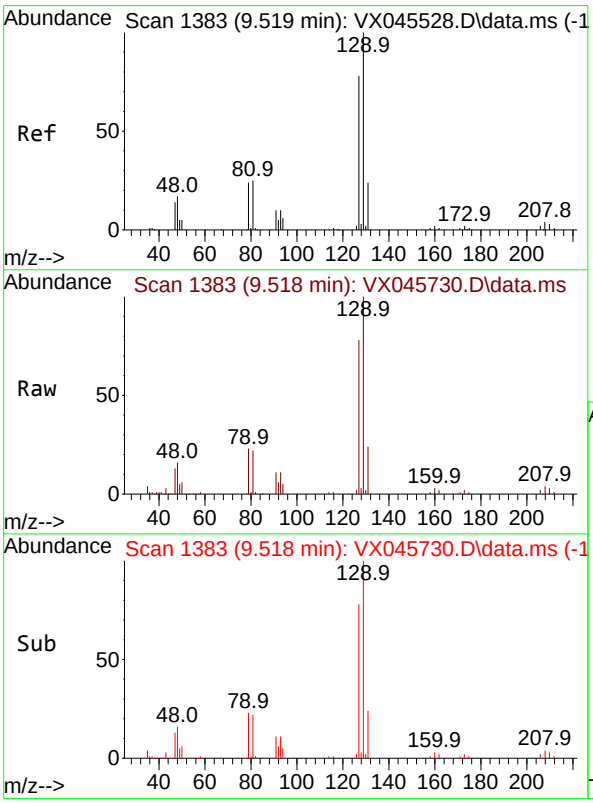
Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

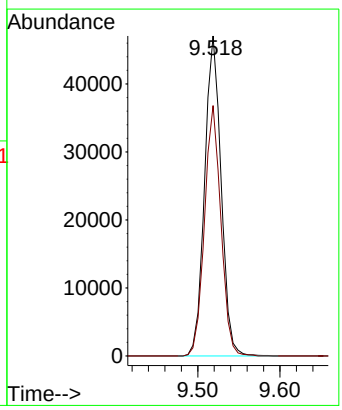
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

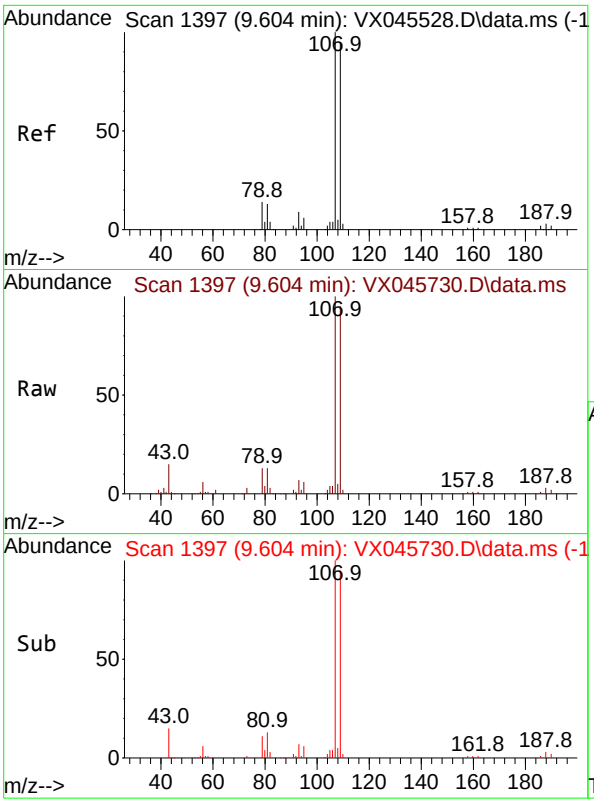


#60
Dibromochloromethane
Concen: 51.692 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:129 Resp: 65483

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.4	118.2

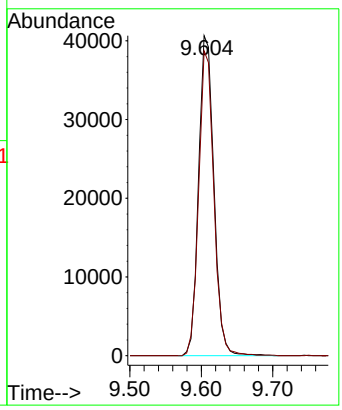




#61
1,2-Dibromoethane
Concen: 51.286 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:107 Resp: 6032

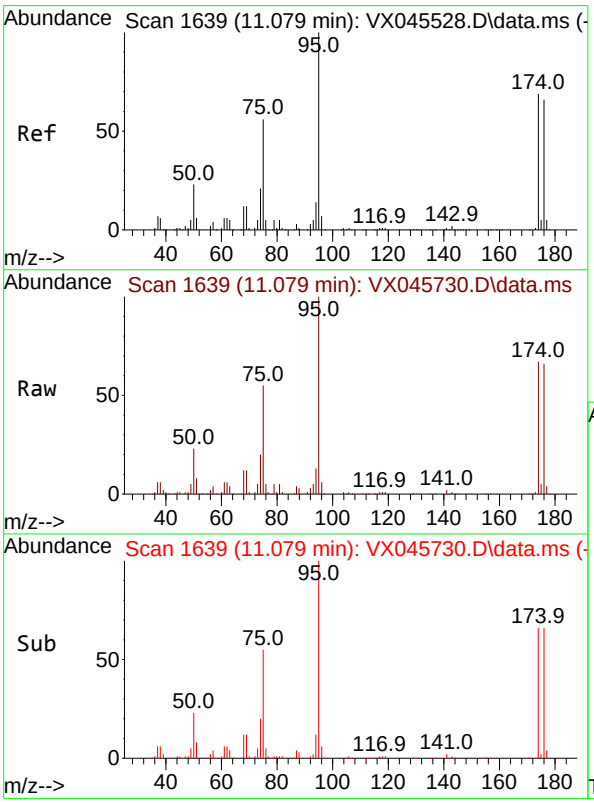
Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

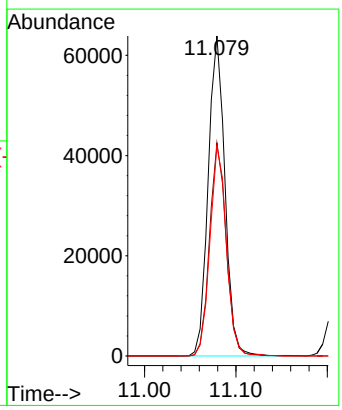
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

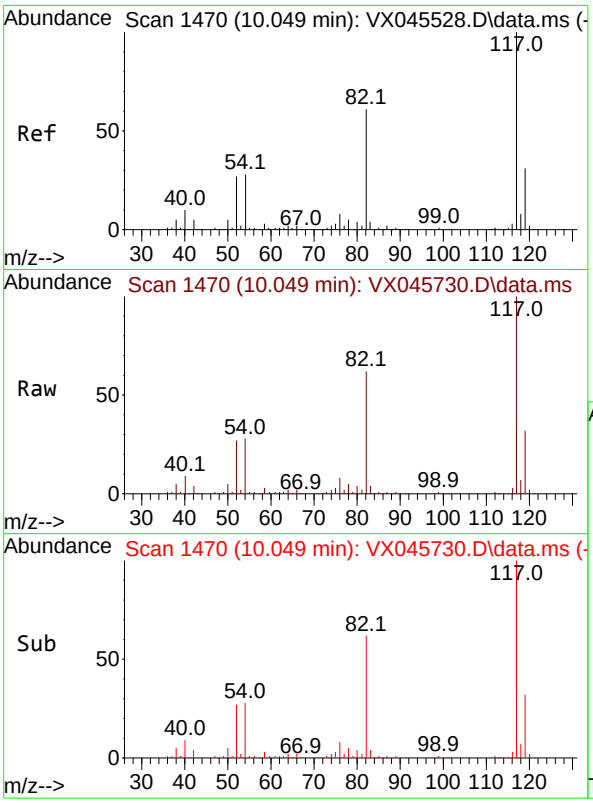


#62
4-Bromofluorobenzene
Concen: 54.421 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 95 Resp: 80858

Ion	Ratio	Lower	Upper
95	100		
174	66.3	0.0	135.8
176	64.6	0.0	131.4

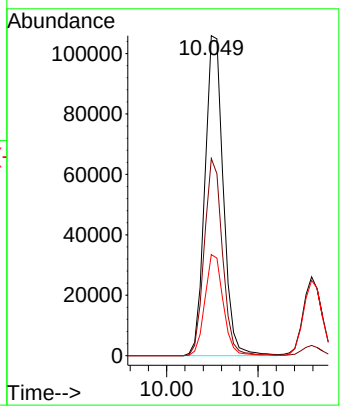




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:117 Resp: 14774

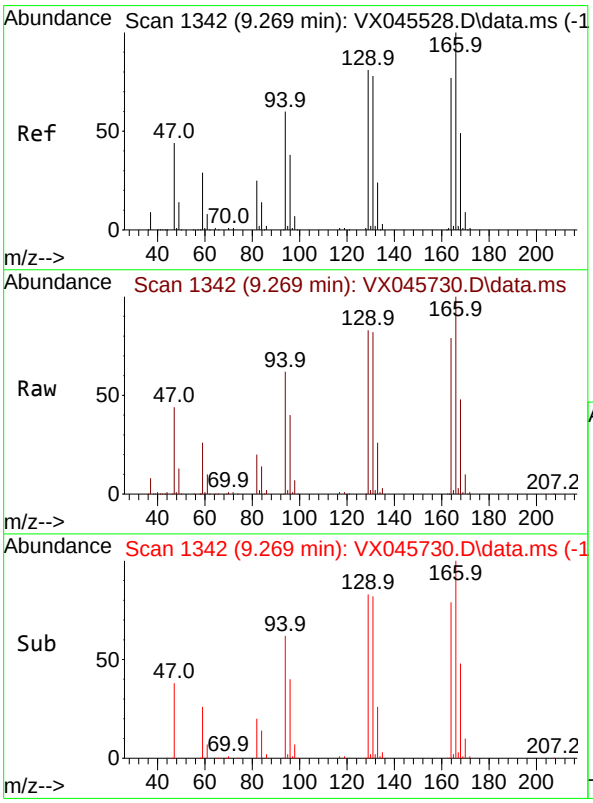
Ion	Ratio	Lower	Upper
117	100		
82	61.6	49.2	73.8
119	31.6	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

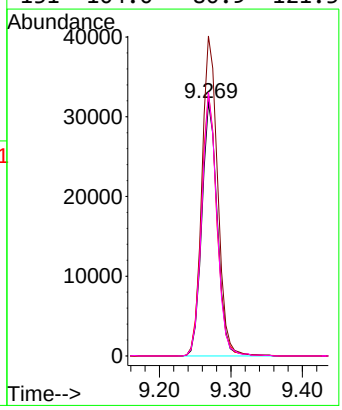
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

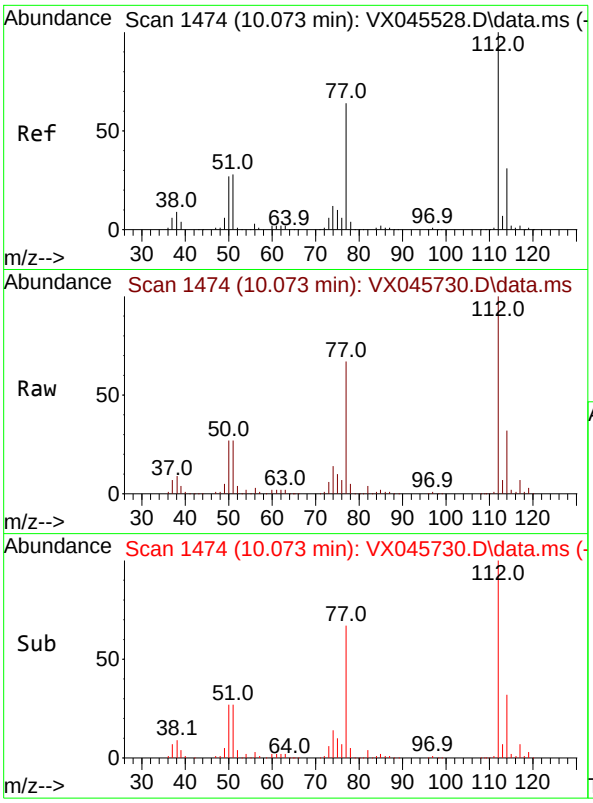


#64
Tetrachloroethene
Concen: 45.712 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:164 Resp: 47682

Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.8	155.8
129	104.3	84.3	126.5
131	104.0	80.9	121.3

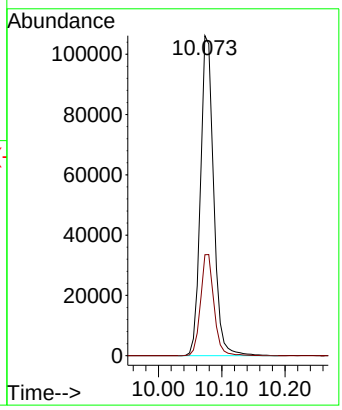




#65
Chlorobenzene
Concen: 48.815 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:112 Resp: 15410

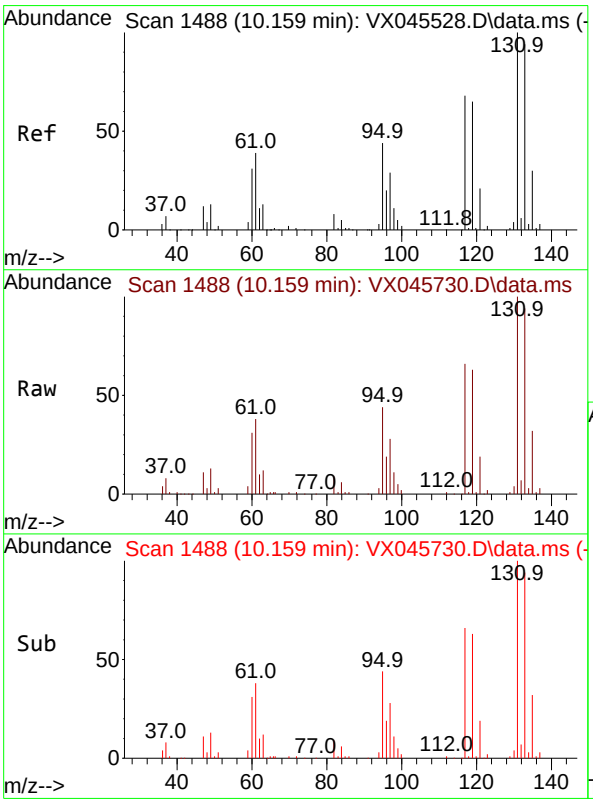
Ion	Ratio	Lower	Upper
112	100		
114	31.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

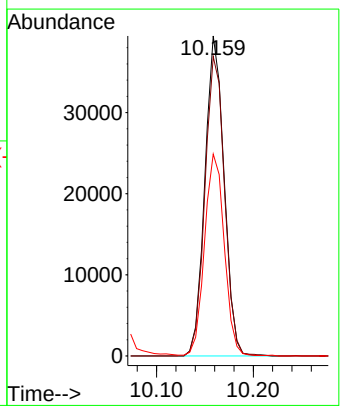
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

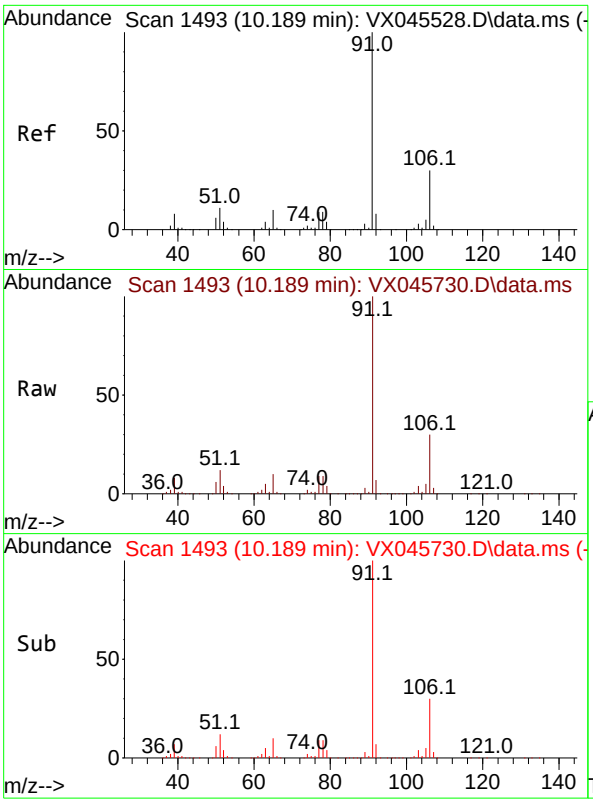


#66
1,1,1,2-Tetrachloroethane
Concen: 49.662 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:131 Resp: 54432

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.5	142.5
119	64.9	32.9	98.6





#67
Ethyl Benzene
Concen: 50.102 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

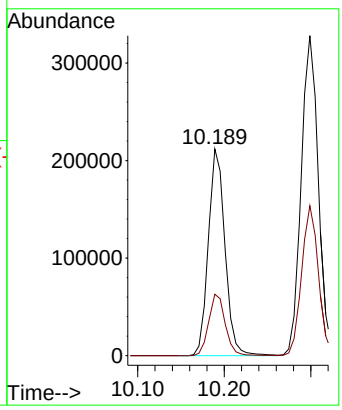
Tgt Ion: 91 Resp: 28328

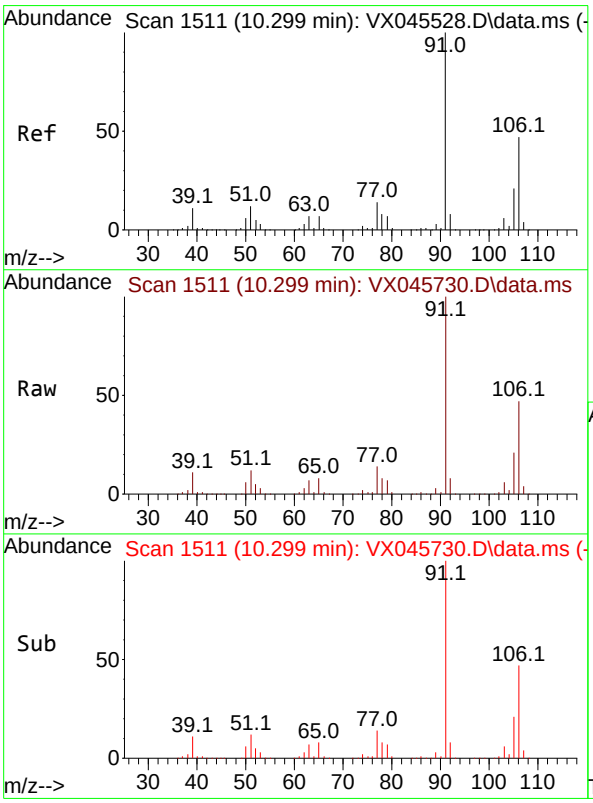
Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.7	35.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

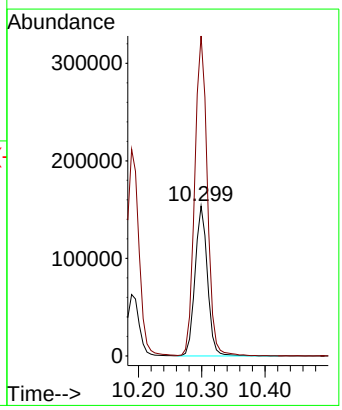


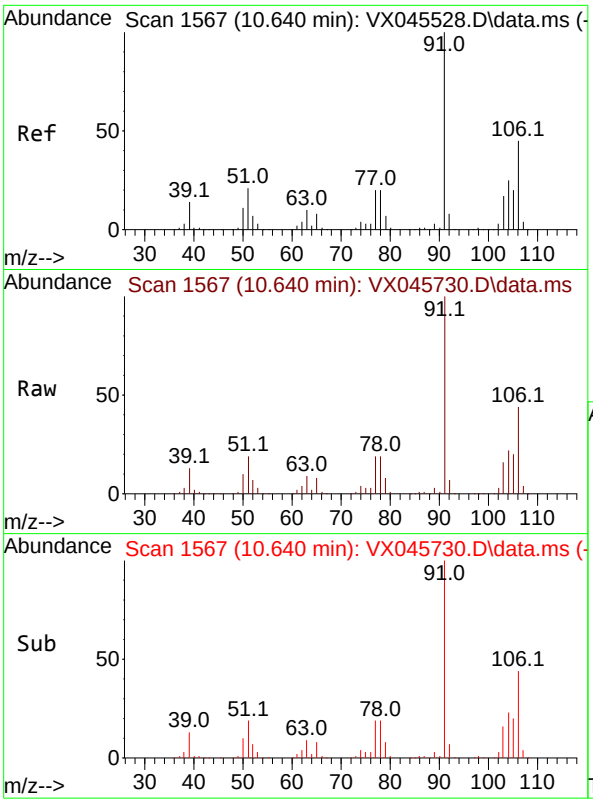


#68
m/p-Xylenes
Concen: 101.879 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:106 Resp: 209512

Ion	Ratio	Lower	Upper
106	100		
91	217.4	172.6	258.8

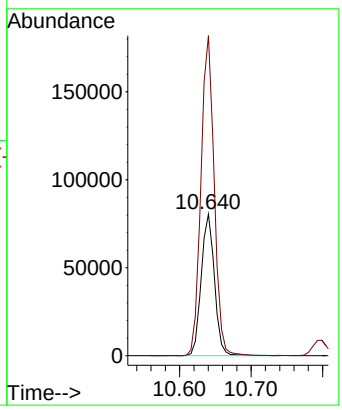




#69
o-Xylene
Concen: 50.973 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:106 Resp: 10326

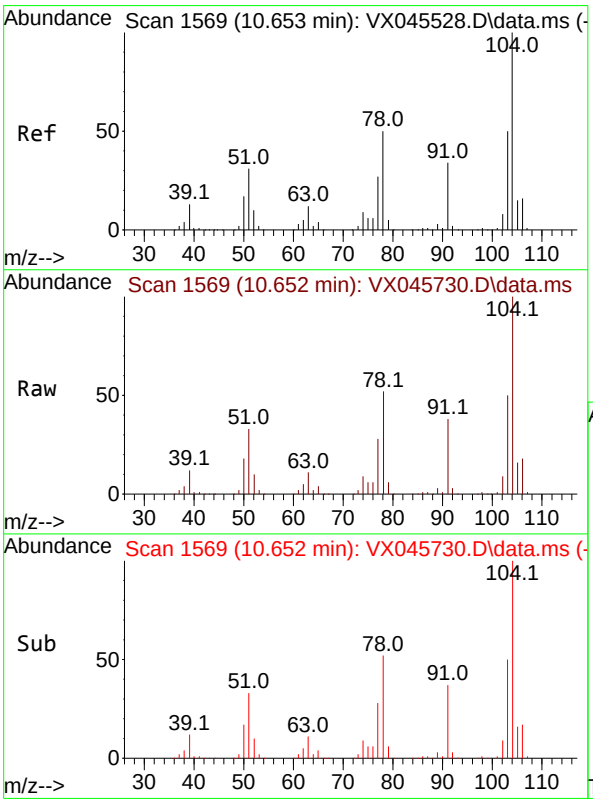
Ion	Ratio	Lower	Upper
106	100		
91	227.2	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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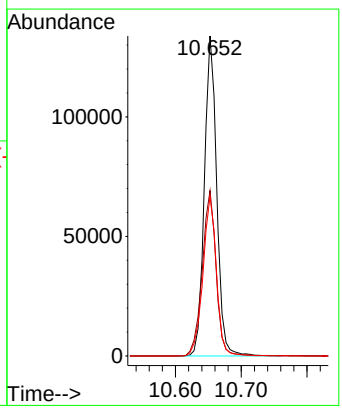
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

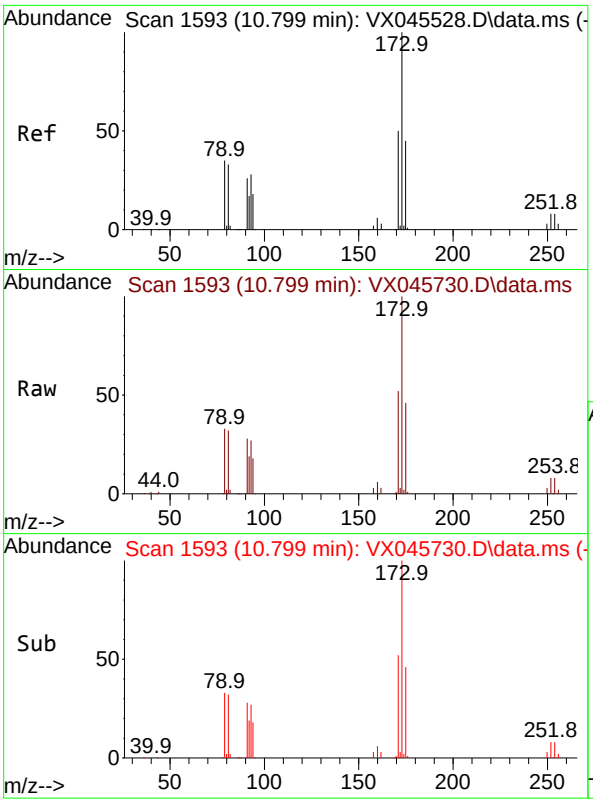


#70
Styrene
Concen: 52.356 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:104 Resp: 175059

Ion	Ratio	Lower	Upper
104	100		
78	57.8	45.4	68.2
103	54.6	43.8	65.8

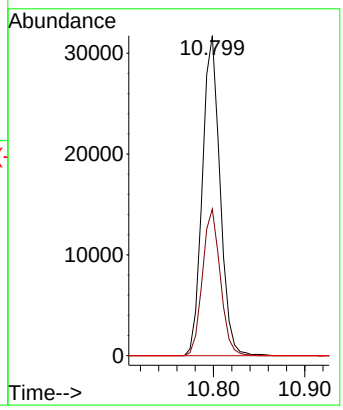




#71
Bromoform
Concen: 51.992 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

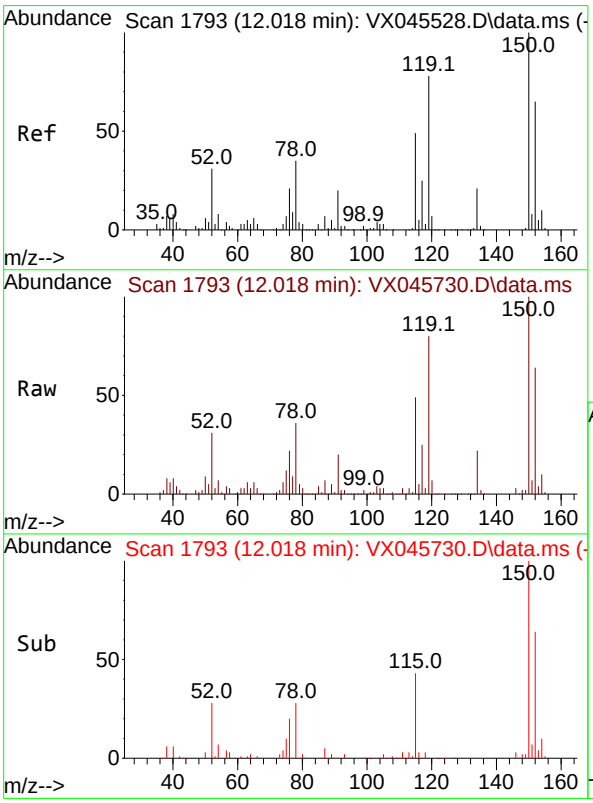
Tgt Ion:173 Resp: 4254

Ion	Ratio	Lower	Upper
173	100		
175	46.1	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

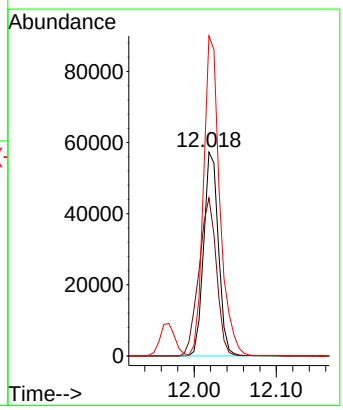
Manual Integrations APPROVED
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

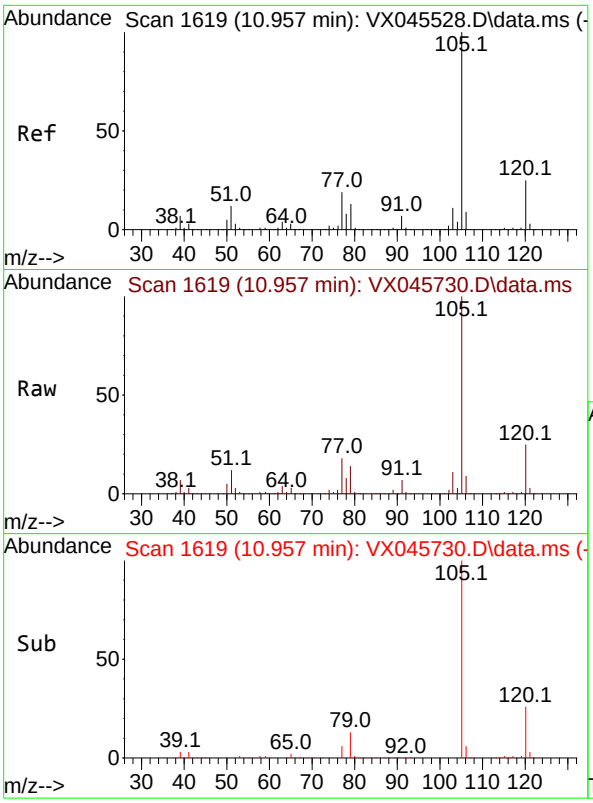


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:152 Resp: 71449

Ion	Ratio	Lower	Upper
152	100		
115	92.3	46.9	140.7
150	172.3	0.0	349.4

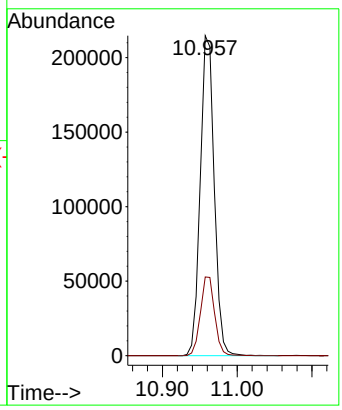




#73
Isopropylbenzene
Concen: 48.759 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:105 Resp: 27905

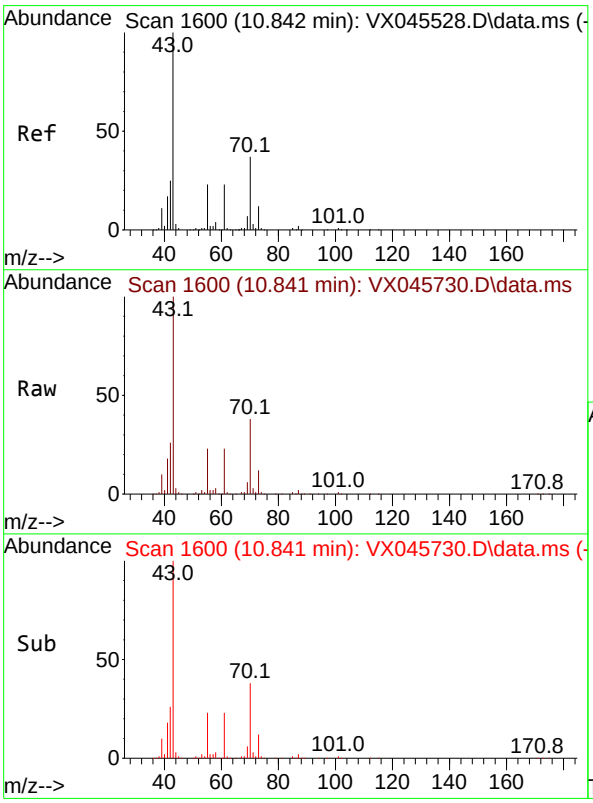
Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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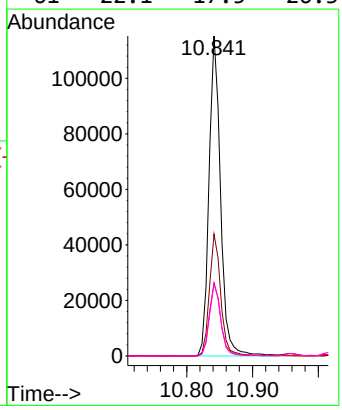
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

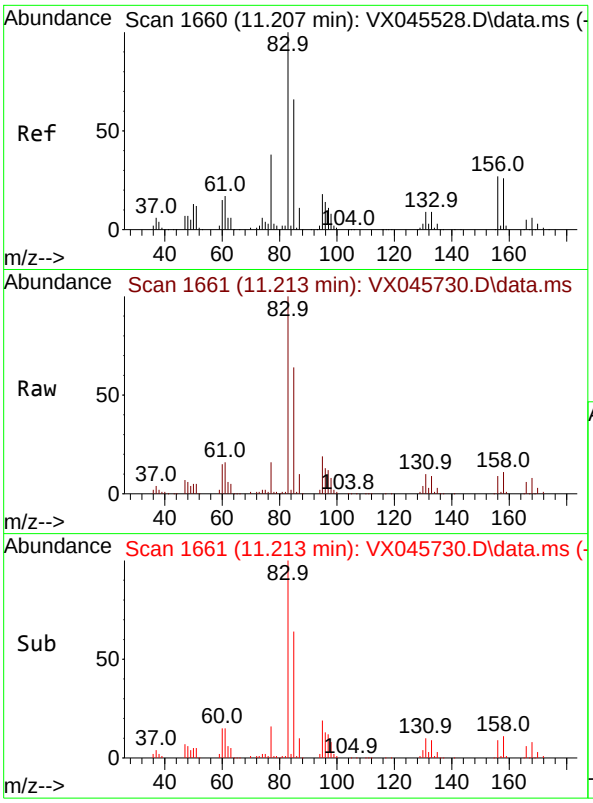


#74
N-amyl acetate
Concen: 51.455 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 43 Resp: 140866

Ion	Ratio	Lower	Upper
43	100		
70	37.6	30.1	45.1
55	23.1	18.3	27.5
61	22.1	17.5	26.3

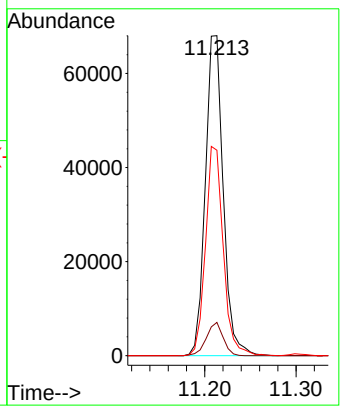




#75
1,1,2,2-Tetrachloroethane
Concen: 45.869 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 83 Resp: 9221

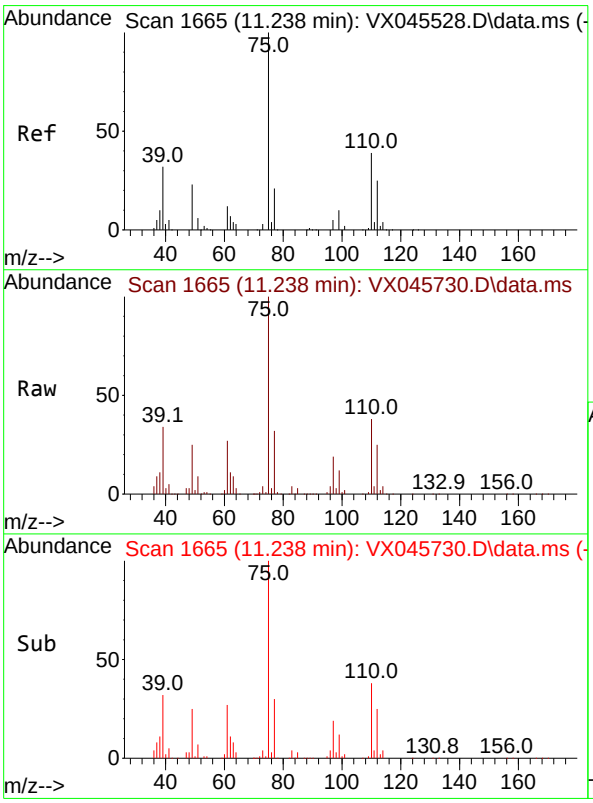
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.1
85	64.9	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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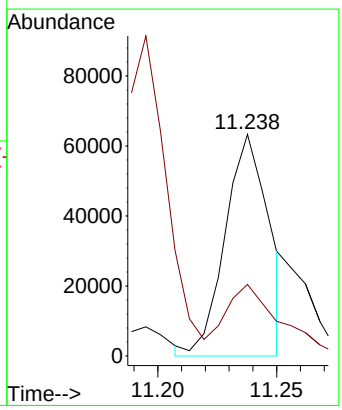
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

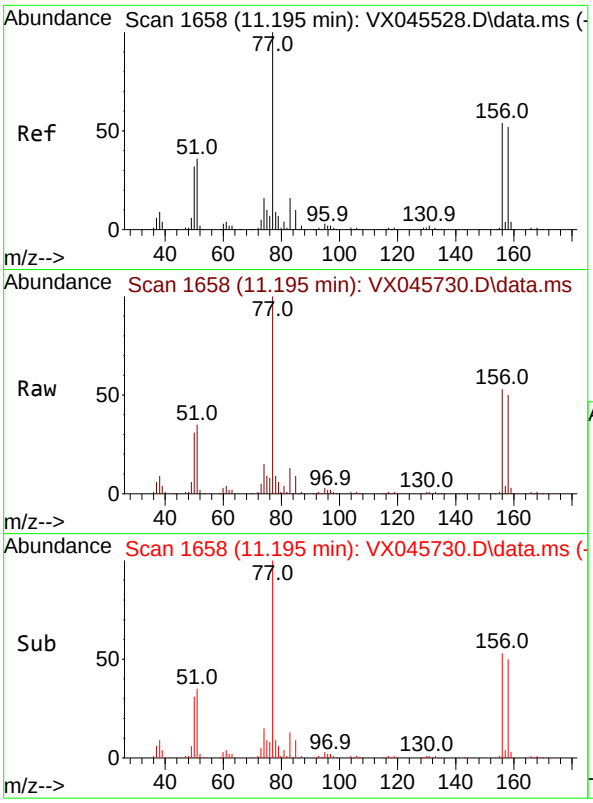


#76
1,2,3-Trichloropropane
Concen: 46.318 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 80723

Ion	Ratio	Lower	Upper
75	100		
77	41.0	20.0	59.9





#77
Bromobenzene
Concen: 47.589 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

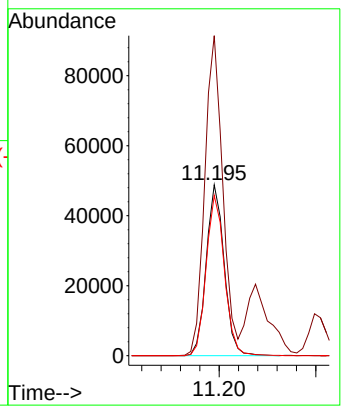
Tgt Ion:156 Resp: 6292

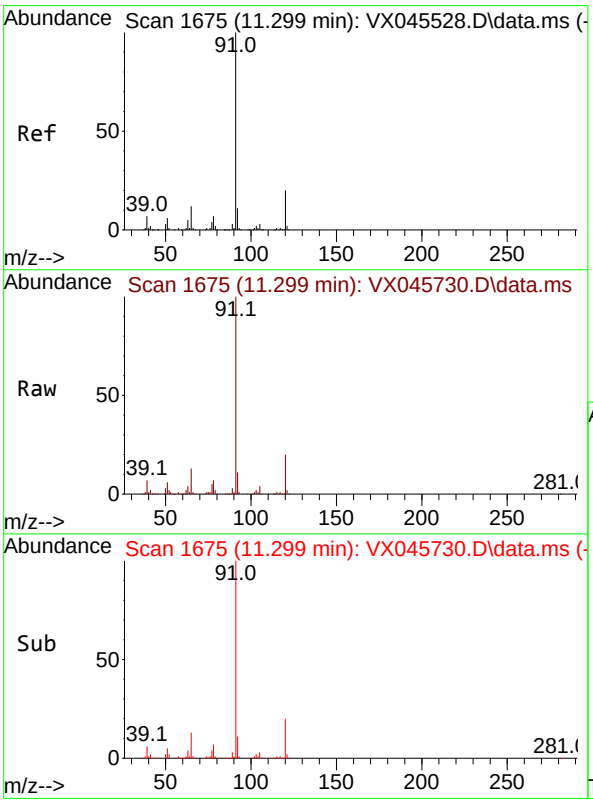
Ion	Ratio	Lower	Upper
156	100		
77	187.7	92.6	277.8
158	95.8	48.1	144.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

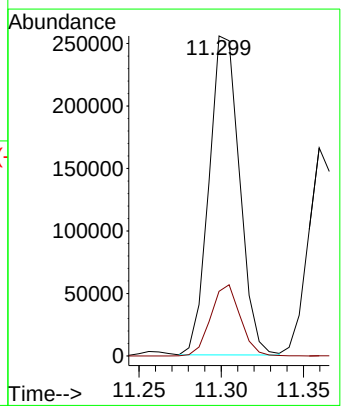


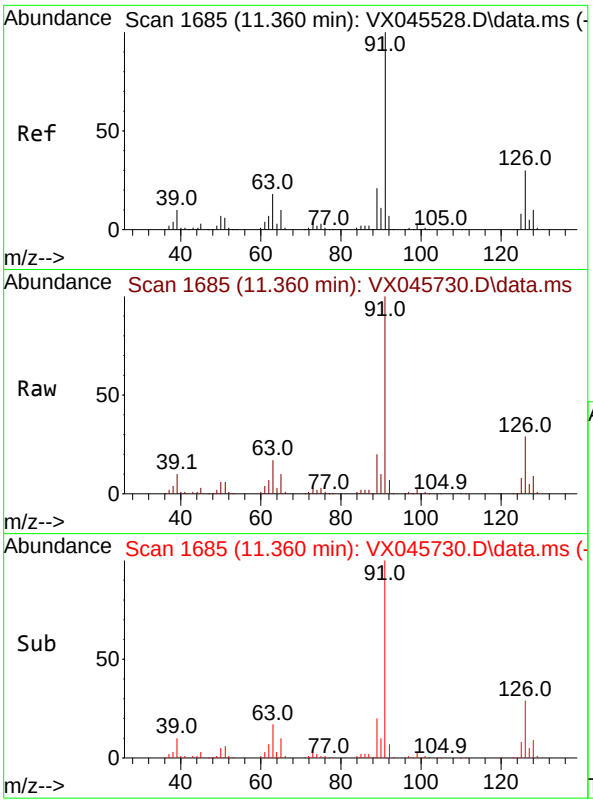


#78
n-propylbenzene
Concen: 50.027 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 91 Resp: 329781

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.3





#79
2-Chlorotoluene
Concen: 48.443 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

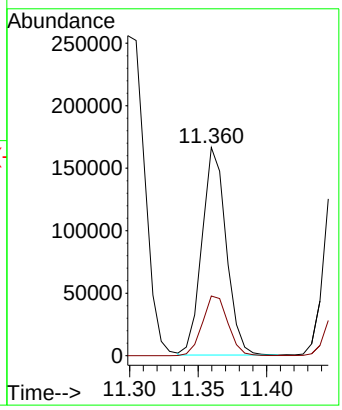
Tgt Ion: 91 Resp: 20415

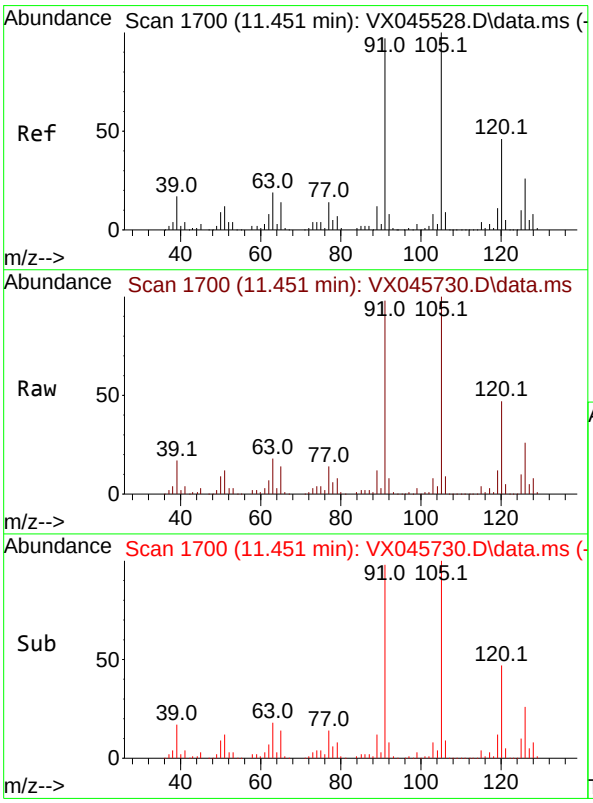
Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

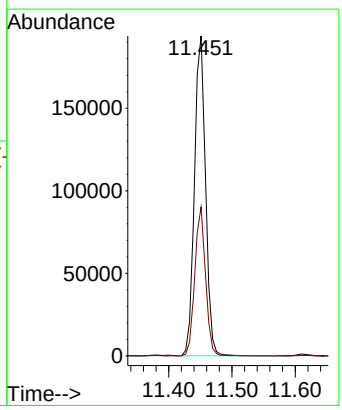


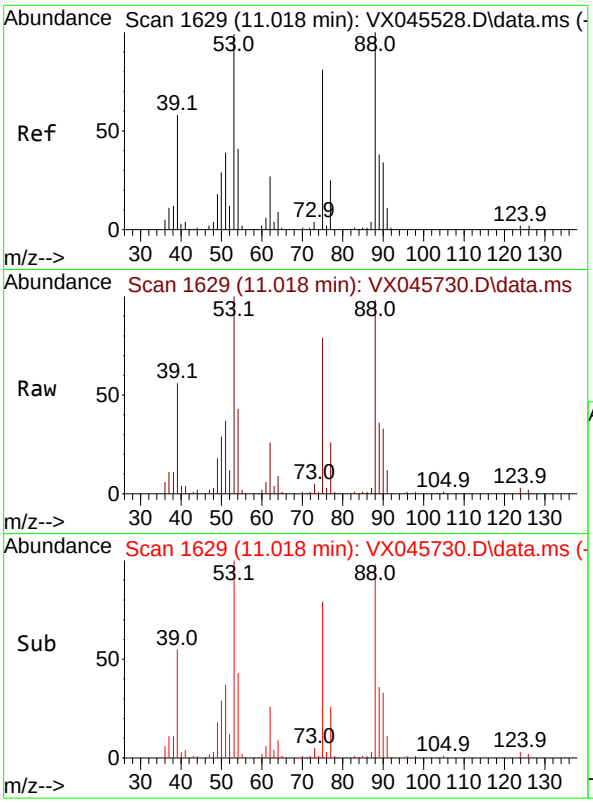


#80
1,3,5-Trimethylbenzene
Concen: 50.087 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:105 Resp: 237040

Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.0	69.0

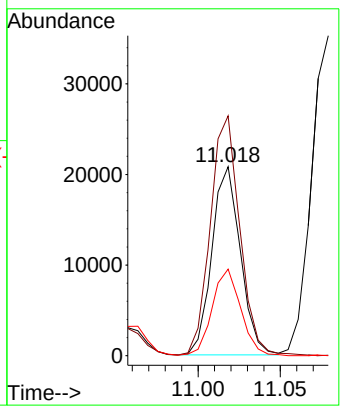




#81
trans-1,4-Dichloro-2-butene
Concen: 48.803 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 2506

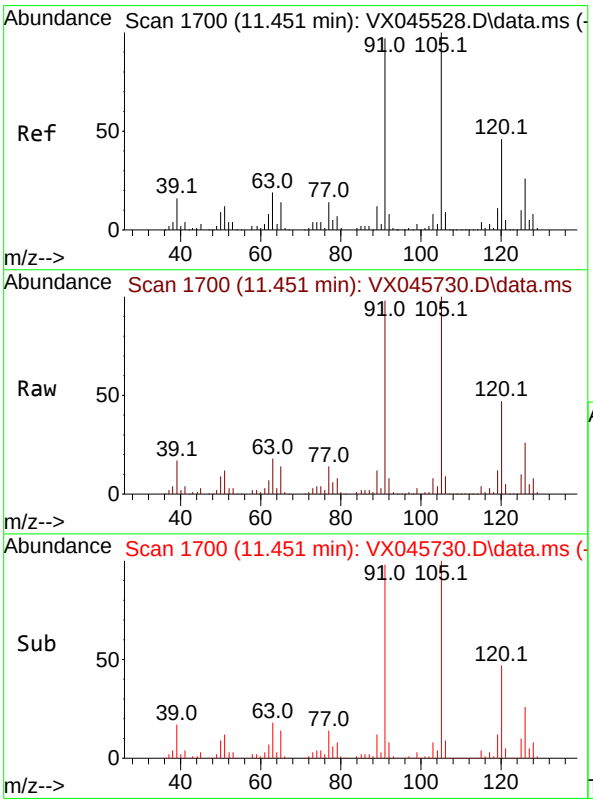
Ion	Ratio	Lower	Upper
75	100		
53	131.9	101.8	152.6
89	46.2	37.2	55.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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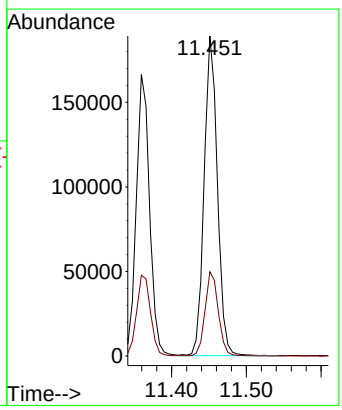
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

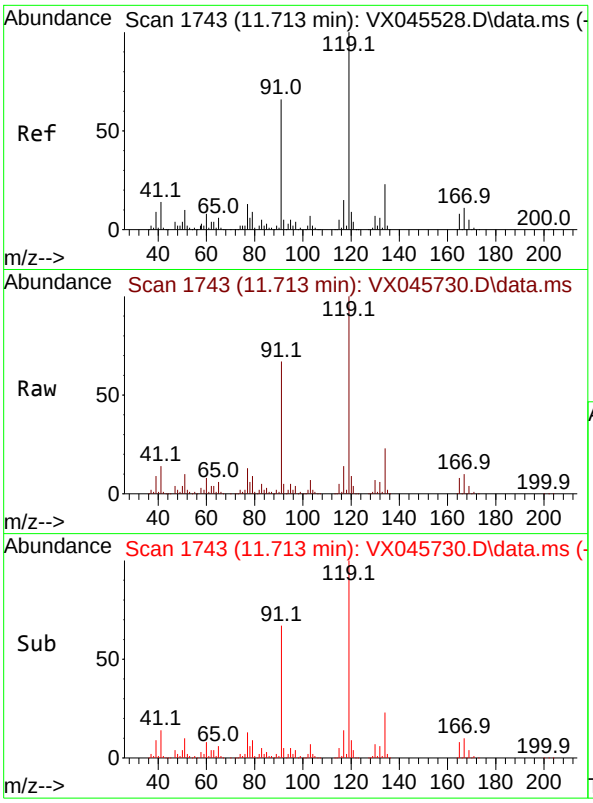


#82
4-Chlorotoluene
Concen: 49.589 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 91 Resp: 233003

Ion	Ratio	Lower	Upper
91	100		
126	26.4	13.3	39.9

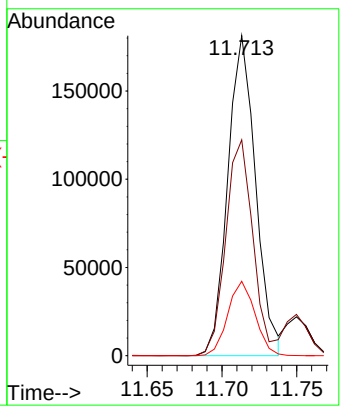




#83
tert-Butylbenzene
Concen: 50.120 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:119 Resp: 23483

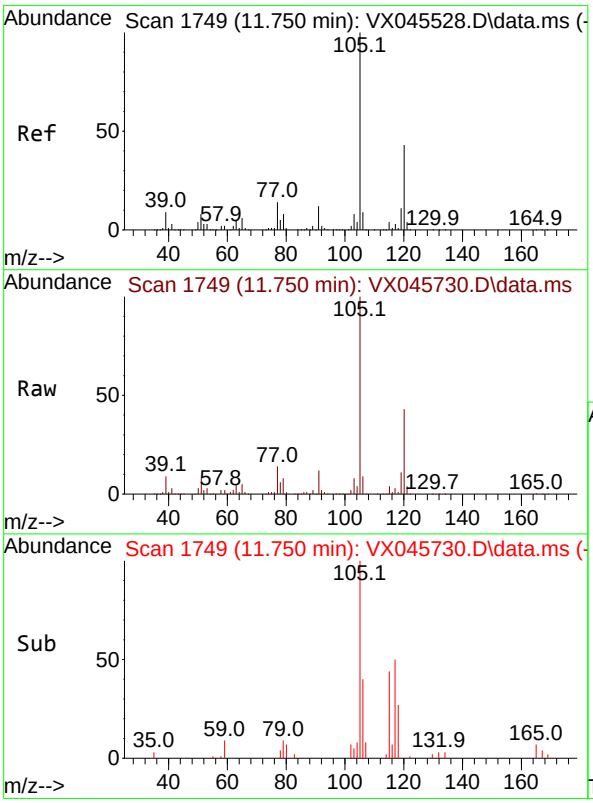
Ion	Ratio	Lower	Upper
119	100		
91	66.6	32.4	97.2
134	22.8	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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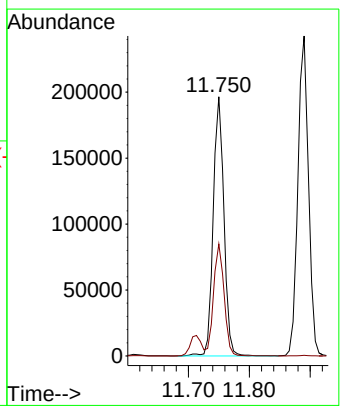
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

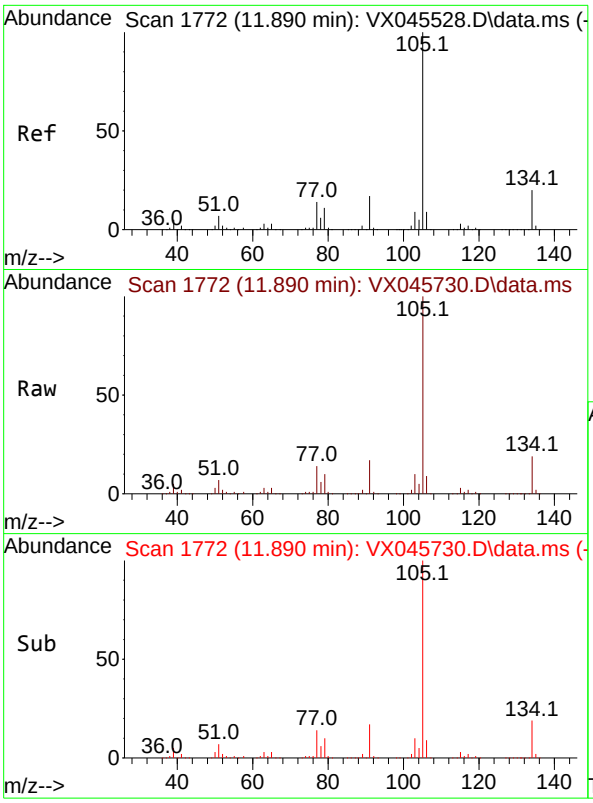


#84
1,2,4-Trimethylbenzene
Concen: 50.423 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:105 Resp: 239508

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.4	64.3

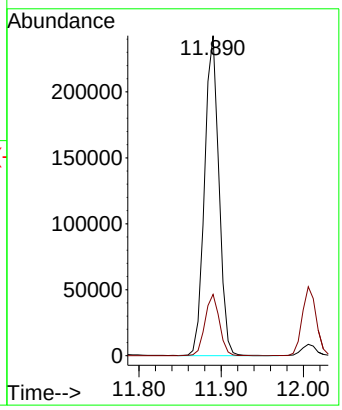




#85
sec-Butylbenzene
Concen: 51.118 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:105 Resp: 29417

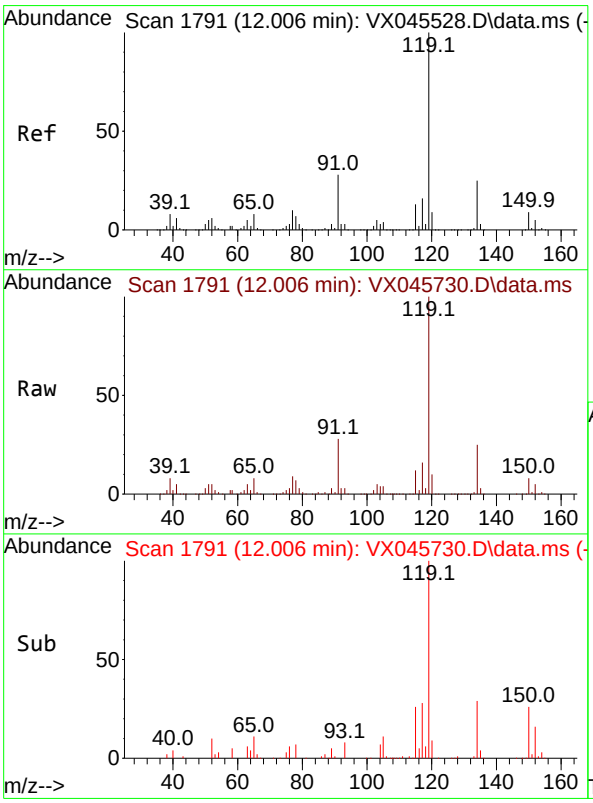
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

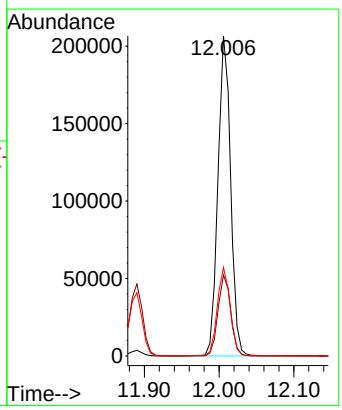
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

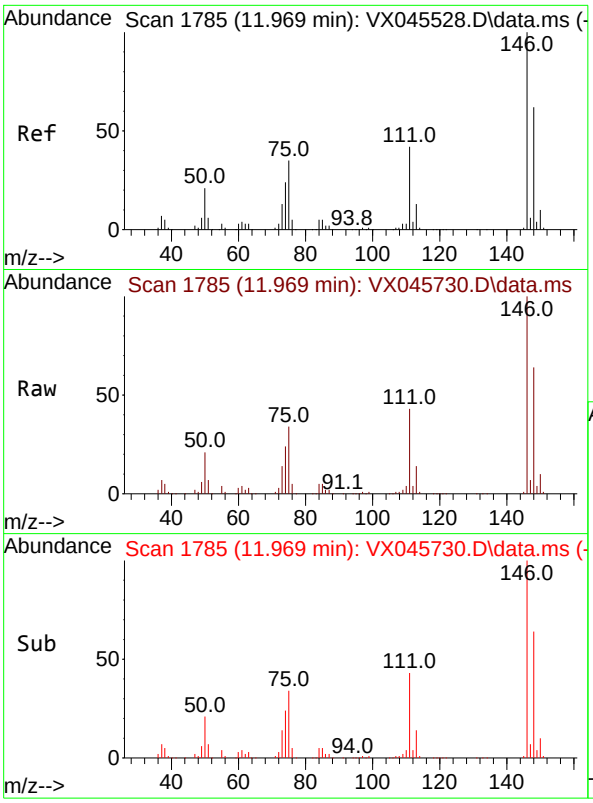


#86
p-Isopropyltoluene
Concen: 51.391 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:119 Resp: 243819

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	27.7	13.7	41.1

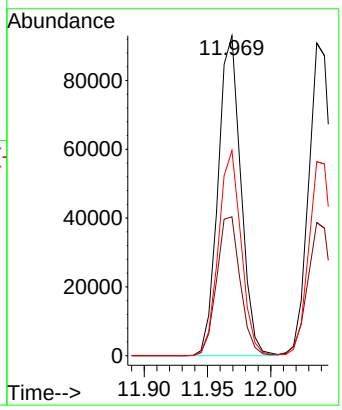




#87
1,3-Dichlorobenzene
Concen: 48.364 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:146 Resp: 11641

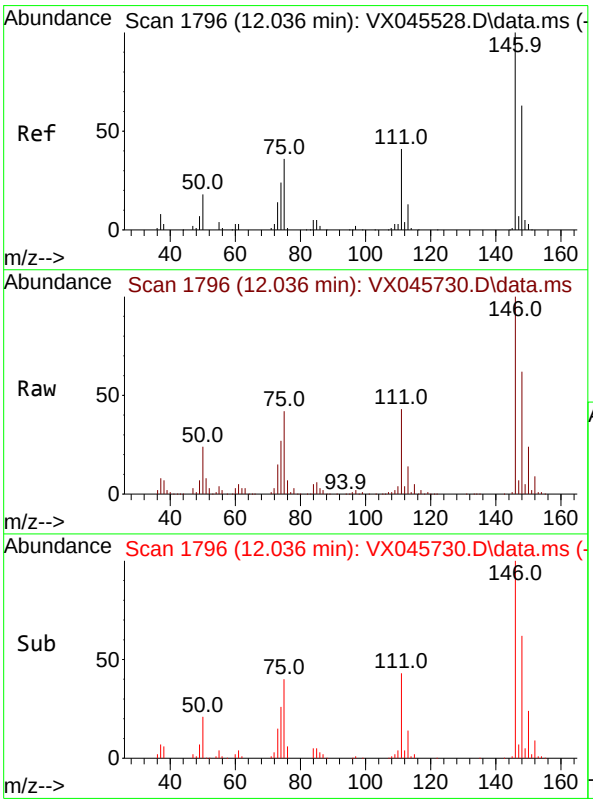
Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.2	66.6
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

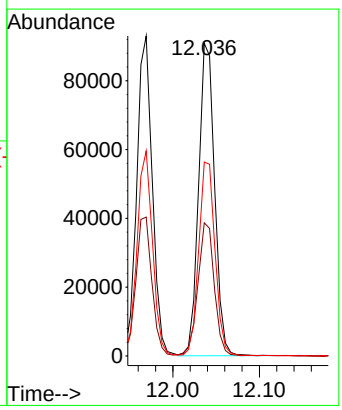
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

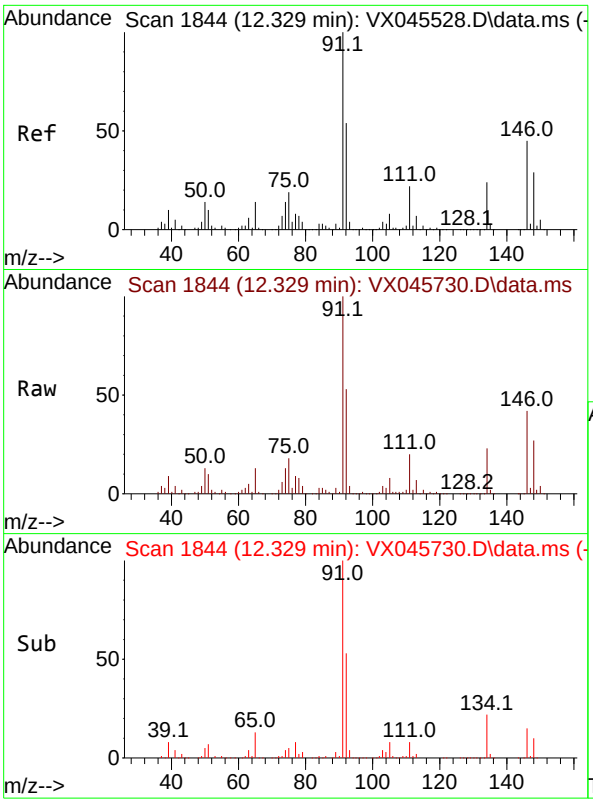


#88
1,4-Dichlorobenzene
Concen: 47.866 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:146 Resp: 116806

Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.9	62.8
148	63.3	31.5	94.5





#89
n-Butylbenzene
Concen: 53.822 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

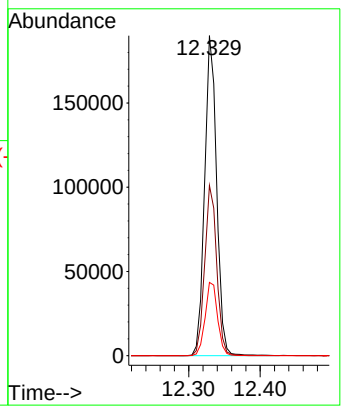
Tgt Ion: 91 Resp: 22143

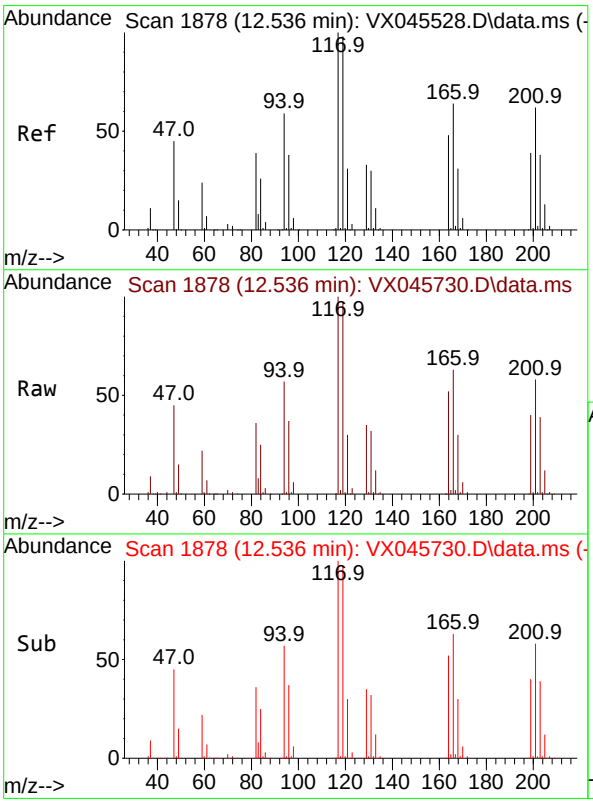
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.6
134	23.8	11.9	35.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

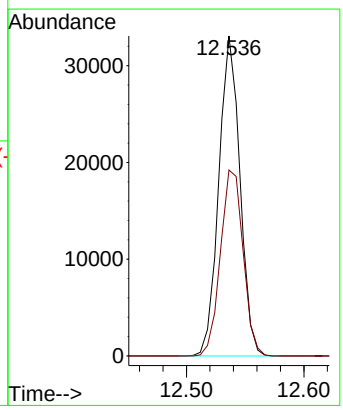


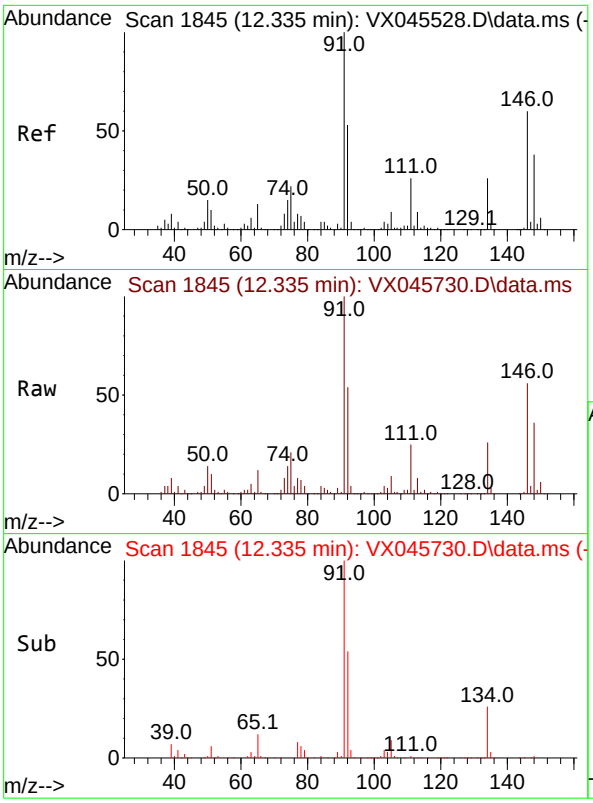


#90
Hexachloroethane
Concen: 50.695 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:117 Resp: 41335

Ion	Ratio	Lower	Upper
117	100		
201	62.5	31.2	93.6

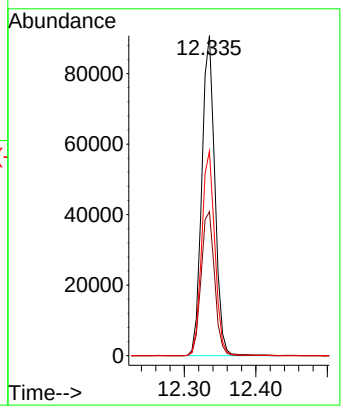




#91
1,2-Dichlorobenzene
Concen: 48.079 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:146 Resp: 11505

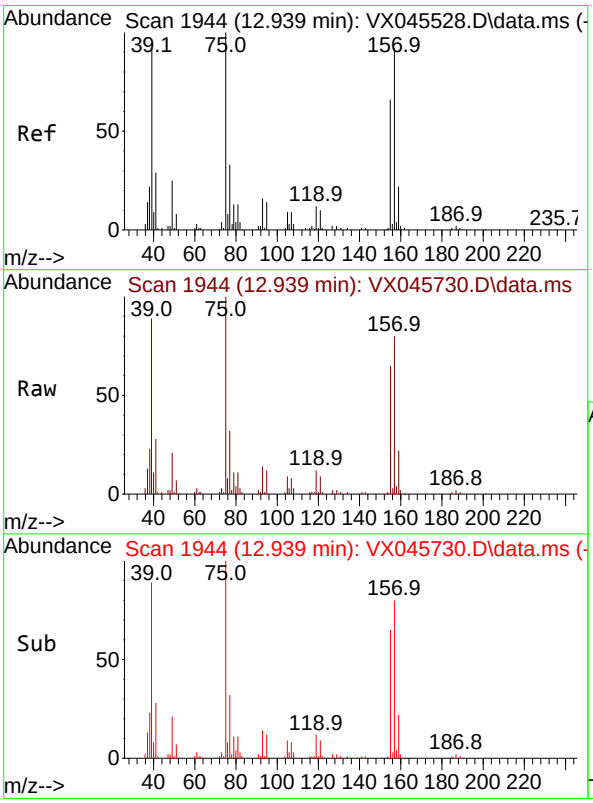
Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.9	68.8
148	64.5	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

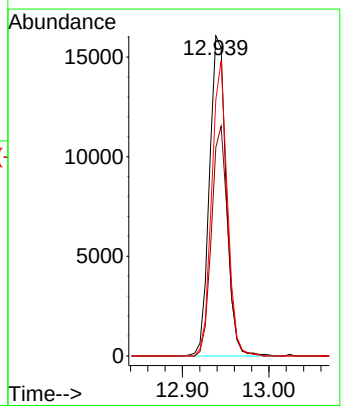
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

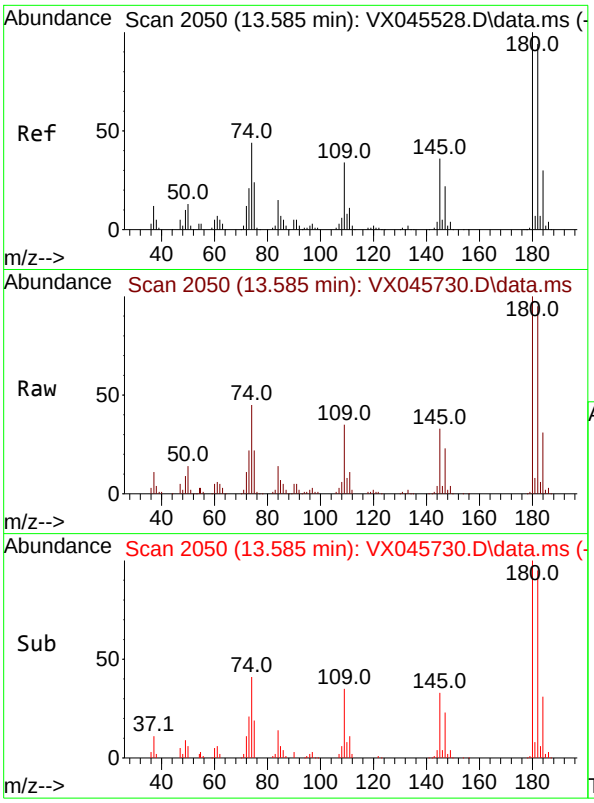


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.215 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion: 75 Resp: 21534

Ion	Ratio	Lower	Upper
75	100		
155	70.1	34.9	104.7
157	86.5	44.9	134.7

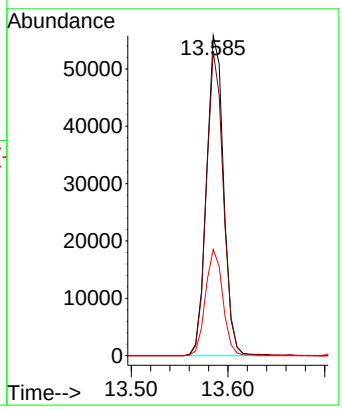




#93
1,2,4-Trichlorobenzene
Concen: 51.329 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:180 Resp: 6837

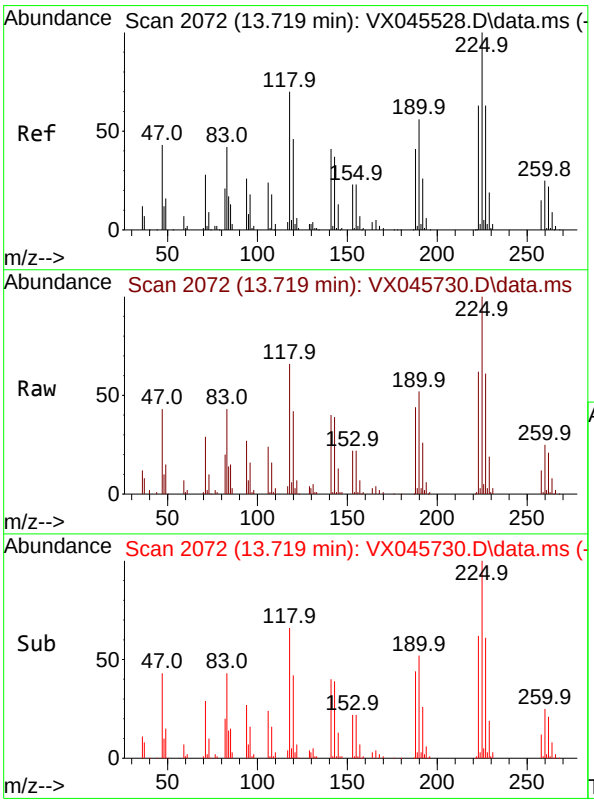
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.6
145	33.7	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

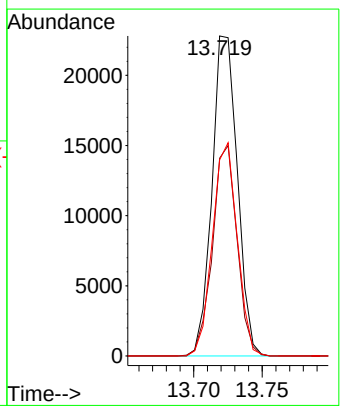
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

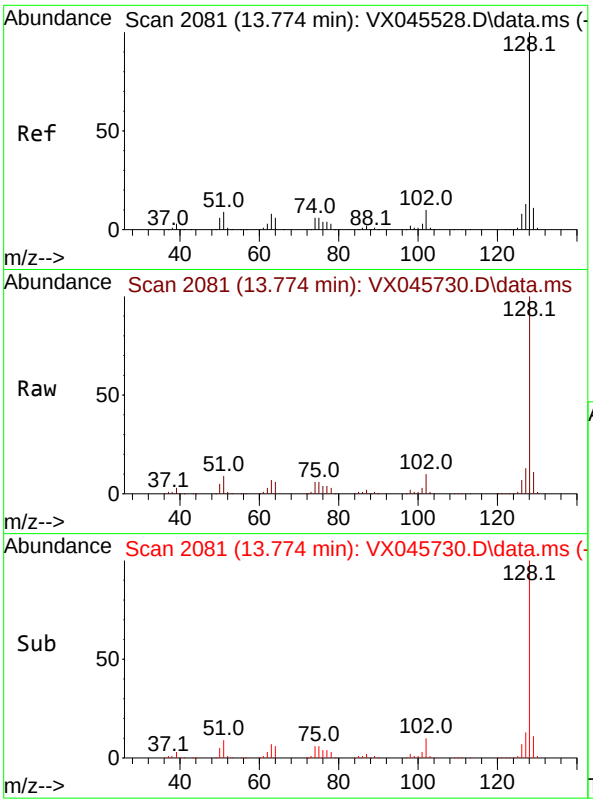


#94
Hexachlorobutadiene
Concen: 51.144 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:225 Resp: 29358

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.1	93.3
227	65.0	32.2	96.6

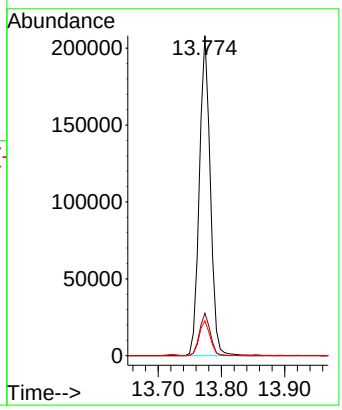




#95
Naphthalene
Concen: 50.677 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:128 Resp: 25121

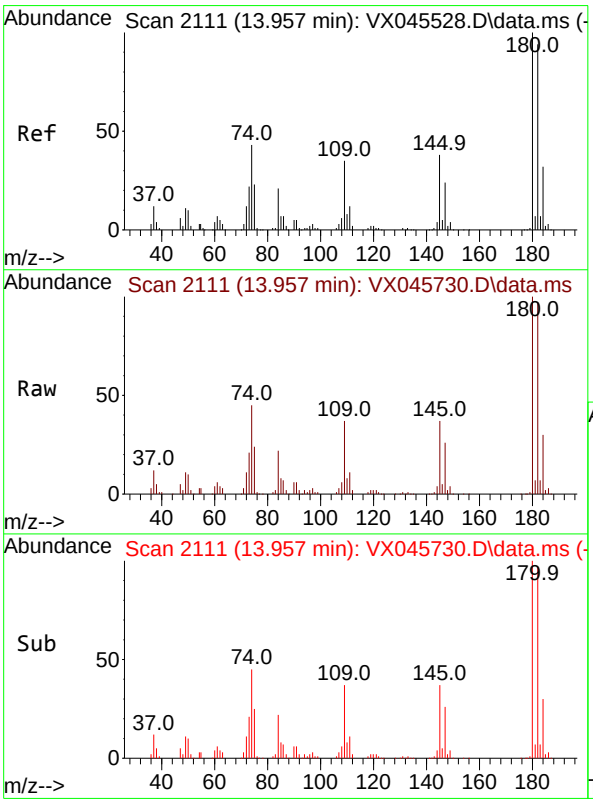
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

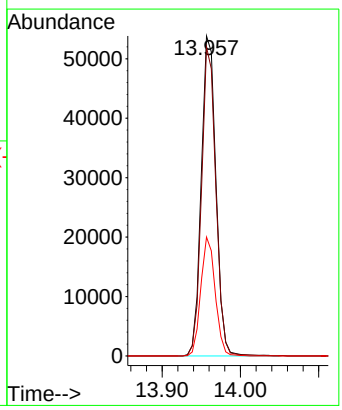
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.247 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045730.D
Acq: 11 Apr 2025 10:41

Tgt Ion:180 Resp: 70089

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.8
145	36.4	18.2	54.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	0.748	0.745	0.4	92	0.00
3	P	Chloromethane	0.768	0.696	9.4	90	0.00
4	C	Vinyl Chloride	0.703	0.636	9.5#	90	0.00
5	T	Bromomethane	0.333	0.280	15.9	86	0.00
6	T	Chloroethane	0.373	0.355	4.8	91	0.00
7	T	Trichlorofluoromethane	1.048	1.004	4.2	94	0.00
8	T	Diethyl Ether	0.352	0.326	7.4	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.605	1.5	99	0.00
10	T	Methyl Iodide	0.766	0.690	9.9	88	0.00
11	T	Tert butyl alcohol	0.123	0.124	-0.8	100	0.00
12	CM	1,1-Dichloroethene	0.600	0.549	8.5#	93	0.00
13	T	Acrolein	0.169	0.126	25.4#	77	0.00
14	T	Allyl chloride	1.139	1.090	4.3	95	0.00
15	T	Acrylonitrile	0.388	0.368	5.2	92	0.00
16	T	Acetone	0.375	0.347	7.5	93	0.00
17	T	Carbon Disulfide	1.483	1.188	19.9	78	0.00
18	T	Methyl Acetate	0.864	0.916	-6.0	109	0.00
19	T	Methyl tert-butyl Ether	2.100	2.067	1.6	99	0.00
20	T	Methylene Chloride	0.703	0.649	7.7	93	0.00
21	T	trans-1,2-Dichloroethene	0.613	0.554	9.6	90	0.00
22	T	Diisopropyl ether	2.243	2.146	4.3	95	0.00
23	T	Vinyl Acetate	1.938	1.908	1.5	93	0.00
24	P	1,1-Dichloroethane	1.269	1.181	6.9	95	0.00
25	T	2-Butanone	0.550	0.536	2.5	93	0.00
26	T	2,2-Dichloropropane	0.820	0.909	-10.9	109	0.00
27	T	cis-1,2-Dichloroethene	0.747	0.682	8.7	92	0.00
28	T	Bromochloromethane	0.613	0.580	5.4	99	0.00
29	T	Tetrahydrofuran	0.356	0.337	5.3	92	0.00
30	C	Chloroform	1.306	1.240	5.1#	96	0.00
31	T	Cyclohexane	1.122	1.030	8.2	93	0.00
32	T	1,1,1-Trichloroethane	1.105	1.067	3.4	98	0.00
33	S	1,2-Dichloroethane-d4	0.914	0.880	3.7	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.355	0.354	0.3	100	0.00
36	T	1,1-Dichloropropene	0.479	0.465	2.9	94	0.00
37	T	Ethyl Acetate	0.604	0.582	3.6	91	0.00
38	T	Carbon Tetrachloride	0.518	0.529	-2.1	97	0.00
39	T	Methylcyclohexane	0.587	0.596	-1.5	94	0.00
40	TM	Benzene	1.463	1.404	4.0	93	0.00
41	T	Methacrylonitrile	0.318	0.346	-8.8	96	0.00
42	TM	1,2-Dichloroethane	0.604	0.611	-1.2	96	0.00
43	T	Isopropyl Acetate	0.915	0.961	-5.0	96	0.00
44	TM	Trichloroethene	0.348	0.335	3.7	93	0.00
45	C	1,2-Dichloropropane	0.365	0.361	1.1#	94	0.00
46	T	Dibromomethane	0.280	0.275	1.8	92	0.00
47	T	Bromodichloromethane	0.560	0.562	-0.4	96	0.00
48	T	Methyl methacrylate	0.472	0.503	-6.6	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	98	0.00
50	S	Toluene-d8	1.238	1.226	1.0	99	0.00
51	T	4-Methyl-2-Pentanone	0.606	0.640	-5.6	94	0.00
52	CM	Toluene	0.885	0.858	3.1#	92	0.00
53	T	t-1,3-Dichloropropene	0.467	0.511	-9.4	98	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.565	-7.4	97	0.00
55	T	1,1,2-Trichloroethane	0.353	0.353	0.0	96	0.00
56	T	Ethyl methacrylate	0.546	0.599	-9.7	98	0.00
57	T	1,3-Dichloropropane	0.614	0.619	-0.8	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.276	0.298	-8.0	98	0.00
59	T	2-Hexanone	0.449	0.475	-5.8	95	0.00
60	T	Dibromochloromethane	0.385	0.398	-3.4	95	0.00
61	T	1,2-Dibromoethane	0.357	0.366	-2.5	96	0.00
62	S	4-Bromofluorobenzene	0.451	0.491	-8.9	106	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.353	0.323	8.5	91	0.00
65	PM	Chlorobenzene	1.068	1.043	2.3	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.371	0.368	0.8	97	0.00
67	C	Ethyl Benzene	1.914	1.917	-0.2#	94	0.00
68	T	m/p-Xylenes	0.696	0.709	-1.9	96	0.00
69	T	o-Xylene	0.686	0.699	-1.9	96	0.00
70	T	Styrene	1.132	1.185	-4.7	96	0.00
71	P	Bromoform	0.277	0.288	-4.0	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	4.005	3.906	2.5	97	0.00
74	T	N-amyl acetate	1.916	1.972	-2.9	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.407	1.291	8.2	97	0.00
76	T	1,2,3-Trichloropropane	1.220	1.130	7.4	96	0.00
77	T	Bromobenzene	0.925	0.881	4.8	98	0.00
78	T	n-propylbenzene	4.613	4.616	-0.1	98	0.00
79	T	2-Chlorotoluene	2.949	2.857	3.1	100	0.00
80	T	1,3,5-Trimethylbenzene	3.312	3.318	-0.2	98	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.351	2.2	98	0.00
82	T	4-Chlorotoluene	3.288	3.261	0.8	98	0.00
83	T	tert-Butylbenzene	3.279	3.287	-0.2	100	0.00
84	T	1,2,4-Trimethylbenzene	3.324	3.352	-0.8	99	0.00
85	T	sec-Butylbenzene	4.027	4.117	-2.2	99	0.00
86	T	p-Isopropyltoluene	3.320	3.412	-2.8	101	0.00
87	T	1,3-Dichlorobenzene	1.684	1.629	3.3	100	0.00
88	T	1,4-Dichlorobenzene	1.708	1.635	4.3	100	0.00
89	T	n-Butylbenzene	2.879	3.099	-7.6	102	0.00
90	T	Hexachloroethane	0.571	0.579	-1.4	101	0.00
91	T	1,2-Dichlorobenzene	1.675	1.610	3.9	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.294	0.301	-2.4	99	0.00
93	T	1,2,4-Trichlorobenzene	0.932	0.957	-2.7	105	0.00
94	T	Hexachlorobutadiene	0.402	0.411	-2.2	106	0.00
95	T	Naphthalene	3.469	3.516	-1.4	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 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	0.976	0.981	-0.5	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	50.000	49.789	0.4	92	0.00
3	P	Chloromethane	50.000	45.273	9.5	90	0.00
4	C	Vinyl Chloride	50.000	45.237	9.5#	90	0.00
5	T	Bromomethane	50.000	42.032	15.9	86	0.00
6	T	Chloroethane	50.000	47.617	4.8	91	0.00
7	T	Trichlorofluoromethane	50.000	47.866	4.3	94	0.00
8	T	Diethyl Ether	50.000	46.277	7.4	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.246	1.5	99	0.00
10	T	Methyl Iodide	50.000	45.000	10.0	88	0.00
11	T	Tert butyl alcohol	250.000	252.369	-0.9	100	0.00
12	CM	1,1-Dichloroethene	50.000	45.743	8.5#	93	0.00
13	T	Acrolein	250.000	186.241	25.5#	77	0.00
14	T	Allyl chloride	50.000	47.870	4.3	95	0.00
15	T	Acrylonitrile	250.000	237.140	5.1	92	0.00
16	T	Acetone	250.000	230.867	7.7	93	0.00
17	T	Carbon Disulfide	50.000	40.054	19.9	78	0.00
18	T	Methyl Acetate	50.000	52.996	-6.0	109	0.00
19	T	Methyl tert-butyl Ether	50.000	49.222	1.6	99	0.00
20	T	Methylene Chloride	50.000	46.141	7.7	93	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.197	9.6	90	0.00
22	T	Diisopropyl ether	50.000	47.818	4.4	95	0.00
23	T	Vinyl Acetate	250.000	246.059	1.6	93	0.00
24	P	1,1-Dichloroethane	50.000	46.549	6.9	95	0.00
25	T	2-Butanone	250.000	243.647	2.5	93	0.00
26	T	2,2-Dichloropropane	50.000	55.416	-10.8	109	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.644	8.7	92	0.00
28	T	Bromochloromethane	50.000	47.331	5.3	99	0.00
29	T	Tetrahydrofuran	250.000	236.531	5.4	92	0.00
30	C	Chloroform	50.000	47.500	5.0#	96	0.00
31	T	Cyclohexane	50.000	45.918	8.2	93	0.00
32	T	1,1,1-Trichloroethane	50.000	48.281	3.4	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.100	3.8	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	49.847	0.3	100	0.00
36	T	1,1-Dichloropropene	50.000	48.508	3.0	94	0.00
37	T	Ethyl Acetate	50.000	48.194	3.6	91	0.00
38	T	Carbon Tetrachloride	50.000	51.101	-2.2	97	0.00
39	T	Methylcyclohexane	50.000	50.764	-1.5	94	0.00
40	TM	Benzene	50.000	47.983	4.0	93	0.00
41	T	Methacrylonitrile	50.000	54.255	-8.5	96	0.00
42	TM	1,2-Dichloroethane	50.000	50.595	-1.2	96	0.00
43	T	Isopropyl Acetate	50.000	52.534	-5.1	96	0.00
44	TM	Trichloroethene	50.000	48.127	3.7	93	0.00
45	C	1,2-Dichloropropane	50.000	49.393	1.2#	94	0.00
46	T	Dibromomethane	50.000	49.152	1.7	92	0.00
47	T	Bromodichloromethane	50.000	50.194	-0.4	96	0.00
48	T	Methyl methacrylate	50.000	53.257	-6.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 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	1080.494	-8.0	98	0.00
50	S	Toluene-d8	50.000	49.525	1.0	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	263.661	-5.5	94	0.00
52	CM	Toluene	50.000	48.475	3.0#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	47.584	4.8	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.744	-7.5	97	0.00
55	T	1,1,2-Trichloroethane	50.000	50.076	-0.2	96	0.00
56	T	Ethyl methacrylate	50.000	54.894	-9.8	98	0.00
57	T	1,3-Dichloropropane	50.000	50.393	-0.8	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	270.217	-8.1	98	0.00
59	T	2-Hexanone	250.000	264.335	-5.7	95	0.00
60	T	Dibromochloromethane	50.000	51.692	-3.4	95	0.00
61	T	1,2-Dibromoethane	50.000	51.286	-2.6	96	0.00
62	S	4-Bromofluorobenzene	50.000	54.421	-8.8	106	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	45.712	8.6	91	0.00
65	PM	Chlorobenzene	50.000	48.815	2.4	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.662	0.7	97	0.00
67	C	Ethyl Benzene	50.000	50.102	-0.2#	94	0.00
68	T	m/p-Xylenes	100.000	101.879	-1.9	96	0.00
69	T	o-Xylene	50.000	50.973	-1.9	96	0.00
70	T	Styrene	50.000	52.356	-4.7	96	0.00
71	P	Bromoform	50.000	51.992	-4.0	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	48.759	2.5	97	0.00
74	T	N-amyl acetate	50.000	51.455	-2.9	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.869	8.3	97	0.00
76	T	1,2,3-Trichloropropane	50.000	46.318	7.4	96	0.00
77	T	Bromobenzene	50.000	47.589	4.8	98	0.00
78	T	n-propylbenzene	50.000	50.027	-0.1	98	0.00
79	T	2-Chlorotoluene	50.000	48.443	3.1	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.087	-0.2	98	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.803	2.4	98	0.00
82	T	4-Chlorotoluene	50.000	49.589	0.8	98	0.00
83	T	tert-Butylbenzene	50.000	50.120	-0.2	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.423	-0.8	99	0.00
85	T	sec-Butylbenzene	50.000	51.118	-2.2	99	0.00
86	T	p-Isopropyltoluene	50.000	51.391	-2.8	101	0.00
87	T	1,3-Dichlorobenzene	50.000	48.364	3.3	100	0.00
88	T	1,4-Dichlorobenzene	50.000	47.866	4.3	100	0.00
89	T	n-Butylbenzene	50.000	53.822	-7.6	102	0.00
90	T	Hexachloroethane	50.000	50.695	-1.4	101	0.00
91	T	1,2-Dichlorobenzene	50.000	48.079	3.8	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.215	-2.4	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.329	-2.7	105	0.00
94	T	Hexachlorobutadiene	50.000	51.144	-2.3	106	0.00
95	T	Naphthalene	50.000	50.677	-1.4	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045730.D
Acq On : 11 Apr 2025 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 11 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.247	-0.5	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG No.: Q1790

Instrument ID: MSVOA_X Calibration Date/Time: 04/14/2025 09:50

Lab File ID: VX045755.D Init. Calib. Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:06 19:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Trichloroethene	0.348	0.349		0.29	20
1,2-Dichloroethane-d4	0.914	0.872		-4.59	20
Dibromofluoromethane	0.355	0.354		-0.28	20
Toluene-d8	1.238	1.196		-3.39	20
4-Bromofluorobenzene	0.451	0.461		2.22	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\VX041425\
Data File : VX045755.D
Acq On : 14 Apr 2025 09:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	95673	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	163598	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83430	47.685	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.360%			
35) Dibromofluoromethane	5.379	113	57961	49.935	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.860%			
50) Toluene-d8	8.647	98	195663	48.295	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.600%			
62) 4-Bromofluorobenzene	11.079	95	75412	51.102	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	76558	53.508	ug/l	99
3) Chloromethane	1.301	50	70245	47.789	ug/l	98
4) Vinyl Chloride	1.374	62	64467	47.924	ug/l	99
5) Bromomethane	1.593	94	28480	44.652	ug/l	100
6) Chloroethane	1.660	64	33383	46.775	ug/l	100
7) Trichlorofluoromethane	1.867	101	100609	50.156	ug/l	98
8) Diethyl Ether	2.130	74	33460	49.684	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	60895	51.806	ug/l	98
10) Methyl Iodide	2.441	142	70005	47.748	ug/l	97
11) Tert butyl alcohol	2.983	59	58856	250.309	ug/l	98
12) 1,1-Dichloroethene	2.306	96	55655	48.457	ug/l	99
13) Acrolein	2.233	56	78231	241.606	ug/l	99
14) Allyl chloride	2.654	41	109749	50.361	ug/l	100
15) Acrylonitrile	3.062	53	181035	243.906	ug/l	99
16) Acetone	2.386	43	171672	238.951	ug/l	98
17) Carbon Disulfide	2.502	76	125744	44.327	ug/l	100
18) Methyl Acetate	2.703	43	94280	56.997	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	203852	50.737	ug/l	99
20) Methylene Chloride	2.782	84	64856	48.220	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	56412	48.076	ug/l	99
22) Diisopropyl ether	3.757	45	216534	50.441	ug/l	98
23) Vinyl Acetate	3.715	43	931076	251.035	ug/l	100
24) 1,1-Dichloroethane	3.599	63	118449	48.790	ug/l	100
25) 2-Butanone	4.550	43	258577	245.878	ug/l	99
26) 2,2-Dichloropropane	4.465	77	91501	58.335	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	68392	47.841	ug/l	96
28) Bromochloromethane	4.891	49	55323	47.156	ug/l	98
29) Tetrahydrofuran	5.001	42	163266	239.457	ug/l	99
30) Chloroform	5.086	83	124464	49.824	ug/l	97
31) Cyclohexane	5.458	56	100051	46.617	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	108272	51.222	ug/l	99
36) 1,1-Dichloropropene	5.678	75	78944	50.372	ug/l	99
37) Ethyl Acetate	4.708	43	95784	48.498	ug/l	99
38) Carbon Tetrachloride	5.672	117	91354	53.935	ug/l	95
39) Methylcyclohexane	7.373	83	98580	51.314	ug/l	97
40) Benzene	6.025	78	235268	49.153	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045755.D
Acq On : 14 Apr 2025 09:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	56265	53.993	ug/l		99
42) 1,2-Dichloroethane	6.080	62	104222	52.719	ug/l		99
43) Isopropyl Acetate	6.336	43	156737	52.361	ug/l		100
44) Trichloroethene	7.123	130	57061	50.156	ug/l		98
45) 1,2-Dichloropropane	7.421	63	60411	50.585	ug/l		98
46) Dibromomethane	7.574	93	47226	51.514	ug/l		99
47) Bromodichloromethane	7.818	83	97522	53.266	ug/l		98
48) Methyl methacrylate	7.690	41	81782	52.915	ug/l		98
49) 1,4-Dioxane	7.659	88	29104	1040.803	ug/l		98
51) 4-Methyl-2-Pentanone	8.568	43	520228	262.161	ug/l		100
52) Toluene	8.714	92	144493	49.889	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86380	49.105	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	94847	55.128	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	58117	50.356	ug/l		97
56) Ethyl methacrylate	9.116	69	94217	52.749	ug/l		99
57) 1,3-Dichloropropane	9.305	76	102214	50.859	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	241159	266.898	ug/l		99
59) 2-Hexanone	9.427	43	383359	260.880	ug/l		99
60) Dibromochloromethane	9.519	129	67936	53.994	ug/l		99
61) 1,2-Dibromoethane	9.604	107	61231	52.409	ug/l		97
64) Tetrachloroethene	9.269	164	51533	50.573	ug/l		95
65) Chlorobenzene	10.073	112	157855	51.185	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56077	52.374	ug/l		98
67) Ethyl Benzene	10.189	91	284632	51.532	ug/l		100
68) m/p-Xylenes	10.299	106	208335	103.705	ug/l		99
69) o-Xylene	10.640	106	102076	51.580	ug/l		97
70) Styrene	10.653	104	174780	53.510	ug/l		99
71) Bromoform	10.799	173	43838	54.834	ug/l	#	96
73) Isopropylbenzene	10.957	105	275267	49.552	ug/l		100
74) N-amyl acetate	10.841	43	131941	49.653	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	90851	46.556	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	78651m	46.494	ug/l		
77) Bromobenzene	11.195	156	61979	48.288	ug/l		99
78) n-propylbenzene	11.299	91	324037	50.642	ug/l		100
79) 2-Chlorotoluene	11.360	91	200089	48.915	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	236722	51.533	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	24981	50.119	ug/l		98
82) 4-Chlorotoluene	11.451	91	230367	50.511	ug/l		99
83) tert-Butylbenzene	11.713	119	230281	50.636	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	240175	52.093	ug/l		99
85) sec-Butylbenzene	11.890	105	291060	52.107	ug/l		100
86) p-Isopropyltoluene	12.006	119	240485	52.221	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	115588	49.473	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	115905	48.933	ug/l		99
89) n-Butylbenzene	12.329	91	214560	53.729	ug/l		100
90) Hexachloroethane	12.536	117	43129	54.495	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	115233	49.608	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21859	53.561	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	69443	53.707	ug/l		98
94) Hexachlorobutadiene	13.725	225	29151	52.320	ug/l		98
95) Naphthalene	13.774	128	244667	50.849	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	70168	51.826	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045755.D
Acq On : 14 Apr 2025 09:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

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

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

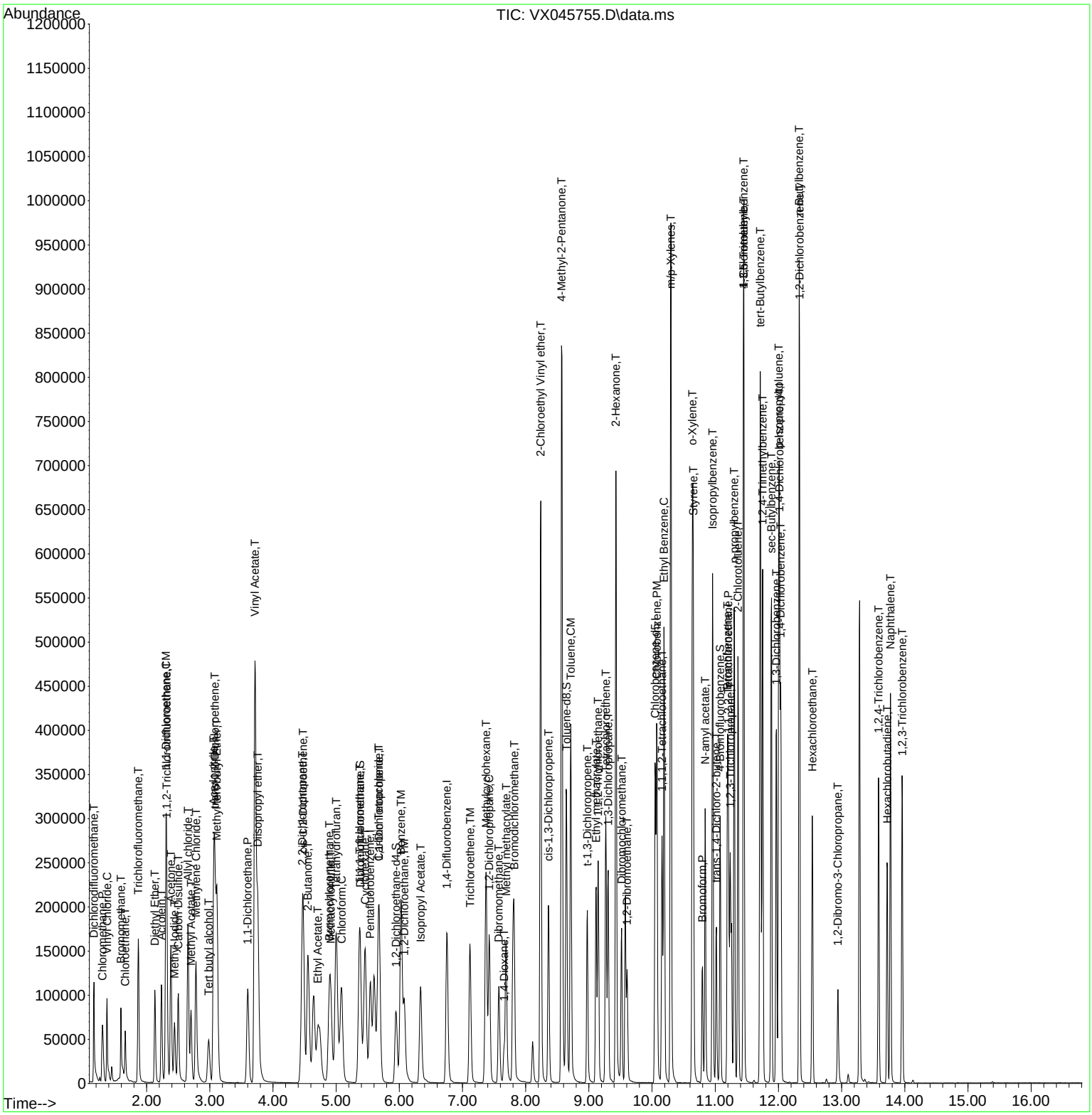
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Data File : VX045755.D
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Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

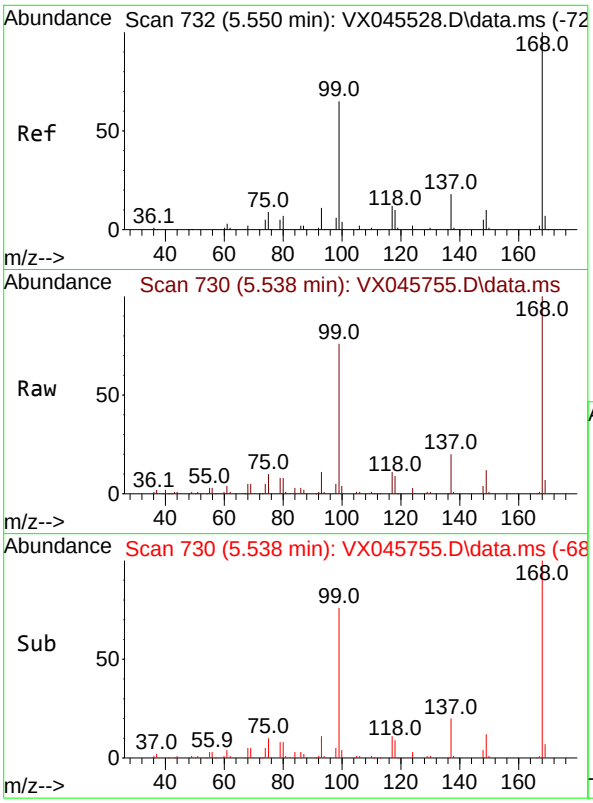
Quant Time: Apr 15 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

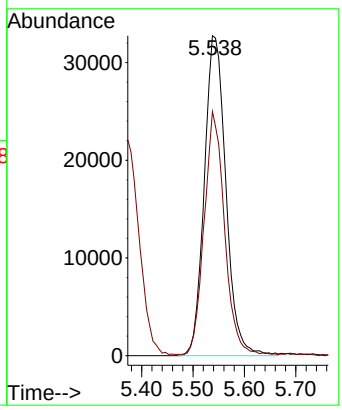




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:168 Resp: 9567

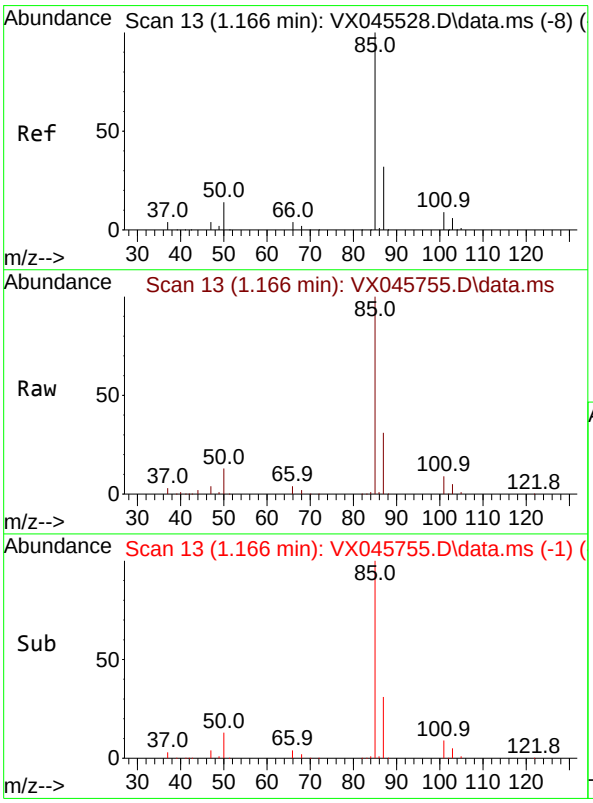
Ion	Ratio	Lower	Upper
168	100		
99	75.9	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

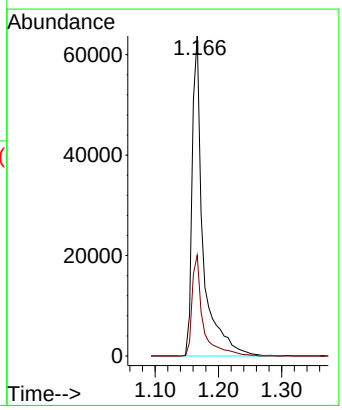
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

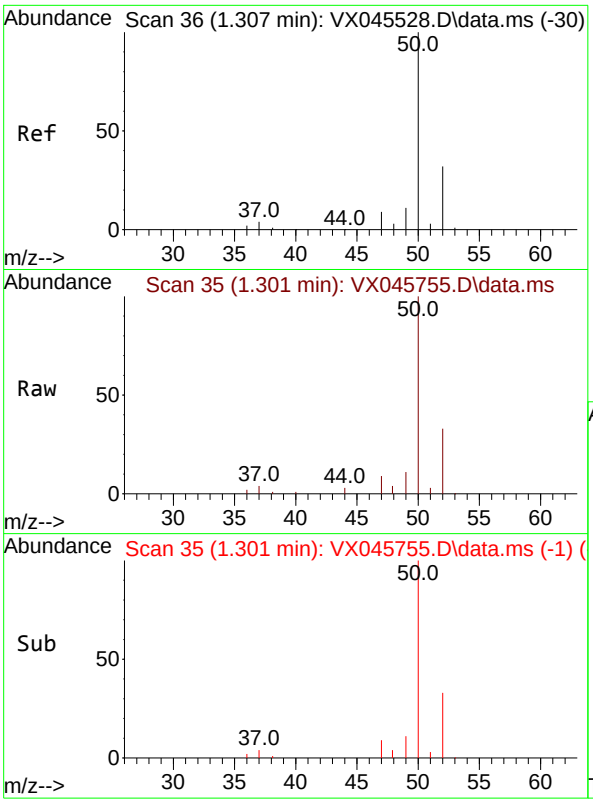


#2
Dichlorodifluoromethane
Concen: 53.508 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 85 Resp: 76558

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.1	48.2

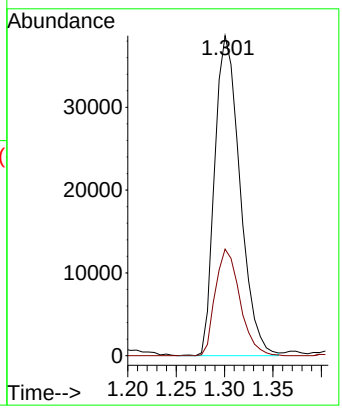




#3
Chloromethane
Concen: 47.789 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 50 Resp: 7024

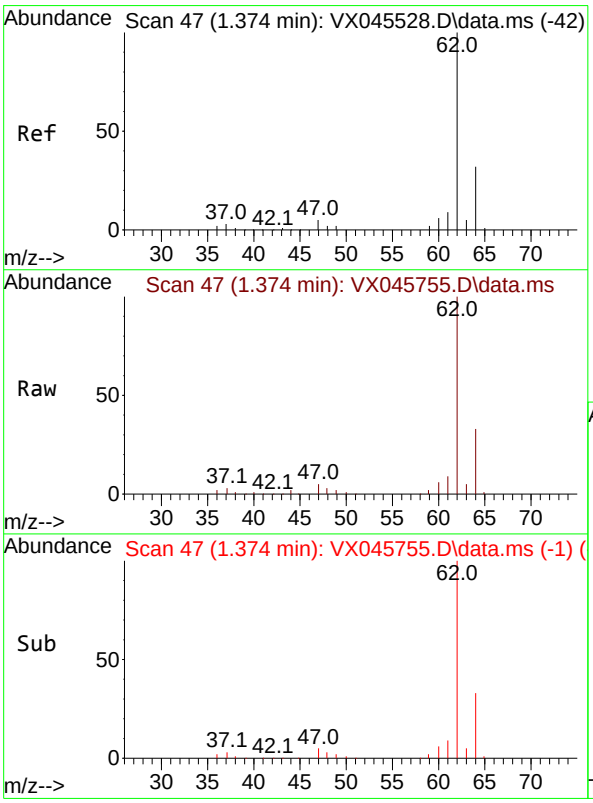
Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

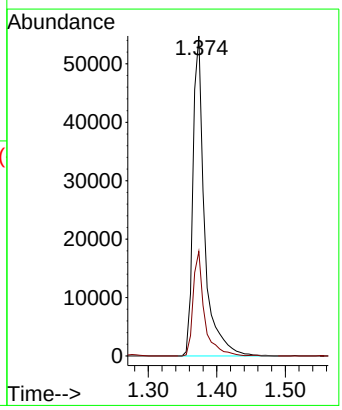
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

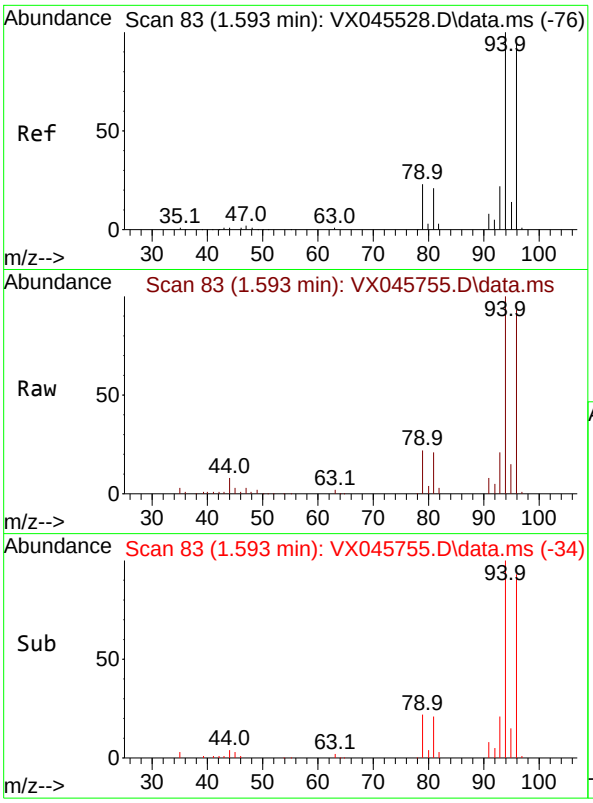


#4
Vinyl Chloride
Concen: 47.924 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 62 Resp: 64467

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.5	38.3

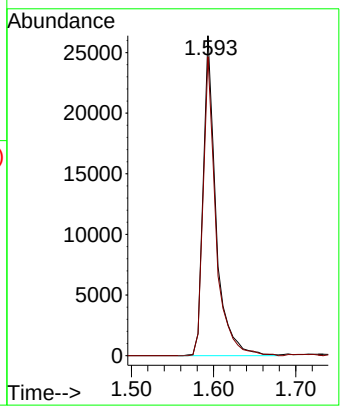




#5
Bromomethane
Concen: 44.652 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 94 Resp: 2848

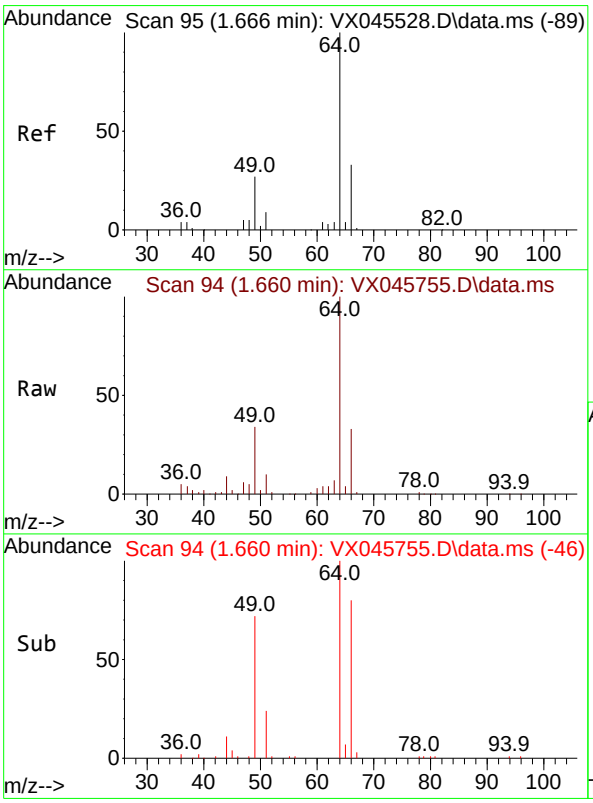
Ion	Ratio	Lower	Upper
94	100		
96	93.5	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

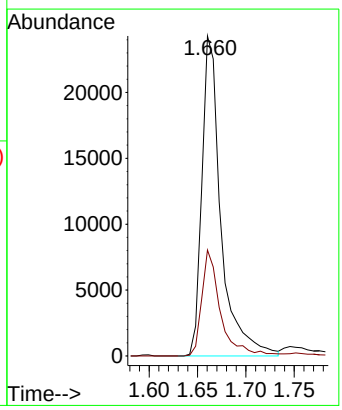
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

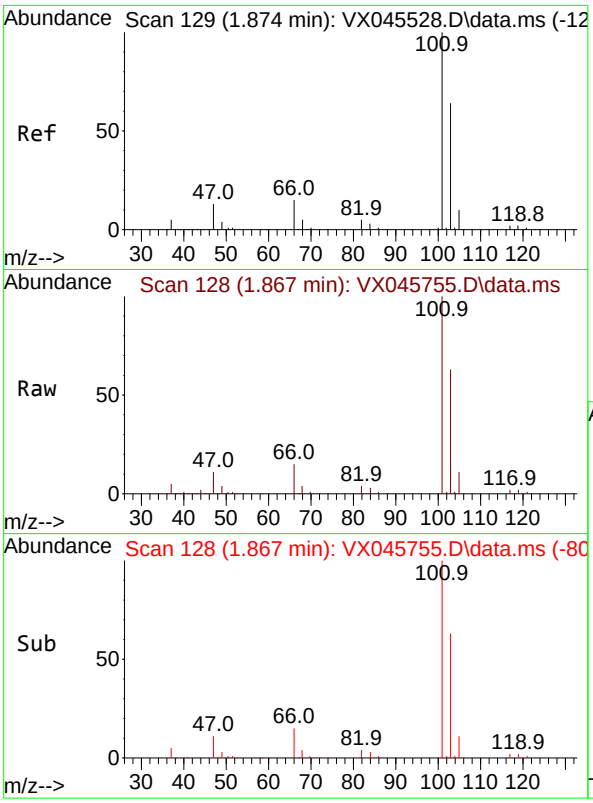


#6
Chloroethane
Concen: 46.775 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 64 Resp: 33383

Ion	Ratio	Lower	Upper
64	100		
66	33.1	26.3	39.5





#7
Trichlorofluoromethane
Concen: 50.156 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

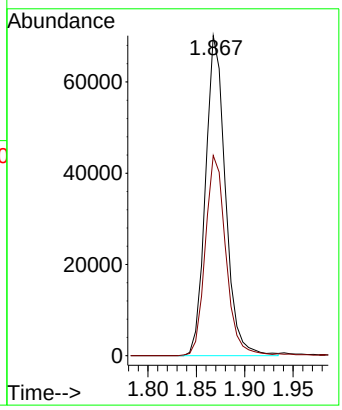
Tgt Ion:101 Resp: 10060

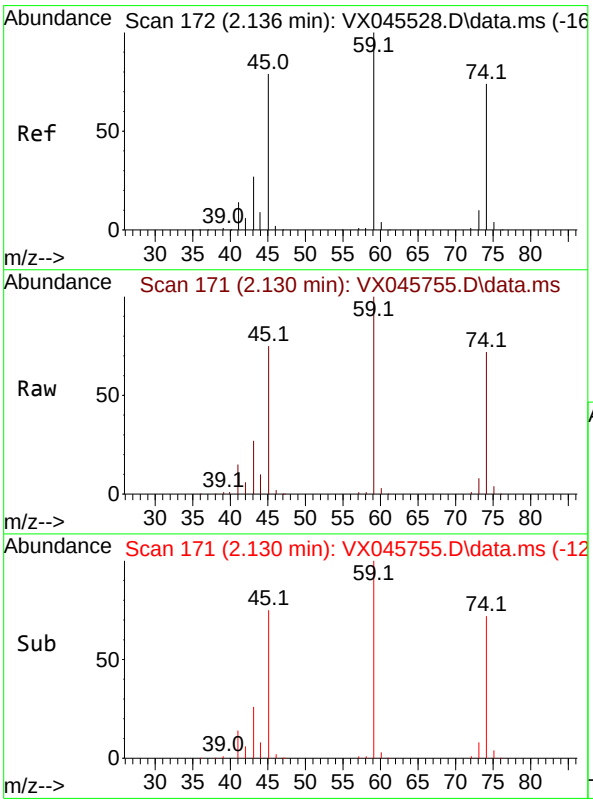
Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.1	76.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

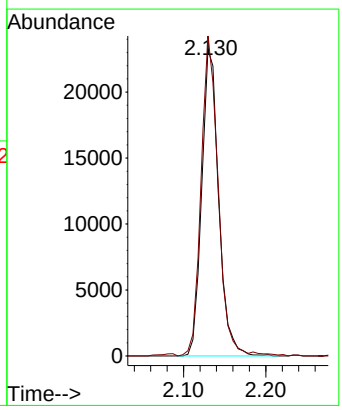


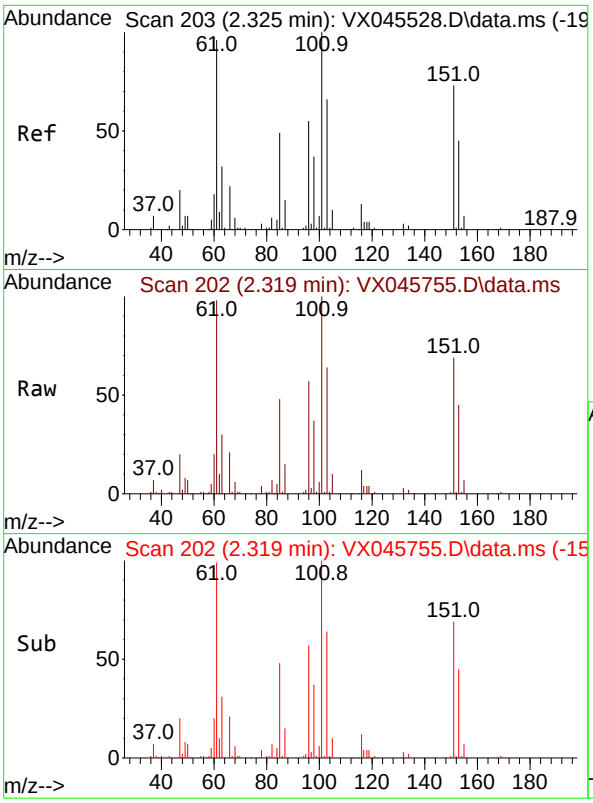


#8
Diethyl Ether
Concen: 49.684 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 74 Resp: 33460

Ion	Ratio	Lower	Upper
74	100		
45	105.4	53.0	159.1

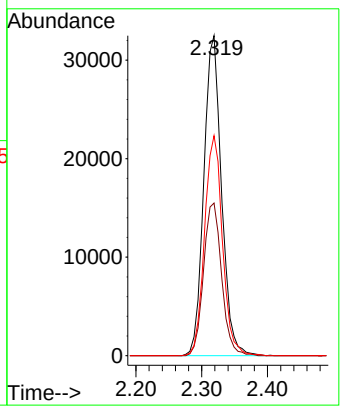




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.806 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:101 Resp: 6089

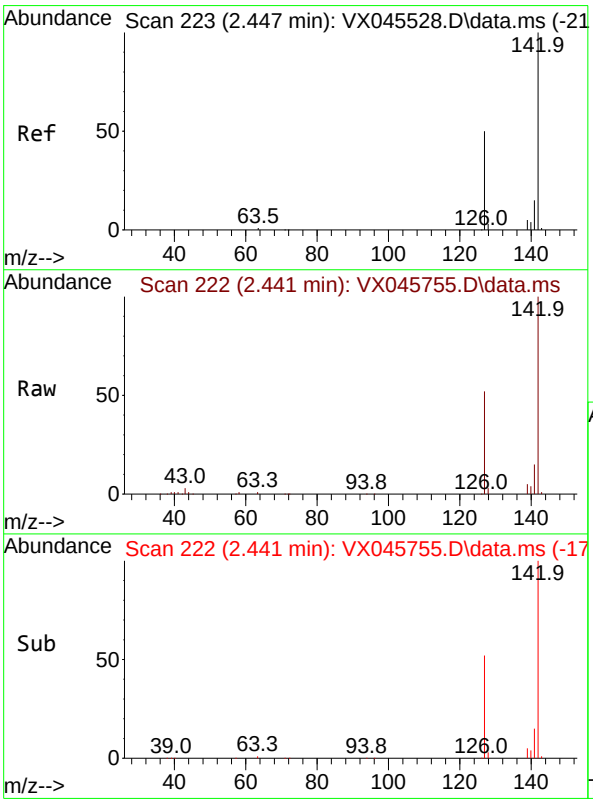
Ion	Ratio	Lower	Upper
101	100		
85	48.7	38.9	58.3
151	69.6	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

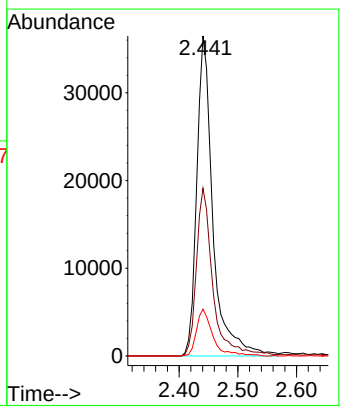
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

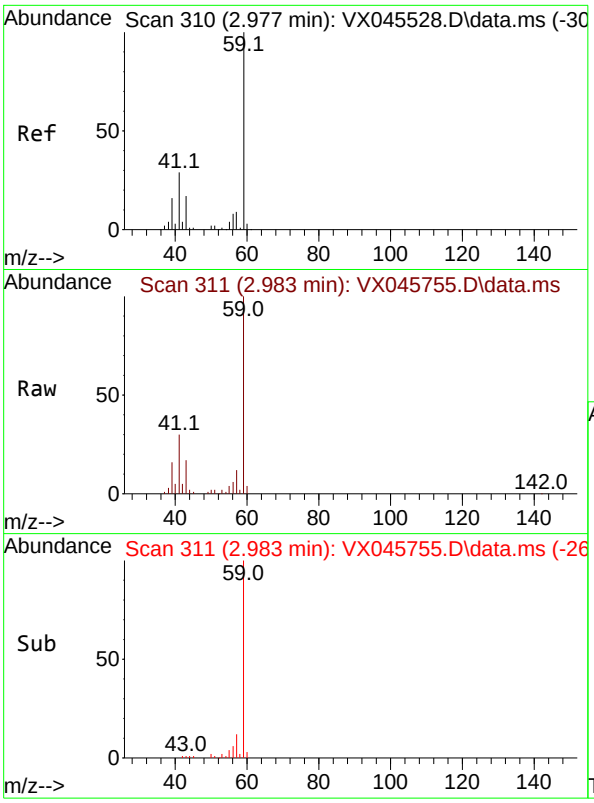


#10
Methyl Iodide
Concen: 47.748 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:142 Resp: 70005

Ion	Ratio	Lower	Upper
142	100		
127	53.2	40.2	60.4
141	14.7	11.7	17.5





#11
Tert butyl alcohol
Concen: 250.309 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

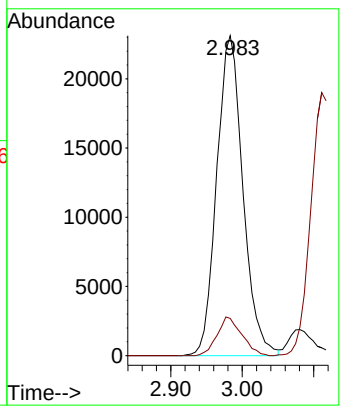
Tgt Ion: 59 Resp: 5885

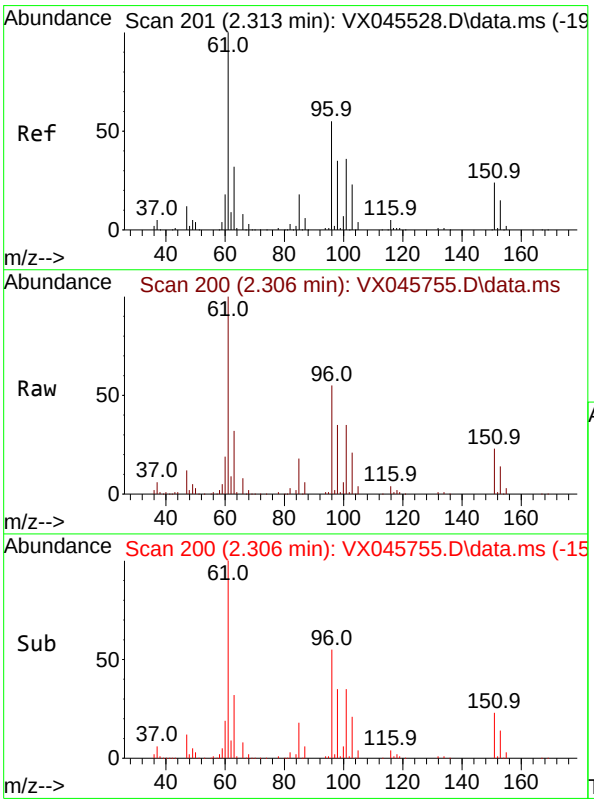
Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

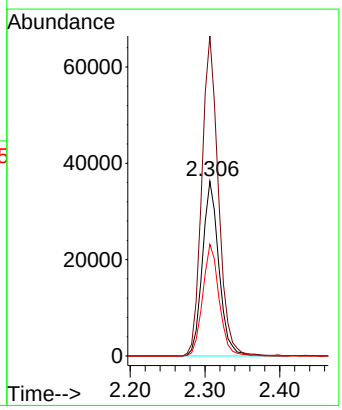


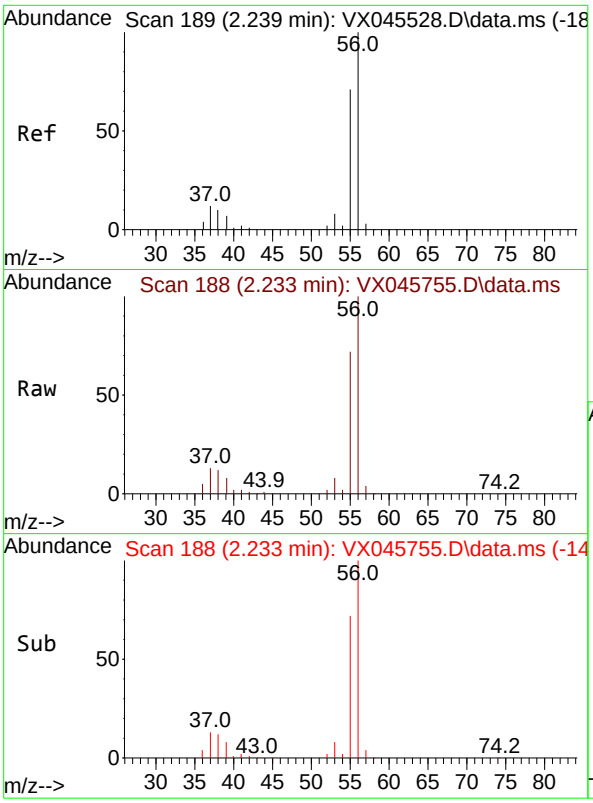


#12
1,1-Dichloroethene
Concen: 48.457 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 96 Resp: 55655

Ion	Ratio	Lower	Upper
96	100		
61	183.2	145.7	218.5
98	63.9	51.6	77.4

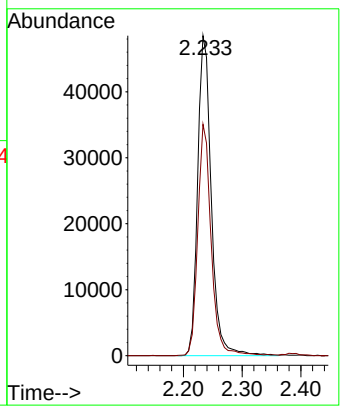




#13
Acrolein
Concen: 241.606 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 56 Resp: 7823

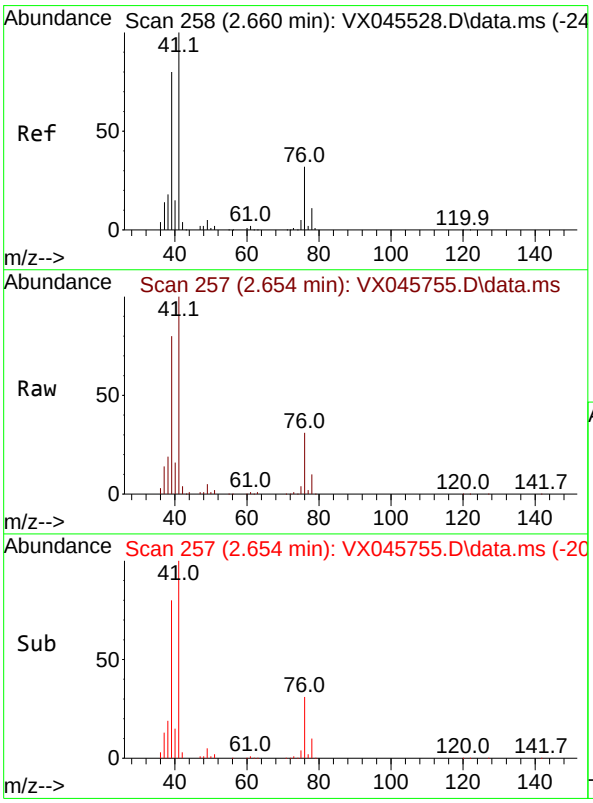
Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

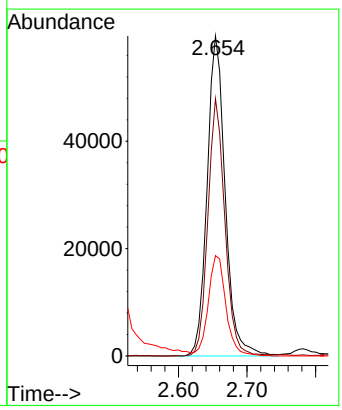
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

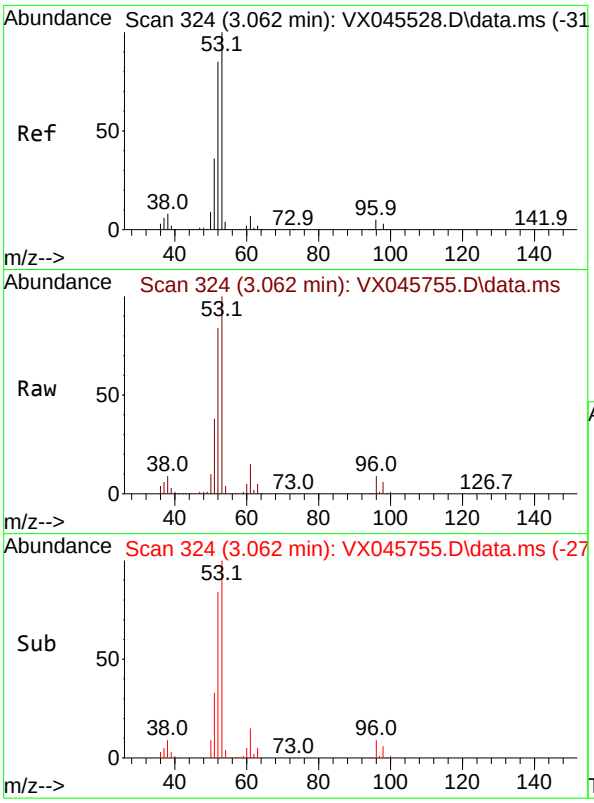


#14
Allyl chloride
Concen: 50.361 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 41 Resp: 109749

Ion	Ratio	Lower	Upper
41	100		
39	75.4	60.2	90.2
76	30.7	24.6	36.8





#15
Acrylonitrile
Concen: 243.906 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

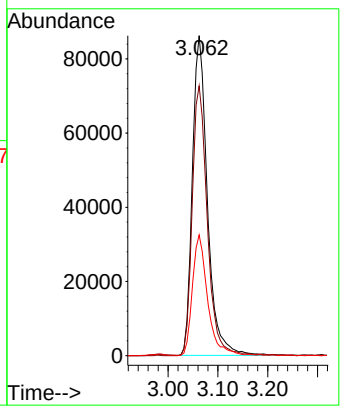
Tgt Ion: 53 Resp: 18103

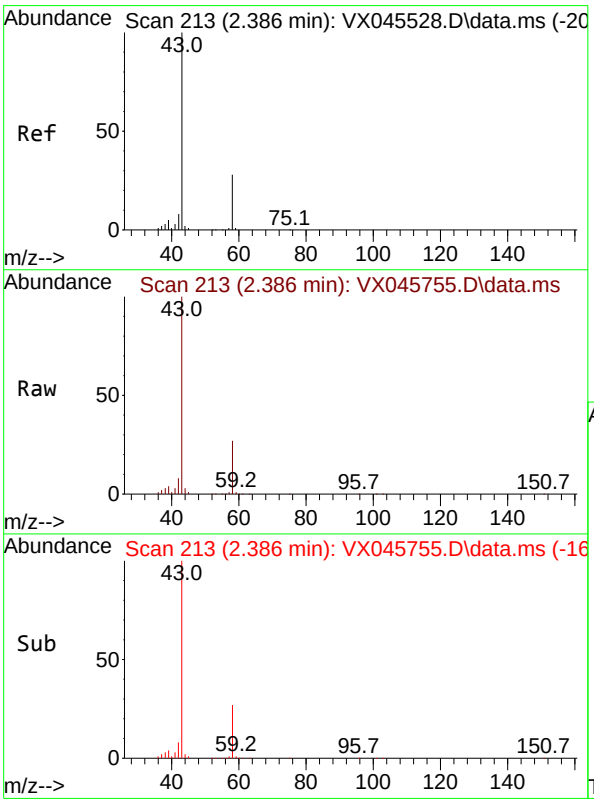
Ion	Ratio	Lower	Upper
53	100		
52	84.5	67.4	101.2
51	38.5	29.9	44.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

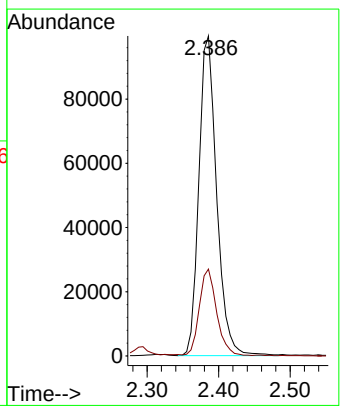


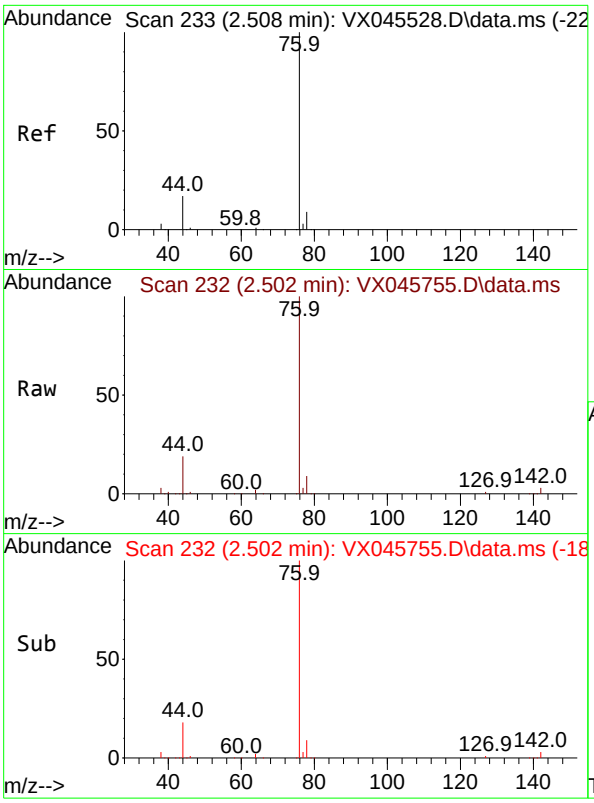


#16
Acetone
Concen: 238.951 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 43 Resp: 171672

Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.3	33.5

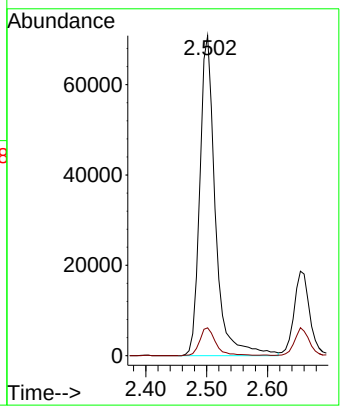




#17
Carbon Disulfide
Concen: 44.327 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 76 Resp: 12574

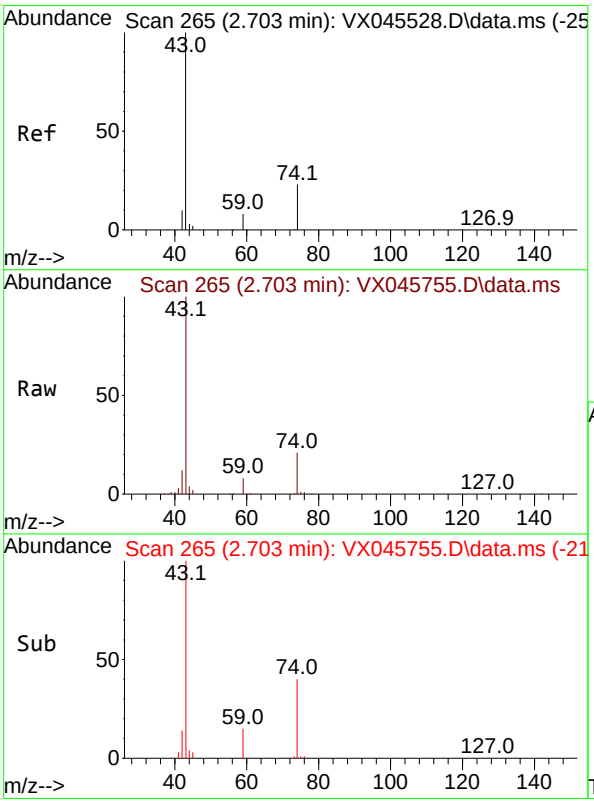
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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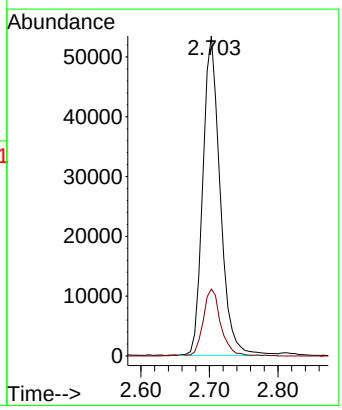
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

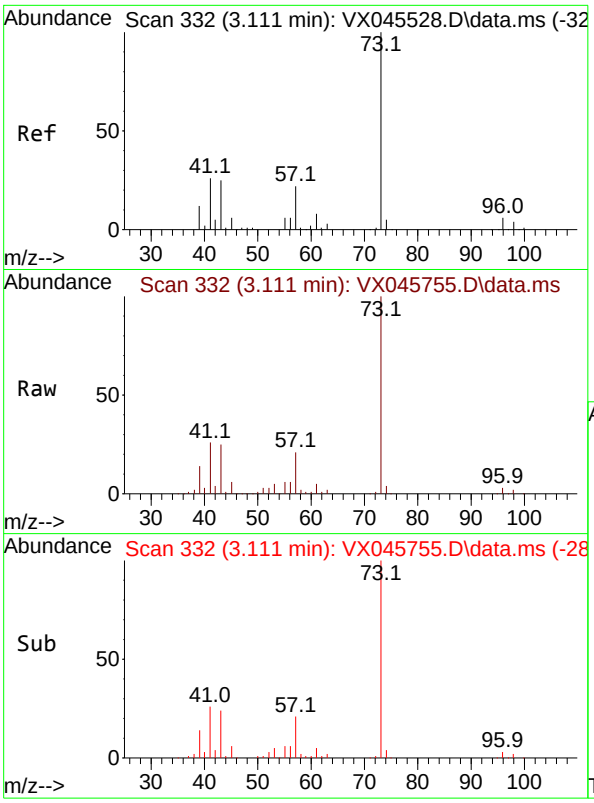


#18
Methyl Acetate
Concen: 56.997 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 43 Resp: 94280

Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.5	26.3

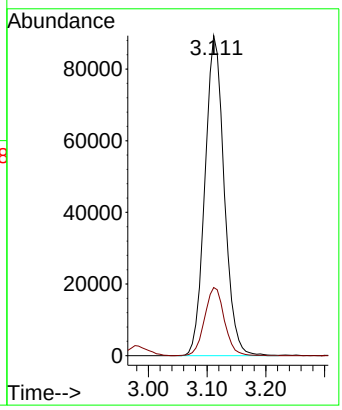




#19
Methyl tert-butyl Ether
Concen: 50.737 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 73 Resp: 20385

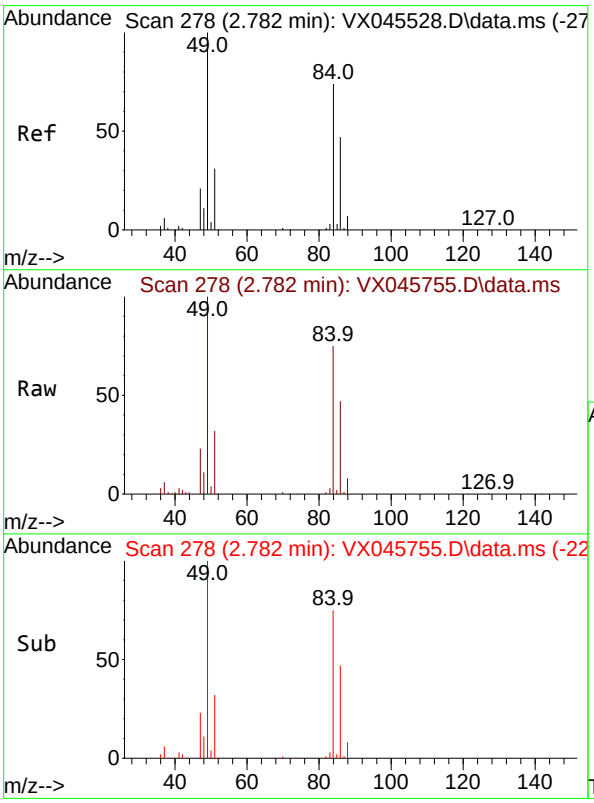
Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

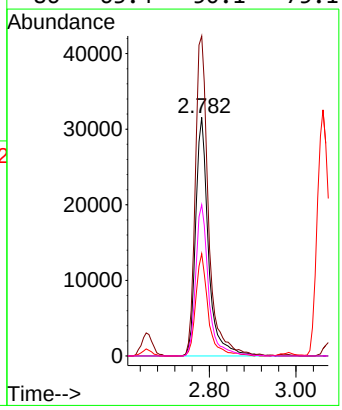
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

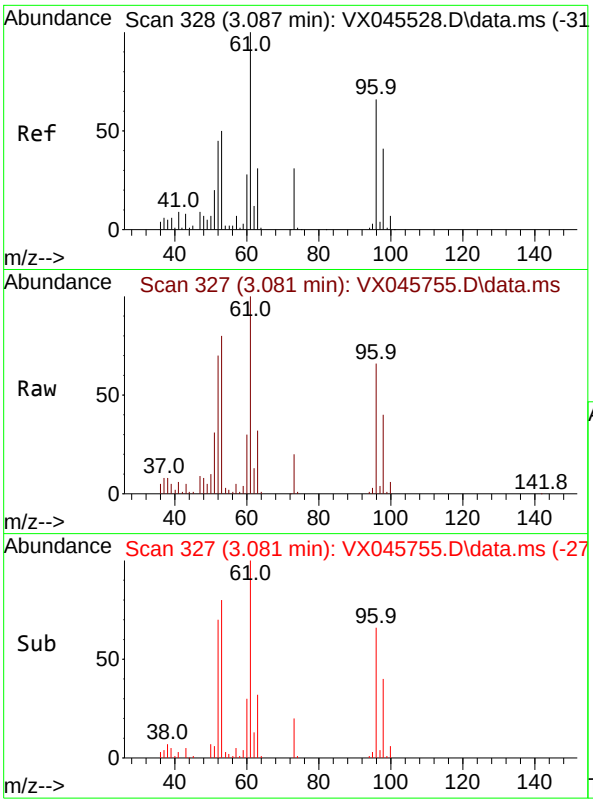


#20
Methylene Chloride
Concen: 48.220 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 84 Resp: 64856

Ion	Ratio	Lower	Upper
84	100		
49	134.2	107.5	161.3
51	42.9	33.0	49.6
86	63.4	50.1	75.1





#21
trans-1,2-Dichloroethene
Concen: 48.076 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

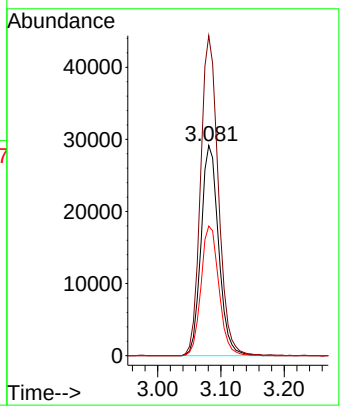
Tgt Ion: 96 Resp: 5641

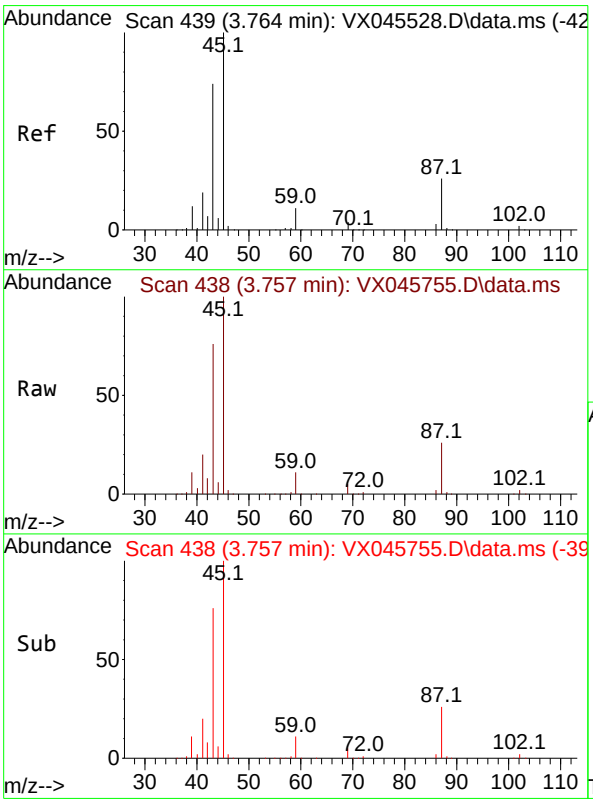
Ion	Ratio	Lower	Upper
96	100		
61	152.2	121.0	181.6
98	61.6	49.7	74.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

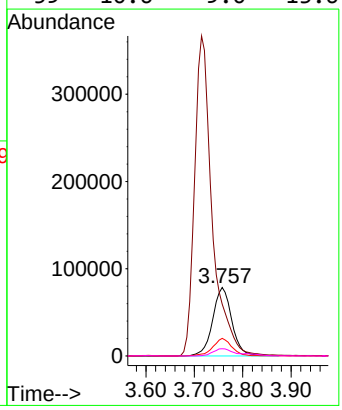


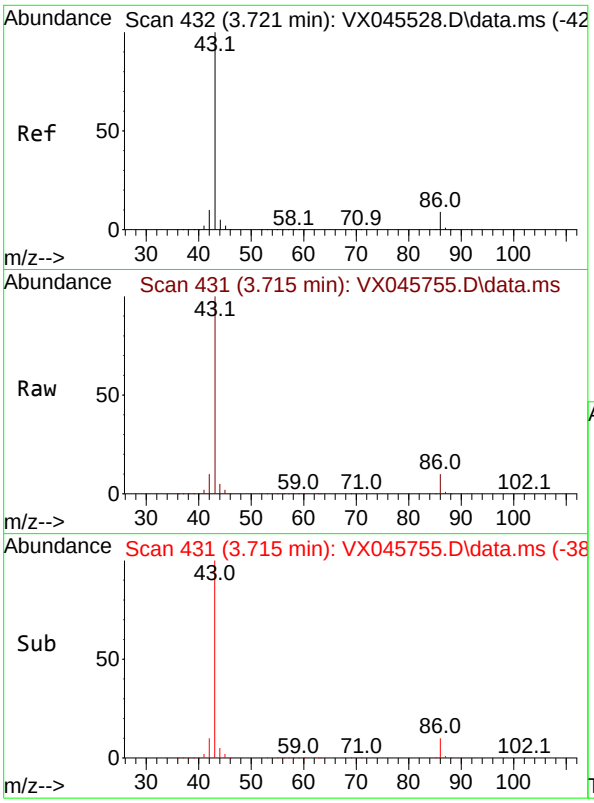


#22
Diisopropyl ether
Concen: 50.441 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 45 Resp: 216534

Ion	Ratio	Lower	Upper
45	100		
43	75.8	59.3	88.9
87	25.6	20.4	30.6
59	10.6	9.0	13.6





#23
Vinyl Acetate
Concen: 251.035 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

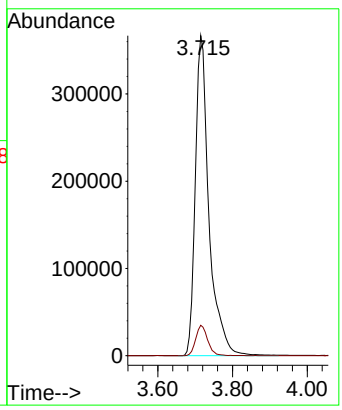
Tgt Ion: 43 Resp: 93107

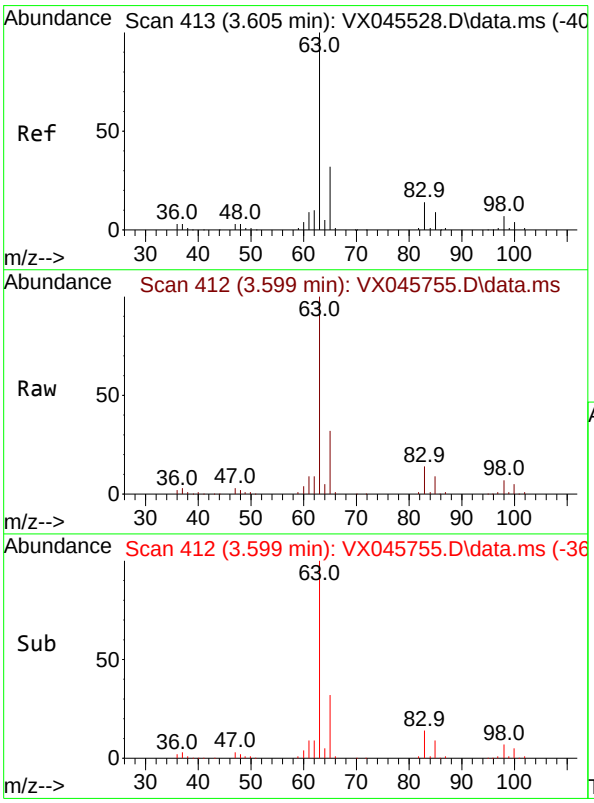
Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

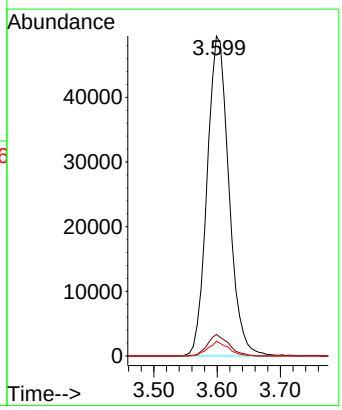


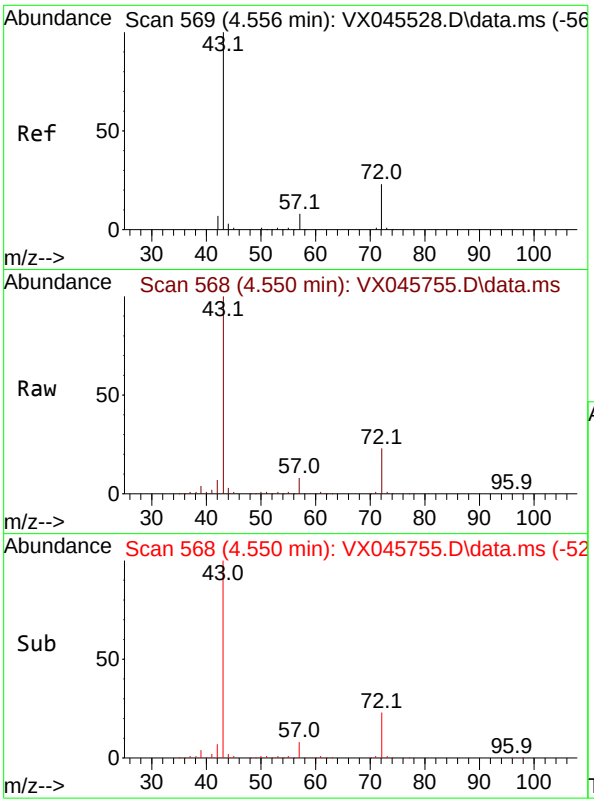


#24
1,1-Dichloroethane
Concen: 48.790 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 63 Resp: 118449

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.6	2.2	6.6

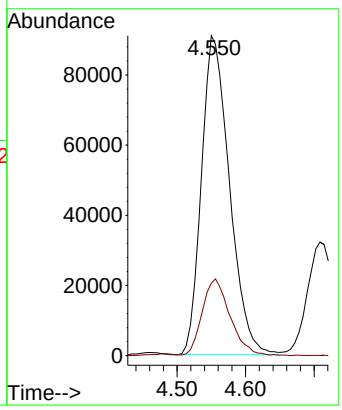




#25
2-Butanone
Concen: 245.878 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 43 Resp: 25857

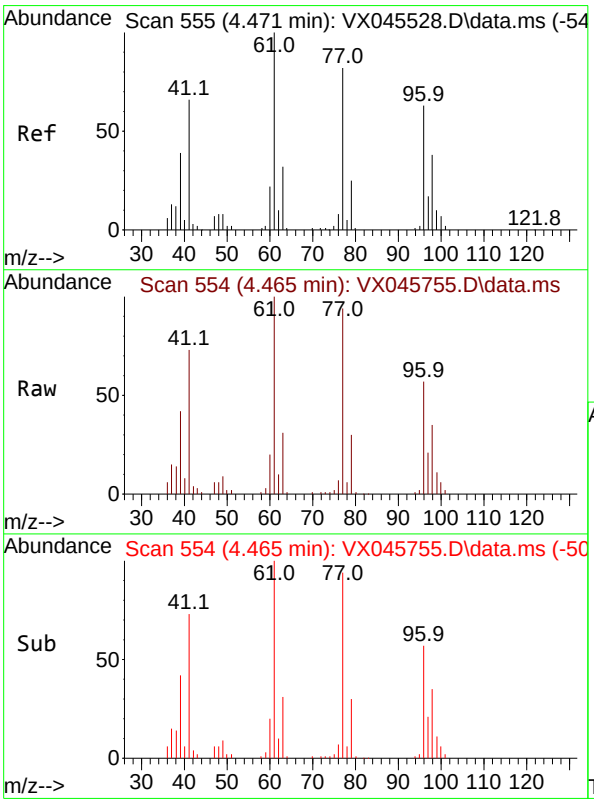
Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

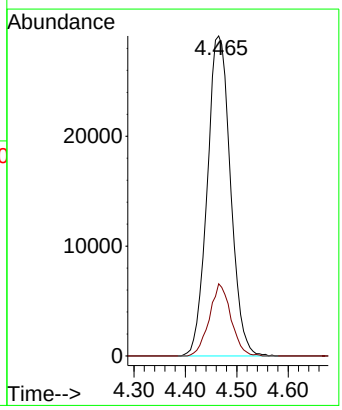
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

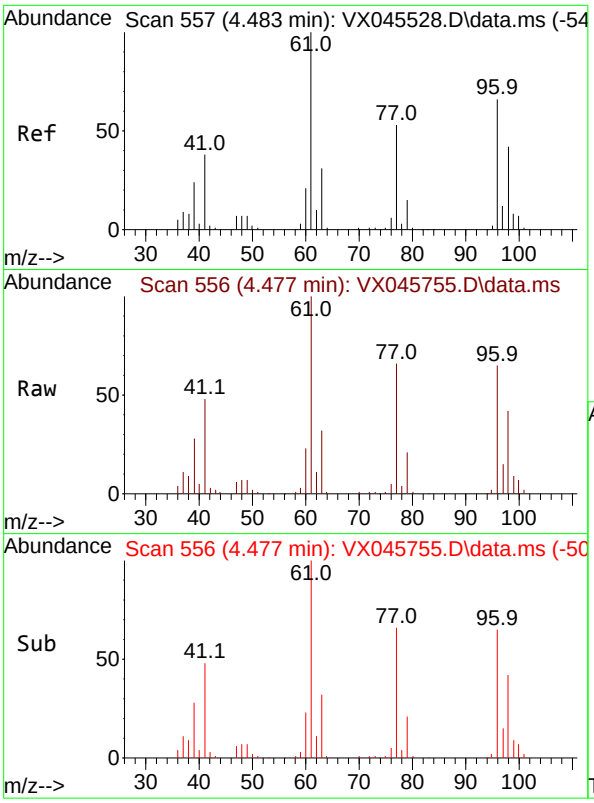


#26
2,2-Dichloropropane
Concen: 58.335 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 77 Resp: 91501

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.6	31.8

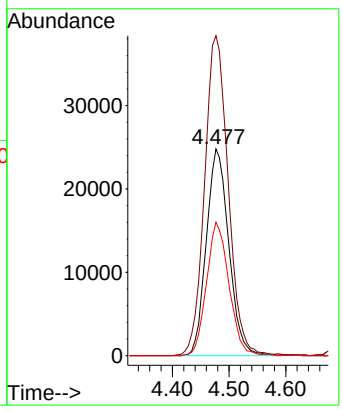




#27
cis-1,2-Dichloroethene
Concen: 47.841 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 96 Resp: 6839

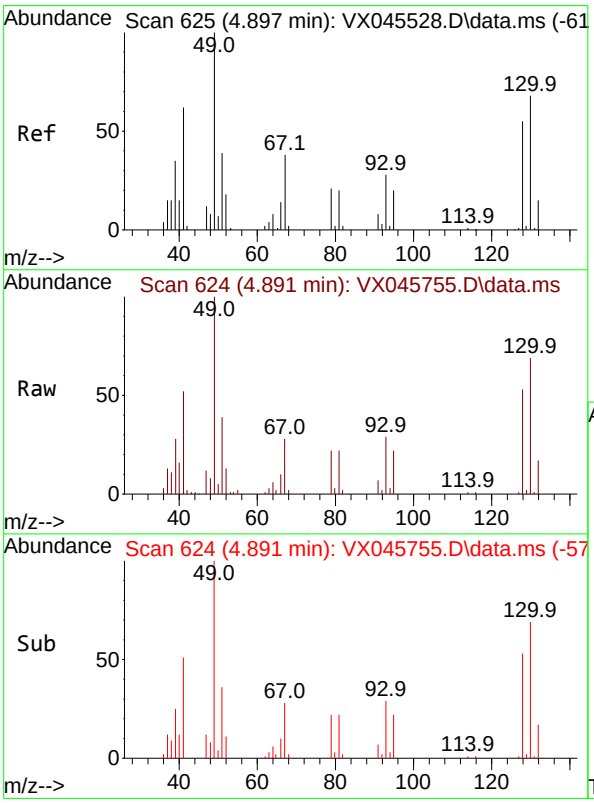
Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	313.2
98	64.1	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

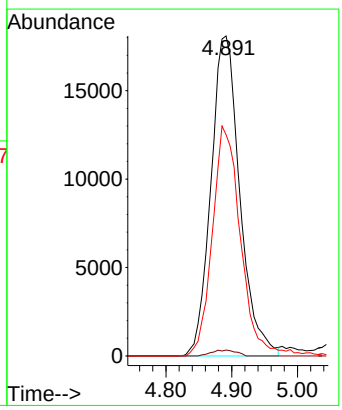
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

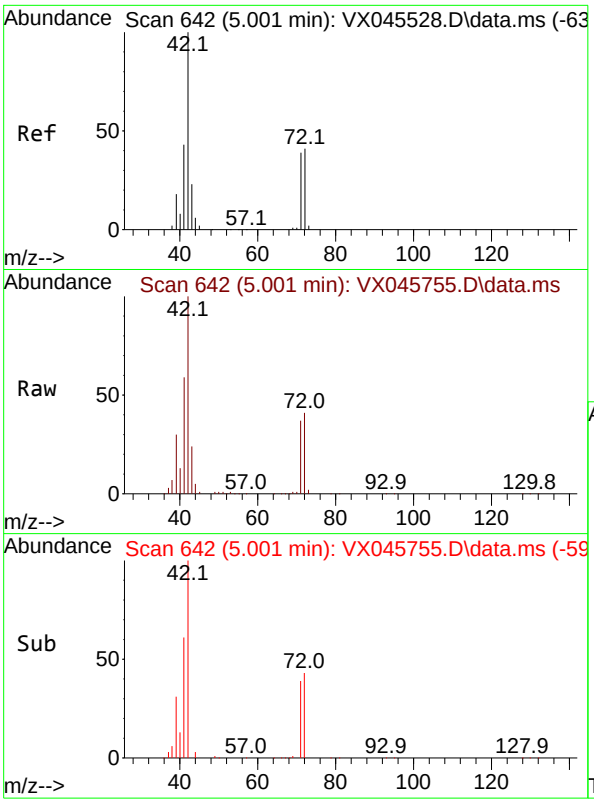


#28
Bromochloromethane
Concen: 47.156 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 49 Resp: 55323

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	70.1	54.6	81.8





#29
Tetrahydrofuran
Concen: 239.457 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

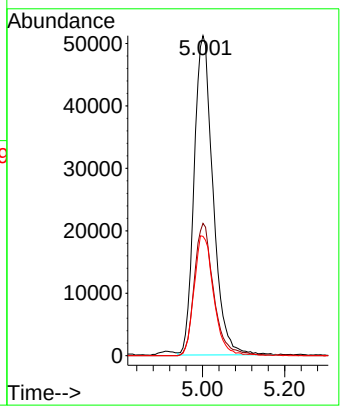
Tgt Ion: 42 Resp: 16326

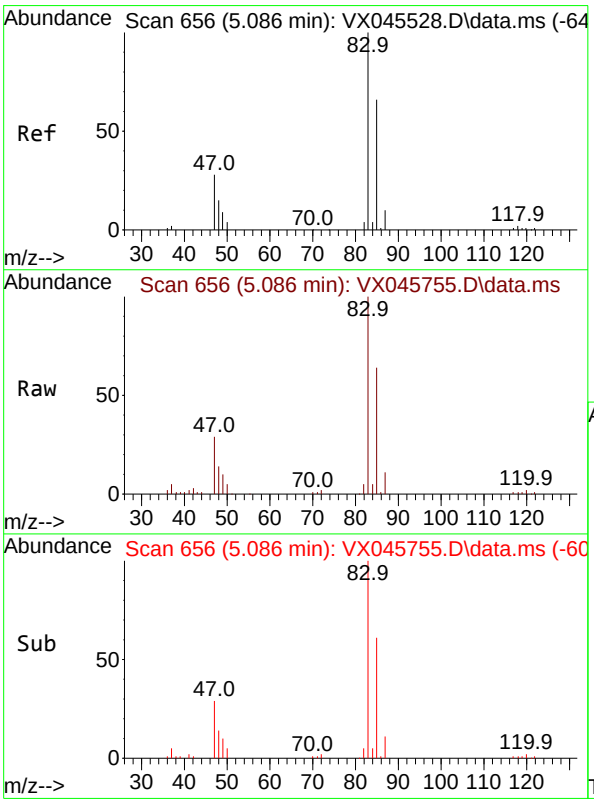
Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.4	50.0
71	38.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

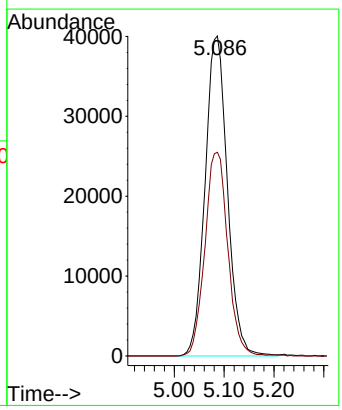


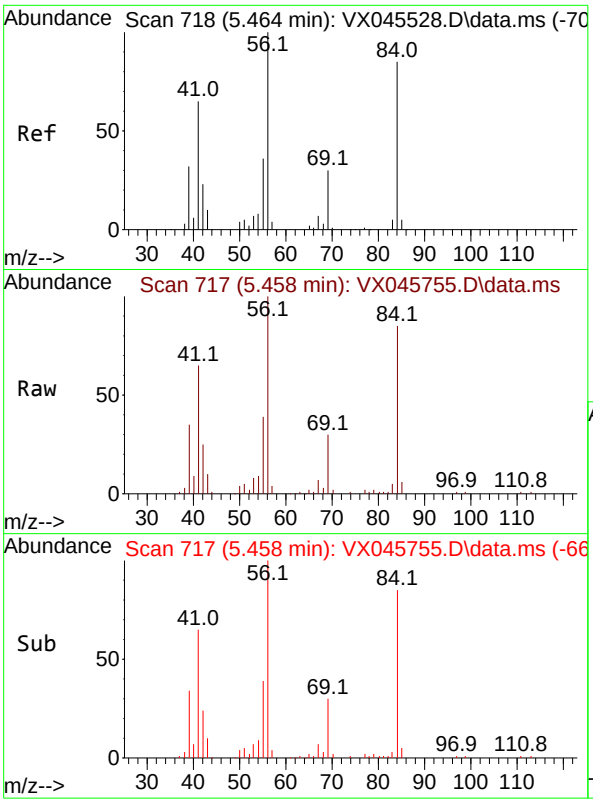


#30
Chloroform
Concen: 49.824 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 83 Resp: 124464

Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.8	79.2

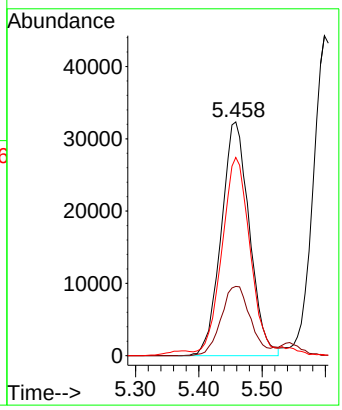




#31
Cyclohexane
Concen: 46.617 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 56 Resp: 10005

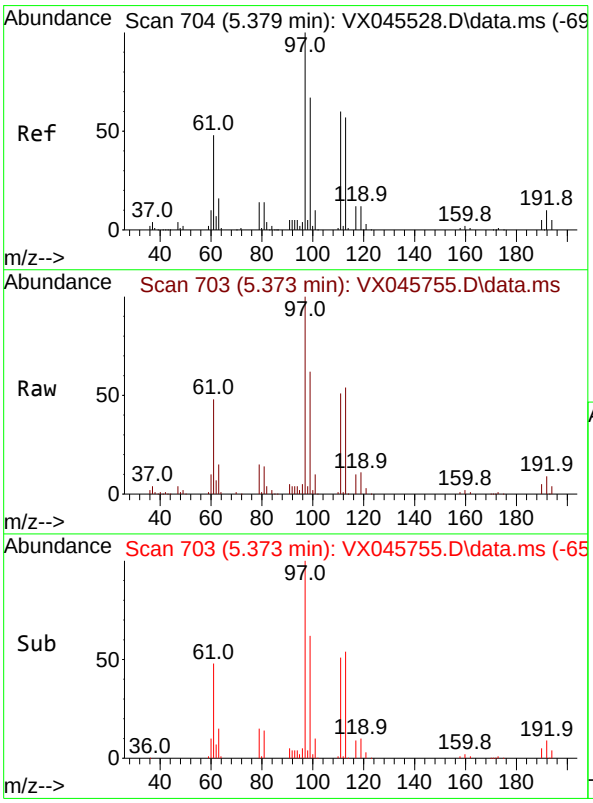
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.6	35.4
84	82.9	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

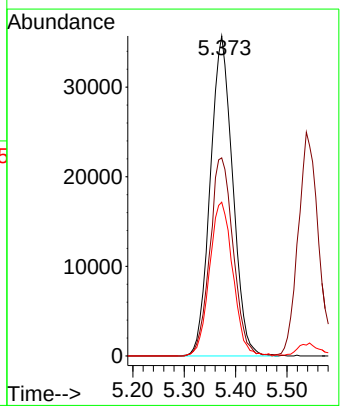
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

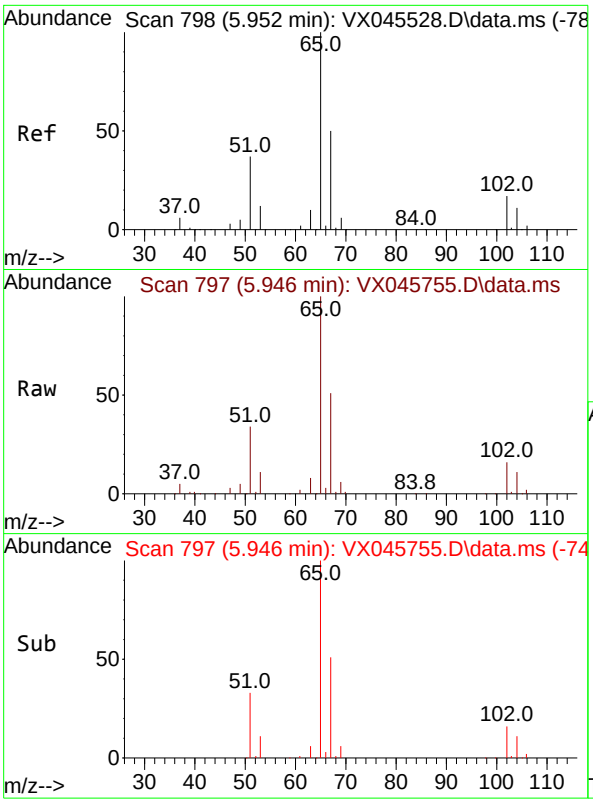


#32
1,1,1-Trichloroethane
Concen: 51.222 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 97 Resp: 108272

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	50.1	41.0	61.4

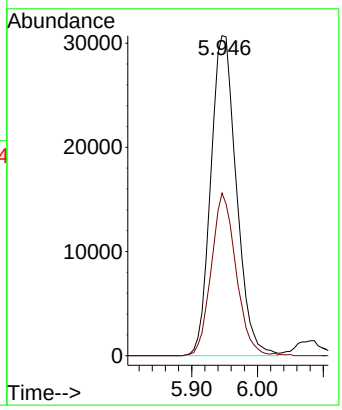




#33
1,2-Dichloroethane-d4
Concen: 47.685 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 65 Resp: 8343

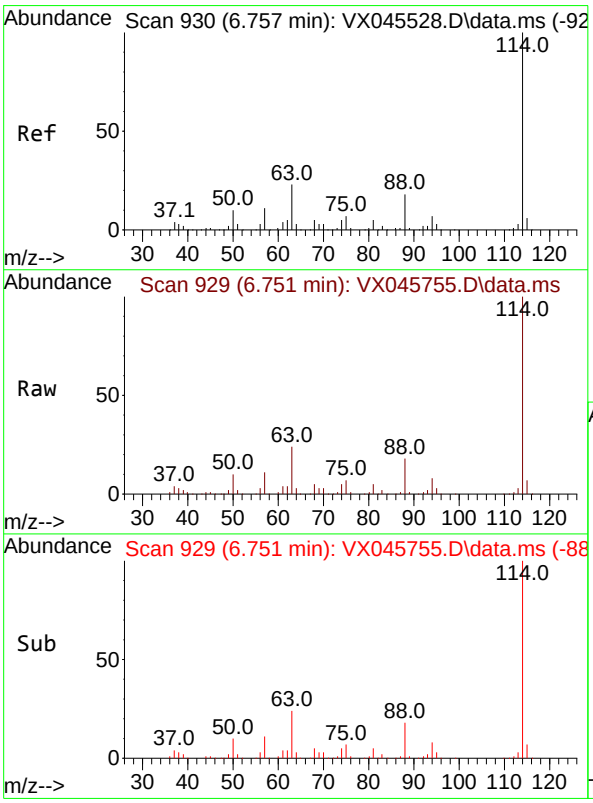
Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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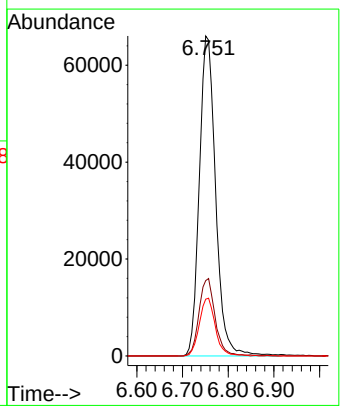
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

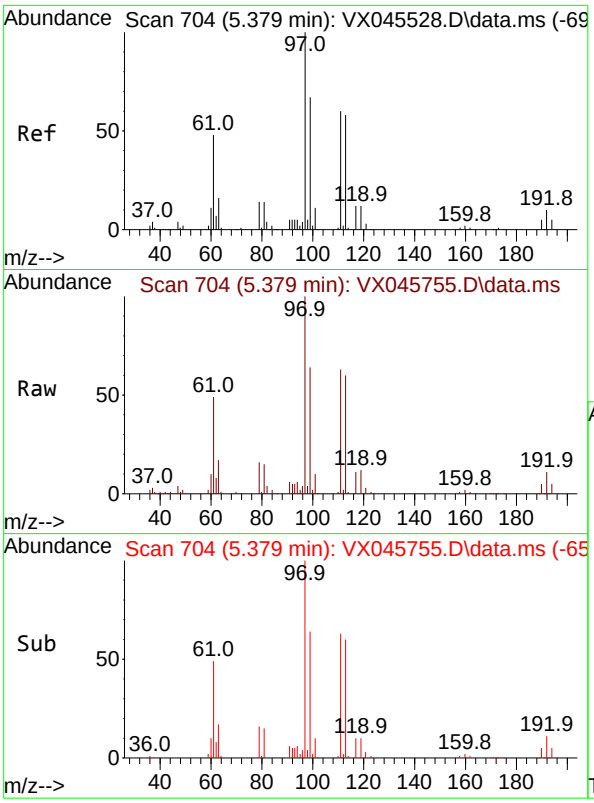


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:114 Resp: 163598

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	46.8
88	17.8	0.0	35.4

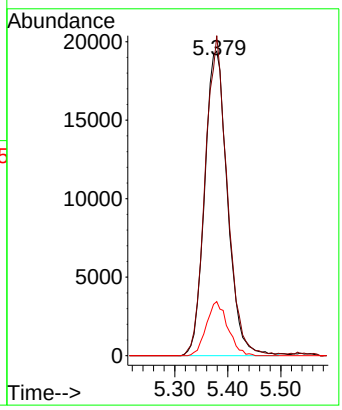




#35
Dibromofluoromethane
Concen: 49.935 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:113 Resp: 5796

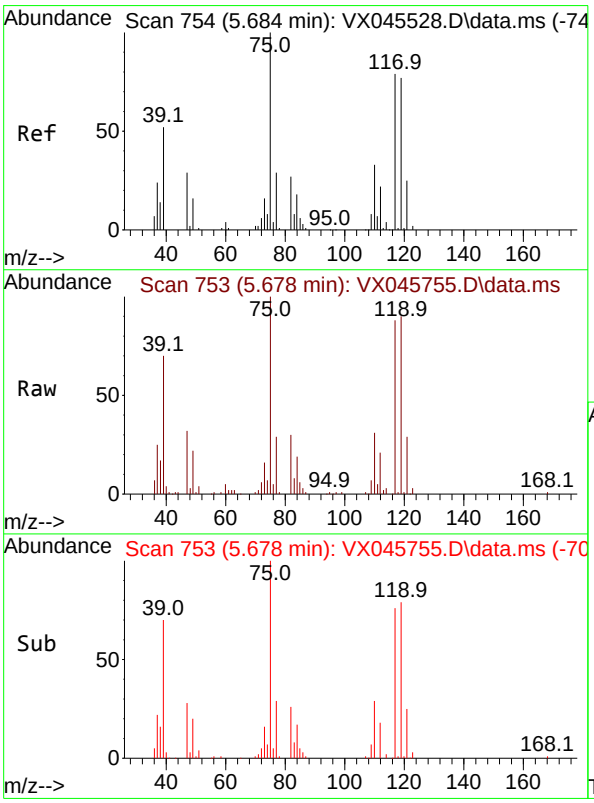
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.6
192	16.7	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

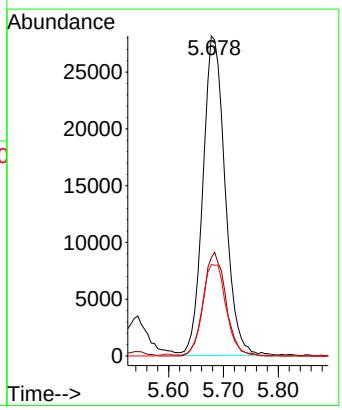
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

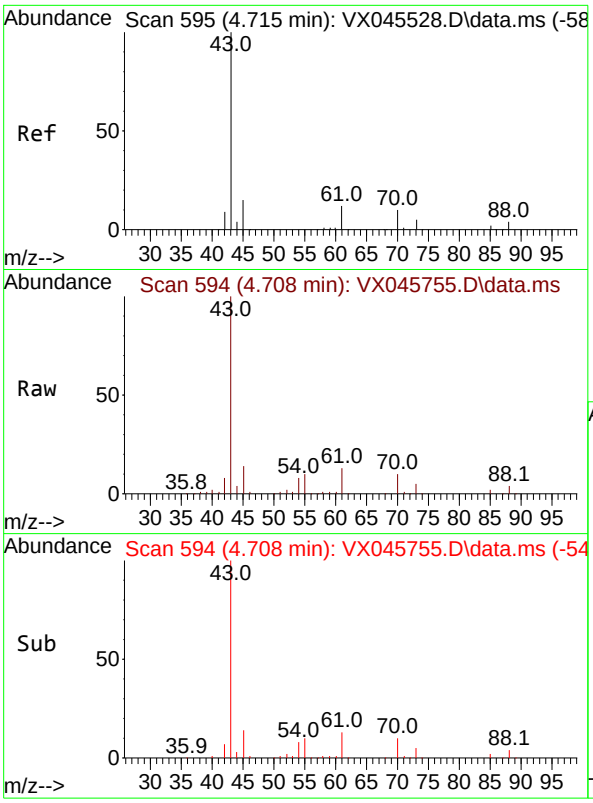


#36
1,1-Dichloropropene
Concen: 50.372 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 75 Resp: 78944

Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.9	50.6
77	30.6	25.0	37.4

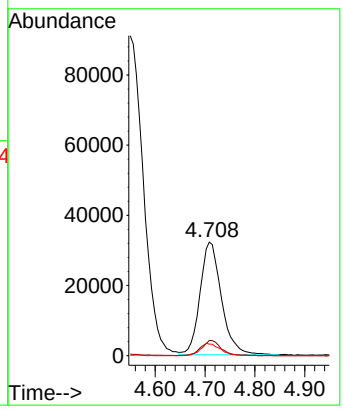




#37
Ethyl Acetate
Concen: 48.498 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 43 Resp: 9578

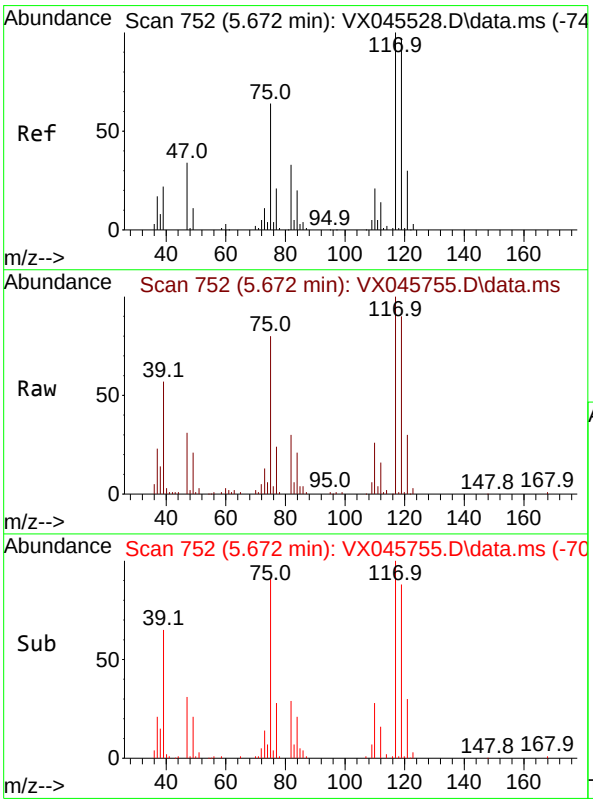
Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.9	14.9
70	10.2	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

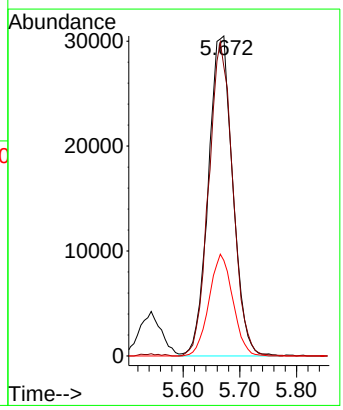
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

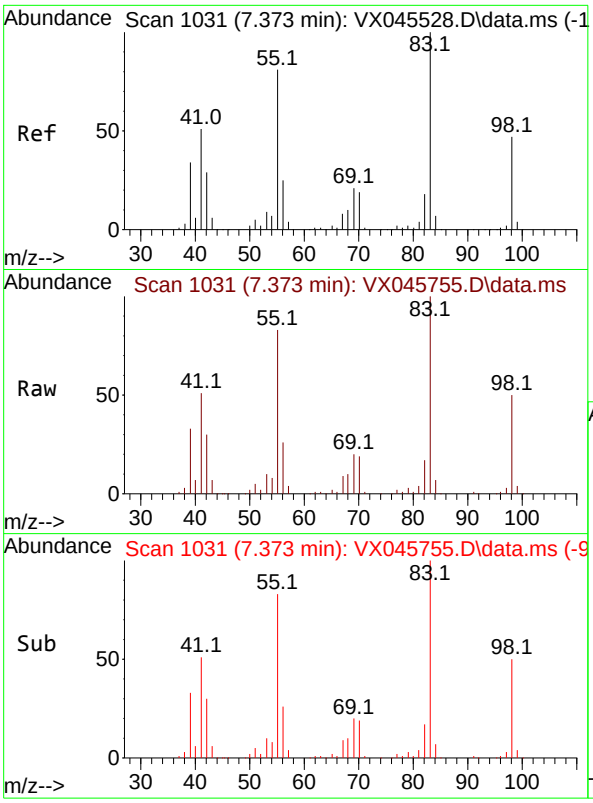


#38
Carbon Tetrachloride
Concen: 53.935 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:117 Resp: 91354

Ion	Ratio	Lower	Upper
117	100		
119	90.4	76.9	115.3
121	29.9	24.2	36.2

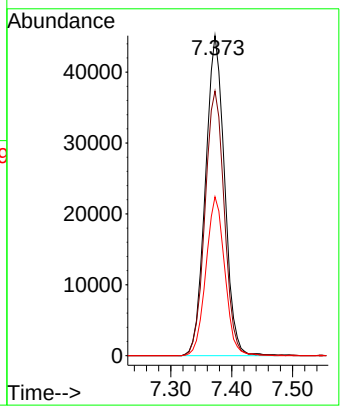




#39
Methylcyclohexane
Concen: 51.314 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 83 Resp: 9858

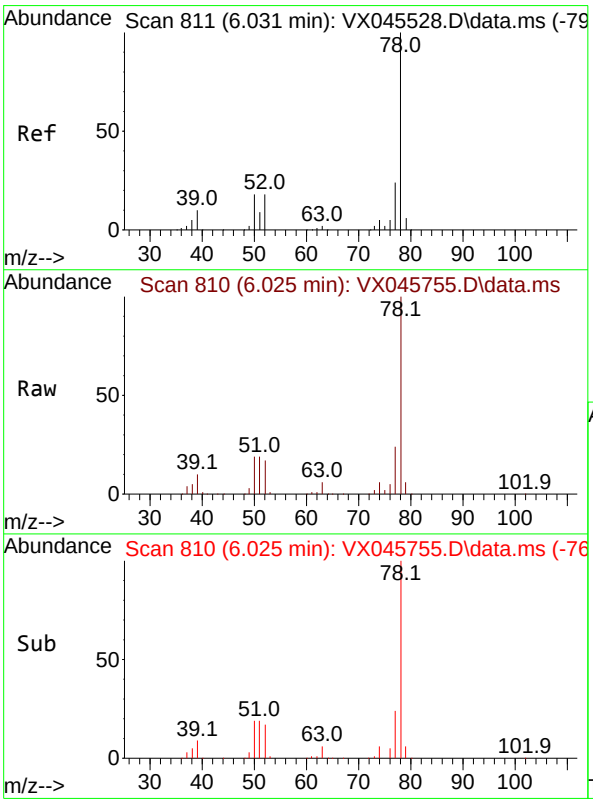
Ion	Ratio	Lower	Upper
83	100		
55	82.7	64.9	97.3
98	49.7	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

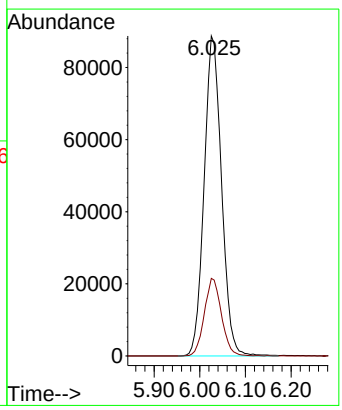
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

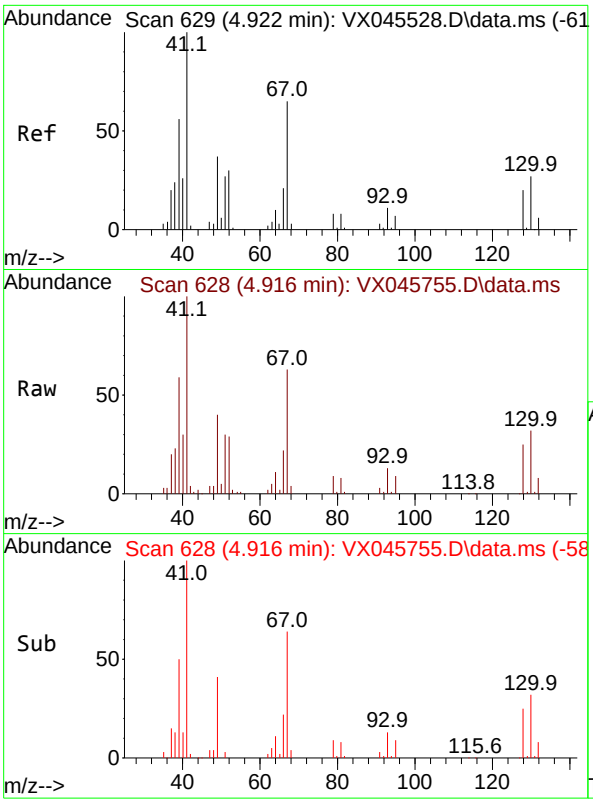


#40
Benzene
Concen: 49.153 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 78 Resp: 235268

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6

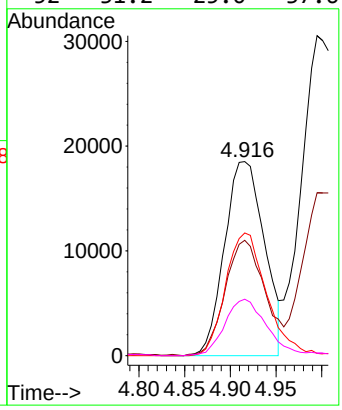




#41
Methacrylonitrile
Concen: 53.993 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 41 Resp: 5626

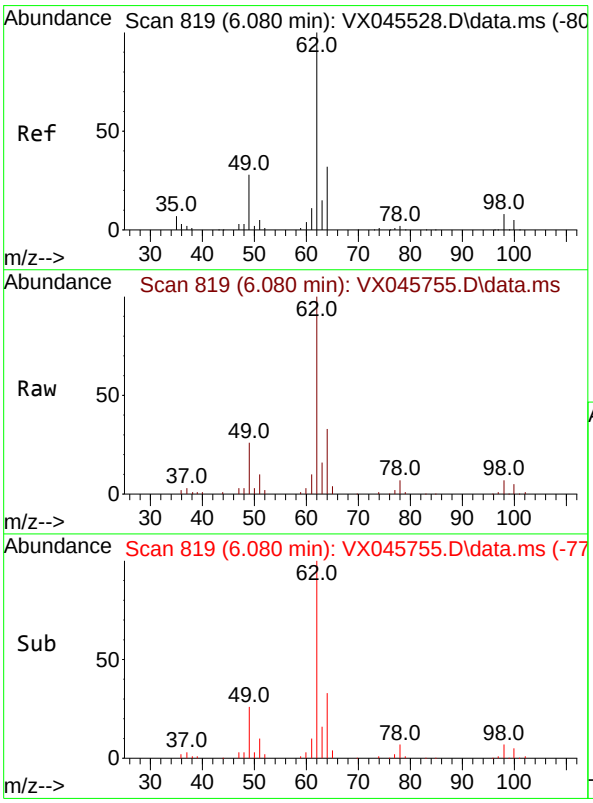
Ion	Ratio	Lower	Upper
41	100		
39	59.9	47.0	70.6
67	65.6	53.2	79.8
52	31.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

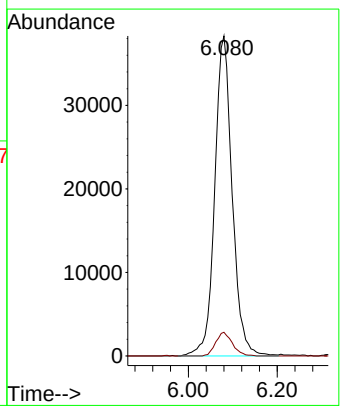
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

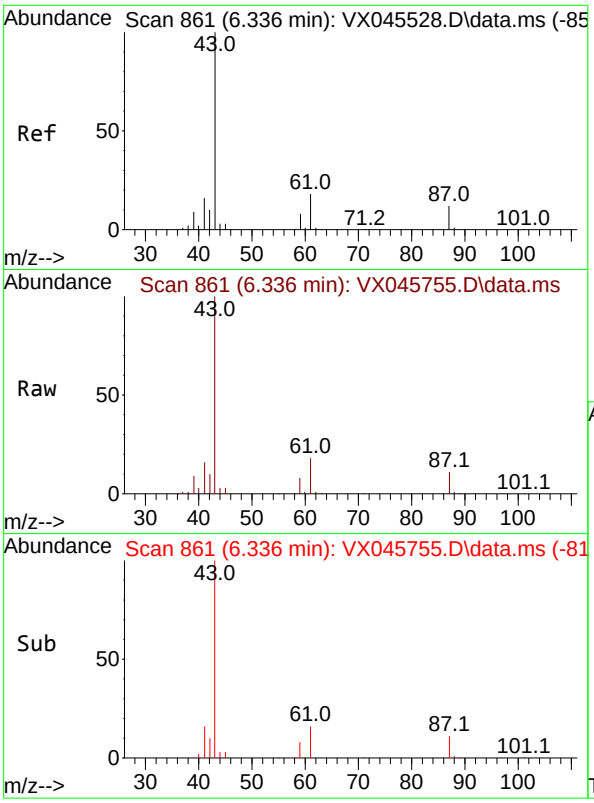


#42
1,2-Dichloroethane
Concen: 52.719 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 62 Resp: 104222

Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	15.2

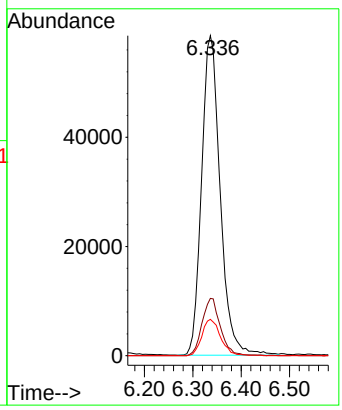




#43
Isopropyl Acetate
Concen: 52.361 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 43 Resp: 15673

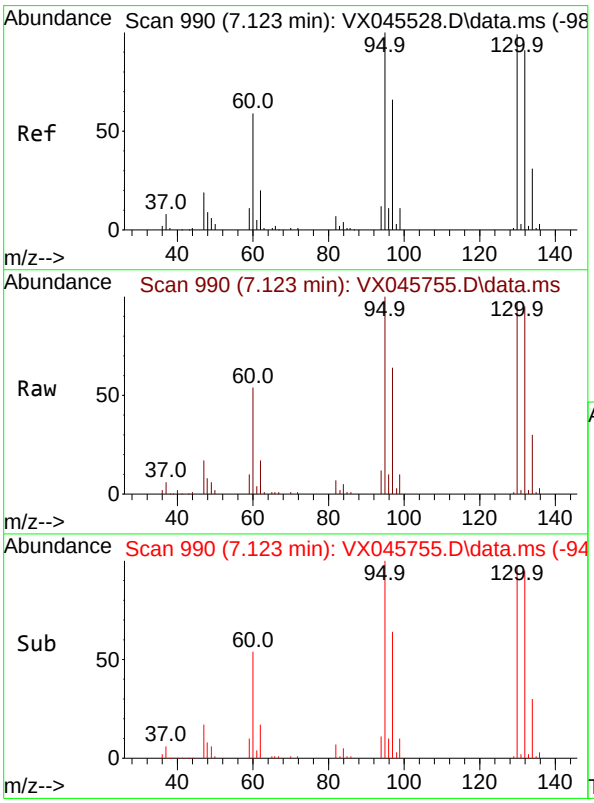
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.1	21.1
87	11.4	9.2	13.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

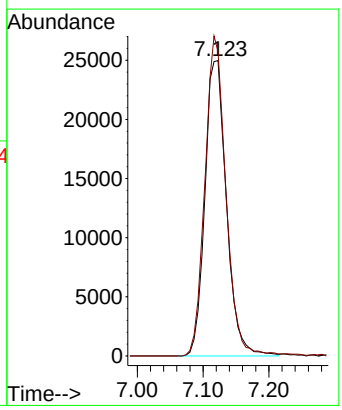
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

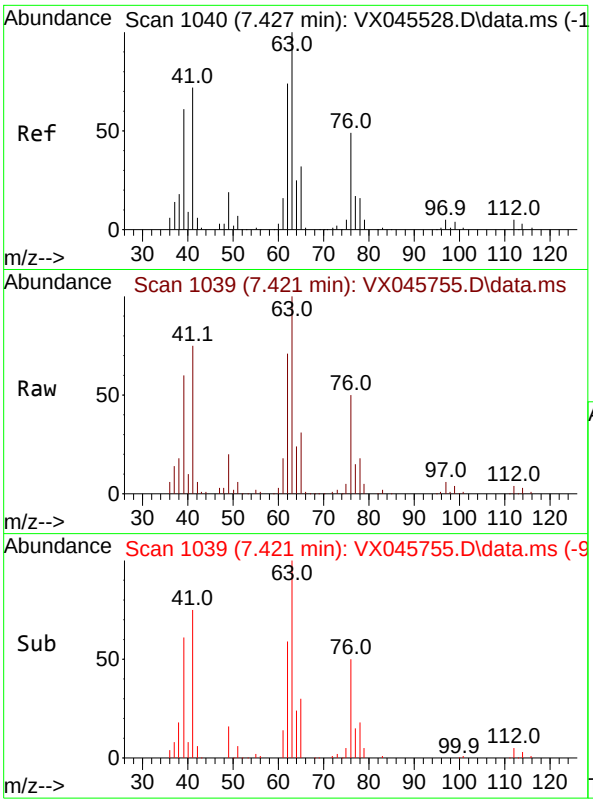


#44
Trichloroethene
Concen: 50.156 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:130 Resp: 57061

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	202.0

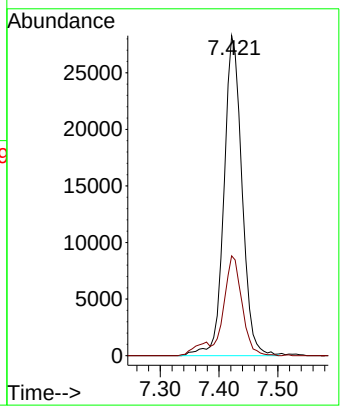




#45
1,2-Dichloropropane
Concen: 50.585 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 63 Resp: 6041

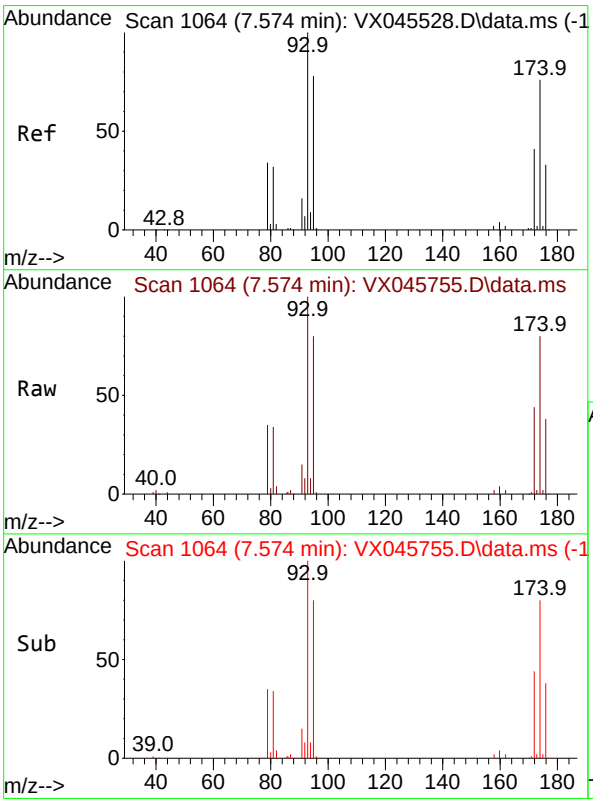
Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

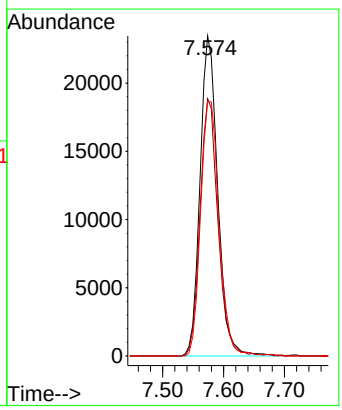
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

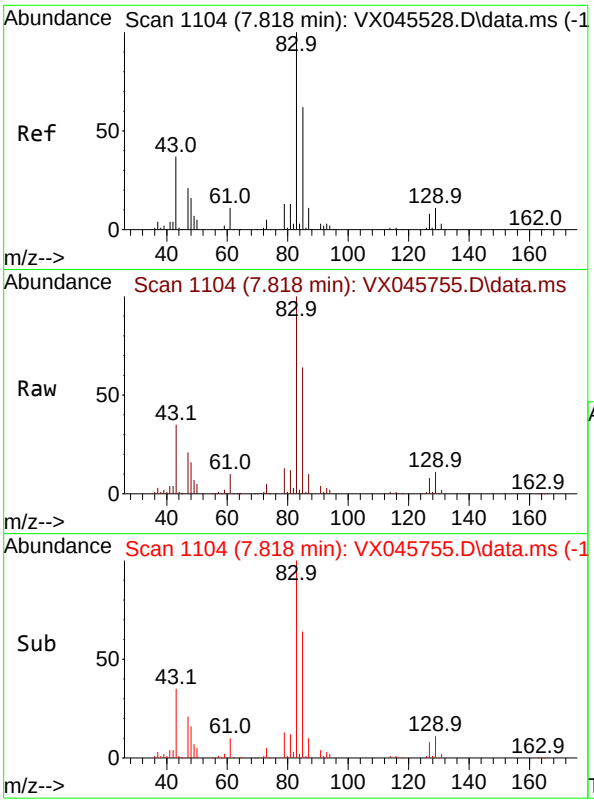


#46
Dibromomethane
Concen: 51.514 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 93 Resp: 47226

Ion	Ratio	Lower	Upper
93	100		
95	81.7	64.8	97.2
174	83.5	65.4	98.0

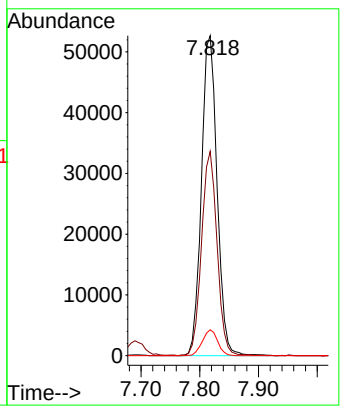




#47
Bromodichloromethane
Concen: 53.266 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 83 Resp: 9752

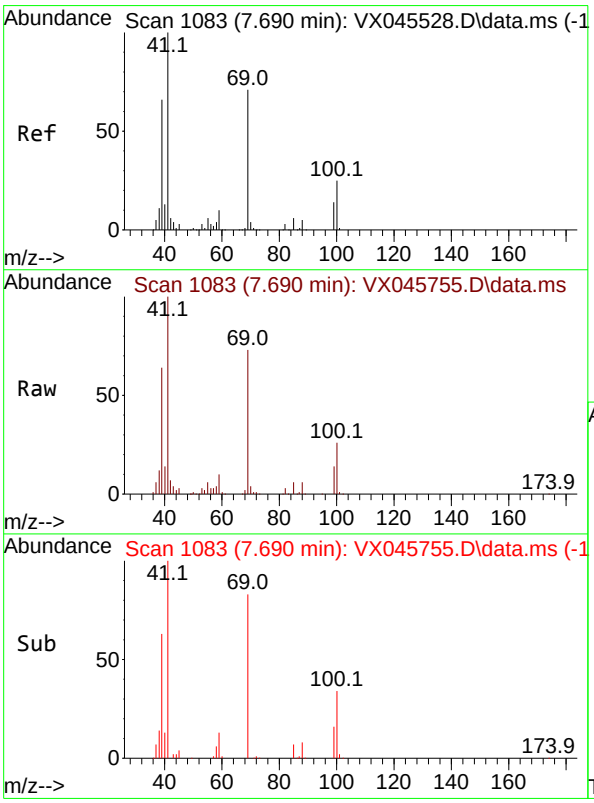
Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.7	74.5
127	8.1	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

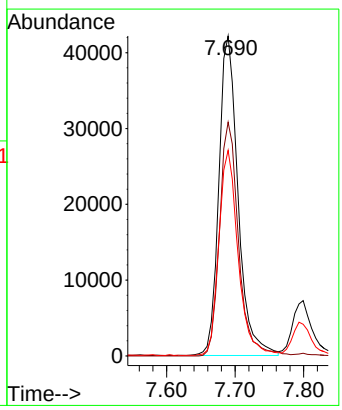
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

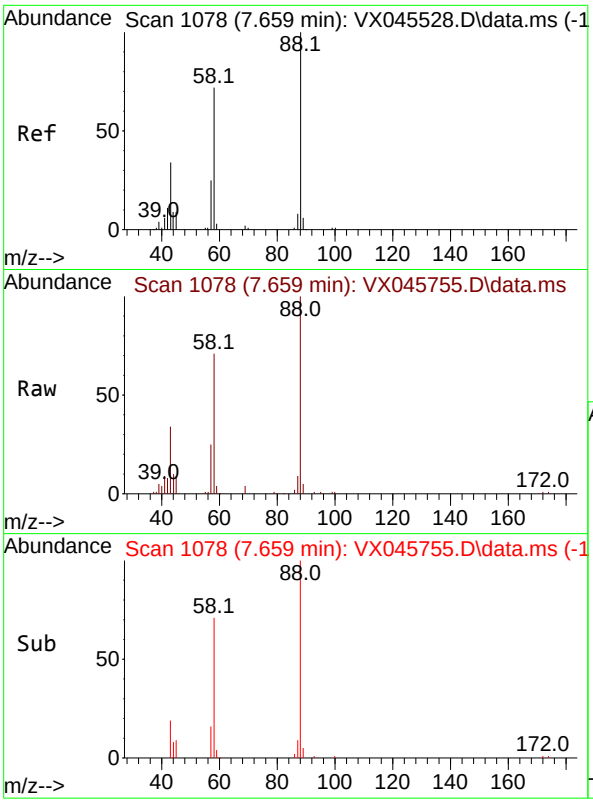


#48
Methyl methacrylate
Concen: 52.915 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 41 Resp: 81782

Ion	Ratio	Lower	Upper
41	100		
69	72.3	58.2	87.2
39	64.4	53.6	80.4





#49
1,4-Dioxane
Concen: 1040.803 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

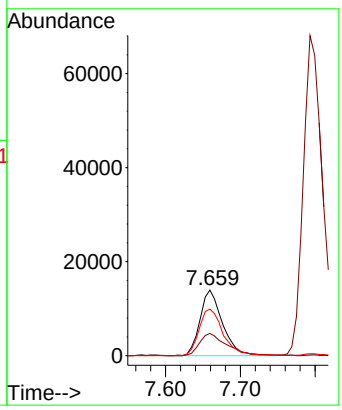
Tgt Ion: 88 Resp: 2910

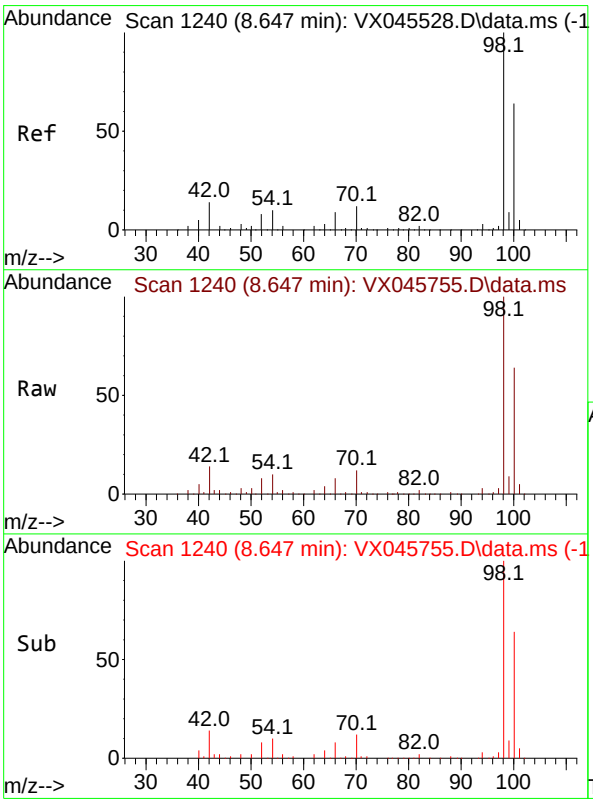
Ion	Ratio	Lower	Upper
88	100		
43	41.7	32.2	48.4
58	75.3	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

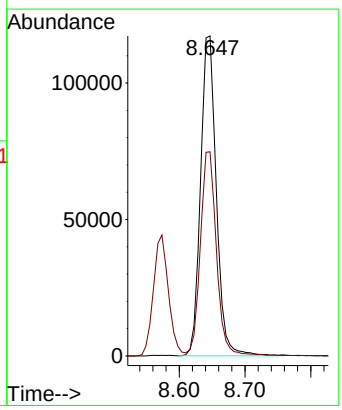


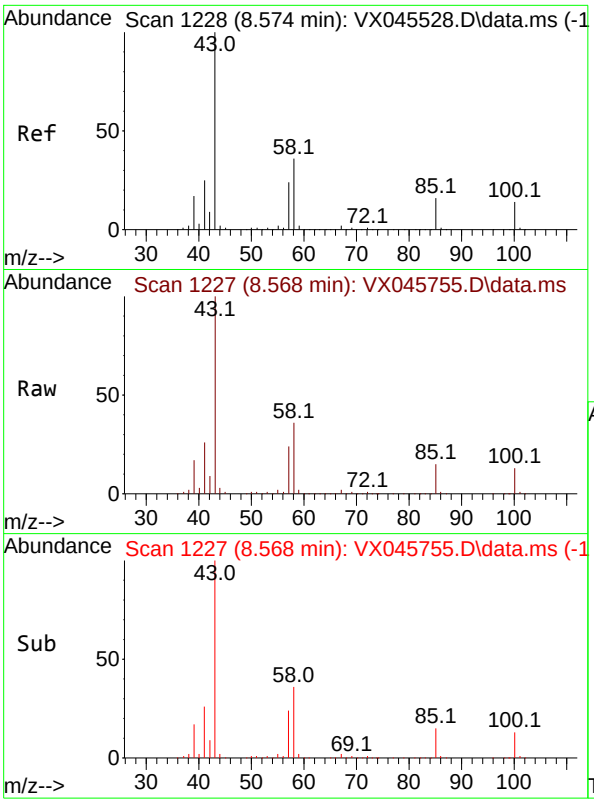


#50
Toluene-d8
Concen: 48.295 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 98 Resp: 195663

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.4

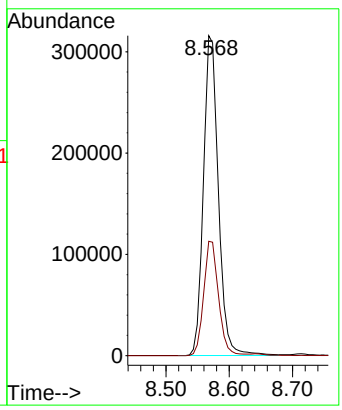




#51
4-Methyl-2-Pentanone
Concen: 262.161 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 43 Resp: 52022

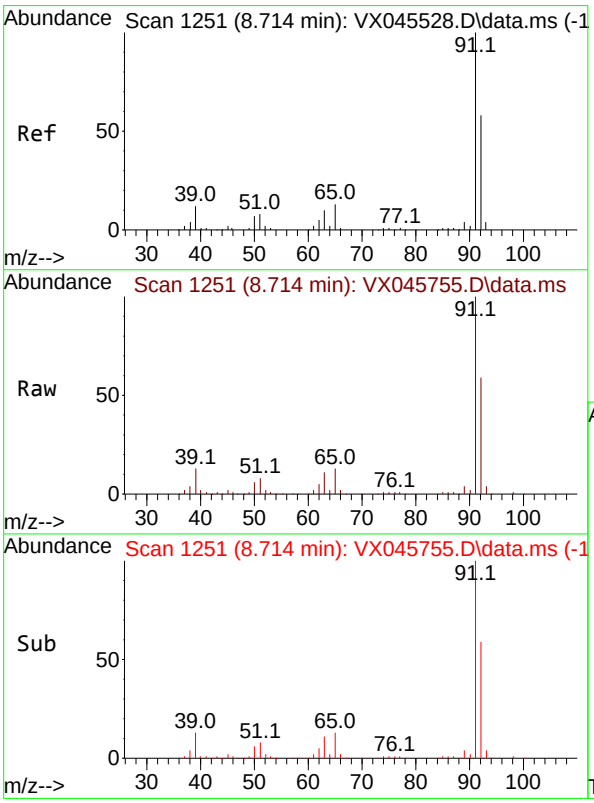
Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

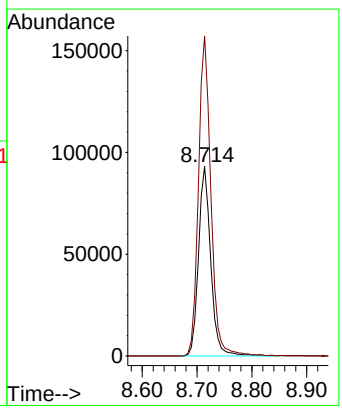
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

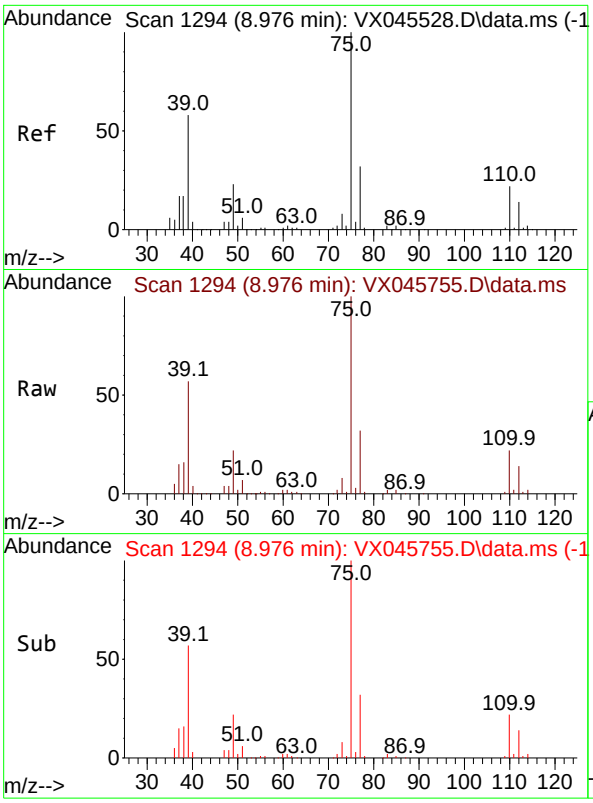


#52
Toluene
Concen: 49.889 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 92 Resp: 144493

Ion	Ratio	Lower	Upper
92	100		
91	171.8	138.7	208.1

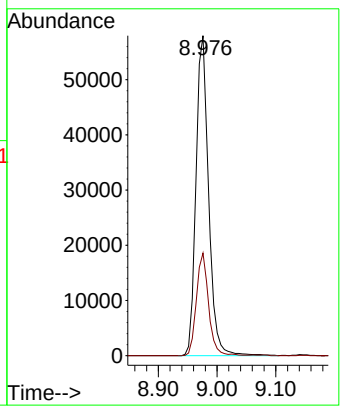




#53
t-1,3-Dichloropropene
Concen: 49.105 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 75 Resp: 8638

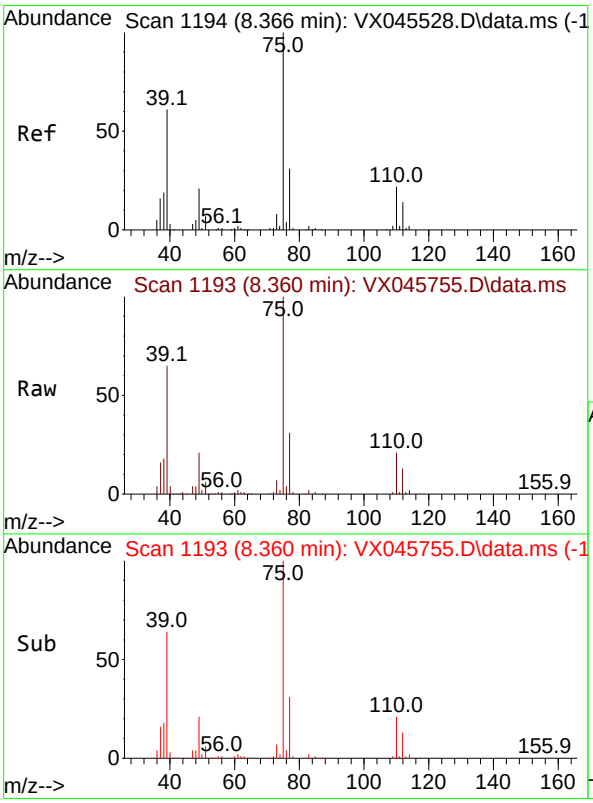
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

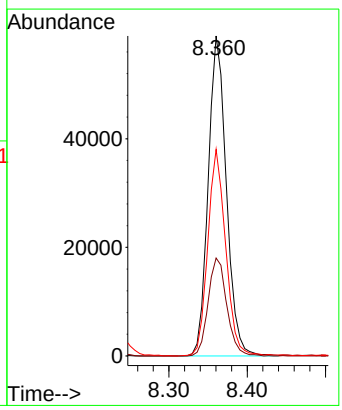
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

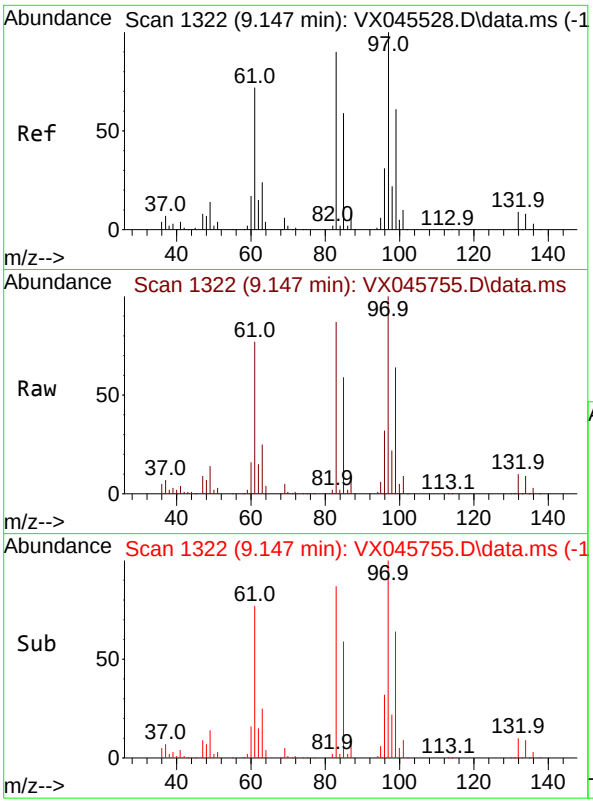


#54
cis-1,3-Dichloropropene
Concen: 55.128 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 75 Resp: 94847

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.6	36.8
39	64.5	48.4	72.6

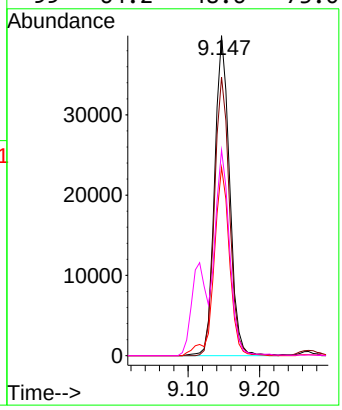




#55
1,1,2-Trichloroethane
Concen: 50.356 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 97 Resp: 5811

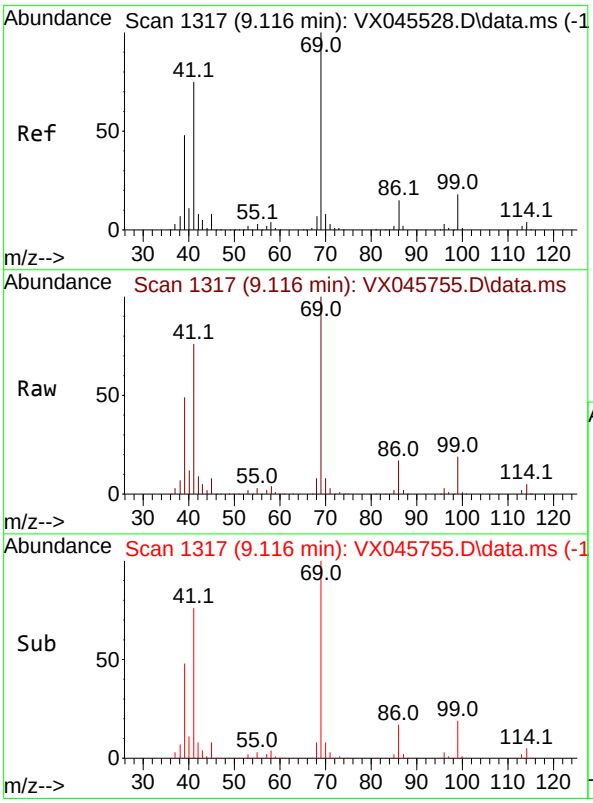
Ion	Ratio	Lower	Upper
97	100		
83	87.0	71.8	107.8
85	58.8	47.0	70.6
99	64.2	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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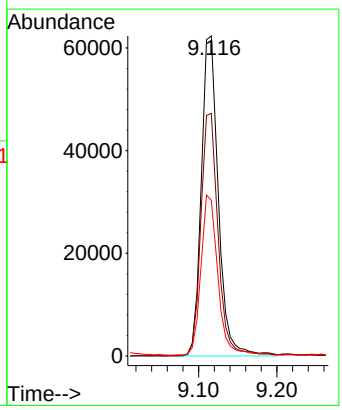
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

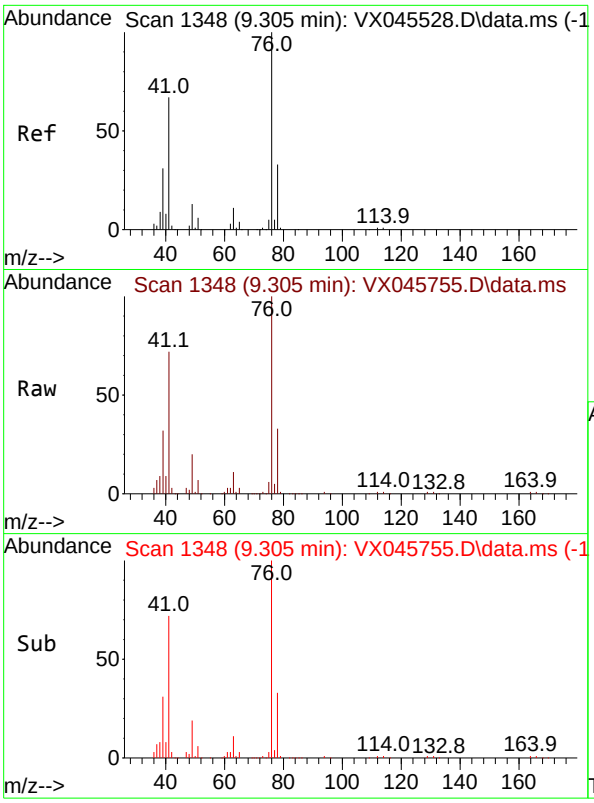


#56
Ethyl methacrylate
Concen: 52.749 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 69 Resp: 94217

Ion	Ratio	Lower	Upper
69	100		
41	77.5	61.3	91.9
39	49.7	40.2	60.2





#57
1,3-Dichloropropane
Concen: 50.859 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

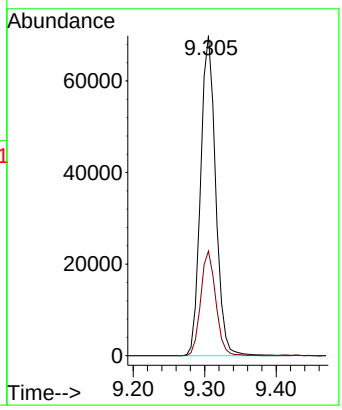
Tgt Ion: 76 Resp: 10221

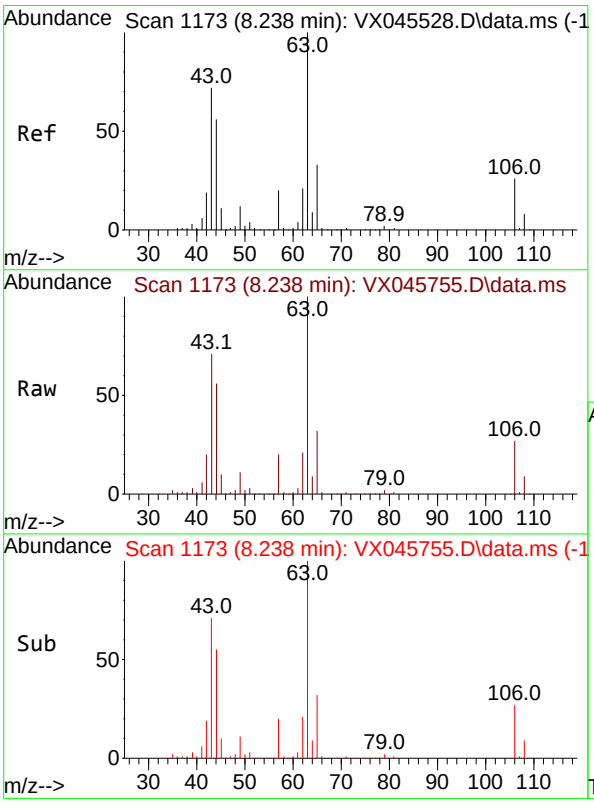
Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

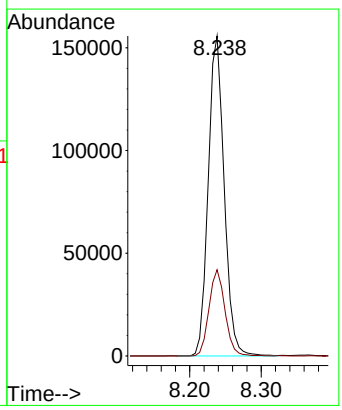


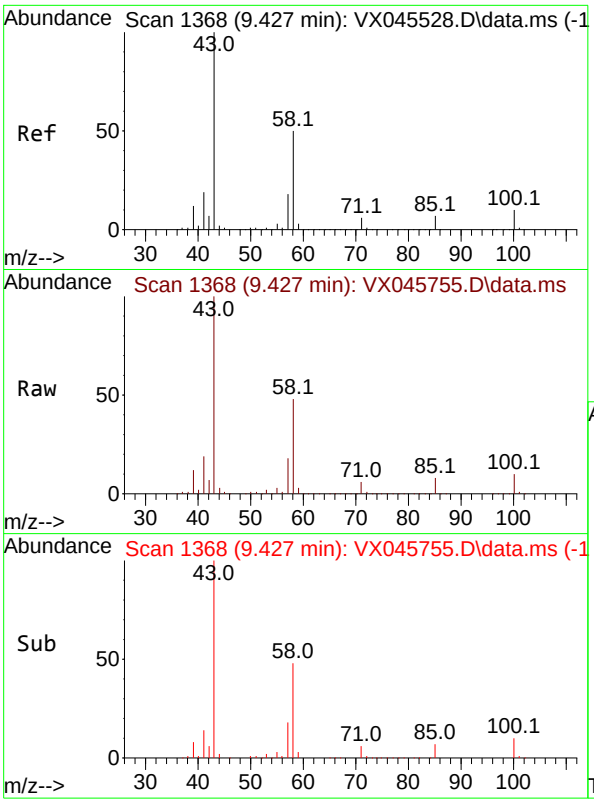


#58
2-Chloroethyl Vinyl ether
Concen: 266.898 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 63 Resp: 241159

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.0	31.6

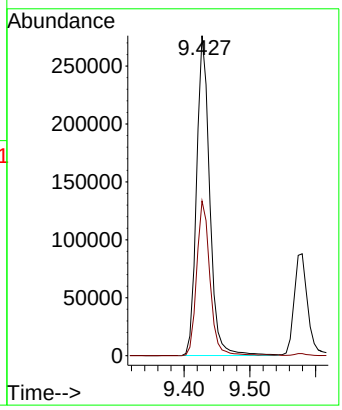




#59
2-Hexanone
Concen: 260.880 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 43 Resp: 38335

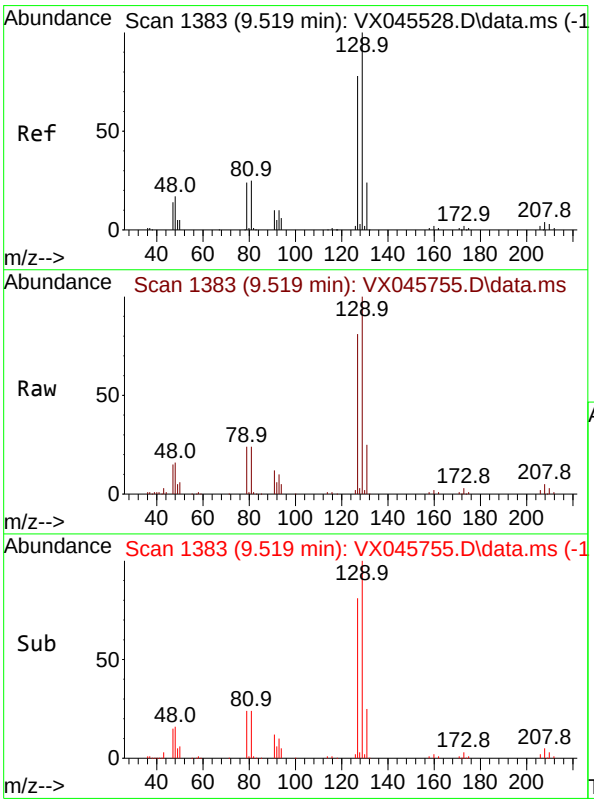
Ion	Ratio	Lower	Upper
43	100		
58	48.9	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

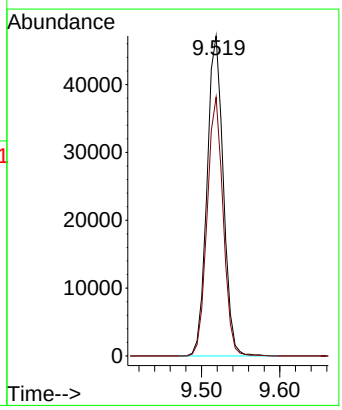
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

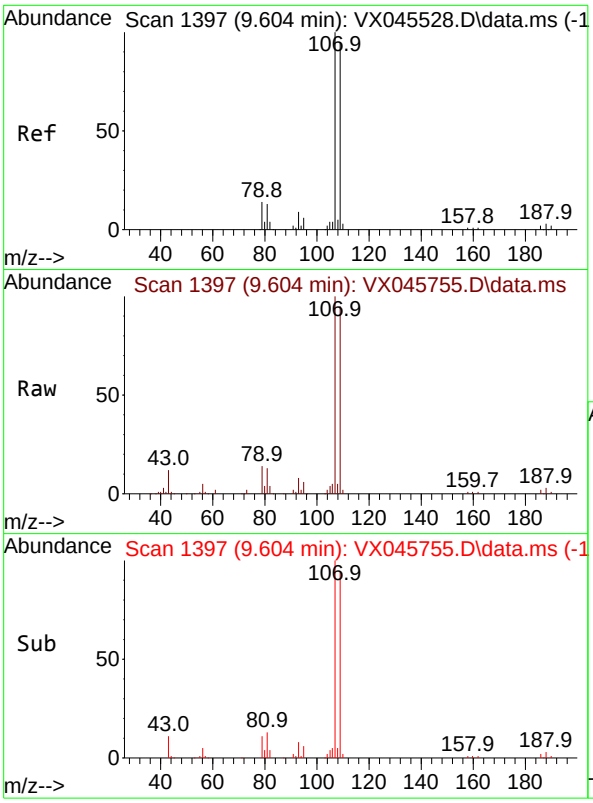


#60
Dibromochloromethane
Concen: 53.994 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:129 Resp: 67936

Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.4	118.2

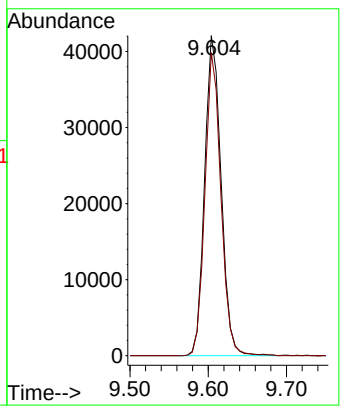




#61
1,2-Dibromoethane
Concen: 52.409 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:107 Resp: 6123

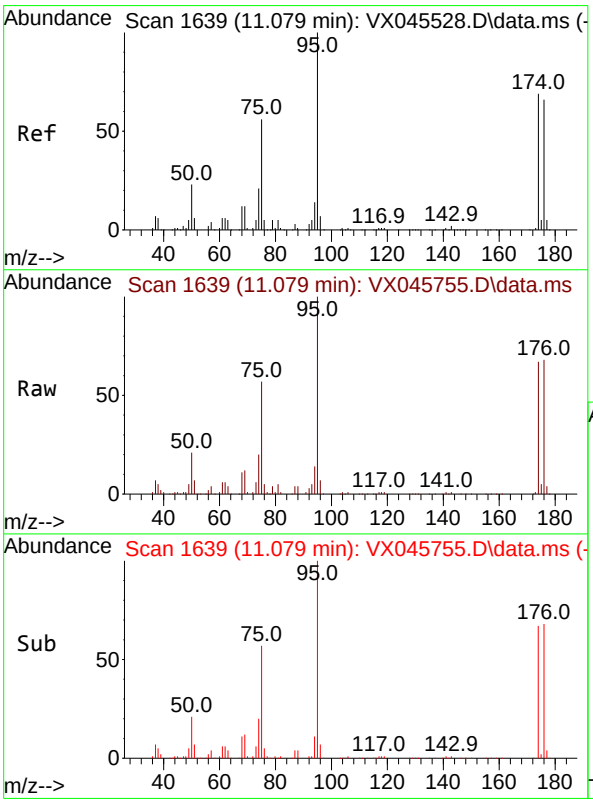
Ion	Ratio	Lower	Upper
107	100		
109	91.9	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

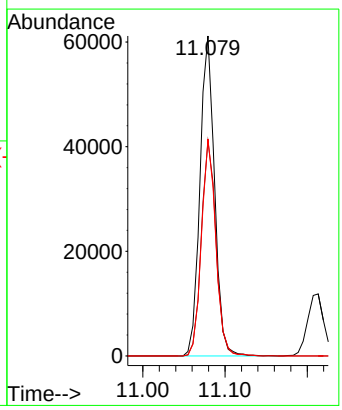
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

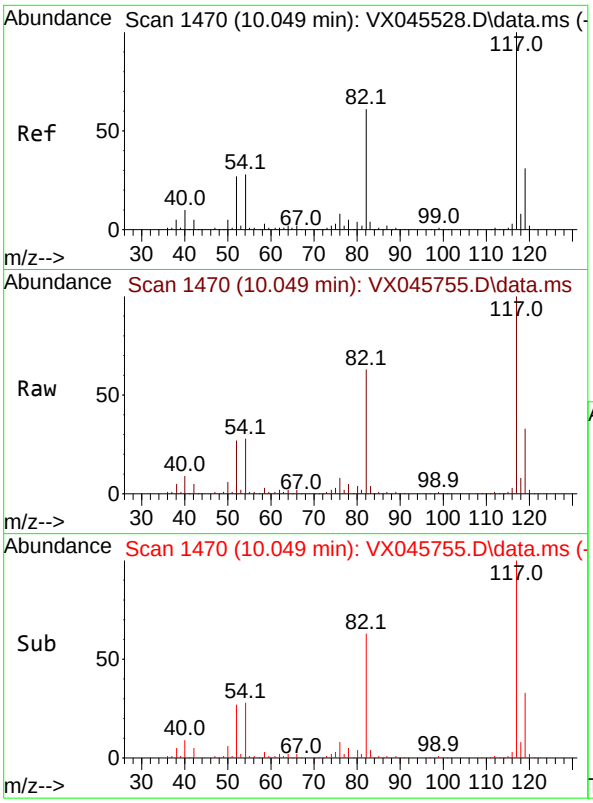


#62
4-Bromofluorobenzene
Concen: 51.102 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 95 Resp: 75412

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	135.8
176	66.4	0.0	131.4

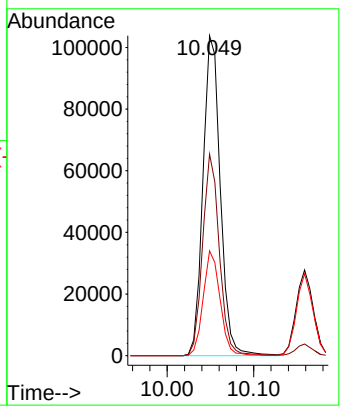




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:117 Resp: 14432

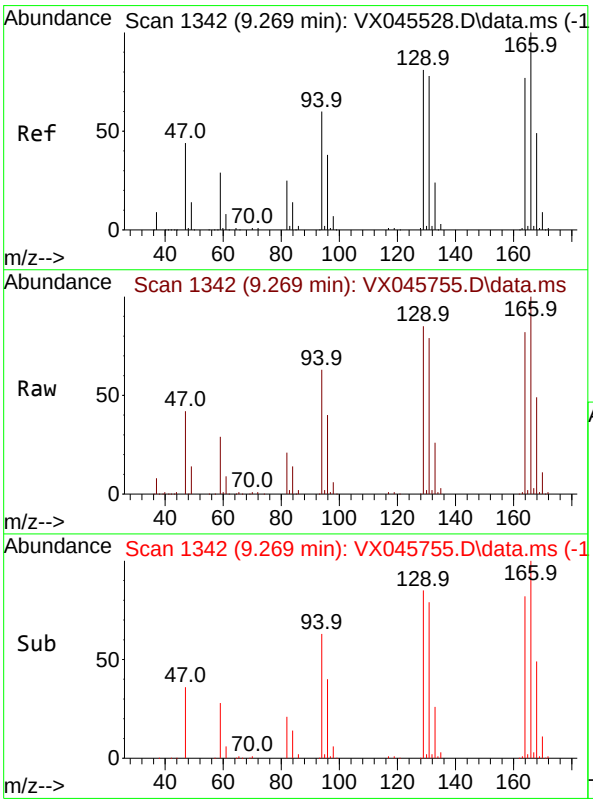
Ion	Ratio	Lower	Upper
117	100		
82	63.0	49.2	73.8
119	32.8	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

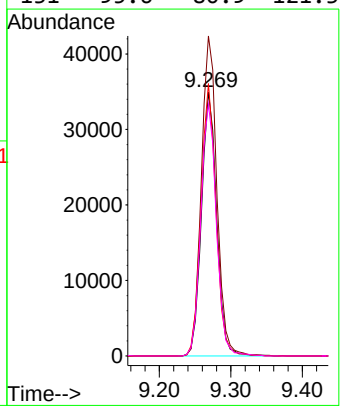
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

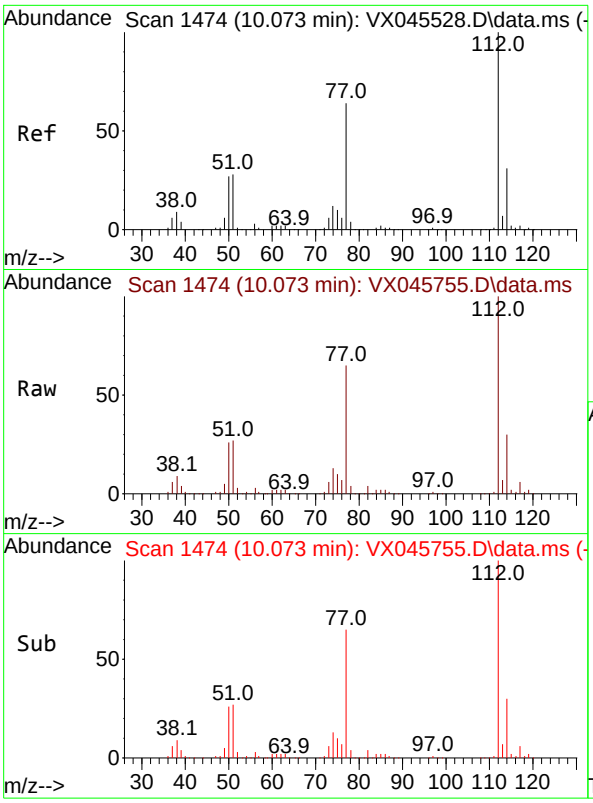


#64
Tetrachloroethene
Concen: 50.573 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:164 Resp: 51533

Ion	Ratio	Lower	Upper
164	100		
166	121.3	103.8	155.8
129	103.3	84.3	126.5
131	95.6	80.9	121.3

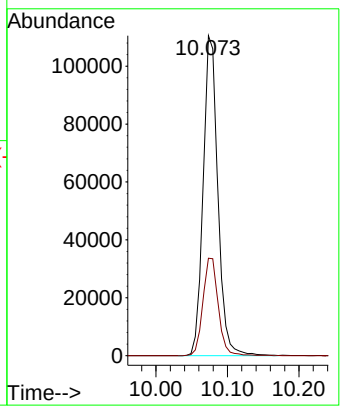




#65
Chlorobenzene
Concen: 51.185 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:112 Resp: 15785

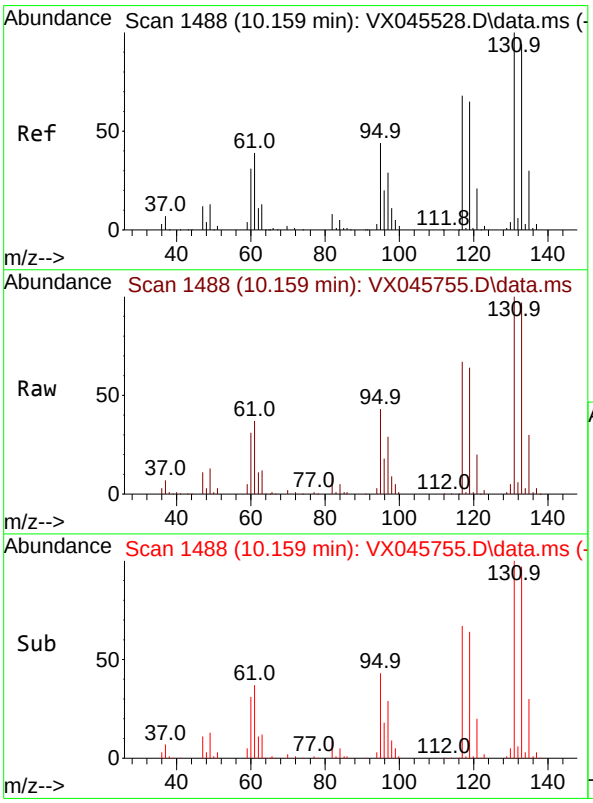
Ion	Ratio	Lower	Upper
112	100		
114	30.4	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

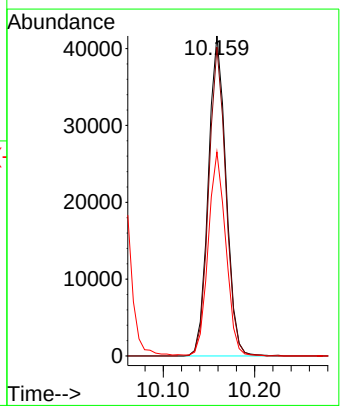
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

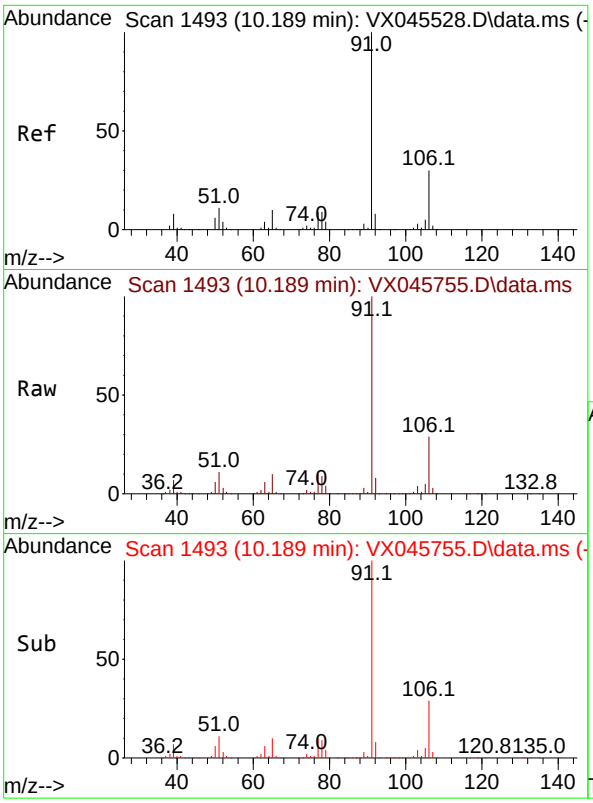


#66
1,1,1,2-Tetrachloroethane
Concen: 52.374 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:131 Resp: 56077

Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.5	142.5
119	63.2	32.9	98.6





#67
Ethyl Benzene
Concen: 51.532 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

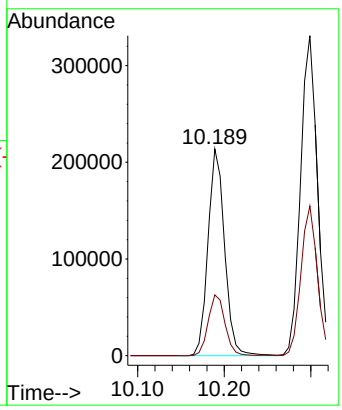
Tgt Ion: 91 Resp: 28463

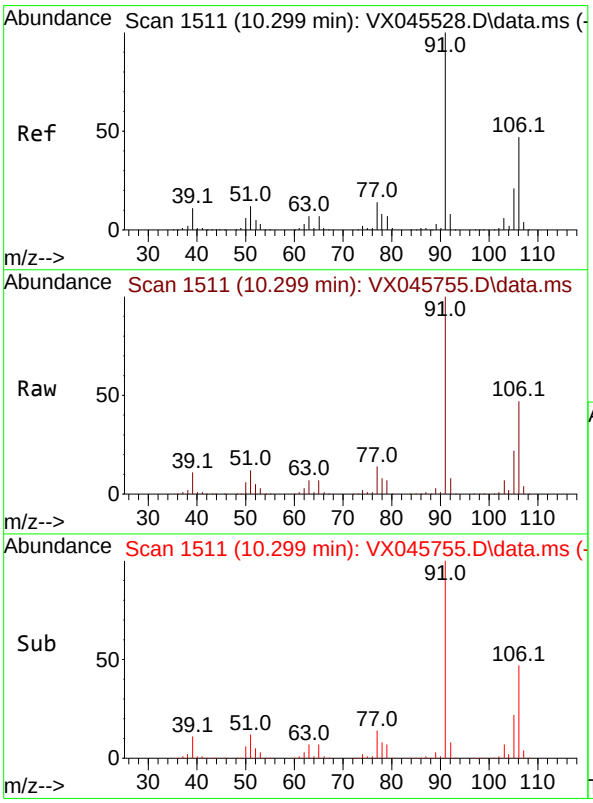
Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.7	35.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

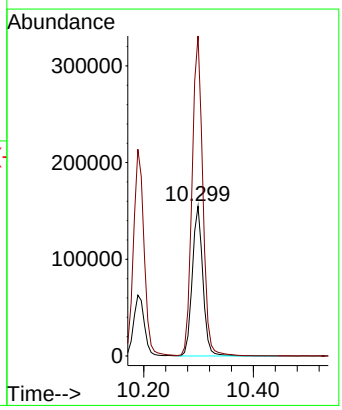


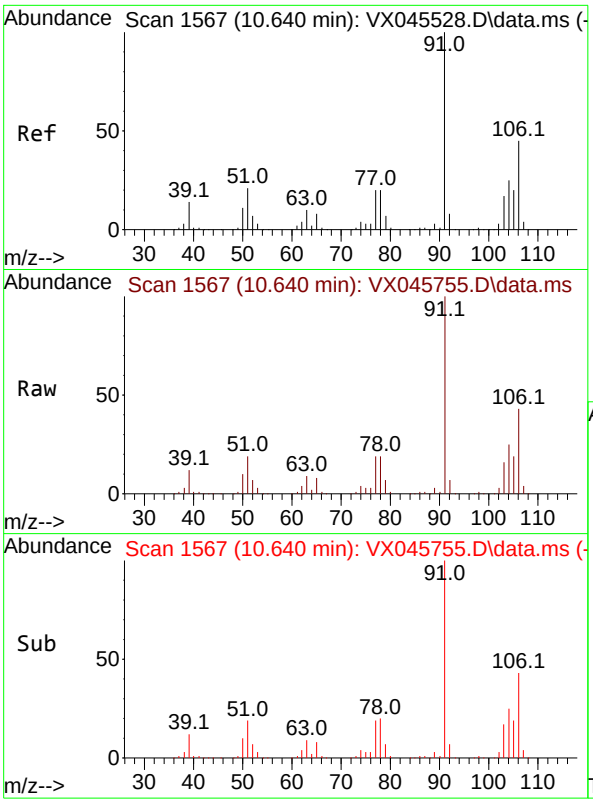


#68
m/p-Xylenes
Concen: 103.705 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:106 Resp: 208335

Ion	Ratio	Lower	Upper
106	100		
91	216.9	172.6	258.8

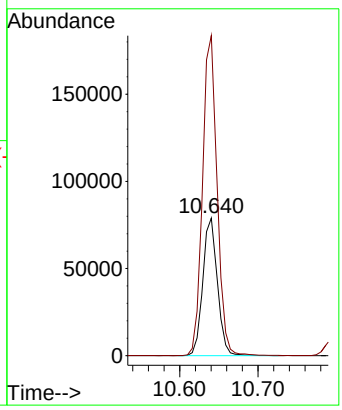




#69
o-Xylene
Concen: 51.580 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:106 Resp: 10207

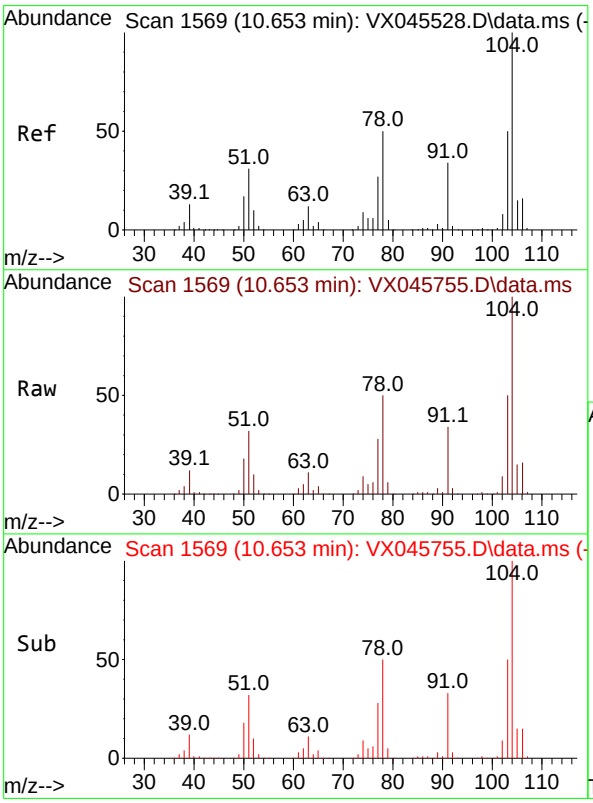
Ion	Ratio	Lower	Upper
106	100		
91	232.6	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

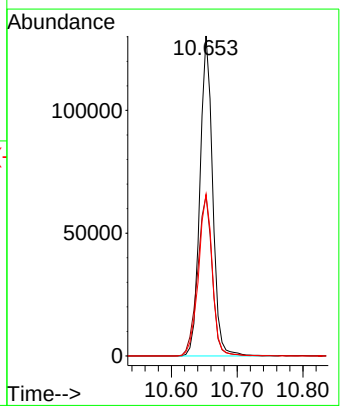
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

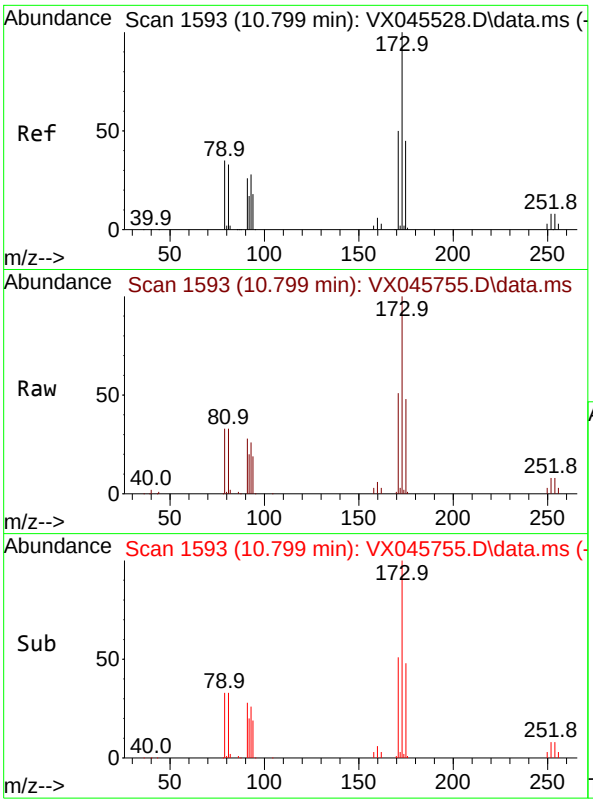


#70
Styrene
Concen: 53.510 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:104 Resp: 174780

Ion	Ratio	Lower	Upper
104	100		
78	57.3	45.4	68.2
103	55.2	43.8	65.8

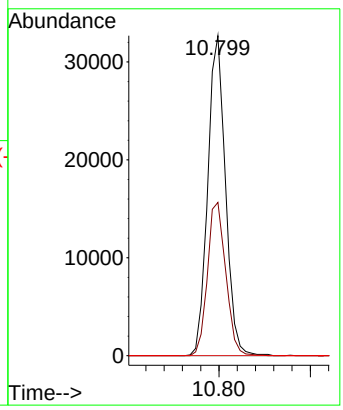




#71
Bromoform
Concen: 54.834 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:173 Resp: 4383

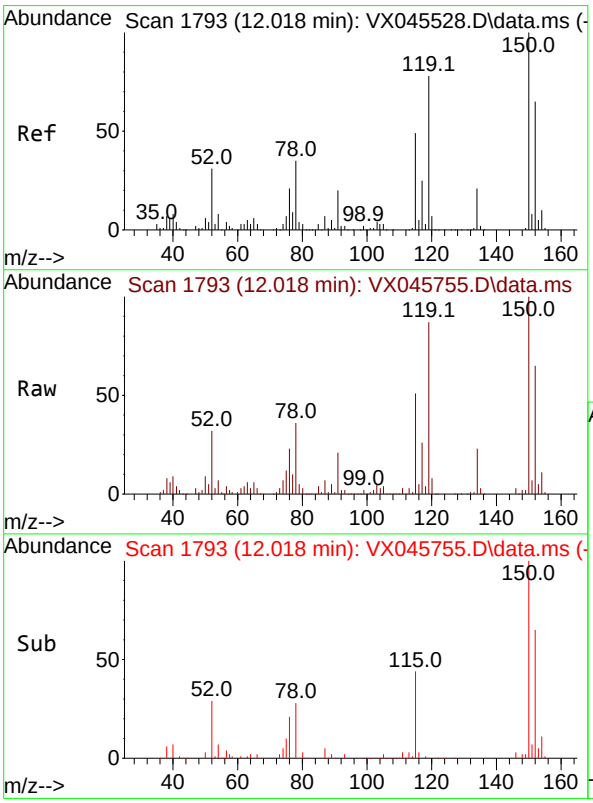
Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

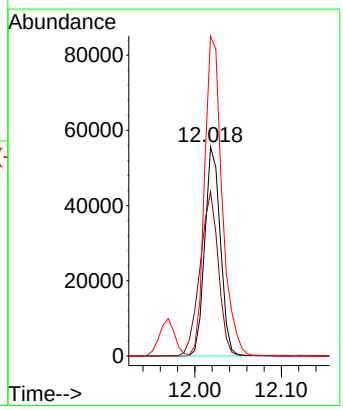
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

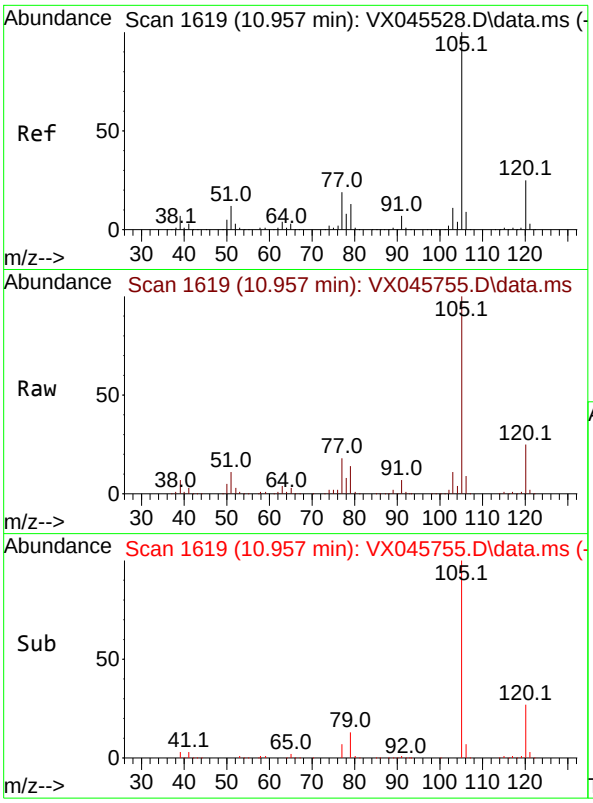


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:152 Resp: 69351

Ion	Ratio	Lower	Upper
152	100		
115	92.8	46.9	140.7
150	171.5	0.0	349.4

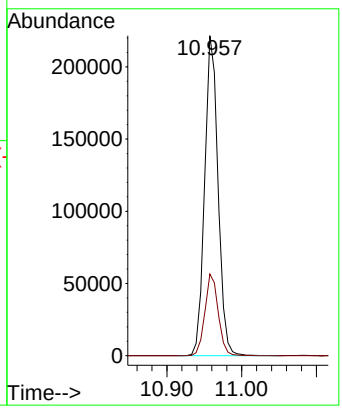




#73
Isopropylbenzene
Concen: 49.552 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:105 Resp: 27526

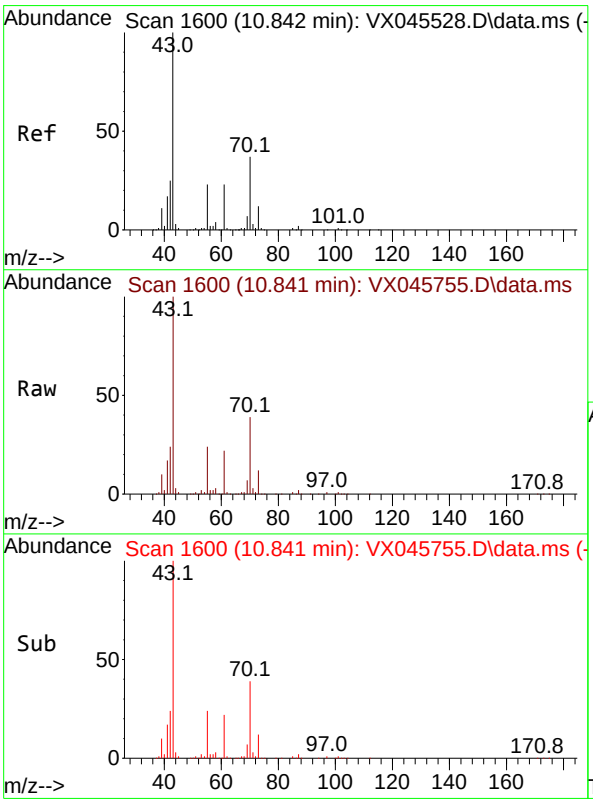
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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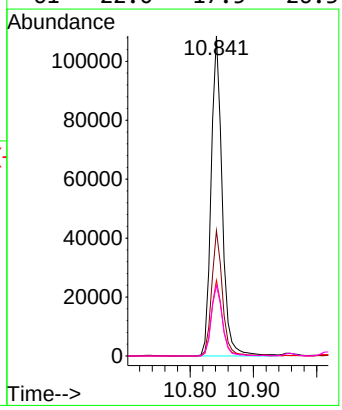
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

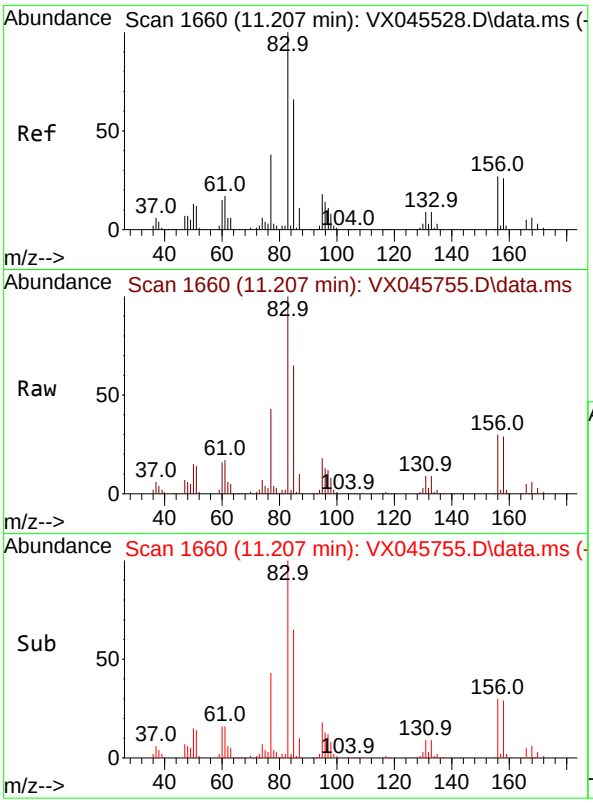


#74
N-amyl acetate
Concen: 49.653 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 43 Resp: 131941

Ion	Ratio	Lower	Upper
43	100		
70	38.0	30.1	45.1
55	23.3	18.3	27.5
61	22.0	17.5	26.3

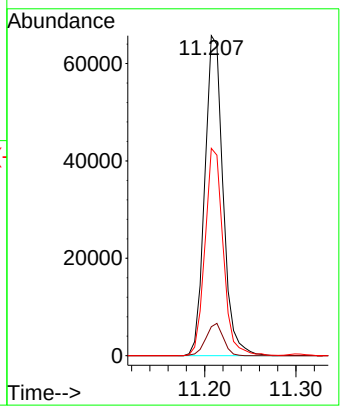




#75
1,1,2,2-Tetrachloroethane
Concen: 46.556 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 83 Resp: 9085

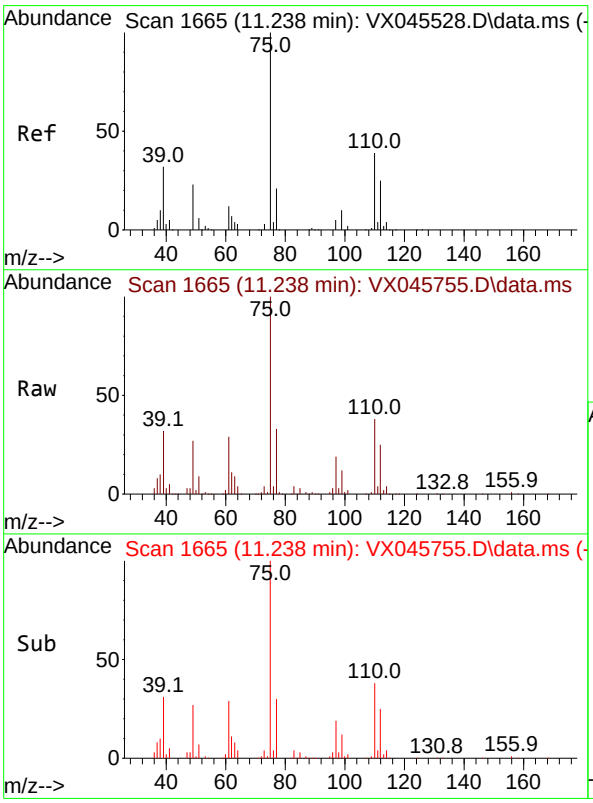
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.7	14.1
85	64.4	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

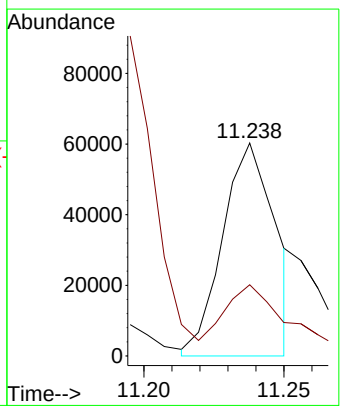
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

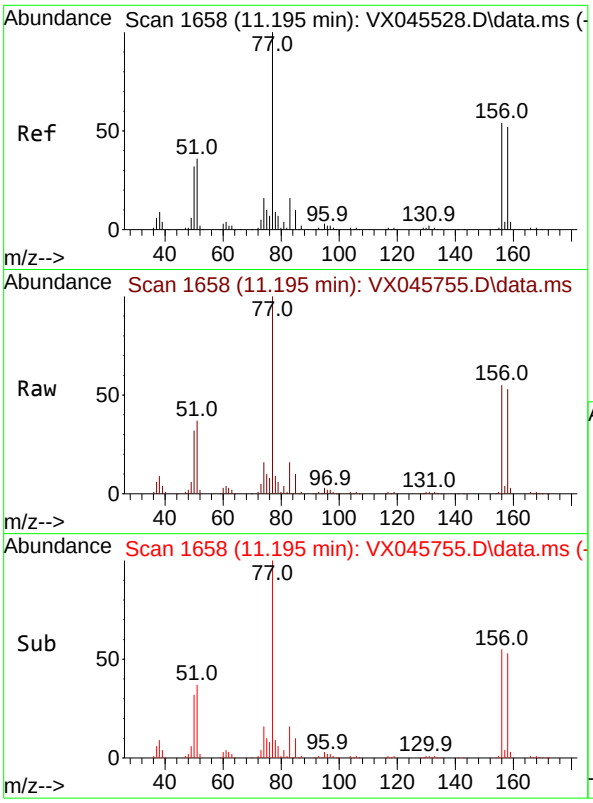


#76
1,2,3-Trichloropropane
Concen: 46.494 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 75 Resp: 78651

Ion	Ratio	Lower	Upper
75	100		
77	41.8	20.0	59.9

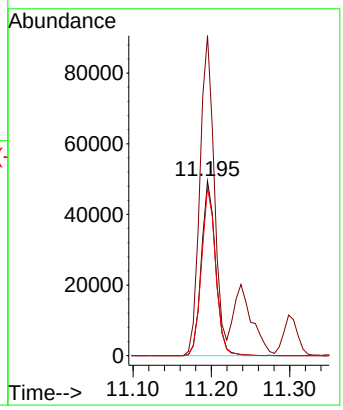




#77
Bromobenzene
Concen: 48.288 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:156 Resp: 6197

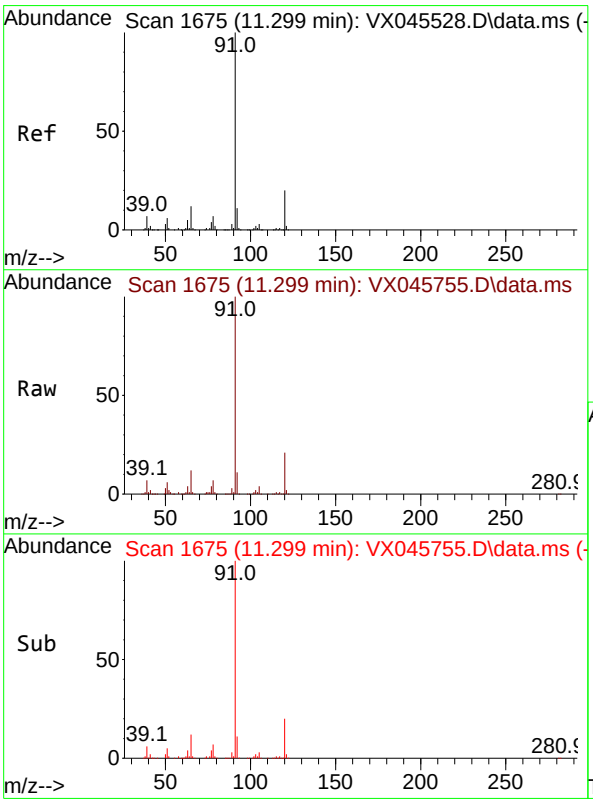
Ion	Ratio	Lower	Upper
156	100		
77	186.2	92.6	277.8
158	96.5	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

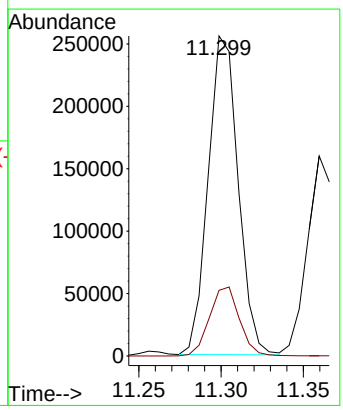
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

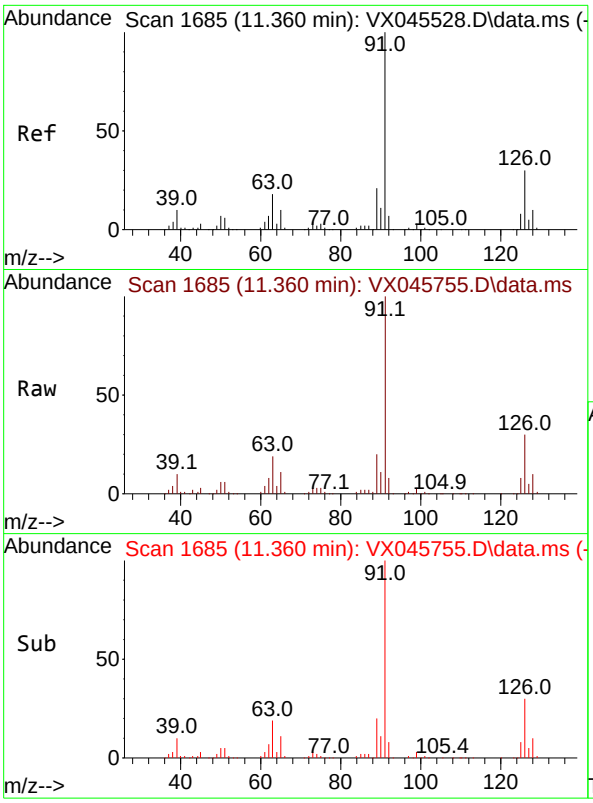


#78
n-propylbenzene
Concen: 50.642 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 91 Resp: 324037

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.3





#79
2-Chlorotoluene
Concen: 48.915 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

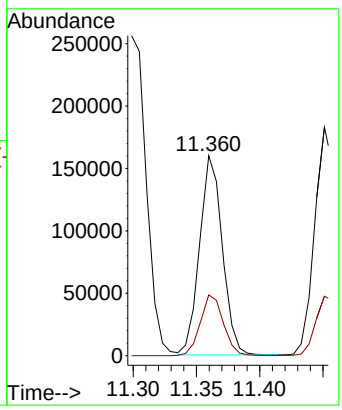
Tgt Ion: 91 Resp: 20008

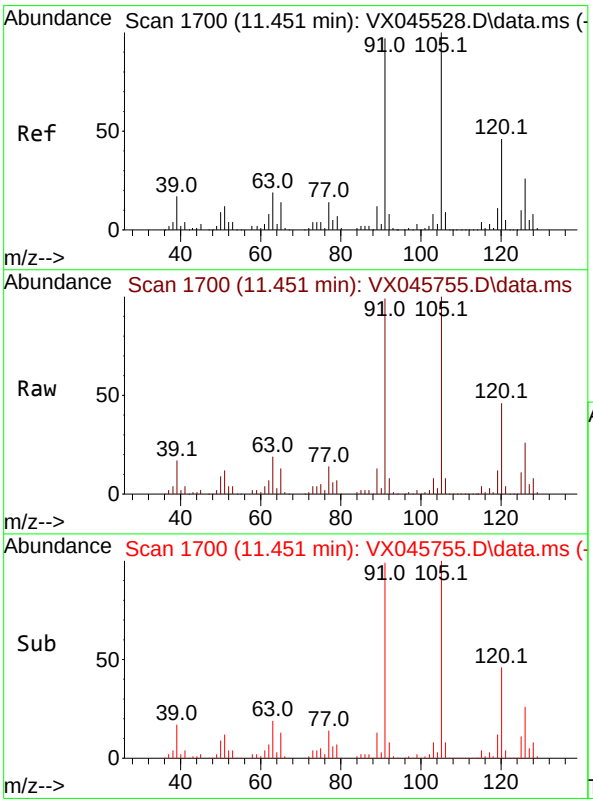
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

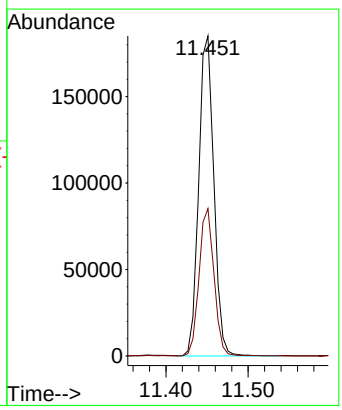


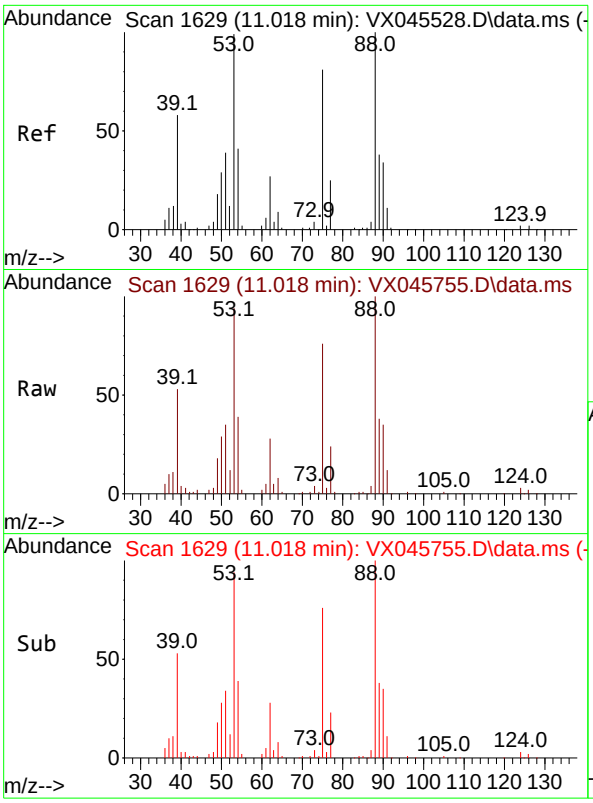


#80
1,3,5-Trimethylbenzene
Concen: 51.533 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:105 Resp: 236722

Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 50.119 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

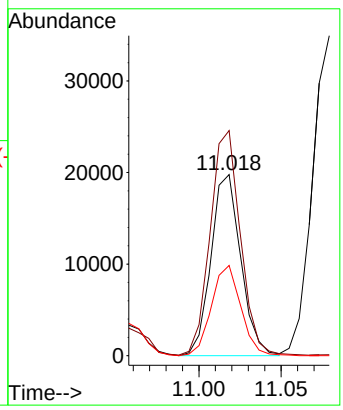
Tgt Ion: 75 Resp: 2498

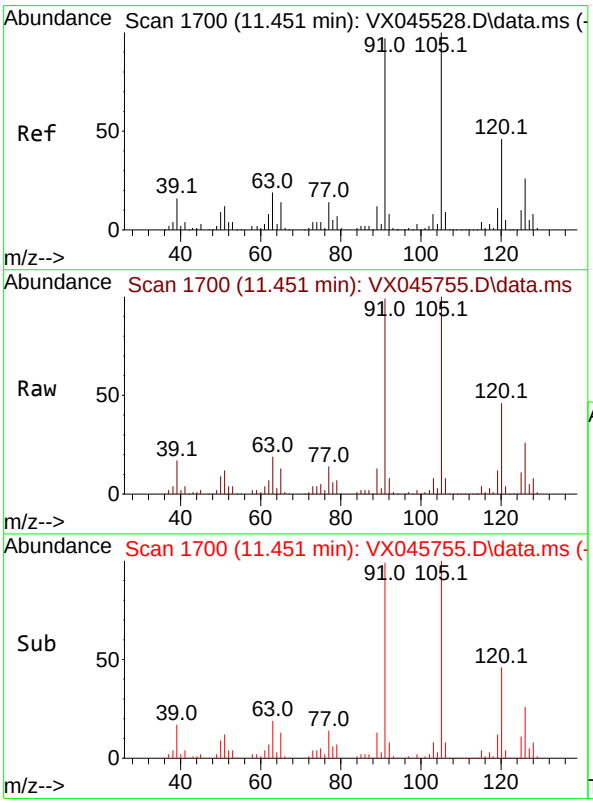
Ion	Ratio	Lower	Upper
75	100		
53	125.2	101.8	152.6
89	49.1	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

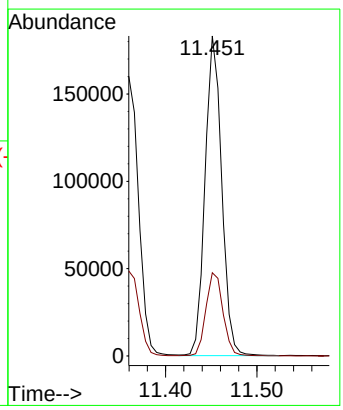


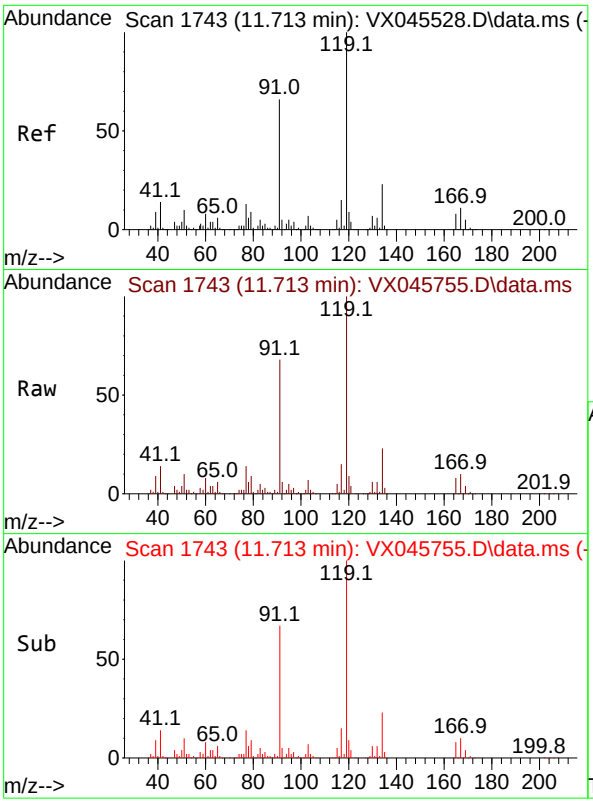


#82
4-Chlorotoluene
Concen: 50.511 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 91 Resp: 230367

Ion	Ratio	Lower	Upper
91	100		
126	27.0	13.3	39.9

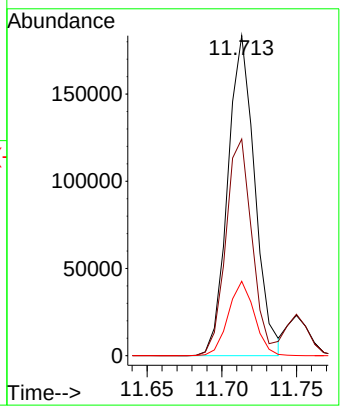




#83
tert-Butylbenzene
Concen: 50.636 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:119 Resp: 23028

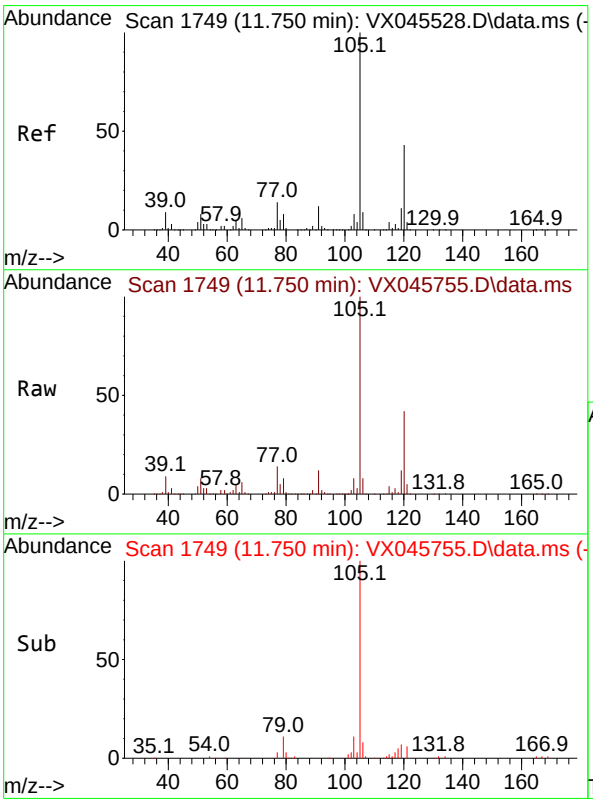
Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.4	97.2
134	22.5	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

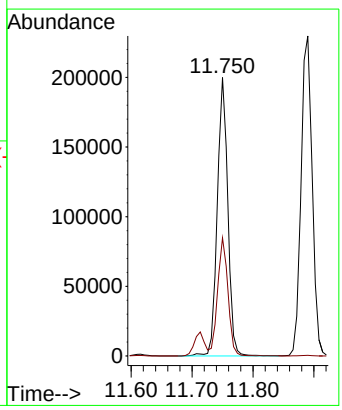
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

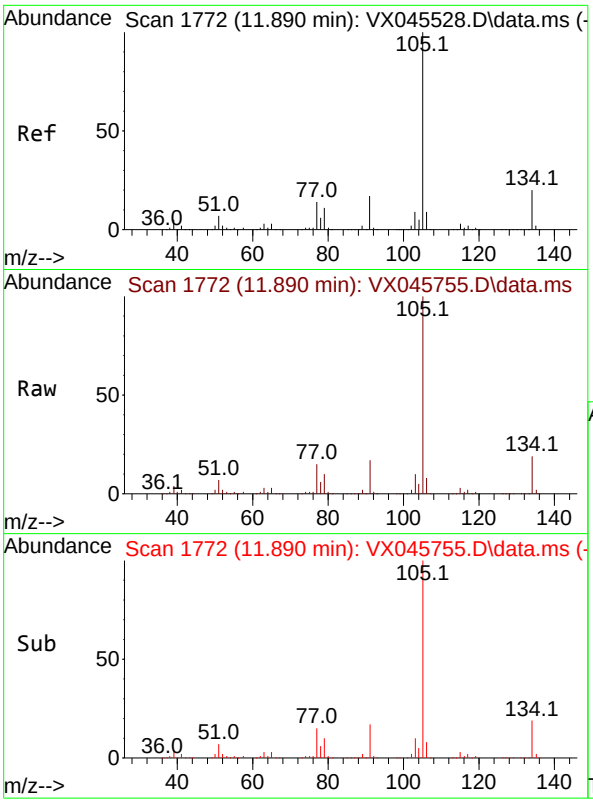


#84
1,2,4-Trimethylbenzene
Concen: 52.093 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:105 Resp: 240175

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.4	64.3





#85
sec-Butylbenzene
Concen: 52.107 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

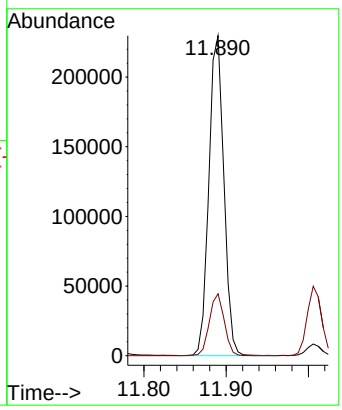
Tgt Ion:105 Resp: 29106

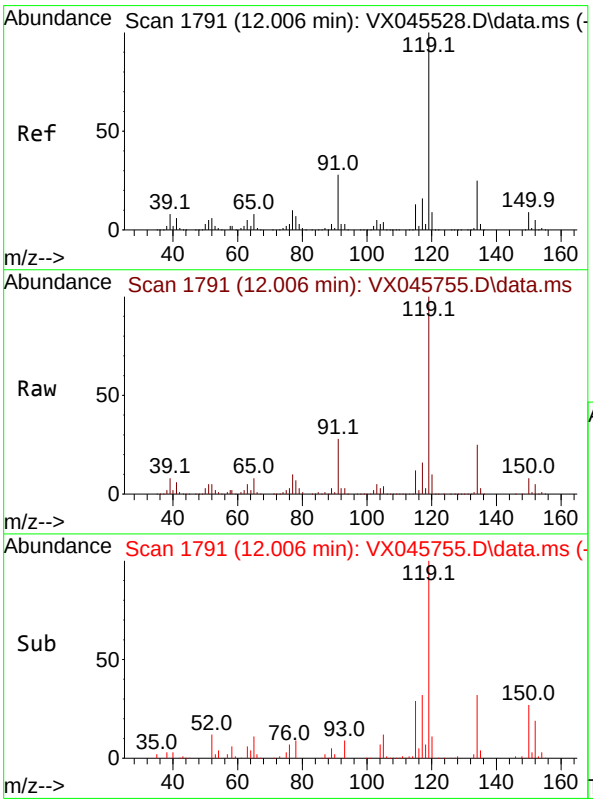
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

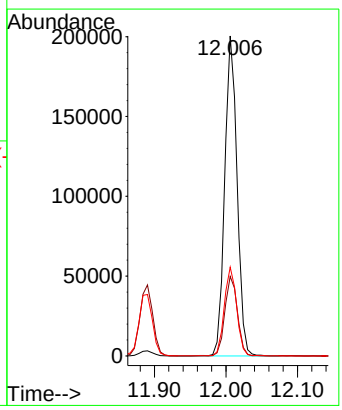


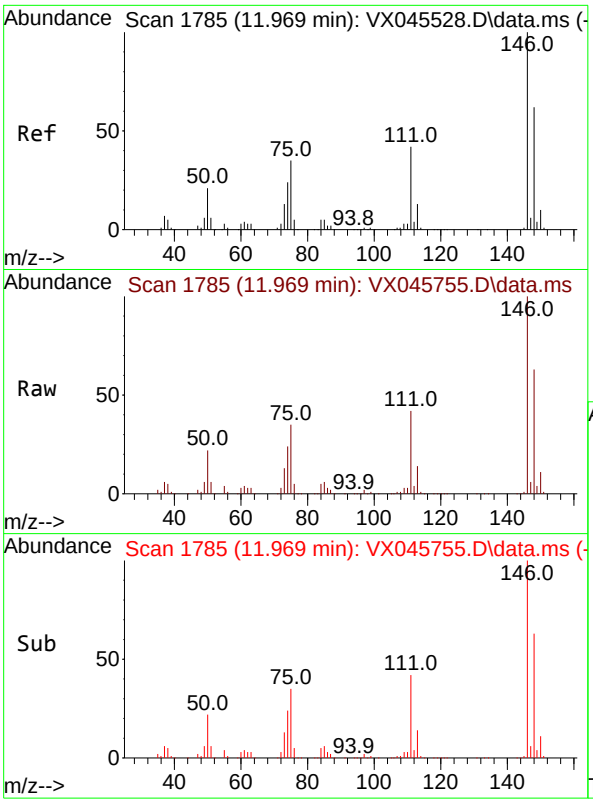


#86
p-Isopropyltoluene
Concen: 52.221 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:119 Resp: 240485

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.6	37.8
91	27.8	13.7	41.1

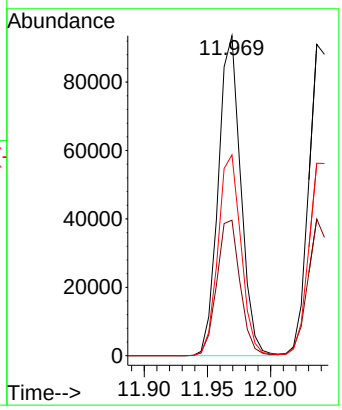




#87
1,3-Dichlorobenzene
Concen: 49.473 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:146 Resp: 11558

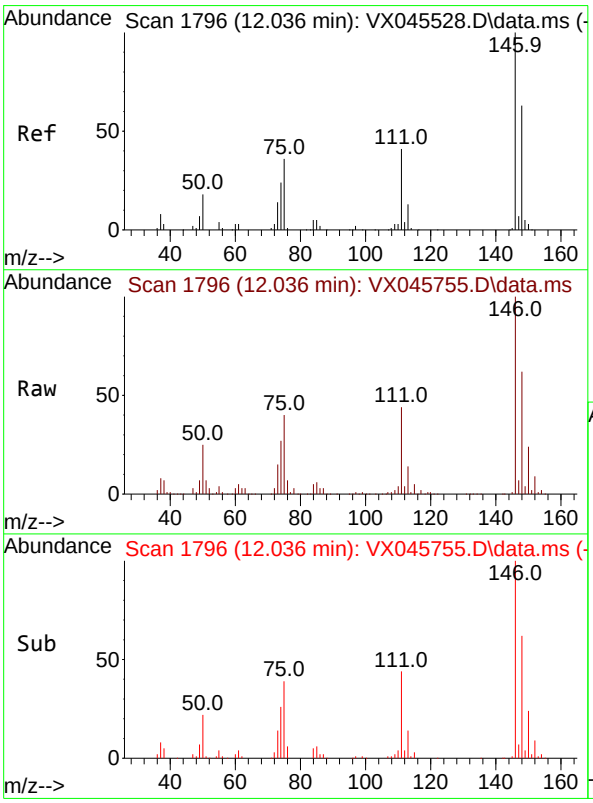
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	64.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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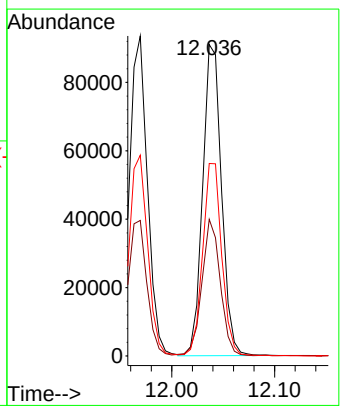
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

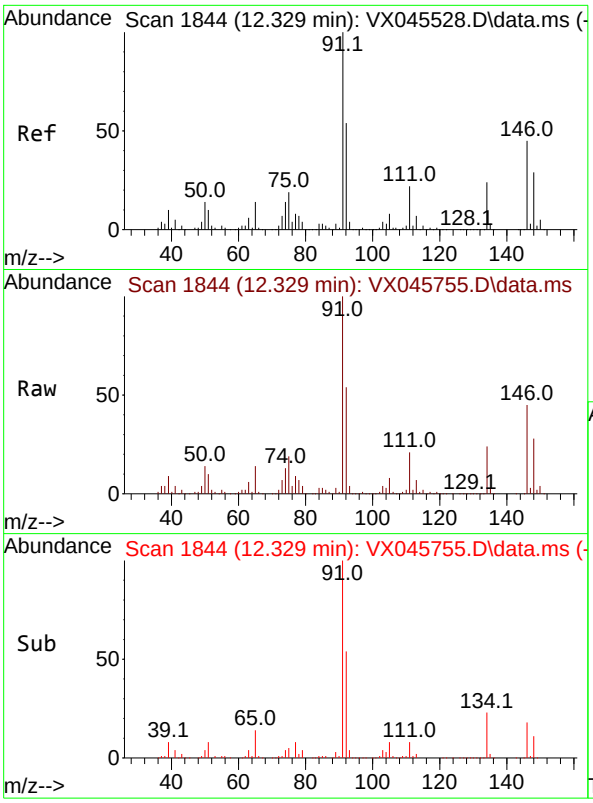


#88
1,4-Dichlorobenzene
Concen: 48.933 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:146 Resp: 115905

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.9	62.8
148	63.1	31.5	94.5





#89
n-Butylbenzene
Concen: 53.729 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

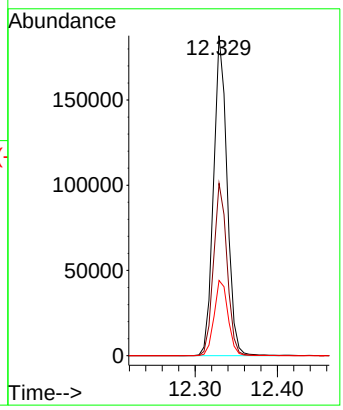
Tgt Ion: 91 Resp: 21456

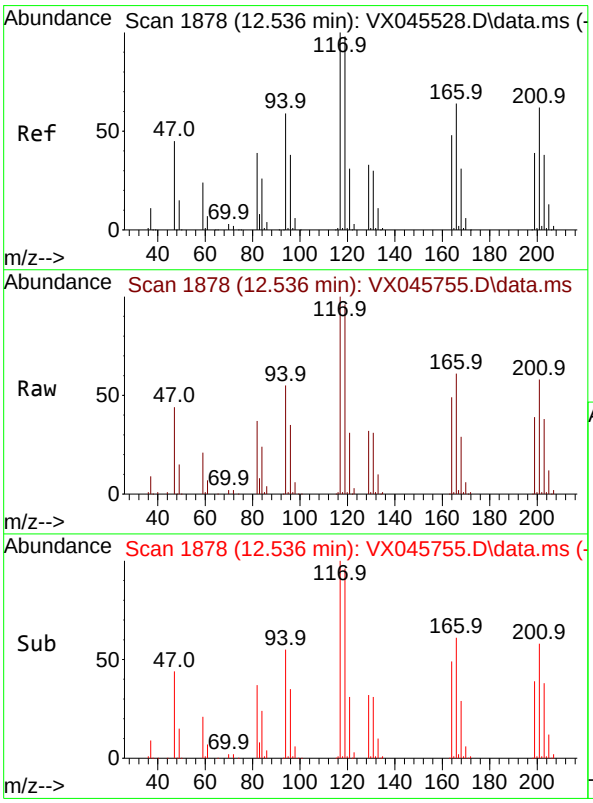
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.6
134	24.3	11.9	35.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

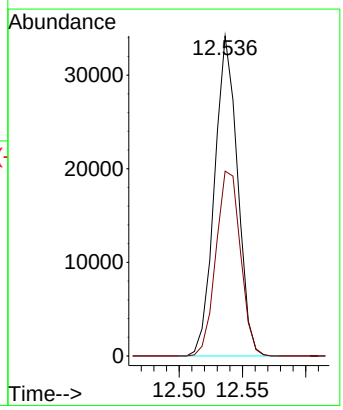


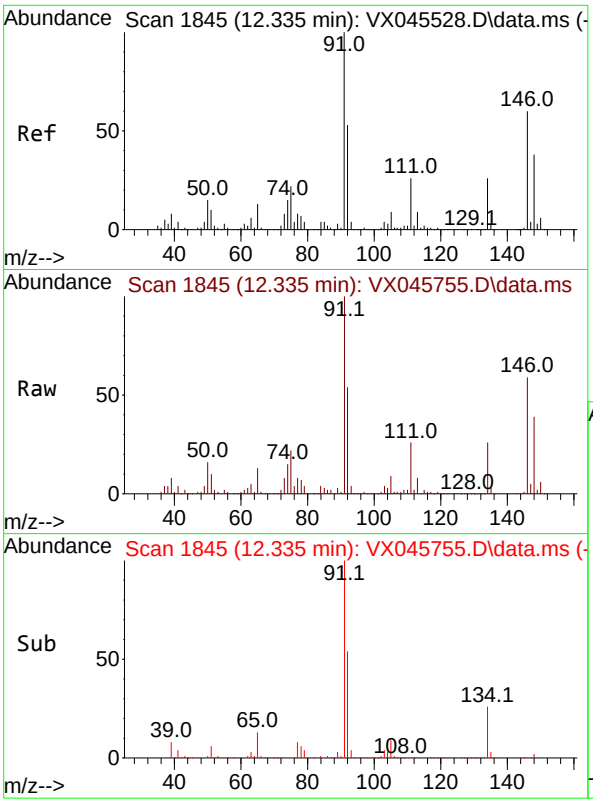


#90
Hexachloroethane
Concen: 54.495 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:117 Resp: 43129

Ion	Ratio	Lower	Upper
117	100		
201	61.7	31.2	93.6

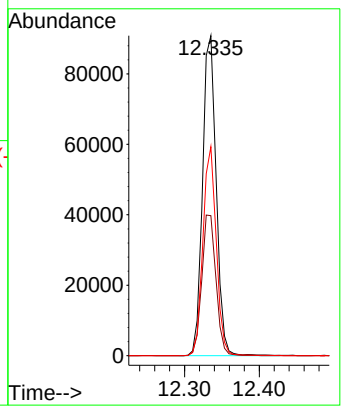




#91
1,2-Dichlorobenzene
Concen: 49.608 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:146 Resp: 11523

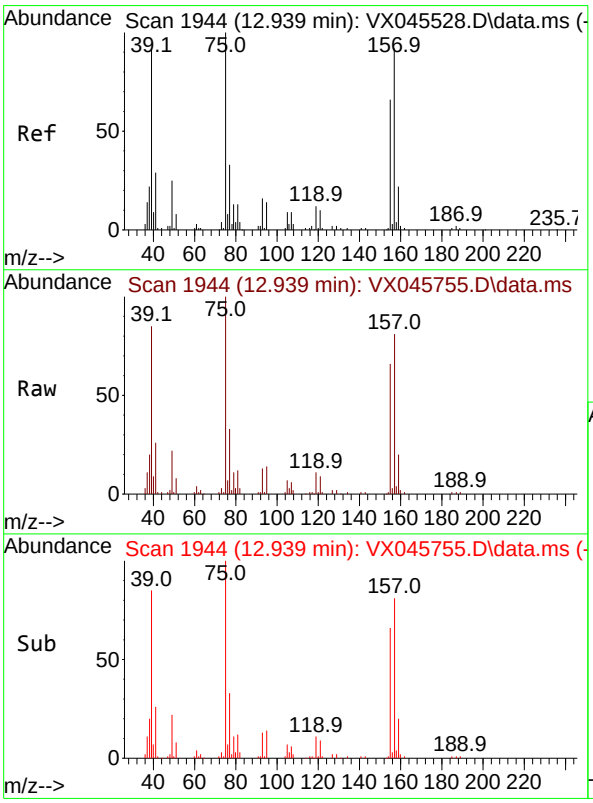
Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.9	68.8
148	64.0	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

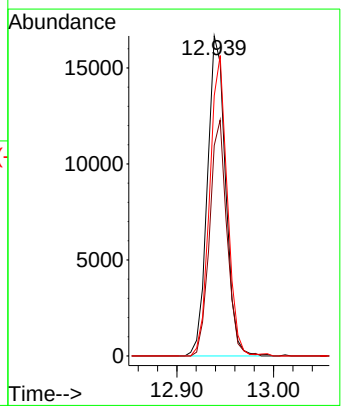
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

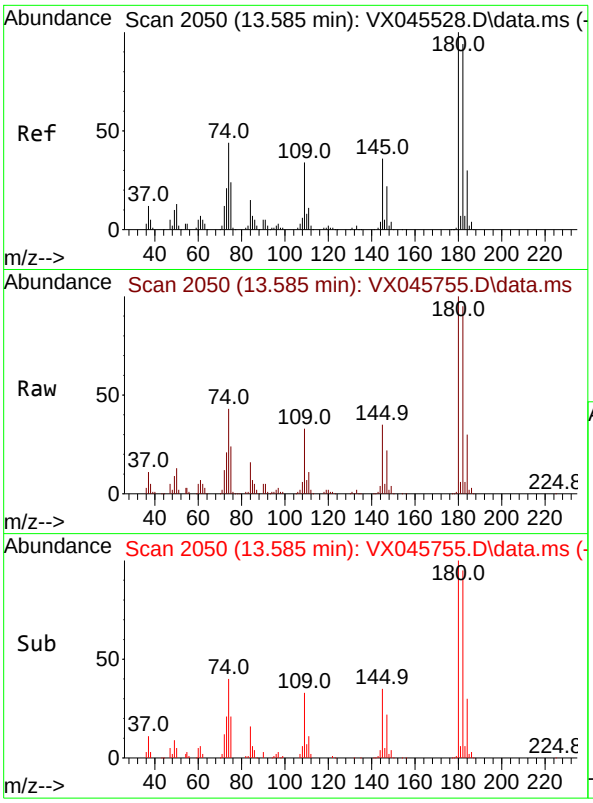


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.561 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion: 75 Resp: 21859

Ion	Ratio	Lower	Upper
75	100		
155	70.0	34.9	104.7
157	90.2	44.9	134.7

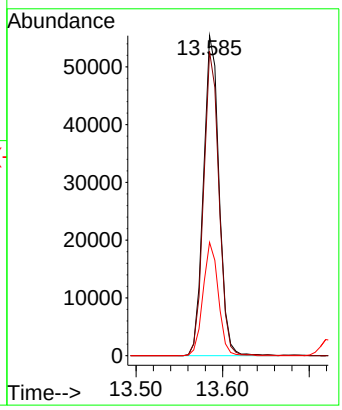




#93
1,2,4-Trichlorobenzene
Concen: 53.707 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

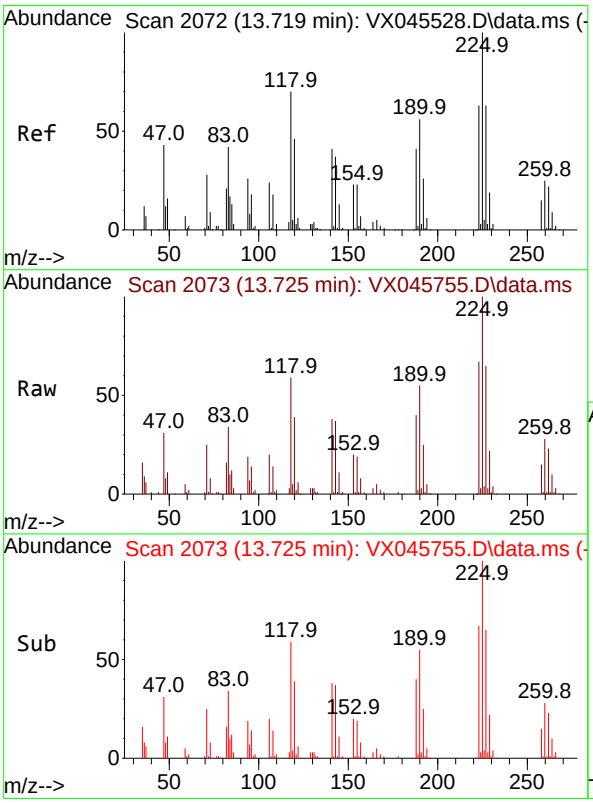
Tgt Ion:180 Resp: 6944

Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.6
145	34.7	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

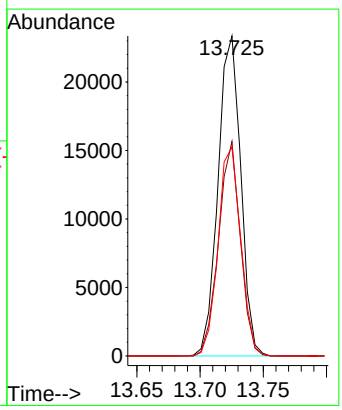
Manual Integrations APPROVED
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

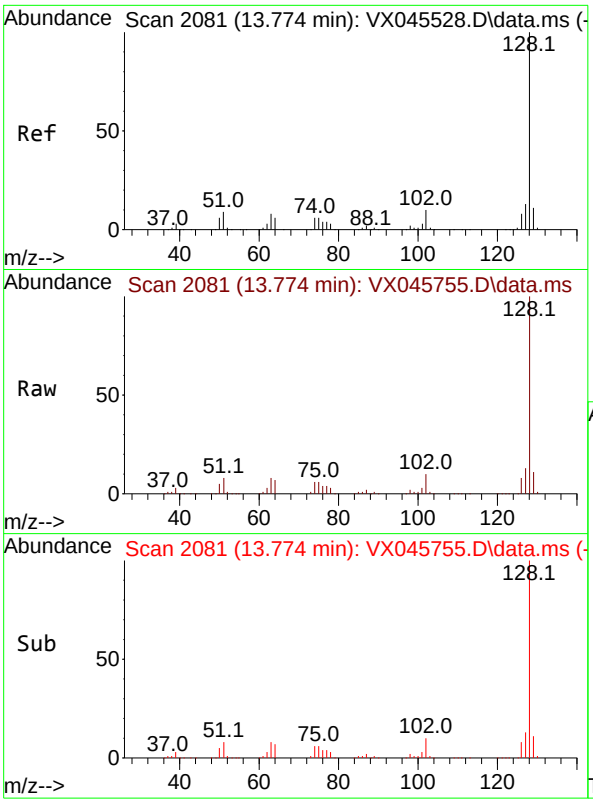


#94
Hexachlorobutadiene
Concen: 52.320 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:225 Resp: 29151

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.1	93.3
227	64.9	32.2	96.6

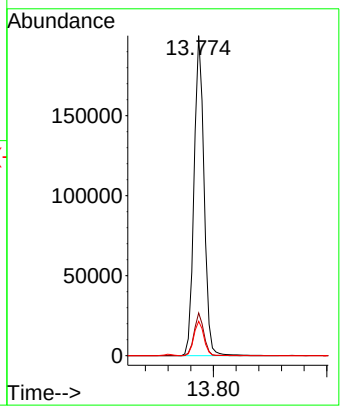




#95
Naphthalene
Concen: 50.849 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:128 Resp: 24466

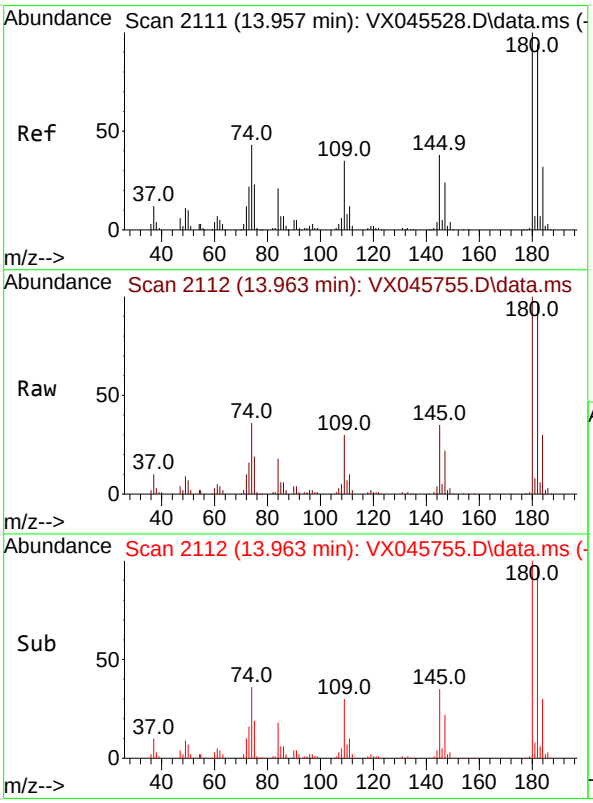
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

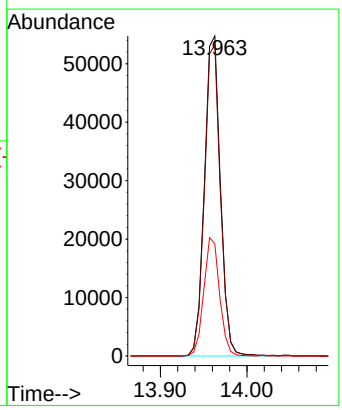
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.826 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045755.D
Acq: 14 Apr 2025 09:50

Tgt Ion:180 Resp: 70168

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.3	141.8
145	36.5	18.2	54.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045755.D
Acq On : 14 Apr 2025 09:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 15 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	100	-0.01
2	T	Dichlorodifluoromethane	0.748	0.800	-7.0	98	0.00
3	P	Chloromethane	0.768	0.734	4.4	94	0.00
4	C	Vinyl Chloride	0.703	0.674	4.1#	94	0.00
5	T	Bromomethane	0.333	0.298	10.5	90	0.00
6	T	Chloroethane	0.373	0.349	6.4	88	0.00
7	T	Trichlorofluoromethane	1.048	1.052	-0.4	97	0.00
8	T	Diethyl Ether	0.352	0.350	0.6	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.636	-3.6	102	0.00
10	T	Methyl Iodide	0.766	0.732	4.4	92	0.00
11	T	Tert butyl alcohol	0.123	0.123	0.0	97	0.00
12	CM	1,1-Dichloroethene	0.600	0.582	3.0#	96	0.00
13	T	Acrolein	0.169	0.164	3.0	98	0.00
14	T	Allyl chloride	1.139	1.147	-0.7	98	0.00
15	T	Acrylonitrile	0.388	0.378	2.6	93	0.00
16	T	Acetone	0.375	0.359	4.3	95	0.00
17	T	Carbon Disulfide	1.483	1.314	11.4	85	0.00
18	T	Methyl Acetate	0.864	0.985	-14.0	115	0.00
19	T	Methyl tert-butyl Ether	2.100	2.131	-1.5	101	0.00
20	T	Methylene Chloride	0.703	0.678	3.6	96	0.00
21	T	trans-1,2-Dichloroethene	0.613	0.590	3.8	94	0.00
22	T	Diisopropyl ether	2.243	2.263	-0.9	99	0.00
23	T	Vinyl Acetate	1.938	1.946	-0.4	93	0.00
24	P	1,1-Dichloroethane	1.269	1.238	2.4	98	0.00
25	T	2-Butanone	0.550	0.541	1.6	92	0.00
26	T	2,2-Dichloropropane	0.820	0.956	-16.6	113	0.00
27	T	cis-1,2-Dichloroethene	0.747	0.715	4.3	95	0.00
28	T	Bromochloromethane	0.613	0.578	5.7	97	0.00
29	T	Tetrahydrofuran	0.356	0.341	4.2	92	0.00
30	C	Chloroform	1.306	1.301	0.4#	99	0.00
31	T	Cyclohexane	1.122	1.046	6.8	93	0.00
32	T	1,1,1-Trichloroethane	1.105	1.132	-2.4	102	0.00
33	S	1,2-Dichloroethane-d4	0.914	0.872	4.6	100	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.355	0.354	0.3	100	0.00
36	T	1,1-Dichloropropene	0.479	0.483	-0.8	97	0.00
37	T	Ethyl Acetate	0.604	0.585	3.1	91	0.00
38	T	Carbon Tetrachloride	0.518	0.558	-7.7	101	0.00
39	T	Methylcyclohexane	0.587	0.603	-2.7	94	0.00
40	TM	Benzene	1.463	1.438	1.7	94	0.00
41	T	Methacrylonitrile	0.318	0.344	-8.2	95	0.00
42	TM	1,2-Dichloroethane	0.604	0.637	-5.5	100	0.00
43	T	Isopropyl Acetate	0.915	0.958	-4.7	95	0.00
44	TM	Trichloroethene	0.348	0.349	-0.3	97	0.00
45	C	1,2-Dichloropropane	0.365	0.369	-1.1#	95	0.00
46	T	Dibromomethane	0.280	0.289	-3.2	96	0.00
47	T	Bromodichloromethane	0.560	0.596	-6.4	101	0.00
48	T	Methyl methacrylate	0.472	0.500	-5.9	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045755.D
Acq On : 14 Apr 2025 09:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 15 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	93	0.00
50	S	Toluene-d8	1.238	1.196	3.4	96	0.00
51	T	4-Methyl-2-Pentanone	0.606	0.636	-5.0	93	0.00
52	CM	Toluene	0.885	0.883	0.2#	94	0.00
53	T	t-1,3-Dichloropropene	0.467	0.528	-13.1	101	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.580	-10.3	99	0.00
55	T	1,1,2-Trichloroethane	0.353	0.355	-0.6	96	0.00
56	T	Ethyl methacrylate	0.546	0.576	-5.5	93	0.00
57	T	1,3-Dichloropropane	0.614	0.625	-1.8	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.276	0.295	-6.9	96	0.00
59	T	2-Hexanone	0.449	0.469	-4.5	93	0.00
60	T	Dibromochloromethane	0.385	0.415	-7.8	98	0.00
61	T	1,2-Dibromoethane	0.357	0.374	-4.8	97	0.00
62	S	4-Bromofluorobenzene	0.451	0.461	-2.2	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.353	0.357	-1.1	99	0.00
65	PM	Chlorobenzene	1.068	1.094	-2.4	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.371	0.389	-4.9	100	0.00
67	C	Ethyl Benzene	1.914	1.972	-3.0#	94	0.00
68	T	m/p-Xylenes	0.696	0.722	-3.7	95	0.00
69	T	o-Xylene	0.686	0.707	-3.1	94	0.00
70	T	Styrene	1.132	1.211	-7.0	96	0.00
71	P	Bromoform	0.277	0.304	-9.7	99	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
73	T	Isopropylbenzene	4.005	3.969	0.9	96	0.00
74	T	N-amyl acetate	1.916	1.903	0.7	93	0.00
75	P	1,1,2,2-Tetrachloroethane	1.407	1.310	6.9	95	0.00
76	T	1,2,3-Trichloropropane	1.220	1.134	7.0	93	0.00
77	T	Bromobenzene	0.925	0.894	3.4	96	0.00
78	T	n-propylbenzene	4.613	4.672	-1.3	96	0.00
79	T	2-Chlorotoluene	2.949	2.885	2.2	98	0.00
80	T	1,3,5-Trimethylbenzene	3.312	3.413	-3.0	98	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.360	-0.3	98	0.00
82	T	4-Chlorotoluene	3.288	3.322	-1.0	97	0.00
83	T	tert-Butylbenzene	3.279	3.321	-1.3	98	0.00
84	T	1,2,4-Trimethylbenzene	3.324	3.463	-4.2	99	0.00
85	T	sec-Butylbenzene	4.027	4.197	-4.2	98	0.00
86	T	p-Isopropyltoluene	3.320	3.468	-4.5	99	0.00
87	T	1,3-Dichlorobenzene	1.684	1.667	1.0	99	0.00
88	T	1,4-Dichlorobenzene	1.708	1.671	2.2	99	0.00
89	T	n-Butylbenzene	2.879	3.094	-7.5	99	0.00
90	T	Hexachloroethane	0.571	0.622	-8.9	105	0.00
91	T	1,2-Dichlorobenzene	1.675	1.662	0.8	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.294	0.315	-7.1	101	0.00
93	T	1,2,4-Trichlorobenzene	0.932	1.001	-7.4	107	0.00
94	T	Hexachlorobutadiene	0.402	0.420	-4.5	105	0.00
95	T	Naphthalene	3.469	3.528	-1.7	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045755.D
Acq On : 14 Apr 2025 09:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 15 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 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	0.976	1.012	-3.7	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045755.D
Acq On : 14 Apr 2025 09:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 15 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	100	-0.01
2	T	Dichlorodifluoromethane	50.000	53.508	-7.0	98	0.00
3	P	Chloromethane	50.000	47.789	4.4	94	0.00
4	C	Vinyl Chloride	50.000	47.924	4.2#	94	0.00
5	T	Bromomethane	50.000	44.652	10.7	90	0.00
6	T	Chloroethane	50.000	46.775	6.5	88	0.00
7	T	Trichlorofluoromethane	50.000	50.156	-0.3	97	0.00
8	T	Diethyl Ether	50.000	49.684	0.6	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.806	-3.6	102	0.00
10	T	Methyl Iodide	50.000	47.748	4.5	92	0.00
11	T	Tert butyl alcohol	250.000	250.309	-0.1	97	0.00
12	CM	1,1-Dichloroethene	50.000	48.457	3.1#	96	0.00
13	T	Acrolein	250.000	241.606	3.4	98	0.00
14	T	Allyl chloride	50.000	50.361	-0.7	98	0.00
15	T	Acrylonitrile	250.000	243.906	2.4	93	0.00
16	T	Acetone	250.000	238.951	4.4	95	0.00
17	T	Carbon Disulfide	50.000	44.327	11.3	85	0.00
18	T	Methyl Acetate	50.000	56.997	-14.0	115	0.00
19	T	Methyl tert-butyl Ether	50.000	50.737	-1.5	101	0.00
20	T	Methylene Chloride	50.000	48.220	3.6	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.076	3.8	94	0.00
22	T	Diisopropyl ether	50.000	50.441	-0.9	99	0.00
23	T	Vinyl Acetate	250.000	251.035	-0.4	93	0.00
24	P	1,1-Dichloroethane	50.000	48.790	2.4	98	0.00
25	T	2-Butanone	250.000	245.878	1.6	92	0.00
26	T	2,2-Dichloropropane	50.000	58.335	-16.7	113	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.841	4.3	95	0.00
28	T	Bromochloromethane	50.000	47.156	5.7	97	0.00
29	T	Tetrahydrofuran	250.000	239.457	4.2	92	0.00
30	C	Chloroform	50.000	49.824	0.4#	99	0.00
31	T	Cyclohexane	50.000	46.617	6.8	93	0.00
32	T	1,1,1-Trichloroethane	50.000	51.222	-2.4	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.685	4.6	100	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	49.935	0.1	100	0.00
36	T	1,1-Dichloropropene	50.000	50.372	-0.7	97	0.00
37	T	Ethyl Acetate	50.000	48.498	3.0	91	0.00
38	T	Carbon Tetrachloride	50.000	53.935	-7.9	101	0.00
39	T	Methylcyclohexane	50.000	51.314	-2.6	94	0.00
40	TM	Benzene	50.000	49.153	1.7	94	0.00
41	T	Methacrylonitrile	50.000	53.993	-8.0	95	0.00
42	TM	1,2-Dichloroethane	50.000	52.719	-5.4	100	0.00
43	T	Isopropyl Acetate	50.000	52.361	-4.7	95	0.00
44	TM	Trichloroethene	50.000	50.156	-0.3	97	0.00
45	C	1,2-Dichloropropane	50.000	50.585	-1.2#	95	0.00
46	T	Dibromomethane	50.000	51.514	-3.0	96	0.00
47	T	Bromodichloromethane	50.000	53.266	-6.5	101	0.00
48	T	Methyl methacrylate	50.000	52.915	-5.8	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045755.D
Acq On : 14 Apr 2025 09:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 15 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 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	1040.803	-4.1	93	0.00
50	S	Toluene-d8	50.000	48.295	3.4	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	262.161	-4.9	93	0.00
52	CM	Toluene	50.000	49.889	0.2#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	49.105	1.8	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.128	-10.3	99	0.00
55	T	1,1,2-Trichloroethane	50.000	50.356	-0.7	96	0.00
56	T	Ethyl methacrylate	50.000	52.749	-5.5	93	0.00
57	T	1,3-Dichloropropane	50.000	50.859	-1.7	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	266.898	-6.8	96	0.00
59	T	2-Hexanone	250.000	260.880	-4.4	93	0.00
60	T	Dibromochloromethane	50.000	53.994	-8.0	98	0.00
61	T	1,2-Dibromoethane	50.000	52.409	-4.8	97	0.00
62	S	4-Bromofluorobenzene	50.000	51.102	-2.2	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	50.573	-1.1	99	0.00
65	PM	Chlorobenzene	50.000	51.185	-2.4	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.374	-4.7	100	0.00
67	C	Ethyl Benzene	50.000	51.532	-3.1#	94	0.00
68	T	m/p-Xylenes	100.000	103.705	-3.7	95	0.00
69	T	o-Xylene	50.000	51.580	-3.2	94	0.00
70	T	Styrene	50.000	53.510	-7.0	96	0.00
71	P	Bromoform	50.000	54.834	-9.7	99	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
73	T	Isopropylbenzene	50.000	49.552	0.9	96	0.00
74	T	N-amyl acetate	50.000	49.653	0.7	93	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.556	6.9	95	0.00
76	T	1,2,3-Trichloropropane	50.000	46.494	7.0	93	0.00
77	T	Bromobenzene	50.000	48.288	3.4	96	0.00
78	T	n-propylbenzene	50.000	50.642	-1.3	96	0.00
79	T	2-Chlorotoluene	50.000	48.915	2.2	98	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.533	-3.1	98	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.119	-0.2	98	0.00
82	T	4-Chlorotoluene	50.000	50.511	-1.0	97	0.00
83	T	tert-Butylbenzene	50.000	50.636	-1.3	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.093	-4.2	99	0.00
85	T	sec-Butylbenzene	50.000	52.107	-4.2	98	0.00
86	T	p-Isopropyltoluene	50.000	52.221	-4.4	99	0.00
87	T	1,3-Dichlorobenzene	50.000	49.473	1.1	99	0.00
88	T	1,4-Dichlorobenzene	50.000	48.933	2.1	99	0.00
89	T	n-Butylbenzene	50.000	53.729	-7.5	99	0.00
90	T	Hexachloroethane	50.000	54.495	-9.0	105	0.00
91	T	1,2-Dichlorobenzene	50.000	49.608	0.8	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.561	-7.1	101	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.707	-7.4	107	0.00
94	T	Hexachlorobutadiene	50.000	52.320	-4.6	105	0.00
95	T	Naphthalene	50.000	50.849	-1.7	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045755.D
Acq On : 14 Apr 2025 09:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Apr 15 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 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	51.826	-3.7	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1790 SAS No.: Q1790 SDG No.: Q1790

Instrument ID: MSVOA_Y Calibration Date/Time: 04/15/2025 09:03

Lab File ID: VY021882.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Trichloroethene	0.377	0.406		7.69	20
1,2-Dichloroethane-d4	0.542	0.514		-5.17	20
Dibromofluoromethane	0.324	0.329		1.54	20
Toluene-d8	1.234	1.225		-0.73	20
4-Bromofluorobenzene	0.417	0.437		4.8	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_Y\Data\VY041525\
Data File : VY021882.D
Acq On : 15 Apr 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 02:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	252212	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	387709	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.420	117	344739	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	176924	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.060	65	129583	47.420 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.840%		
35) Dibromofluoromethane	7.634	113	127454	50.677 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.360%		
50) Toluene-d8	10.109	98	474914	49.637 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.280%		
62) 4-Bromofluorobenzene	12.407	95	169500	52.375 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.740%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	113219	43.311 ug/l	99
3) Chloromethane	2.068	50	149844	40.765 ug/l	98
4) Vinyl Chloride	2.202	62	176616	42.486 ug/l	99
5) Bromomethane	2.592	94	118907	41.939 ug/l	97
6) Chloroethane	2.732	64	117566	43.220 ug/l	98
7) Trichlorofluoromethane	3.055	101	242127	45.468 ug/l	95
8) Diethyl Ether	3.452	74	70593	48.747 ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	134051	47.729 ug/l	98
10) Methyl Iodide	4.000	142	159189	51.664 ug/l	99
11) Tert butyl alcohol	4.854	59	43683	246.112 ug/l	96
12) 1,1-Dichloroethene	3.787	96	127397	48.157 ug/l	98
13) Acrolein	3.653	56	17545	54.136 ug/l	100
14) Allyl chloride	4.384	41	202967	48.120 ug/l	99
15) Acrylonitrile	5.055	53	151497	250.549 ug/l	100
16) Acetone	3.866	43	123279	220.431 ug/l	96
17) Carbon Disulfide	4.104	76	388647	44.603 ug/l	99
18) Methyl Acetate	4.378	43	84171	60.726 ug/l	95
19) Methyl tert-butyl Ether	5.116	73	338811	51.442 ug/l	99
20) Methylene Chloride	4.610	84	143772	52.748 ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	143403	49.233 ug/l	98
22) Diisopropyl ether	6.018	45	443040	50.071 ug/l	96
23) Vinyl Acetate	5.957	43	1244327	240.393 ug/l	99
24) 1,1-Dichloroethane	5.915	63	260502	49.237 ug/l	99
25) 2-Butanone	6.890	43	194407	243.373 ug/l	98
26) 2,2-Dichloropropane	6.884	77	235182	49.972 ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	167021	50.990 ug/l	98
28) Bromochloromethane	7.244	49	109032	48.864 ug/l	94
29) Tetrahydrofuran	7.262	42	126629	246.311 ug/l	97
30) Chloroform	7.420	83	275737	50.107 ug/l	98
31) Cyclohexane	7.701	56	215380	44.657 ug/l	97
32) 1,1,1-Trichloroethane	7.615	97	246437	49.549 ug/l	99
36) 1,1-Dichloropropene	7.835	75	190706	49.783 ug/l	98
37) Ethyl Acetate	6.981	43	87596	48.452 ug/l	99
38) Carbon Tetrachloride	7.817	117	223203	50.872 ug/l	99
39) Methylcyclohexane	9.109	83	229912	50.240 ug/l	99
40) Benzene	8.079	78	582905	50.810 ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021882.D
Acq On : 15 Apr 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 02:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	47562	49.538	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	164460	50.851	ug/l		99
43) Isopropyl Acetate	8.195	43	173604	50.671	ug/l	#	85
44) Trichloroethene	8.865	130	157315	53.820	ug/l		99
45) 1,2-Dichloropropane	9.140	63	139506	51.373	ug/l		98
46) Dibromomethane	9.231	93	81279	51.935	ug/l		98
47) Bromodichloromethane	9.420	83	211248	52.093	ug/l		99
48) Methyl methacrylate	9.219	41	80874	51.433	ug/l		97
49) 1,4-Dioxane	9.231	88	18384	1096.546	ug/l	#	91
51) 4-Methyl-2-Pentanone	9.999	43	473176	265.393	ug/l		100
52) Toluene	10.170	92	377894	52.796	ug/l		99
53) t-1,3-Dichloropropene	10.395	75	190548	52.901	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	220353	51.856	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	106182	52.722	ug/l		98
56) Ethyl methacrylate	10.438	69	144364	56.137	ug/l		97
57) 1,3-Dichloropropane	10.719	76	184238	52.968	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	365010	290.953	ug/l		98
59) 2-Hexanone	10.761	43	310878	261.814	ug/l		97
60) Dibromochloromethane	10.914	129	147386	53.600	ug/l		100
61) 1,2-Dibromoethane	11.017	107	102499	54.253	ug/l		99
64) Tetrachloroethene	10.645	164	181606	57.840	ug/l		98
65) Chlorobenzene	11.444	112	411870	52.119	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	147773	52.704	ug/l		98
67) Ethyl Benzene	11.517	91	722279	53.300	ug/l		100
68) m/p-Xylenes	11.633	106	556160	107.178	ug/l		99
69) o-Xylene	11.956	106	264235	55.164	ug/l		99
70) Styrene	11.968	104	441254	55.250	ug/l		99
71) Bromoform	12.133	173	86599	54.146	ug/l	#	100
73) Isopropylbenzene	12.255	105	692870	52.727	ug/l		100
74) N-amyl acetate	12.072	43	157994	51.230	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	111454	47.175	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	93294m	53.196	ug/l		
77) Bromobenzene	12.535	156	166313	52.712	ug/l		96
78) n-propylbenzene	12.596	91	829804	52.525	ug/l		99
79) 2-Chlorotoluene	12.682	91	476932	51.976	ug/l		99
80) 1,3,5-Trimethylbenzene	12.736	105	569169	52.996	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	38094	50.049	ug/l		98
82) 4-Chlorotoluene	12.779	91	496802	51.932	ug/l		99
83) tert-Butylbenzene	12.999	119	502983	52.580	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	571642	53.853	ug/l		100
85) sec-Butylbenzene	13.175	105	743617	53.193	ug/l		99
86) p-Isopropyltoluene	13.291	119	632394	54.732	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	325398	52.347	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	318449	51.852	ug/l		98
89) n-Butylbenzene	13.620	91	575537	53.861	ug/l		99
90) Hexachloroethane	13.883	117	129286	51.061	ug/l		96
91) 1,2-Dichlorobenzene	13.663	146	285549	52.770	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18777	51.278	ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	171949	58.596	ug/l		99
94) Hexachlorobutadiene	15.029	225	103857	56.670	ug/l		99
95) Naphthalene	15.145	128	301505	61.987	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	149087	59.579	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021882.D
Acq On : 15 Apr 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 02:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

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

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

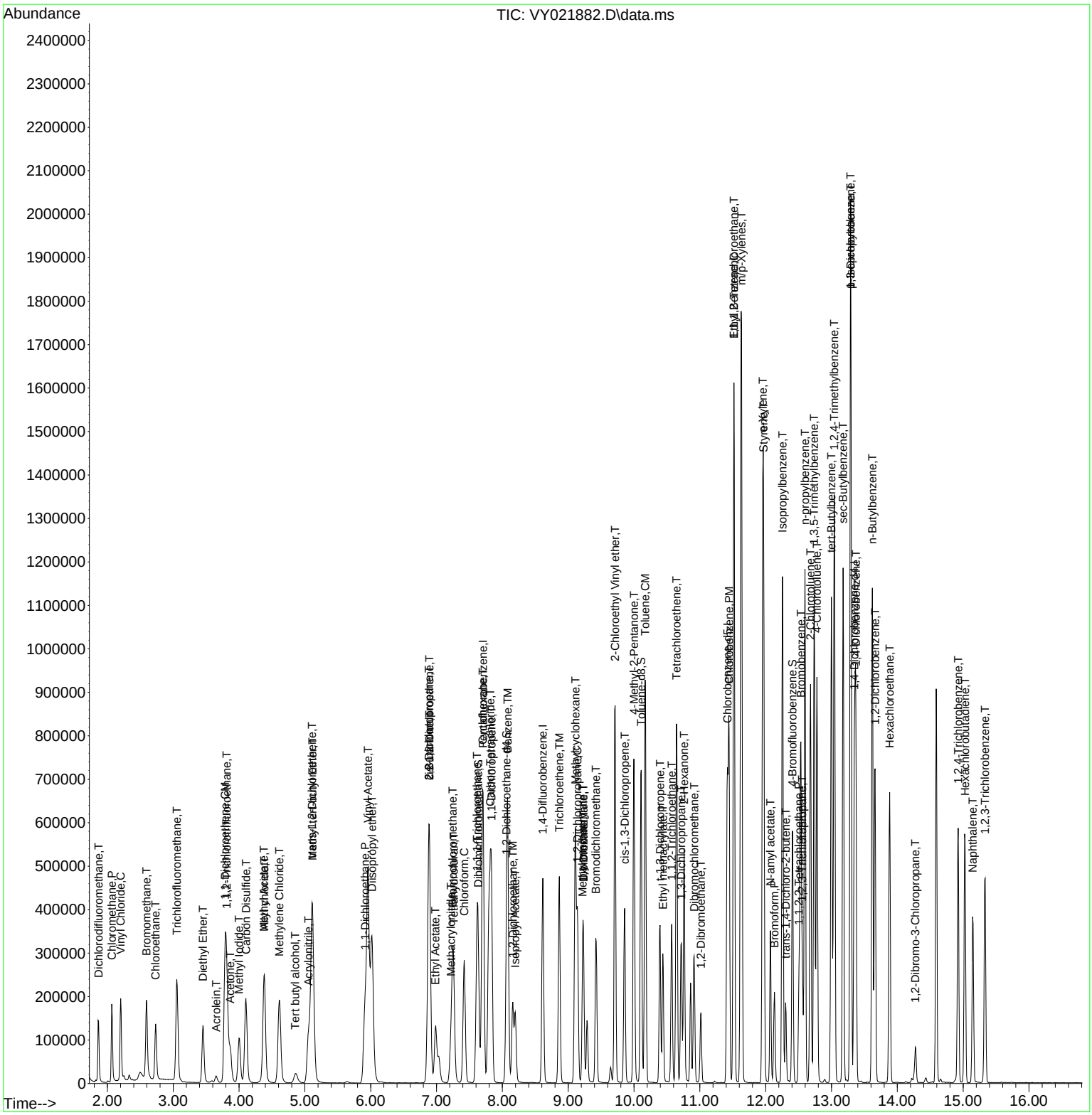
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021882.D
Acq On : 15 Apr 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

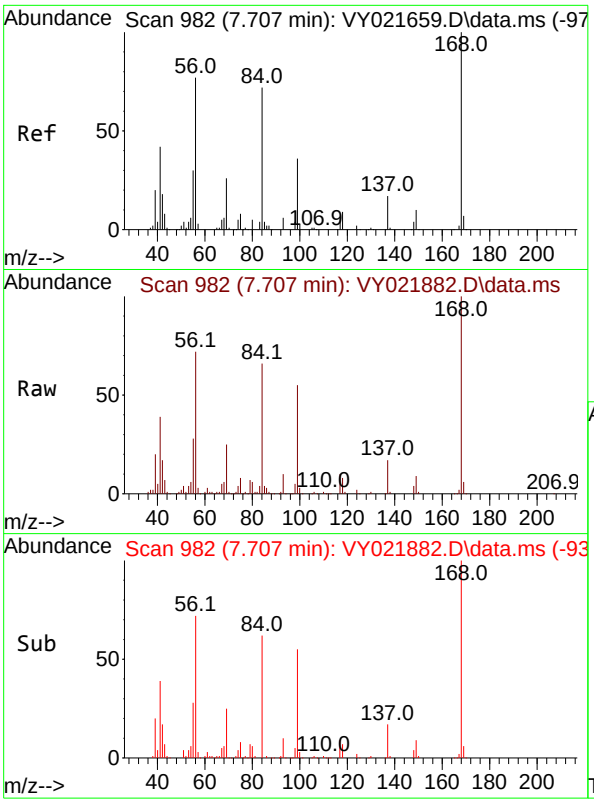
Quant Time: Apr 16 02:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

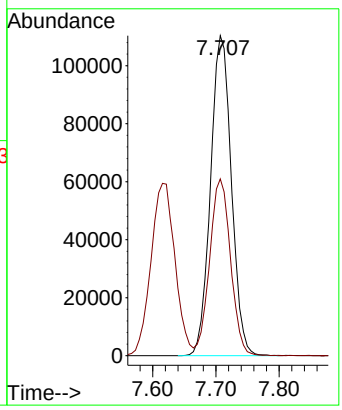




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:168 Resp: 25221

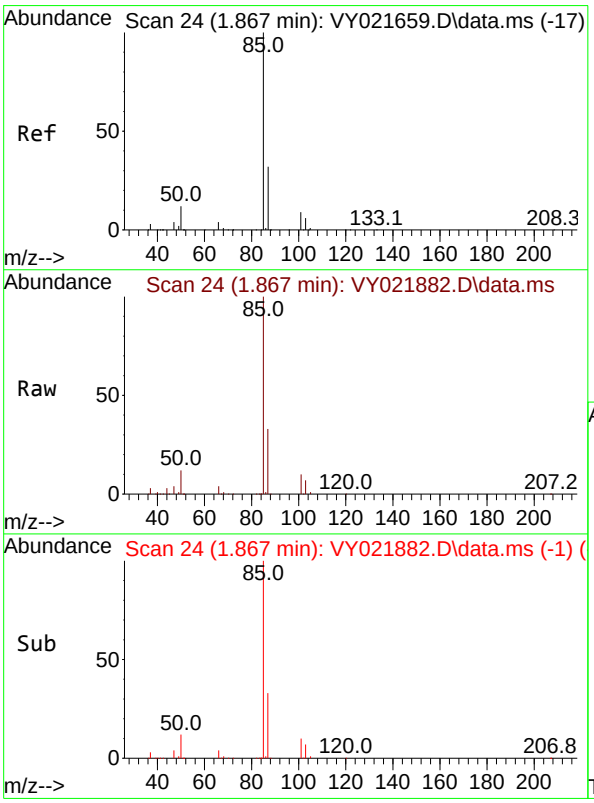
Ion	Ratio	Lower	Upper
168	100		
99	55.2	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

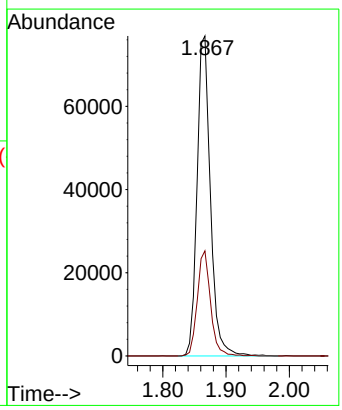
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

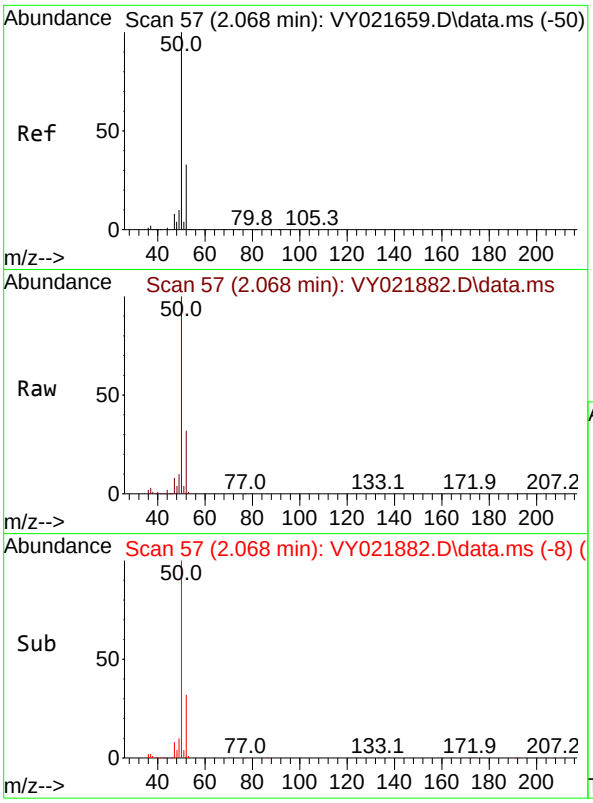


#2
Dichlorodifluoromethane
Concen: 43.311 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 85 Resp: 113219

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.2	48.6

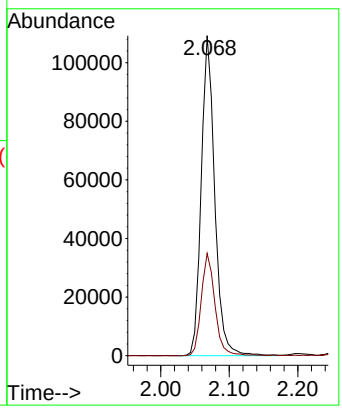




#3
Chloromethane
Concen: 40.765 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 50 Resp: 14984

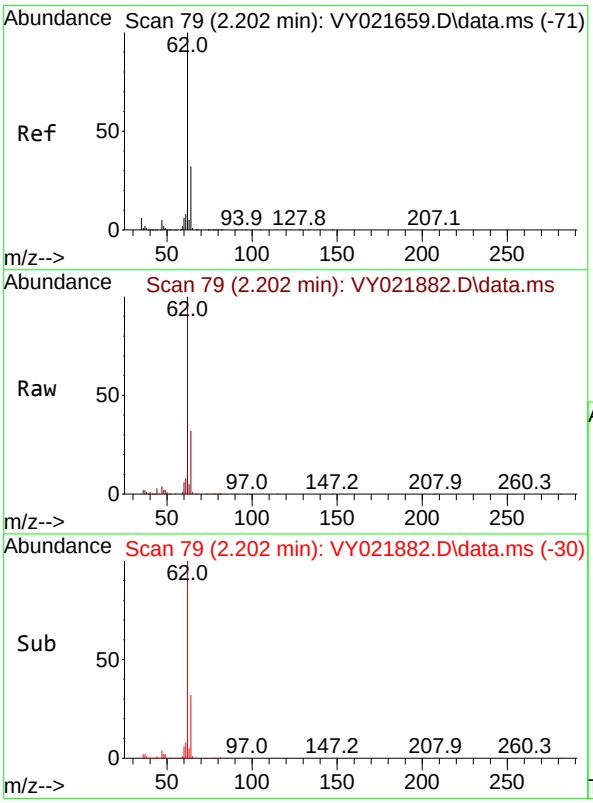
Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

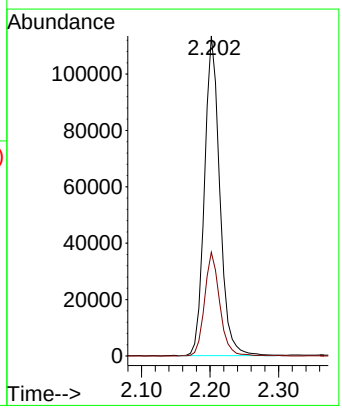
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

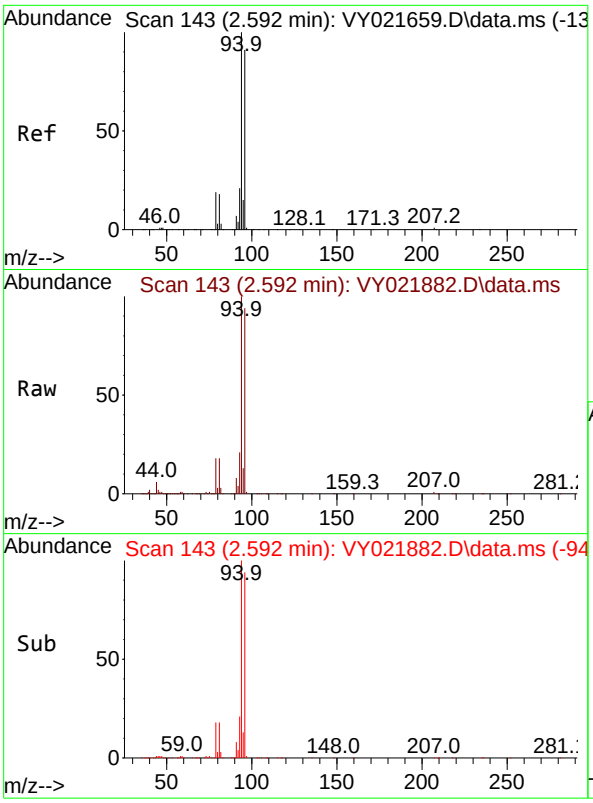


#4
Vinyl Chloride
Concen: 42.486 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 62 Resp: 176616

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.5	38.3

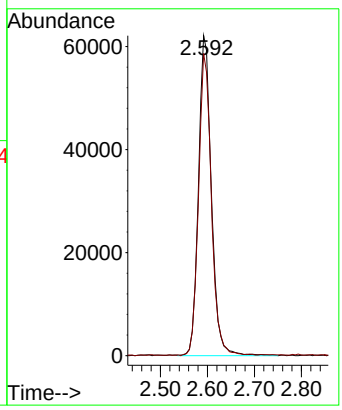




#5
Bromomethane
Concen: 41.939 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 94 Resp: 11890

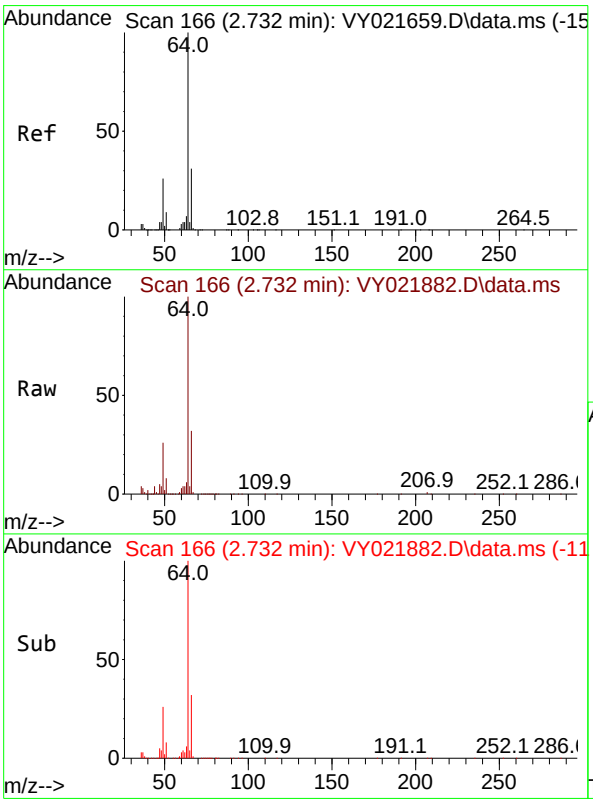
Ion	Ratio	Lower	Upper
94	100		
96	94.2	72.8	109.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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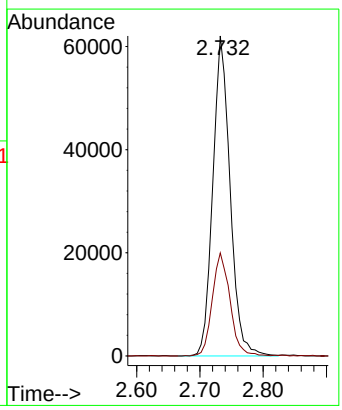
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

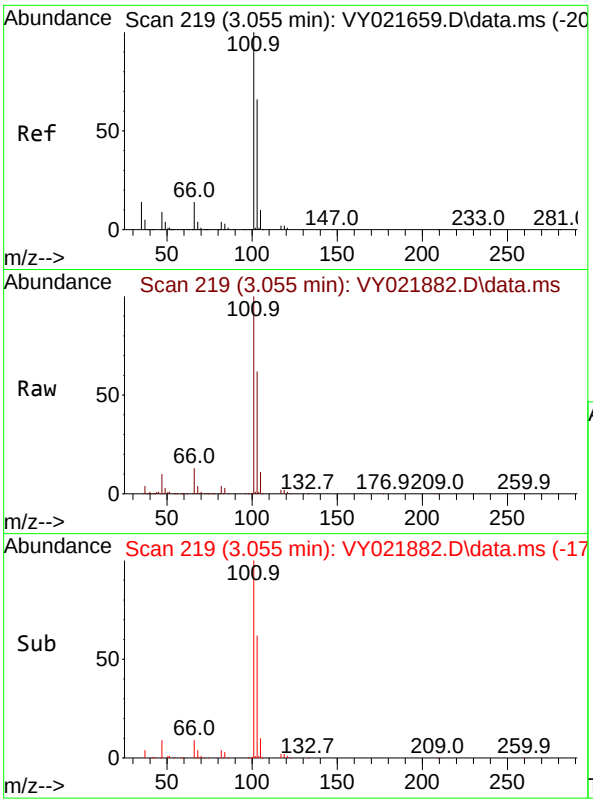


#6
Chloroethane
Concen: 43.220 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 64 Resp: 117566

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.9	37.3

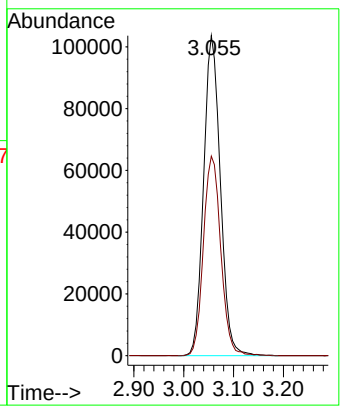




#7
Trichlorofluoromethane
Concen: 45.468 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:101 Resp: 24212

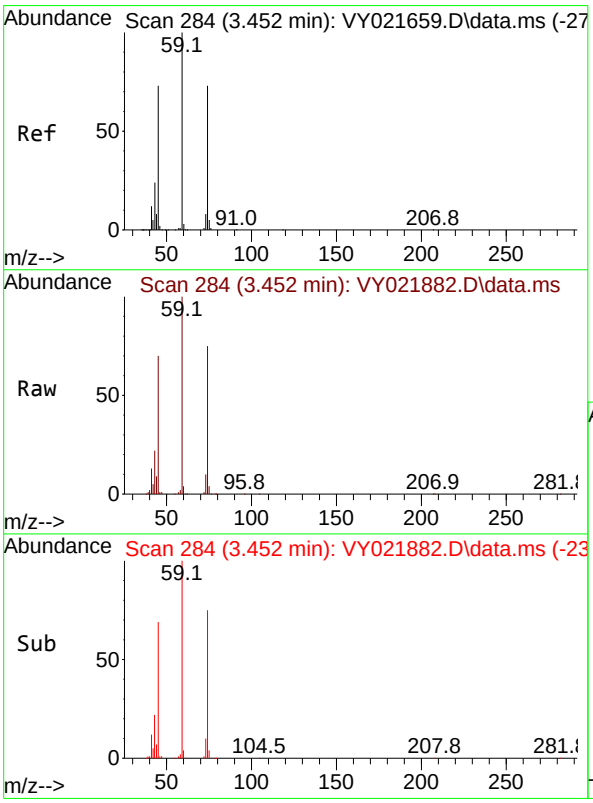
Ion	Ratio	Lower	Upper
101	100		
103	62.3	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

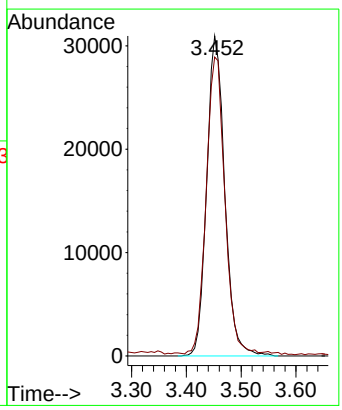
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

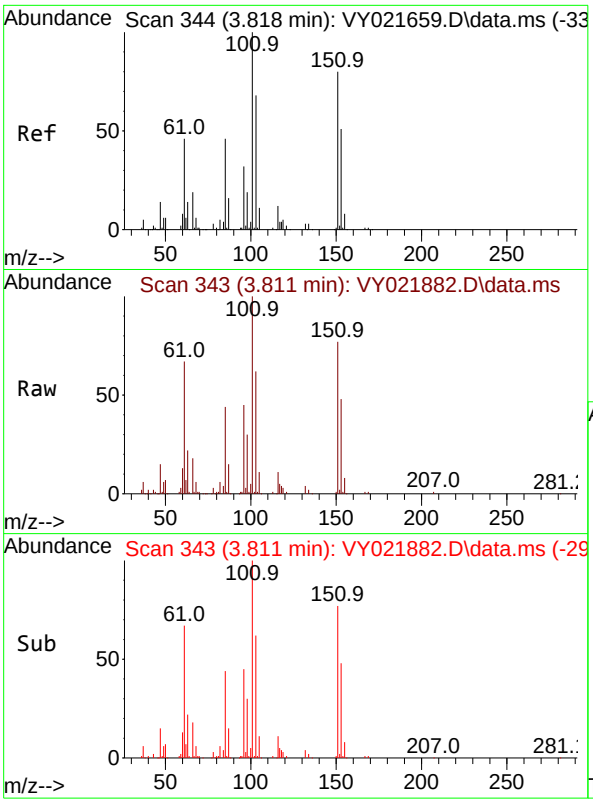


#8
Diethyl Ether
Concen: 48.747 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 74 Resp: 70593

Ion	Ratio	Lower	Upper
74	100		
45	95.5	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.729 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

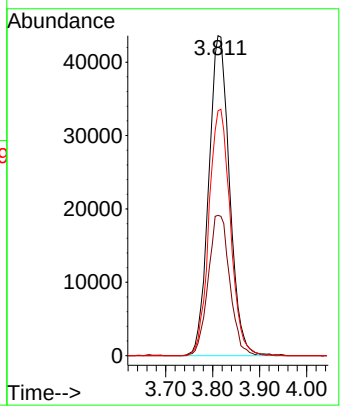
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

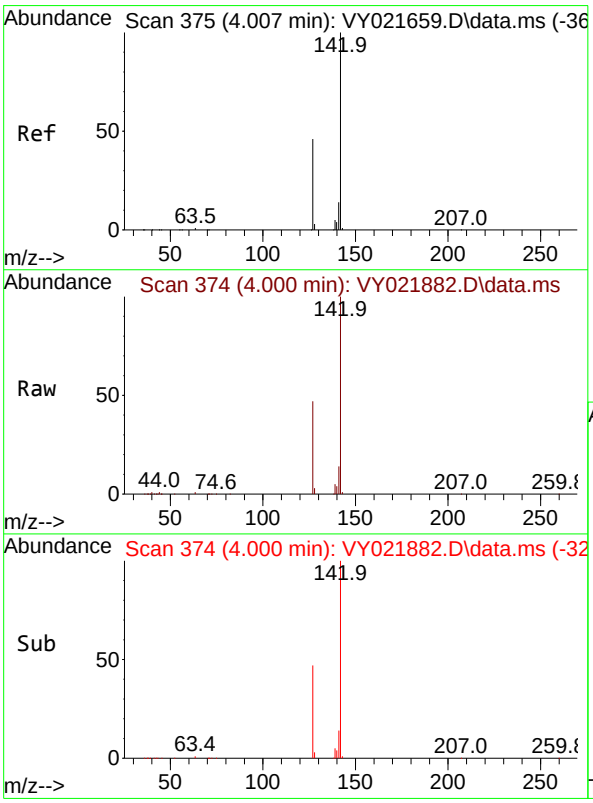
Tgt Ion:101 Resp: 13405

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.3	54.5
151	79.0	61.3	91.9

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

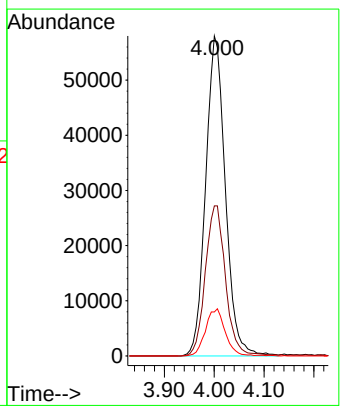


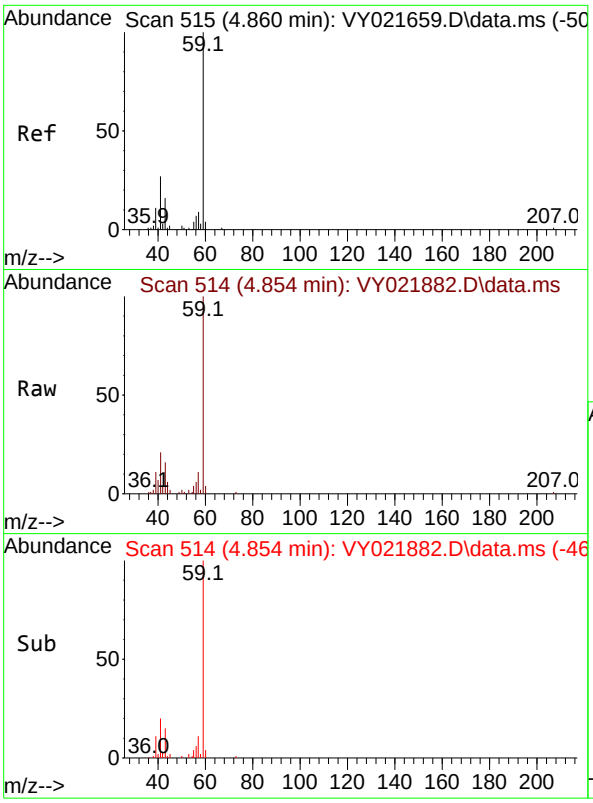


#10
Methyl Iodide
Concen: 51.664 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:142 Resp: 159189

Ion	Ratio	Lower	Upper
142	100		
127	48.1	38.7	58.1
141	14.8	11.5	17.3

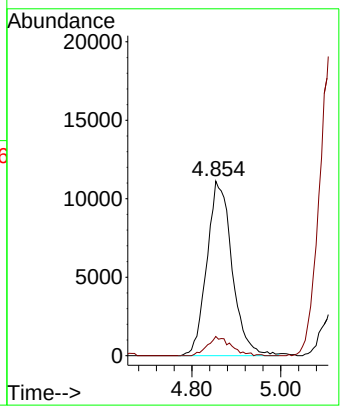




#11
Tert butyl alcohol
Concen: 246.112 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 59 Resp: 4368

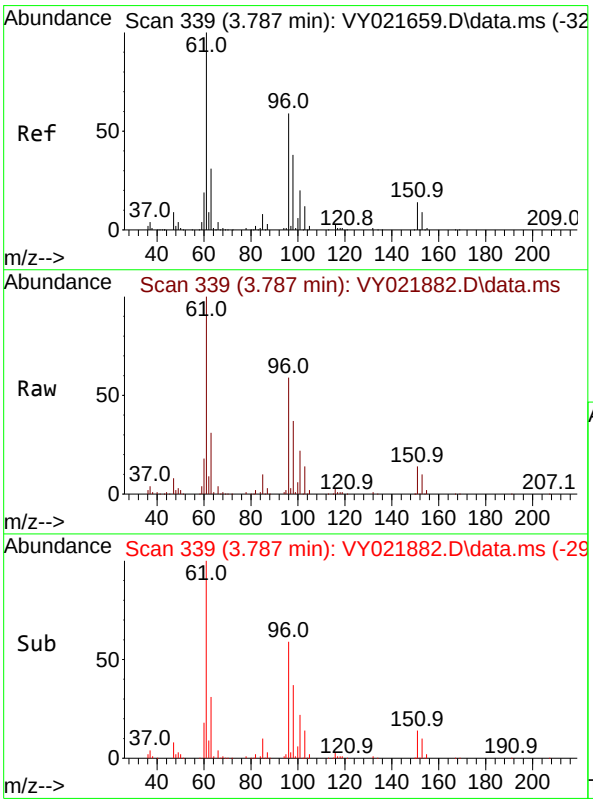
Ion	Ratio	Lower	Upper
59	100		
57	10.1	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

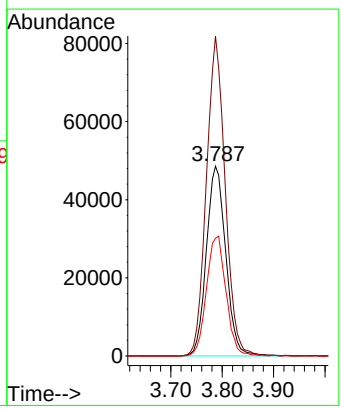
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

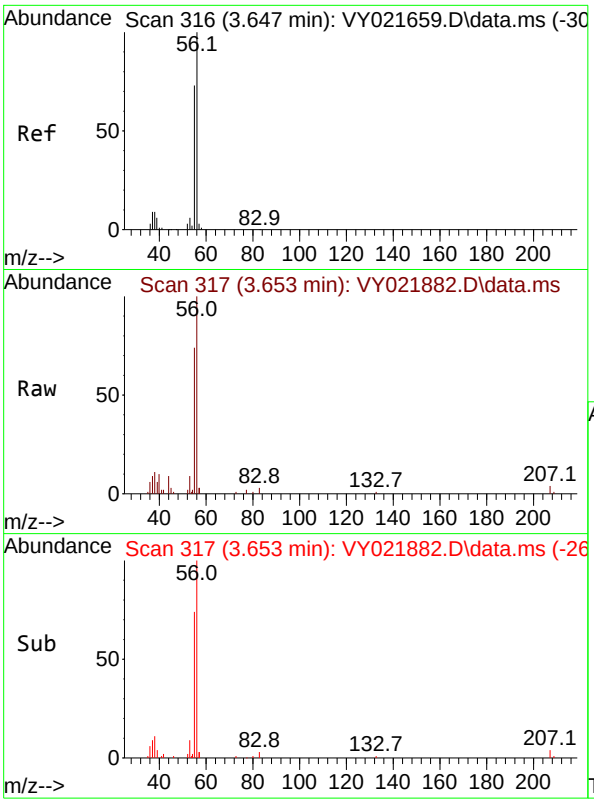


#12
1,1-Dichloroethene
Concen: 48.157 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 96 Resp: 127397

Ion	Ratio	Lower	Upper
96	100		
61	168.6	136.6	204.8
98	61.9	52.3	78.5

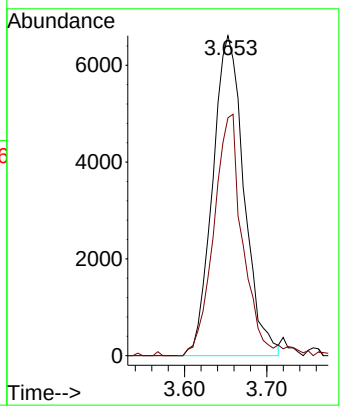




#13
Acrolein
Concen: 54.136 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 56 Resp: 1754

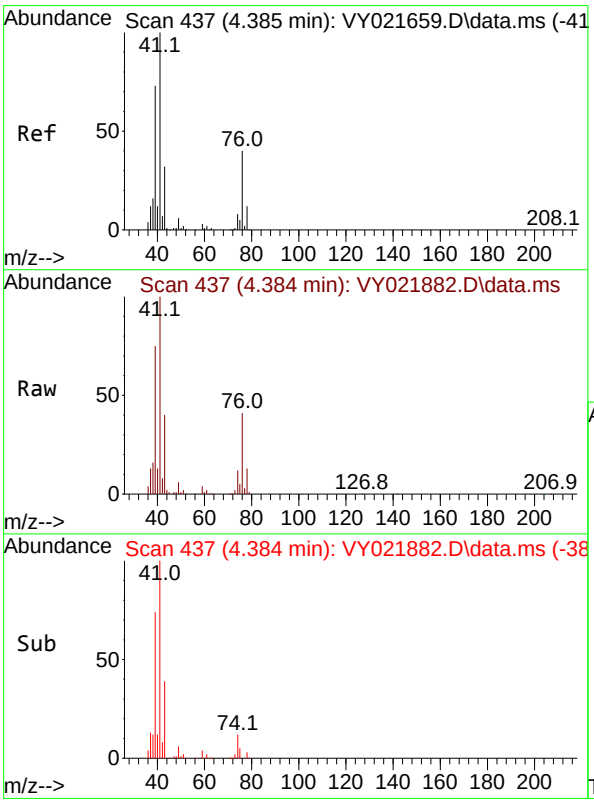
Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

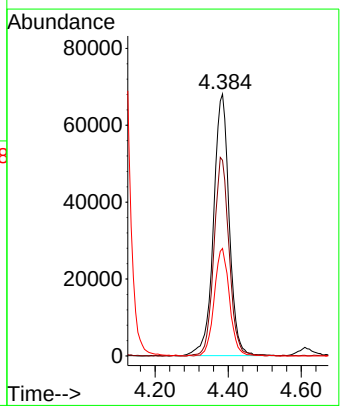
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

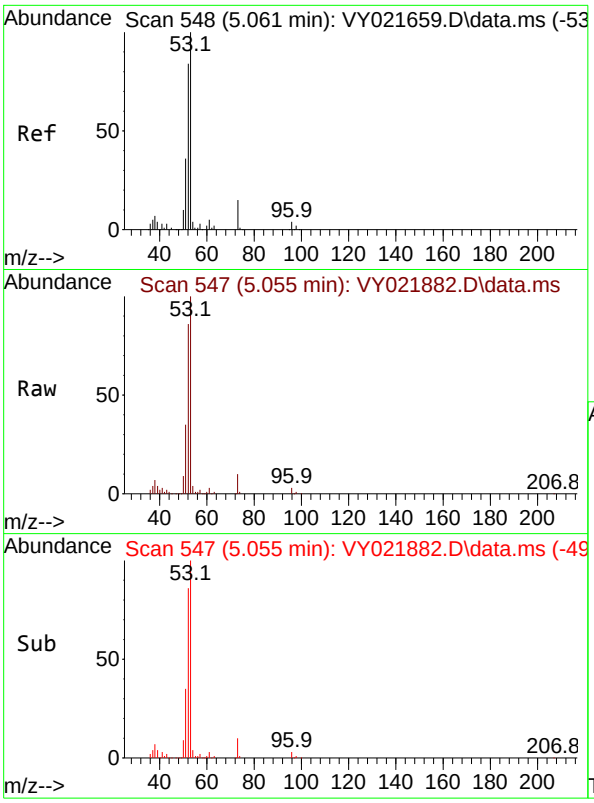


#14
Allyl chloride
Concen: 48.120 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 41 Resp: 202967

Ion	Ratio	Lower	Upper
41	100		
39	73.5	58.6	88.0
76	40.0	30.3	45.5

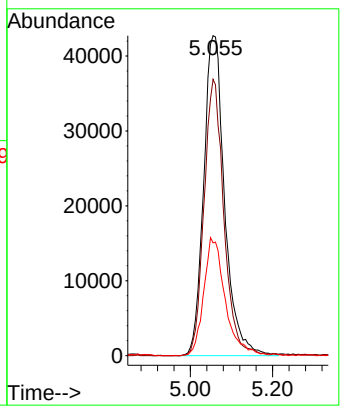




#15
Acrylonitrile
Concen: 250.549 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 53 Resp: 15149

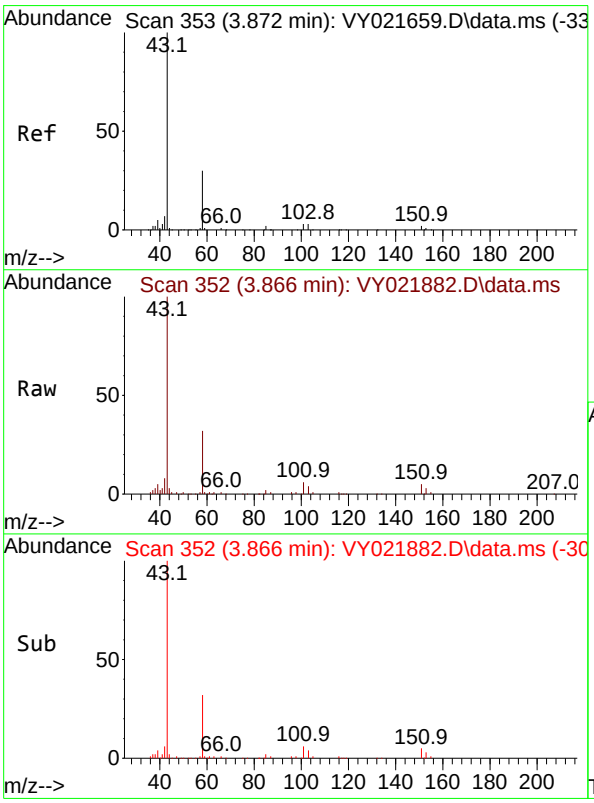
Ion	Ratio	Lower	Upper
53	100		
52	81.5	64.9	97.3
51	37.6	30.2	45.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

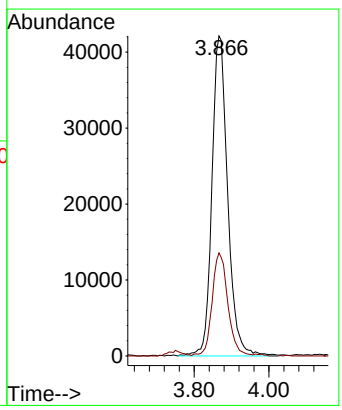
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

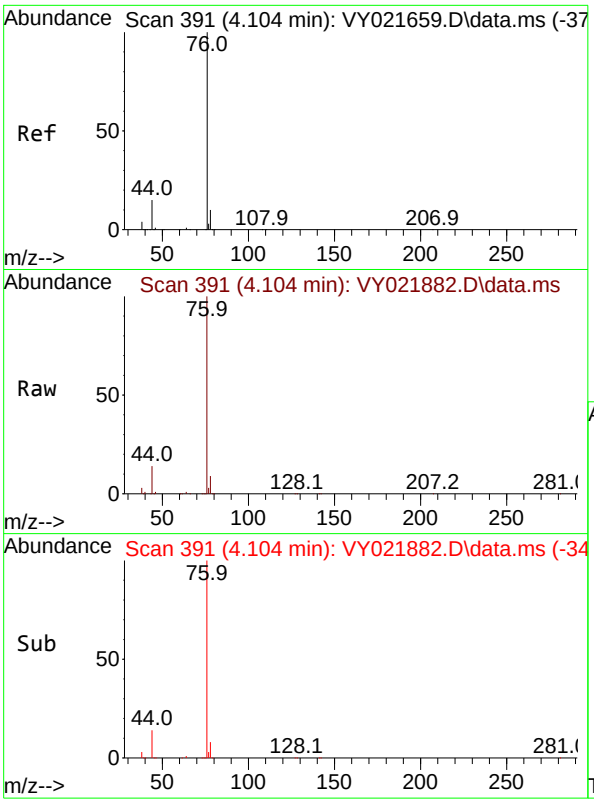


#16
Acetone
Concen: 220.431 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 43 Resp: 123279

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.2	36.4





#17
Carbon Disulfide
Concen: 44.603 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

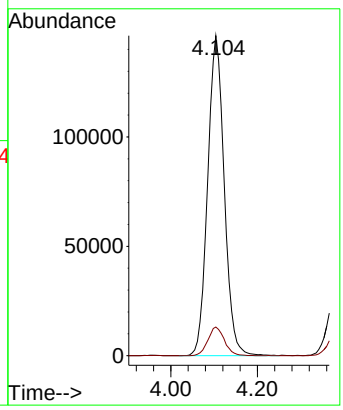
Tgt Ion: 76 Resp: 38864

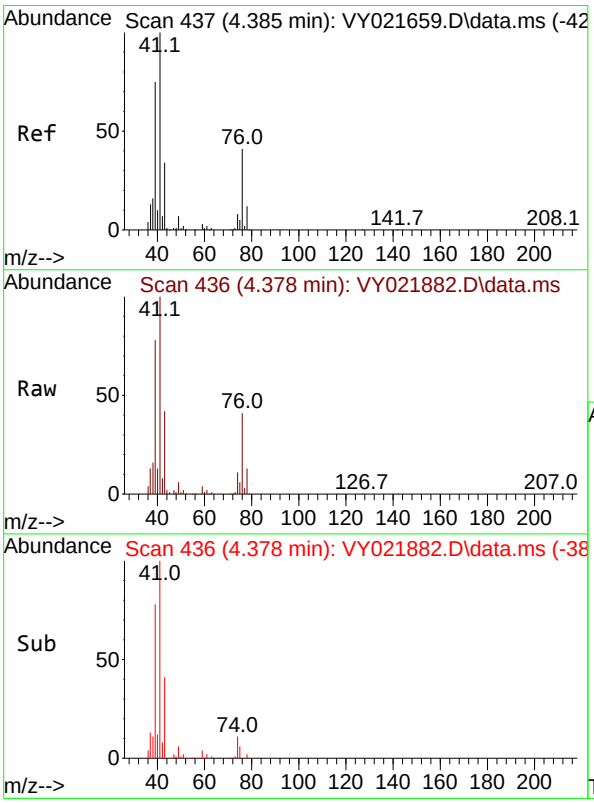
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

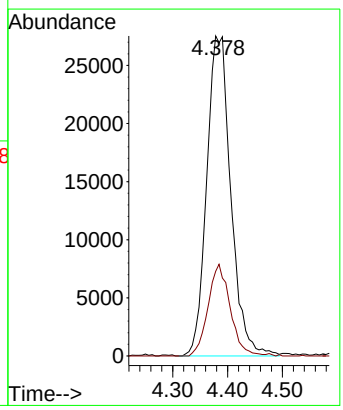


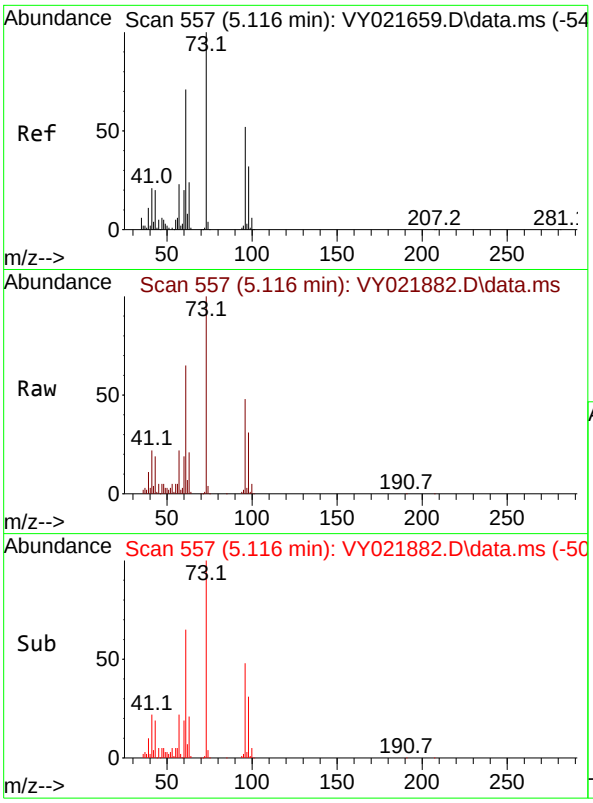


#18
Methyl Acetate
Concen: 60.726 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 43 Resp: 84171

Ion	Ratio	Lower	Upper
43	100		
74	26.3	19.1	28.7

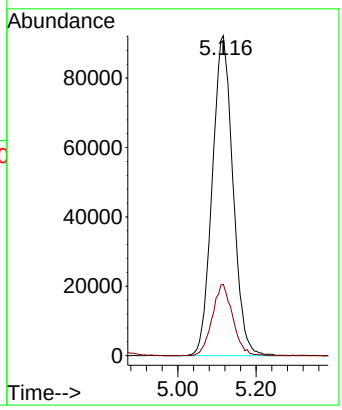




#19
Methyl tert-butyl Ether
Concen: 51.442 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 73 Resp: 33881

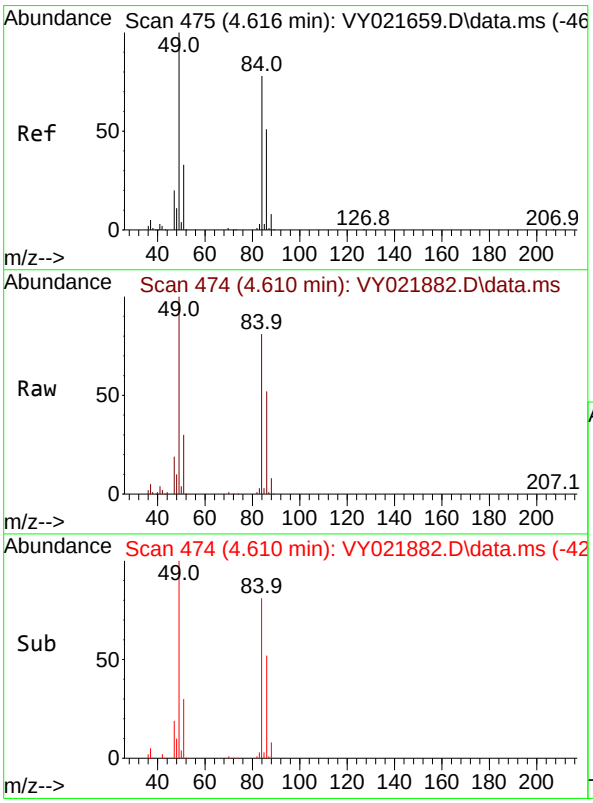
Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

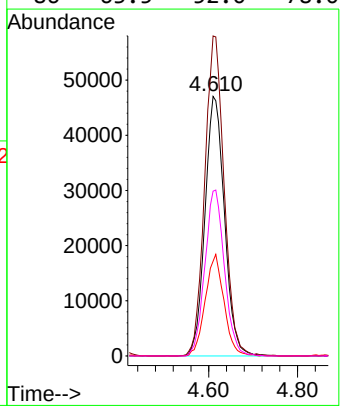
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

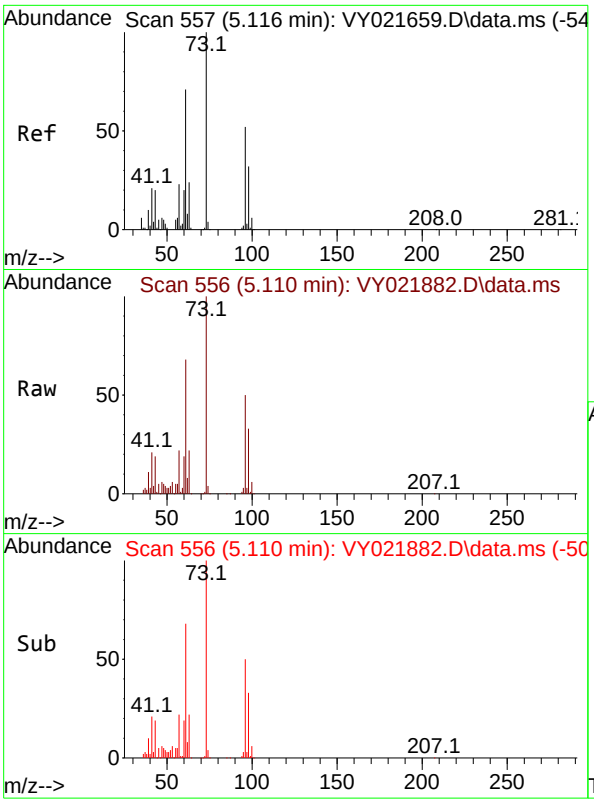


#20
Methylene Chloride
Concen: 52.748 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 84 Resp: 143772

Ion	Ratio	Lower	Upper
84	100		
49	123.3	102.8	154.2
51	36.5	33.5	50.3
86	63.5	52.0	78.0

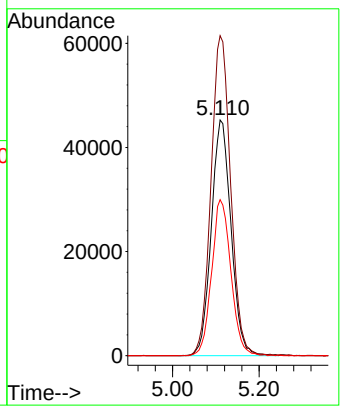




#21
trans-1,2-Dichloroethene
Concen: 49.233 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 96 Resp: 14340

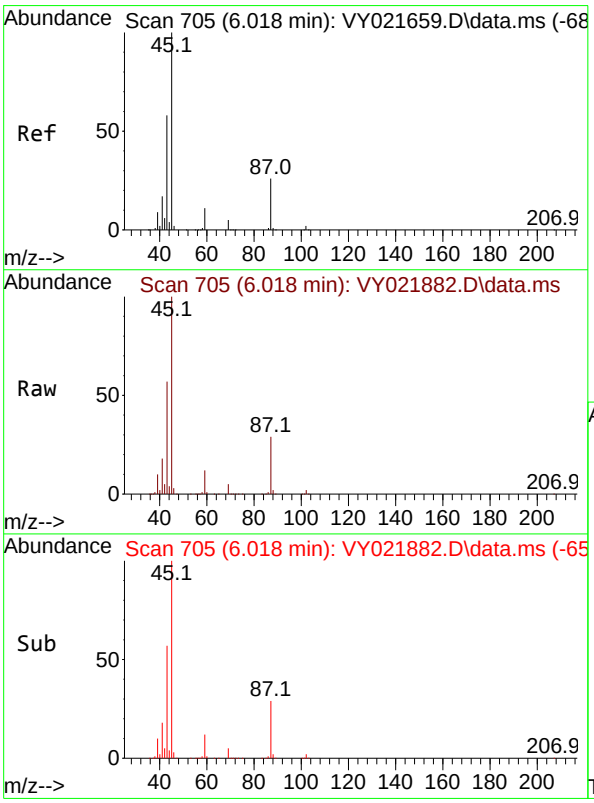
Ion	Ratio	Lower	Upper
96	100		
61	135.8	109.4	164.0
98	66.2	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

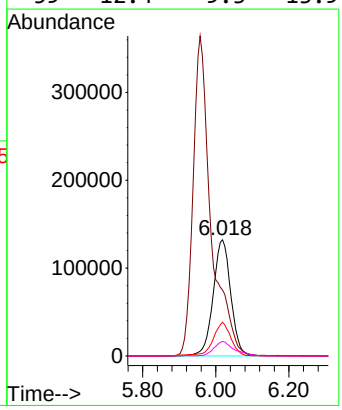
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

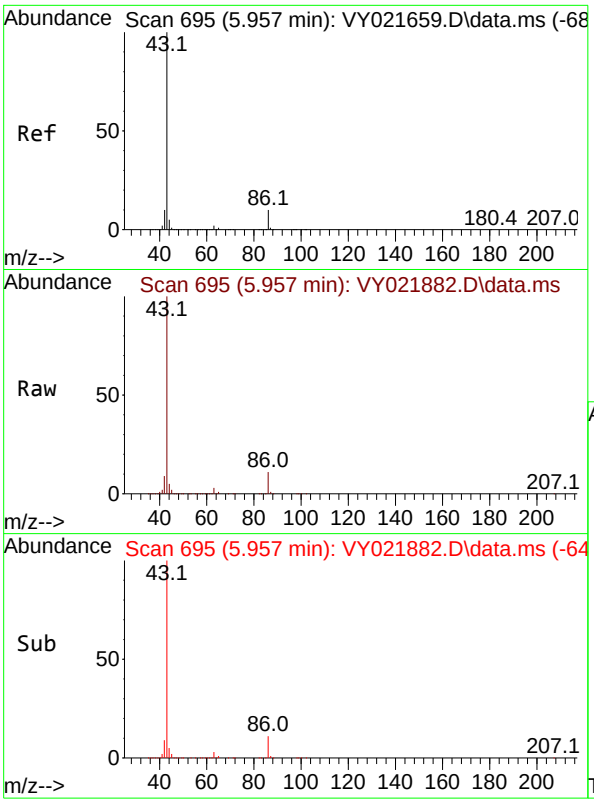


#22
Diisopropyl ether
Concen: 50.071 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 45 Resp: 443040

Ion	Ratio	Lower	Upper
45	100		
43	56.2	46.6	69.8
87	29.0	20.7	31.1
59	12.4	9.3	13.9

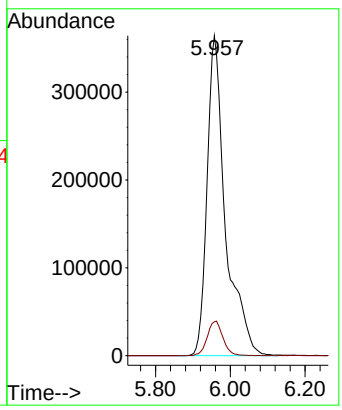




#23
Vinyl Acetate
Concen: 240.393 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 43 Resp: 124432

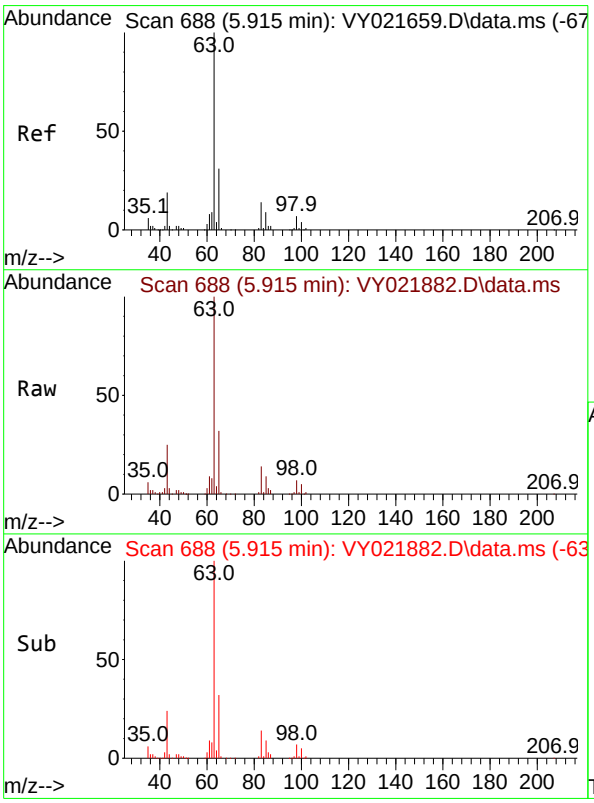
Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

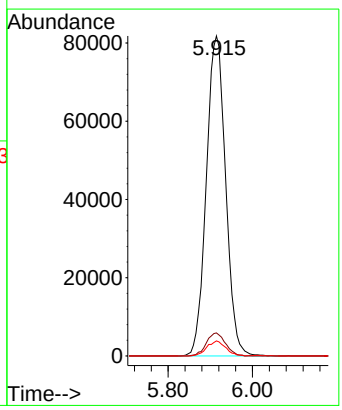
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

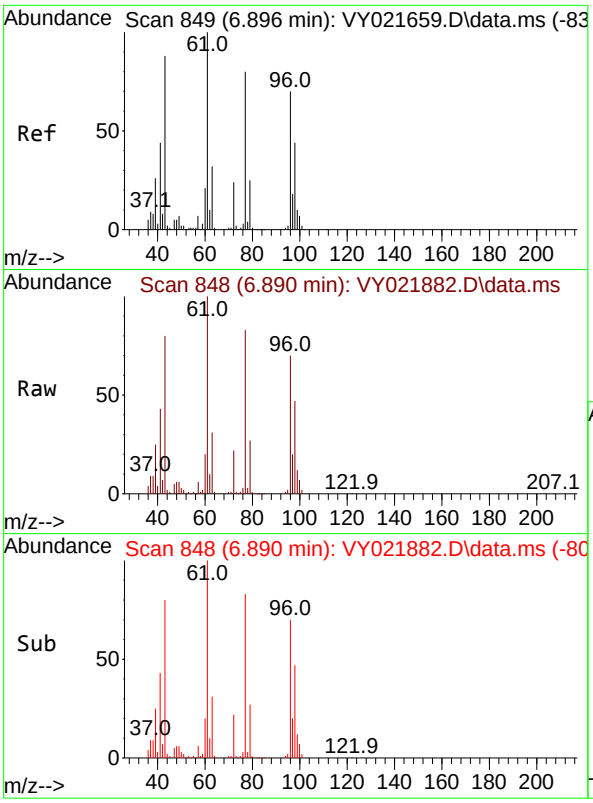


#24
1,1-Dichloroethane
Concen: 49.237 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 63 Resp: 260502

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	4.7	2.2	6.6





#25
2-Butanone
Concen: 243.373 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

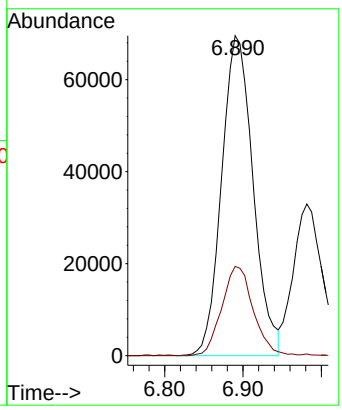
Tgt Ion: 43 Resp: 19440

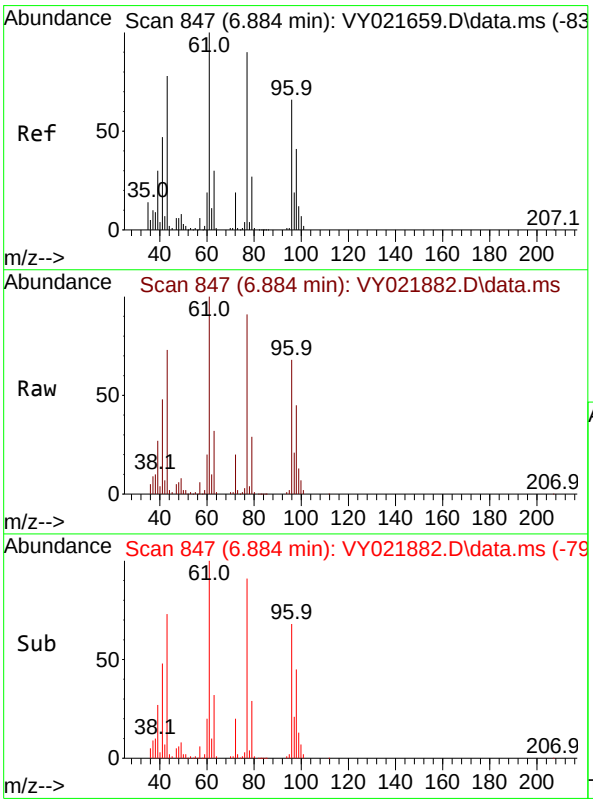
Ion	Ratio	Lower	Upper
43	100		
72	27.9	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

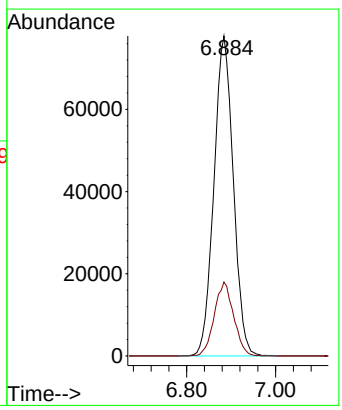


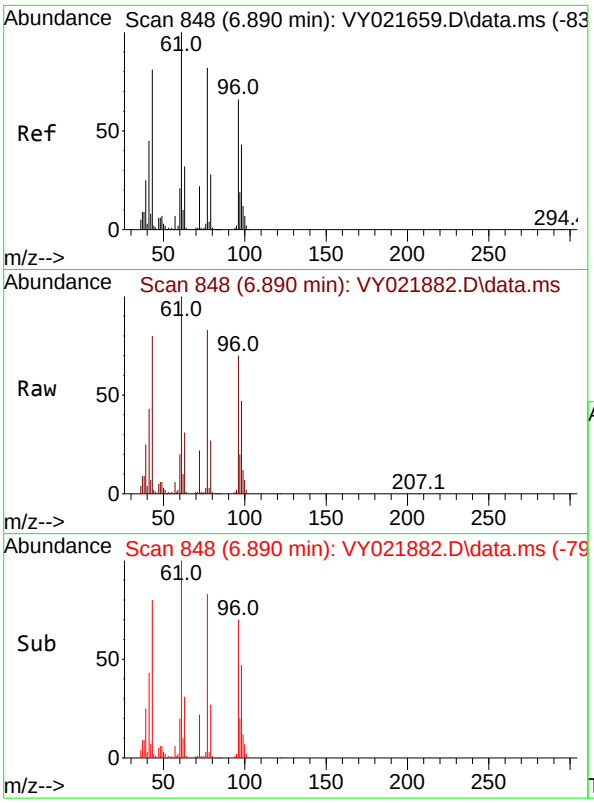


#26
2,2-Dichloropropane
Concen: 49.972 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 77 Resp: 235182

Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 50.990 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

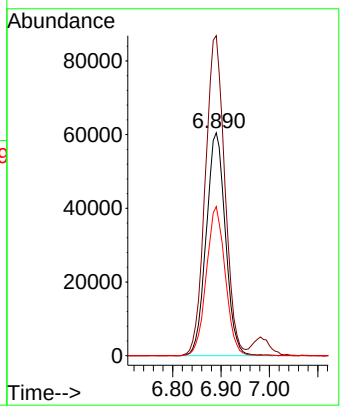
Tgt Ion: 96 Resp: 16702

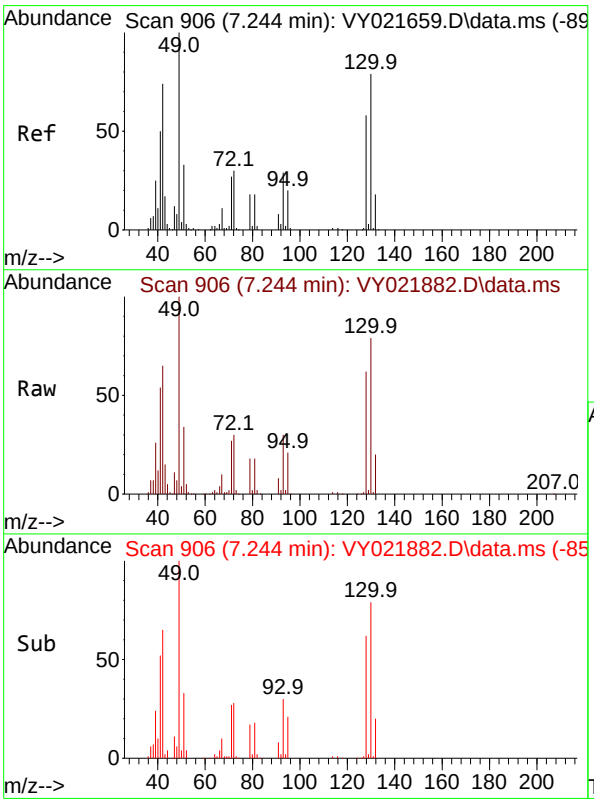
Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	296.4
98	65.8	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

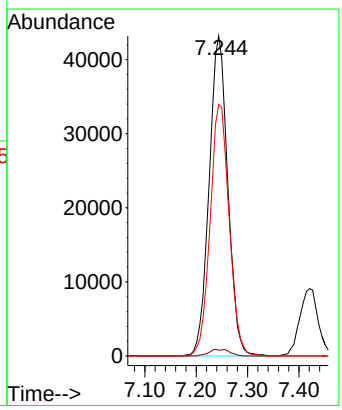


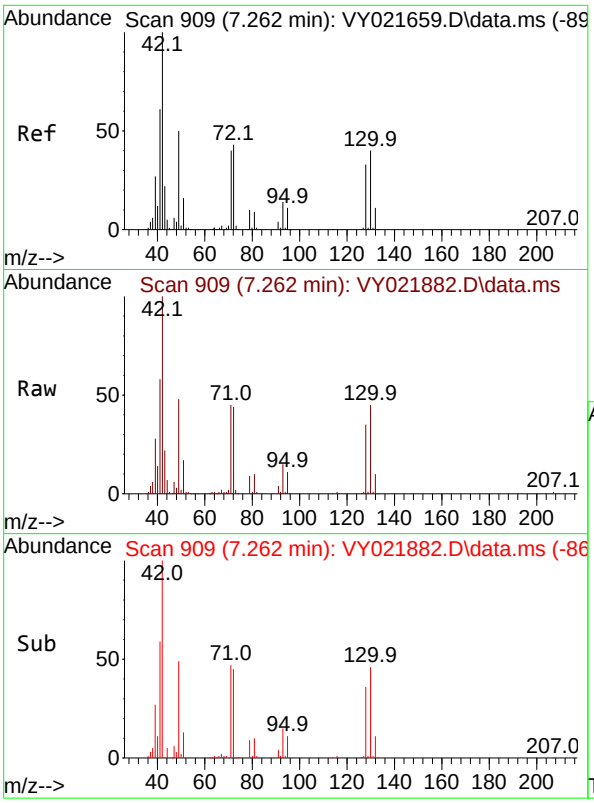


#28
Bromochloromethane
Concen: 48.864 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 49 Resp: 109032

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	79.9	60.1	90.1

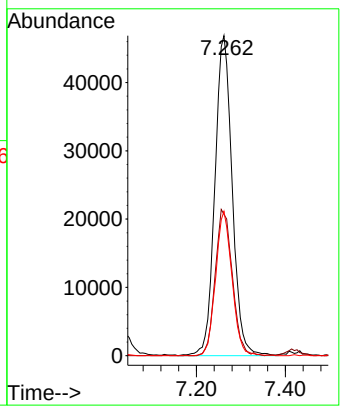




#29
Tetrahydrofuran
Concen: 246.311 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 42 Resp: 12662

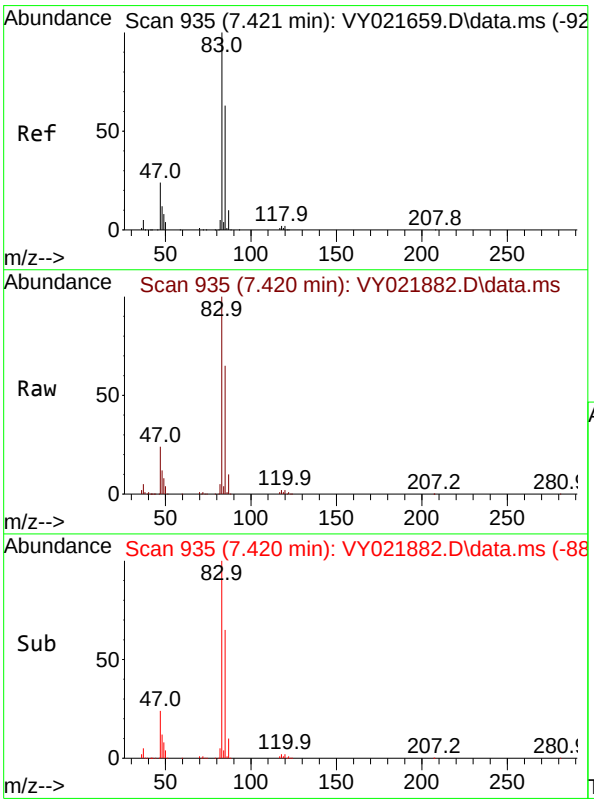
Ion	Ratio	Lower	Upper
42	100		
72	45.3	34.6	52.0
71	42.7	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

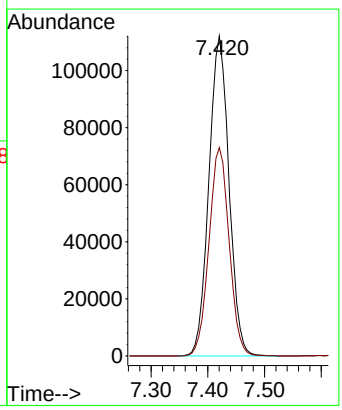
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

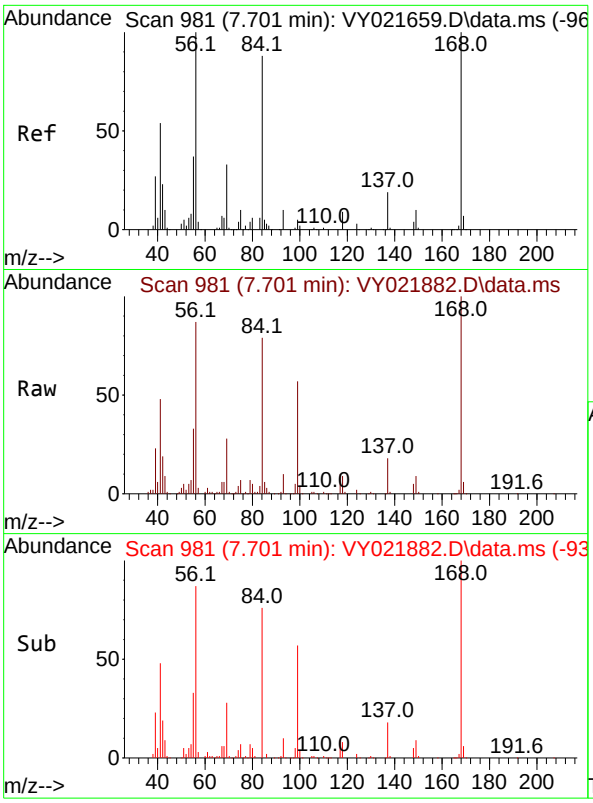


#30
Chloroform
Concen: 50.107 ug/l
RT: 7.420 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 83 Resp: 275737

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	75.8





#31
Cyclohexane
Concen: 44.657 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

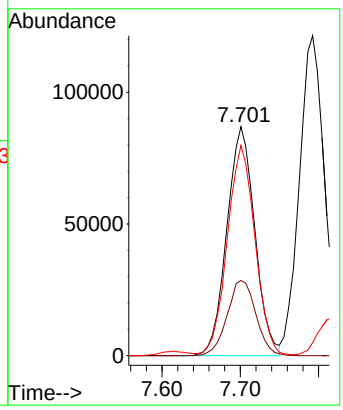
Tgt Ion: 56 Resp: 21538

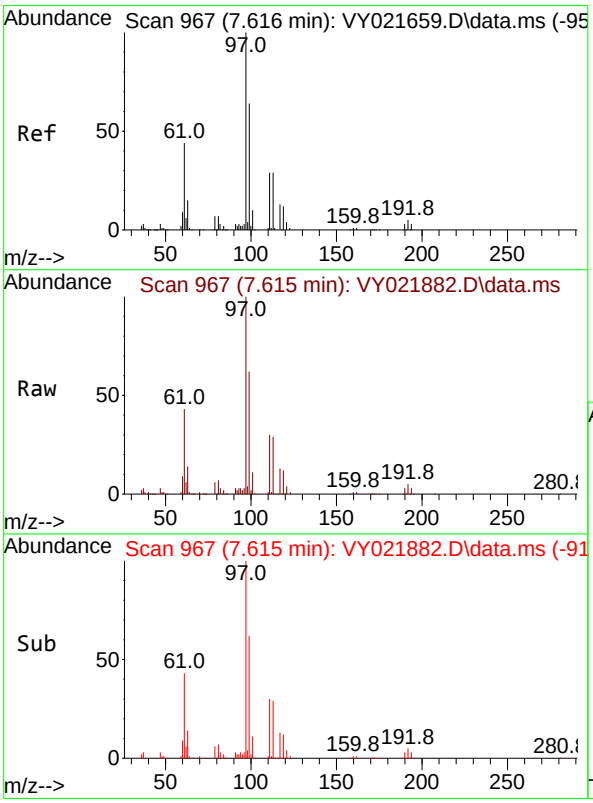
Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.6	40.0
84	90.3	69.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

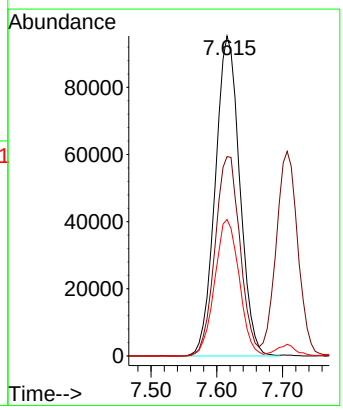


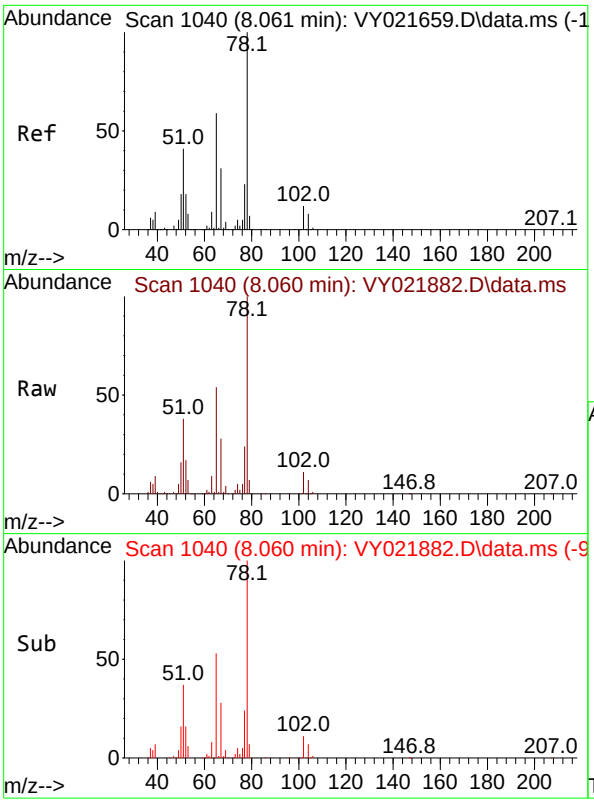


#32
1,1,1-Trichloroethane
Concen: 49.549 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 97 Resp: 246437

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.7	76.1
61	42.8	35.2	52.8

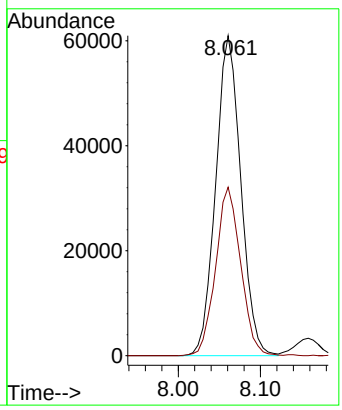




#33
1,2-Dichloroethane-d4
Concen: 47.420 ug/l
RT: 8.060 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 65 Resp: 12958

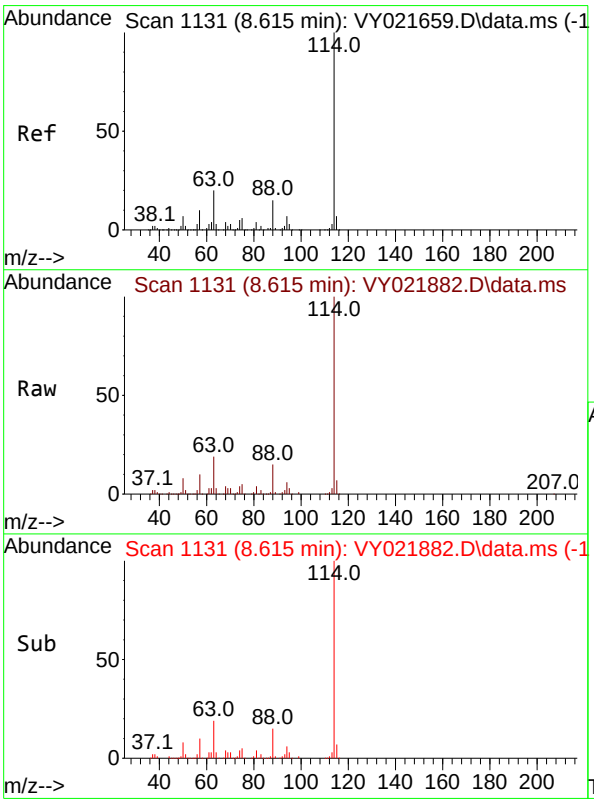
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

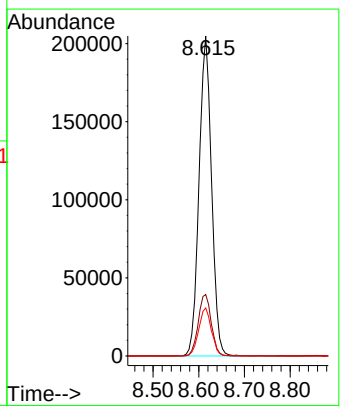
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

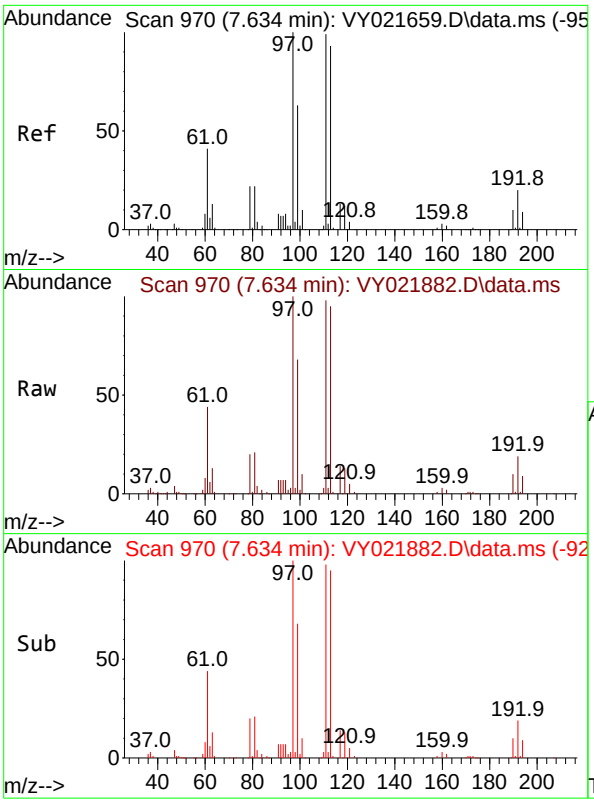


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:114 Resp: 387709

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	40.2
88	15.0	0.0	29.8

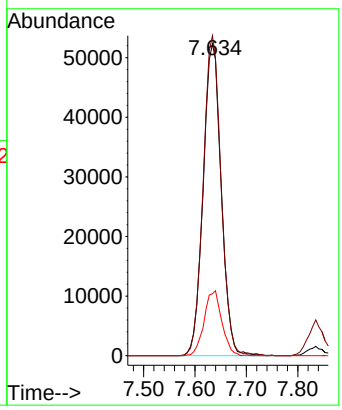




#35
Dibromofluoromethane
Concen: 50.677 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:113 Resp: 12745

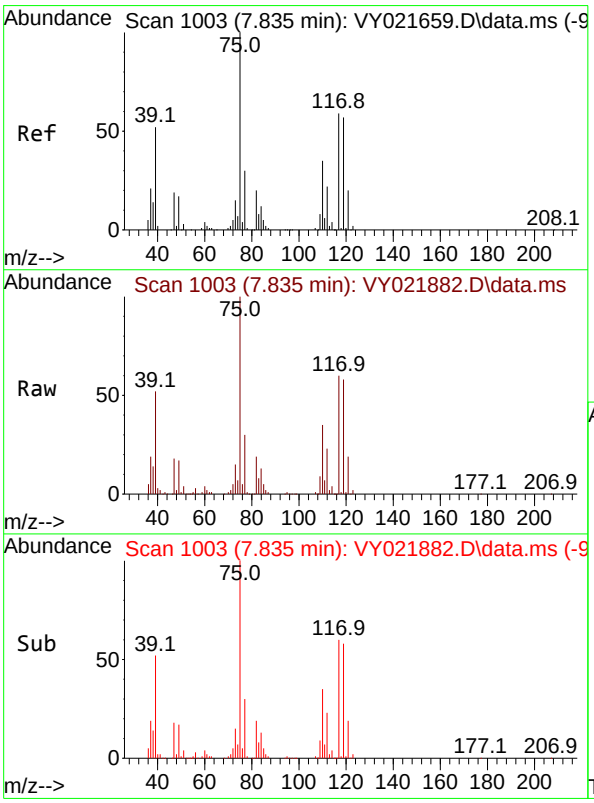
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.6	123.8
192	20.5	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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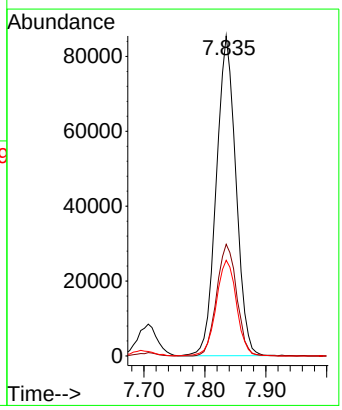
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

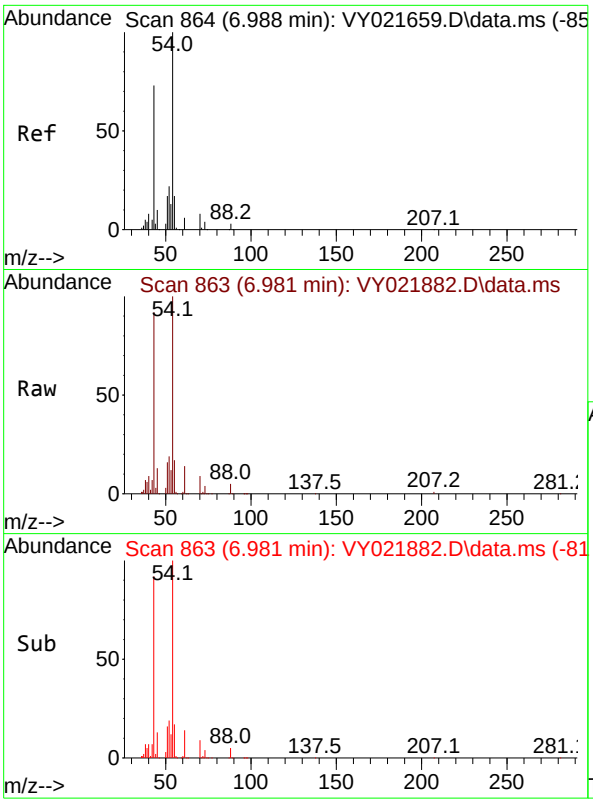


#36
1,1-Dichloropropene
Concen: 49.783 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 75 Resp: 190706

Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.0	50.9
77	31.1	24.8	37.2

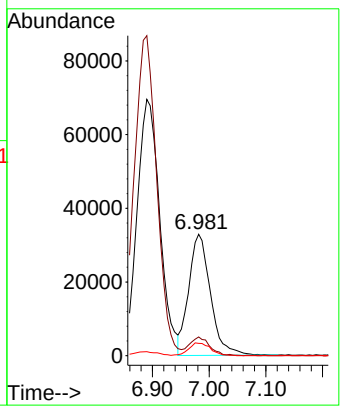




#37
Ethyl Acetate
Concen: 48.452 ug/l
RT: 6.981 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 43 Resp: 8759

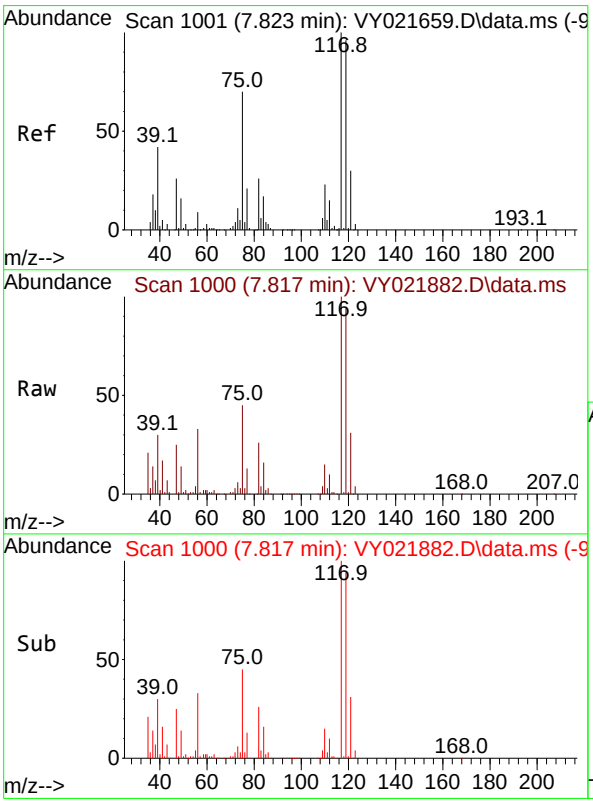
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.6
70	10.6	8.1	12.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

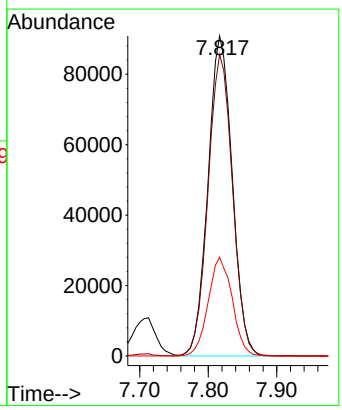
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

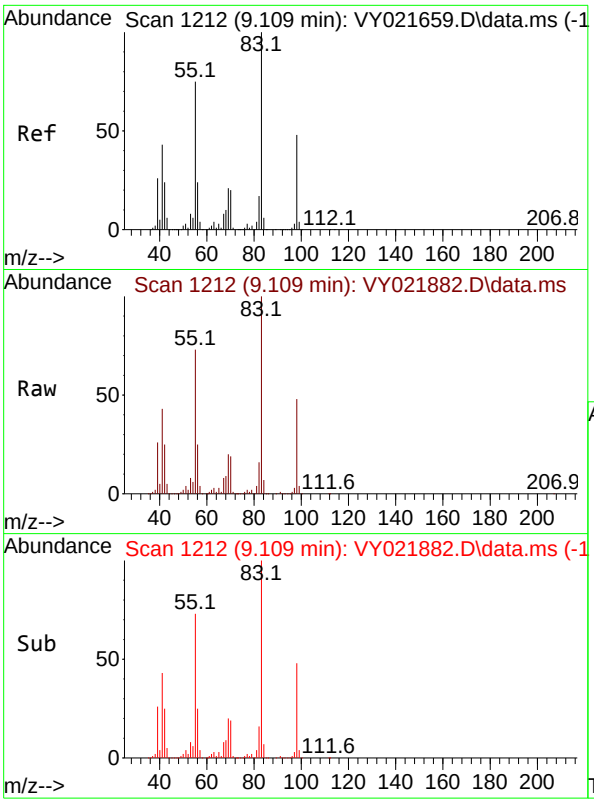


#38
Carbon Tetrachloride
Concen: 50.872 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:117 Resp: 223203

Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.2	114.4
121	30.9	24.2	36.4





#39
Methylcyclohexane
Concen: 50.240 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

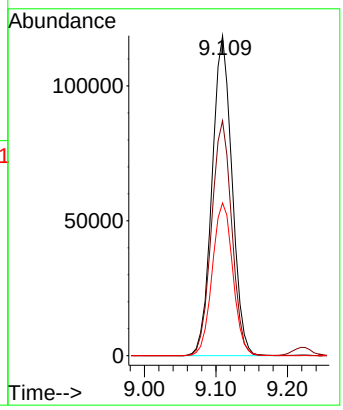
Tgt Ion: 83 Resp: 22991

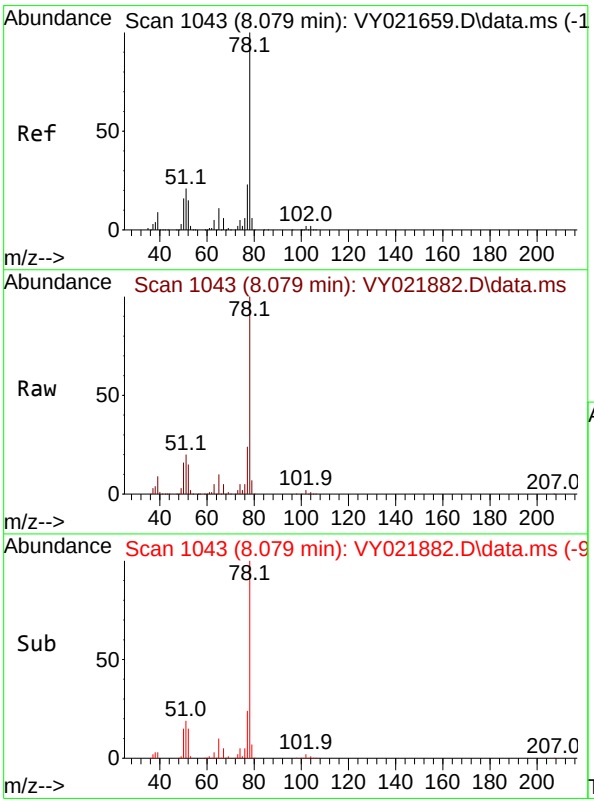
Ion	Ratio	Lower	Upper
83	100		
55	73.4	59.7	89.5
98	47.7	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

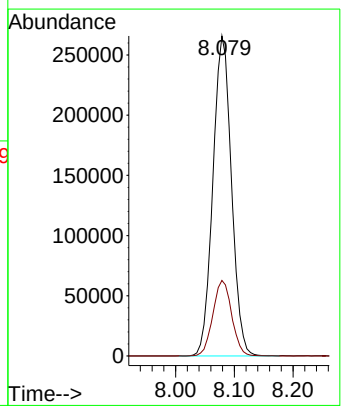


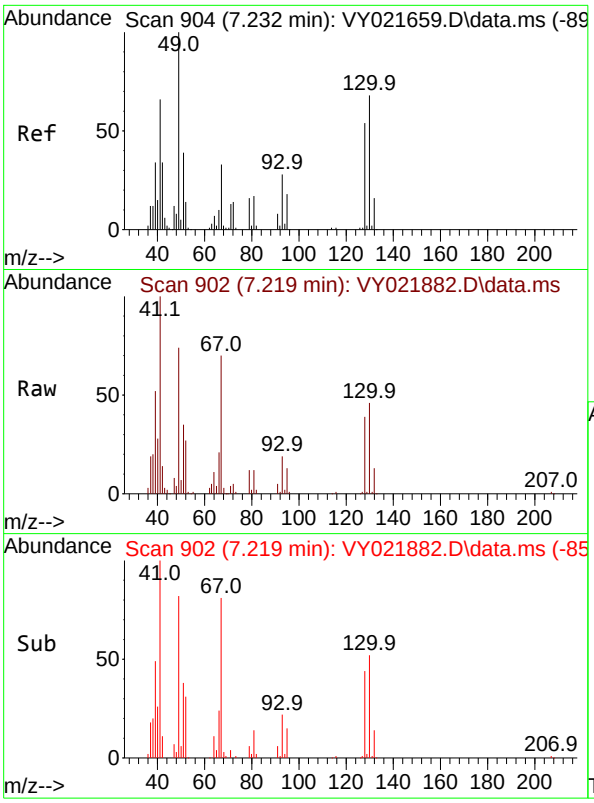


#40
Benzene
Concen: 50.810 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 78 Resp: 582905

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2

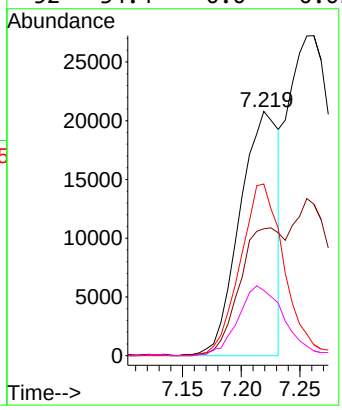




#41
Methacrylonitrile
Concen: 49.538 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

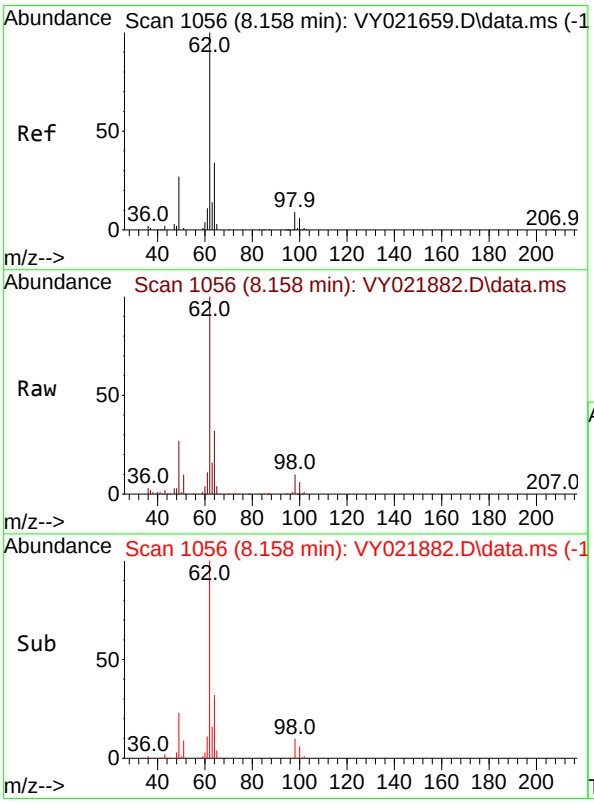
Tgt Ion: 41 Resp: 4756

Ion	Ratio	Lower	Upper
41	100		
39	60.8	0.0	0.0#
67	80.4	0.0	0.0#
52	34.4	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

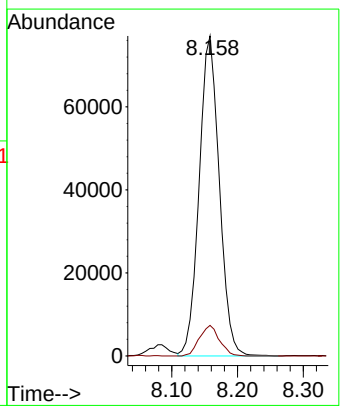
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

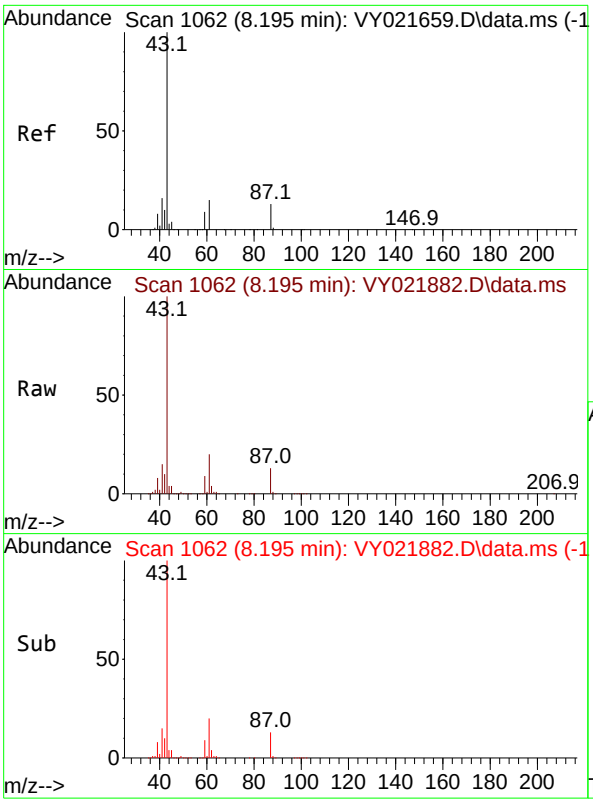


#42
1,2-Dichloroethane
Concen: 50.851 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 62 Resp: 164460

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





#43
Isopropyl Acetate
Concen: 50.671 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

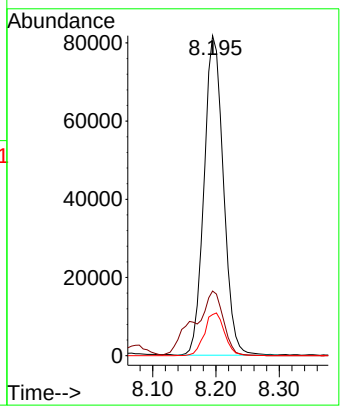
Tgt Ion: 43 Resp: 17360

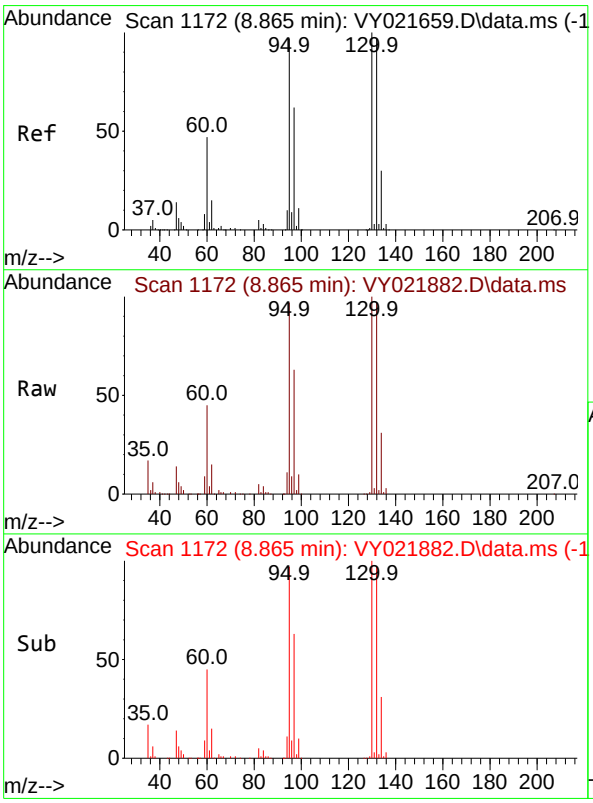
Ion	Ratio	Lower	Upper
43	100		
61	30.6	15.9	23.9
87	13.9	10.4	15.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

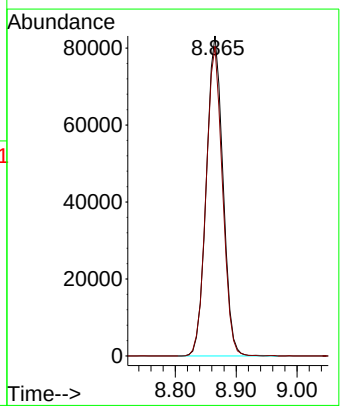


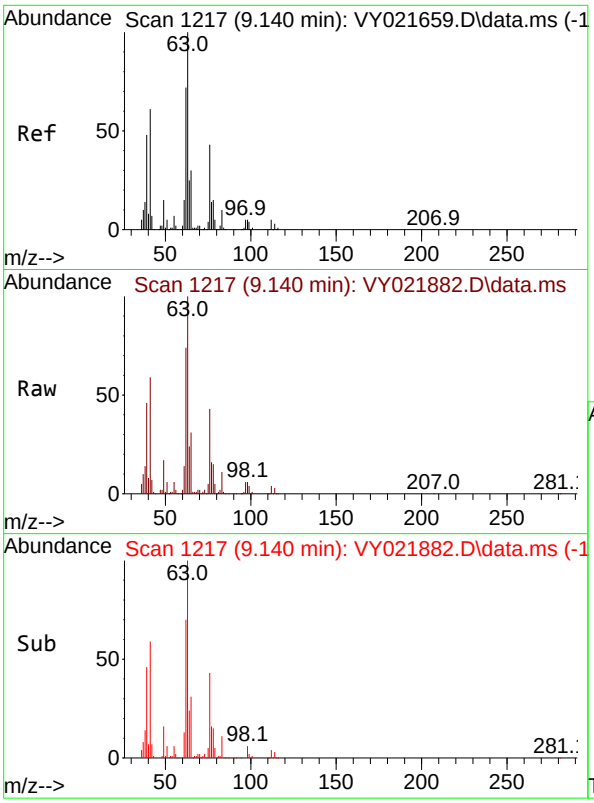


#44
Trichloroethene
Concen: 53.820 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:130 Resp: 157315

Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	194.8

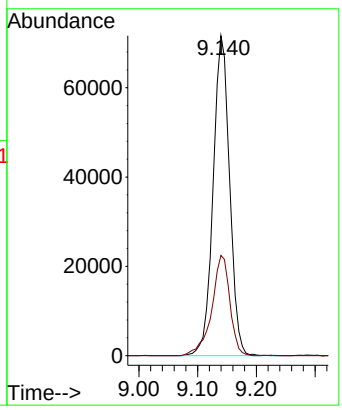




#45
1,2-Dichloropropane
Concen: 51.373 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 63 Resp: 13950

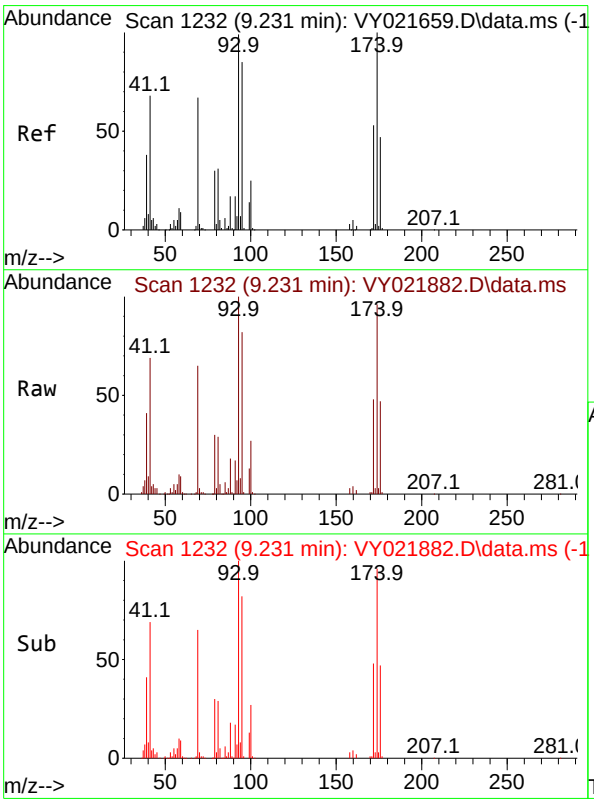
Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

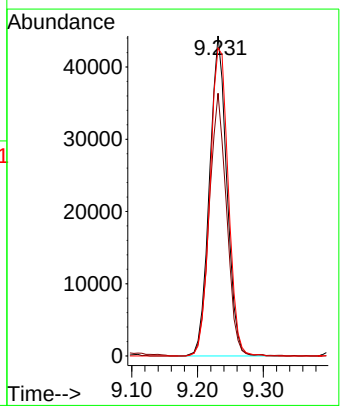
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

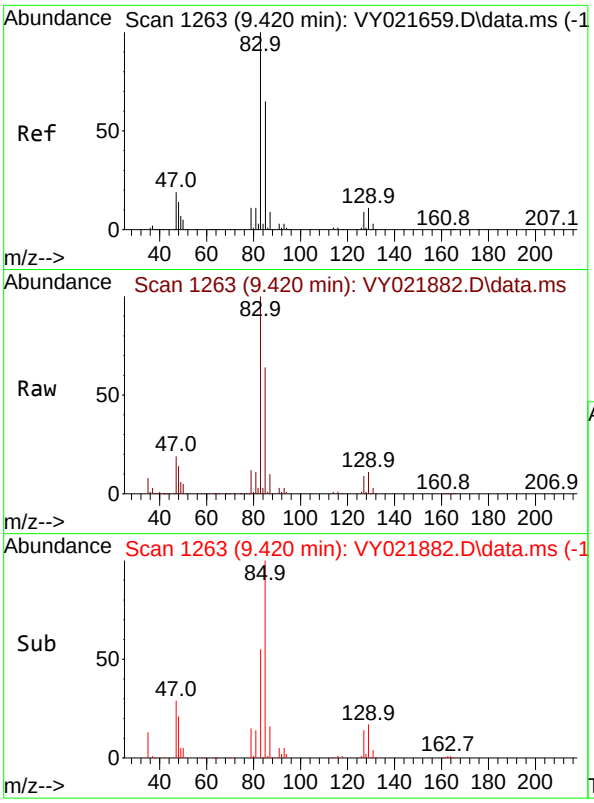


#46
Dibromomethane
Concen: 51.935 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 93 Resp: 81279

Ion	Ratio	Lower	Upper
93	100		
95	81.8	68.1	102.1
174	101.6	80.9	121.3

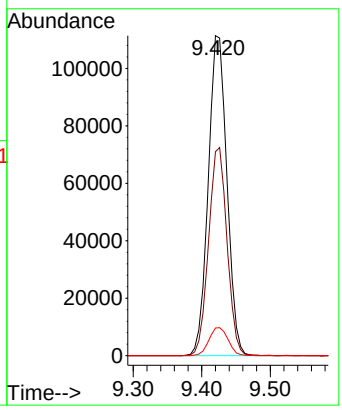




#47
Bromodichloromethane
Concen: 52.093 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 83 Resp: 21124

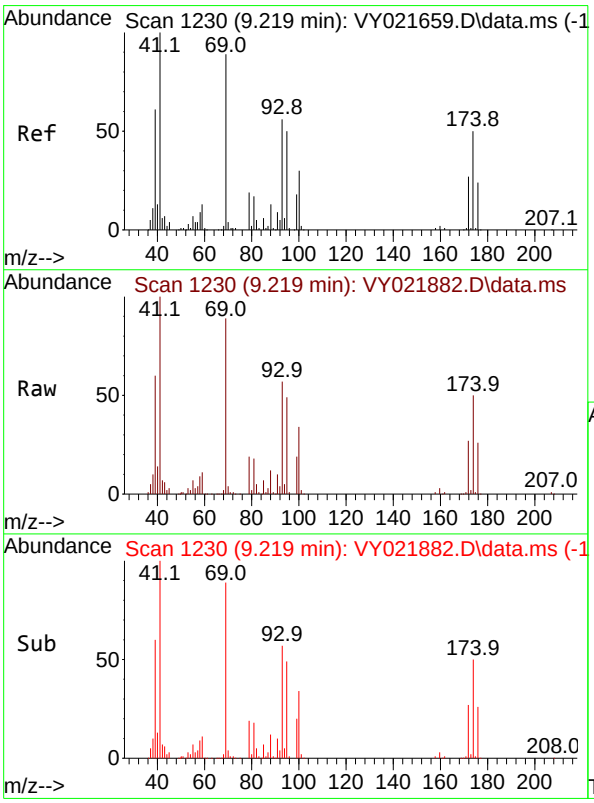
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	8.6	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

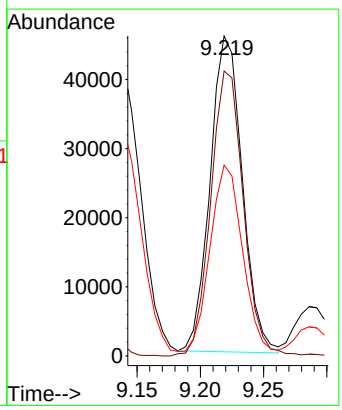
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

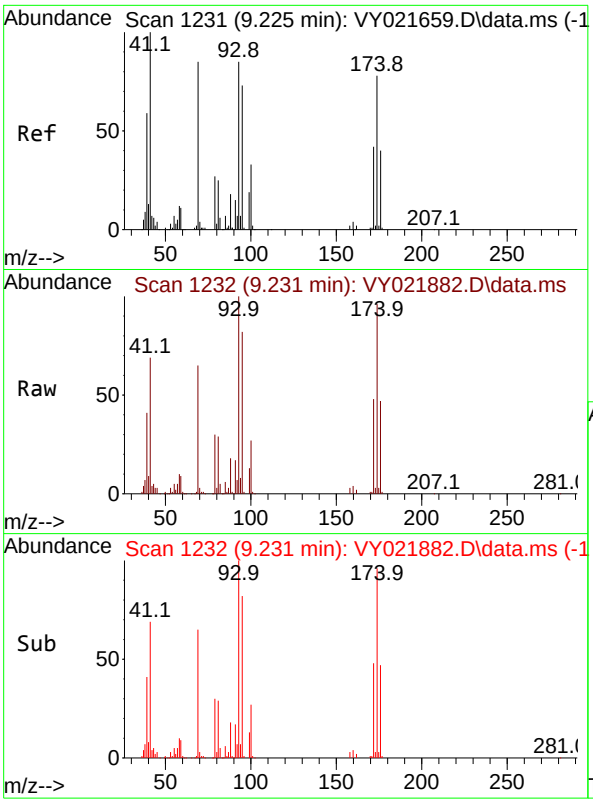


#48
Methyl methacrylate
Concen: 51.433 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 41 Resp: 80874

Ion	Ratio	Lower	Upper
41	100		
69	91.6	69.8	104.8
39	59.3	47.2	70.8





#49
1,4-Dioxane
Concen: 1096.546 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

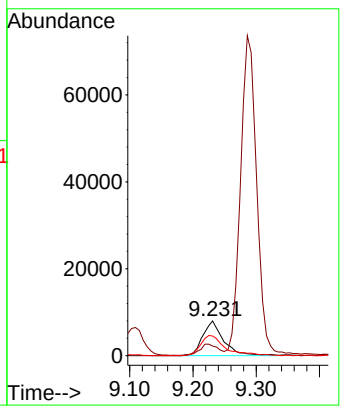
Tgt Ion: 88 Resp: 1838

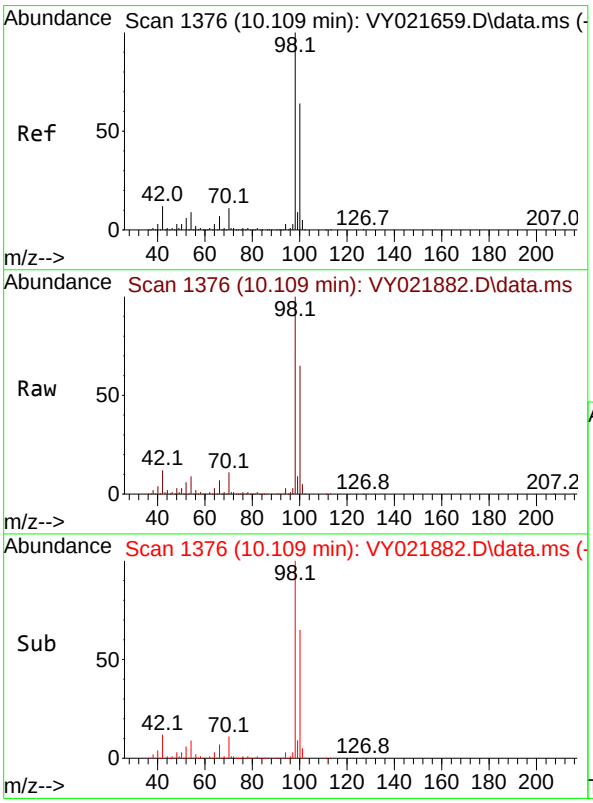
Ion	Ratio	Lower	Upper
88	100		
43	28.3	28.8	43.2
58	68.3	59.4	89.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

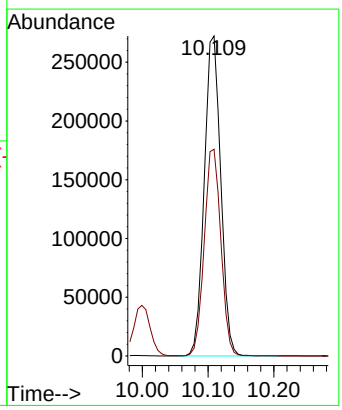


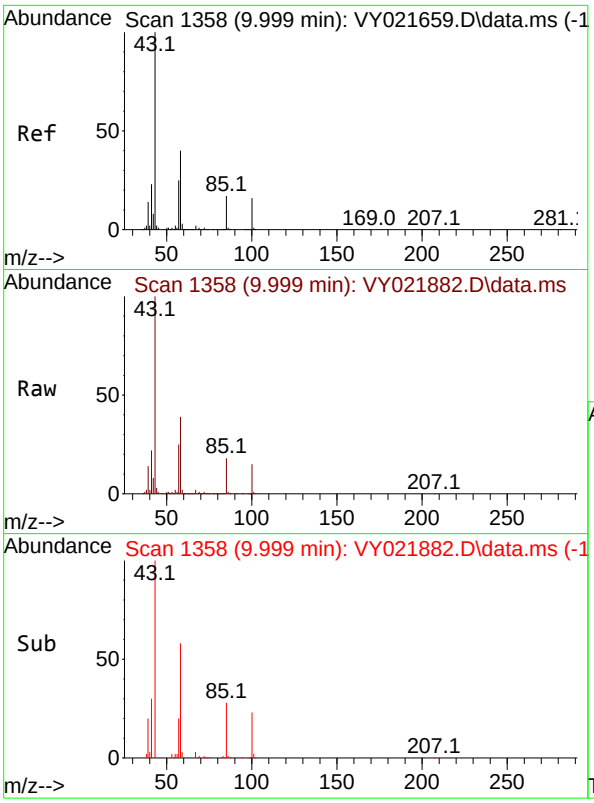


#50
Toluene-d8
Concen: 49.637 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 98 Resp: 474914

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1

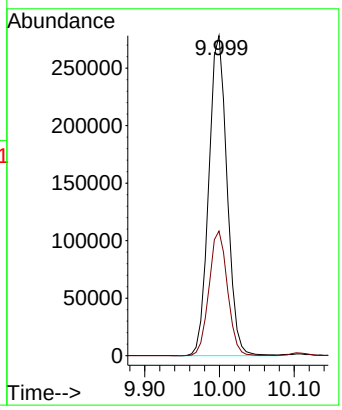




#51
4-Methyl-2-Pentanone
Concen: 265.393 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 43 Resp: 47317

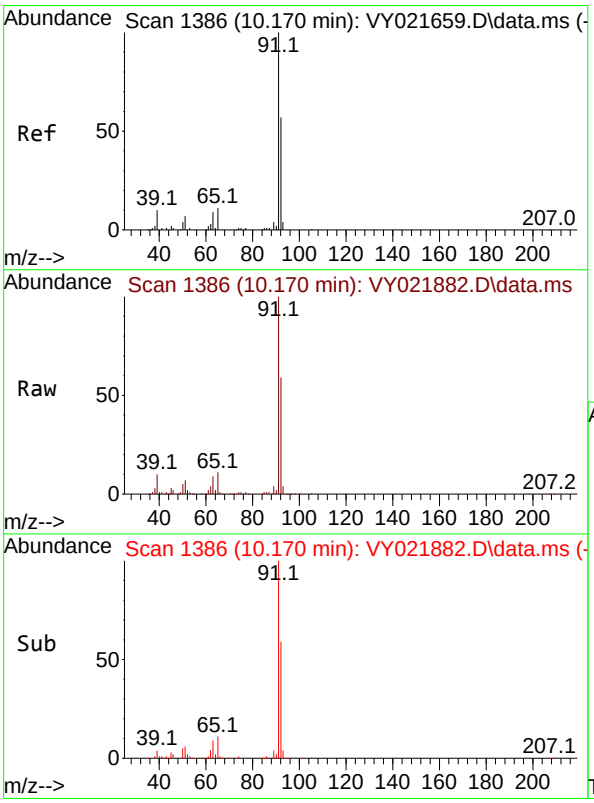
Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

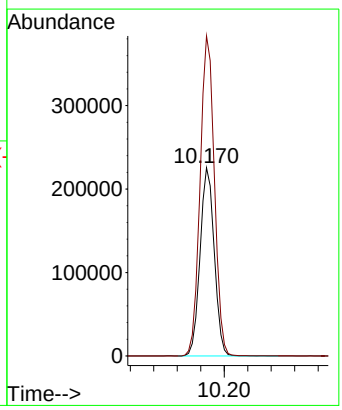
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

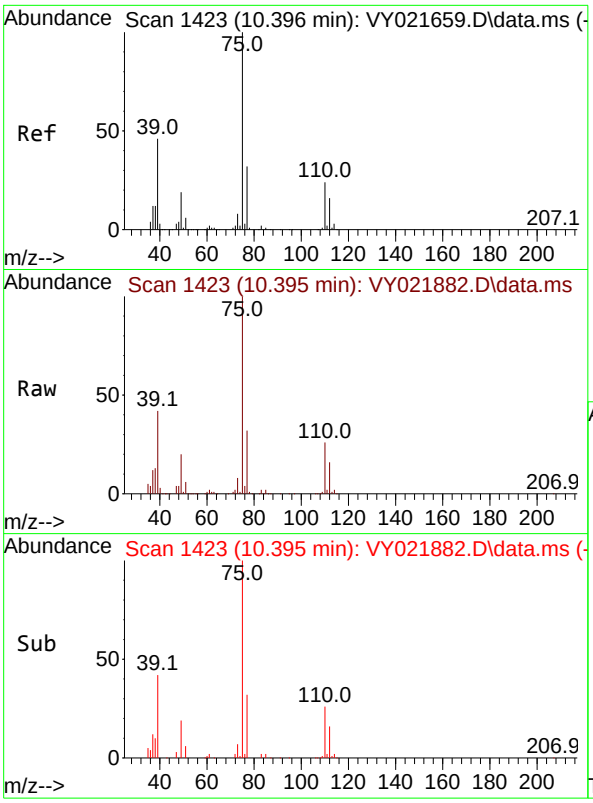


#52
Toluene
Concen: 52.796 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 92 Resp: 377894

Ion	Ratio	Lower	Upper
92	100		
91	171.8	138.6	207.8

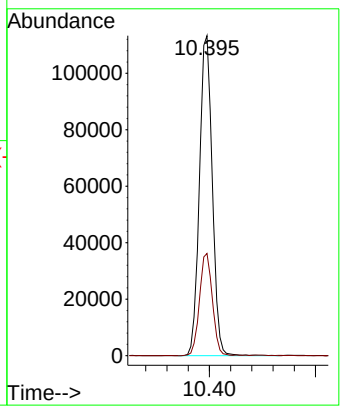




#53
t-1,3-Dichloropropene
Concen: 52.901 ug/l
RT: 10.395 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 75 Resp: 19054

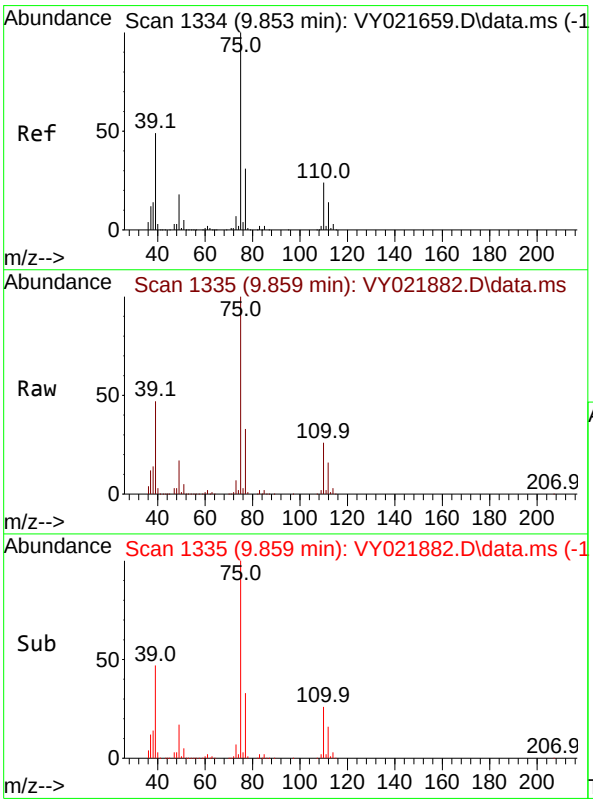
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

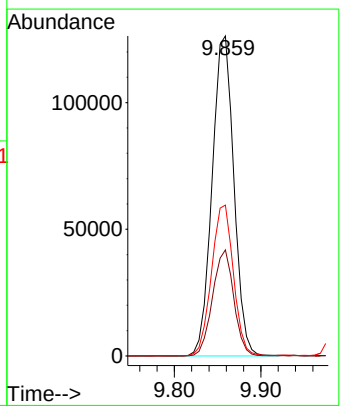
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

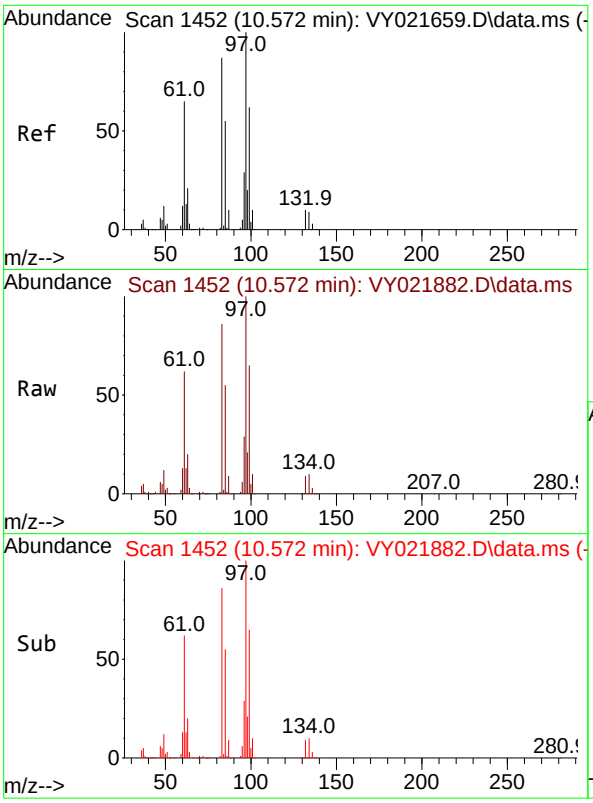


#54
cis-1,3-Dichloropropene
Concen: 51.856 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 75 Resp: 220353

Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.9	37.3
39	47.0	39.2	58.8

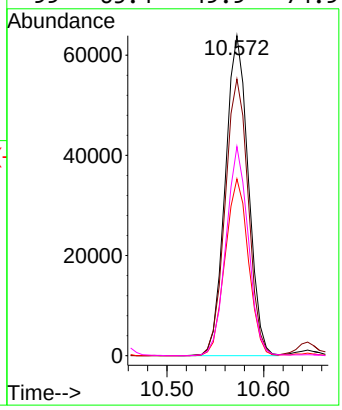




#55
1,1,2-Trichloroethane
Concen: 52.722 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 97 Resp: 10618

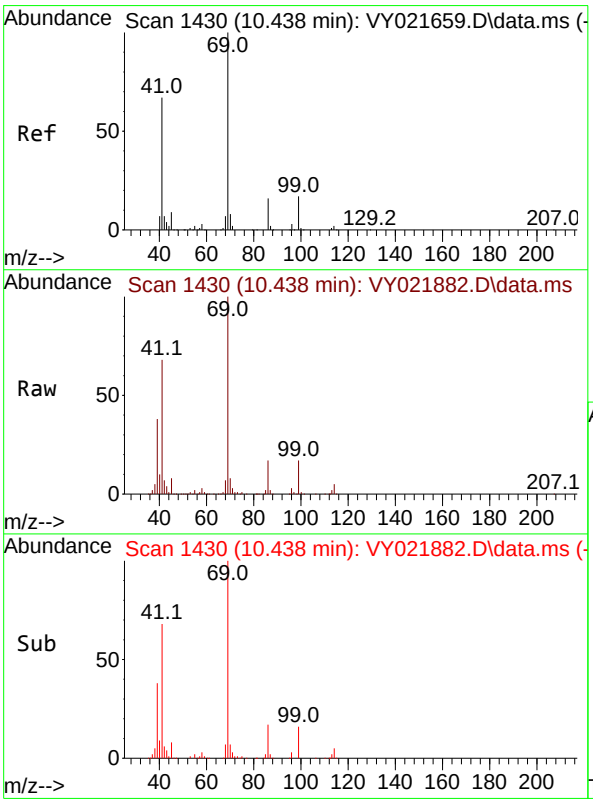
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.5	104.3
85	55.3	43.9	65.9
99	65.4	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

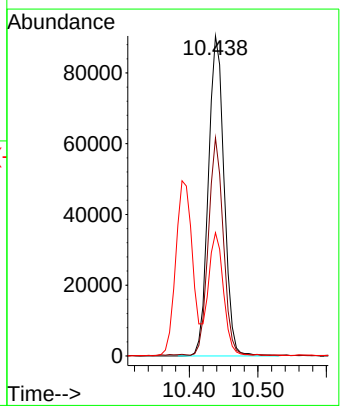
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

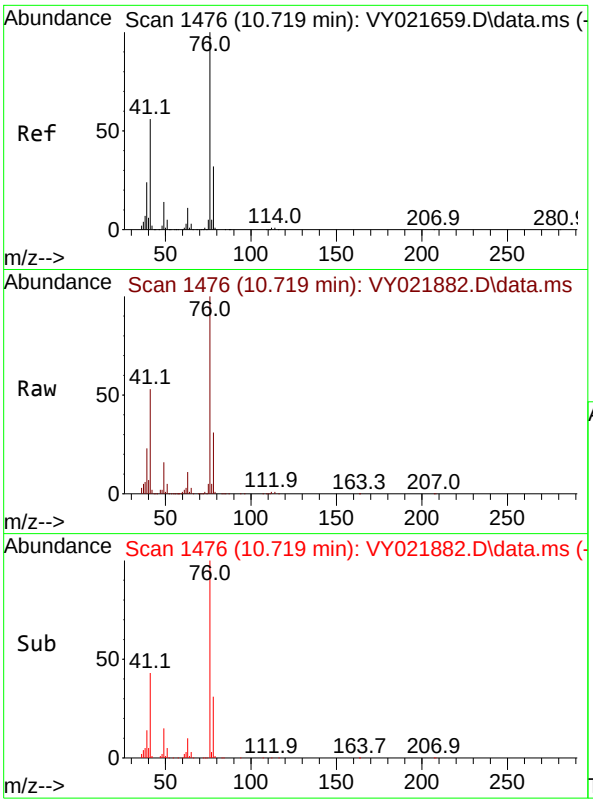


#56
Ethyl methacrylate
Concen: 56.137 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 69 Resp: 144364

Ion	Ratio	Lower	Upper
69	100		
41	64.4	53.8	80.6
39	37.5	29.6	44.4

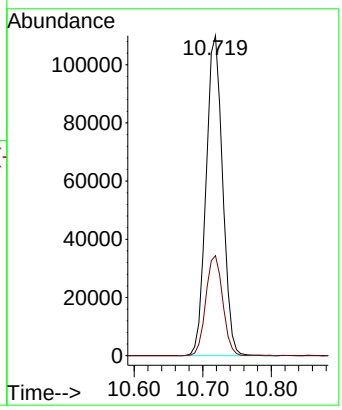




#57
1,3-Dichloropropane
Concen: 52.968 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 76 Resp: 18423

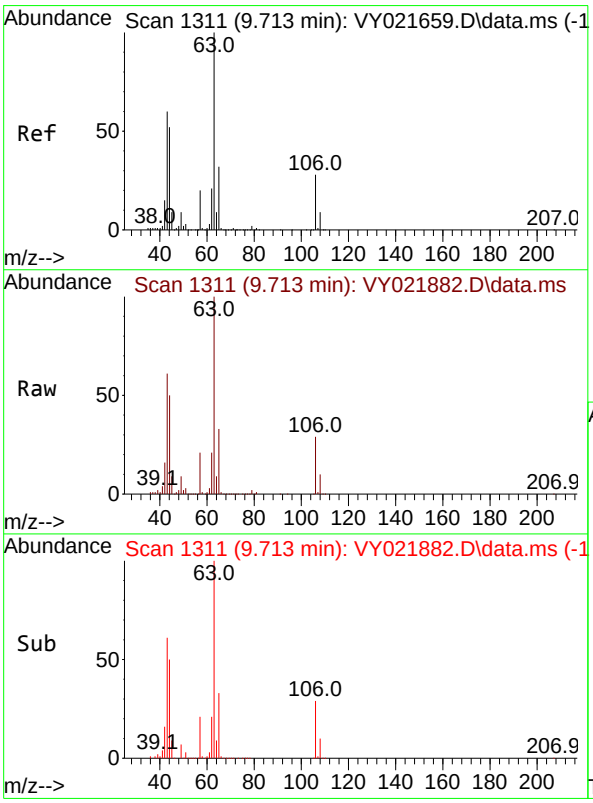
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

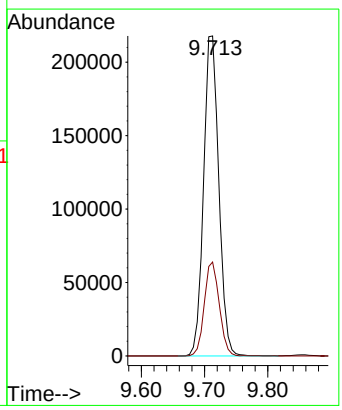
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

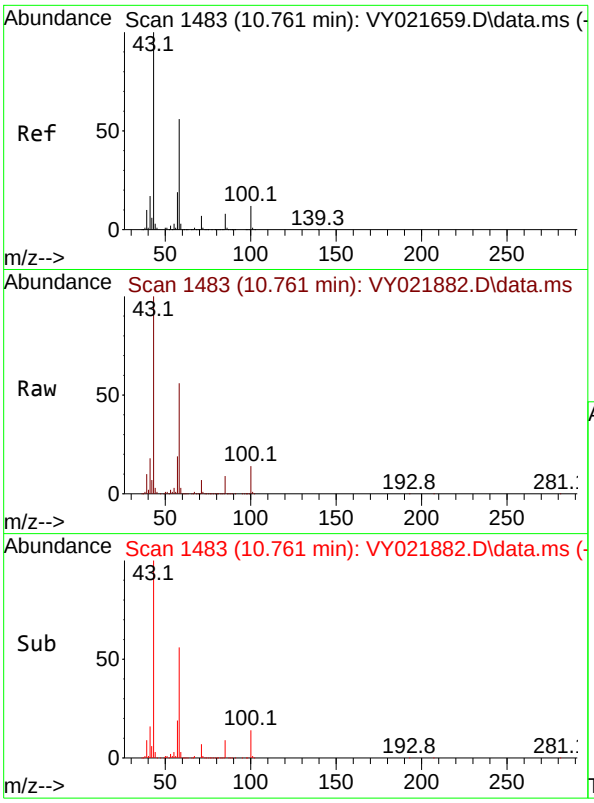


#58
2-Chloroethyl Vinyl ether
Concen: 290.953 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 63 Resp: 365010

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.4	33.6

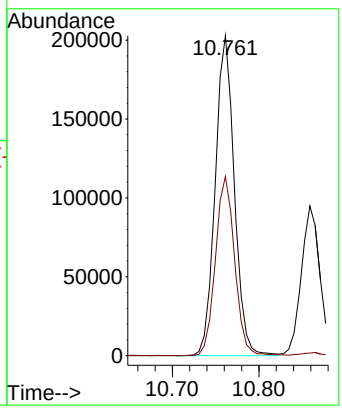




#59
2-Hexanone
Concen: 261.814 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 43 Resp: 31087

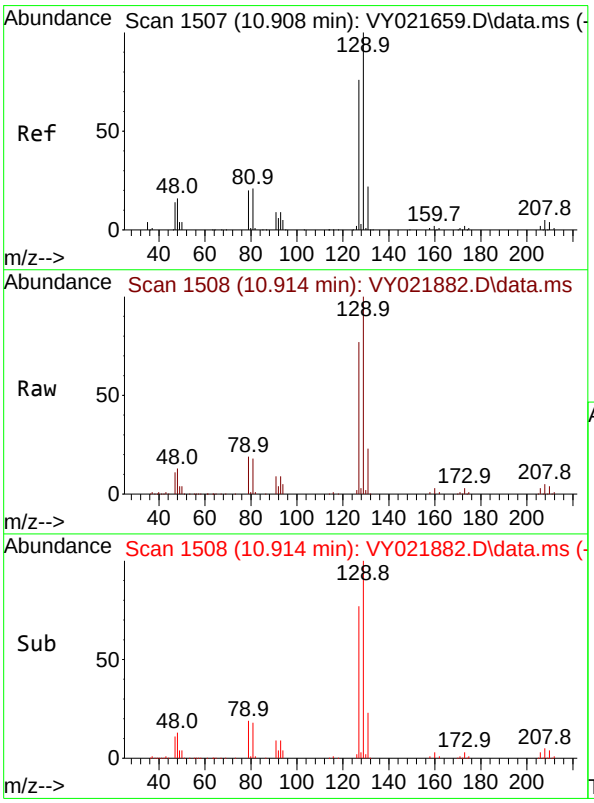
Ion	Ratio	Lower	Upper
43	100		
58	56.3	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

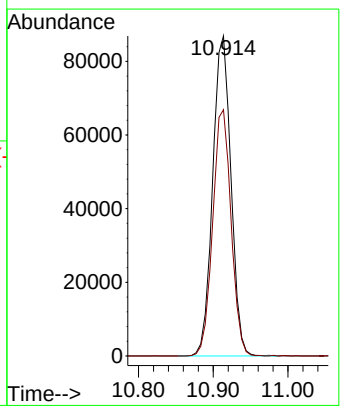
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

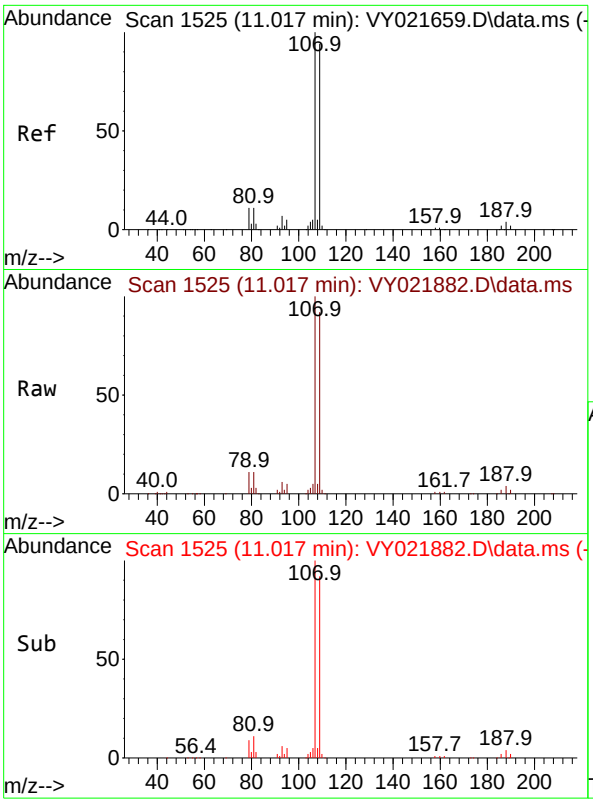


#60
Dibromochloromethane
Concen: 53.600 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:129 Resp: 147386

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.7

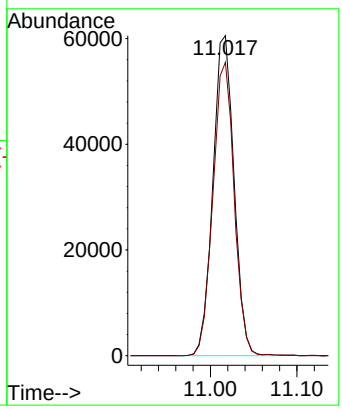




#61
1,2-Dibromoethane
Concen: 54.253 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:107 Resp: 10249

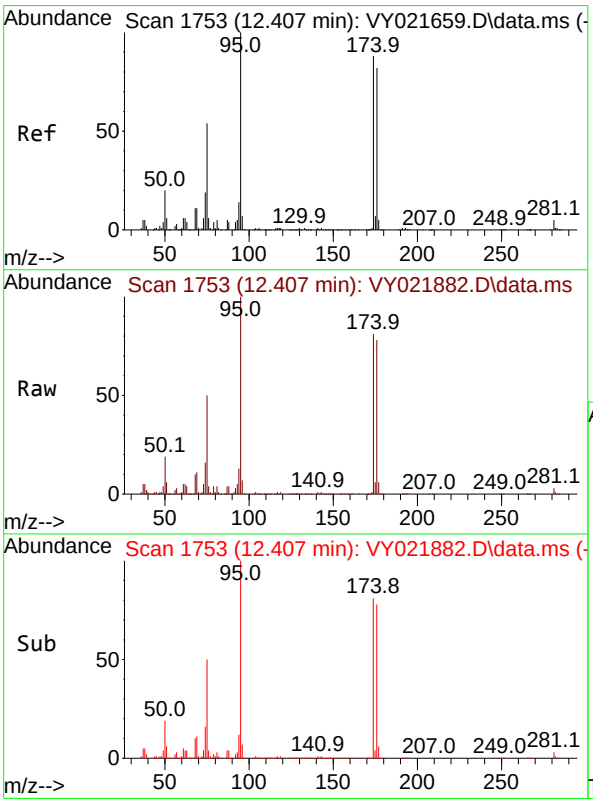
Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

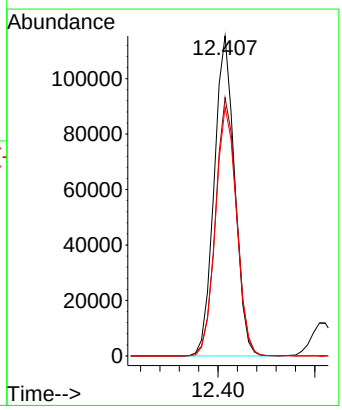
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

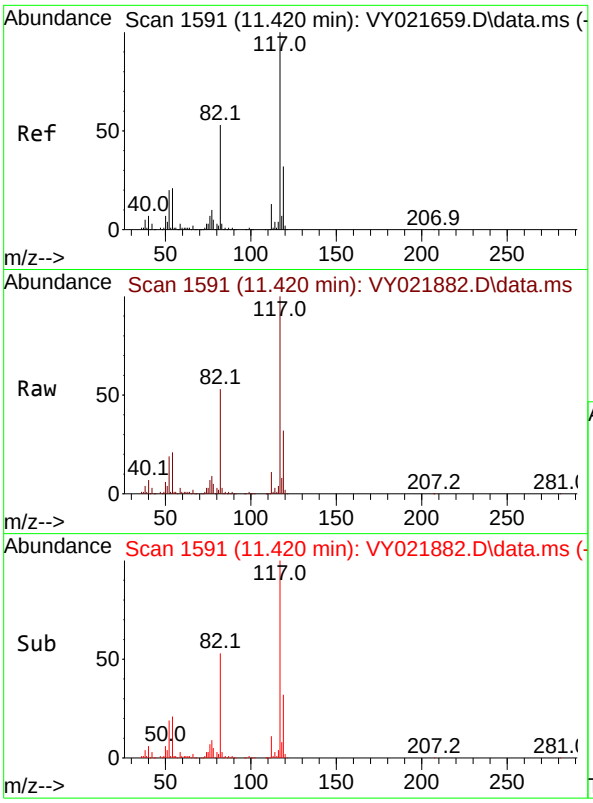


#62
4-Bromofluorobenzene
Concen: 52.375 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 95 Resp: 169500

Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	170.8
176	80.1	0.0	162.0

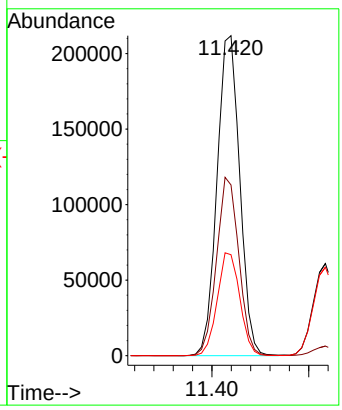




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:117 Resp: 34473

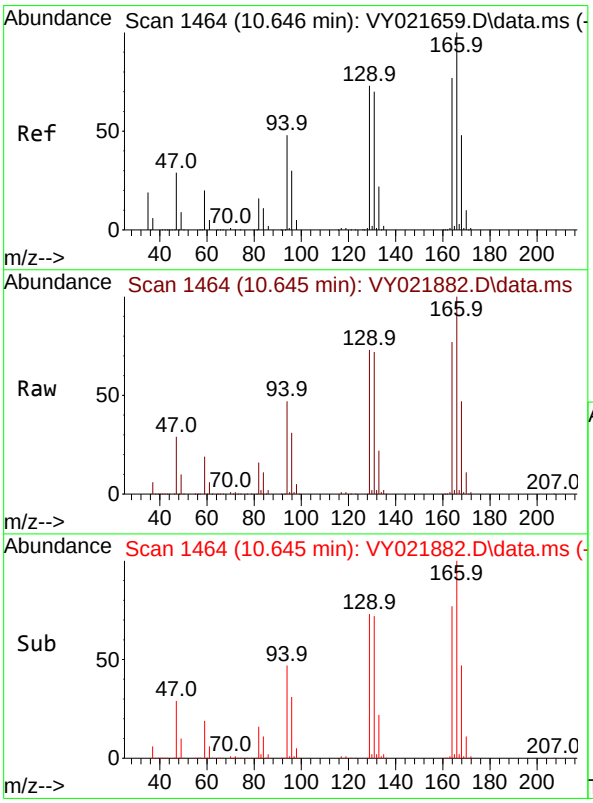
Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.8	64.2
119	31.6	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

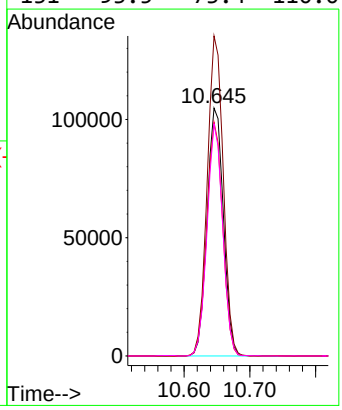
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

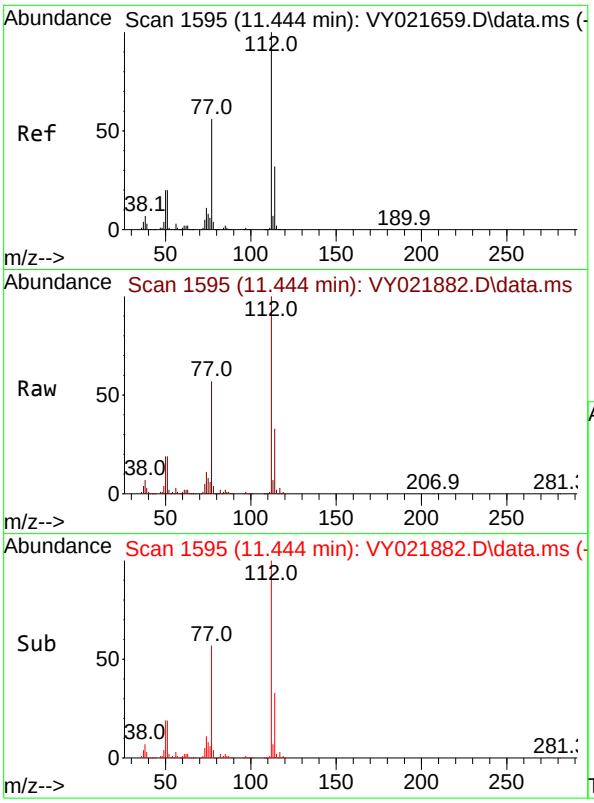


#64
Tetrachloroethene
Concen: 57.840 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:164 Resp: 181606

Ion	Ratio	Lower	Upper
164	100		
166	129.1	104.6	156.8
129	94.3	76.6	114.8
131	93.5	73.4	110.0

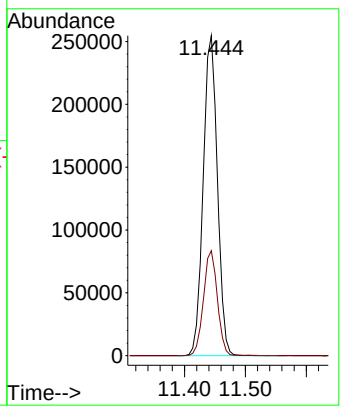




#65
Chlorobenzene
Concen: 52.119 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:112 Resp: 41187

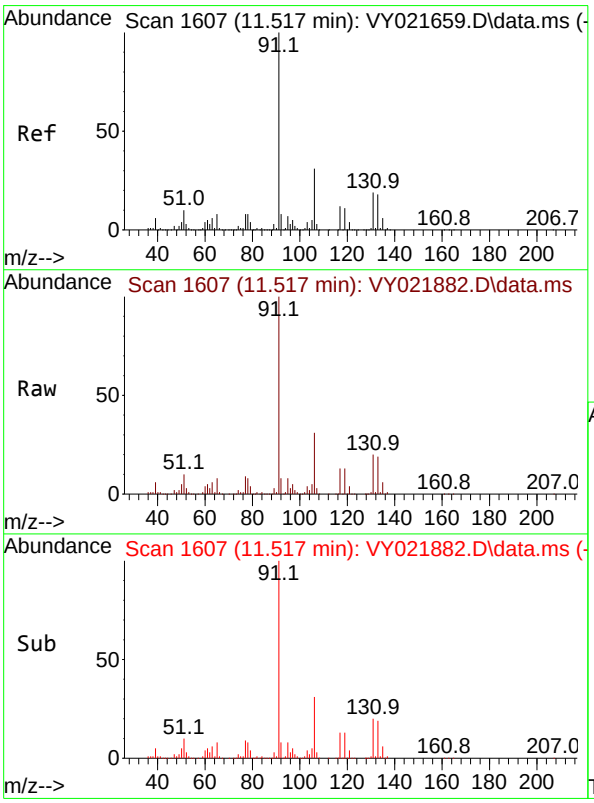
Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

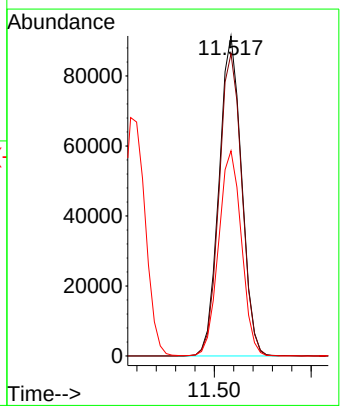
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

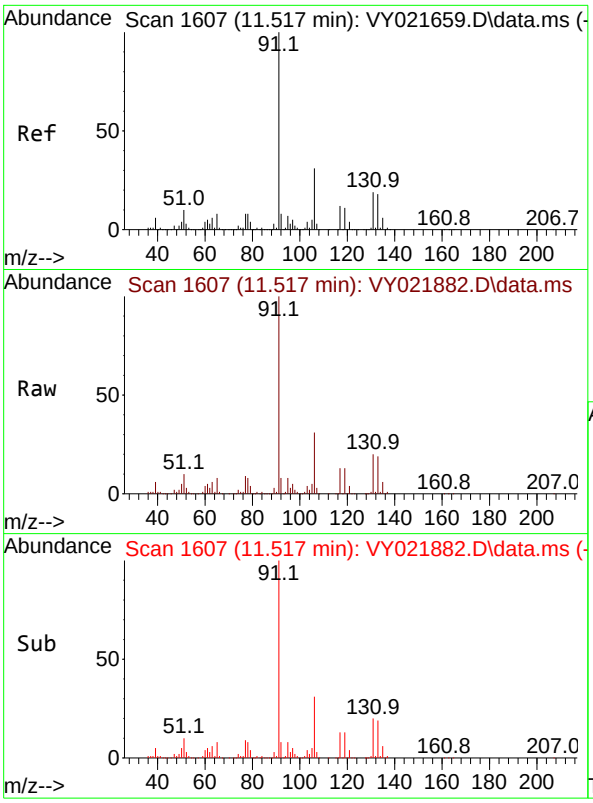


#66
1,1,1,2-Tetrachloroethane
Concen: 52.704 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:131 Resp: 147773

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.3	141.8
119	65.0	31.6	95.0

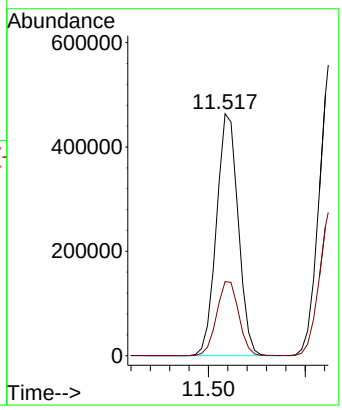




#67
Ethyl Benzene
Concen: 53.300 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 91 Resp: 72227

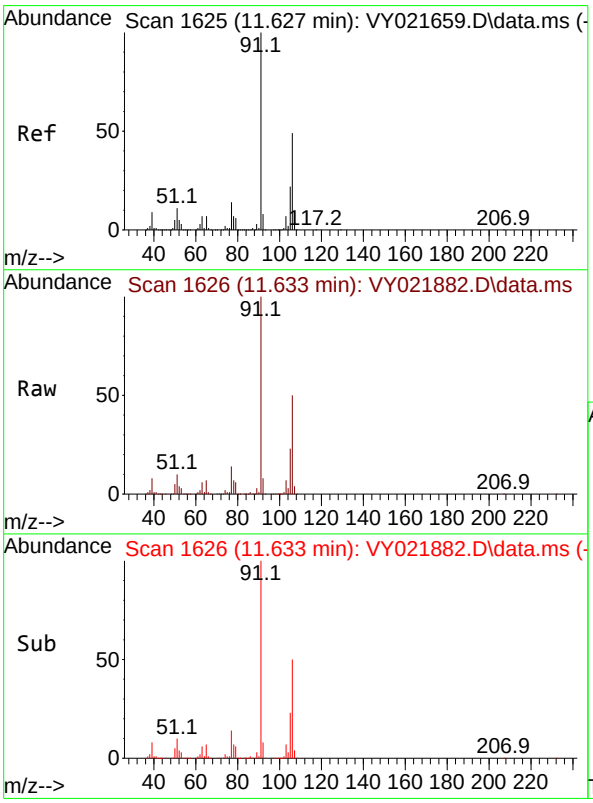
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

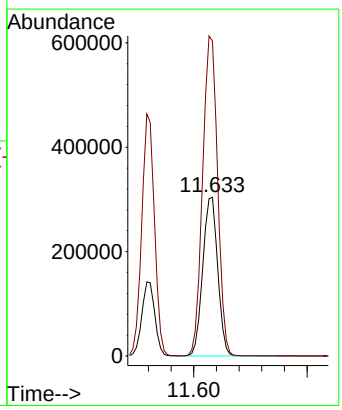
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

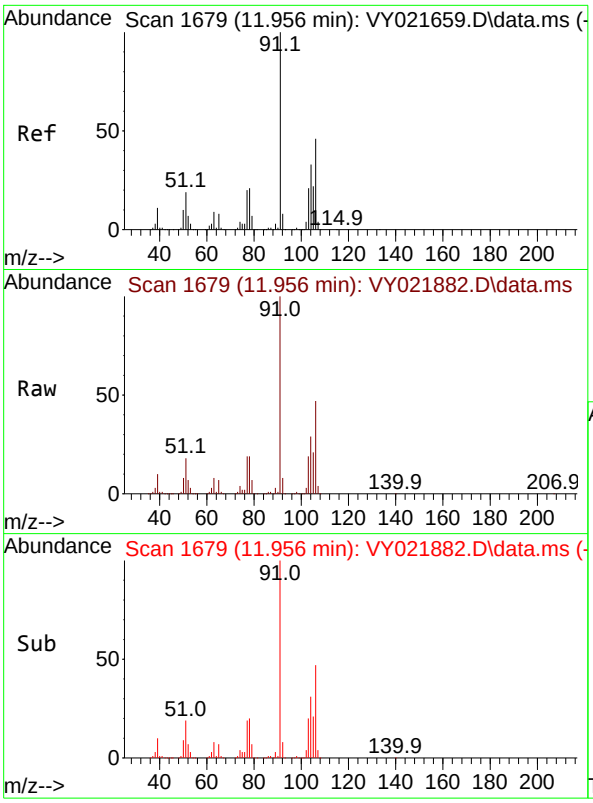


#68
m/p-Xylenes
Concen: 107.178 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:106 Resp: 556160

Ion	Ratio	Lower	Upper
106	100		
91	202.0	162.4	243.6

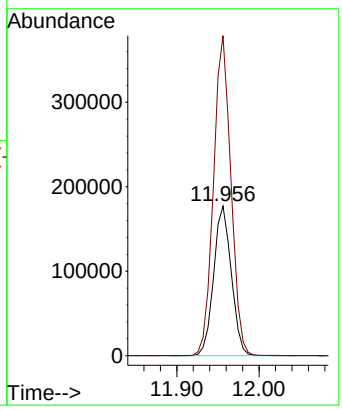




#69
o-Xylene
Concen: 55.164 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:106 Resp: 26423

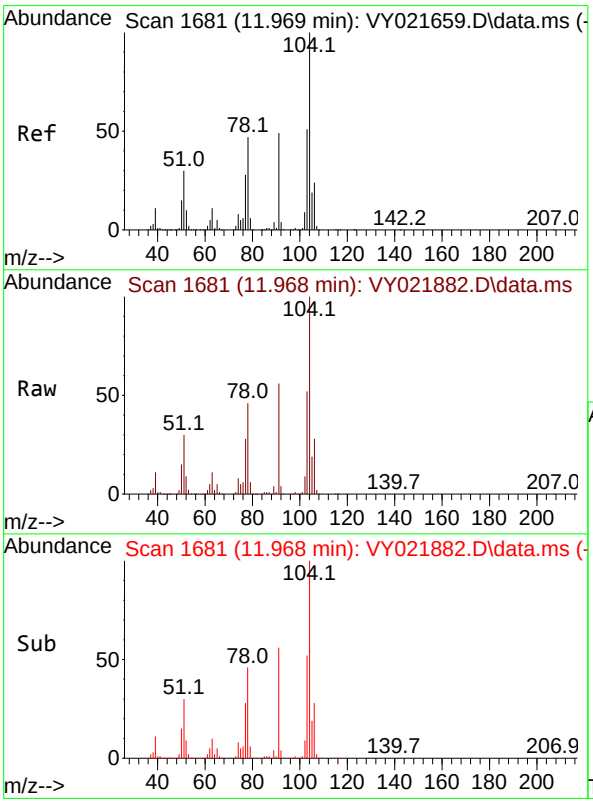
Ion	Ratio	Lower	Upper
106	100		
91	212.0	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

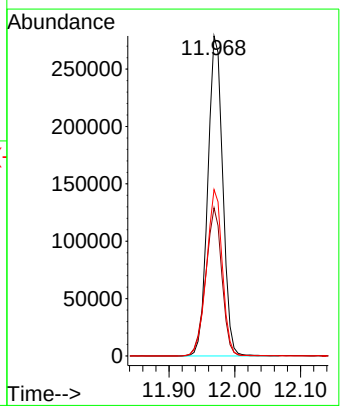
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

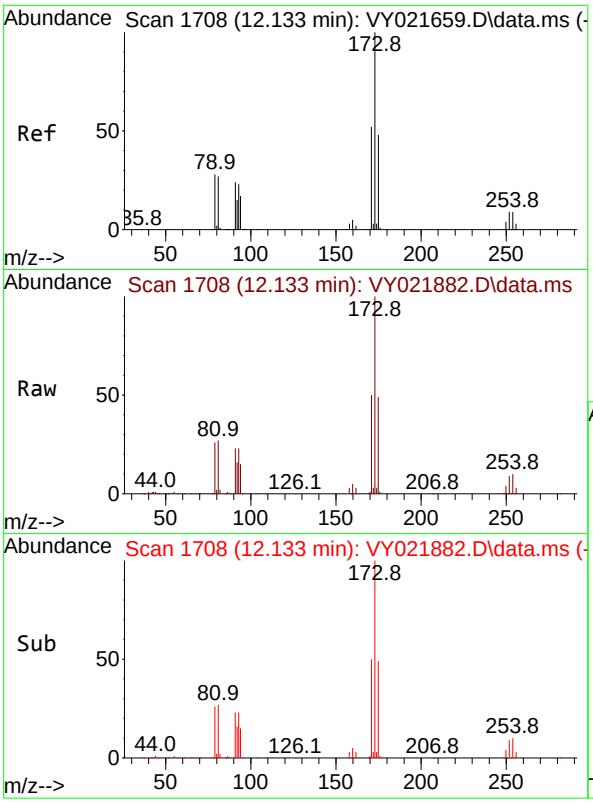


#70
Styrene
Concen: 55.250 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:104 Resp: 441254

Ion	Ratio	Lower	Upper
104	100		
78	50.0	40.8	61.2
103	54.9	44.2	66.2

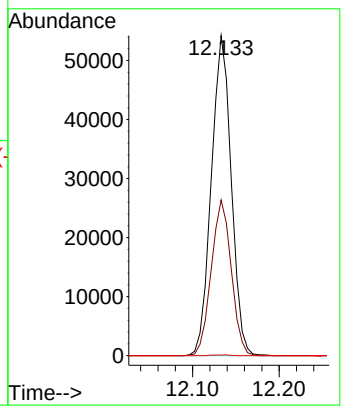




#71
Bromoform
Concen: 54.146 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:173 Resp: 8659

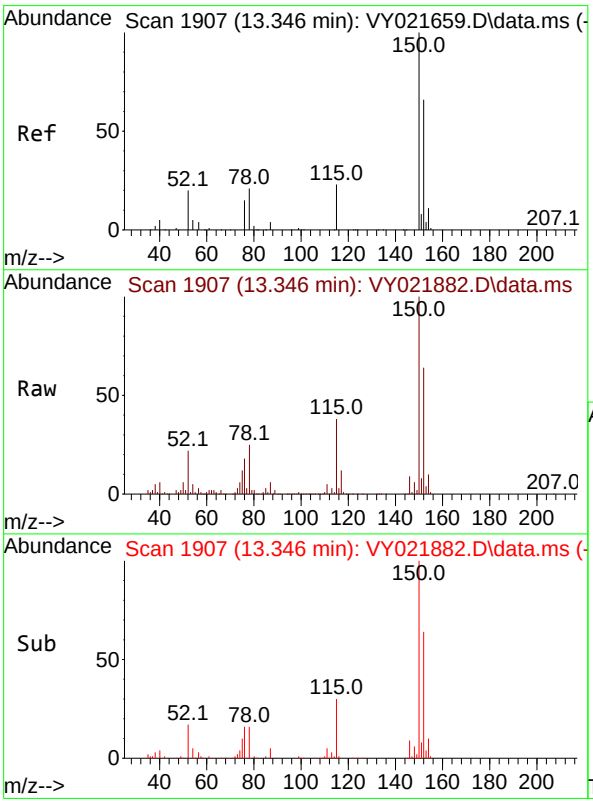
Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	73.0
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

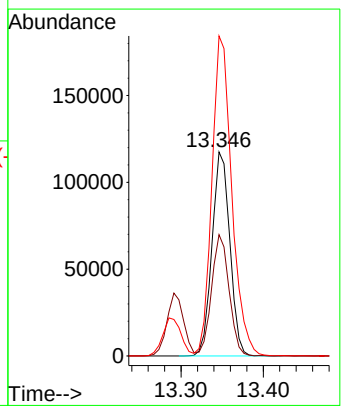
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

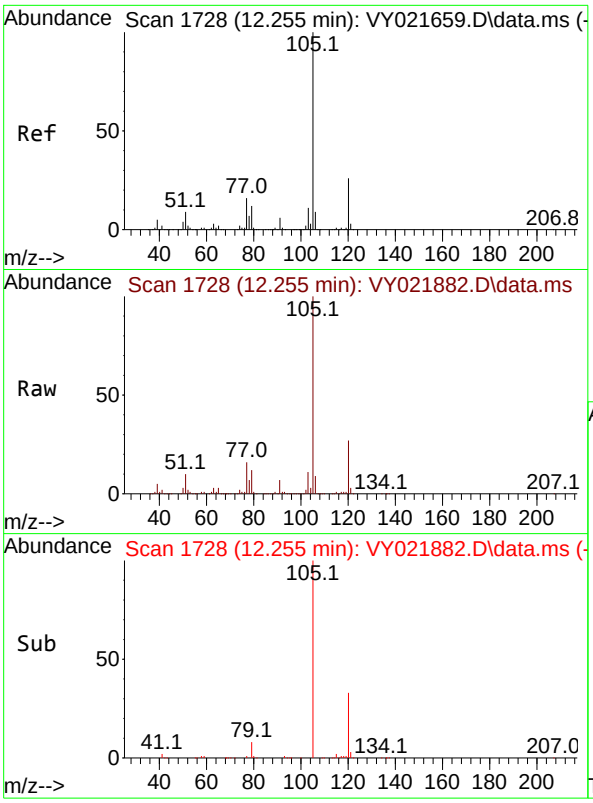


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:152 Resp: 176924

Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.8	86.5
150	174.9	0.0	348.4

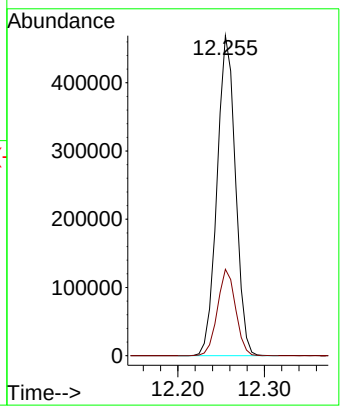




#73
Isopropylbenzene
Concen: 52.727 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:105 Resp: 69287

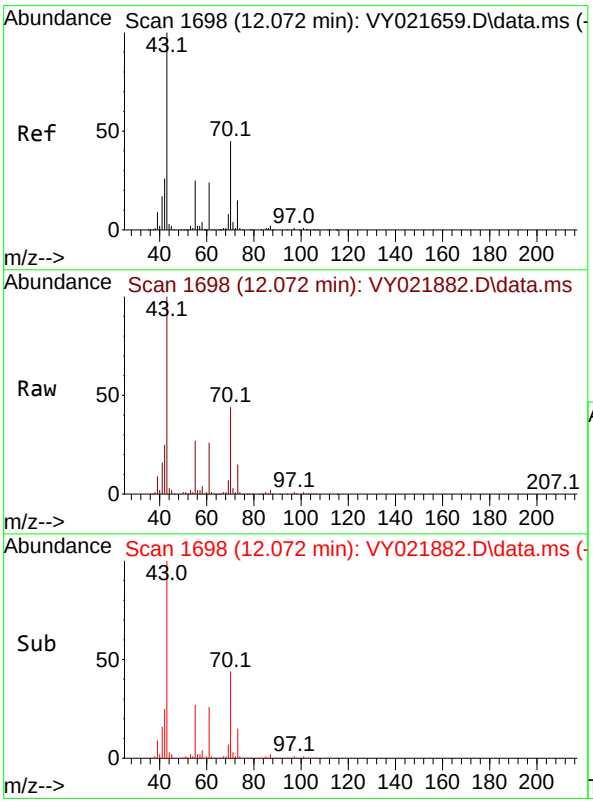
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

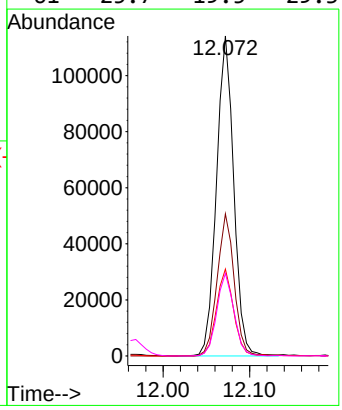
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

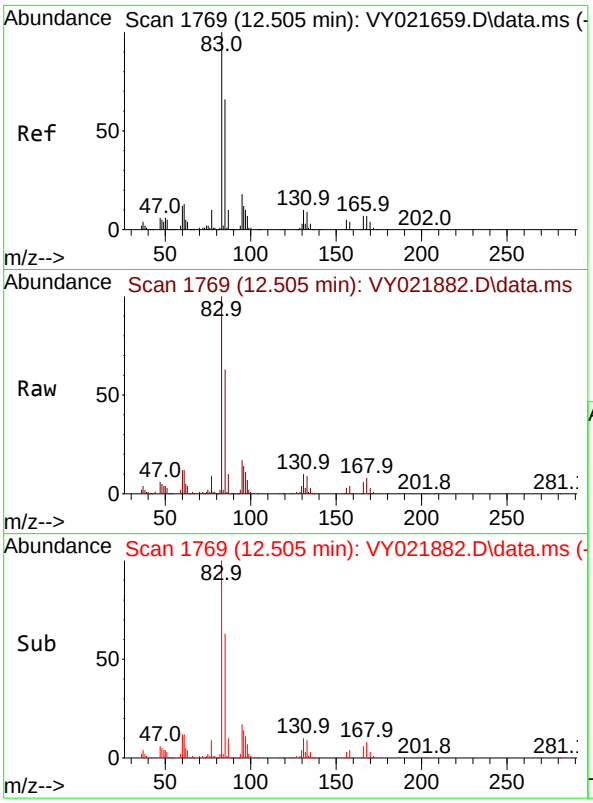


#74
N-amyl acetate
Concen: 51.230 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 43 Resp: 157994

Ion	Ratio	Lower	Upper
43	100		
70	44.0	34.7	52.1
55	27.3	21.2	31.8
61	25.7	19.5	29.3

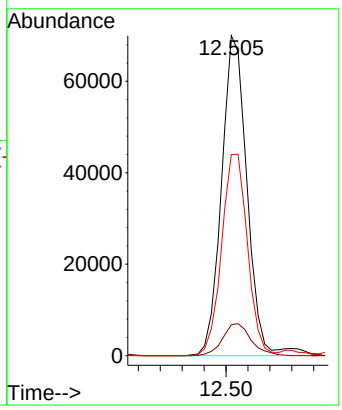




#75
1,1,2,2-Tetrachloroethane
Concen: 47.175 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 83 Resp: 11145

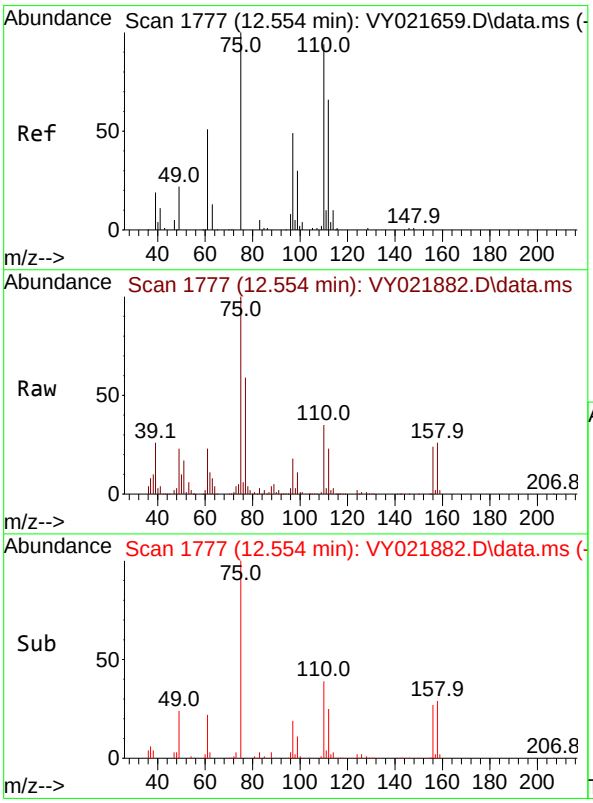
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.1	15.3
85	64.8	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

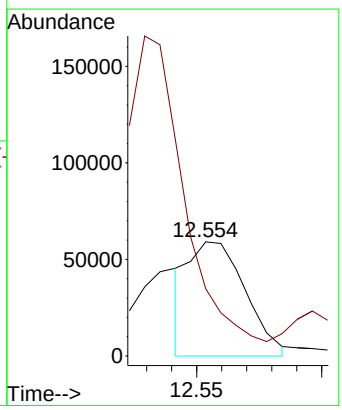
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

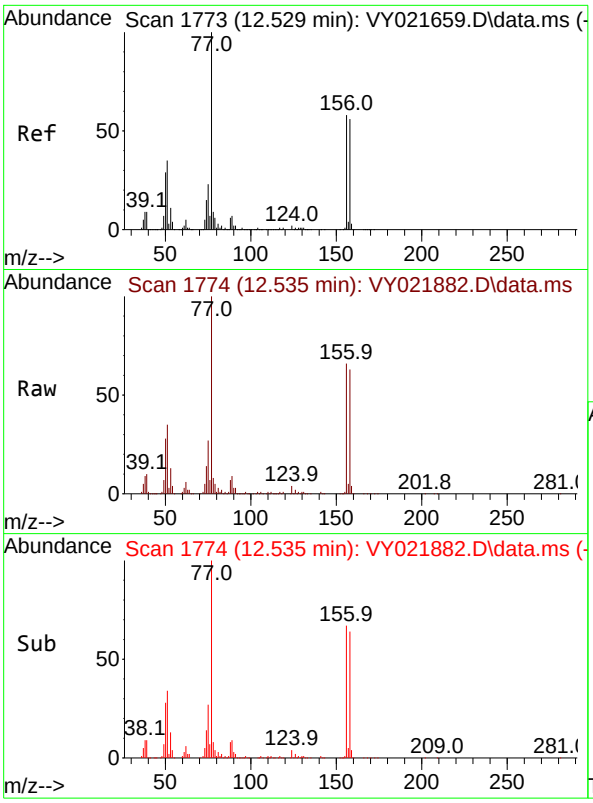


#76
1,2,3-Trichloropropane
Concen: 53.196 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 75 Resp: 93294

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

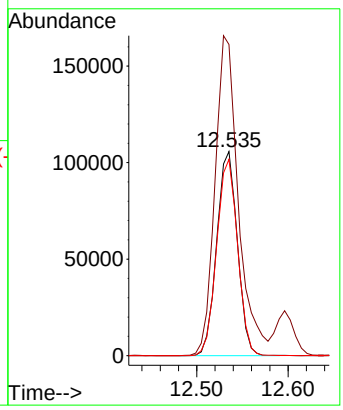




#77
Bromobenzene
Concen: 52.712 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:156 Resp: 16631

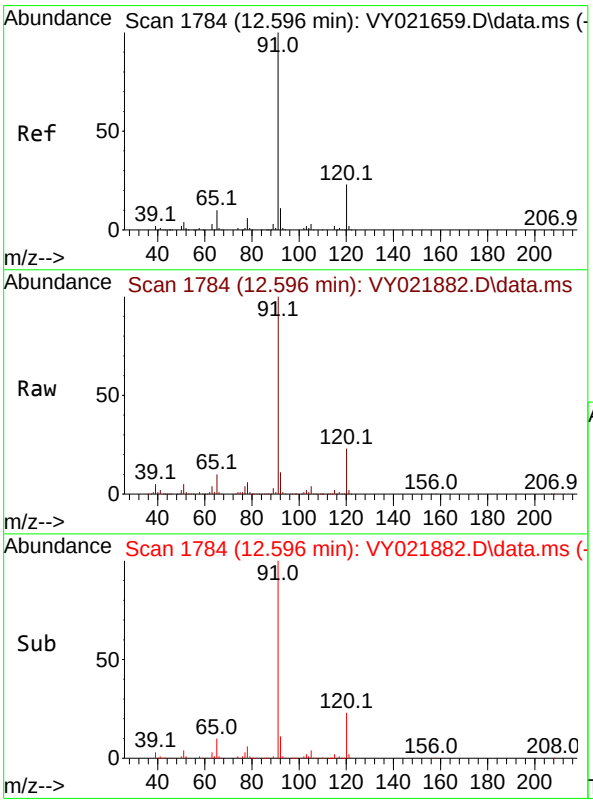
Ion	Ratio	Lower	Upper
156	100		
77	177.3	92.8	278.3
158	97.5	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

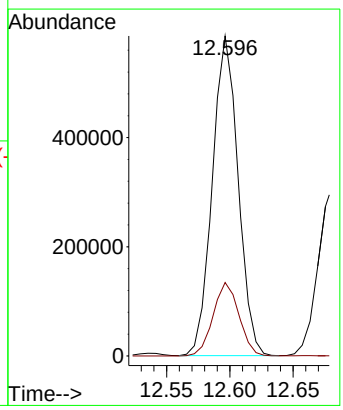
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

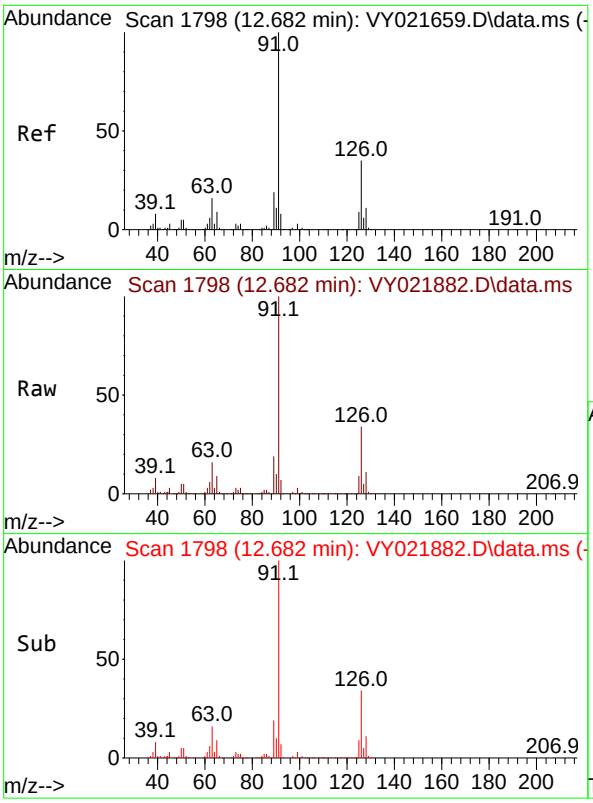


#78
n-propylbenzene
Concen: 52.525 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 91 Resp: 829804

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.3	33.9





#79
2-Chlorotoluene
Concen: 51.976 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

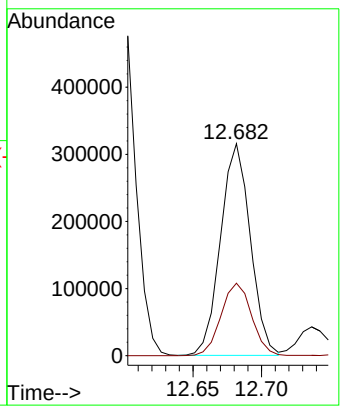
Tgt Ion: 91 Resp: 47693

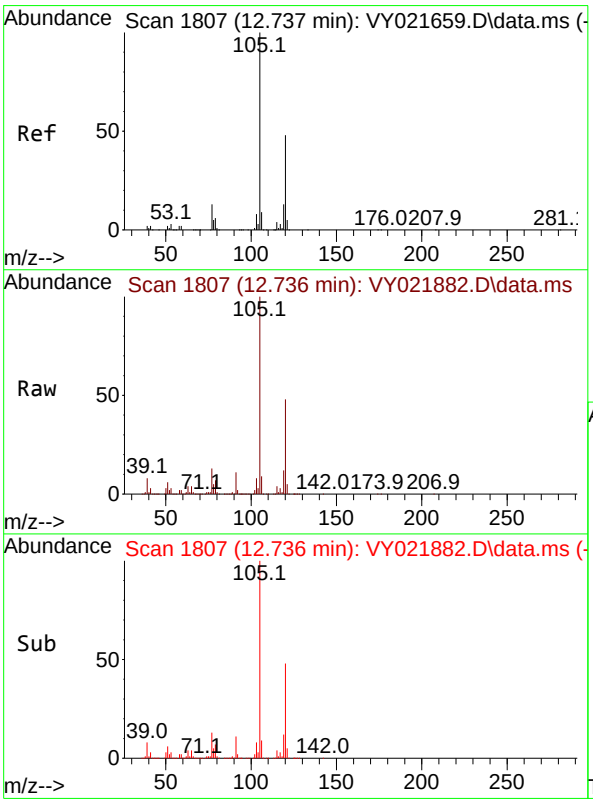
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.3	52.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

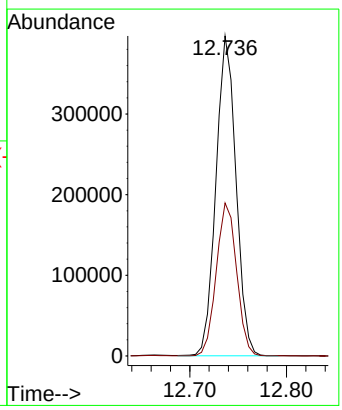


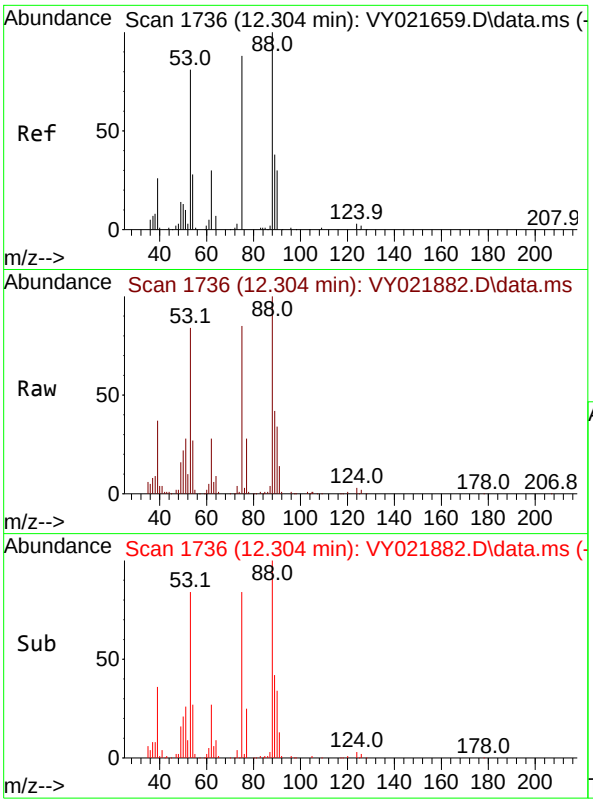


#80
1,3,5-Trimethylbenzene
Concen: 52.996 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:105 Resp: 569169

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.5	73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 50.049 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

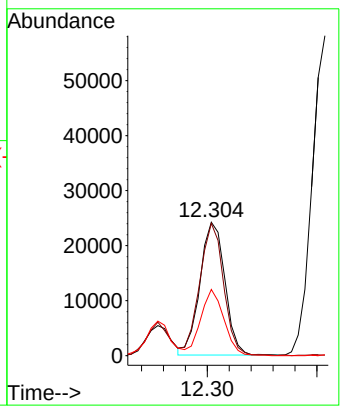
Tgt Ion: 75 Resp: 3809

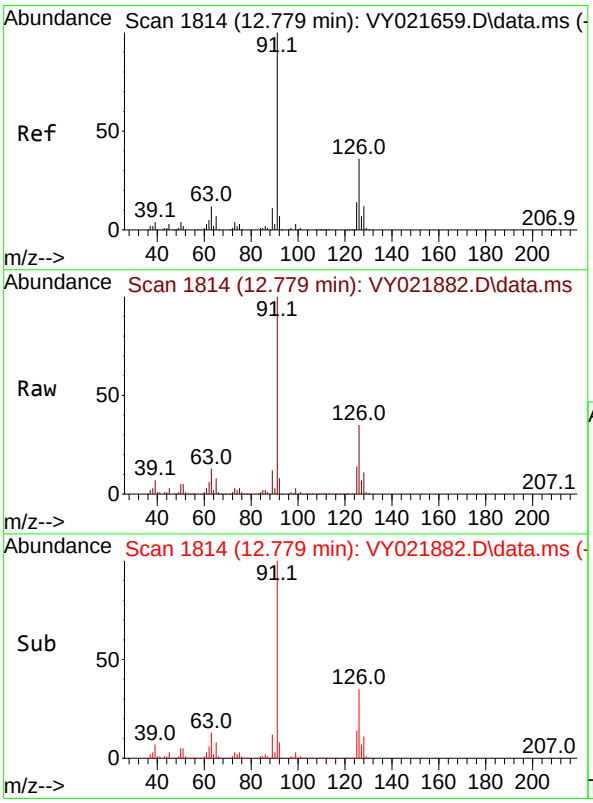
Ion	Ratio	Lower	Upper
75	100		
53	96.9	76.1	114.1
89	46.5	36.2	54.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

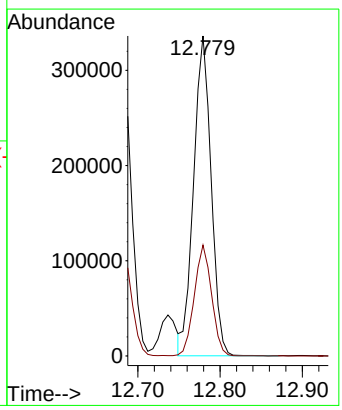


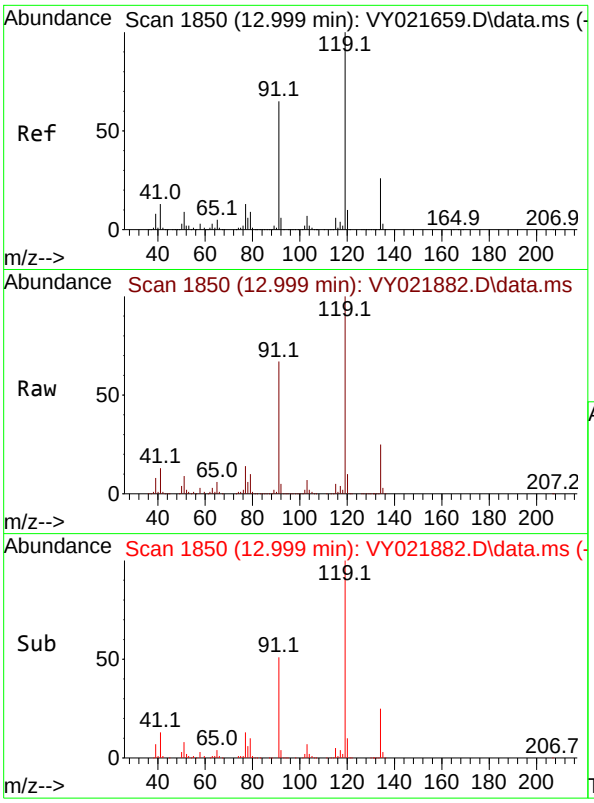


#82
4-Chlorotoluene
Concen: 51.932 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 91 Resp: 496802

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9

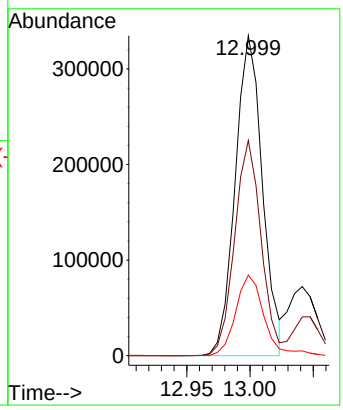




#83
tert-Butylbenzene
Concen: 52.580 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:119 Resp: 50298

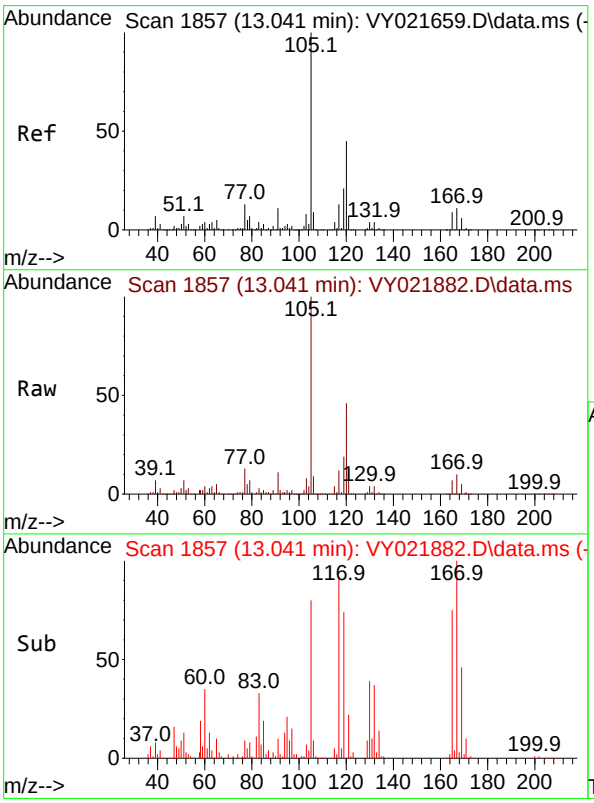
Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.6	97.7
134	26.3	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

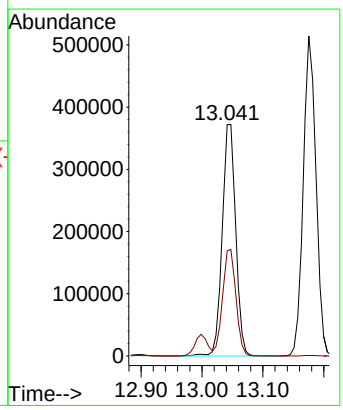
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

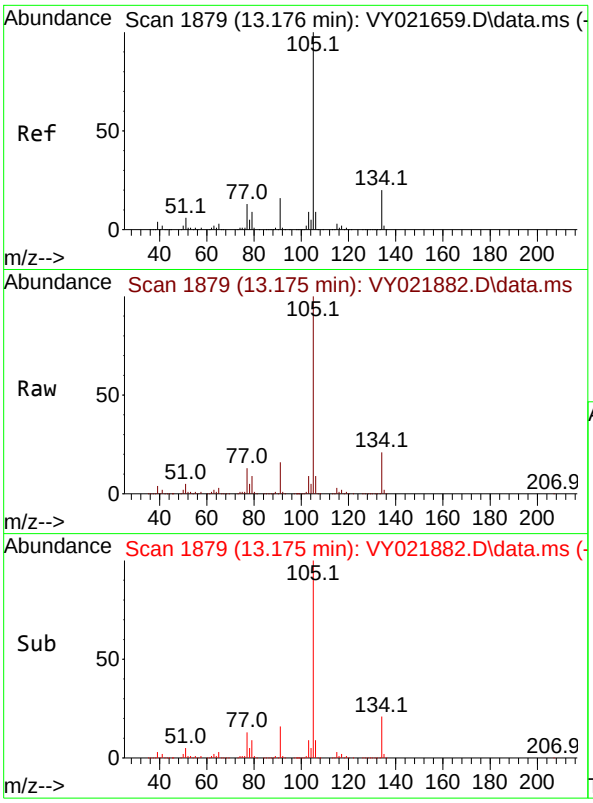


#84
1,2,4-Trimethylbenzene
Concen: 53.853 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:105 Resp: 571642

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.1





#85
sec-Butylbenzene
Concen: 53.193 ug/l
RT: 13.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

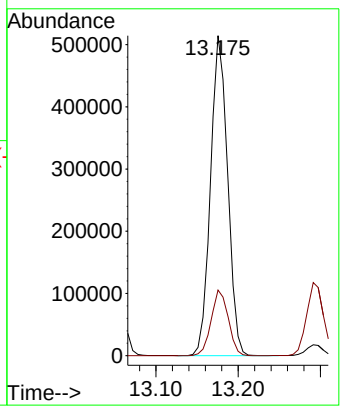
Tgt Ion:105 Resp: 74361

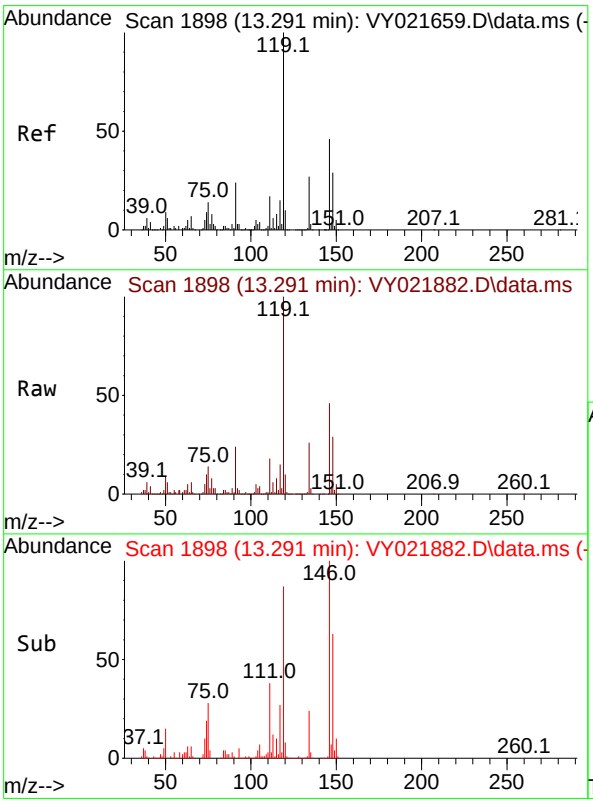
Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.1	30.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

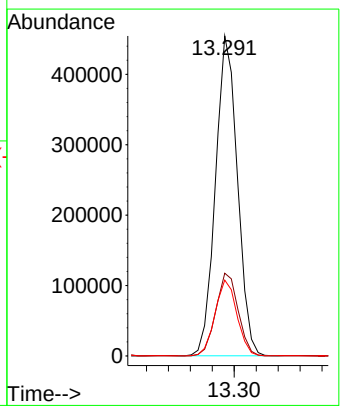


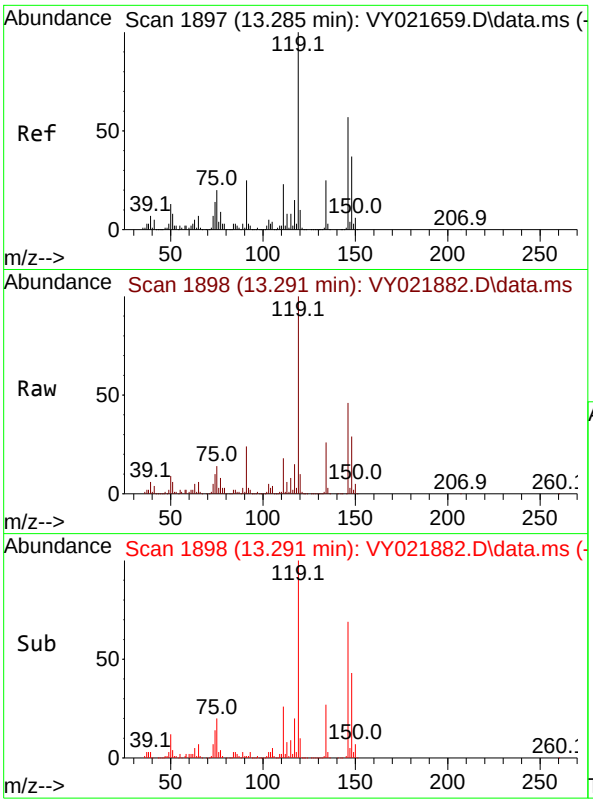


#86
p-Isopropyltoluene
Concen: 54.732 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:119 Resp: 632394

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	23.7	12.0	36.0

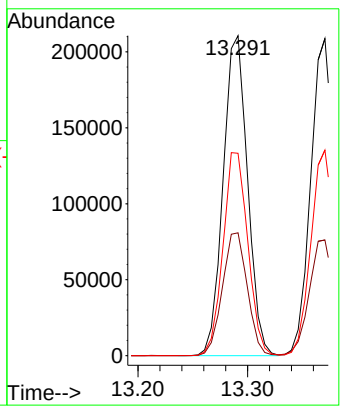




#87
1,3-Dichlorobenzene
Concen: 52.347 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:146 Resp: 32539

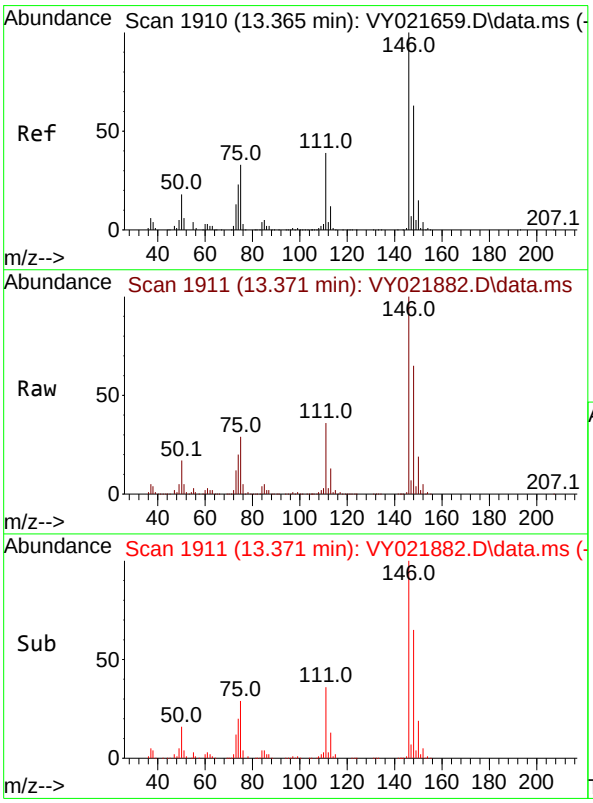
Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.0	60.0
148	64.6	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

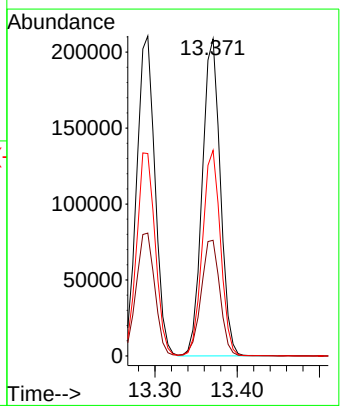
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

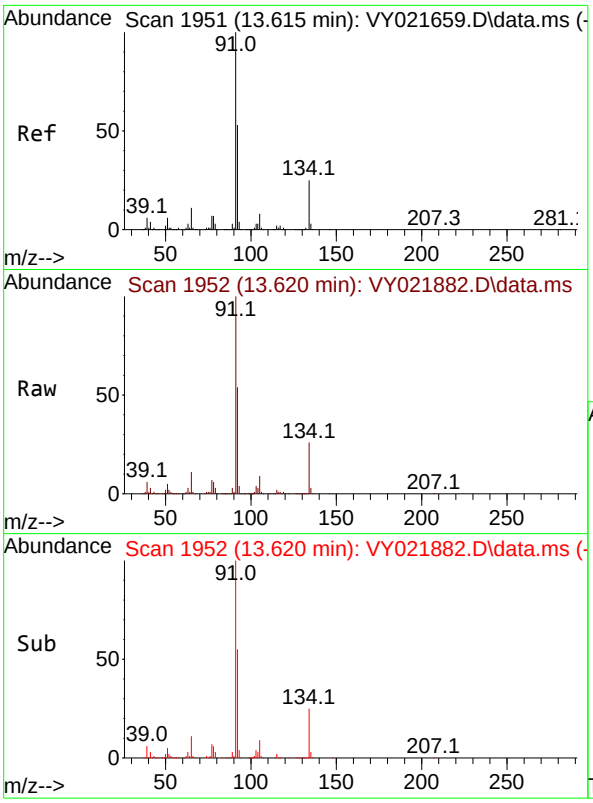


#88
1,4-Dichlorobenzene
Concen: 51.852 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:146 Resp: 318449

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	65.0	31.5	94.5

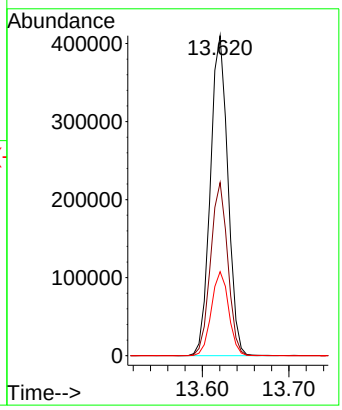




#89
n-Butylbenzene
Concen: 53.861 ug/l
RT: 13.620 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 91 Resp: 57553

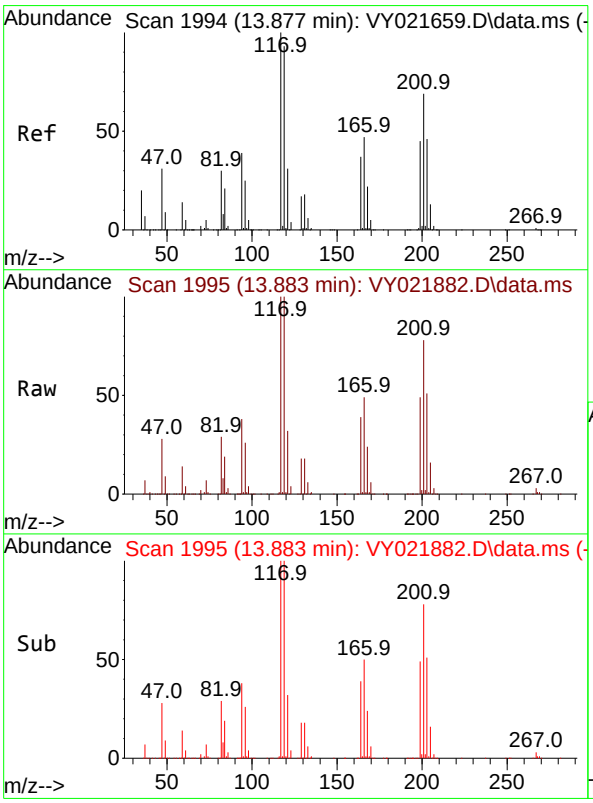
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	26.0	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

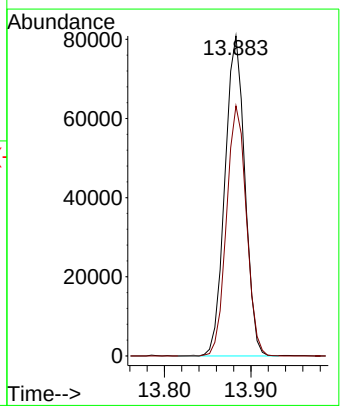
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

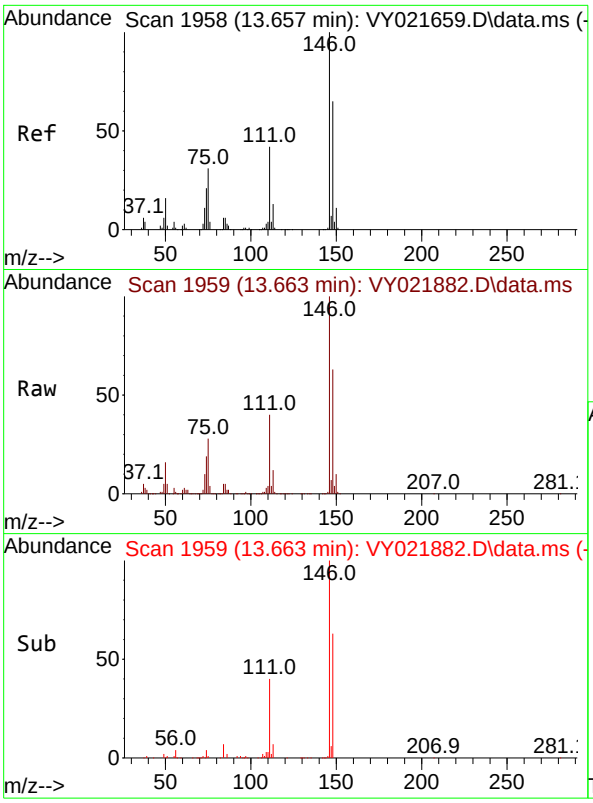


#90
Hexachloroethane
Concen: 51.061 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:117 Resp: 129286

Ion	Ratio	Lower	Upper
117	100		
201	77.9	37.4	112.1

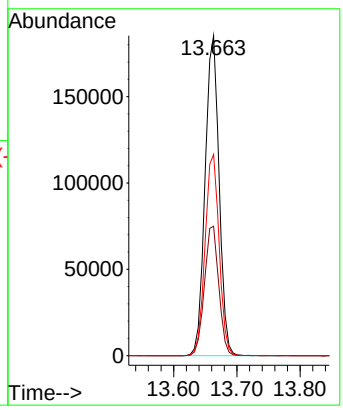




#91
1,2-Dichlorobenzene
Concen: 52.770 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:146 Resp: 28554

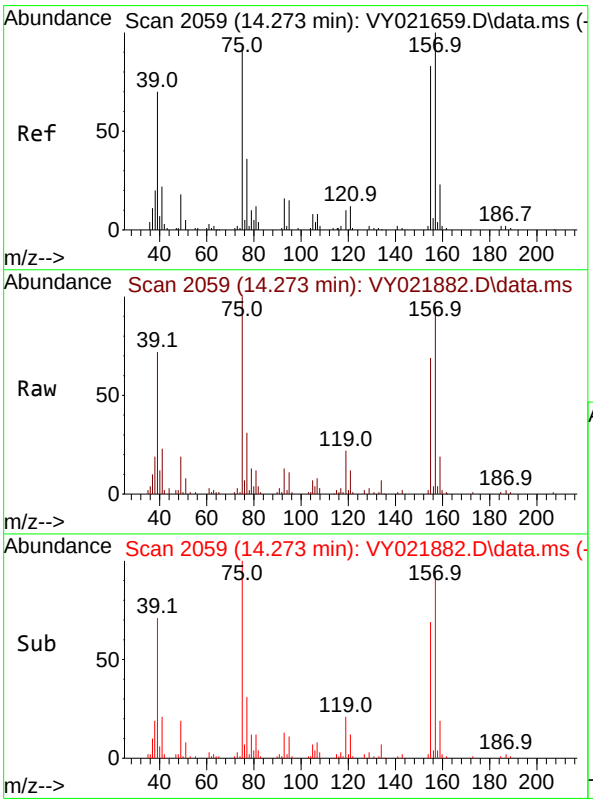
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	63.4	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

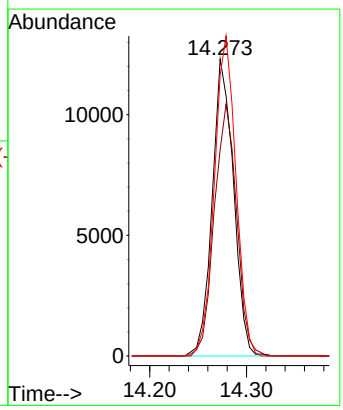
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

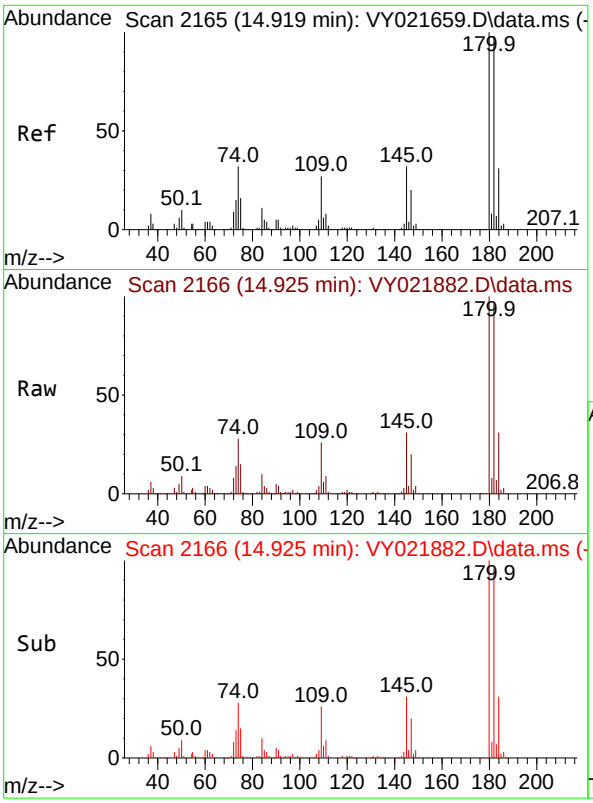


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.278 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion: 75 Resp: 18777

Ion	Ratio	Lower	Upper
75	100		
155	88.7	43.0	128.8
157	109.1	54.0	162.0

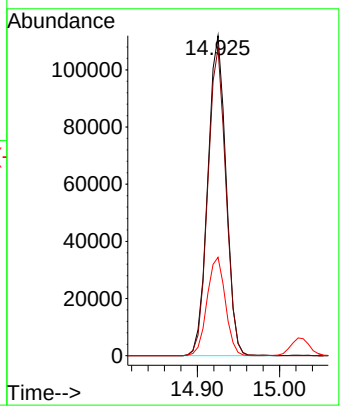




#93
1,2,4-Trichlorobenzene
Concen: 58.596 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:180 Resp: 17194

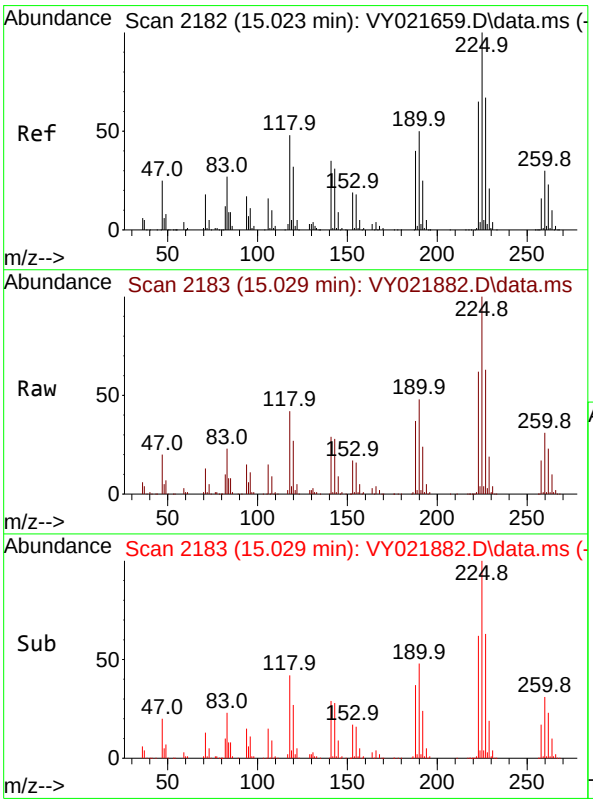
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	30.9	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

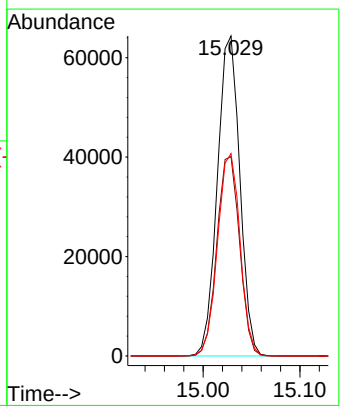
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

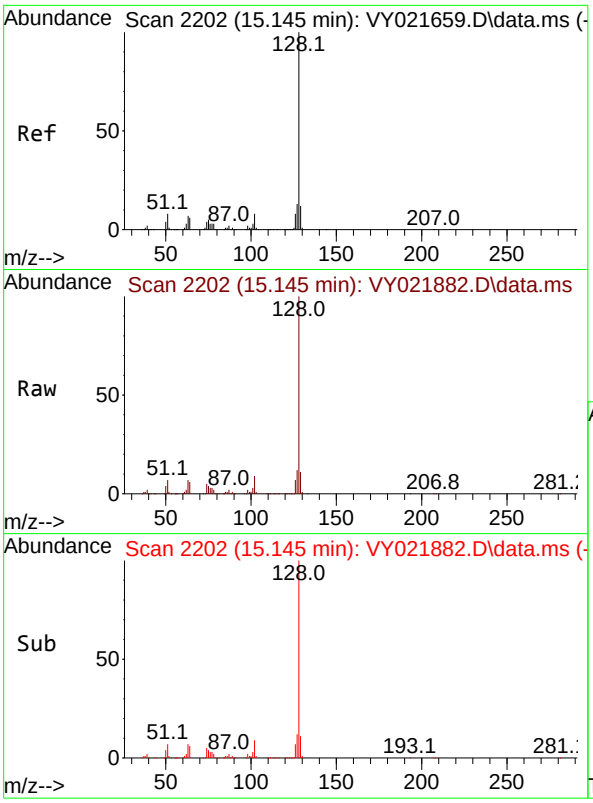


#94
Hexachlorobutadiene
Concen: 56.670 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:225 Resp: 103857

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	63.4	32.4	97.0

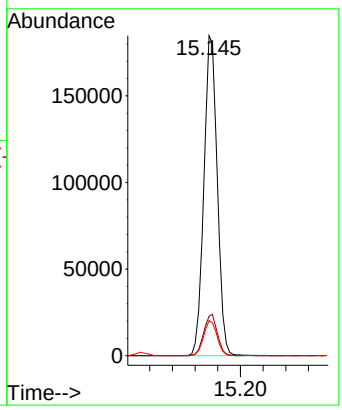




#95
Naphthalene
Concen: 61.987 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:128 Resp: 30150

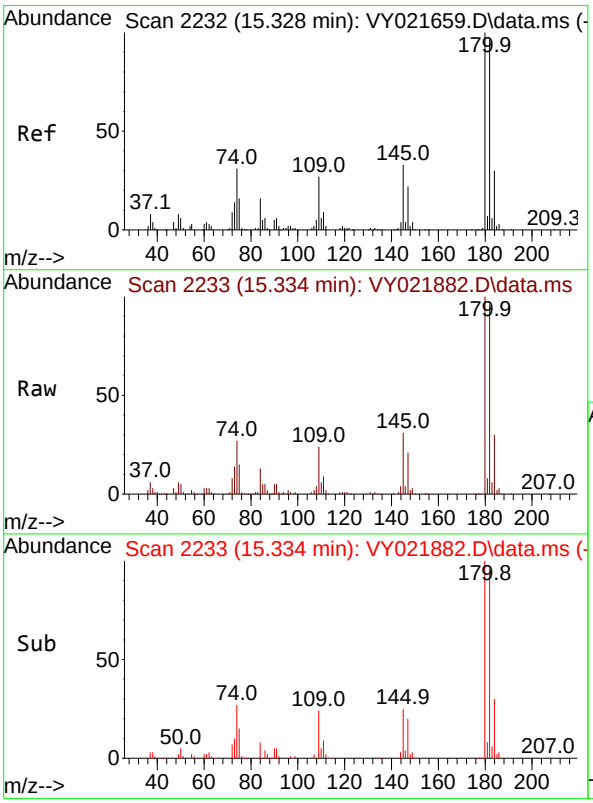
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.9	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

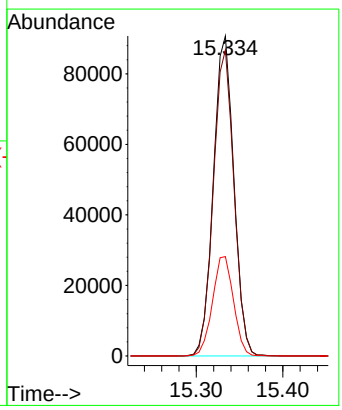
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 59.579 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021882.D
Acq: 15 Apr 2025 09:03

Tgt Ion:180 Resp: 149087

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.5
145	31.8	15.9	47.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021882.D
Acq On : 15 Apr 2025 09:03
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: Apr 16 02:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	106	0.00
2	T	Dichlorodifluoromethane	0.518	0.449	13.3	94	0.00
3	P	Chloromethane	0.729	0.594	18.5	91	0.00
4	C	Vinyl Chloride	0.824	0.700	15.0#	93	0.00
5	T	Bromomethane	0.562	0.471	16.2	97	0.00
6	T	Chloroethane	0.539	0.466	13.5	96	0.00
7	T	Trichlorofluoromethane	1.056	0.960	9.1	100	0.00
8	T	Diethyl Ether	0.287	0.280	2.4	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.557	0.532	4.5	105	0.00
10	T	Methyl Iodide	0.611	0.631	-3.3	102	0.00
11	T	Tert butyl alcohol	0.035	0.035	0.0	108	0.00
12	CM	1,1-Dichloroethene	0.524	0.505	3.6#	104	0.00
13	T	Acrolein	0.064	0.014	78.1#	23#	0.00
14	T	Allyl chloride	0.836	0.805	3.7	102	0.00
15	T	Acrylonitrile	0.120	0.120	0.0	105	0.00
16	T	Acetone	0.111	0.098	11.7	97	0.00
17	T	Carbon Disulfide	1.727	1.541	10.8	96	0.00
18	T	Methyl Acetate	0.275	0.334	-21.5	133	0.00
19	T	Methyl tert-butyl Ether	1.306	1.343	-2.8	107	0.00
20	T	Methylene Chloride	0.626	0.570	8.9	107	0.00
21	T	trans-1,2-Dichloroethene	0.577	0.569	1.4	106	0.00
22	T	Diisopropyl ether	1.754	1.757	-0.2	103	0.00
23	T	Vinyl Acetate	1.026	0.987	3.8	98	0.00
24	P	1,1-Dichloroethane	1.049	1.033	1.5	105	0.00
25	T	2-Butanone	0.158	0.154	2.5	103	0.00
26	T	2,2-Dichloropropane	0.933	0.932	0.1	107	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.662	-2.0	108	0.00
28	T	Bromochloromethane	0.442	0.432	2.3	108	0.00
29	T	Tetrahydrofuran	0.102	0.100	2.0	101	0.00
30	C	Chloroform	1.091	1.093	-0.2#	107	0.00
31	T	Cyclohexane	0.956	0.854	10.7	98	0.00
32	T	1,1,1-Trichloroethane	0.986	0.977	0.9	107	0.00
33	S	1,2-Dichloroethane-d4	0.542	0.514	5.2	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.324	0.329	-1.5	102	0.00
36	T	1,1-Dichloropropene	0.494	0.492	0.4	103	0.00
37	T	Ethyl Acetate	0.233	0.226	3.0	100	0.00
38	T	Carbon Tetrachloride	0.566	0.576	-1.8	107	0.00
39	T	Methylcyclohexane	0.590	0.593	-0.5	100	0.00
40	TM	Benzene	1.479	1.503	-1.6	105	0.00
41	T	Methacrylonitrile	0.124	0.123	0.8	94	-0.01
42	TM	1,2-Dichloroethane	0.417	0.424	-1.7	106	0.00
43	T	Isopropyl Acetate	0.442	0.448	-1.4	104	0.00
44	TM	Trichloroethene	0.377	0.406	-7.7	114	0.00
45	C	1,2-Dichloropropane	0.350	0.360	-2.9#	107	0.00
46	T	Dibromomethane	0.202	0.210	-4.0	111	0.00
47	T	Bromodichloromethane	0.523	0.545	-4.2	109	0.00
48	T	Methyl methacrylate	0.203	0.209	-3.0	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021882.D
Acq On : 15 Apr 2025 09:03
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: Apr 16 02:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	112	0.00
50	S	Toluene-d8	1.234	1.225	0.7	98	0.00
51	T	4-Methyl-2-Pentanone	0.230	0.244	-6.1	106	0.00
52	CM	Toluene	0.923	0.975	-5.6#	107	0.00
53	T	t-1,3-Dichloropropene	0.465	0.491	-5.6	106	0.00
54	T	cis-1,3-Dichloropropene	0.548	0.568	-3.6	105	0.00
55	T	1,1,2-Trichloroethane	0.260	0.274	-5.4	110	0.00
56	T	Ethyl methacrylate	0.332	0.372	-12.0	107	0.00
57	T	1,3-Dichloropropane	0.449	0.475	-5.8	108	0.00
58	T	2-Chloroethyl Vinyl ether	0.162	0.188	-16.0	110	0.00
59	T	2-Hexanone	0.153	0.160	-4.6	103	0.00
60	T	Dibromochloromethane	0.355	0.380	-7.0	109	0.00
61	T	1,2-Dibromoethane	0.244	0.264	-8.2	109	0.00
62	S	4-Bromofluorobenzene	0.417	0.437	-4.8	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.455	0.527	-15.8	123	0.00
65	PM	Chlorobenzene	1.146	1.195	-4.3	108	0.00
66	T	1,1,1,2-Tetrachloroethane	0.407	0.429	-5.4	109	0.00
67	C	Ethyl Benzene	1.965	2.095	-6.6#	107	0.00
68	T	m/p-Xylenes	0.753	0.807	-7.2	107	0.00
69	T	o-Xylene	0.695	0.766	-10.2	109	0.00
70	T	Styrene	1.158	1.280	-10.5	109	0.00
71	P	Bromoform	0.232	0.251	-8.2	111	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	3.714	3.916	-5.4	108	0.00
74	T	N-amyl acetate	0.872	0.893	-2.4	103	0.00
75	P	1,1,2,2-Tetrachloroethane	0.668	0.630	5.7	101	0.00
76	T	1,2,3-Trichloropropane	0.496	0.527	-6.3	112	0.00
77	T	Bromobenzene	0.892	0.940	-5.4	111	0.00
78	T	n-propylbenzene	4.465	4.690	-5.0	107	0.00
79	T	2-Chlorotoluene	2.593	2.696	-4.0	107	0.00
80	T	1,3,5-Trimethylbenzene	3.035	3.217	-6.0	108	0.00
81	T	trans-1,4-Dichloro-2-butene	0.215	0.215	0.0	102	0.00
82	T	4-Chlorotoluene	2.704	2.808	-3.8	107	0.00
83	T	tert-Butylbenzene	2.703	2.843	-5.2	107	0.00
84	T	1,2,4-Trimethylbenzene	3.000	3.231	-7.7	109	0.00
85	T	sec-Butylbenzene	3.951	4.203	-6.4	108	0.00
86	T	p-Isopropyltoluene	3.265	3.574	-9.5	110	0.00
87	T	1,3-Dichlorobenzene	1.757	1.839	-4.7	111	0.00
88	T	1,4-Dichlorobenzene	1.736	1.800	-3.7	109	0.00
89	T	n-Butylbenzene	3.020	3.253	-7.7	108	0.00
90	T	Hexachloroethane	0.716	0.731	-2.1	109	0.00
91	T	1,2-Dichlorobenzene	1.529	1.614	-5.6	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.106	-2.9	110	0.00
93	T	1,2,4-Trichlorobenzene	0.829	0.972	-17.2	117	0.00
94	T	Hexachlorobutadiene	0.518	0.587	-13.3	118	0.00
95	T	Naphthalene	1.375	1.704	-23.9	119	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021882.D
Acq On : 15 Apr 2025 09:03
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: Apr 16 02:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	0.707	0.843	-19.2	119	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021882.D
Acq On : 15 Apr 2025 09:03
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: Apr 16 02:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	106	0.00
2	T	Dichlorodifluoromethane	50.000	43.311	13.4	94	0.00
3	P	Chloromethane	50.000	40.765	18.5	91	0.00
4	C	Vinyl Chloride	50.000	42.486	15.0#	93	0.00
5	T	Bromomethane	50.000	41.939	16.1	97	0.00
6	T	Chloroethane	50.000	43.220	13.6	96	0.00
7	T	Trichlorofluoromethane	50.000	45.468	9.1	100	0.00
8	T	Diethyl Ether	50.000	48.747	2.5	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.729	4.5	105	0.00
10	T	Methyl Iodide	50.000	51.664	-3.3	102	0.00
11	T	Tert butyl alcohol	250.000	246.112	1.6	108	0.00
12	CM	1,1-Dichloroethene	50.000	48.157	3.7#	104	0.00
13	T	Acrolein	250.000	54.136	78.3#	23	0.00
14	T	Allyl chloride	50.000	48.120	3.8	102	0.00
15	T	Acrylonitrile	250.000	250.549	-0.2	105	0.00
16	T	Acetone	250.000	220.431	11.8	97	0.00
17	T	Carbon Disulfide	50.000	44.603	10.8	96	0.00
18	T	Methyl Acetate	50.000	60.726	-21.5	133	0.00
19	T	Methyl tert-butyl Ether	50.000	51.442	-2.9	107	0.00
20	T	Methylene Chloride	50.000	52.748	-5.5	107	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.233	1.5	106	0.00
22	T	Diisopropyl ether	50.000	50.071	-0.1	103	0.00
23	T	Vinyl Acetate	250.000	240.393	3.8	98	0.00
24	P	1,1-Dichloroethane	50.000	49.237	1.5	105	0.00
25	T	2-Butanone	250.000	243.373	2.7	103	0.00
26	T	2,2-Dichloropropane	50.000	49.972	0.1	107	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.990	-2.0	108	0.00
28	T	Bromochloromethane	50.000	48.864	2.3	108	0.00
29	T	Tetrahydrofuran	250.000	246.311	1.5	101	0.00
30	C	Chloroform	50.000	50.107	-0.2#	107	0.00
31	T	Cyclohexane	50.000	44.657	10.7	98	0.00
32	T	1,1,1-Trichloroethane	50.000	49.549	0.9	107	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.420	5.2	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	50.677	-1.4	102	0.00
36	T	1,1-Dichloropropene	50.000	49.783	0.4	103	0.00
37	T	Ethyl Acetate	50.000	48.452	3.1	100	0.00
38	T	Carbon Tetrachloride	50.000	50.872	-1.7	107	0.00
39	T	Methylcyclohexane	50.000	50.240	-0.5	100	0.00
40	TM	Benzene	50.000	50.810	-1.6	105	0.00
41	T	Methacrylonitrile	50.000	49.538	0.9	94	-0.01
42	TM	1,2-Dichloroethane	50.000	50.851	-1.7	106	0.00
43	T	Isopropyl Acetate	50.000	50.671	-1.3	104	0.00
44	TM	Trichloroethene	50.000	53.820	-7.6	114	0.00
45	C	1,2-Dichloropropane	50.000	51.373	-2.7#	107	0.00
46	T	Dibromomethane	50.000	51.935	-3.9	111	0.00
47	T	Bromodichloromethane	50.000	52.093	-4.2	109	0.00
48	T	Methyl methacrylate	50.000	51.433	-2.9	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021882.D
Acq On : 15 Apr 2025 09:03
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: Apr 16 02:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	1096.546	-9.7	112	0.00
50	S	Toluene-d8	50.000	49.637	0.7	98	0.00
51	T	4-Methyl-2-Pentanone	250.000	265.393	-6.2	106	0.00
52	CM	Toluene	50.000	52.796	-5.6#	107	0.00
53	T	t-1,3-Dichloropropene	50.000	52.901	-5.8	106	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.856	-3.7	105	0.00
55	T	1,1,2-Trichloroethane	50.000	52.722	-5.4	110	0.00
56	T	Ethyl methacrylate	50.000	56.137	-12.3	107	0.00
57	T	1,3-Dichloropropane	50.000	52.968	-5.9	108	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	290.953	-16.4	110	0.00
59	T	2-Hexanone	250.000	261.814	-4.7	103	0.00
60	T	Dibromochloromethane	50.000	53.600	-7.2	109	0.00
61	T	1,2-Dibromoethane	50.000	54.253	-8.5	109	0.00
62	S	4-Bromofluorobenzene	50.000	52.375	-4.8	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	57.840	-15.7	123	0.00
65	PM	Chlorobenzene	50.000	52.119	-4.2	108	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.704	-5.4	109	0.00
67	C	Ethyl Benzene	50.000	53.300	-6.6#	107	0.00
68	T	m/p-Xylenes	100.000	107.178	-7.2	107	0.00
69	T	o-Xylene	50.000	55.164	-10.3	109	0.00
70	T	Styrene	50.000	55.250	-10.5	109	0.00
71	P	Bromoform	50.000	54.146	-8.3	111	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	52.727	-5.5	108	0.00
74	T	N-amyl acetate	50.000	51.230	-2.5	103	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.175	5.7	101	0.00
76	T	1,2,3-Trichloropropane	50.000	53.196	-6.4	112	0.00
77	T	Bromobenzene	50.000	52.712	-5.4	111	0.00
78	T	n-propylbenzene	50.000	52.525	-5.0	107	0.00
79	T	2-Chlorotoluene	50.000	51.976	-4.0	107	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.996	-6.0	108	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.049	-0.1	102	0.00
82	T	4-Chlorotoluene	50.000	51.932	-3.9	107	0.00
83	T	tert-Butylbenzene	50.000	52.580	-5.2	107	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.853	-7.7	109	0.00
85	T	sec-Butylbenzene	50.000	53.193	-6.4	108	0.00
86	T	p-Isopropyltoluene	50.000	54.732	-9.5	110	0.00
87	T	1,3-Dichlorobenzene	50.000	52.347	-4.7	111	0.00
88	T	1,4-Dichlorobenzene	50.000	51.852	-3.7	109	0.00
89	T	n-Butylbenzene	50.000	53.861	-7.7	108	0.00
90	T	Hexachloroethane	50.000	51.061	-2.1	109	0.00
91	T	1,2-Dichlorobenzene	50.000	52.770	-5.5	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.278	-2.6	110	0.00
93	T	1,2,4-Trichlorobenzene	50.000	58.596	-17.2	117	0.00
94	T	Hexachlorobutadiene	50.000	56.670	-13.3	118	0.00
95	T	Naphthalene	50.000	61.987	-24.0	119	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021882.D
Acq On : 15 Apr 2025 09:03
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: Apr 16 02:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 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	59.579	-19.2	119	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

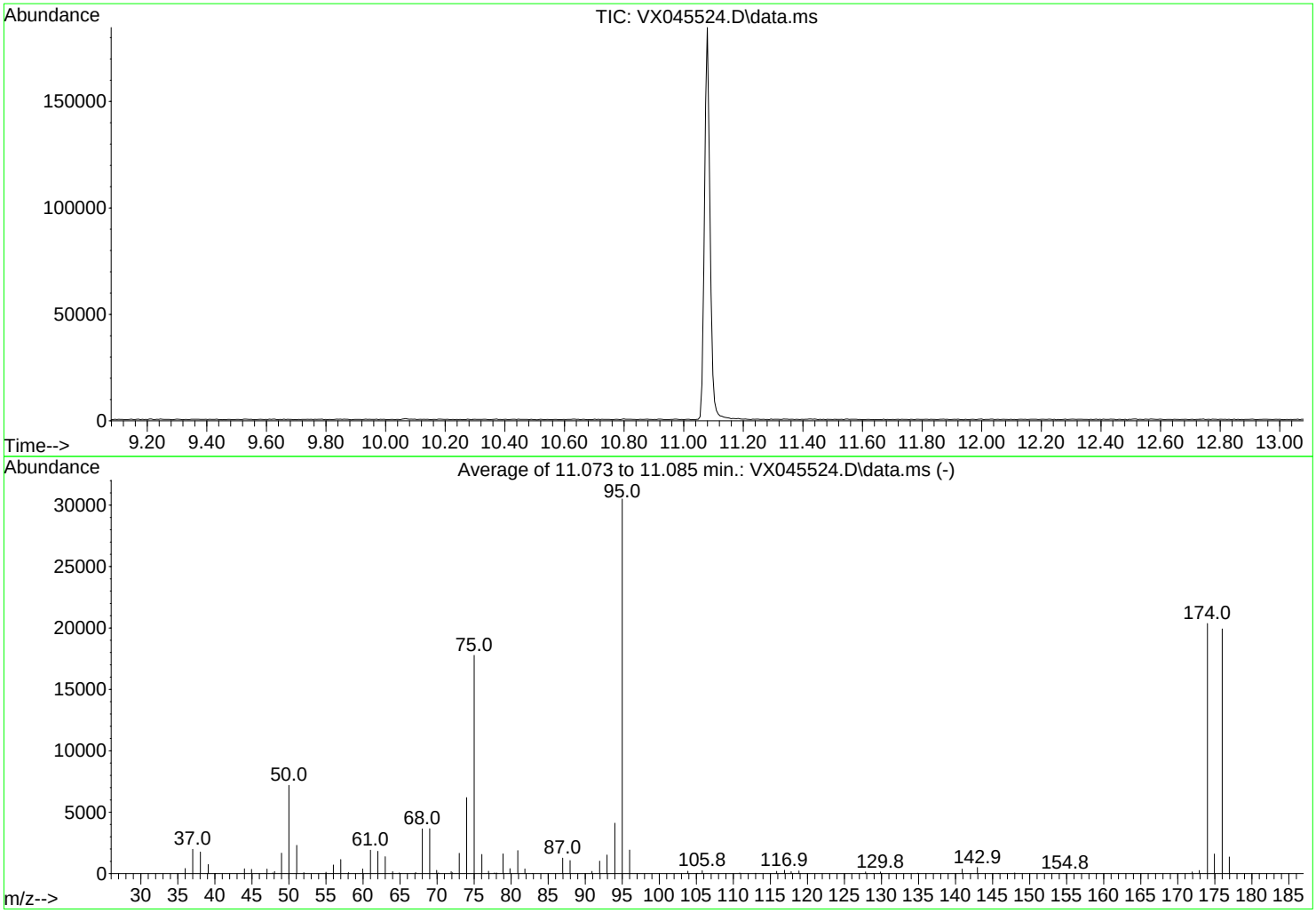
Sample Results: **VX045524.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045524.D
Acq On : 01 Apr 2025 16:15
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\82X040225W.M
Title : SW846 8260
Last Update : Wed Apr 02 03:11:43 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.6	7184	PASS
75	95	30	60	58.2	17768	PASS
95	95	100	100	100.0	30504	PASS
96	95	5	9	6.3	1916	PASS
173	174	0.00	2	1.2	253	PASS
174	95	50	100	66.8	20365	PASS
175	174	5	9	7.8	1596	PASS
176	174	95	101	97.8	19923	PASS
177	176	5	9	6.8	1352	PASS

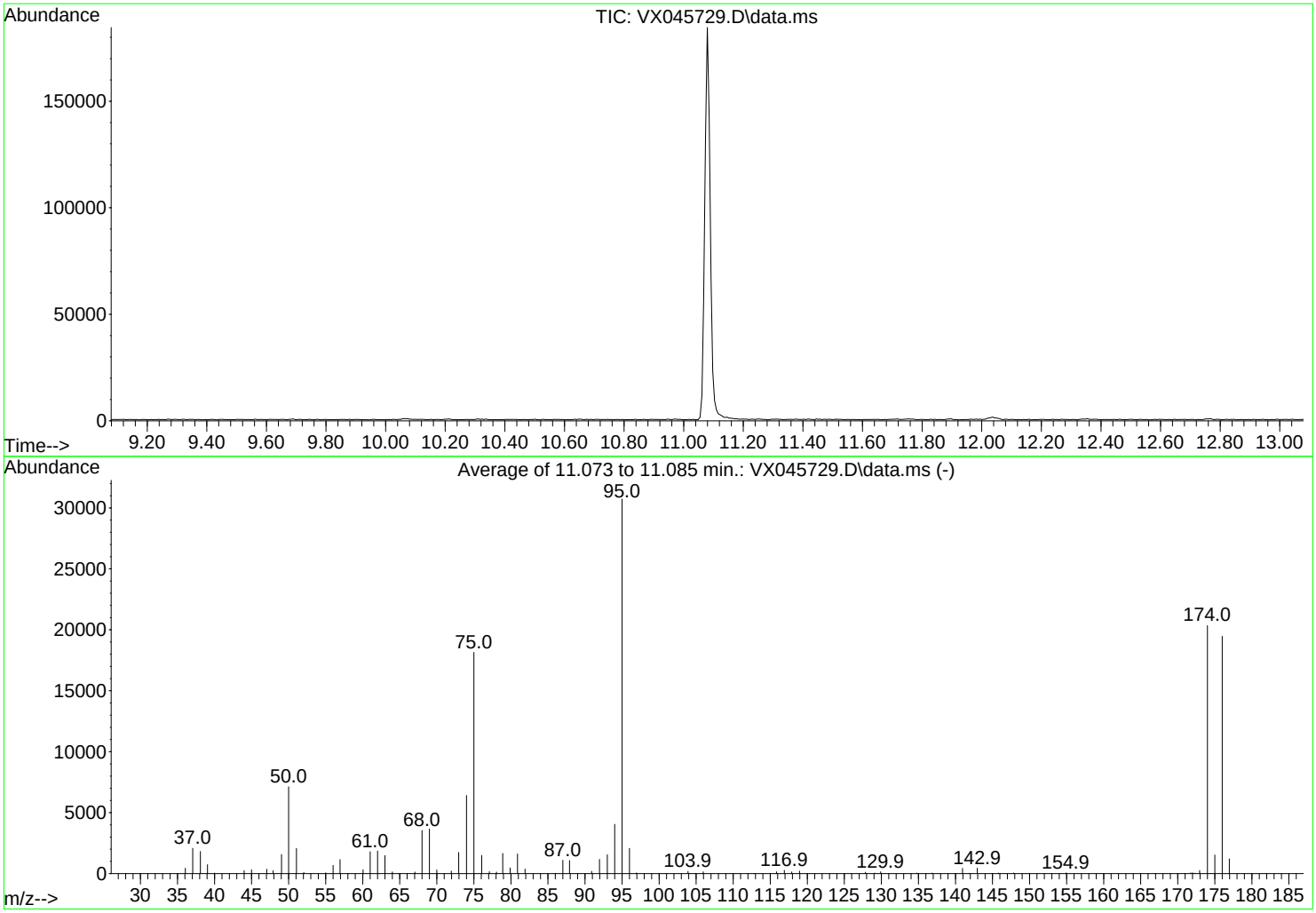
Sample Results: **VX045729.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045729.D
Acq On : 11 Apr 2025 10:14
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\82X040225W.M
Title : SW846 8260
Last Update : Wed Apr 02 03:11:43 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	7120	PASS
75	95	30	60	59.1	18154	PASS
95	95	100	100	100.0	30731	PASS
96	95	5	9	6.8	2080	PASS
173	174	0.00	2	1.3	256	PASS
174	95	50	100	66.2	20343	PASS
175	174	5	9	7.5	1523	PASS
176	174	95	101	95.7	19467	PASS
177	176	5	9	6.2	1215	PASS

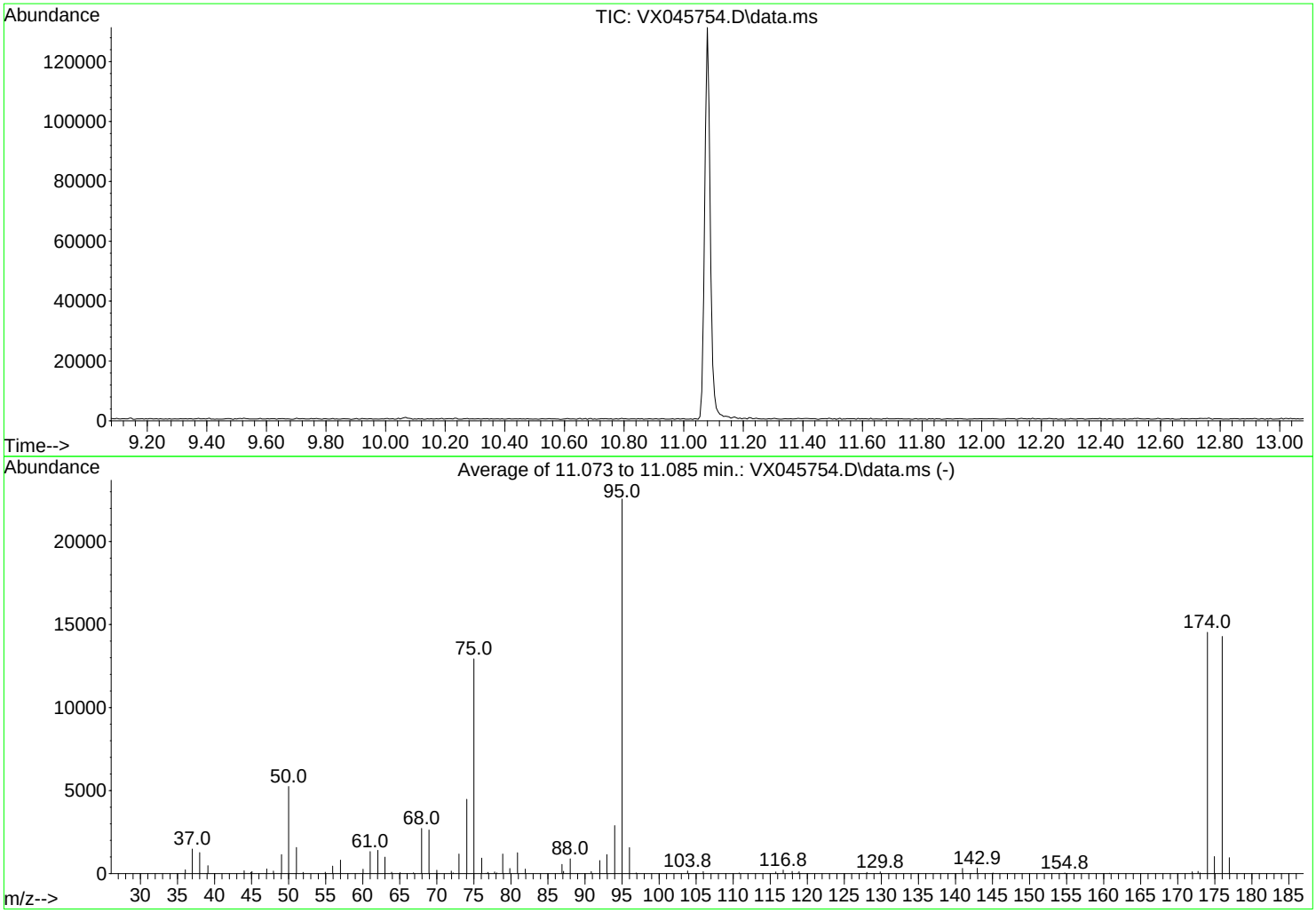
Sample Results: **VX045754.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045754.D
Acq On : 14 Apr 2025 09:20
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\82X040225W.M
Title : SW846 8260
Last Update : Wed Apr 02 03:11:43 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

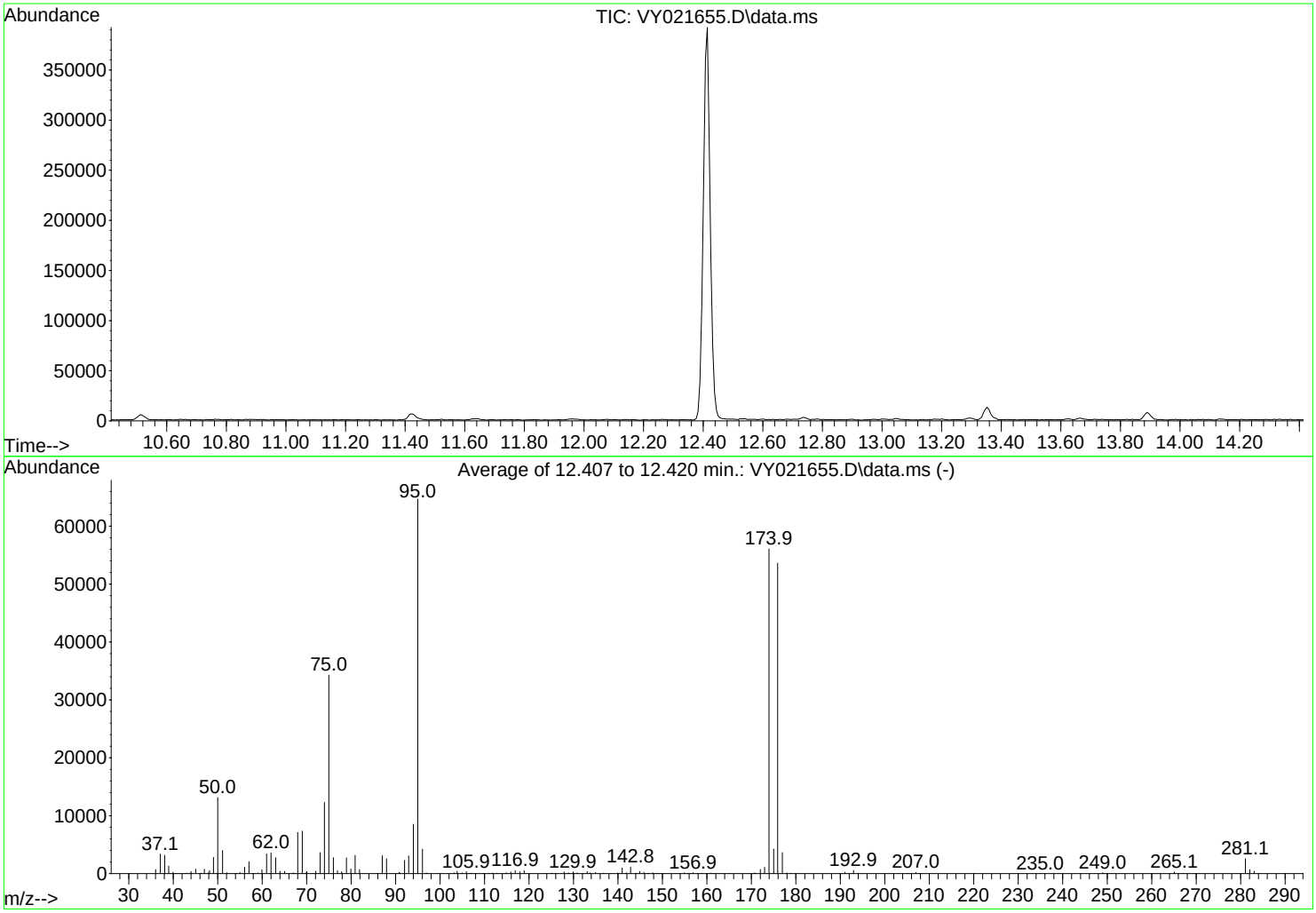
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	5250	PASS
75	95	30	60	57.3	12936	PASS
95	95	100	100	100.0	22563	PASS
96	95	5	9	6.9	1565	PASS
173	174	0.00	2	0.9	134	PASS
174	95	50	100	64.4	14532	PASS
175	174	5	9	7.1	1029	PASS
176	174	95	101	98.3	14284	PASS
177	176	5	9	6.7	956	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
Data File : VY021655.D
Acq On : 27 Mar 2025 09:23
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\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

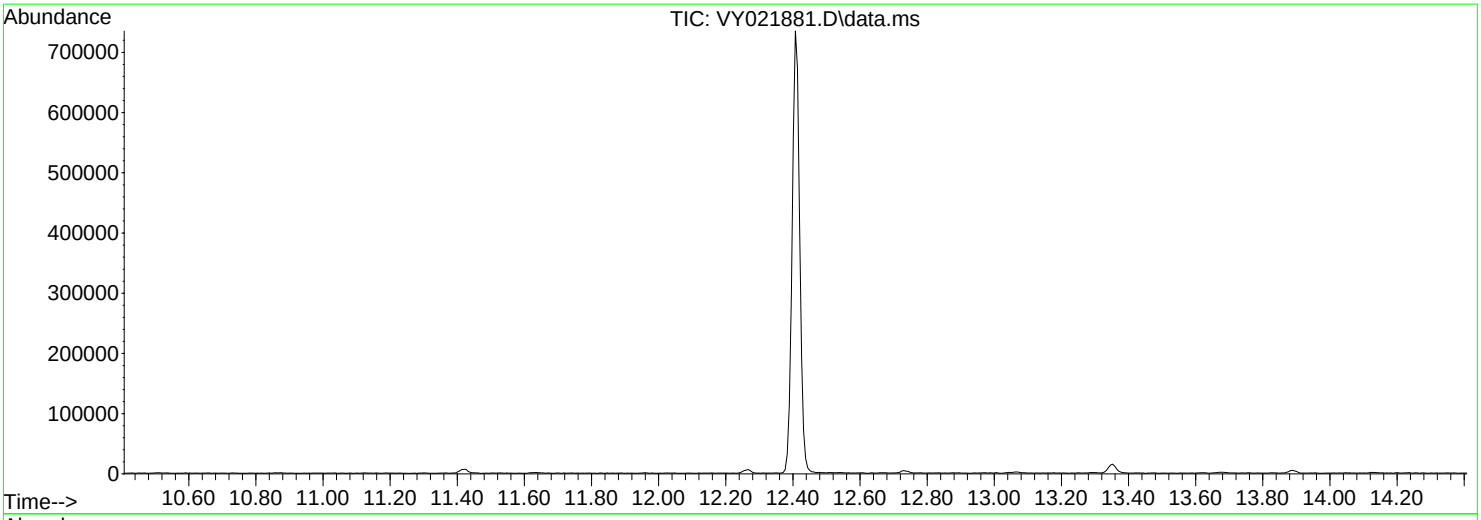
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	13171	PASS
75	95	30	60	53.0	34296	PASS
95	95	100	100	100.0	64701	PASS
96	95	5	9	6.5	4216	PASS
173	174	0.00	2	2.0	1112	PASS
174	95	50	100	86.7	56080	PASS
175	174	5	9	7.6	4256	PASS
176	174	95	101	95.6	53624	PASS
177	176	5	9	6.8	3635	PASS

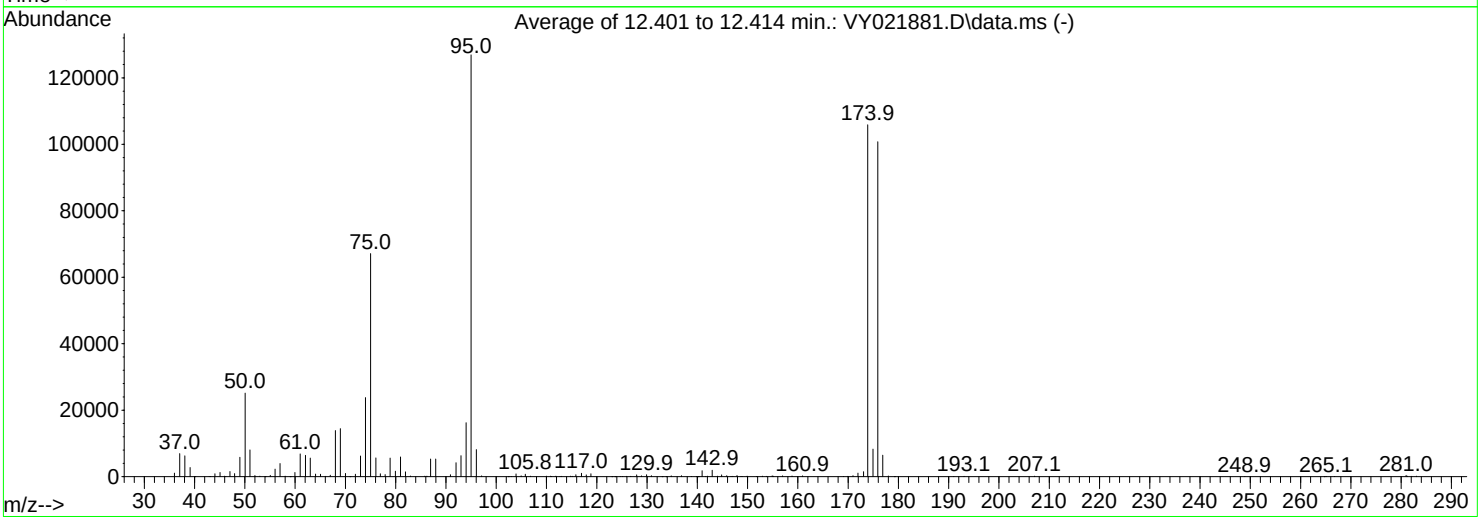
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021881.D
Acq On : 15 Apr 2025 08:33
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Title : SW846 8260
Last Update : Fri Mar 28 02:30:29 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	25117	PASS
75	95	30	60	52.9	67123	PASS
95	95	100	100	100.0	126925	PASS
96	95	5	9	6.4	8125	PASS
173	174	0.00	2	1.4	1494	PASS
174	95	50	100	83.4	105883	PASS
175	174	5	9	7.8	8305	PASS
176	174	95	101	95.2	100765	PASS
177	176	5	9	6.4	6476	PASS

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0411WBL01	SDG No.:	Q1790
Lab Sample ID:	VX0411WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045732.D	1		04/11/25 11:32	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.0		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65600	5.55			
540-36-3	1,4-Difluorobenzene	129000	6.757			
3114-55-4	Chlorobenzene-d5	118000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	48400	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045732.D
Acq On : 11 Apr 2025 11:32
Operator : JC/MD
Sample : VX0411WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Quant Time: Apr 11 23:03:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	65554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128675	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64154	53.515	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.020%			
35) Dibromofluoromethane	5.379	113	46741	51.198	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.400%			
50) Toluene-d8	8.647	98	159396	50.021	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.040%			
62) 4-Bromofluorobenzene	11.079	95	58527	50.424	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.840%			

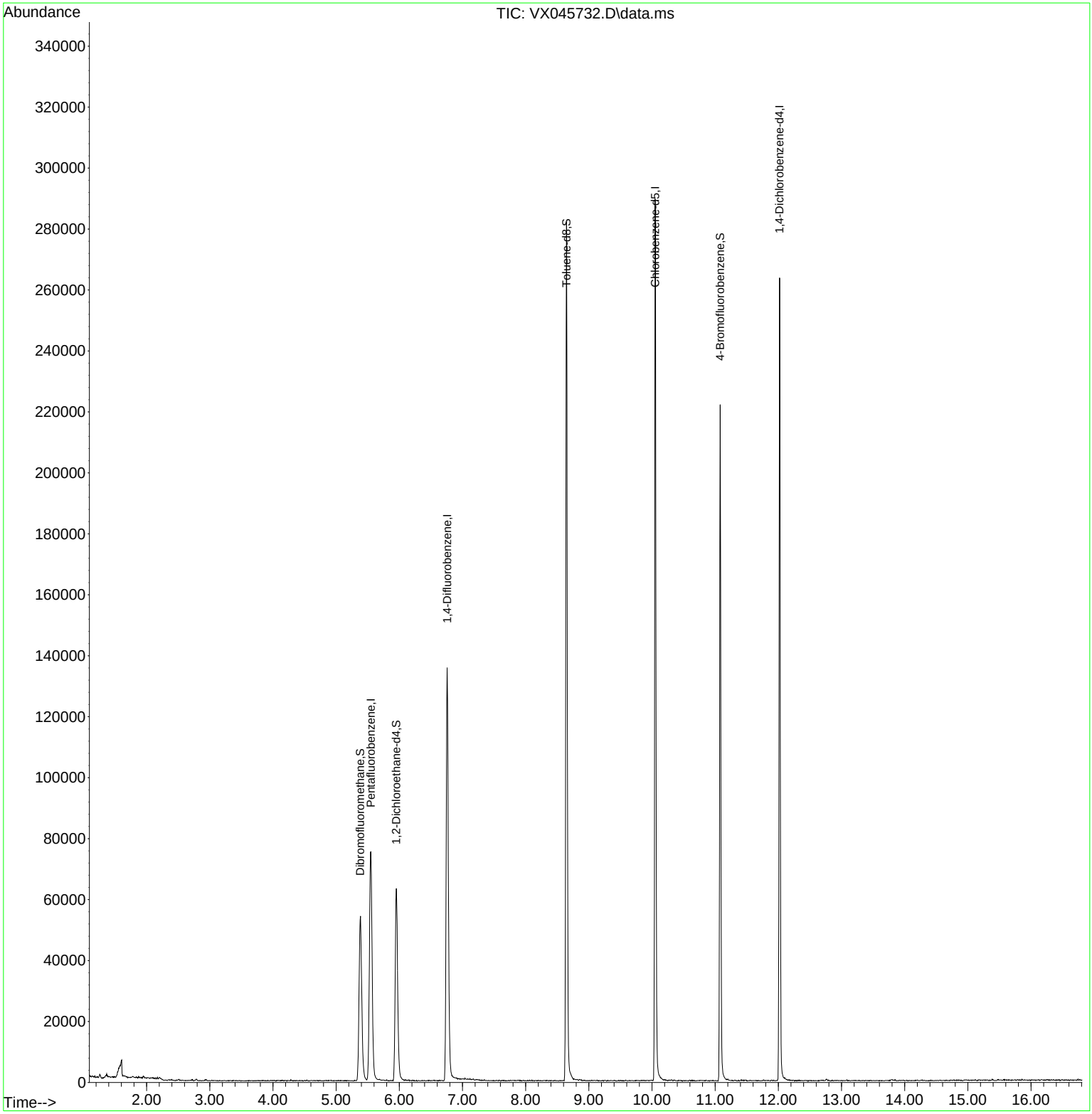
Target Compounds Qvalue

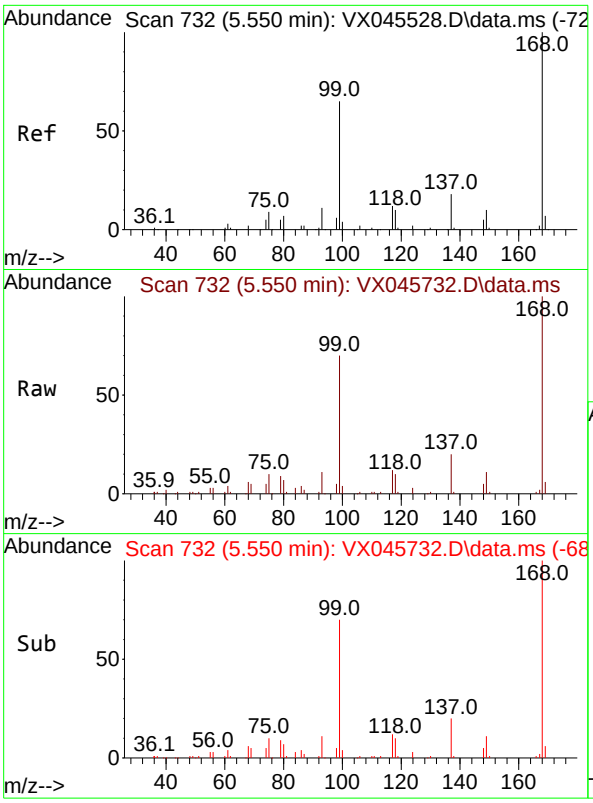
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045732.D
Acq On : 11 Apr 2025 11:32
Operator : JC/MD
Sample : VX0411WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Quant Time: Apr 11 23:03:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



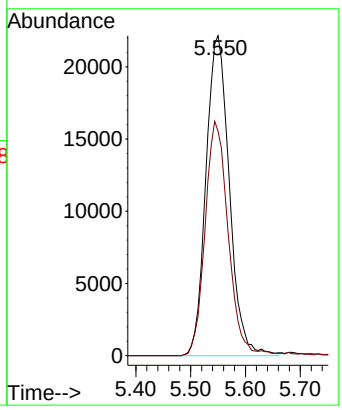


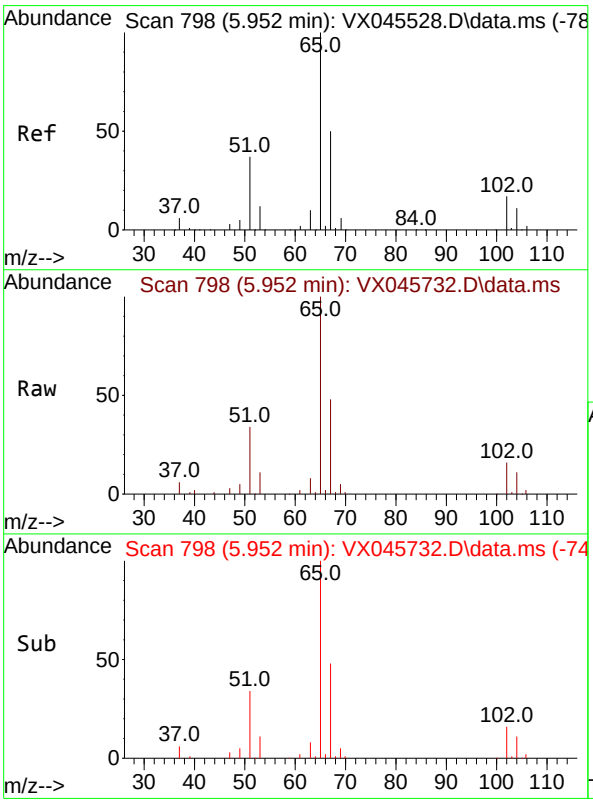
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Tgt Ion:168 Resp: 65554

Ion	Ratio	Lower	Upper
168	100		
99	70.1	52.3	78.5

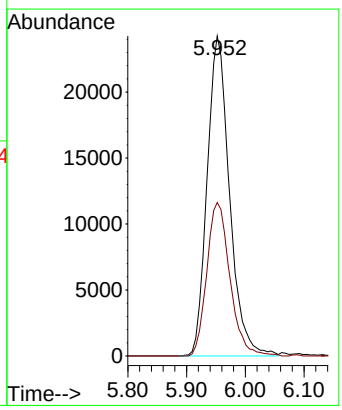


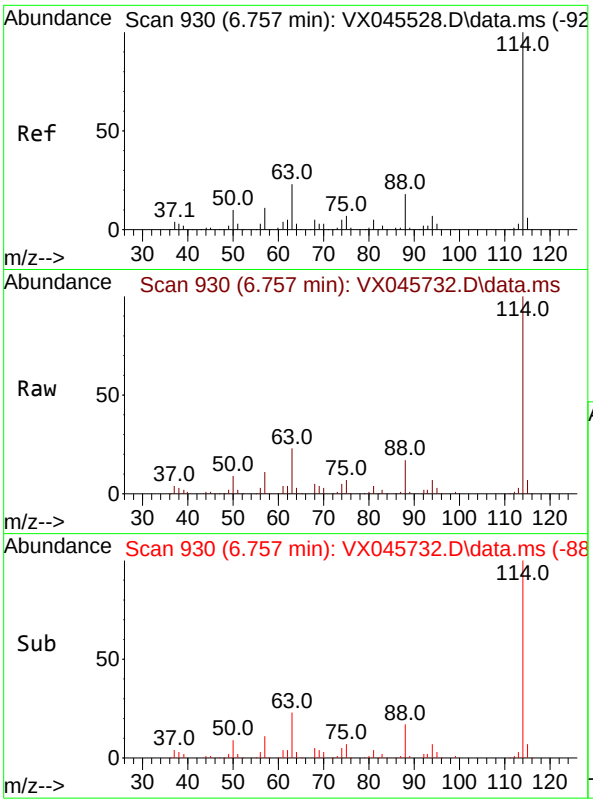


#33
1,2-Dichloroethane-d4
Concen: 53.515 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Tgt Ion: 65 Resp: 64154

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	99.0



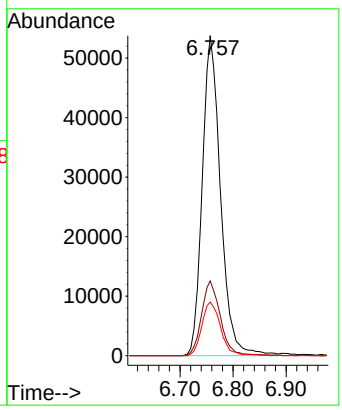


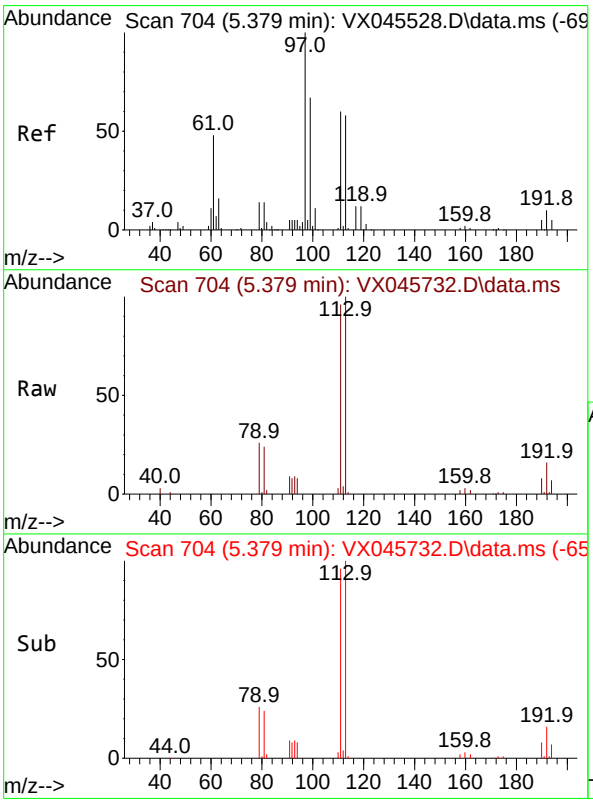
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Tgt Ion:114 Resp: 128675

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.8
88	16.8	0.0	35.4

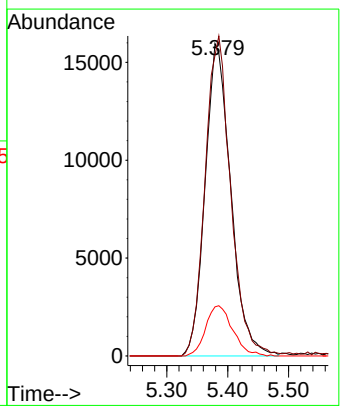


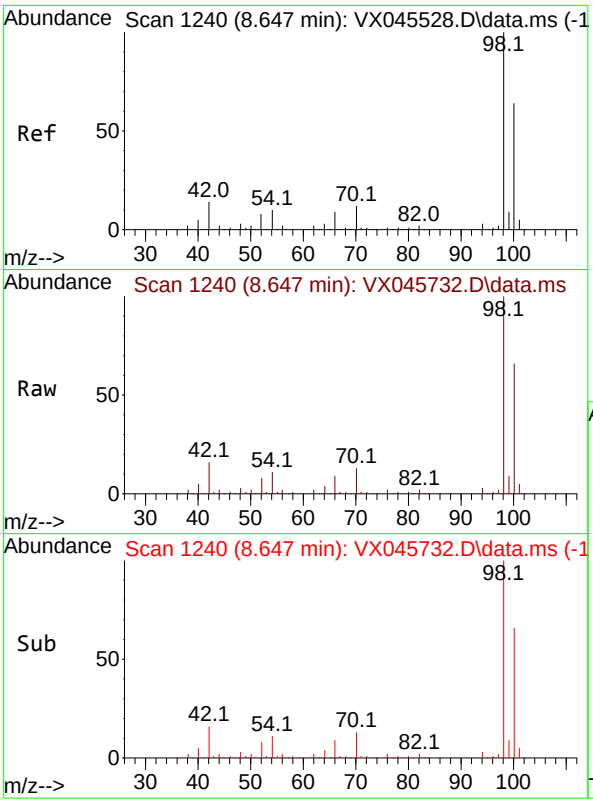


#35
Dibromofluoromethane
Concen: 51.198 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Tgt Ion:113 Resp: 46741

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	16.9	13.8	20.6



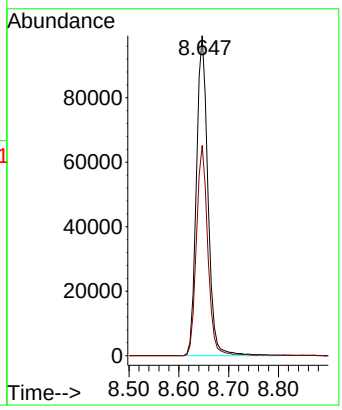


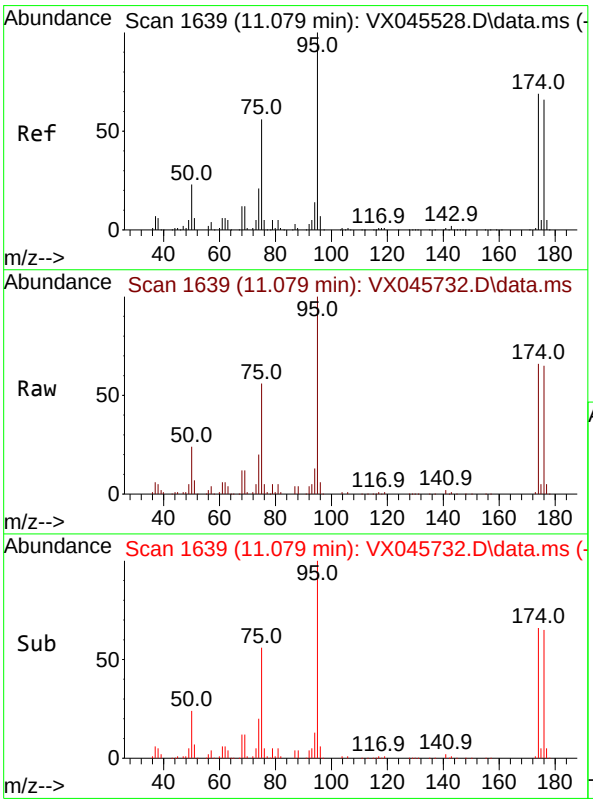
#50
Toluene-d8
Concen: 50.021 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Tgt Ion: 98 Resp: 159396

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.4

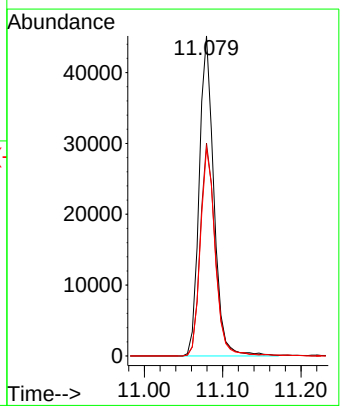


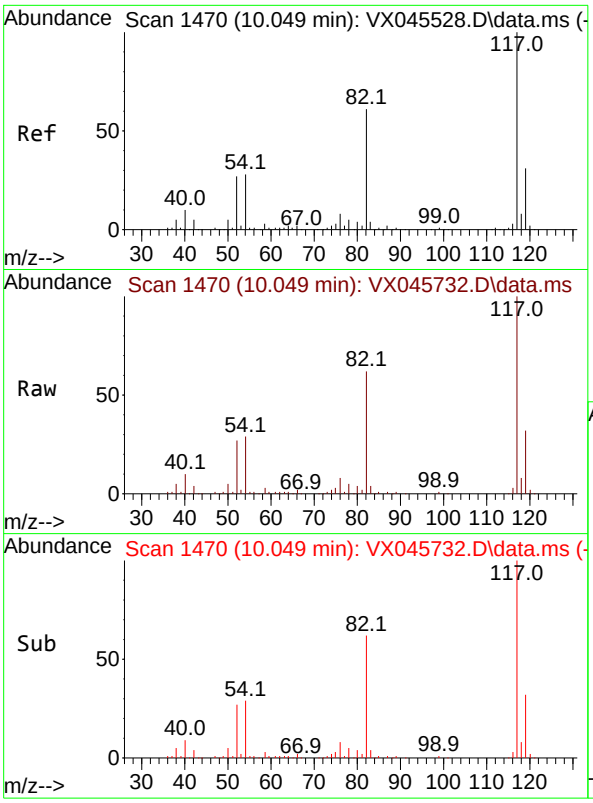


#62
4-Bromofluorobenzene
Concen: 50.424 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Tgt Ion: 95 Resp: 58527

Ion	Ratio	Lower	Upper
95	100		
174	67.8	0.0	135.8
176	65.5	0.0	131.4



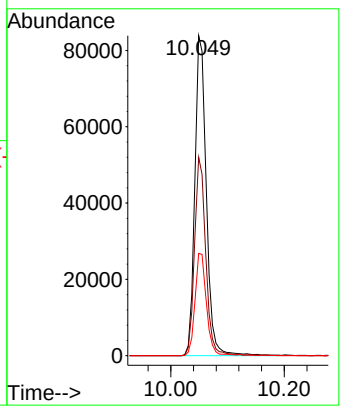


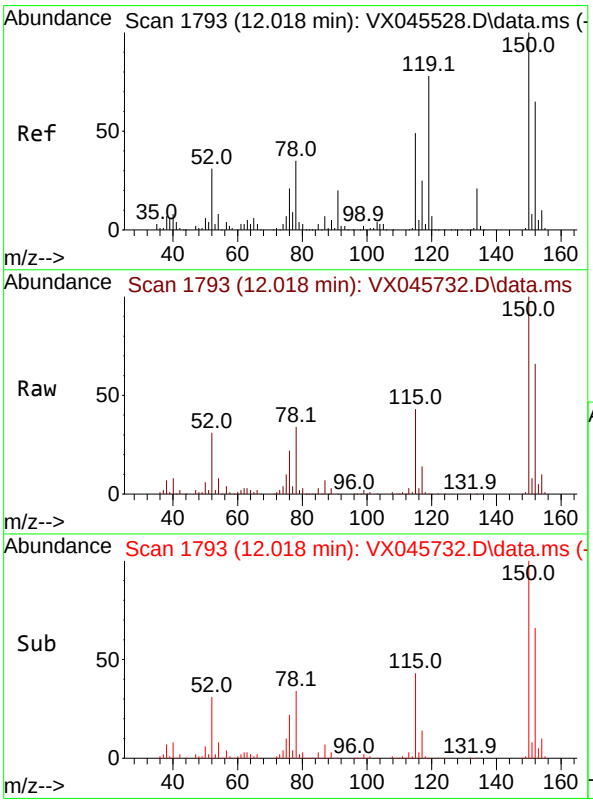
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBL01

Tgt Ion:117 Resp: 118153

Ion	Ratio	Lower	Upper
117	100		
82	62.0	49.2	73.8
119	31.9	25.1	37.7

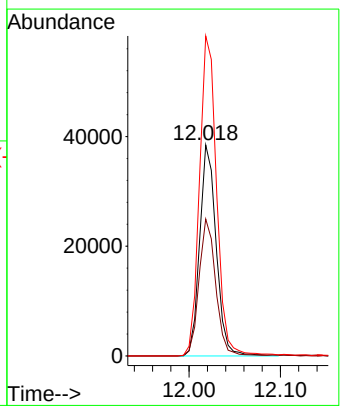




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045732.D
Acq: 11 Apr 2025 11:32

Tgt Ion:152 Resp: 48353

Ion	Ratio	Lower	Upper
152	100		
115	65.6	46.9	140.7
150	157.7	0.0	349.4



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0414MBL01	SDG No.:	Q1790
Lab Sample ID:	VX0414MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group4
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045756.D	1		04/14/25 10:18	VX041425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		63 - 155	109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	50.1		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		38 - 136	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66400	5.544			
540-36-3	1,4-Difluorobenzene	132000	6.757			
3114-55-4	Chlorobenzene-d5	121000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	50800	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045756.D
Acq On : 14 Apr 2025 10:18
Operator : JC/MD
Sample : VX0414MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBL01

Quant Time: Apr 15 01:26:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131663	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	66372	54.627	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.260%			
35) Dibromofluoromethane	5.379	113	46916	50.223	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.440%			
50) Toluene-d8	8.647	98	163386	50.110	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.220%			
62) 4-Bromofluorobenzene	11.079	95	60966	51.333	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.660%			

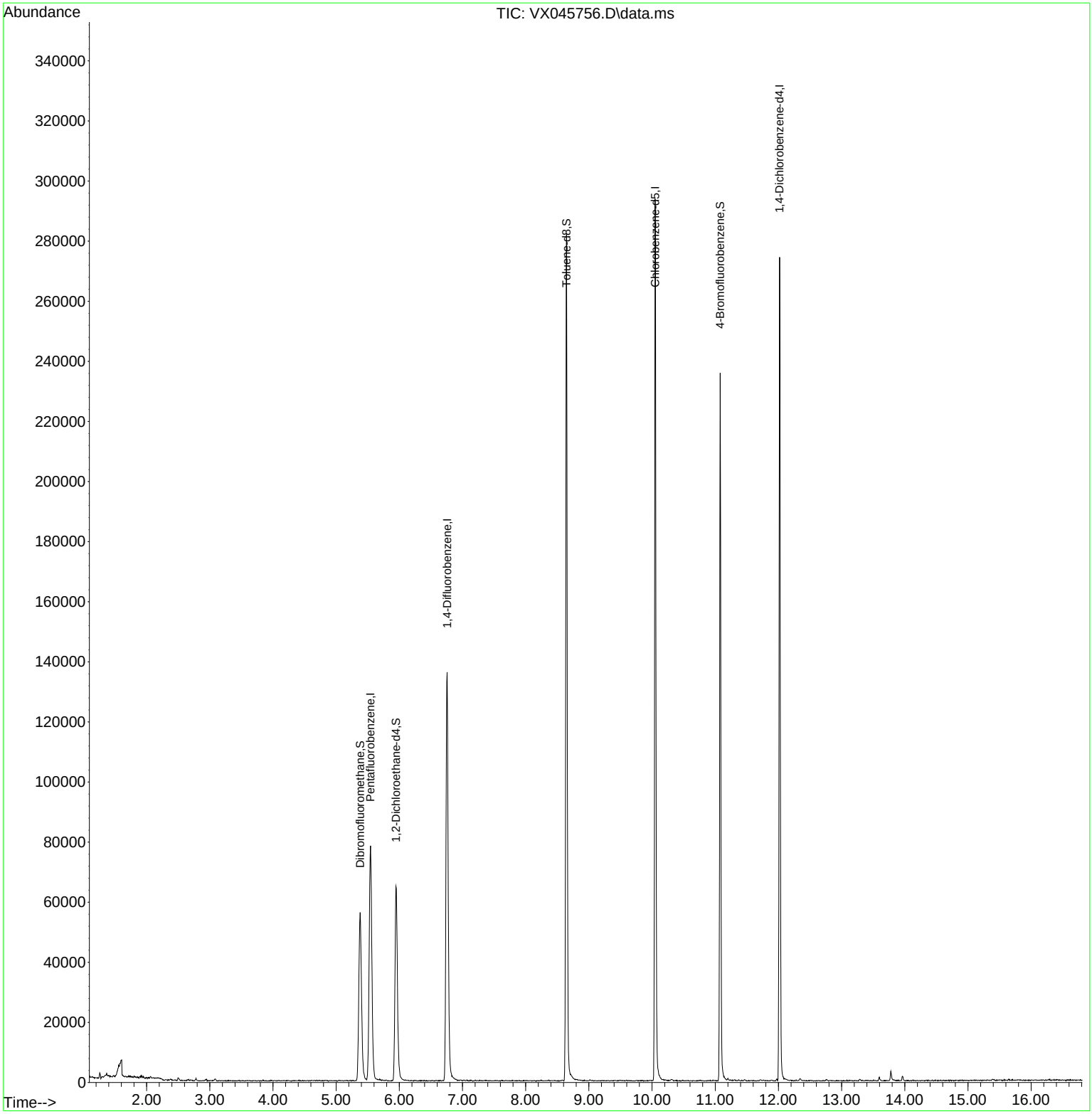
Target Compounds Qvalue

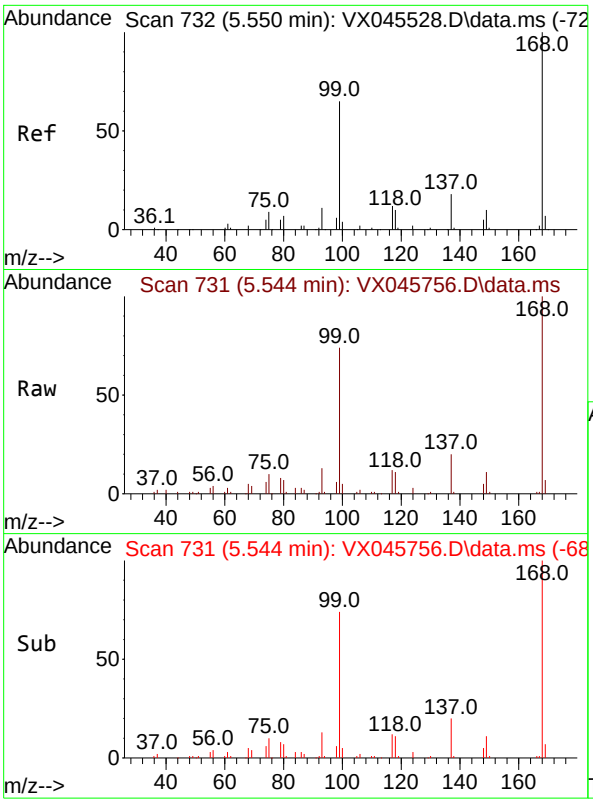
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045756.D
Acq On : 14 Apr 2025 10:18
Operator : JC/MD
Sample : VX0414MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBL01

Quant Time: Apr 15 01:26:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



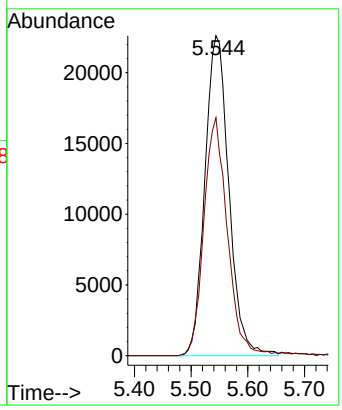


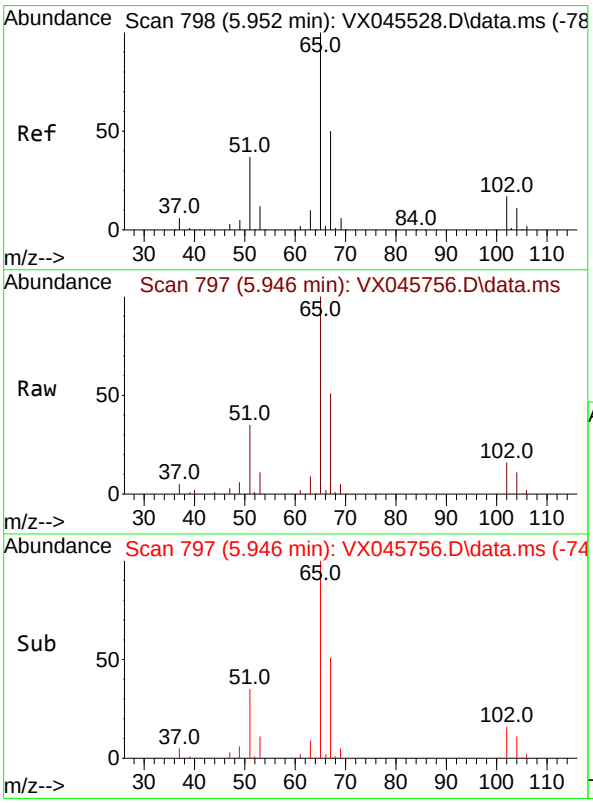
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045756.D
Acq: 14 Apr 2025 10:18

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBL01

Tgt Ion:168 Resp: 66440

Ion	Ratio	Lower	Upper
168	100		
99	74.4	52.3	78.5

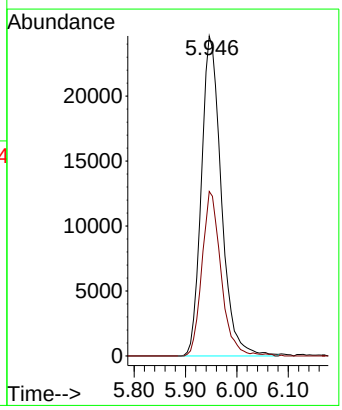


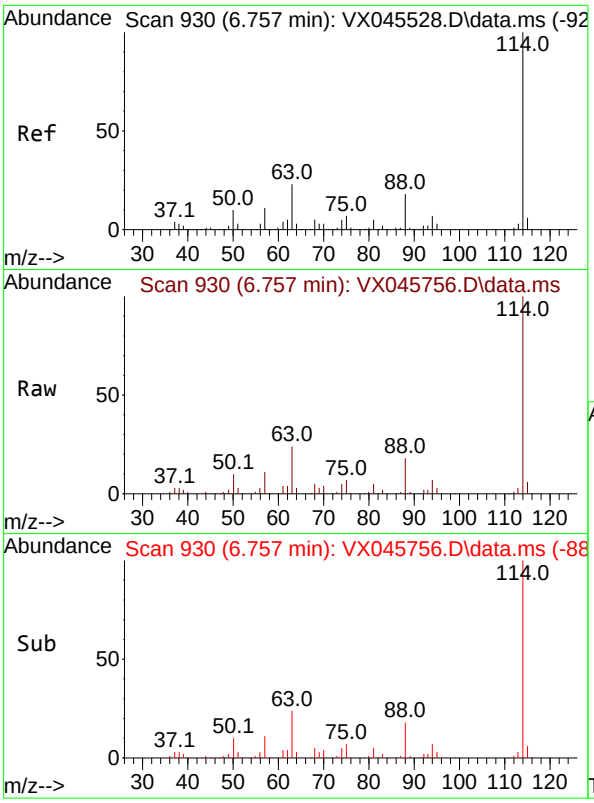


#33
1,2-Dichloroethane-d4
Concen: 54.627 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045756.D
Acq: 14 Apr 2025 10:18

Tgt Ion: 65 Resp: 66372

Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	99.0



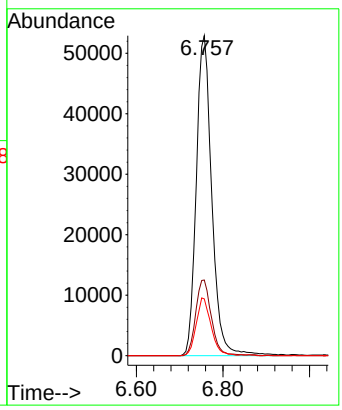


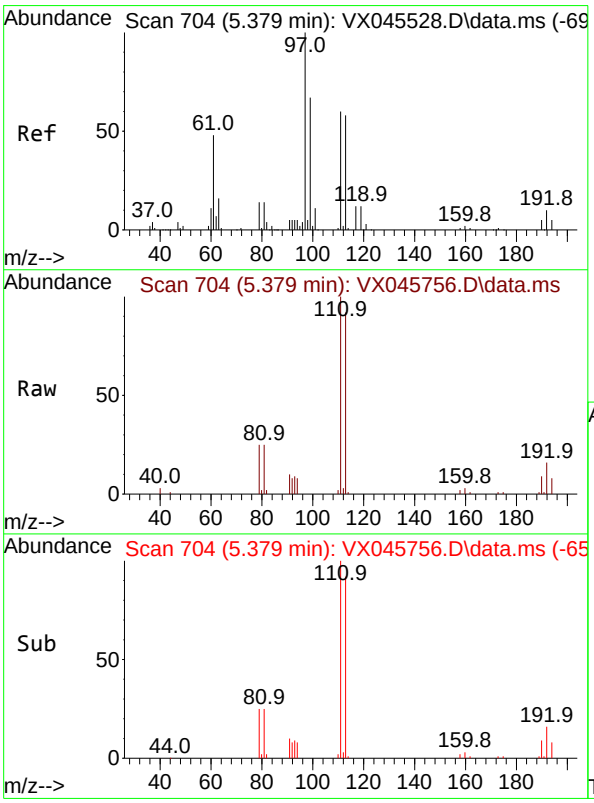
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045756.D
Acq: 14 Apr 2025 10:18

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBL01

Tgt Ion:114 Resp: 131663

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	46.8
88	17.7	0.0	35.4

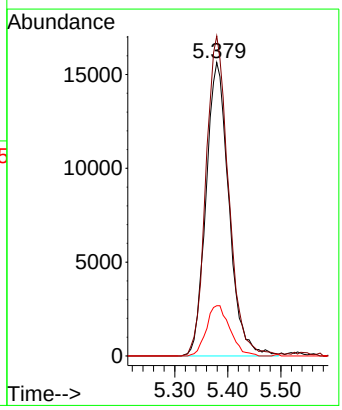


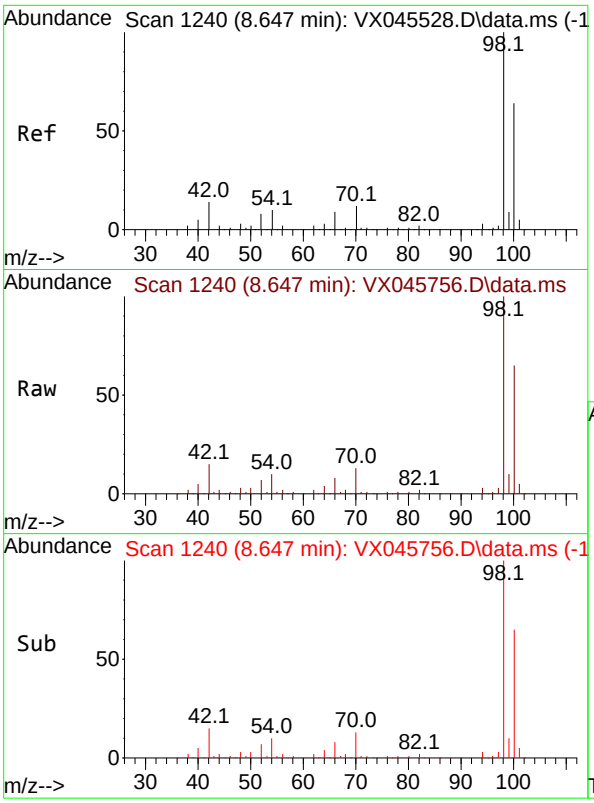


#35
Dibromofluoromethane
Concen: 50.223 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045756.D
Acq: 14 Apr 2025 10:18

Tgt Ion:113 Resp: 46916

Ion	Ratio	Lower	Upper
113	100		
111	108.0	81.8	122.6
192	17.6	13.8	20.6



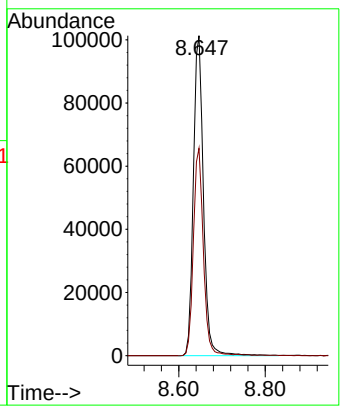


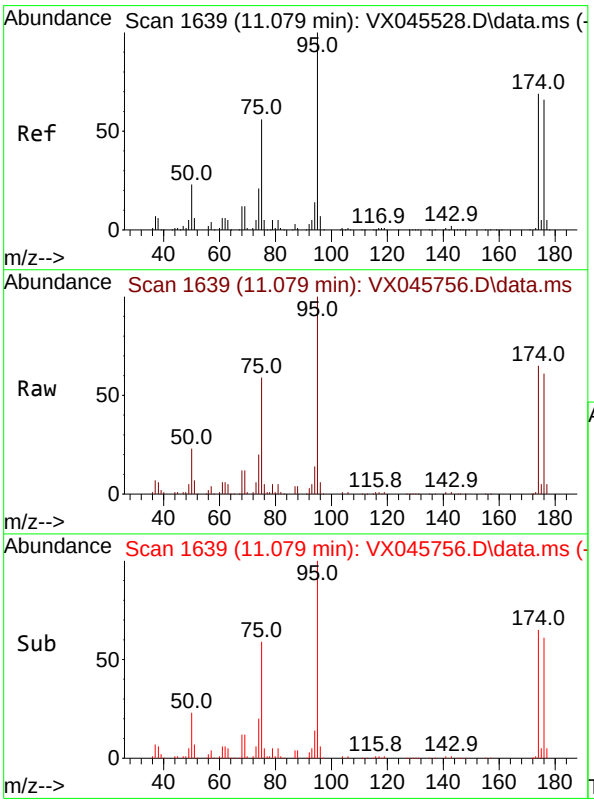
#50
Toluene-d8
Concen: 50.110 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045756.D
Acq: 14 Apr 2025 10:18

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBL01

Tgt Ion: 98 Resp: 163386

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.2	78.4

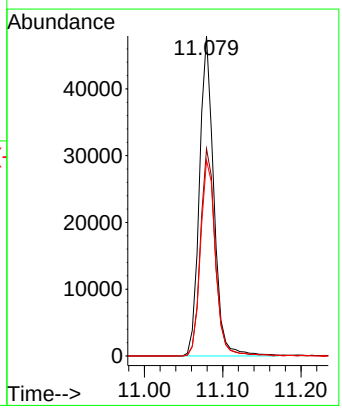


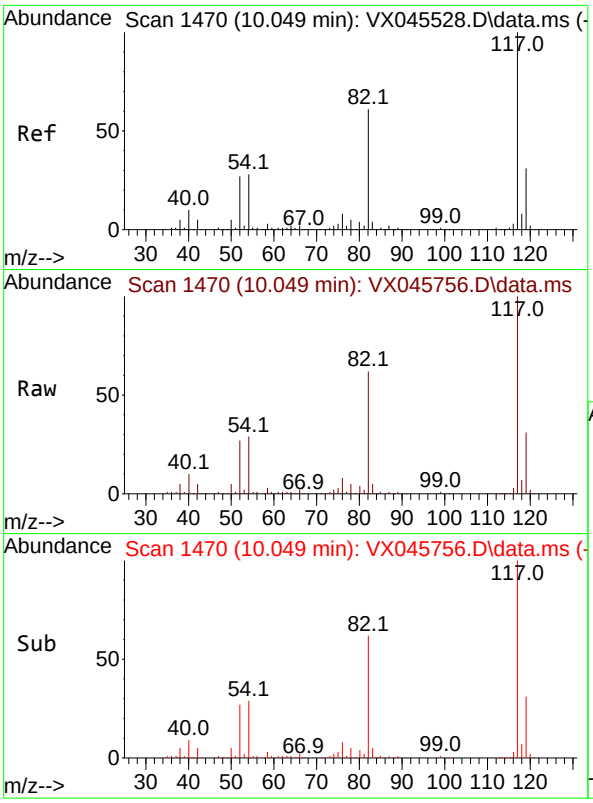


#62
4-Bromofluorobenzene
Concen: 51.333 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045756.D
Acq: 14 Apr 2025 10:18

Tgt Ion: 95 Resp: 60966

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	135.8
176	63.9	0.0	131.4



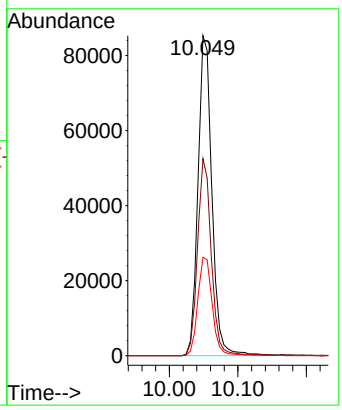


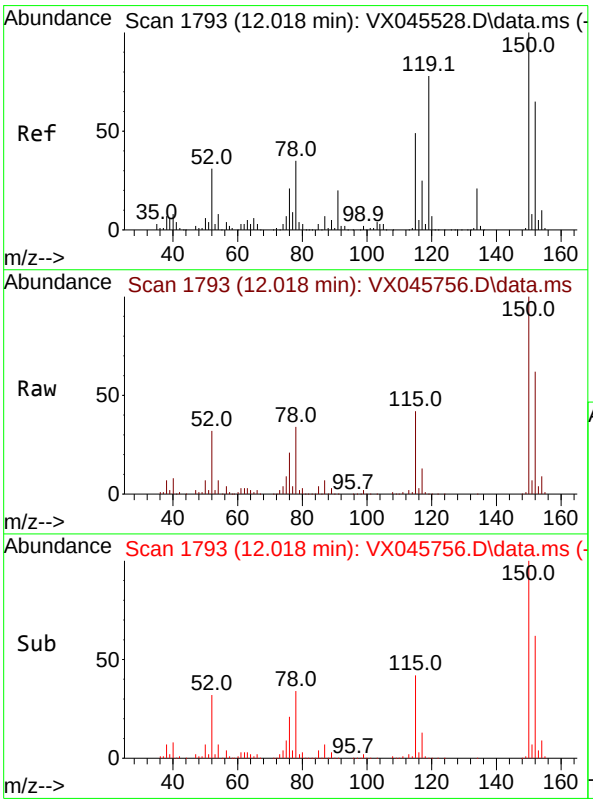
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045756.D
Acq: 14 Apr 2025 10:18

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBL01

Tgt Ion:117 Resp: 120808

Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.2	73.8
119	30.8	25.1	37.7

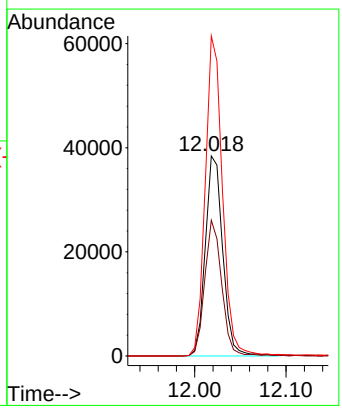




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045756.D
Acq: 14 Apr 2025 10:18

Tgt Ion:152 Resp: 50823

Ion	Ratio	Lower	Upper
152	100		
115	66.0	46.9	140.7
150	157.9	0.0	349.4



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VY0415SBL01	SDG No.:	Q1790
Lab Sample ID:	VY0415SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021883.D	1		04/15/25 09:37	VY041525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.7		63 - 155	89%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	47.5		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.9		38 - 136	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	310000	7.707			
540-36-3	1,4-Difluorobenzene	554000	8.616			
3114-55-4	Chlorobenzene-d5	452000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	164000	13.346			

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\VY041525\
Data File : VY021883.D
Acq On : 15 Apr 2025 09:37
Operator : SY/MD
Sample : VY0415SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBL01

Quant Time: Apr 16 02:59:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	309792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	451920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150094	44.717	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 89.440%			
35) Dibromofluoromethane	7.634	113	174513	48.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.140%			
50) Toluene-d8	10.109	98	649771	47.533	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.060%			
62) 4-Bromofluorobenzene	12.408	95	175312	37.915	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 75.840%			

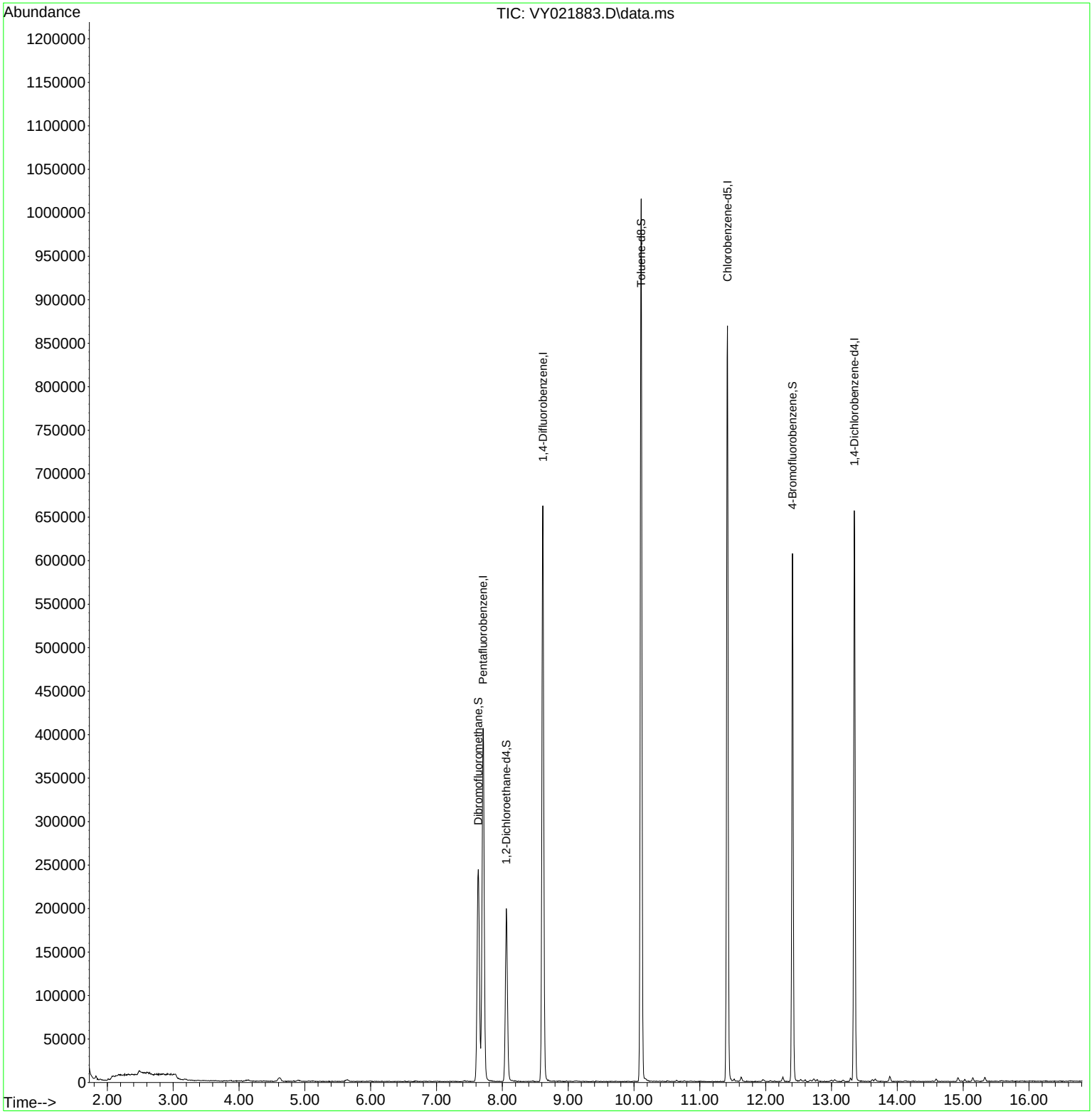
Target Compounds Qvalue

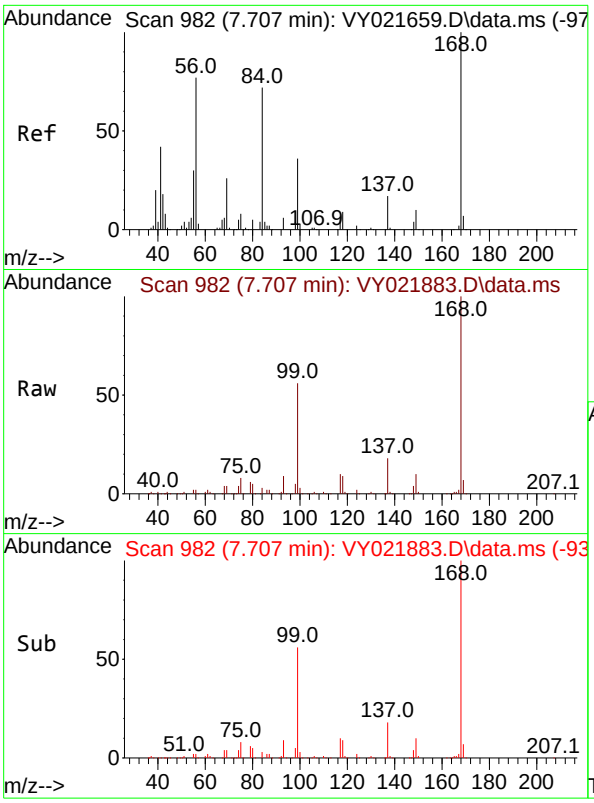
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021883.D
Acq On : 15 Apr 2025 09:37
Operator : SY/MD
Sample : VY0415SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBL01

Quant Time: Apr 16 02:59:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



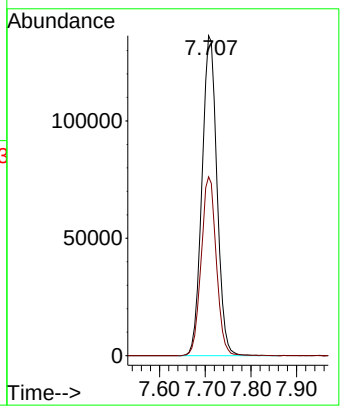


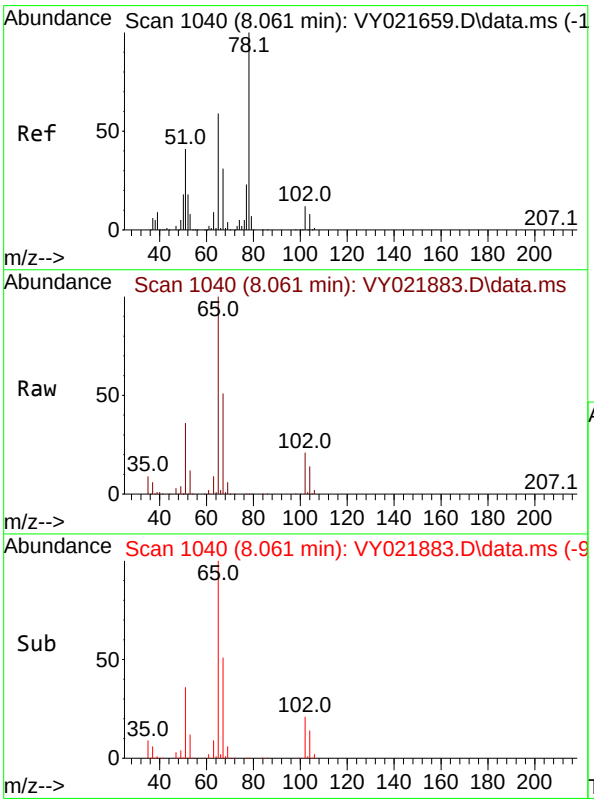
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021883.D
Acq: 15 Apr 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBL01

Tgt Ion:168 Resp: 309792

Ion	Ratio	Lower	Upper
168	100		
99	55.9	46.7	70.1

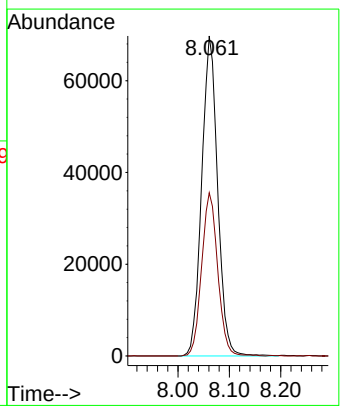


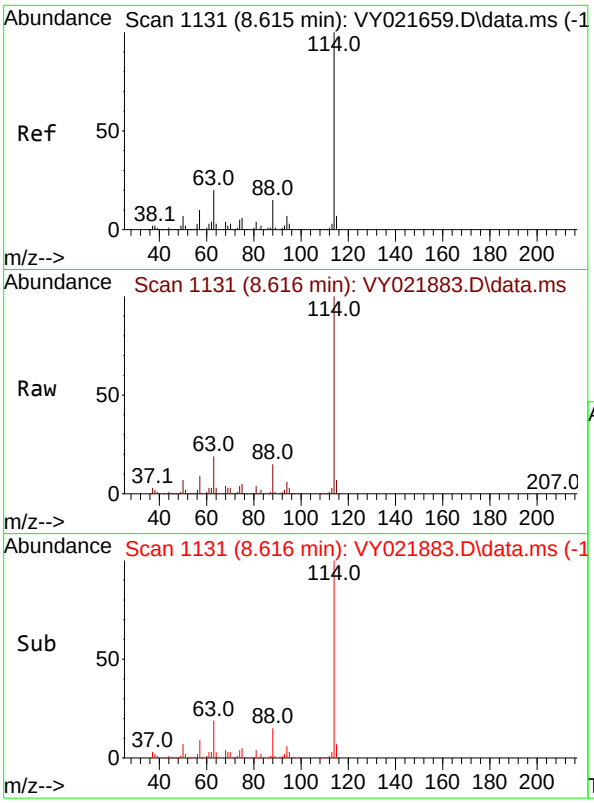


#33
1,2-Dichloroethane-d4
Concen: 44.717 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021883.D
Acq: 15 Apr 2025 09:37

Tgt Ion: 65 Resp: 150094

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.6



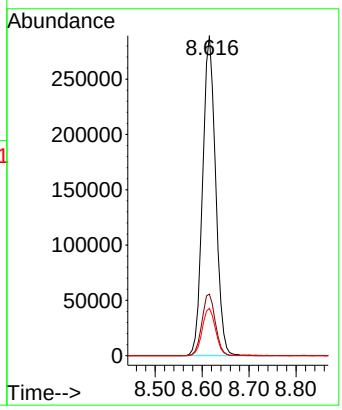


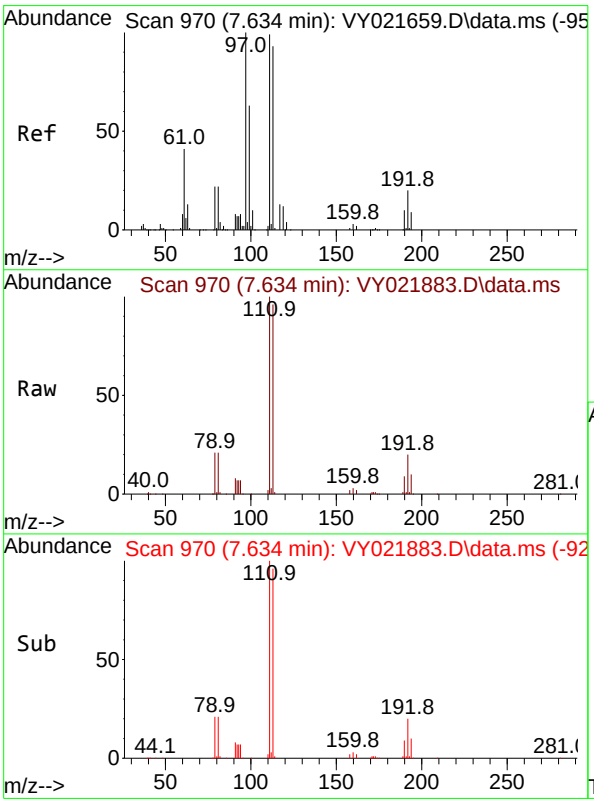
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021883.D
Acq: 15 Apr 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBL01

Tgt Ion:114 Resp: 553930

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	40.2
88	14.8	0.0	29.8

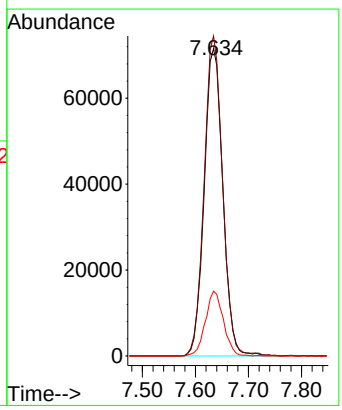


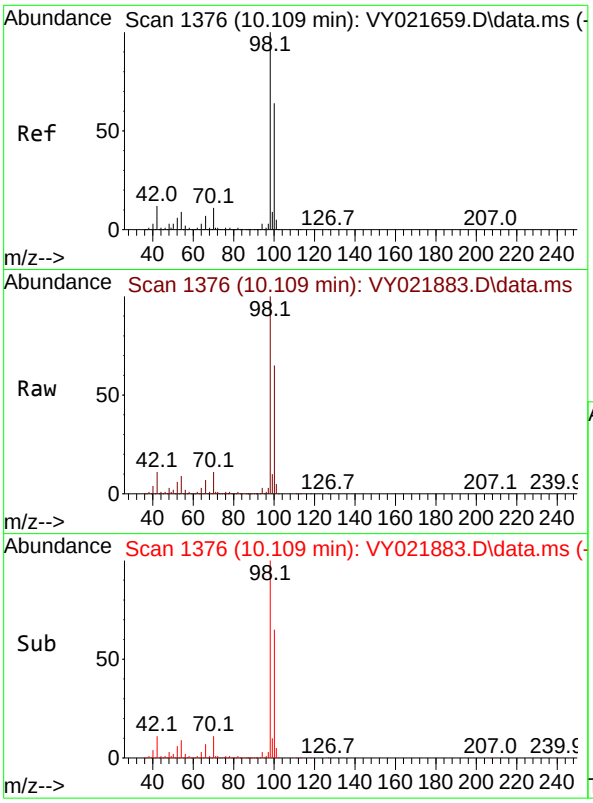


#35
Dibromofluoromethane
Concen: 48.567 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021883.D
Acq: 15 Apr 2025 09:37

Tgt Ion:113 Resp: 174513

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	20.4	16.2	24.4



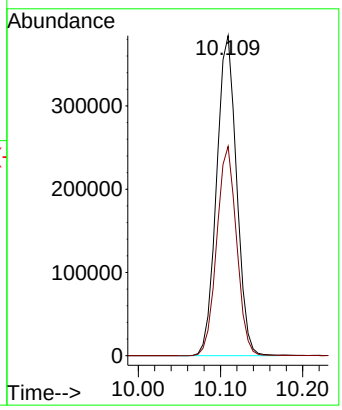


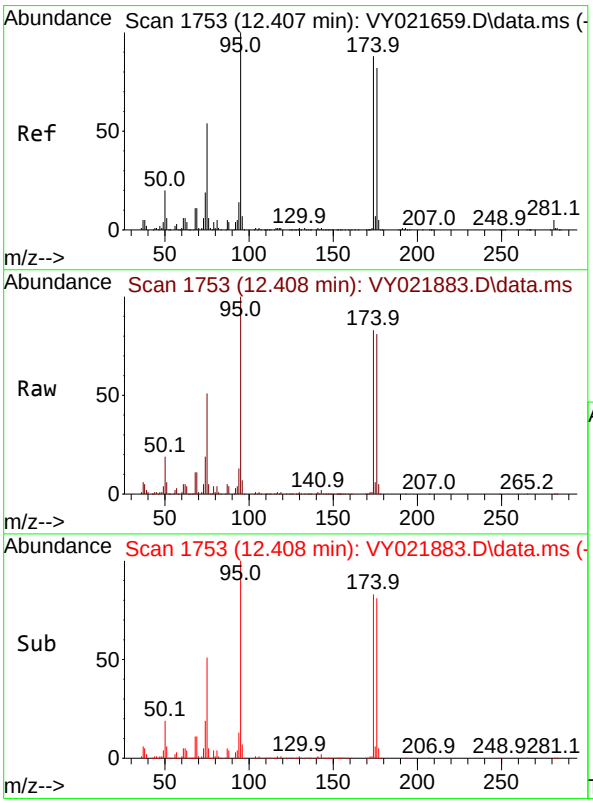
#50
Toluene-d8
Concen: 47.533 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021883.D
Acq: 15 Apr 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBL01

Tgt Ion: 98 Resp: 649771

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

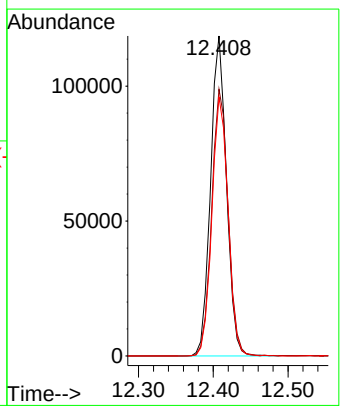


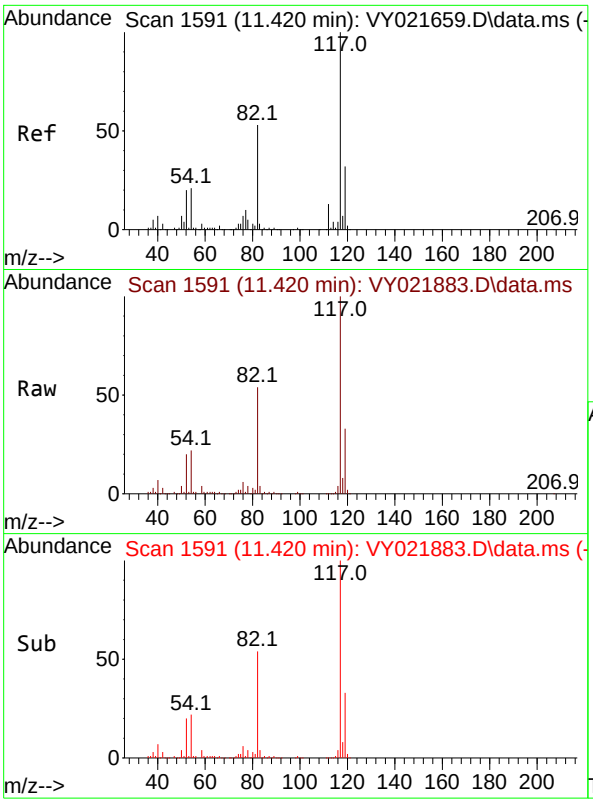


#62
4-Bromofluorobenzene
Concen: 37.915 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021883.D
Acq: 15 Apr 2025 09:37

Tgt Ion: 95 Resp: 175312

Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	170.8
176	82.3	0.0	162.0



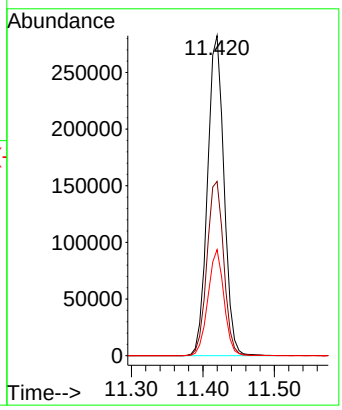


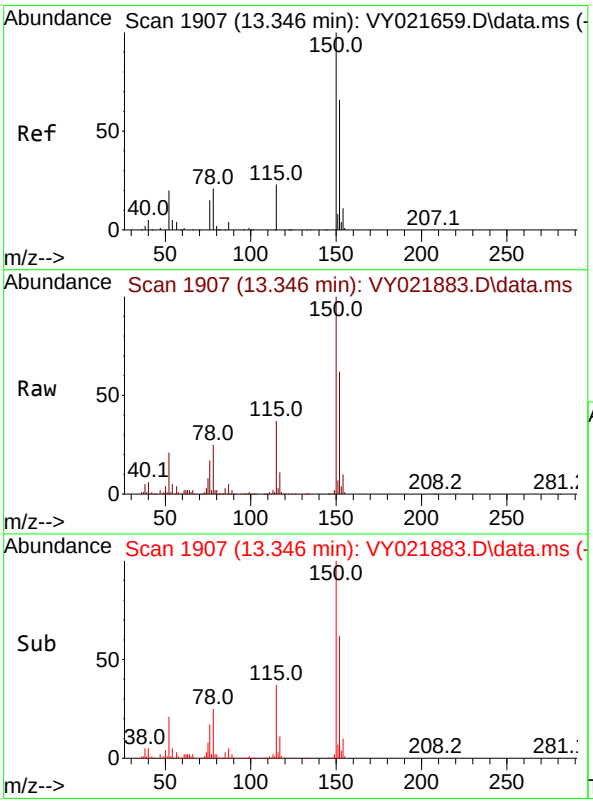
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021883.D
Acq: 15 Apr 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBL01

Tgt Ion:117 Resp: 451920

Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.8	64.2
119	33.1	25.7	38.5

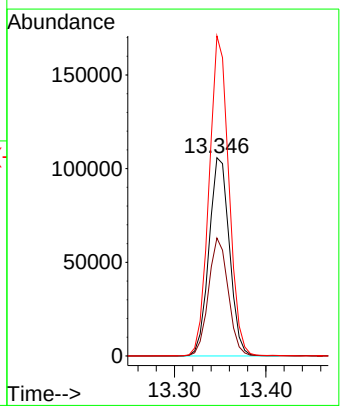




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021883.D
Acq: 15 Apr 2025 09:37

Tgt Ion:152 Resp: 163838

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.8	86.5
150	156.5	0.0	348.4



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0411WBS01	SDG No.:	Q1790
Lab Sample ID:	VX0411WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045733.D	1		04/11/25 11:55	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
79-01-6	Trichloroethene	17.6		0.090	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	49.2		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	92500	5.544			
540-36-3	1,4-Difluorobenzene	164000	6.757			
3114-55-4	Chlorobenzene-d5	141000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	64700	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045733.D
Acq On : 11 Apr 2025 11:55
Operator : JC/MD
Sample : VX0411WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 23:03:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	163903	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85438	50.486	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.980%			
35) Dibromofluoromethane	5.379	113	58904	50.653	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.300%			
50) Toluene-d8	8.647	98	199568	49.167	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.340%			
62) 4-Bromofluorobenzene	11.079	95	74766	50.570	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	26280	18.989	ug/l	99
3) Chloromethane	1.301	50	25029	17.604	ug/l	97
4) Vinyl Chloride	1.374	62	22732	17.471	ug/l	98
5) Bromomethane	1.593	94	10370	16.809	ug/l	97
6) Chloroethane	1.666	64	13051	18.906	ug/l	98
7) Trichlorofluoromethane	1.874	101	35608	18.352	ug/l	98
8) Diethyl Ether	2.130	74	11886	18.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	21099	18.558	ug/l	99
10) Methyl Iodide	2.447	142	22864	16.123	ug/l	96
11) Tert butyl alcohol	2.977	59	22092	97.136	ug/l	100
12) 1,1-Dichloroethene	2.307	96	19635	17.674	ug/l	98
13) Acrolein	2.233	56	28468	90.896	ug/l	99
14) Allyl chloride	2.654	41	38178	18.112	ug/l	98
15) Acrylonitrile	3.063	53	66646	92.831	ug/l	99
16) Acetone	2.386	43	63606	91.531	ug/l	95
17) Carbon Disulfide	2.502	76	39067	14.238	ug/l	98
18) Methyl Acetate	2.703	43	33915	21.198	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	72300	18.604	ug/l	99
20) Methylene Chloride	2.782	84	23691	18.210	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	20427	17.998	ug/l	97
22) Diisopropyl ether	3.764	45	77857	18.751	ug/l	93
23) Vinyl Acetate	3.721	43	331007	92.267	ug/l	100
24) 1,1-Dichloroethane	3.605	63	42626	18.152	ug/l	98
25) 2-Butanone	4.556	43	97238	95.593	ug/l	98
26) 2,2-Dichloropropane	4.471	77	30907	20.371	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24956	18.048	ug/l	97
28) Bromochloromethane	4.891	49	27754	24.458	ug/l	99
29) Tetrahydrofuran	5.007	42	61195	92.791	ug/l	99
30) Chloroform	5.087	83	44128	18.263	ug/l	96
31) Cyclohexane	5.458	56	35674	17.184	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	37994	18.583	ug/l	100
36) 1,1-Dichloropropene	5.684	75	27539	17.539	ug/l	99
37) Ethyl Acetate	4.715	43	35996	18.192	ug/l	100
38) Carbon Tetrachloride	5.672	117	31597	18.620	ug/l	98
39) Methylcyclohexane	7.379	83	34358	17.851	ug/l	96
40) Benzene	6.031	78	86923	18.126	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045733.D
Acq On : 11 Apr 2025 11:55
Operator : JC/MD
Sample : VX0411WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 23:03:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	19757	18.924	ug/l		98
42) 1,2-Dichloroethane	6.086	62	38345	19.360	ug/l		100
43) Isopropyl Acetate	6.342	43	56572	18.864	ug/l		99
44) Trichloroethene	7.123	130	20087	17.624	ug/l		89
45) 1,2-Dichloropropane	7.428	63	22348	18.678	ug/l		92
46) Dibromomethane	7.580	93	17027	18.538	ug/l		98
47) Bromodichloromethane	7.818	83	33605	18.321	ug/l		99
48) Methyl methacrylate	7.696	41	29328	18.940	ug/l		99
49) 1,4-Dioxane	7.659	88	11671	416.596	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	195382	98.277	ug/l		100
52) Toluene	8.714	92	52911	18.235	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	28172	17.529	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	32748	18.999	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	21867	18.911	ug/l		94
56) Ethyl methacrylate	9.116	69	34930	19.520	ug/l		99
57) 1,3-Dichloropropane	9.305	76	39057	19.398	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	93610	103.408	ug/l		100
59) 2-Hexanone	9.427	43	148152	100.631	ug/l		98
60) Dibromochloromethane	9.519	129	23294	18.479	ug/l		98
61) 1,2-Dibromoethane	9.610	107	21821	18.642	ug/l		100
64) Tetrachloroethene	9.269	164	19066	19.167	ug/l		98
65) Chlorobenzene	10.073	112	57085	18.962	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	19355	18.518	ug/l		98
67) Ethyl Benzene	10.189	91	102213	18.957	ug/l		98
68) m/p-Xylenes	10.299	106	73917	37.692	ug/l		97
69) o-Xylene	10.640	106	36919	19.111	ug/l		95
70) Styrene	10.653	104	61692	19.348	ug/l		98
71) Bromoform	10.799	173	13988	17.924	ug/l	#	97
73) Isopropylbenzene	10.957	105	98461	18.994	ug/l		99
74) N-amyl acetate	10.842	43	49056	19.784	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35200	19.330	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	30476m	19.306	ug/l		
77) Bromobenzene	11.195	156	22387	18.691	ug/l		97
78) n-propylbenzene	11.299	91	114109	19.111	ug/l		98
79) 2-Chlorotoluene	11.360	91	72587	19.016	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	82627	19.276	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8026	17.256	ug/l		93
82) 4-Chlorotoluene	11.451	91	80441	18.901	ug/l		99
83) tert-Butylbenzene	11.713	119	81916	19.303	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	83790	19.476	ug/l		99
85) sec-Butylbenzene	11.890	105	100614	19.303	ug/l		100
86) p-Isopropyltoluene	12.006	119	82019	19.086	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	41097	18.850	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	42067	19.032	ug/l		98
89) n-Butylbenzene	12.329	91	69149	18.556	ug/l		99
90) Hexachloroethane	12.536	117	13478	18.250	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	41989	19.371	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7494	19.678	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	22029	18.258	ug/l		98
94) Hexachlorobutadiene	13.725	225	9827	18.901	ug/l		98
95) Naphthalene	13.774	128	86221	19.203	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	23835	18.866	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045733.D
Acq On : 11 Apr 2025 11:55
Operator : JC/MD
Sample : VX0411WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 23:03:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

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

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

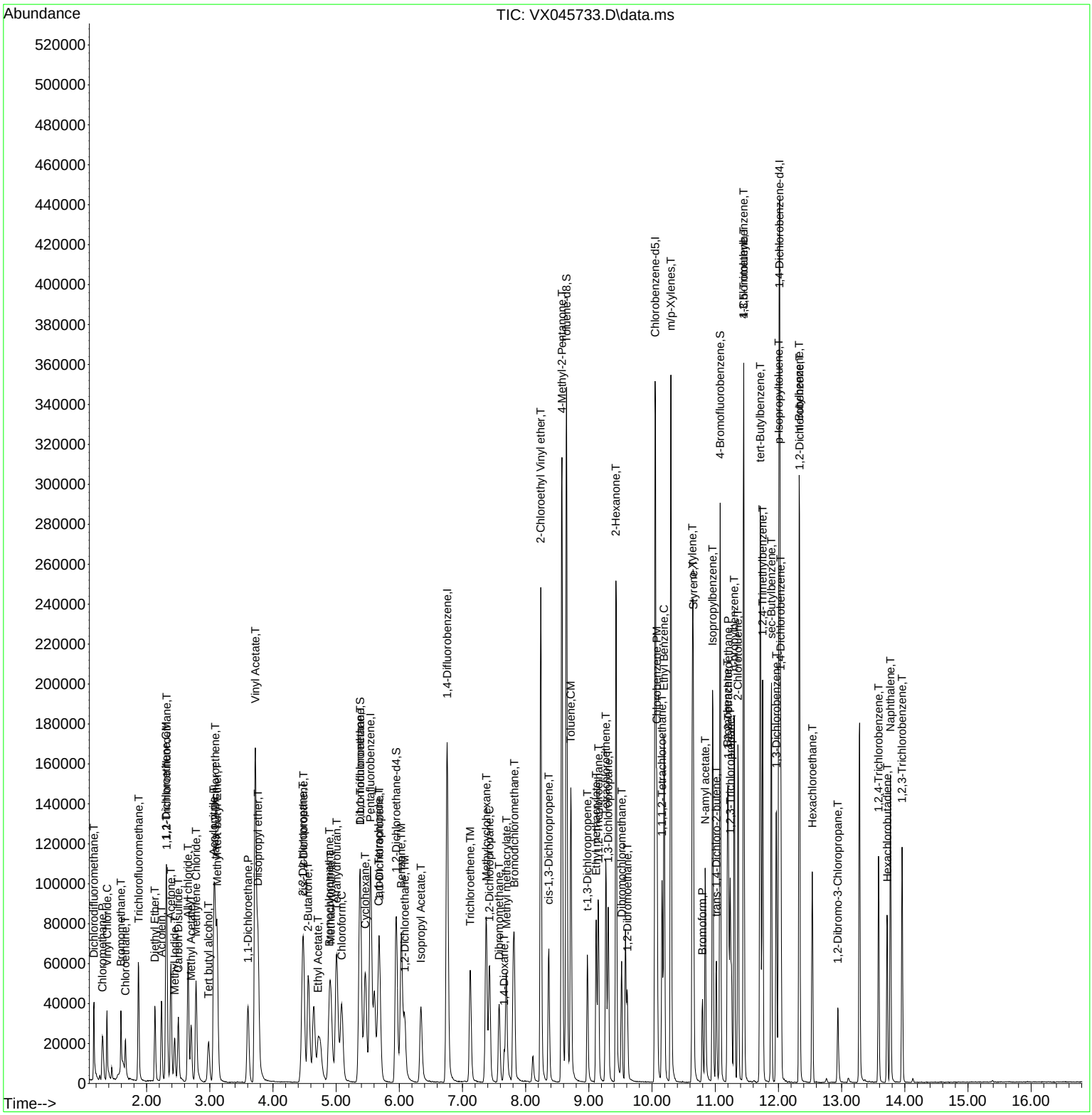
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Data File : VX045733.D
Acq On : 11 Apr 2025 11:55
Operator : JC/MD
Sample : VX0411WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

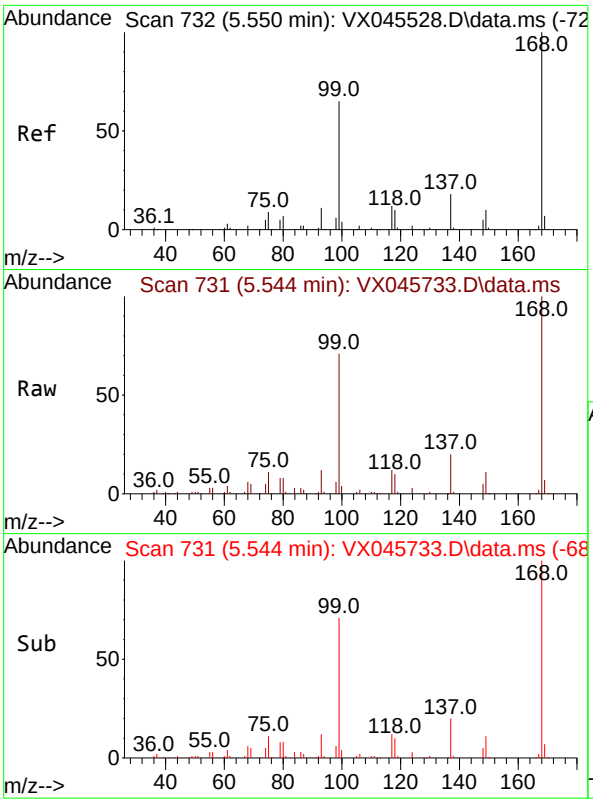
Quant Time: Apr 11 23:03:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

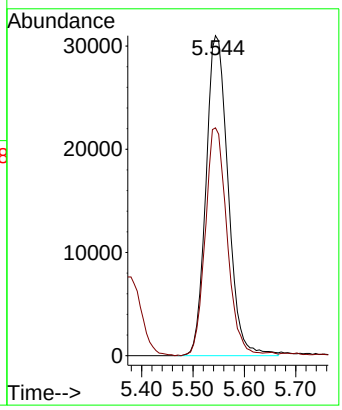




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:168 Resp: 9254

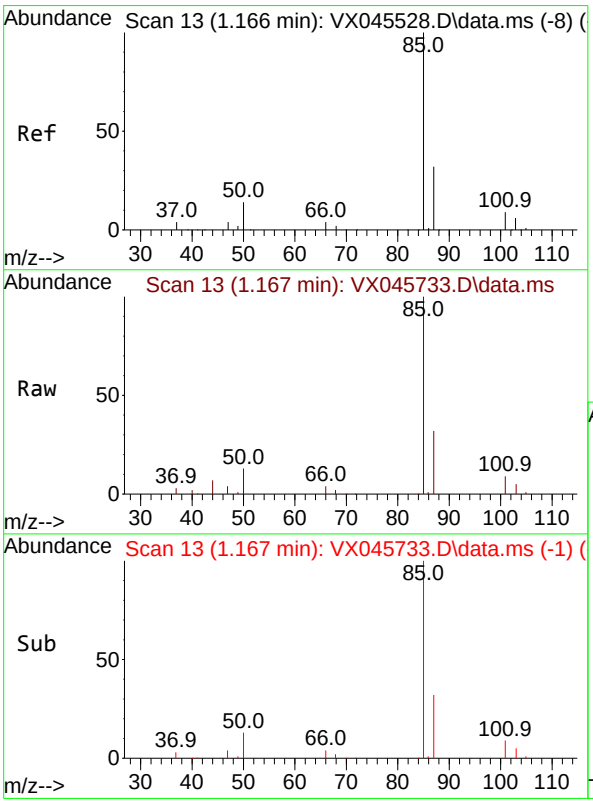
Ion	Ratio	Lower	Upper
168	100		
99	71.0	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

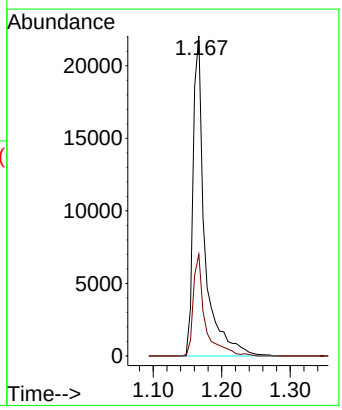
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

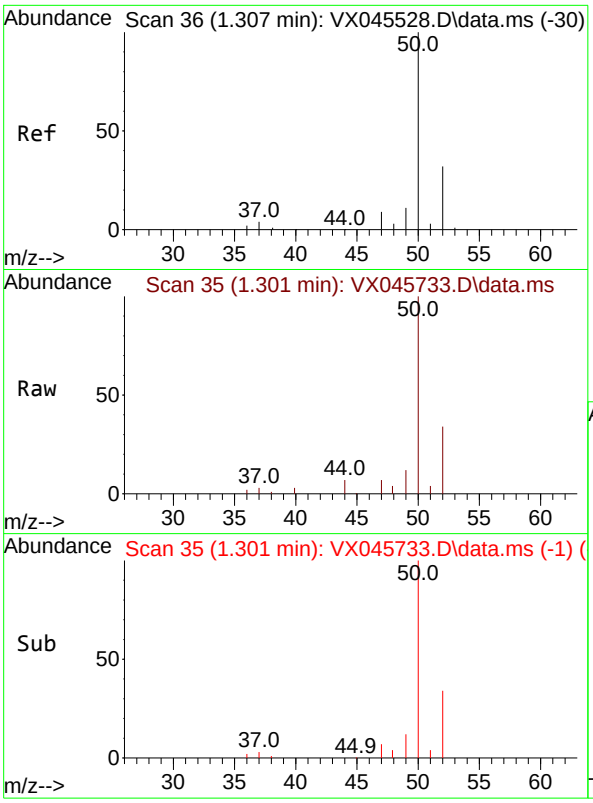


#2
Dichlorodifluoromethane
Concen: 18.989 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 85 Resp: 26280

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.1	48.2

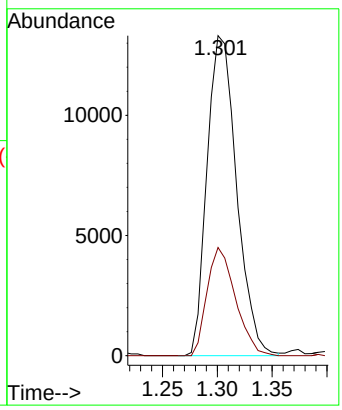




#3
Chloromethane
Concen: 17.604 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 50 Resp: 2502

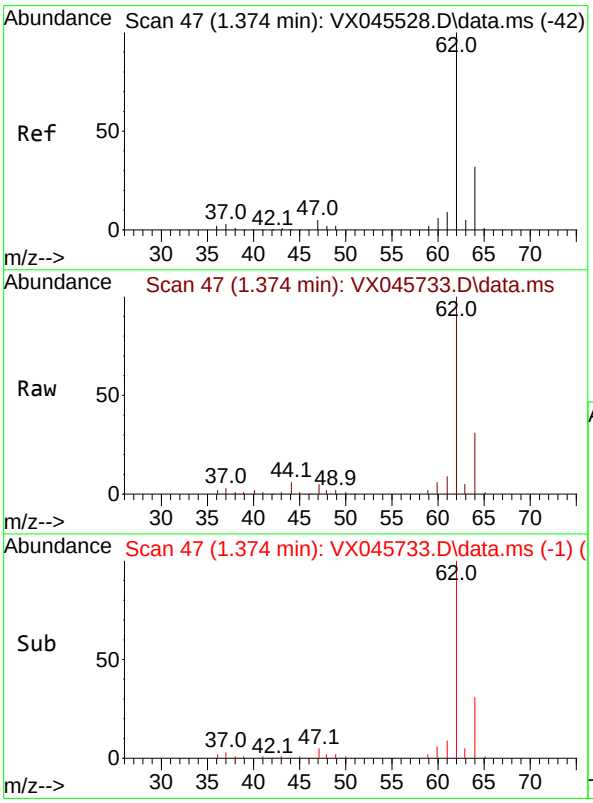
Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

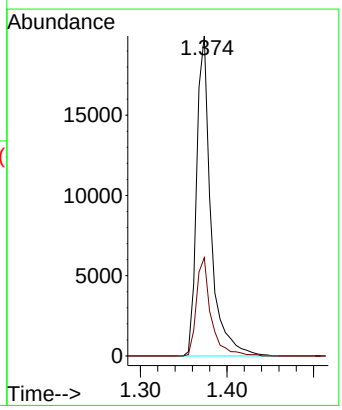
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

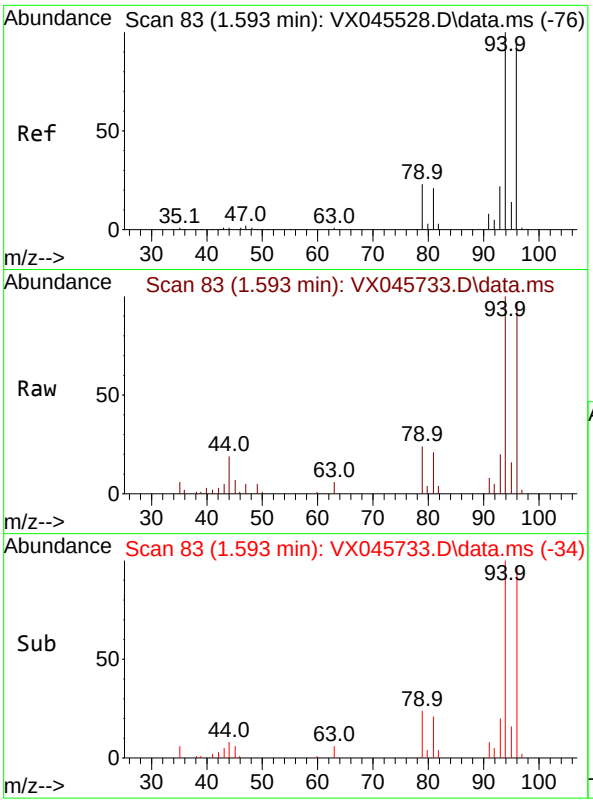


#4
Vinyl Chloride
Concen: 17.471 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 62 Resp: 22732

Ion	Ratio	Lower	Upper
62	100		
64	30.7	25.5	38.3

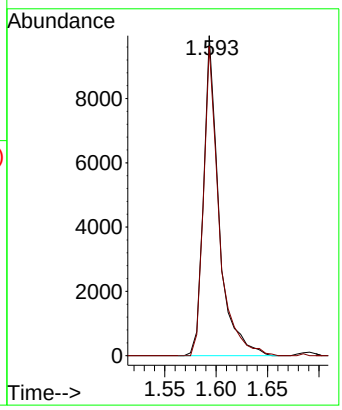




#5
Bromomethane
Concen: 16.809 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 94 Resp: 1037

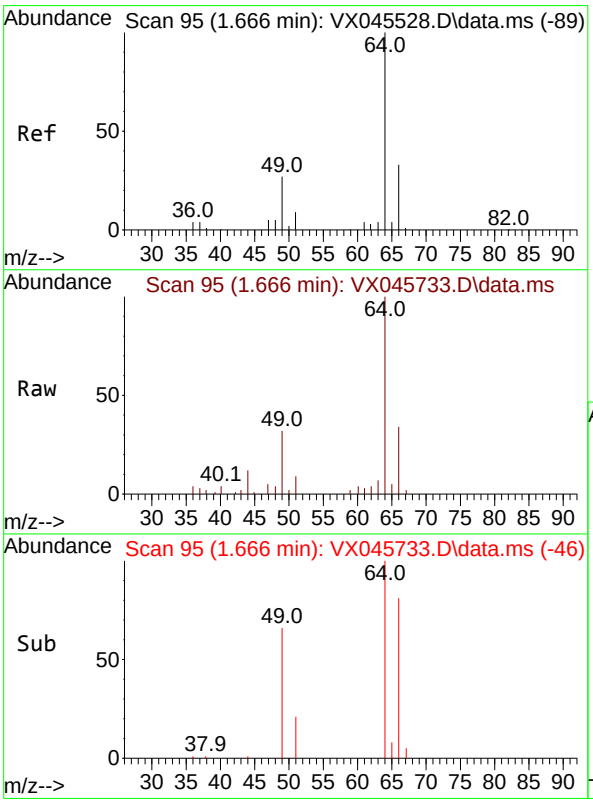
Ion	Ratio	Lower	Upper
94	100		
96	96.7	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

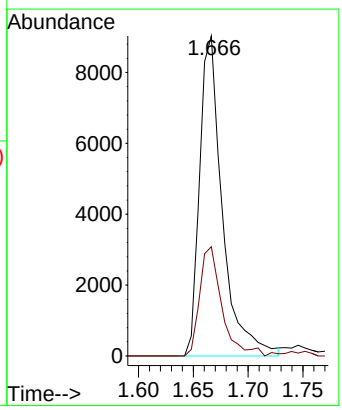
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

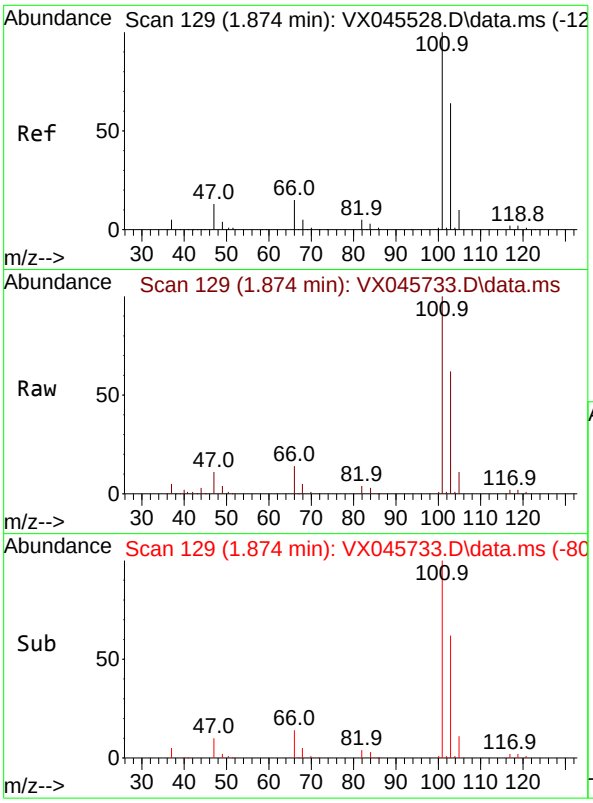


#6
Chloroethane
Concen: 18.906 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 64 Resp: 13051

Ion	Ratio	Lower	Upper
64	100		
66	34.1	26.3	39.5





#7
Trichlorofluoromethane
Concen: 18.352 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

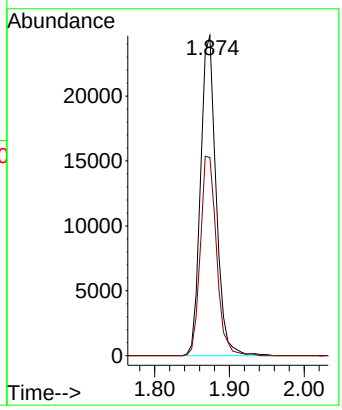
Tgt Ion:101 Resp: 3560

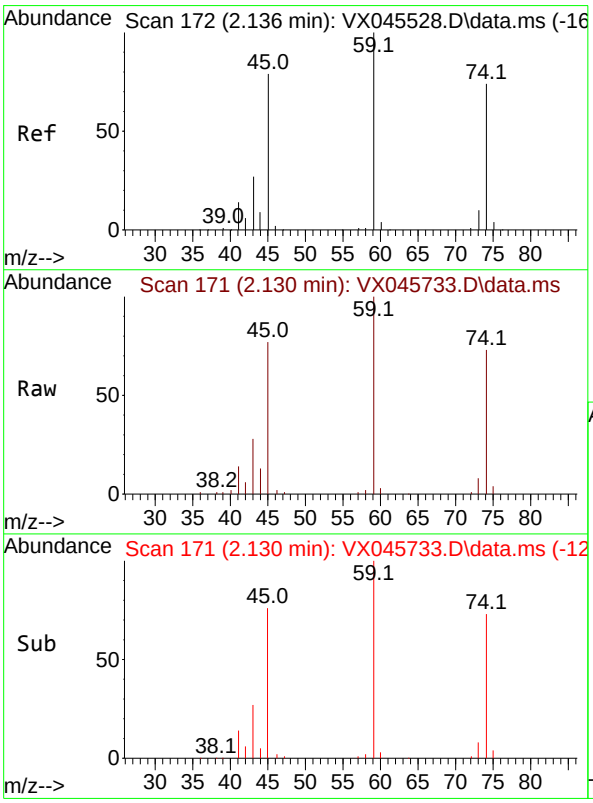
Ion	Ratio	Lower	Upper
101	100		
103	62.0	51.1	76.7

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

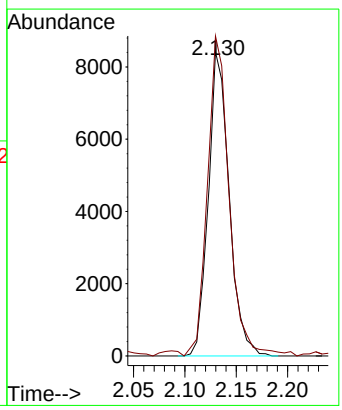


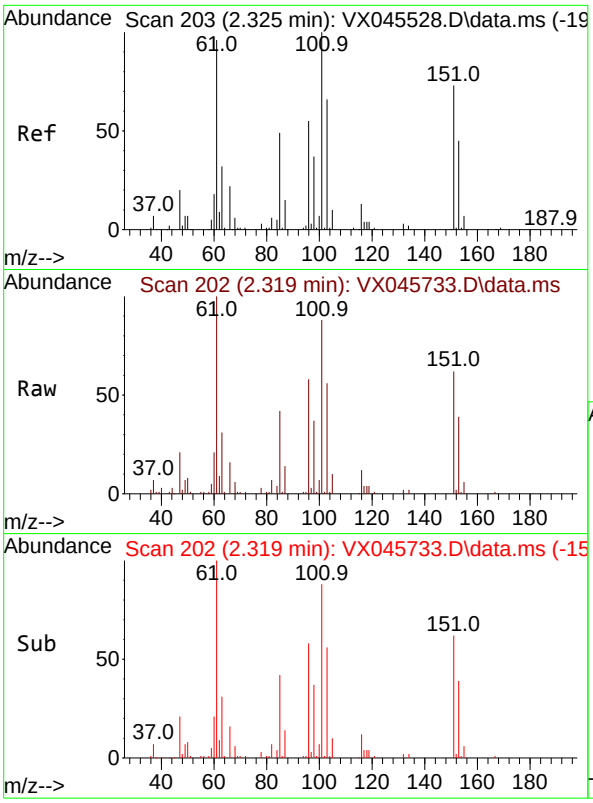


#8
Diethyl Ether
Concen: 18.247 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 74 Resp: 11886

Ion	Ratio	Lower	Upper
74	100		
45	109.2	53.0	159.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.558 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

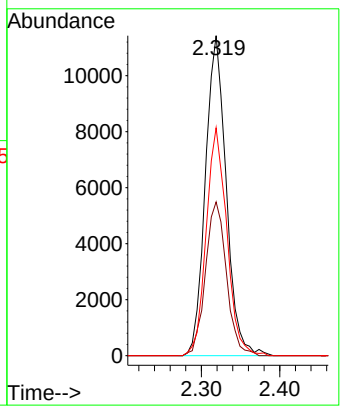
Tgt Ion:101 Resp: 2109

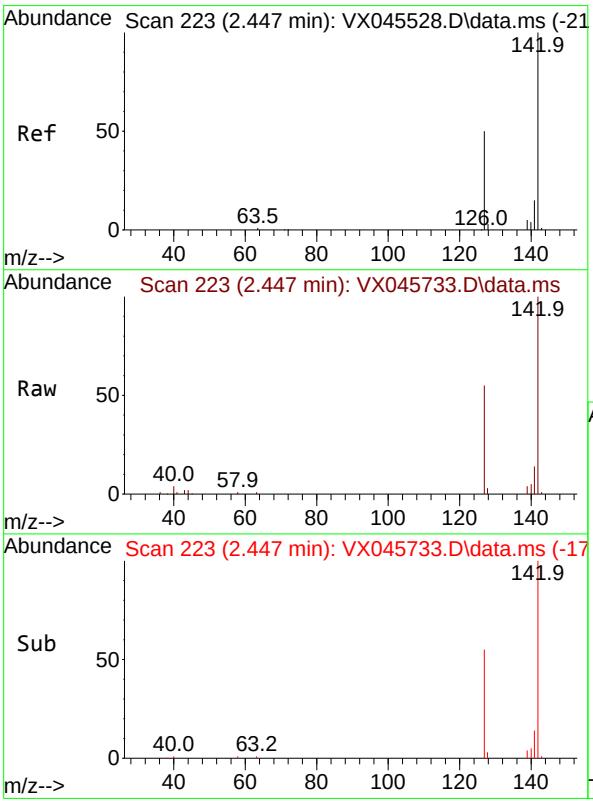
Ion	Ratio	Lower	Upper
101	100		
85	48.5	38.9	58.3
151	70.6	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

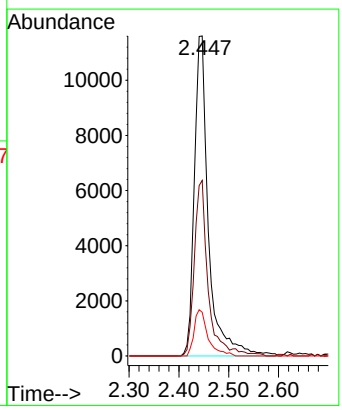


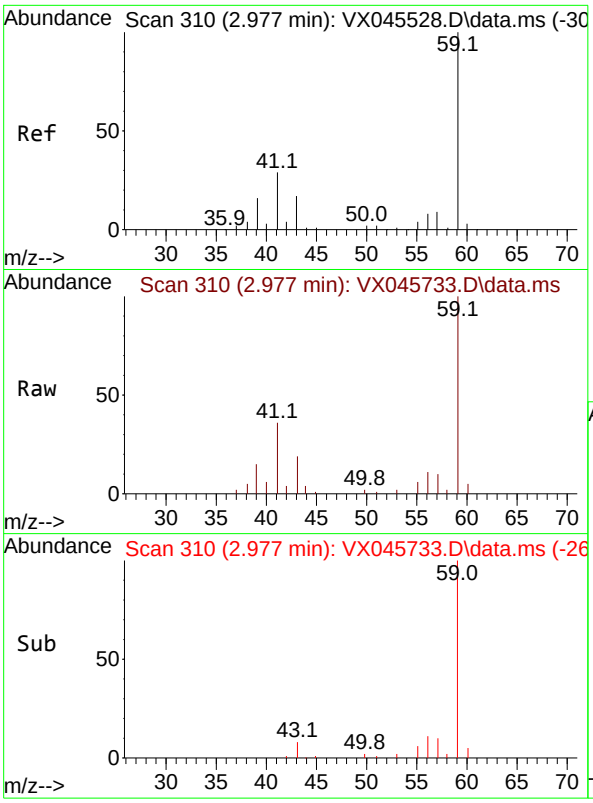


#10
Methyl Iodide
Concen: 16.123 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:142 Resp: 22864

Ion	Ratio	Lower	Upper
142	100		
127	53.7	40.2	60.4
141	14.1	11.7	17.5





#11
Tert butyl alcohol
Concen: 97.136 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

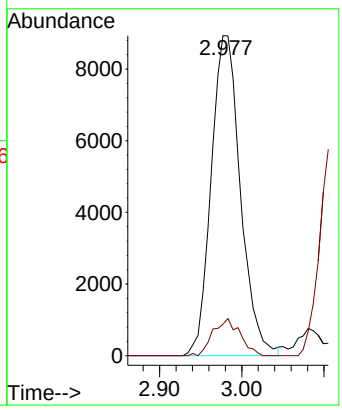
Tgt Ion: 59 Resp: 2209

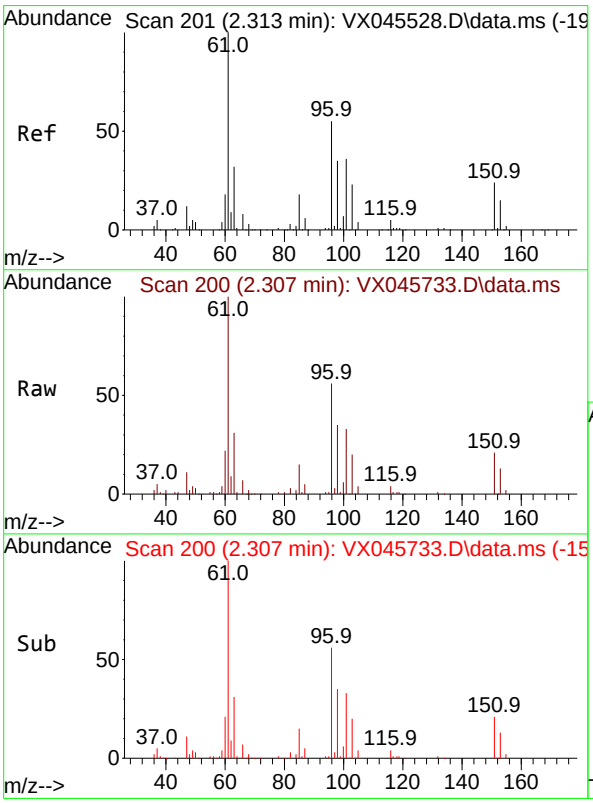
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

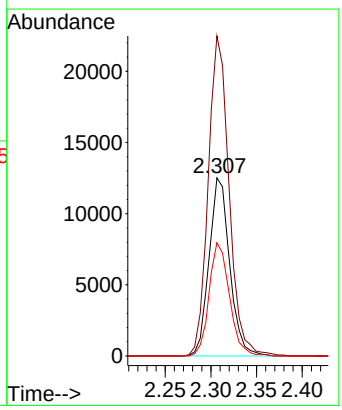


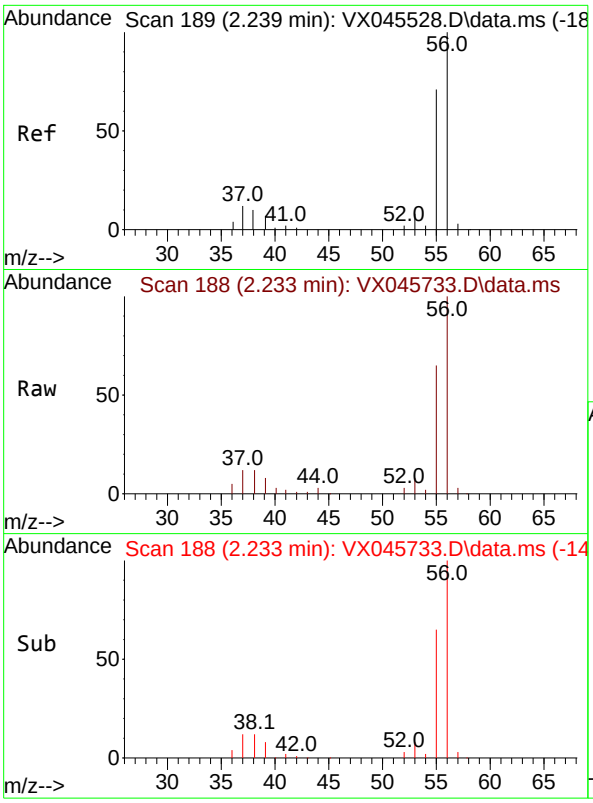


#12
1,1-Dichloroethene
Concen: 17.674 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 96 Resp: 19635

Ion	Ratio	Lower	Upper
96	100		
61	179.8	145.7	218.5
98	63.6	51.6	77.4

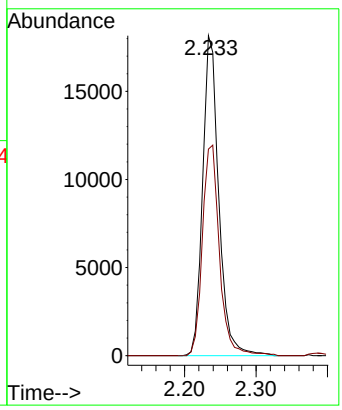




#13
Acrolein
Concen: 90.896 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 56 Resp: 2846

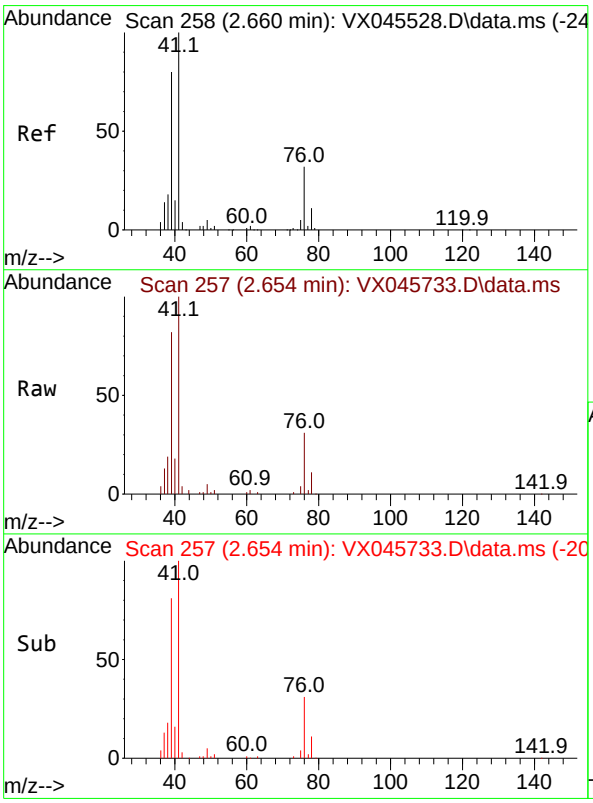
Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
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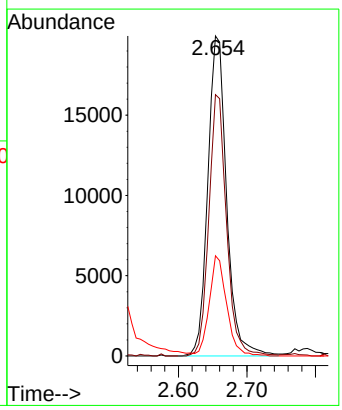
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

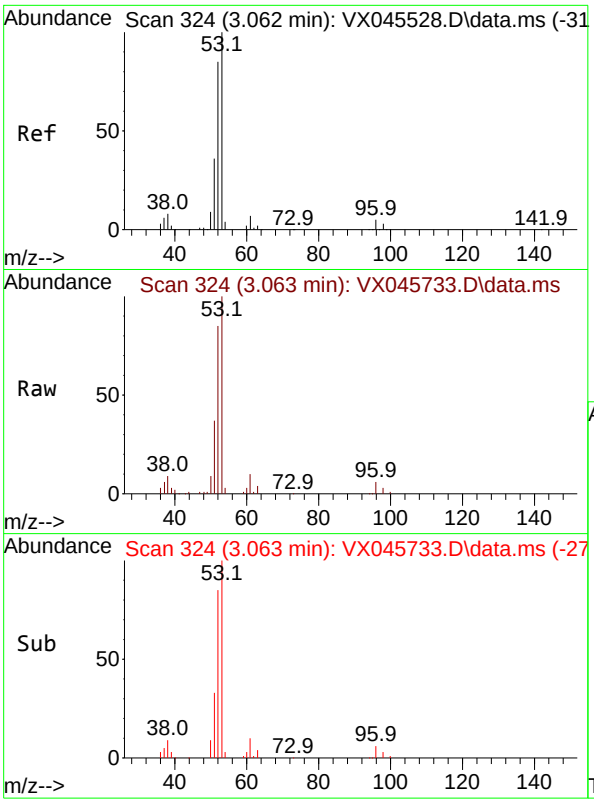


#14
Allyl chloride
Concen: 18.112 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 41 Resp: 38178

Ion	Ratio	Lower	Upper
41	100		
39	76.7	60.2	90.2
76	28.9	24.6	36.8

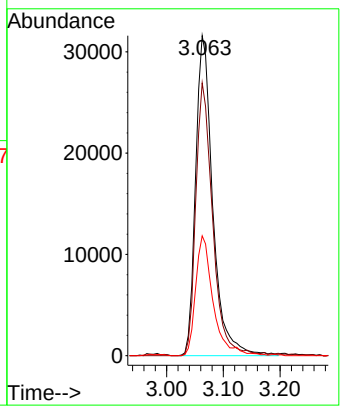




#15
Acrylonitrile
Concen: 92.831 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 53 Resp: 6664

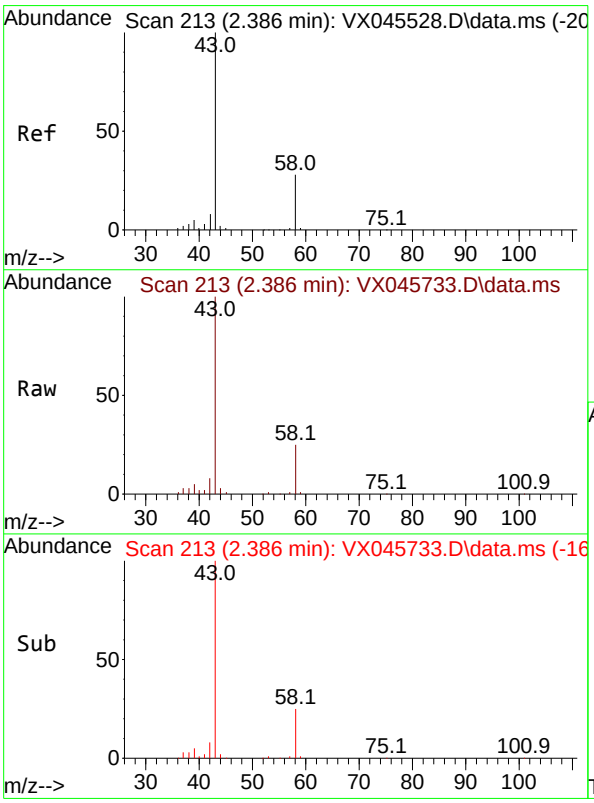
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.4	101.2
51	38.1	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
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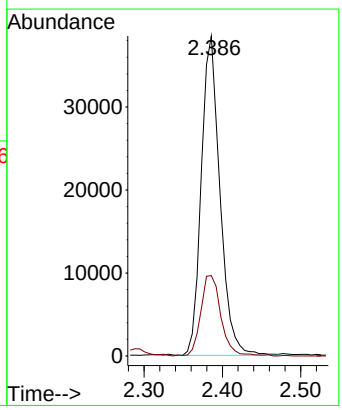
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

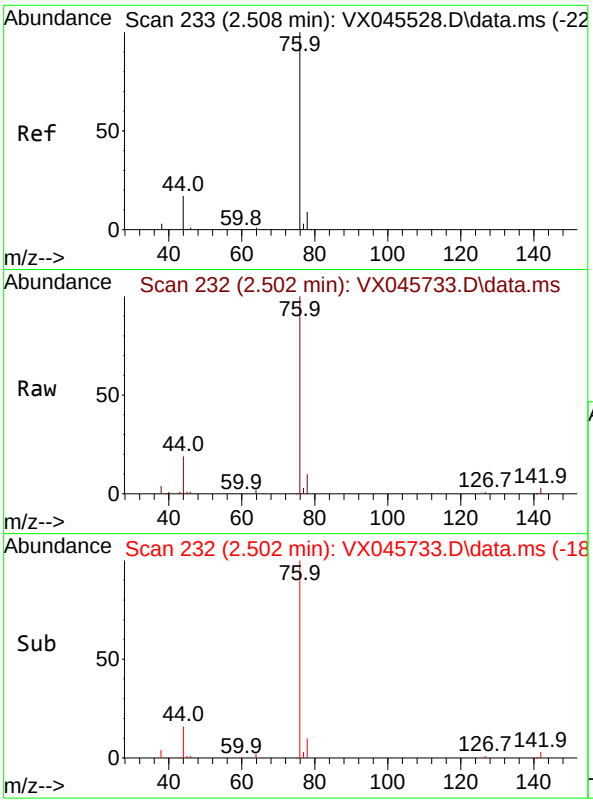


#16
Acetone
Concen: 91.531 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 63606

Ion	Ratio	Lower	Upper
43	100		
58	25.2	22.3	33.5





#17
Carbon Disulfide
Concen: 14.238 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

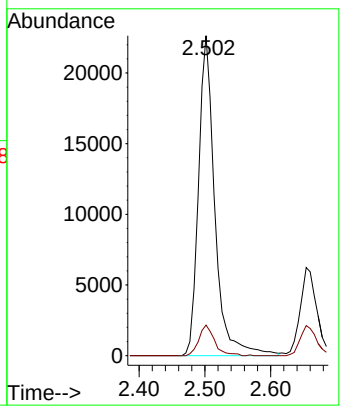
Tgt Ion: 76 Resp: 3906

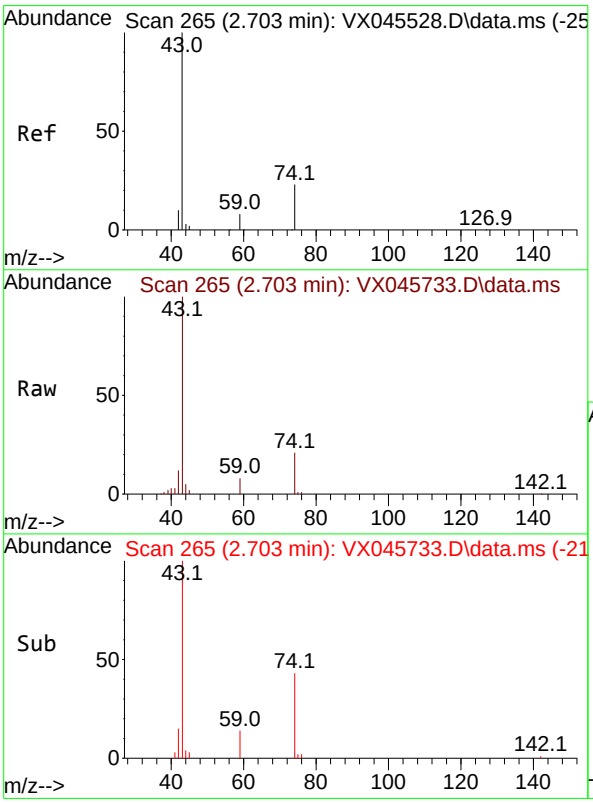
Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

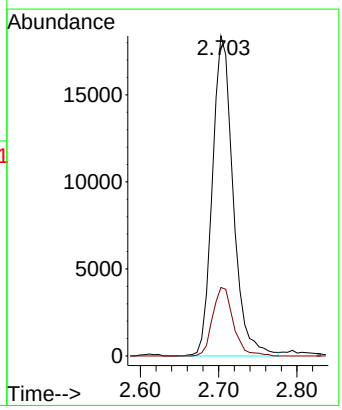


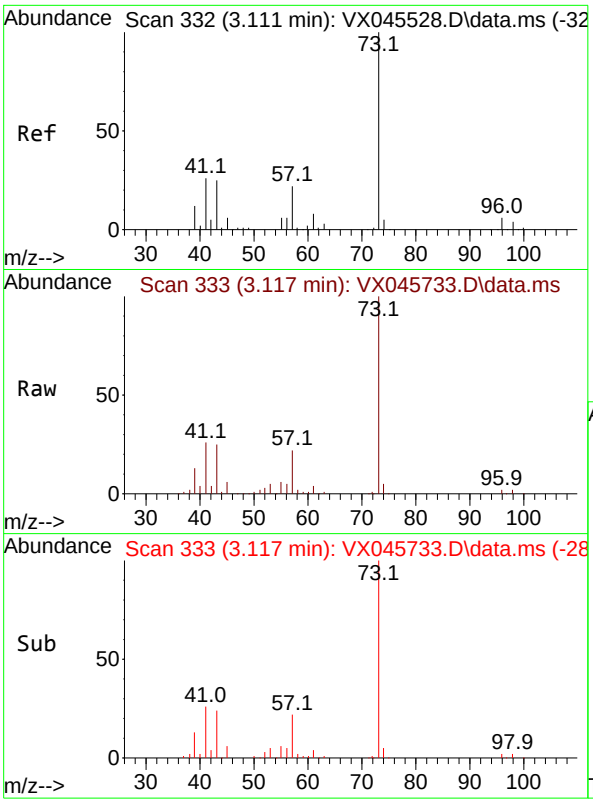


#18
Methyl Acetate
Concen: 21.198 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 33915

Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.5	26.3

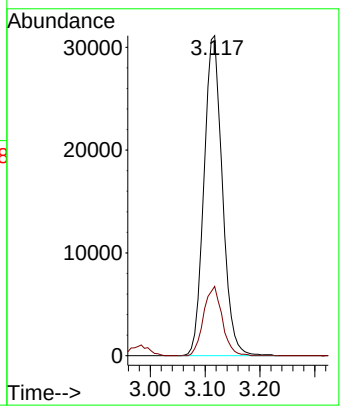




#19
Methyl tert-butyl Ether
Concen: 18.604 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 73 Resp: 7230

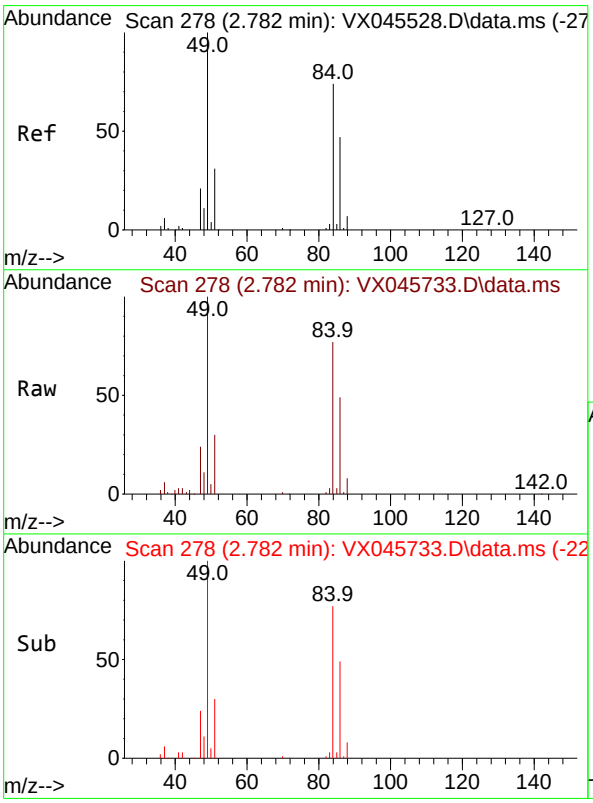
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
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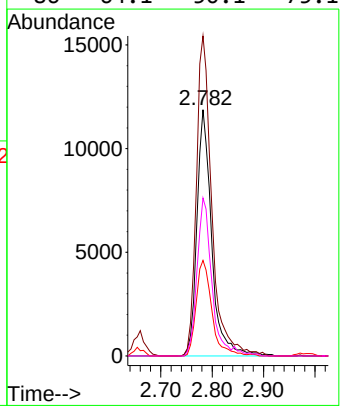
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

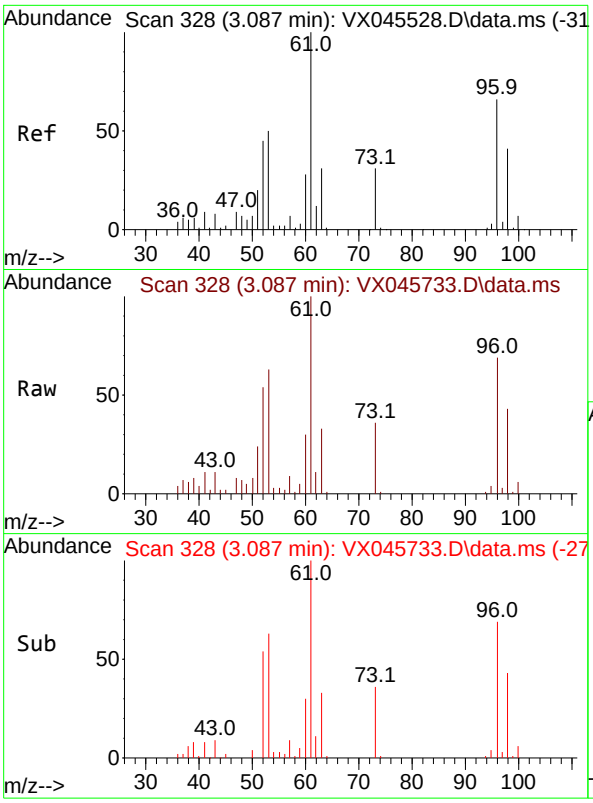


#20
Methylene Chloride
Concen: 18.210 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 84 Resp: 23691

Ion	Ratio	Lower	Upper
84	100		
49	130.0	107.5	161.3
51	38.8	33.0	49.6
86	64.1	50.1	75.1

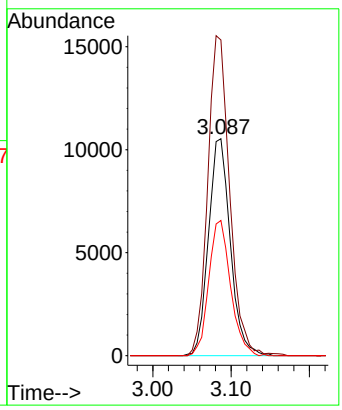




#21
trans-1,2-Dichloroethene
Concen: 17.998 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 96 Resp: 2042

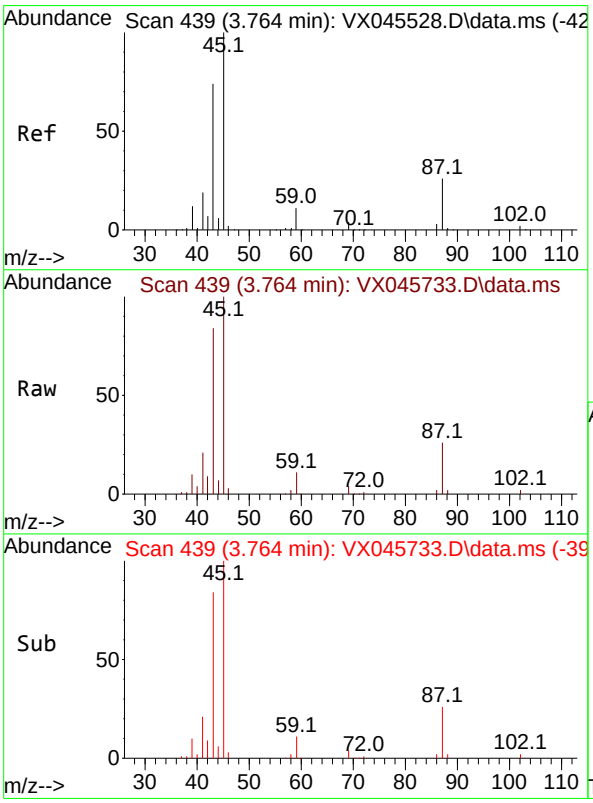
Ion	Ratio	Lower	Upper
96	100		
61	145.4	121.0	181.6
98	62.3	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
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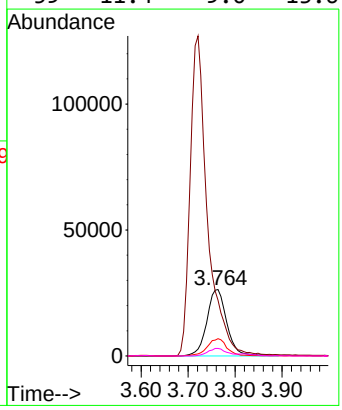
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

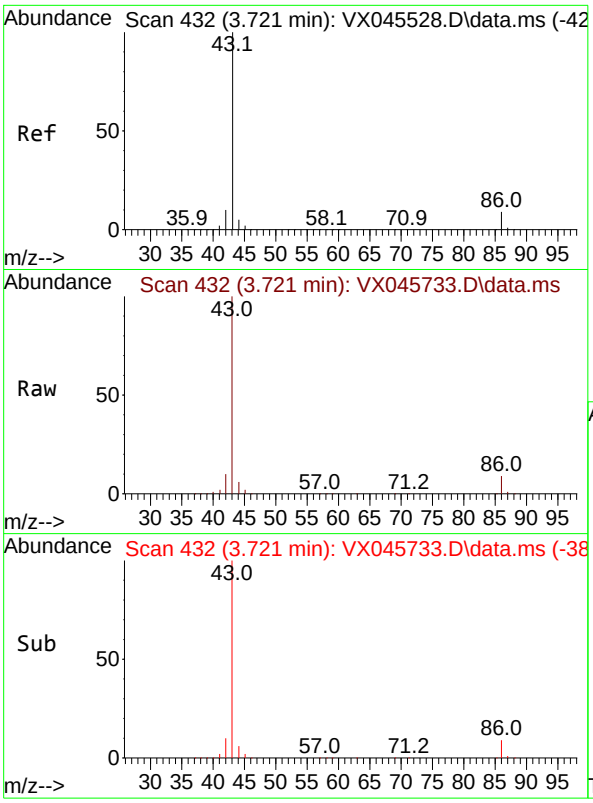


#22
Diisopropyl ether
Concen: 18.751 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 45 Resp: 77857

Ion	Ratio	Lower	Upper
45	100		
43	82.9	59.3	88.9
87	26.0	20.4	30.6
59	11.4	9.0	13.6





#23
Vinyl Acetate
Concen: 92.267 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

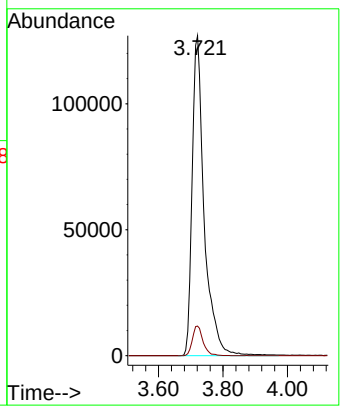
Tgt Ion: 43 Resp: 33100

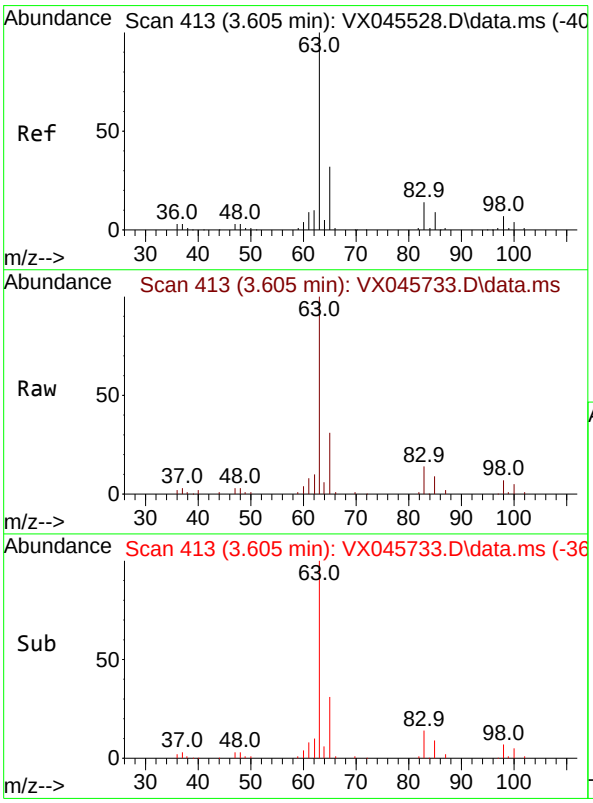
Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

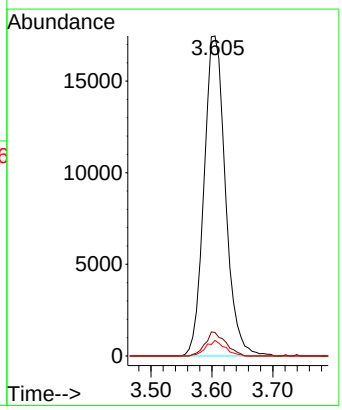


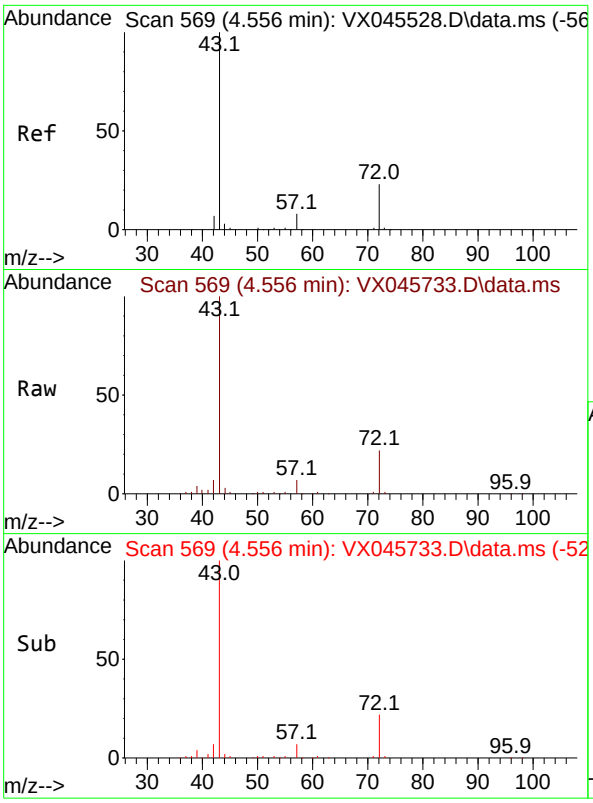


#24
1,1-Dichloroethane
Concen: 18.152 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 63 Resp: 42626

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.9	2.2	6.6

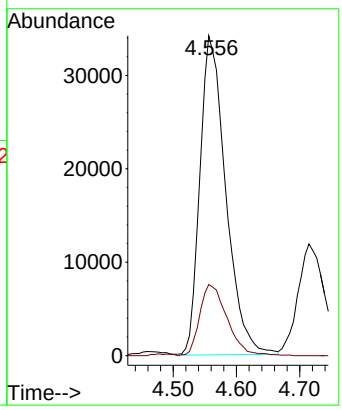




#25
2-Butanone
Concen: 95.593 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 9723

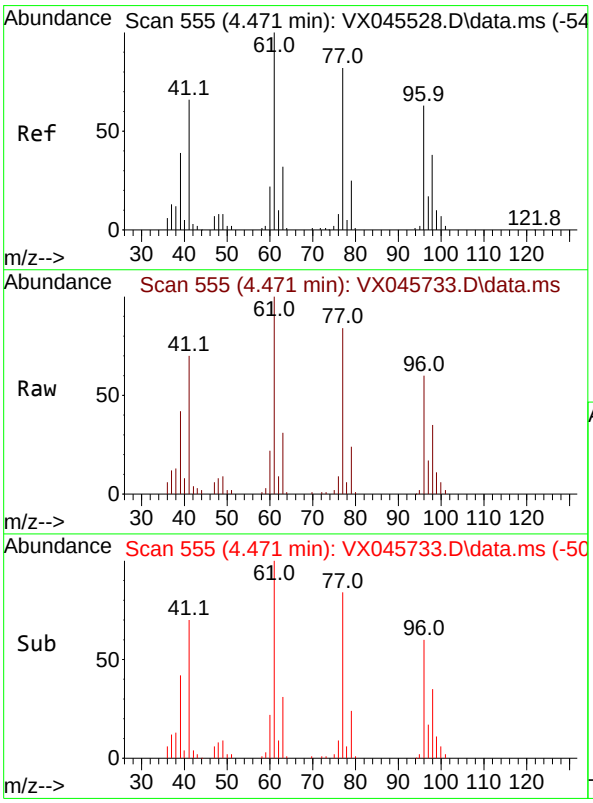
Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
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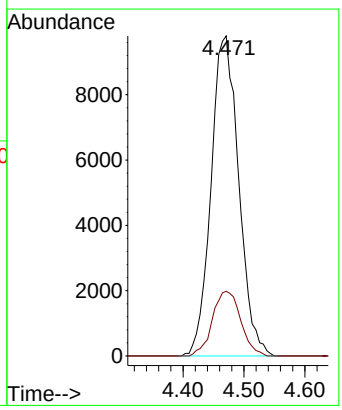
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

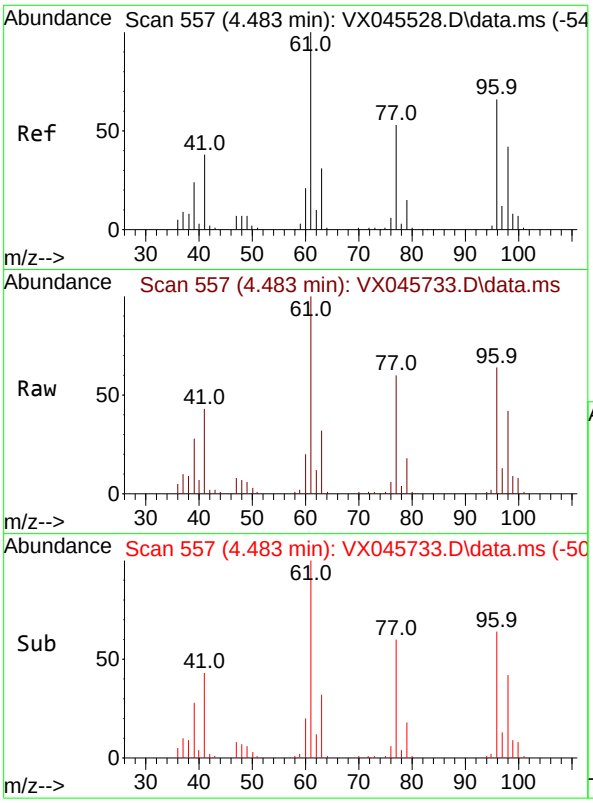


#26
2,2-Dichloropropane
Concen: 20.371 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 77 Resp: 30907

Ion	Ratio	Lower	Upper
77	100		
97	20.7	10.6	31.8

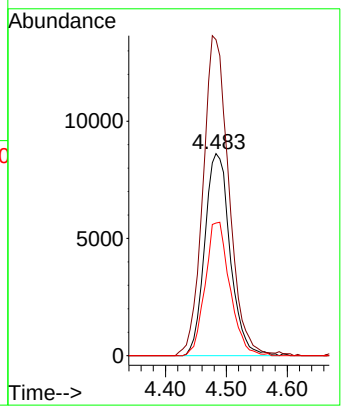




#27
cis-1,2-Dichloroethene
Concen: 18.048 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 96 Resp: 2495

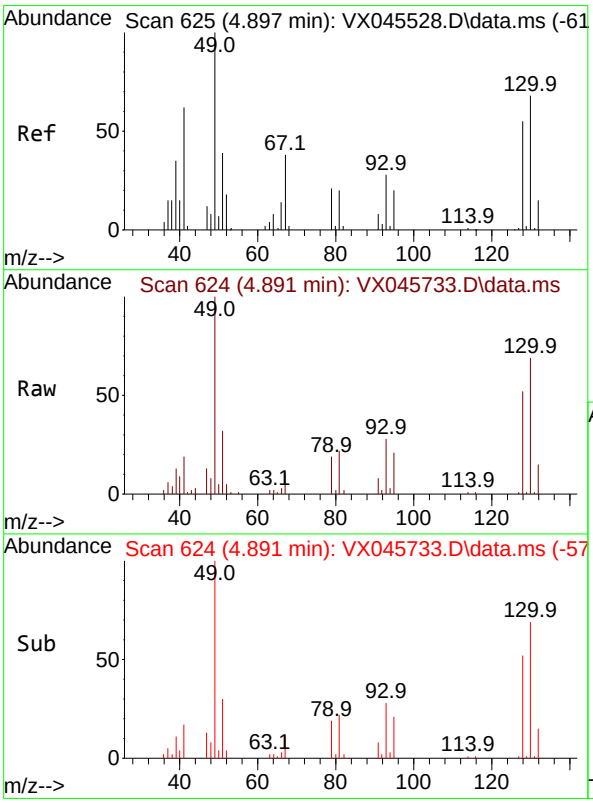
Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	313.2
98	64.3	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

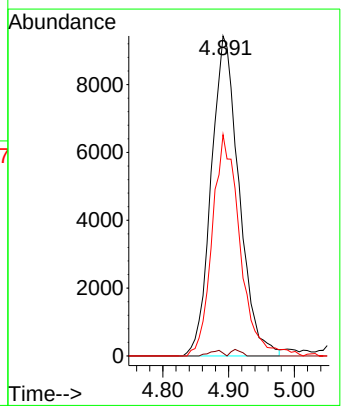
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

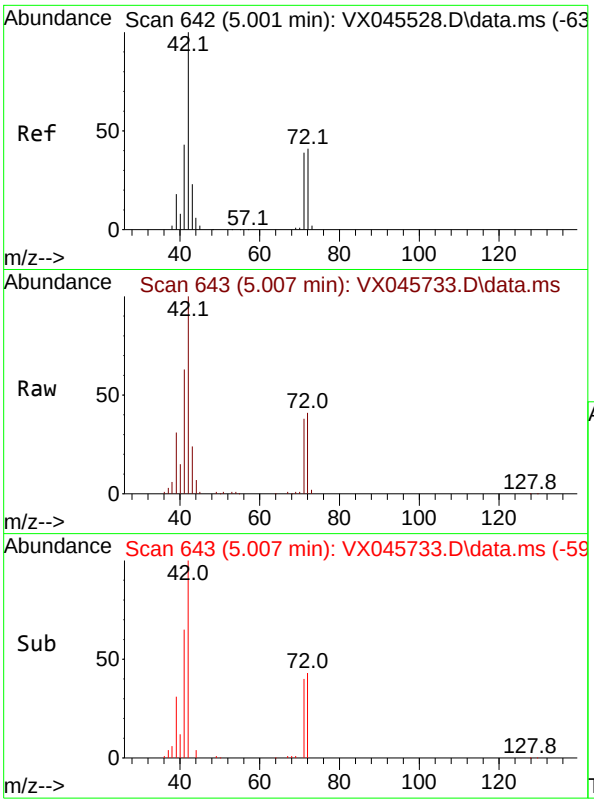


#28
Bromochloromethane
Concen: 24.458 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 49 Resp: 27754

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	69.0	54.6	81.8

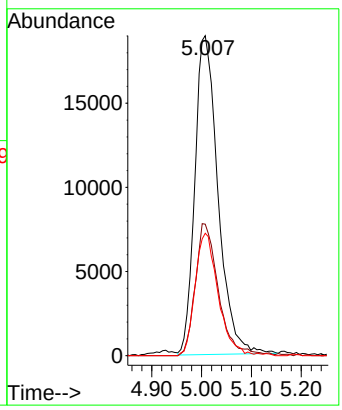




#29
Tetrahydrofuran
Concen: 92.791 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 42 Resp: 6119

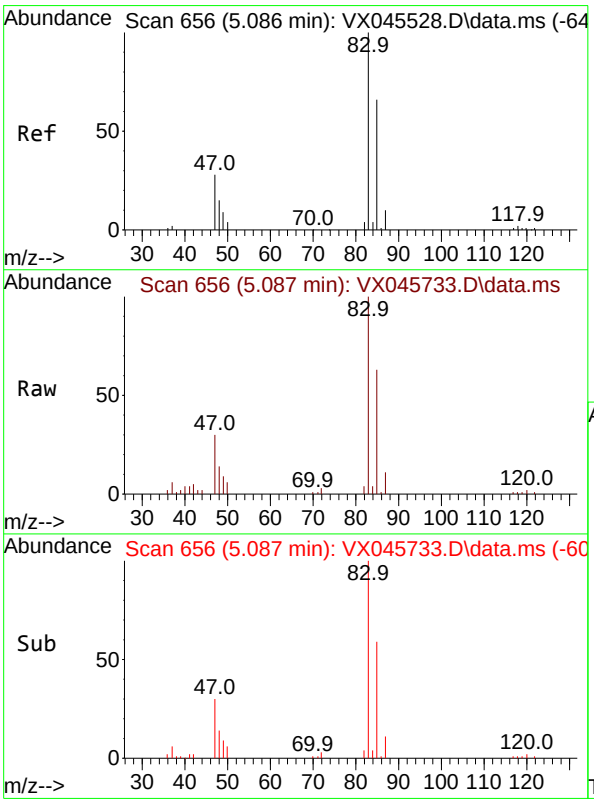
Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.4	50.0
71	38.1	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

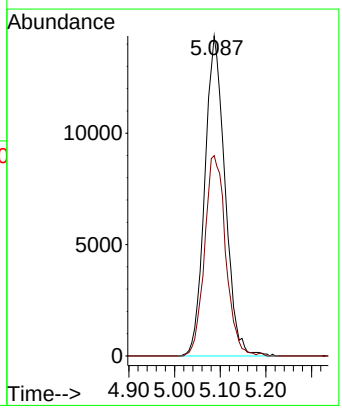
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

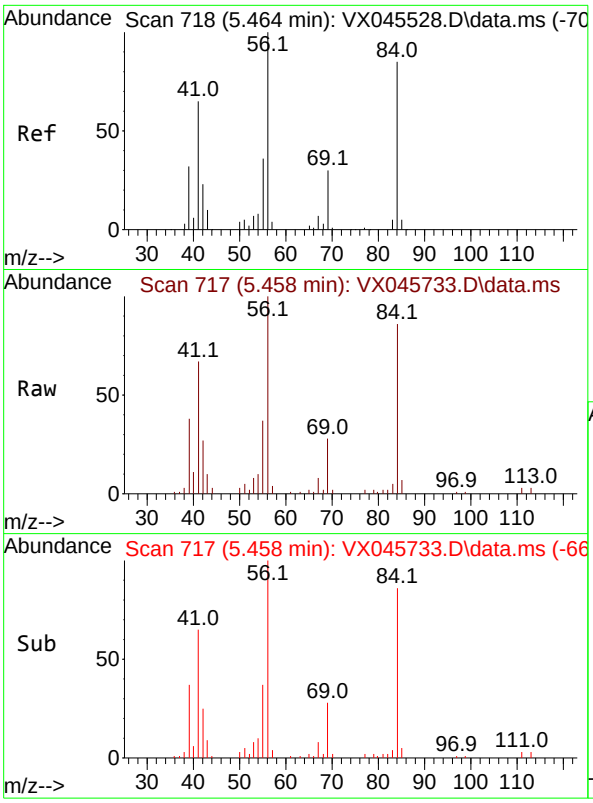


#30
Chloroform
Concen: 18.263 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 83 Resp: 44128

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.8	79.2





#31
Cyclohexane
Concen: 17.184 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

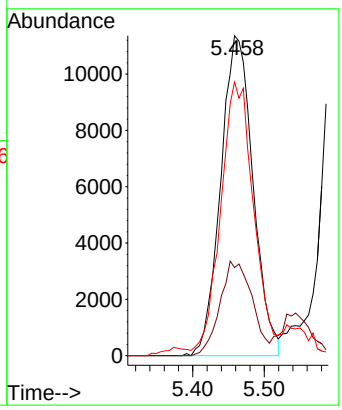
Tgt Ion: 56 Resp: 3567

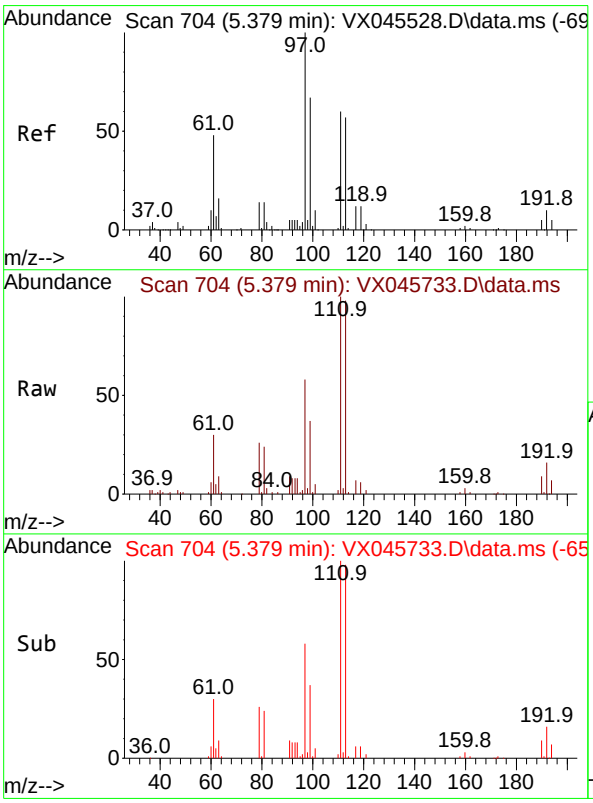
Ion	Ratio	Lower	Upper
56	100		
69	27.5	23.6	35.4
84	83.2	67.7	101.5

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

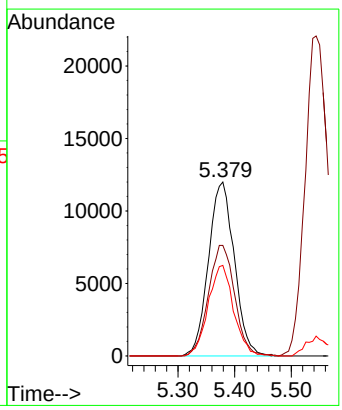


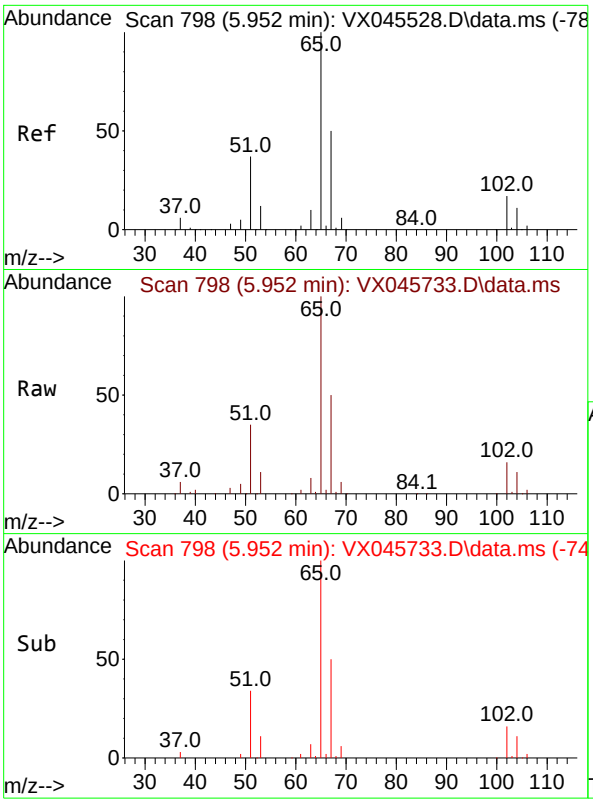


#32
1,1,1-Trichloroethane
Concen: 18.583 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 97 Resp: 37994

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.7	77.5
61	51.2	41.0	61.4

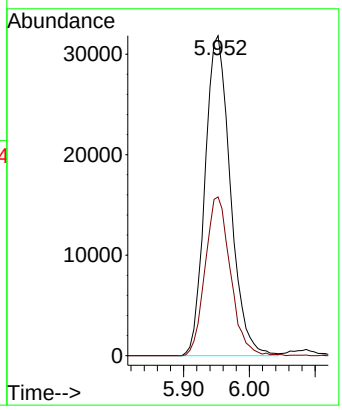




#33
1,2-Dichloroethane-d4
Concen: 50.486 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 65 Resp: 8543

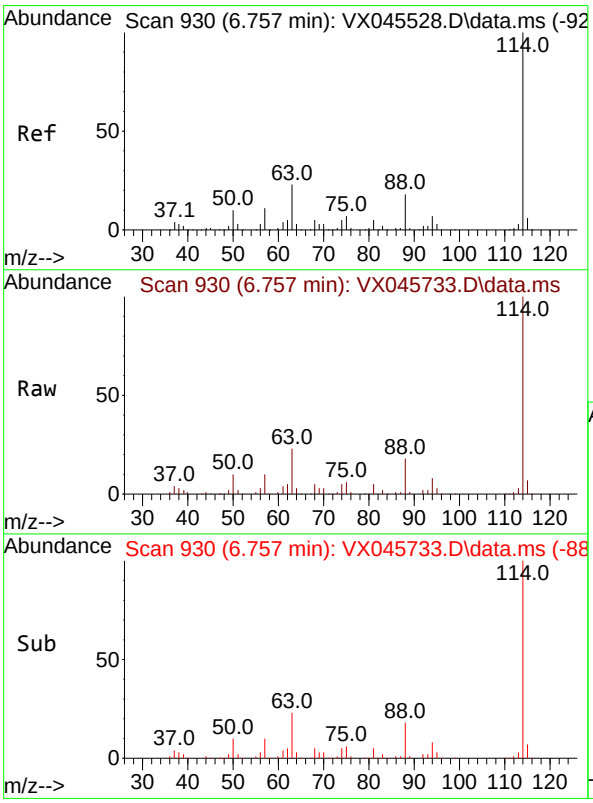
Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

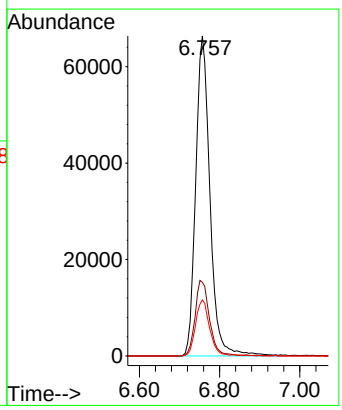
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

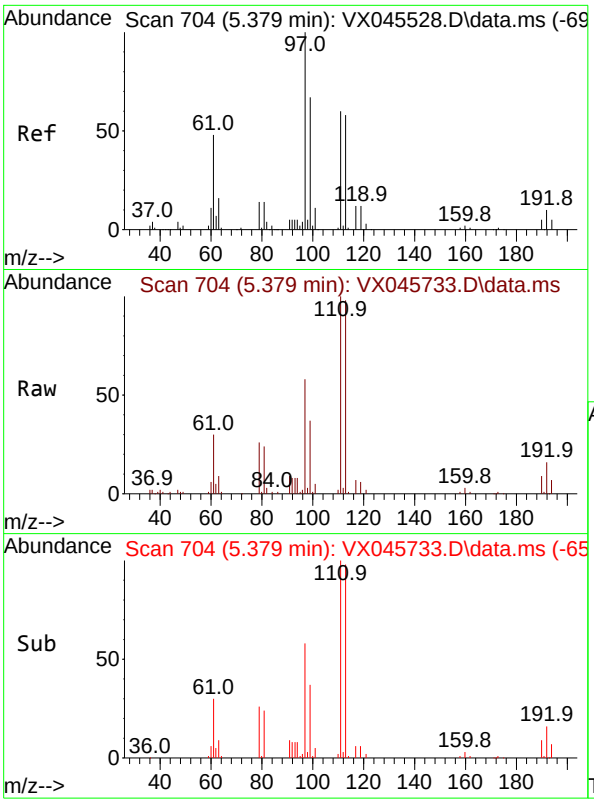


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:114 Resp: 163903

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	46.8
88	17.5	0.0	35.4

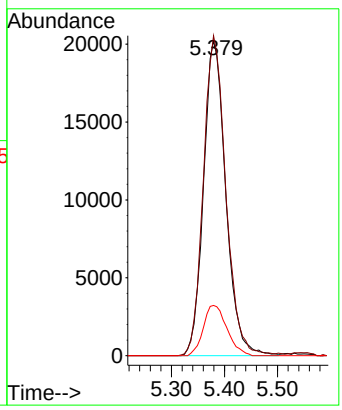




#35
Dibromofluoromethane
Concen: 50.653 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:113 Resp: 5890

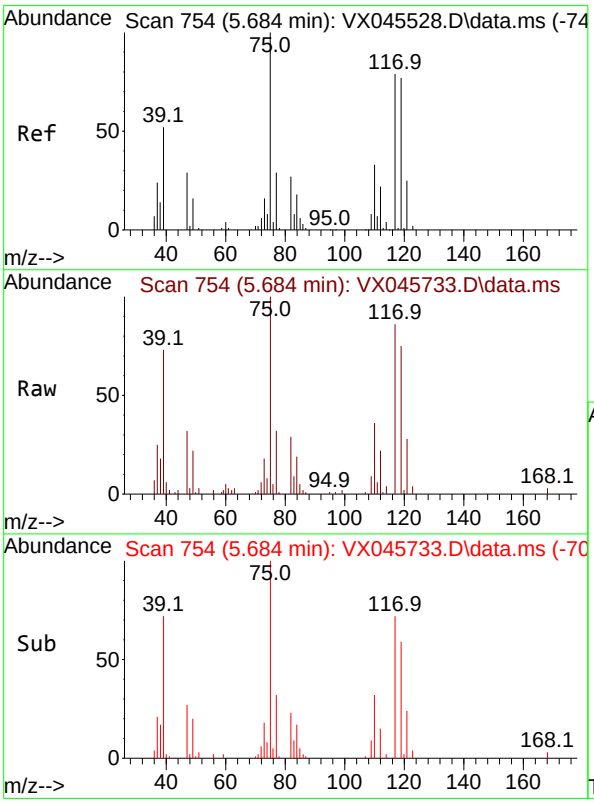
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.6
192	17.0	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

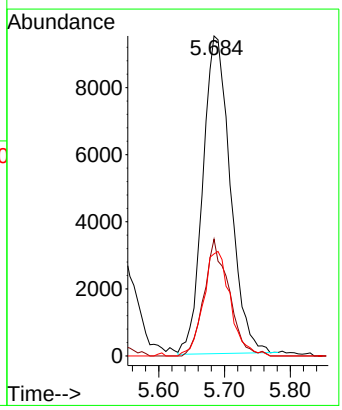
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

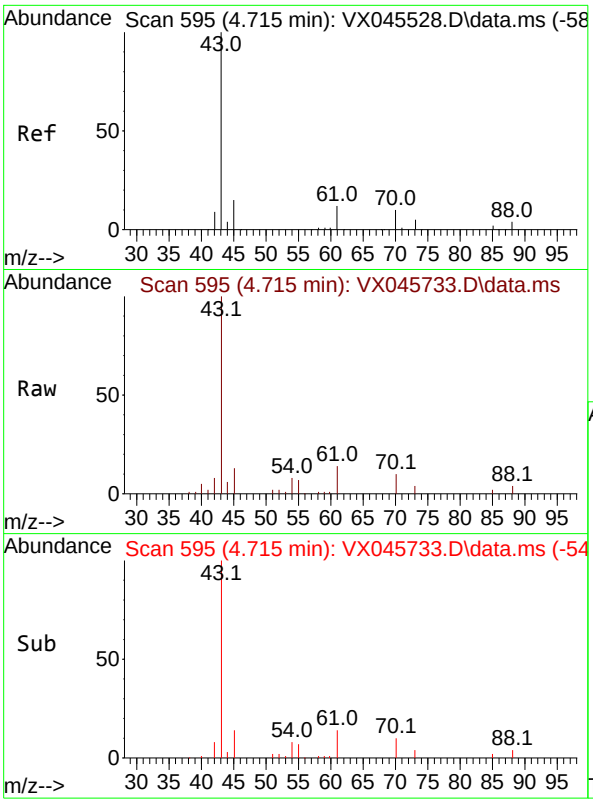


#36
1,1-Dichloropropene
Concen: 17.539 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 27539

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	32.4	25.0	37.4

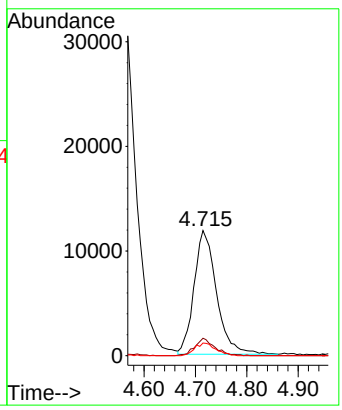




#37
Ethyl Acetate
Concen: 18.192 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 3599

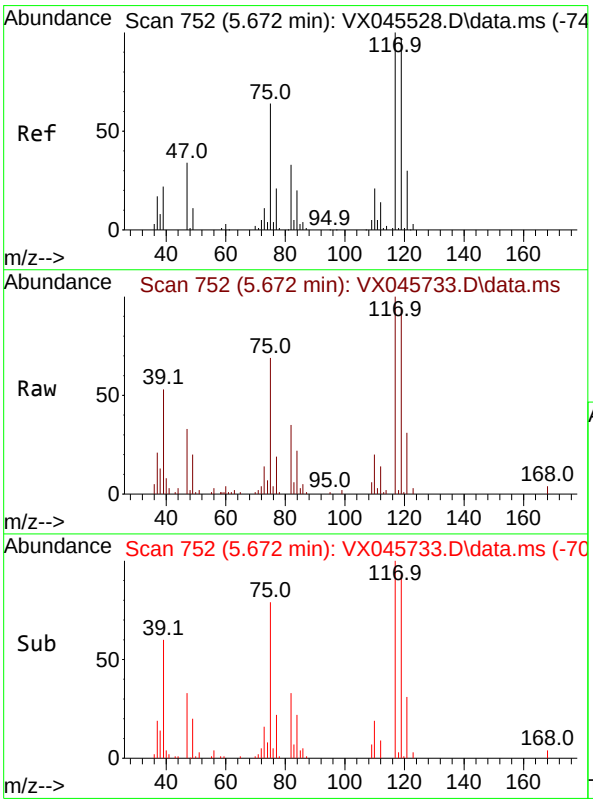
Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.9	14.9
70	9.5	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

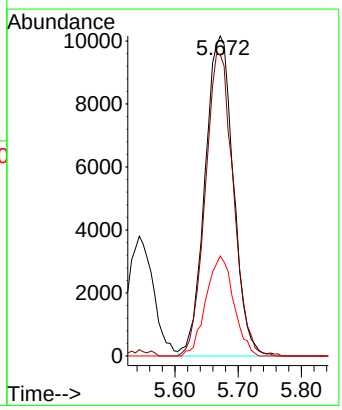
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

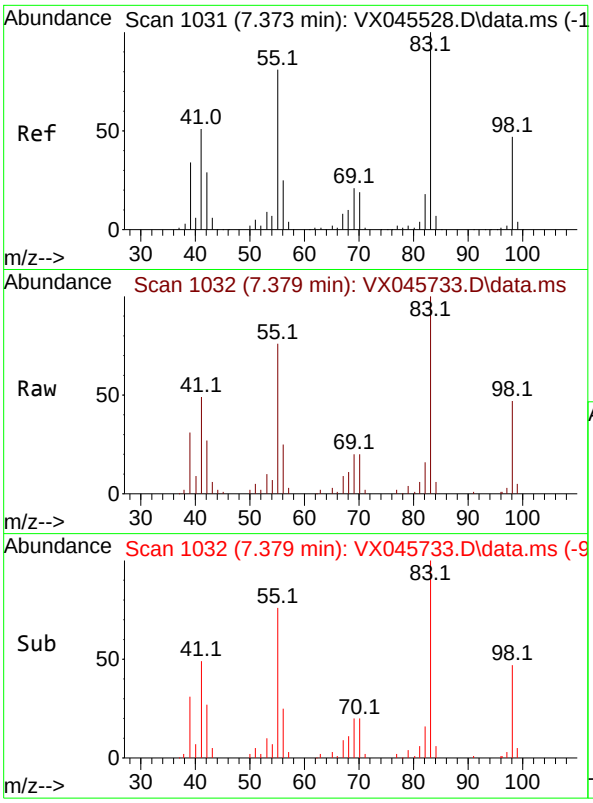


#38
Carbon Tetrachloride
Concen: 18.620 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:117 Resp: 31597

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.9	115.3
121	31.2	24.2	36.2

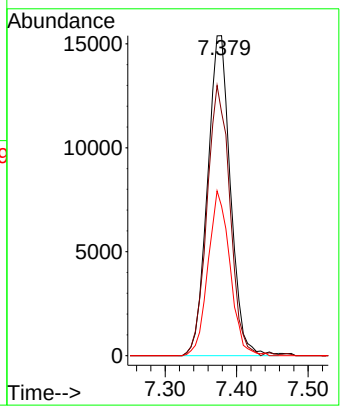




#39
Methylcyclohexane
Concen: 17.851 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 83 Resp: 3435

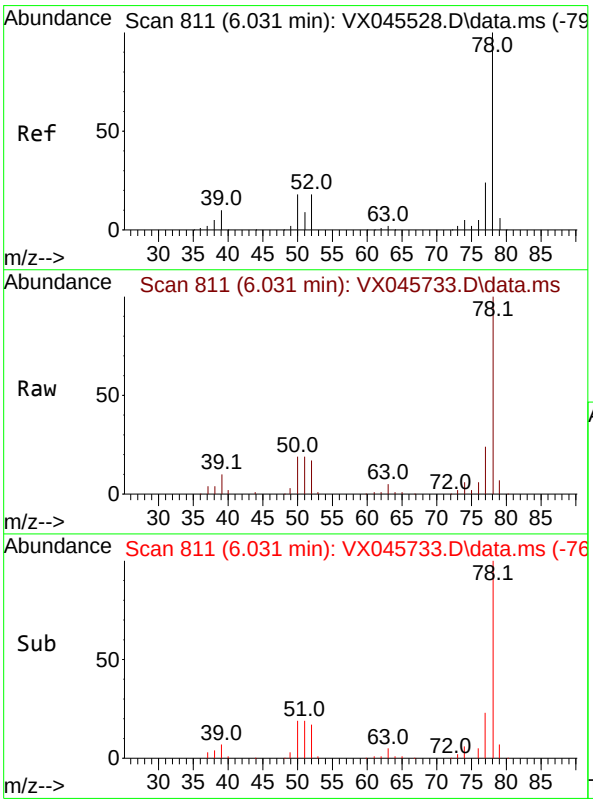
Ion	Ratio	Lower	Upper
83	100		
55	76.0	64.9	97.3
98	46.7	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

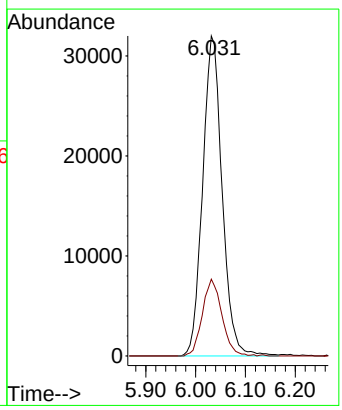
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

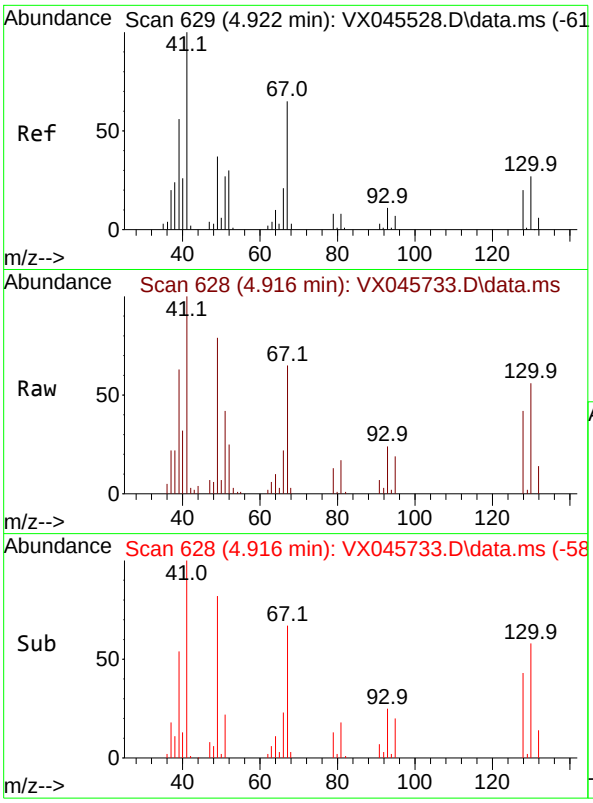


#40
Benzene
Concen: 18.126 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 78 Resp: 86923

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6

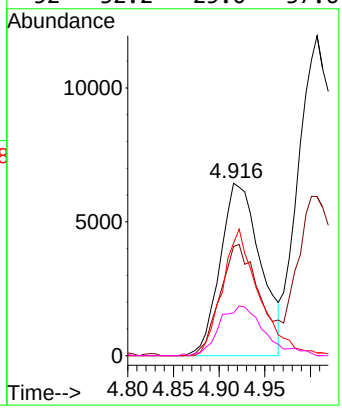




#41
Methacrylonitrile
Concen: 18.924 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 41 Resp: 1975

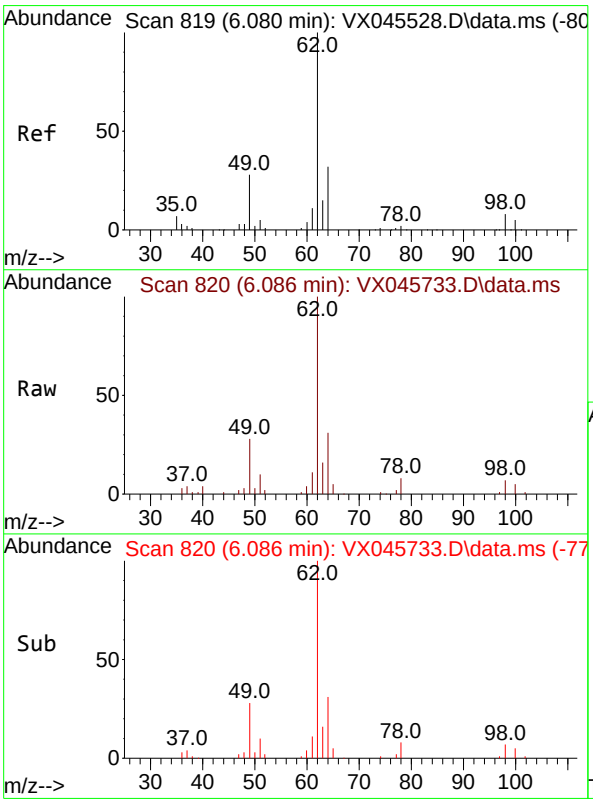
Ion	Ratio	Lower	Upper
41	100		
39	60.4	47.0	70.6
67	67.8	53.2	79.8
52	32.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

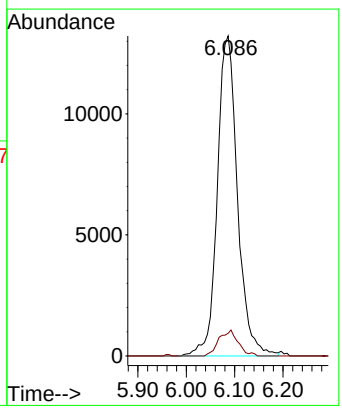
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

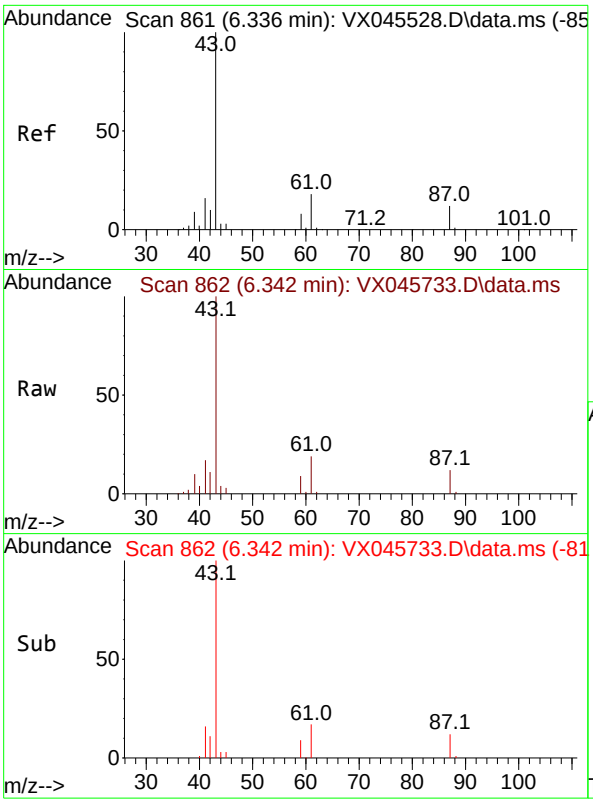


#42
1,2-Dichloroethane
Concen: 19.360 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 62 Resp: 38345

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.2





#43
Isopropyl Acetate
Concen: 18.864 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

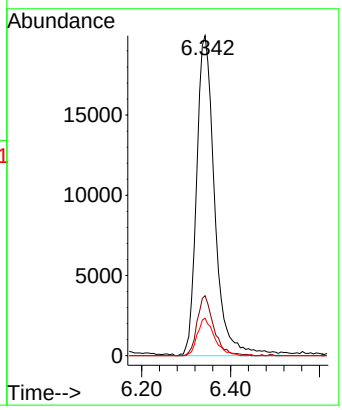
Tgt Ion: 43 Resp: 5657

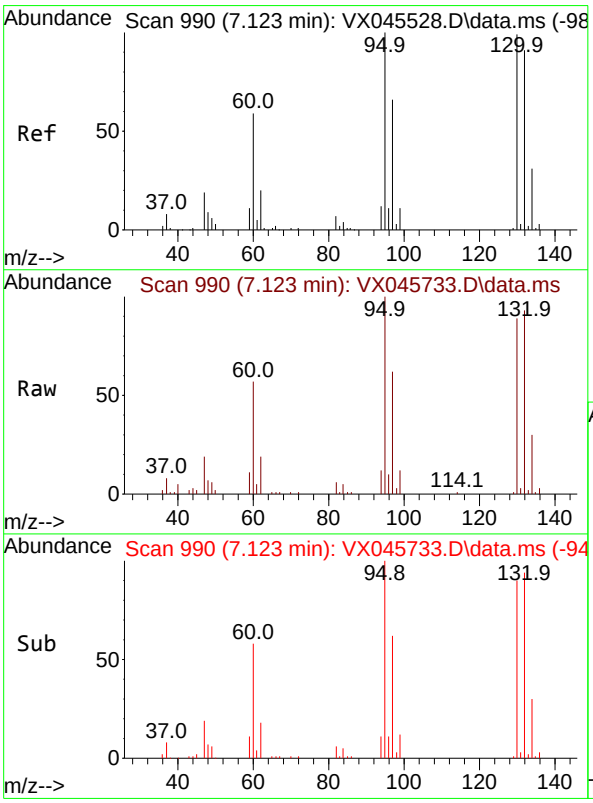
Ion	Ratio	Lower	Upper
43	100		
61	17.1	14.1	21.1
87	11.0	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
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Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

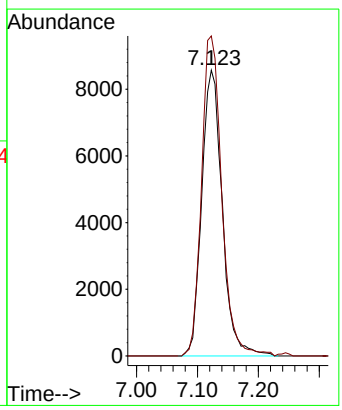


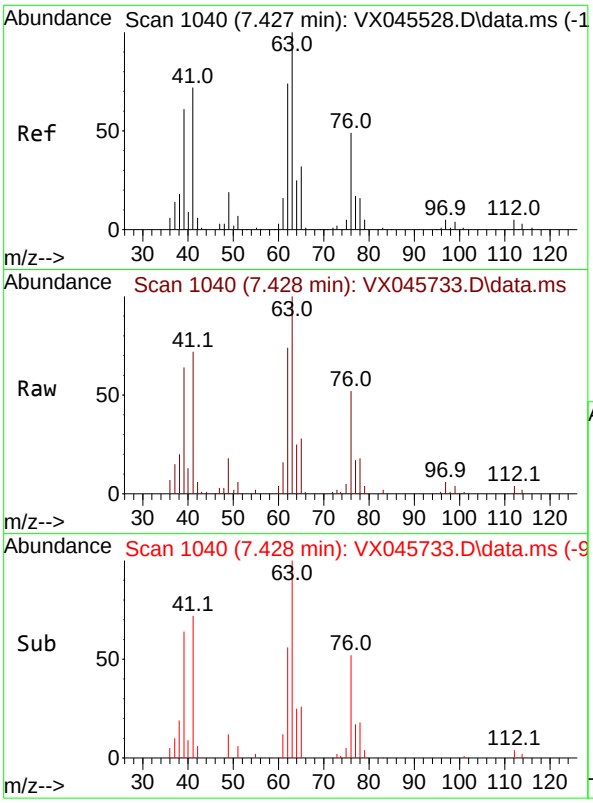


#44
Trichloroethene
Concen: 17.624 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:130 Resp: 20087

Ion	Ratio	Lower	Upper
130	100		
95	112.0	0.0	202.0

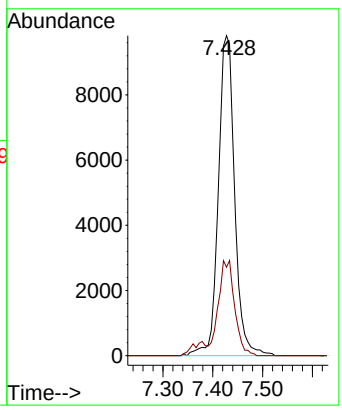




#45
1,2-Dichloropropane
Concen: 18.678 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 63 Resp: 2234

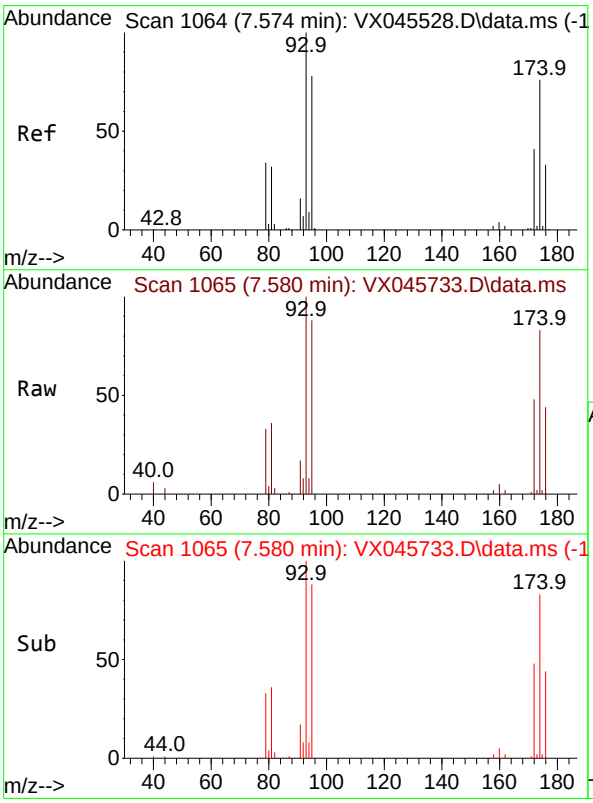
Ion	Ratio	Lower	Upper
63	100		
65	27.6	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

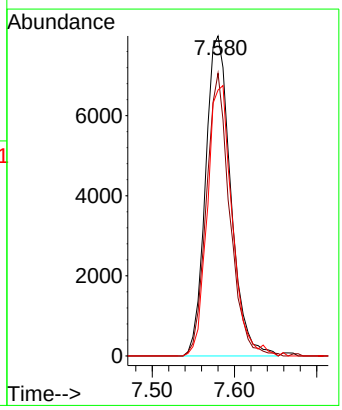
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

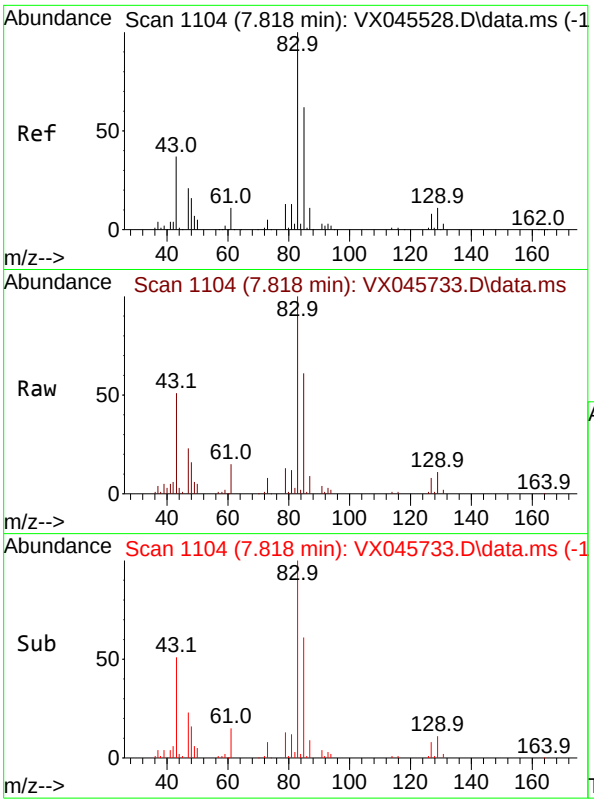


#46
Dibromomethane
Concen: 18.538 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 93 Resp: 17027

Ion	Ratio	Lower	Upper
93	100		
95	82.0	64.8	97.2
174	83.5	65.4	98.0

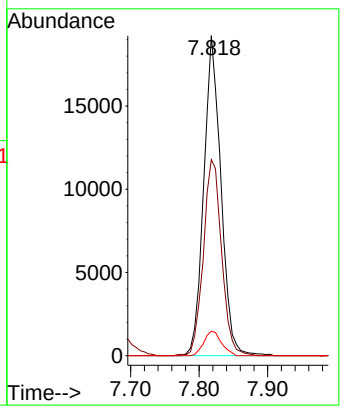




#47
Bromodichloromethane
Concen: 18.321 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 83 Resp: 3360

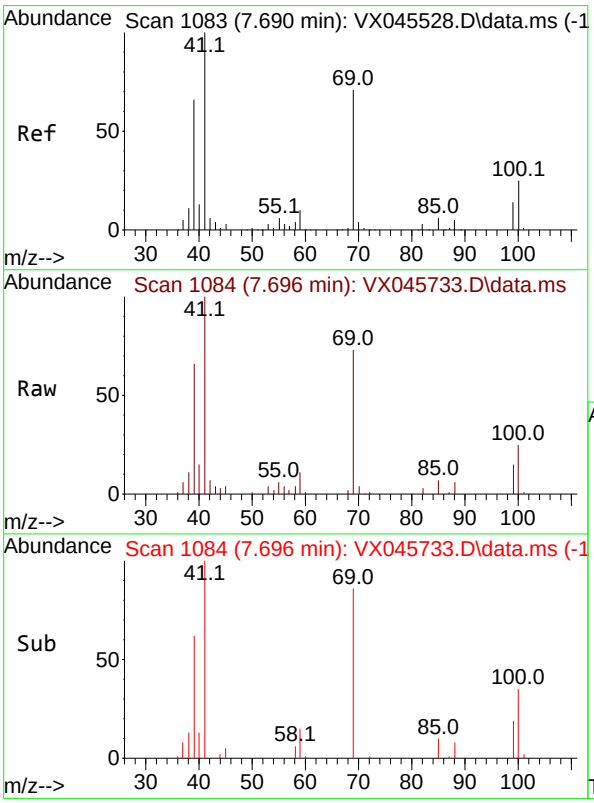
Ion	Ratio	Lower	Upper
83	100		
85	61.3	49.7	74.5
127	7.7	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

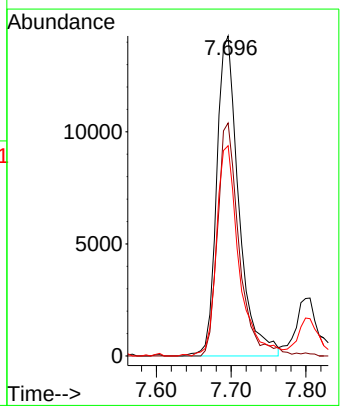
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

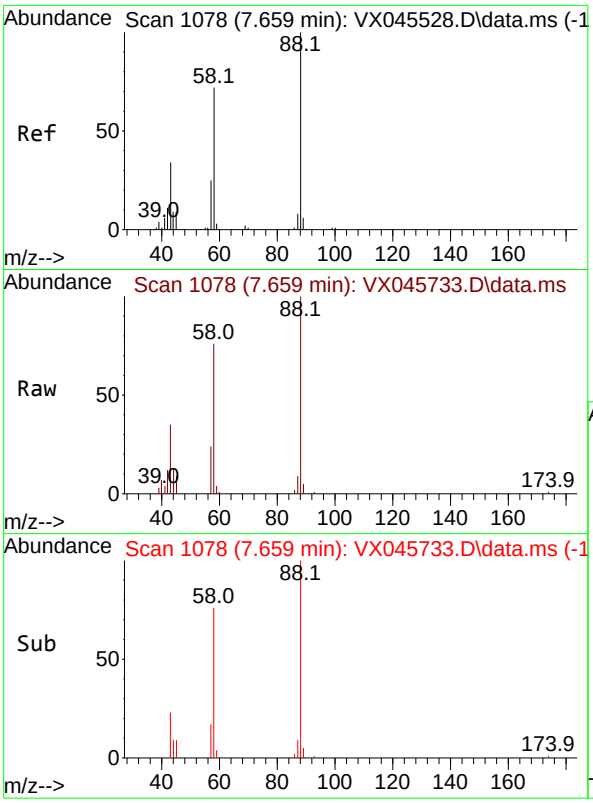


#48
Methyl methacrylate
Concen: 18.940 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 41 Resp: 29328

Ion	Ratio	Lower	Upper
41	100		
69	71.3	58.2	87.2
39	67.0	53.6	80.4

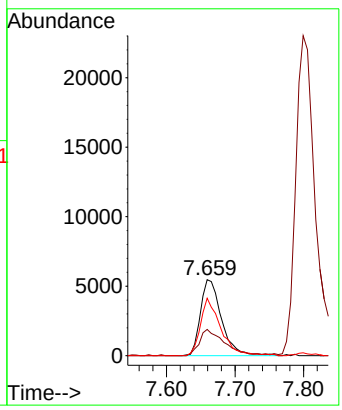




#49
1,4-Dioxane
Concen: 416.596 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 88 Resp: 1167

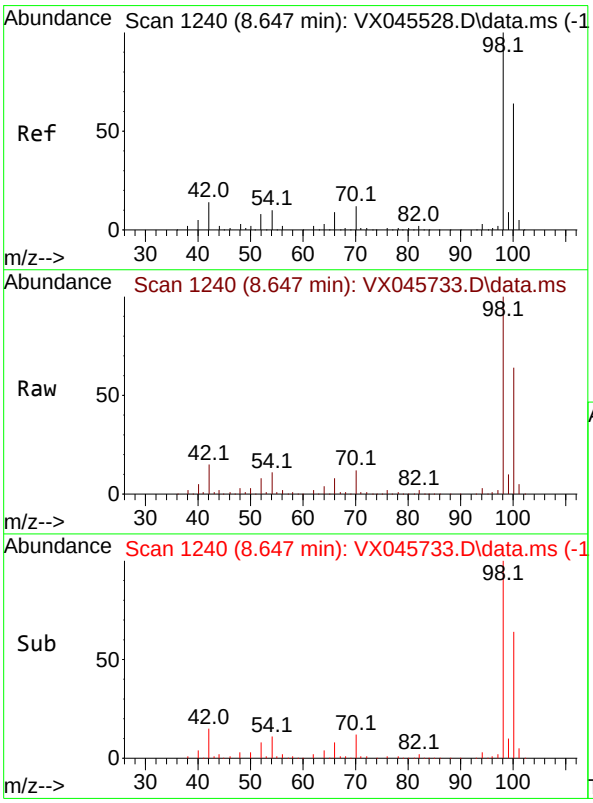
Ion	Ratio	Lower	Upper
88	100		
43	40.8	32.2	48.4
58	73.0	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

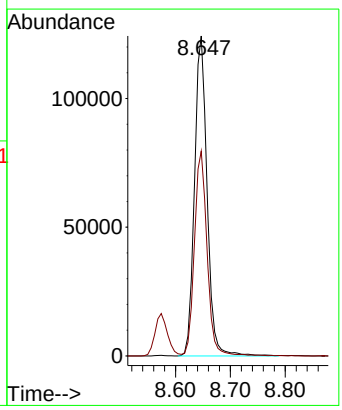
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

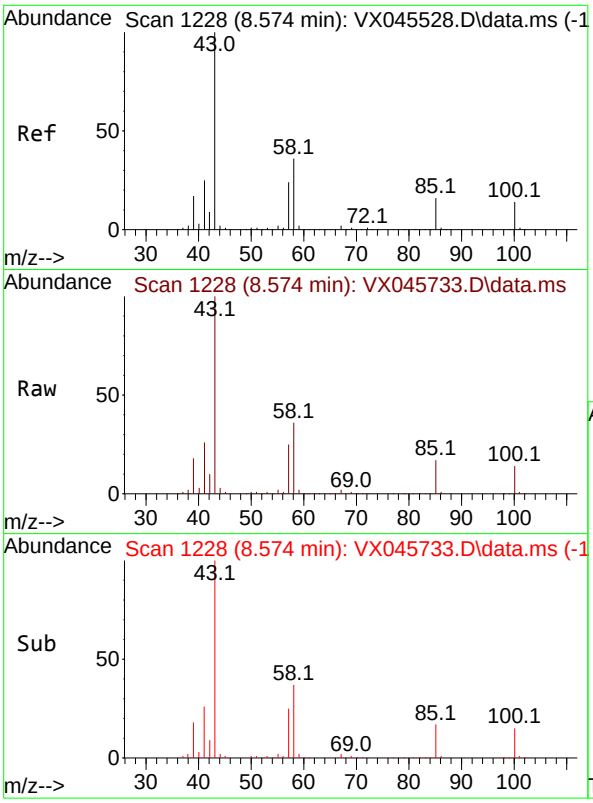


#50
Toluene-d8
Concen: 49.167 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 98 Resp: 199568

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.4

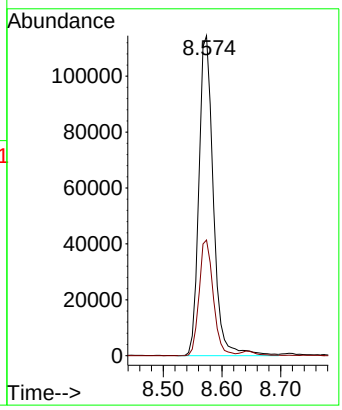




#51
4-Methyl-2-Pentanone
Concen: 98.277 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 19538

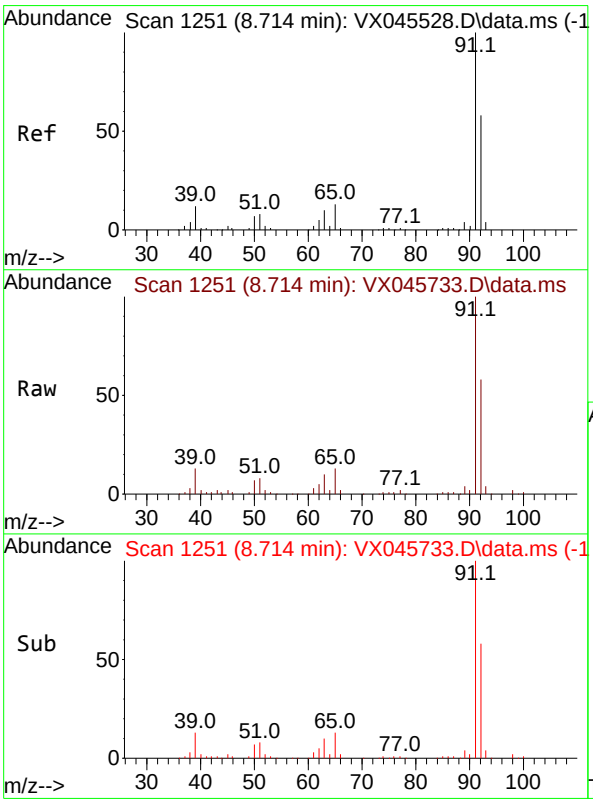
Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

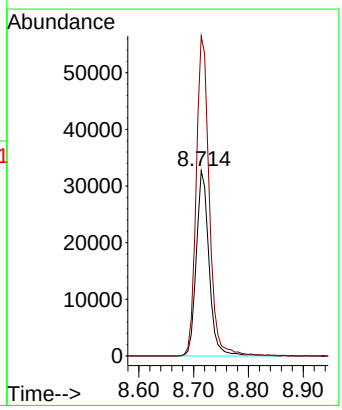
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

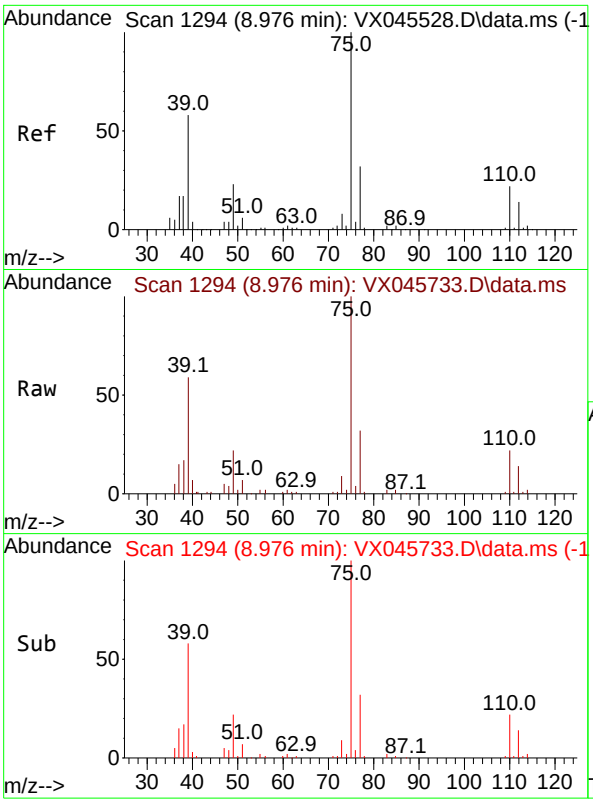


#52
Toluene
Concen: 18.235 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 92 Resp: 52911

Ion	Ratio	Lower	Upper
92	100		
91	177.2	138.7	208.1

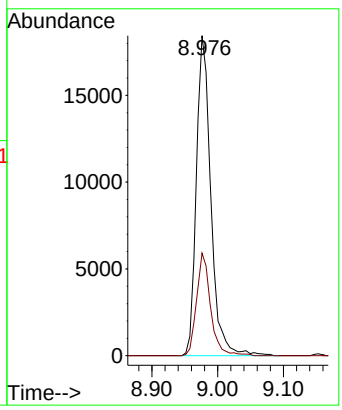




#53
t-1,3-Dichloropropene
Concen: 17.529 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 2817

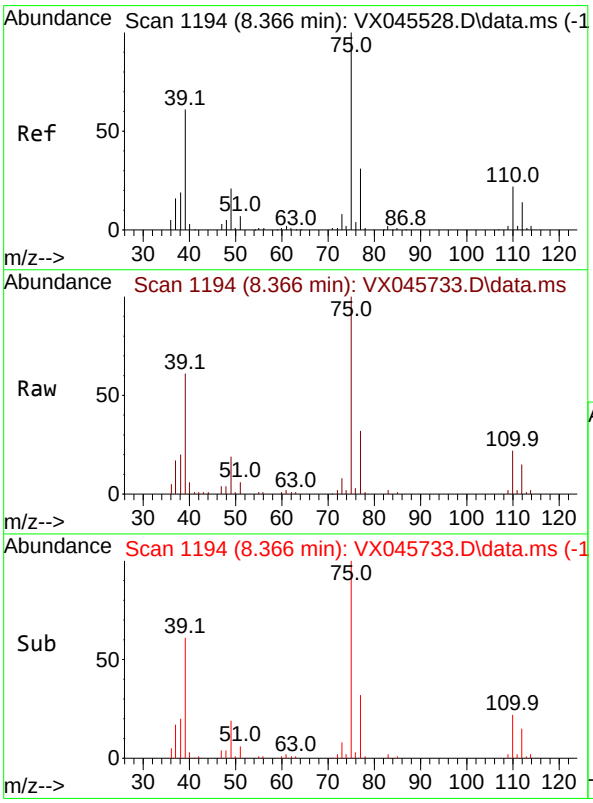
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

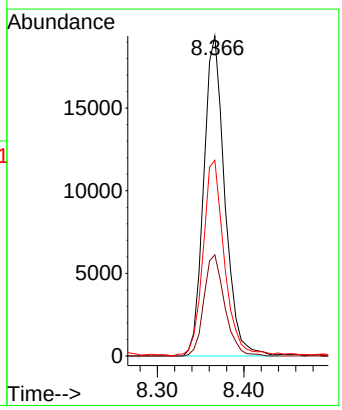
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

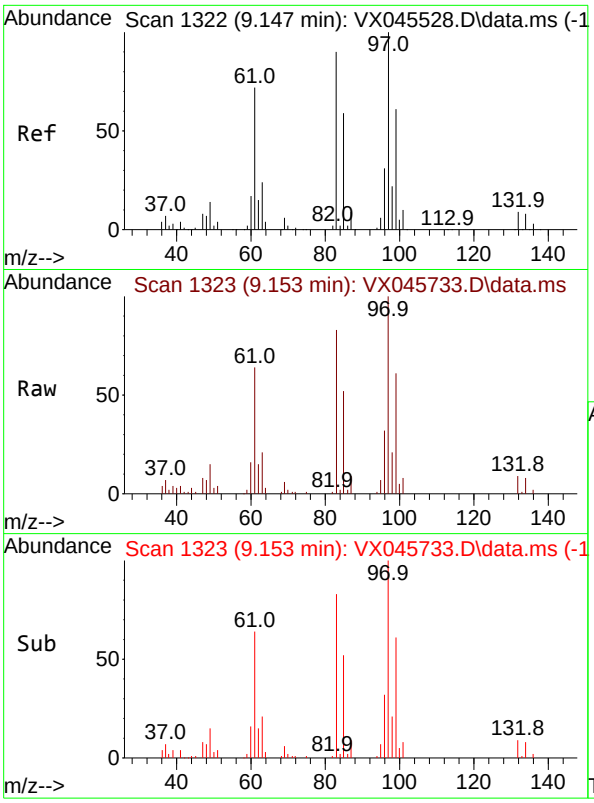


#54
cis-1,3-Dichloropropene
Concen: 18.999 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 32748

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8
39	60.6	48.4	72.6

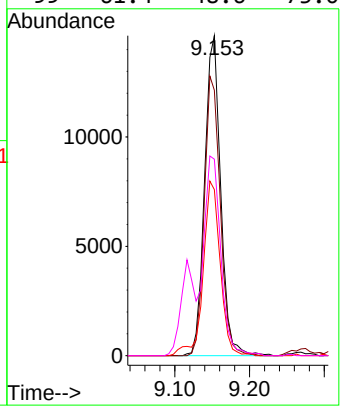




#55
1,1,2-Trichloroethane
Concen: 18.911 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 97 Resp: 2186

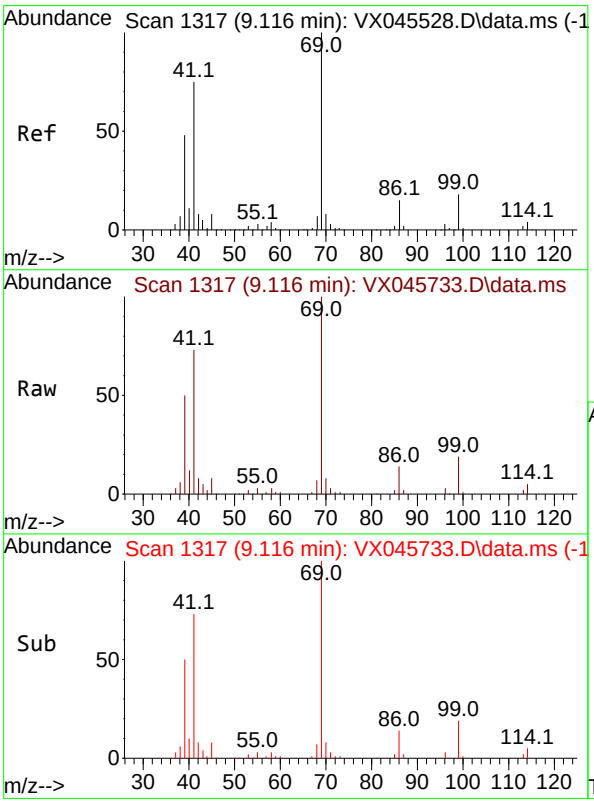
Ion	Ratio	Lower	Upper
97	100		
83	83.0	71.8	107.8
85	51.9	47.0	70.6
99	61.4	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

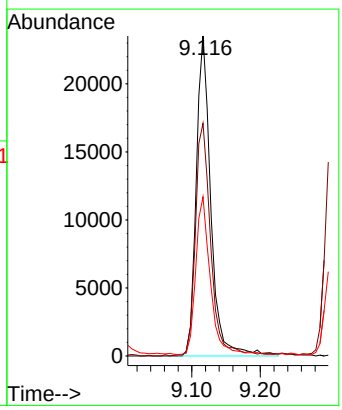
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

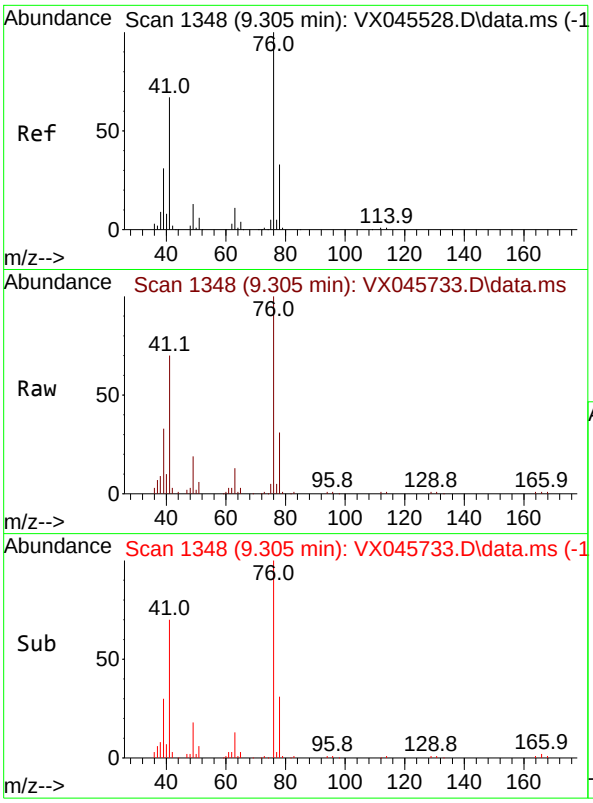


#56
Ethyl methacrylate
Concen: 19.520 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 69 Resp: 34930

Ion	Ratio	Lower	Upper
69	100		
41	76.0	61.3	91.9
39	49.0	40.2	60.2

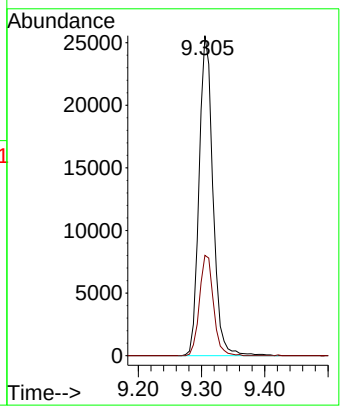




#57
1,3-Dichloropropane
Concen: 19.398 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 76 Resp: 3905

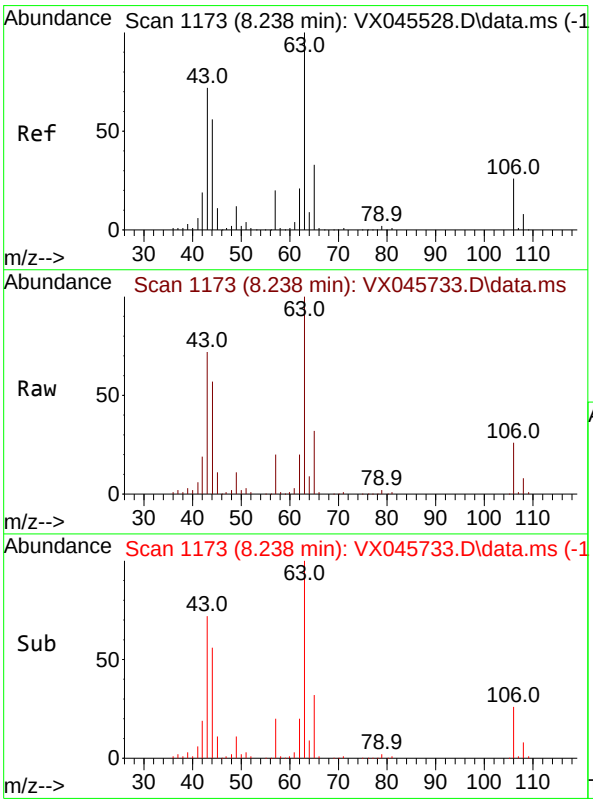
Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
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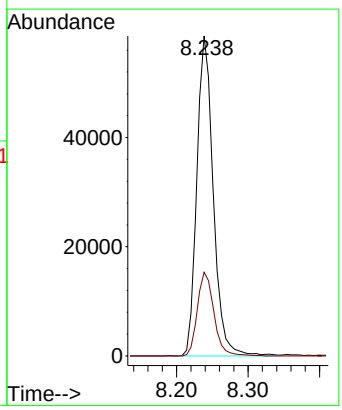
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

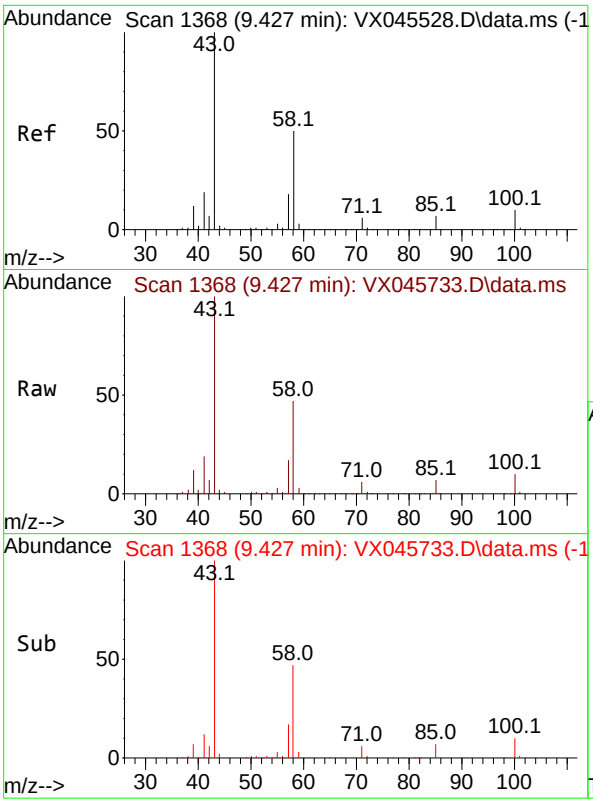


#58
2-Chloroethyl Vinyl ether
Concen: 103.408 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 63 Resp: 93610

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.6

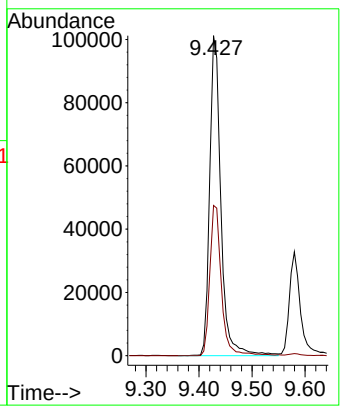




#59
2-Hexanone
Concen: 100.631 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 14815

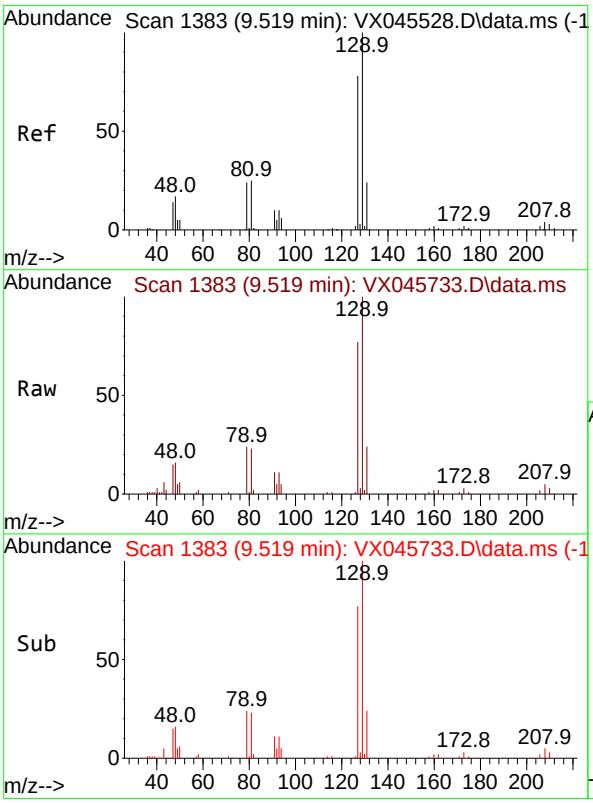
Ion	Ratio	Lower	Upper
43	100		
58	48.6	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

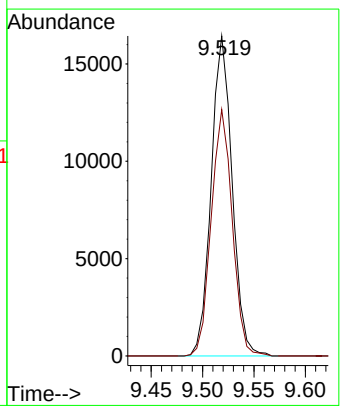
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

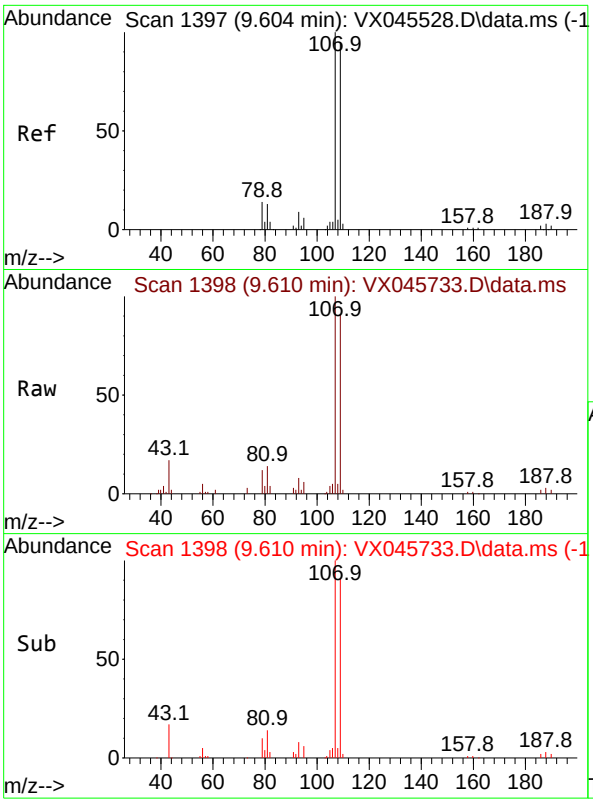


#60
Dibromochloromethane
Concen: 18.479 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:129 Resp: 23294

Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.4	118.2

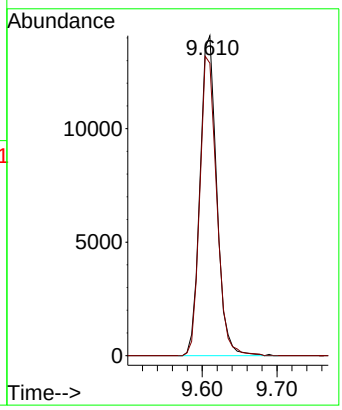




#61
1,2-Dibromoethane
Concen: 18.642 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:107 Resp: 2182

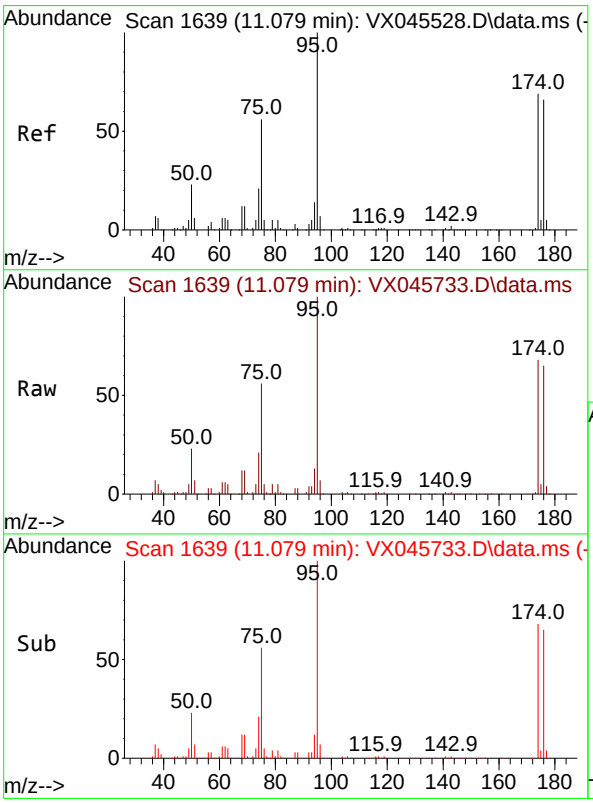
Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

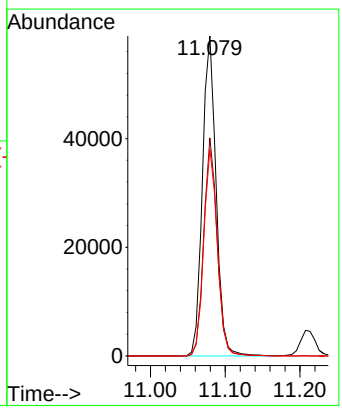
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

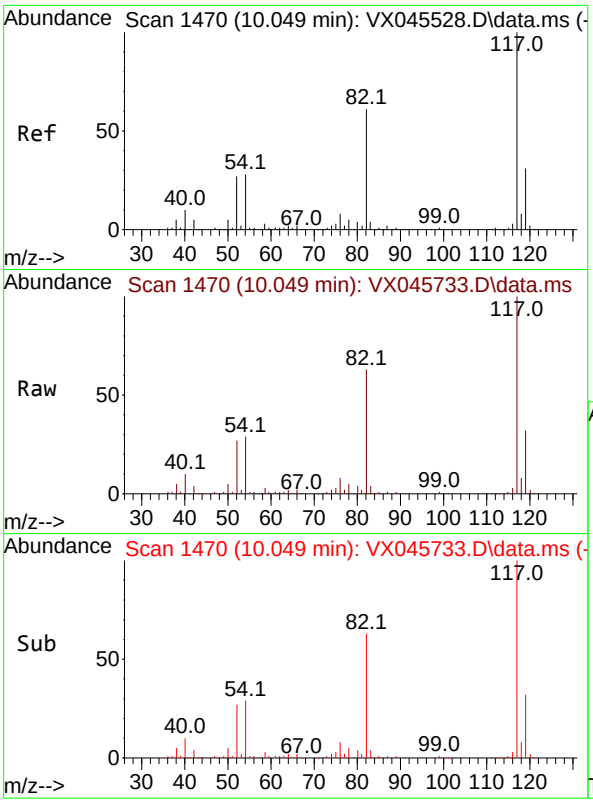


#62
4-Bromofluorobenzene
Concen: 50.570 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 95 Resp: 74766

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	135.8
176	64.4	0.0	131.4

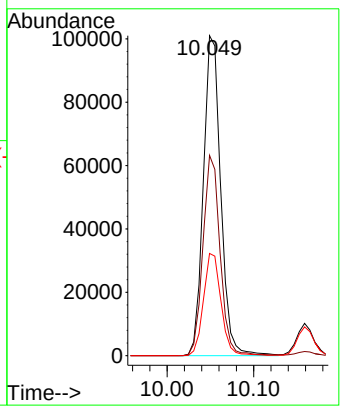




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:117 Resp: 14088

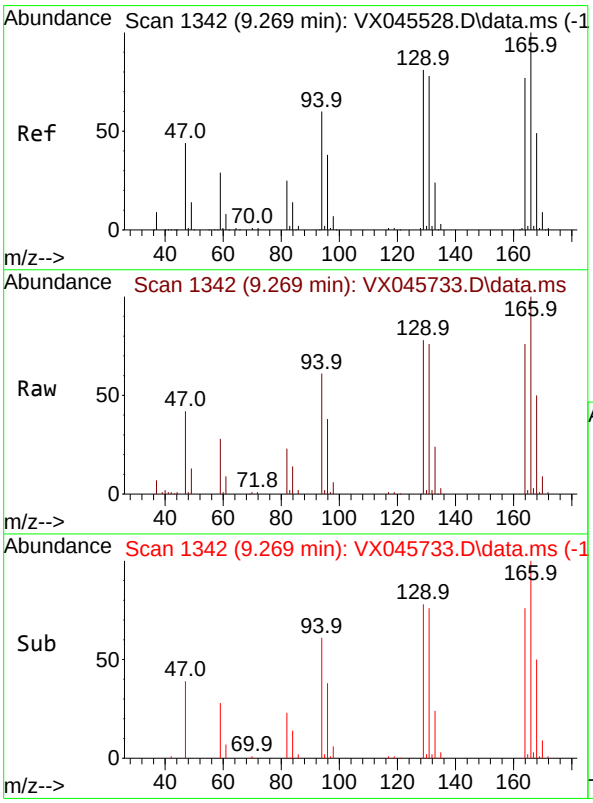
Ion	Ratio	Lower	Upper
117	100		
82	62.6	49.2	73.8
119	32.0	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

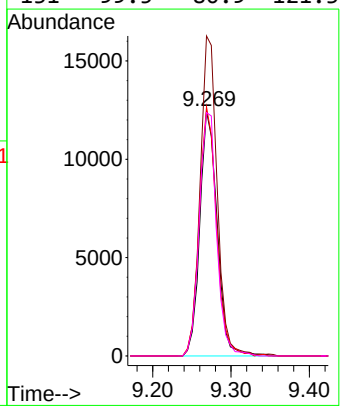
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

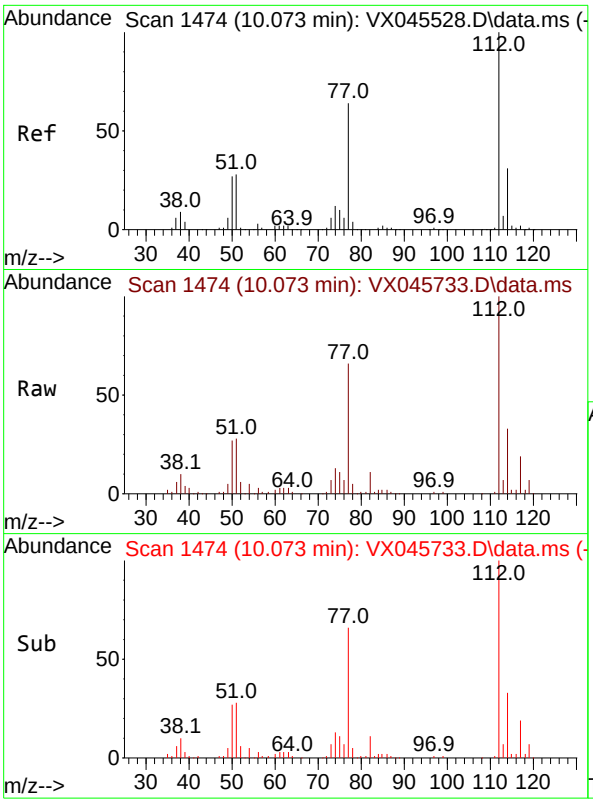


#64
Tetrachloroethene
Concen: 19.167 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:164 Resp: 19066

Ion	Ratio	Lower	Upper
164	100		
166	130.8	103.8	155.8
129	101.8	84.3	126.5
131	99.5	80.9	121.3

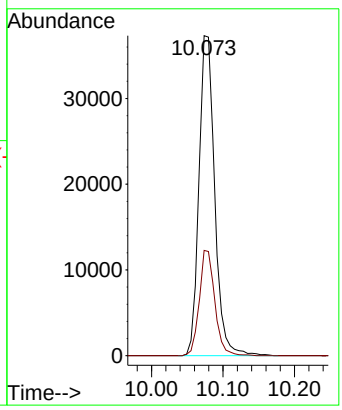




#65
Chlorobenzene
Concen: 18.962 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:112 Resp: 5708

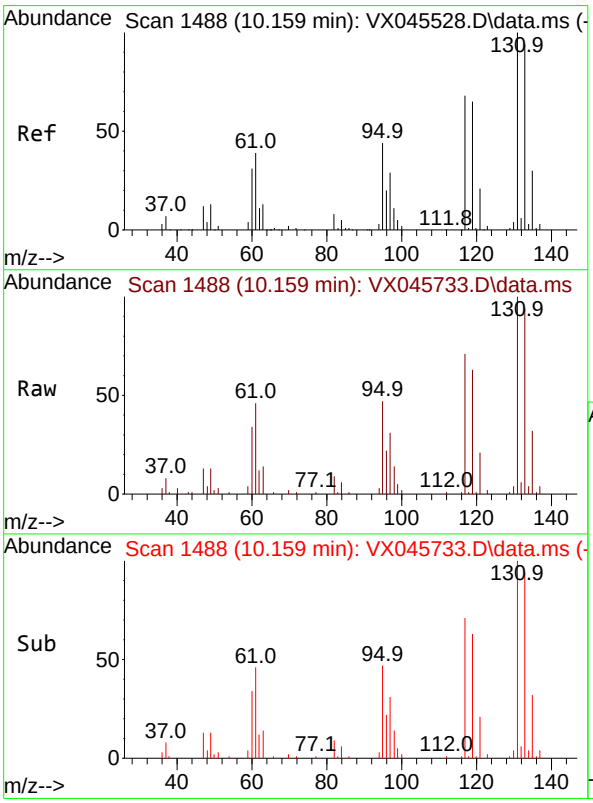
Ion	Ratio	Lower	Upper
112	100		
114	32.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

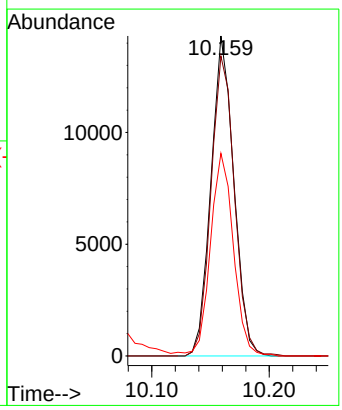
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

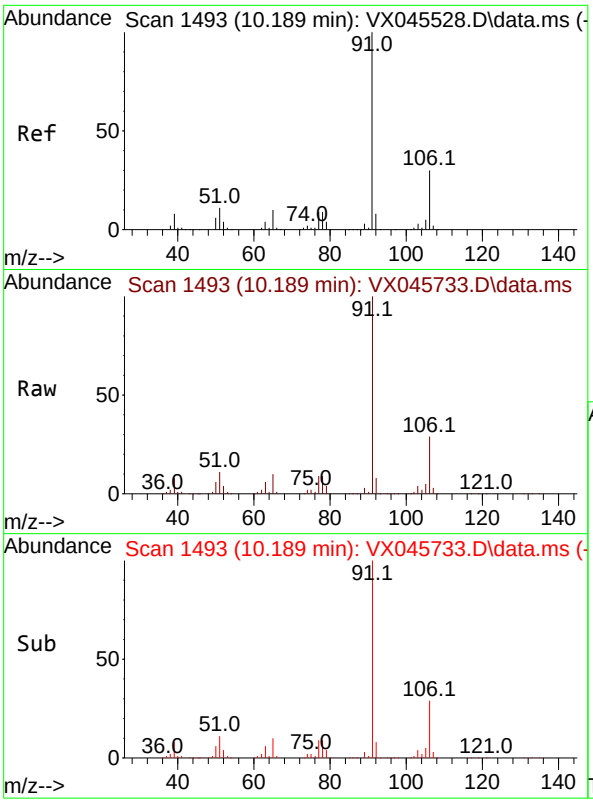


#66
1,1,1,2-Tetrachloroethane
Concen: 18.518 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:131 Resp: 19355

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.5	142.5
119	63.4	32.9	98.6

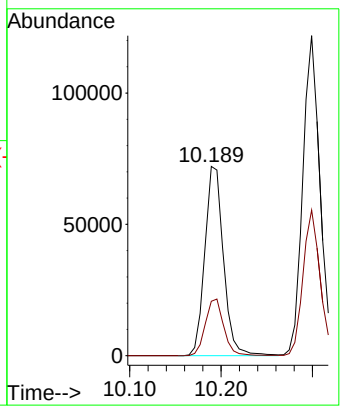




#67
Ethyl Benzene
Concen: 18.957 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 91 Resp: 10221

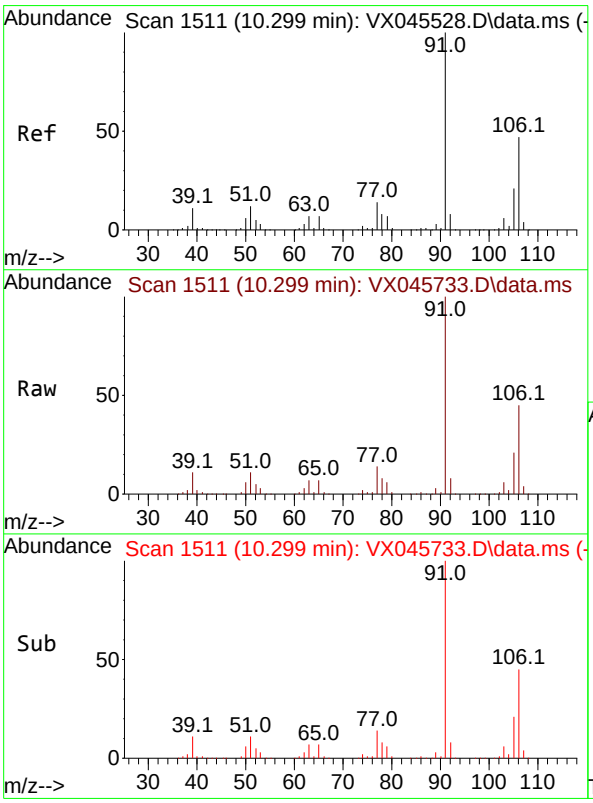
Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

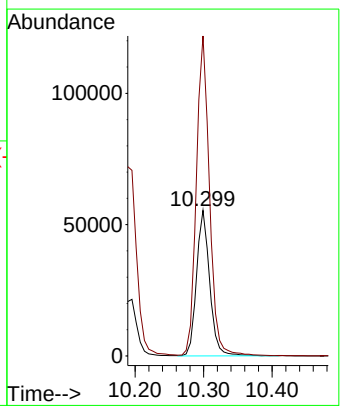
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

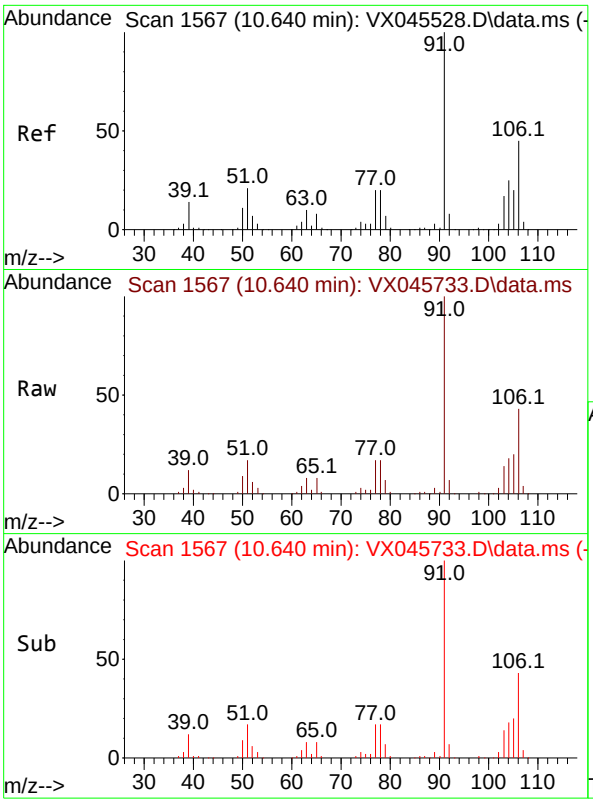


#68
m/p-Xylenes
Concen: 37.692 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:106 Resp: 73917

Ion	Ratio	Lower	Upper
106	100		
91	219.9	172.6	258.8

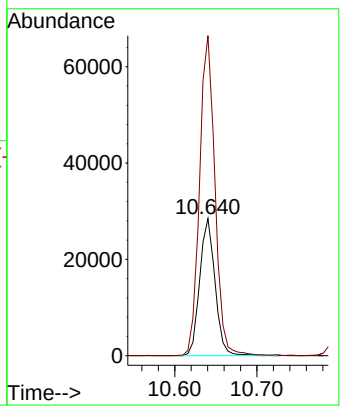




#69
o-Xylene
Concen: 19.111 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:106 Resp: 3691

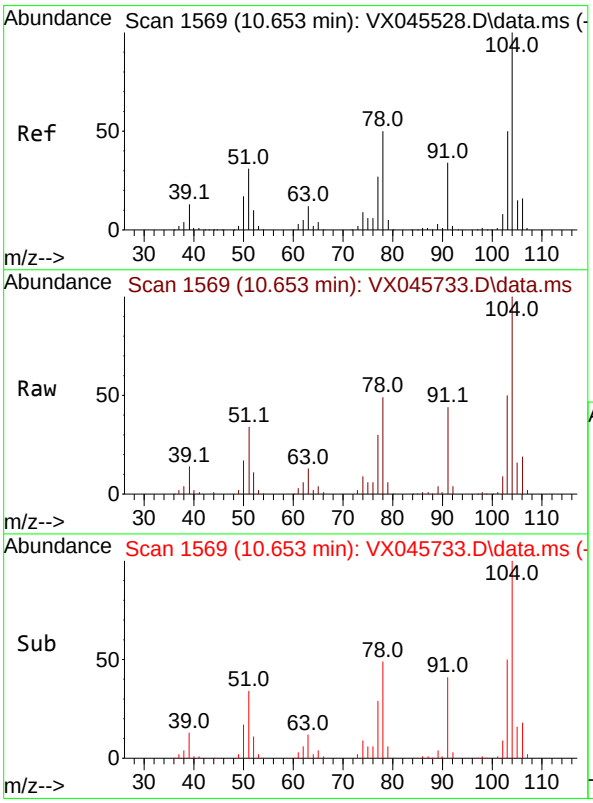
Ion	Ratio	Lower	Upper
106	100		
91	235.4	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

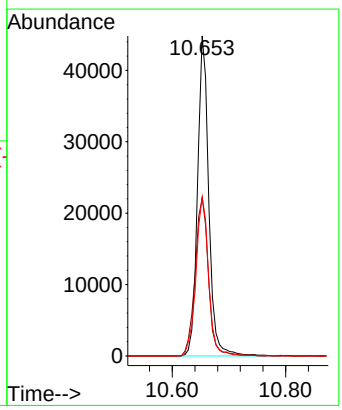
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

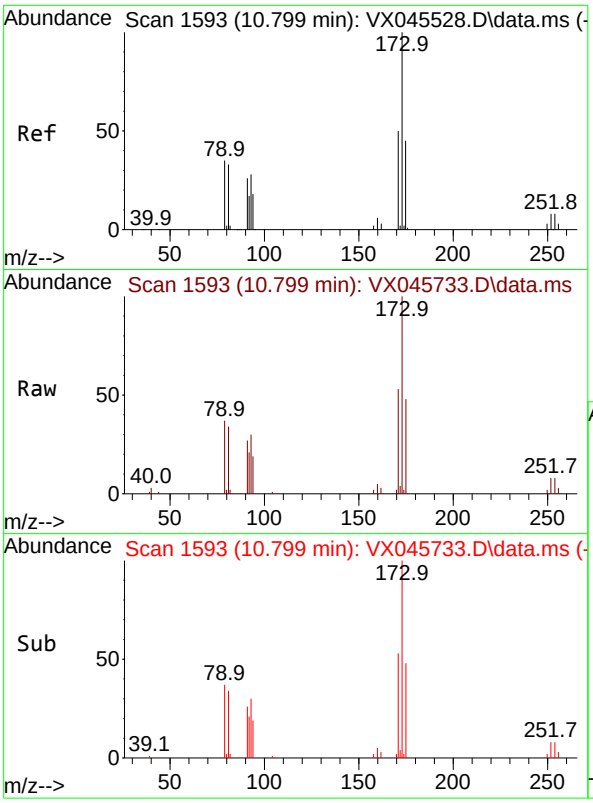


#70
Styrene
Concen: 19.348 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:104 Resp: 61692

Ion	Ratio	Lower	Upper
104	100		
78	58.3	45.4	68.2
103	56.1	43.8	65.8





#71
Bromoform
Concen: 17.924 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

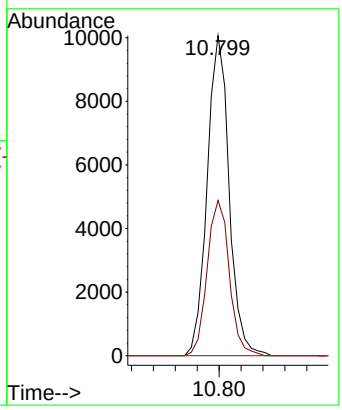
Tgt Ion:173 Resp: 1398

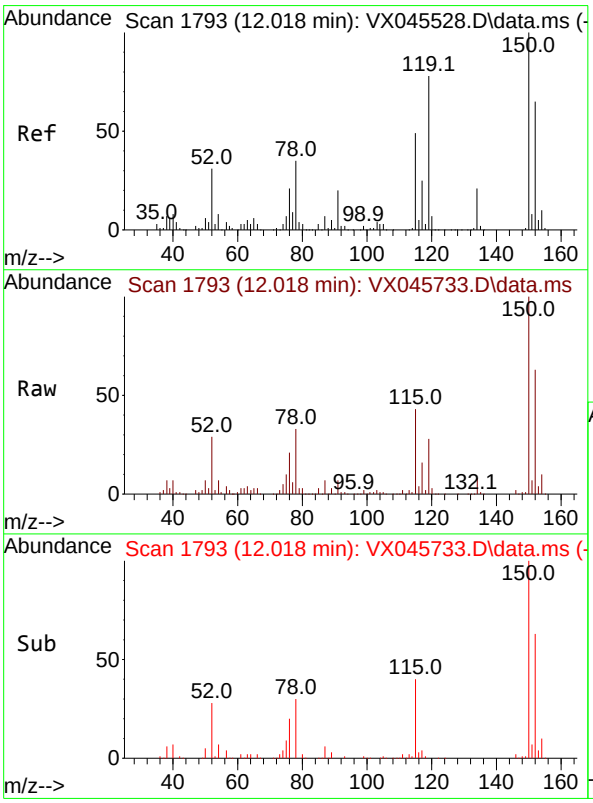
Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.4	70.2
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

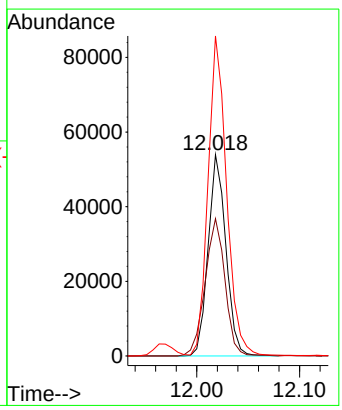


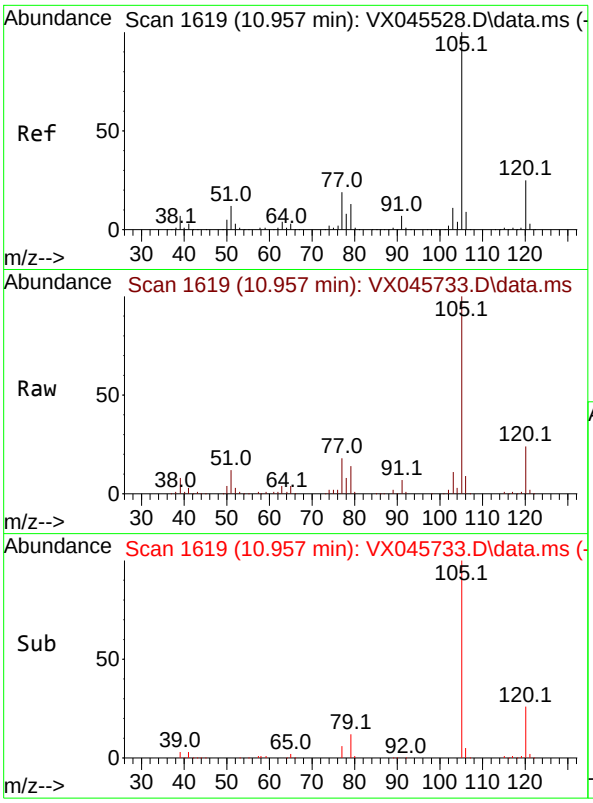


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:152 Resp: 64715

Ion	Ratio	Lower	Upper
152	100		
115	76.4	46.9	140.7
150	165.8	0.0	349.4

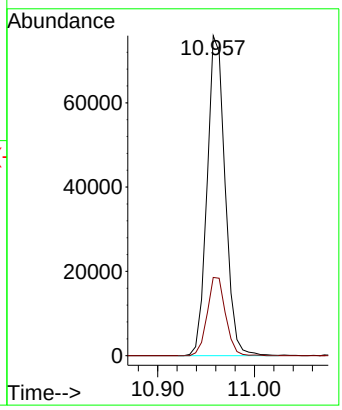




#73
Isopropylbenzene
Concen: 18.994 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:105 Resp: 9846

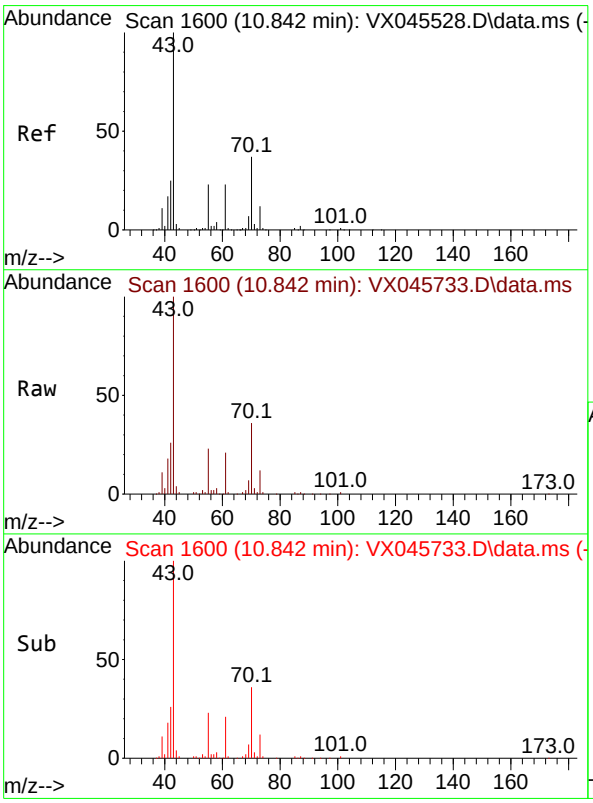
Ion	Ratio	Lower	Upper
105	100		
120	24.9	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

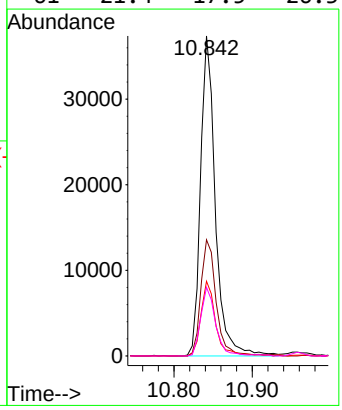
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

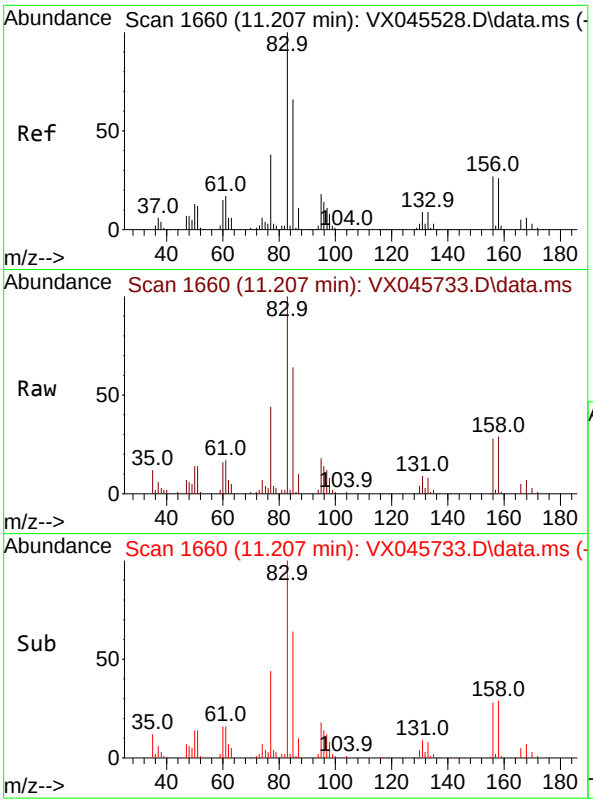


#74
N-amyl acetate
Concen: 19.784 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 43 Resp: 49056

Ion	Ratio	Lower	Upper
43	100		
70	37.9	30.1	45.1
55	23.3	18.3	27.5
61	21.4	17.5	26.3

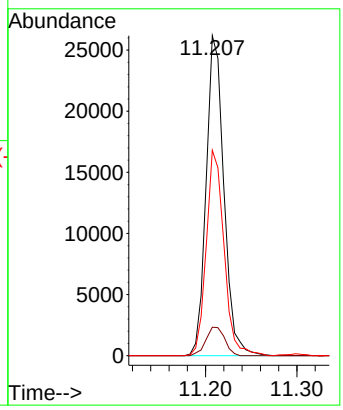




#75
1,1,2,2-Tetrachloroethane
Concen: 19.330 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 83 Resp: 3520

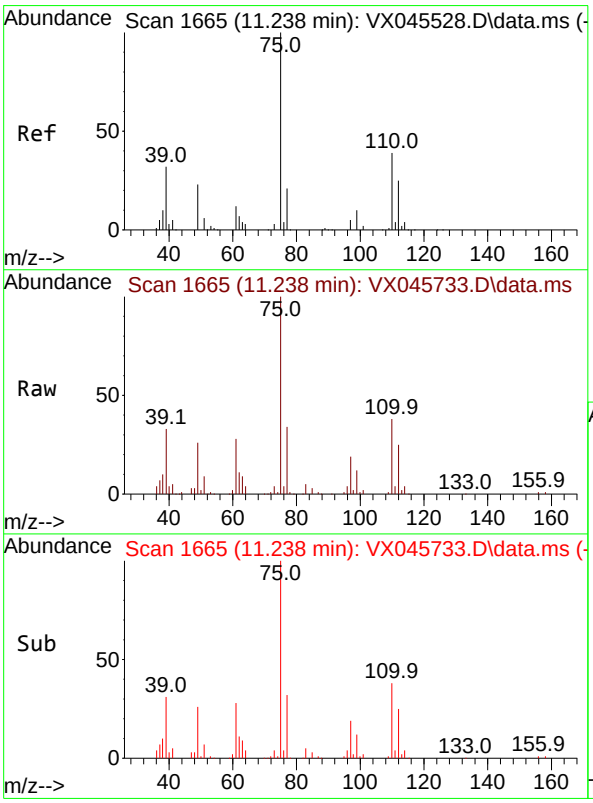
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	64.3	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

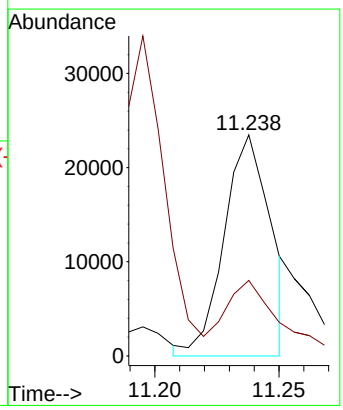
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

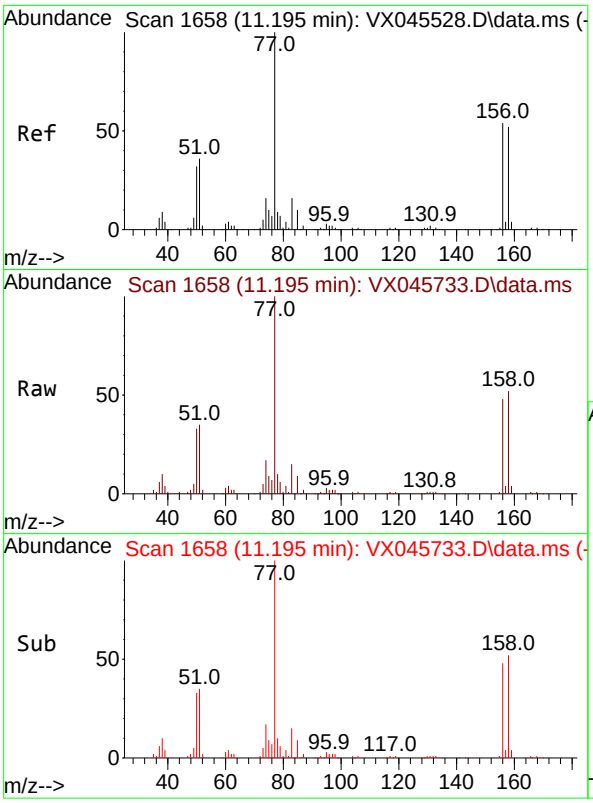


#76
1,2,3-Trichloropropane
Concen: 19.306 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 30476

Ion	Ratio	Lower	Upper
75	100		
77	40.5	20.0	59.9

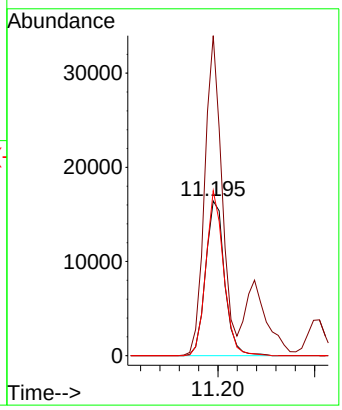




#77
Bromobenzene
Concen: 18.691 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:156 Resp: 2238

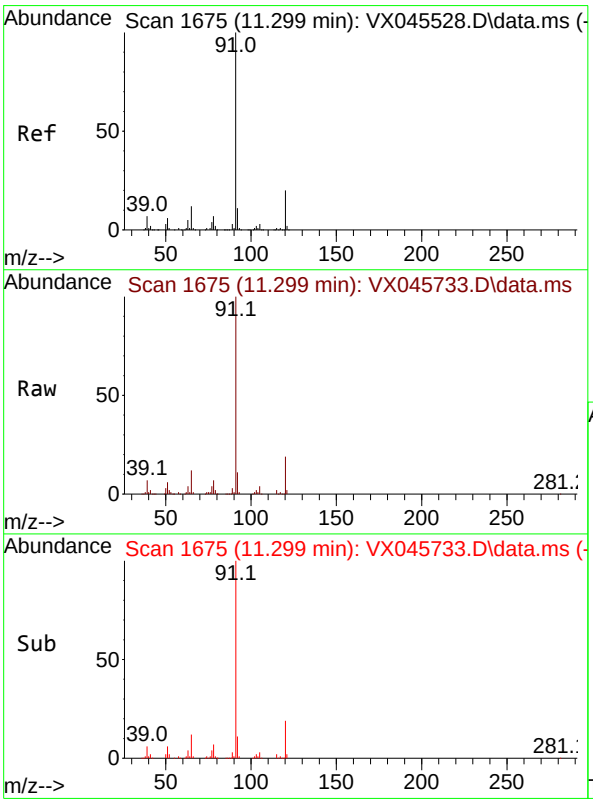
Ion	Ratio	Lower	Upper
156	100		
77	188.3	92.6	277.8
158	100.1	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

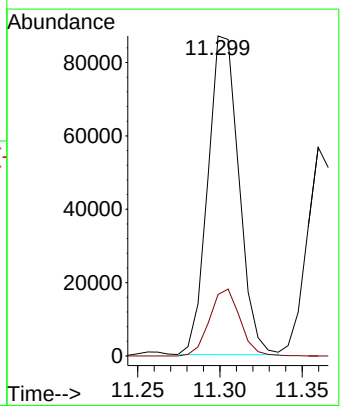
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

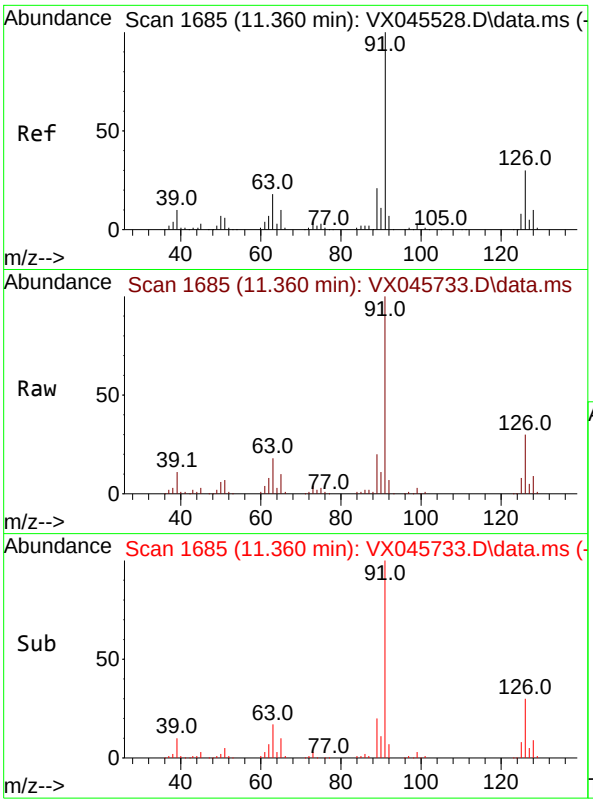


#78
n-propylbenzene
Concen: 19.111 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 91 Resp: 114109

Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.8	32.3

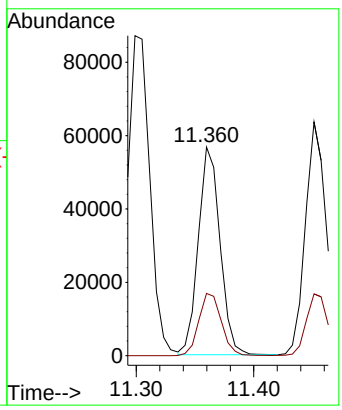




#79
2-Chlorotoluene
Concen: 19.016 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 91 Resp: 7258

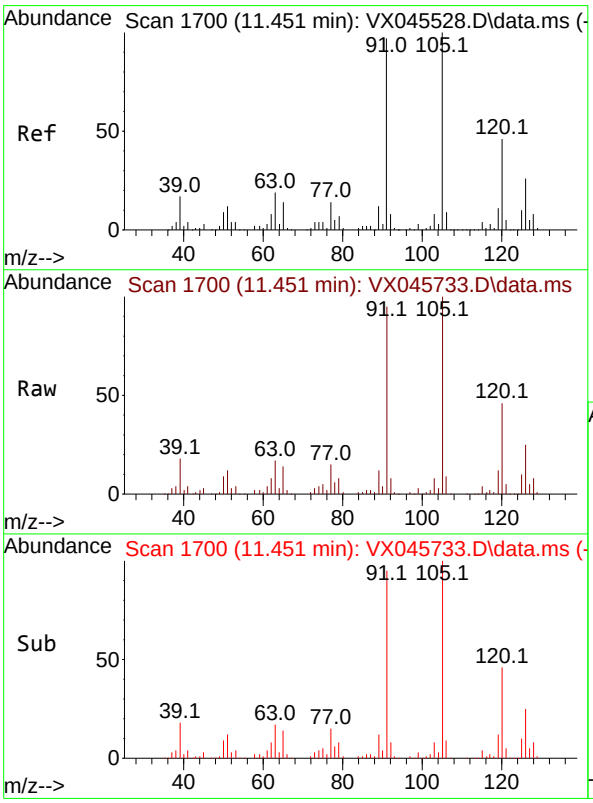
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

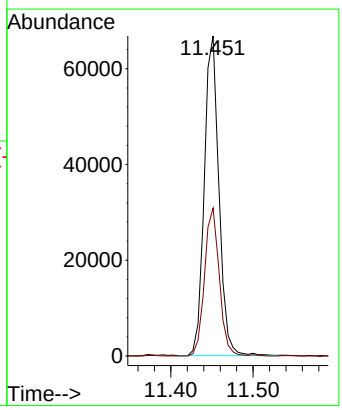
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

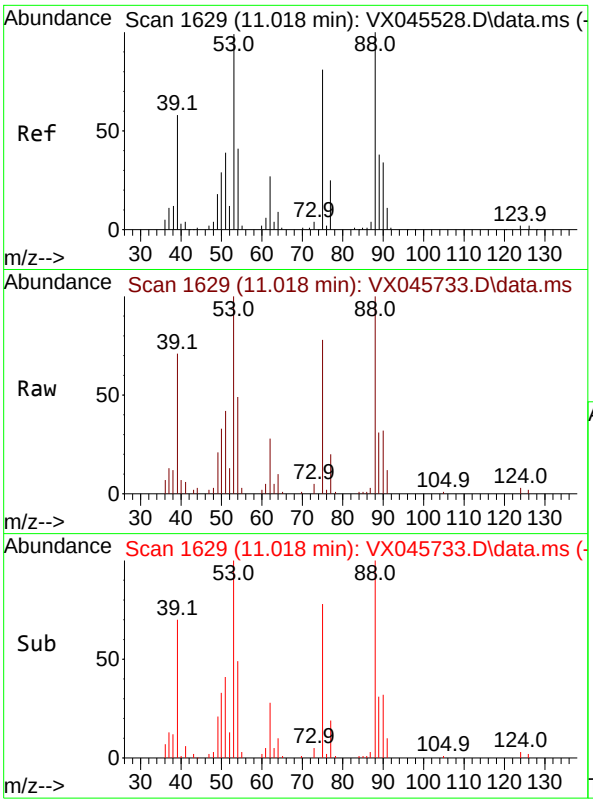


#80
1,3,5-Trimethylbenzene
Concen: 19.276 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:105 Resp: 82627

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 17.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

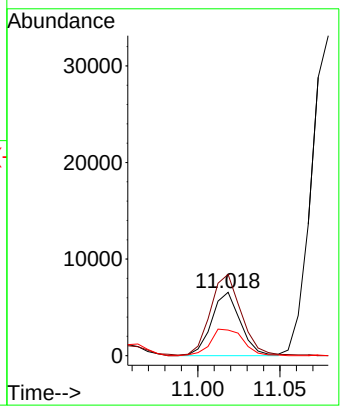
Tgt Ion: 75 Resp: 802

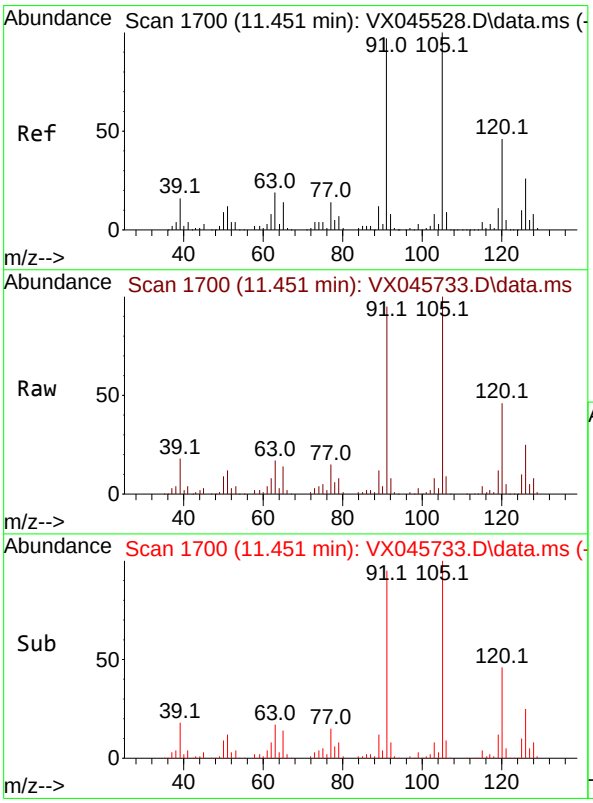
Ion	Ratio	Lower	Upper
75	100		
53	137.7	101.8	152.6
89	47.6	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

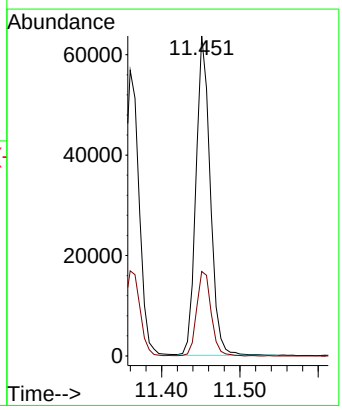


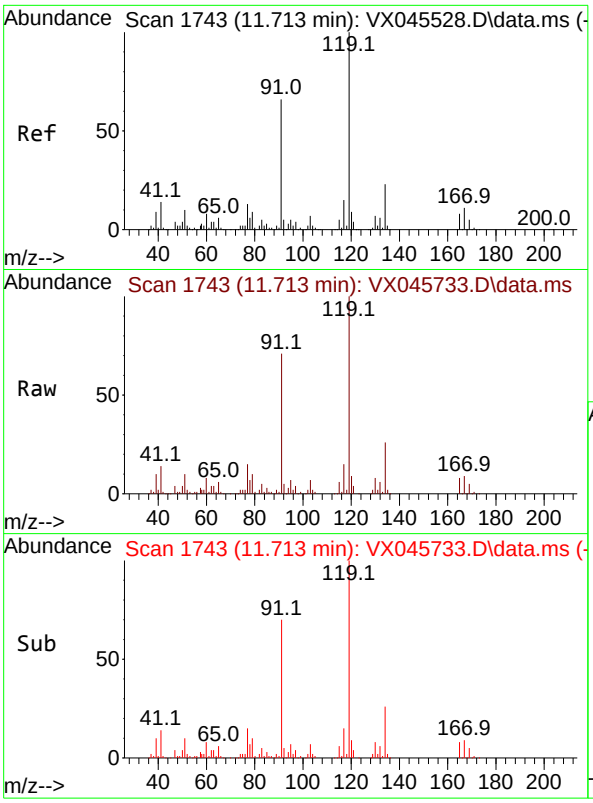


#82
4-Chlorotoluene
Concen: 18.901 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 91 Resp: 80441

Ion	Ratio	Lower	Upper
91	100		
126	27.1	13.3	39.9

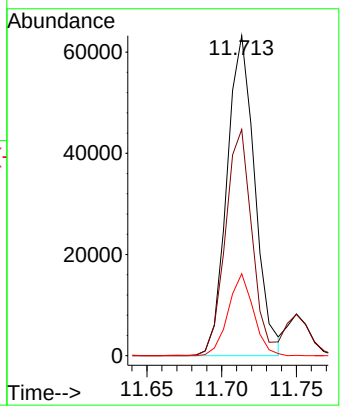




#83
tert-Butylbenzene
Concen: 19.303 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:119 Resp: 8191

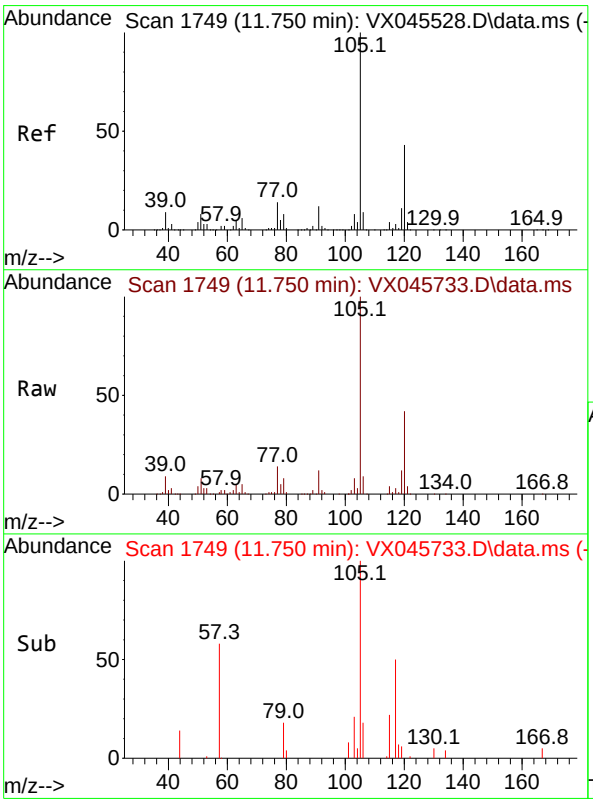
Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.4	97.2
134	23.3	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

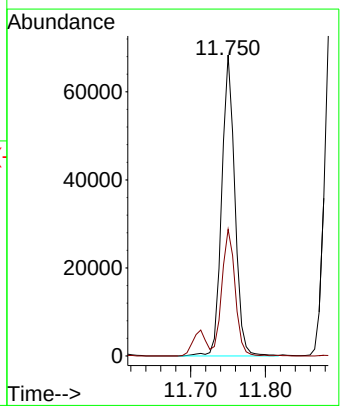
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

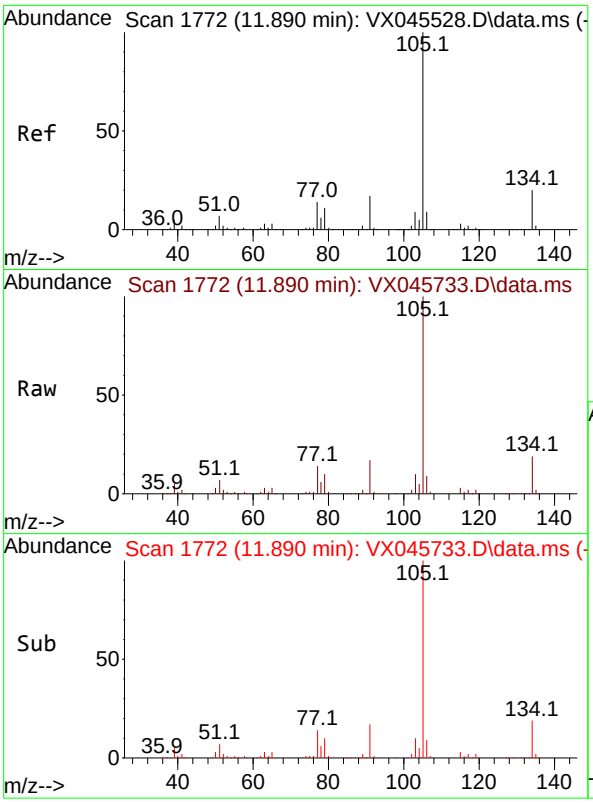


#84
1,2,4-Trimethylbenzene
Concen: 19.476 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:105 Resp: 83790

Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.4	64.3

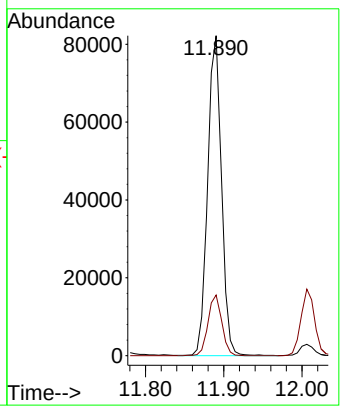




#85
sec-Butylbenzene
Concen: 19.303 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:105 Resp: 10061

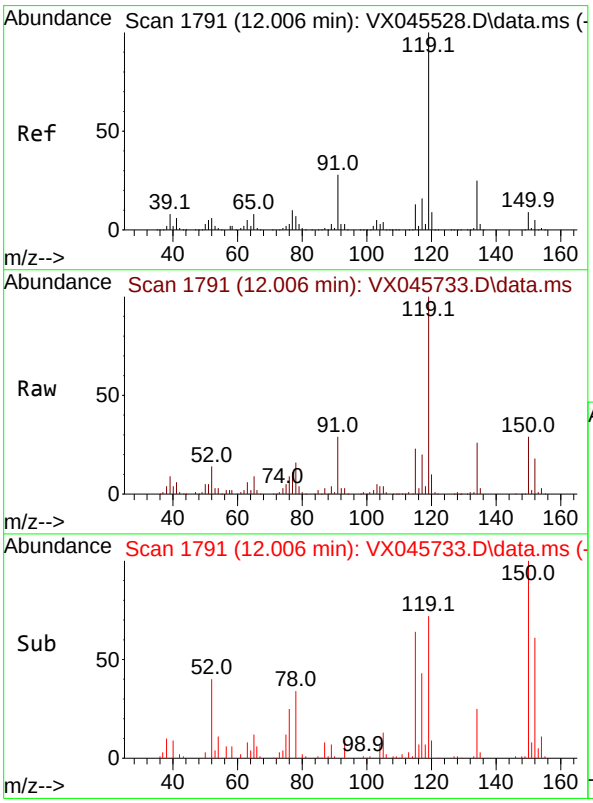
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

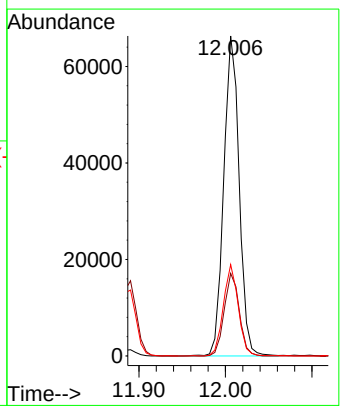
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

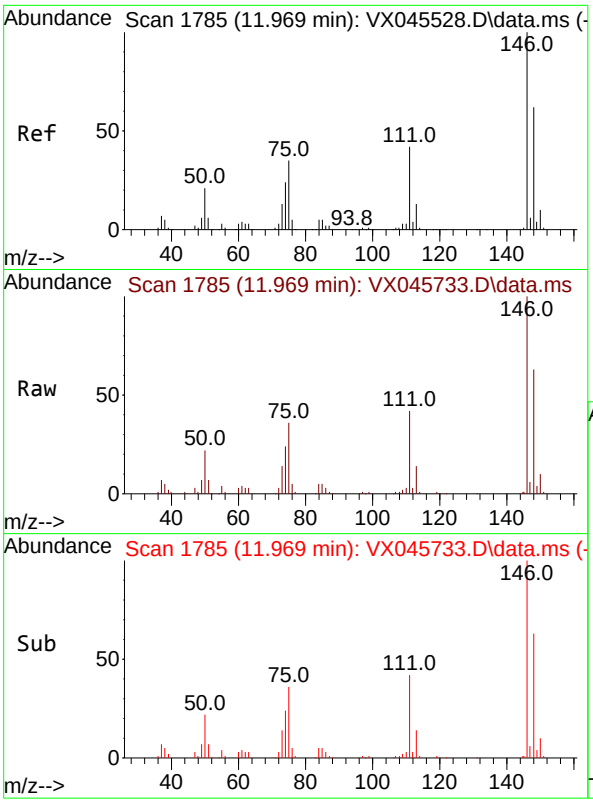


#86
p-Isopropyltoluene
Concen: 19.086 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:119 Resp: 82019

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	27.6	13.7	41.1

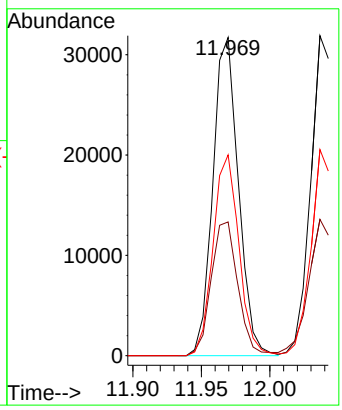




#87
1,3-Dichlorobenzene
Concen: 18.850 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:146 Resp: 4109

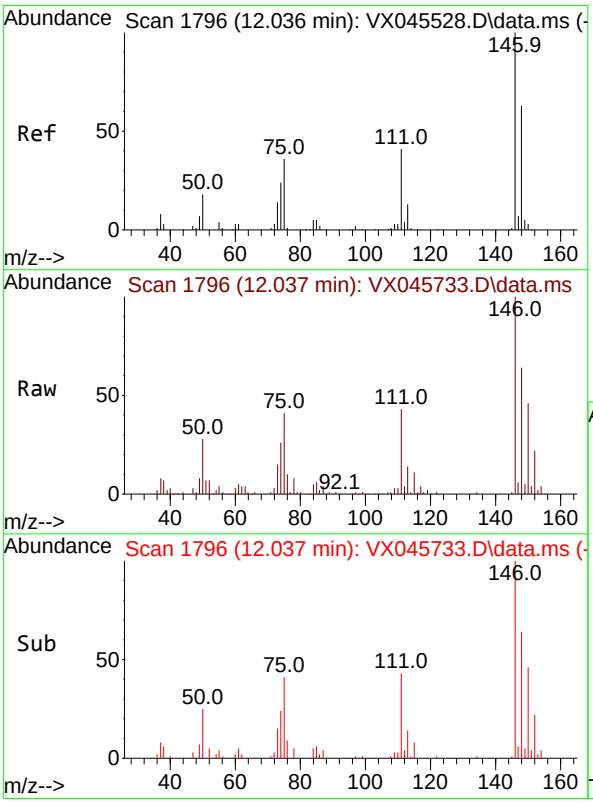
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.2	66.6
148	63.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

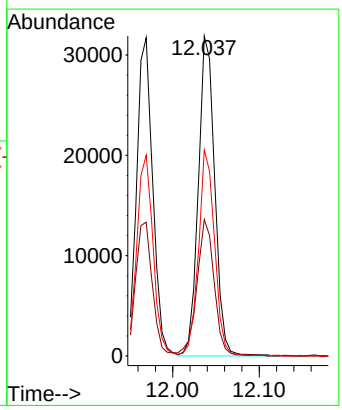
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

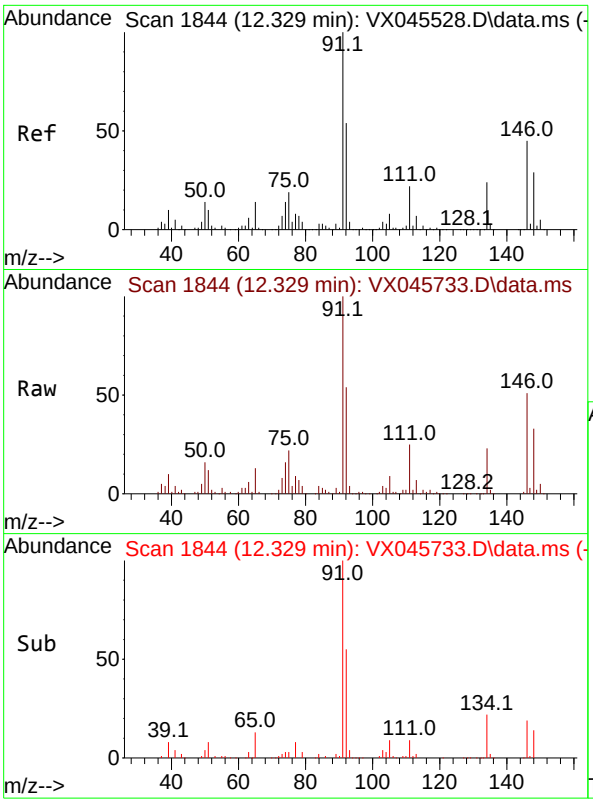


#88
1,4-Dichlorobenzene
Concen: 19.032 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:146 Resp: 42067

Ion	Ratio	Lower	Upper
146	100		
111	44.4	20.9	62.8
148	63.3	31.5	94.5

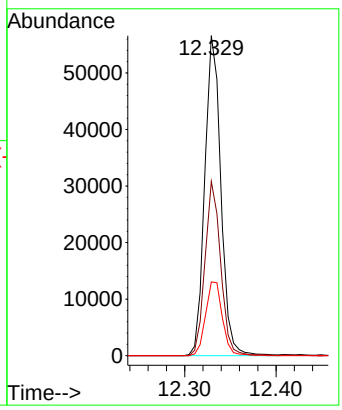




#89
n-Butylbenzene
Concen: 18.556 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 91 Resp: 6914

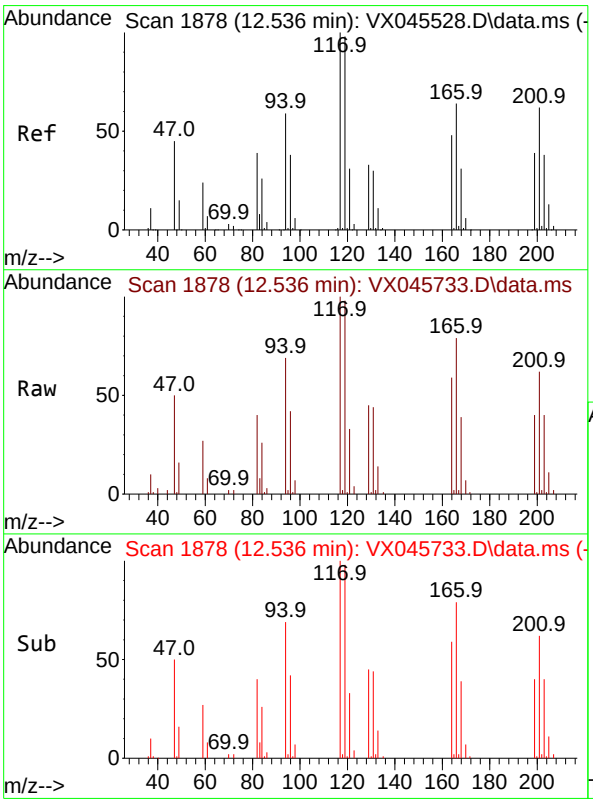
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.6
134	24.1	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

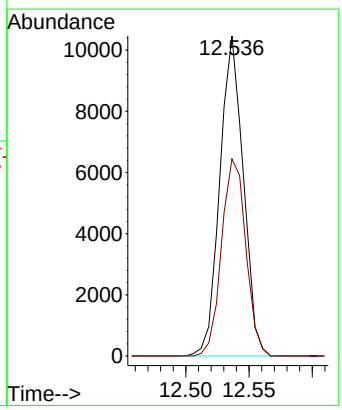
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

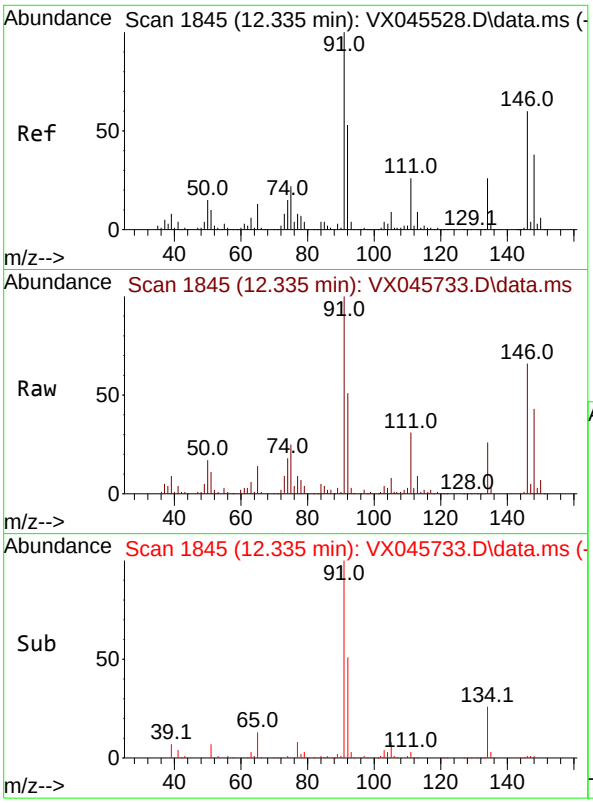


#90
Hexachloroethane
Concen: 18.250 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:117 Resp: 13478

Ion	Ratio	Lower	Upper
117	100		
201	63.8	31.2	93.6

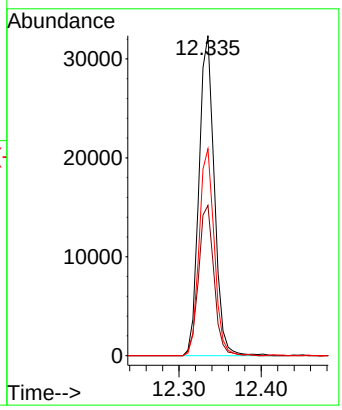




#91
1,2-Dichlorobenzene
Concen: 19.371 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:146 Resp: 4198

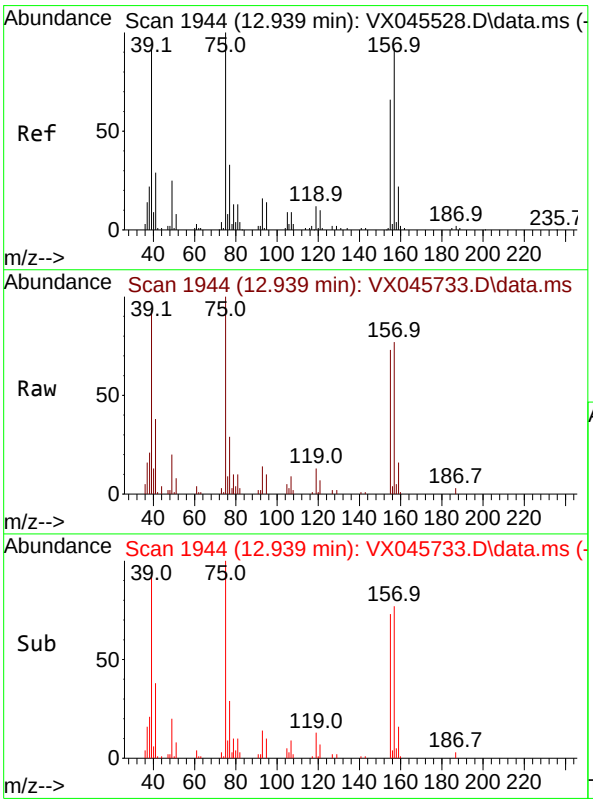
Ion	Ratio	Lower	Upper
146	100		
111	47.1	22.9	68.8
148	63.6	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

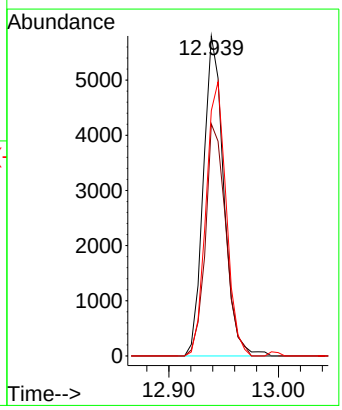
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

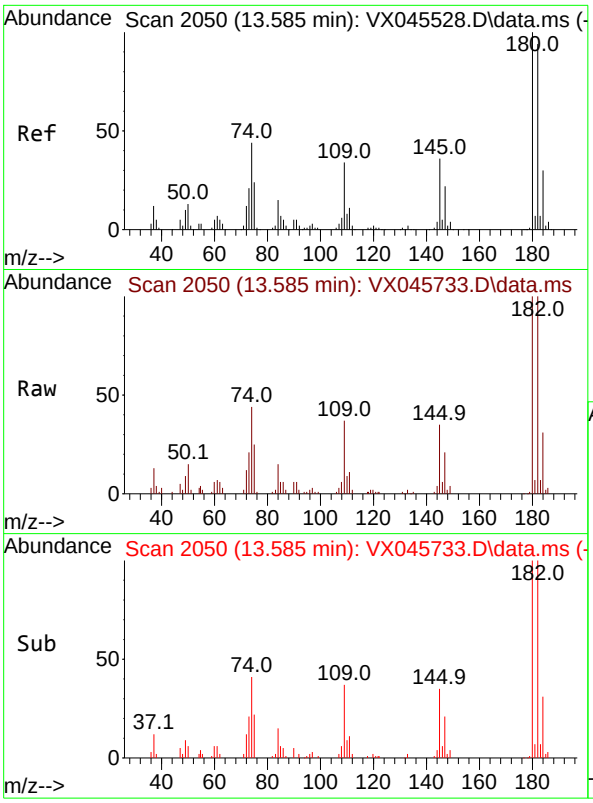


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.678 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion: 75 Resp: 7494

Ion	Ratio	Lower	Upper
75	100		
155	72.1	34.9	104.7
157	84.7	44.9	134.7

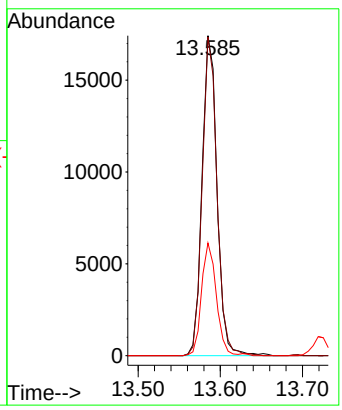




#93
1,2,4-Trichlorobenzene
Concen: 18.258 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:180 Resp: 2202

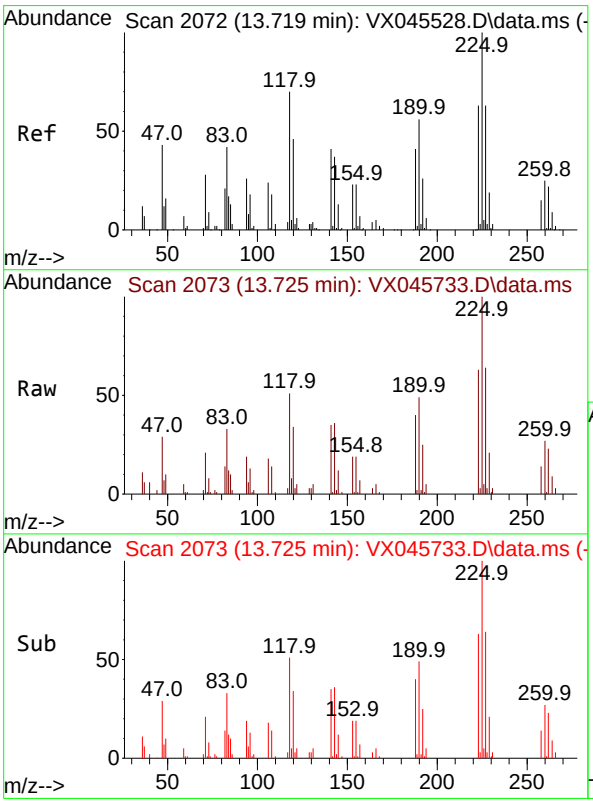
Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.9	143.6
145	35.0	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations APPROVED

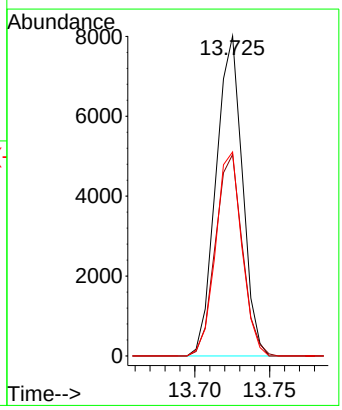
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

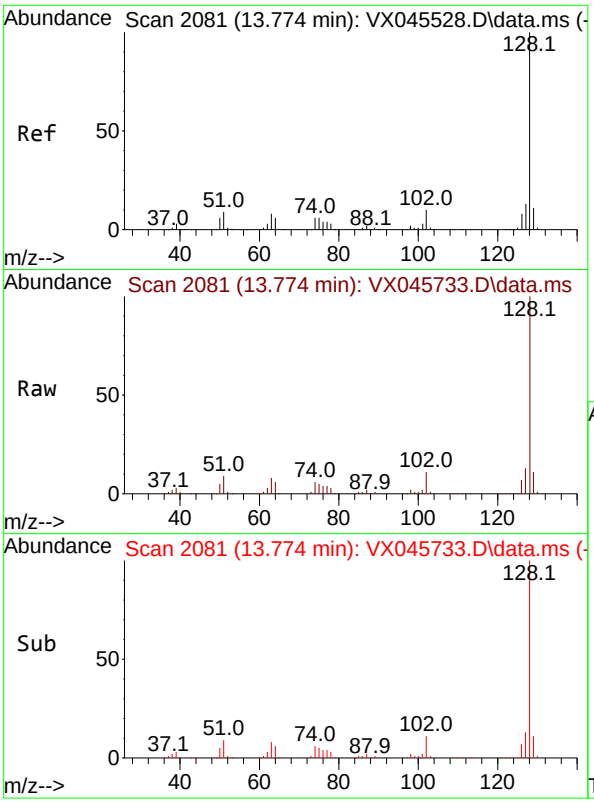


#94
Hexachlorobutadiene
Concen: 18.901 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:225 Resp: 9827

Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.1	93.3
227	63.5	32.2	96.6

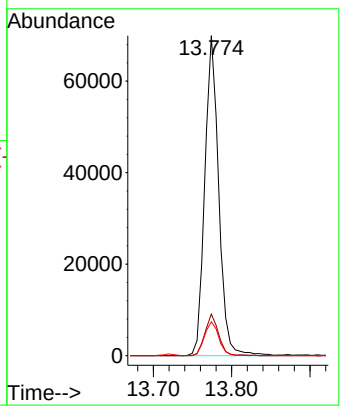




#95
Naphthalene
Concen: 19.203 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:128 Resp: 8622

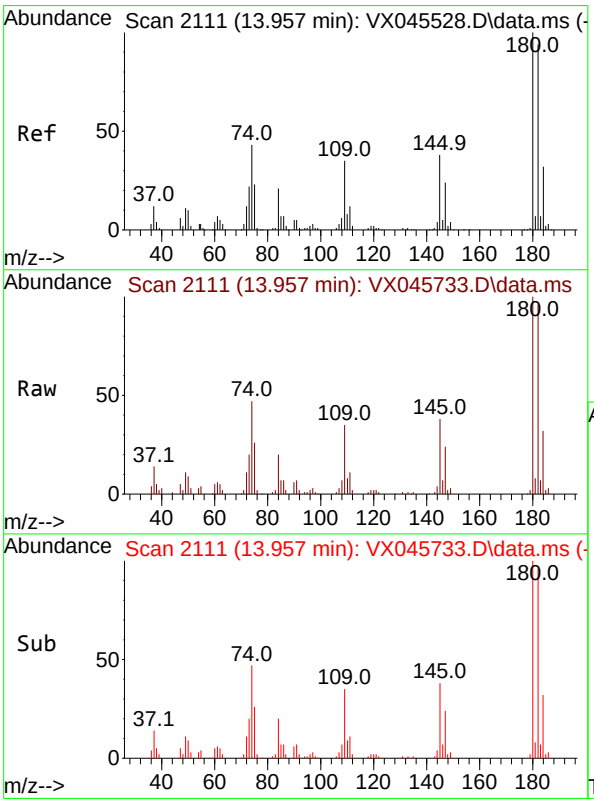
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBS01

Manual Integrations
APPROVED

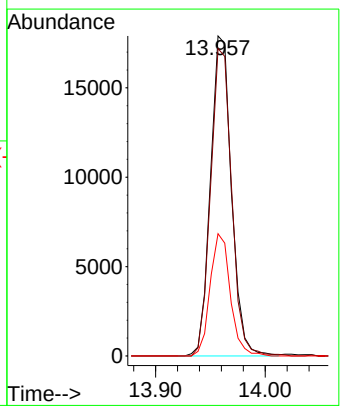
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.866 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045733.D
Acq: 11 Apr 2025 11:55

Tgt Ion:180 Resp: 23835

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.8
145	36.8	18.2	54.6



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0414MBS01	SDG No.:	Q1790
Lab Sample ID:	VX0414MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group4
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045758.D	1		04/14/25 11:04	VX041425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
79-01-6	Trichloroethene	1800		81.0	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		38 - 136	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	93300	5.544			
540-36-3	1,4-Difluorobenzene	167000	6.757			
3114-55-4	Chlorobenzene-d5	144000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	65400	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045758.D
Acq On : 14 Apr 2025 11:04
Operator : JC/MD
Sample : VX0414MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 15 01:26:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	93283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167485	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	143860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91067	53.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.760%			
35) Dibromofluoromethane	5.379	113	63318	53.284	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.560%			
50) Toluene-d8	8.647	98	210957	50.862	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.720%			
62) 4-Bromofluorobenzene	11.079	95	77792	51.491	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	26402	18.926	ug/l	95
3) Chloromethane	1.307	50	25865	18.047	ug/l	97
4) Vinyl Chloride	1.374	62	22648	17.268	ug/l	97
5) Bromomethane	1.593	94	10588	17.025	ug/l	99
6) Chloroethane	1.666	64	13467	19.353	ug/l	99
7) Trichlorofluoromethane	1.874	101	36644	18.736	ug/l	98
8) Diethyl Ether	2.136	74	11728	17.861	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.319	101	21482	18.744	ug/l	97
10) Methyl Iodide	2.447	142	24268	16.976	ug/l	97
11) Tert butyl alcohol	2.977	59	22404	97.723	ug/l	98
12) 1,1-Dichloroethene	2.307	96	20147	17.991	ug/l	95
13) Acrolein	2.233	56	20186	63.939	ug/l	97
14) Allyl chloride	2.660	41	38858	18.288	ug/l	99
15) Acrylonitrile	3.069	53	67941	93.881	ug/l	99
16) Acetone	2.386	43	66480	94.905	ug/l	97
17) Carbon Disulfide	2.502	76	41512	15.009	ug/l	100
18) Methyl Acetate	2.703	43	35876	22.245	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	72617	18.537	ug/l	97
20) Methylene Chloride	2.782	84	23853	18.189	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	20017	17.496	ug/l	98
22) Diisopropyl ether	3.758	45	77415	18.496	ug/l #	84
23) Vinyl Acetate	3.721	43	328660	90.883	ug/l	100
24) 1,1-Dichloroethane	3.605	63	43875	18.535	ug/l	99
25) 2-Butanone	4.556	43	98578	96.138	ug/l	99
26) 2,2-Dichloropropane	4.471	77	31375	20.515	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	25080	17.993	ug/l	97
28) Bromochloromethane	4.891	49	21258	18.584	ug/l	99
29) Tetrahydrofuran	5.007	42	61920	93.143	ug/l	99
30) Chloroform	5.087	83	46813	19.220	ug/l	91
31) Cyclohexane	5.465	56	35886	17.149	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	38847	18.849	ug/l	100
36) 1,1-Dichloropropene	5.684	75	28439	17.725	ug/l	98
37) Ethyl Acetate	4.715	43	36130	17.869	ug/l	99
38) Carbon Tetrachloride	5.666	117	33113	19.096	ug/l	99
39) Methylcyclohexane	7.373	83	33822	17.197	ug/l	96
40) Benzene	6.032	78	88892	18.141	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045758.D
Acq On : 14 Apr 2025 11:04
Operator : JC/MD
Sample : VX0414MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 15 01:26:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations APPROVED
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	21213	19.884	ug/l		98
42) 1,2-Dichloroethane	6.086	62	38878	19.210	ug/l		100
43) Isopropyl Acetate	6.342	43	56478	18.430	ug/l		99
44) Trichloroethene	7.129	130	21433	18.402	ug/l		92
45) 1,2-Dichloropropane	7.428	63	22209	18.165	ug/l		96
46) Dibromomethane	7.580	93	17633	18.787	ug/l		99
47) Bromodichloromethane	7.818	83	34811	18.572	ug/l		99
48) Methyl methacrylate	7.690	41	29612	18.715	ug/l		99
49) 1,4-Dioxane	7.659	88	11725	409.572	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	198456	97.688	ug/l		99
52) Toluene	8.714	92	53050	17.891	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	28460	17.356	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	32703	18.567	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	22233	18.817	ug/l		97
56) Ethyl methacrylate	9.116	69	33856	18.515	ug/l		99
57) 1,3-Dichloropropane	9.305	76	38168	18.551	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	90324	97.644	ug/l		99
59) 2-Hexanone	9.427	43	148179	98.497	ug/l		98
60) Dibromochloromethane	9.519	129	24474	19.000	ug/l		99
61) 1,2-Dibromoethane	9.610	107	22971	19.205	ug/l		99
64) Tetrachloroethene	9.269	164	19477	19.176	ug/l		94
65) Chlorobenzene	10.080	112	58073	18.891	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20643	19.342	ug/l		98
67) Ethyl Benzene	10.189	91	103410	18.783	ug/l		97
68) m/p-Xylenes	10.299	106	75752	37.830	ug/l		99
69) o-Xylene	10.640	106	37091	18.803	ug/l		96
70) Styrene	10.653	104	62843	19.302	ug/l		99
71) Bromoform	10.799	173	14959	18.772	ug/l	#	96
73) Isopropylbenzene	10.957	105	100559	19.203	ug/l		99
74) N-amyl acetate	10.842	43	46558	18.586	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34769	18.901	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	29675m	18.609	ug/l		
77) Bromobenzene	11.195	156	22717	18.775	ug/l		98
78) n-propylbenzene	11.299	91	113153	18.759	ug/l		99
79) 2-Chlorotoluene	11.360	91	73426	19.042	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	84497	19.513	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8441	17.965	ug/l		94
82) 4-Chlorotoluene	11.451	91	83434	19.406	ug/l		100
83) tert-Butylbenzene	11.713	119	84070	19.610	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	84525	19.448	ug/l		99
85) sec-Butylbenzene	11.890	105	103358	19.629	ug/l		99
86) p-Isopropyltoluene	12.006	119	83829	19.310	ug/l		99
87) 1,3-Dichlorobenzene	11.970	146	41658	18.914	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	42867	19.198	ug/l		98
89) n-Butylbenzene	12.329	91	71551	19.007	ug/l		99
90) Hexachloroethane	12.536	117	14522	19.465	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	42640	19.473	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7773	20.204	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	22358	18.343	ug/l		98
94) Hexachlorobutadiene	13.725	225	9996	19.032	ug/l		99
95) Naphthalene	13.774	128	85962	18.952	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	24099	18.882	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
Data File : VX045758.D
Acq On : 14 Apr 2025 11:04
Operator : JC/MD
Sample : VX0414MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 15 01:26:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

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

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

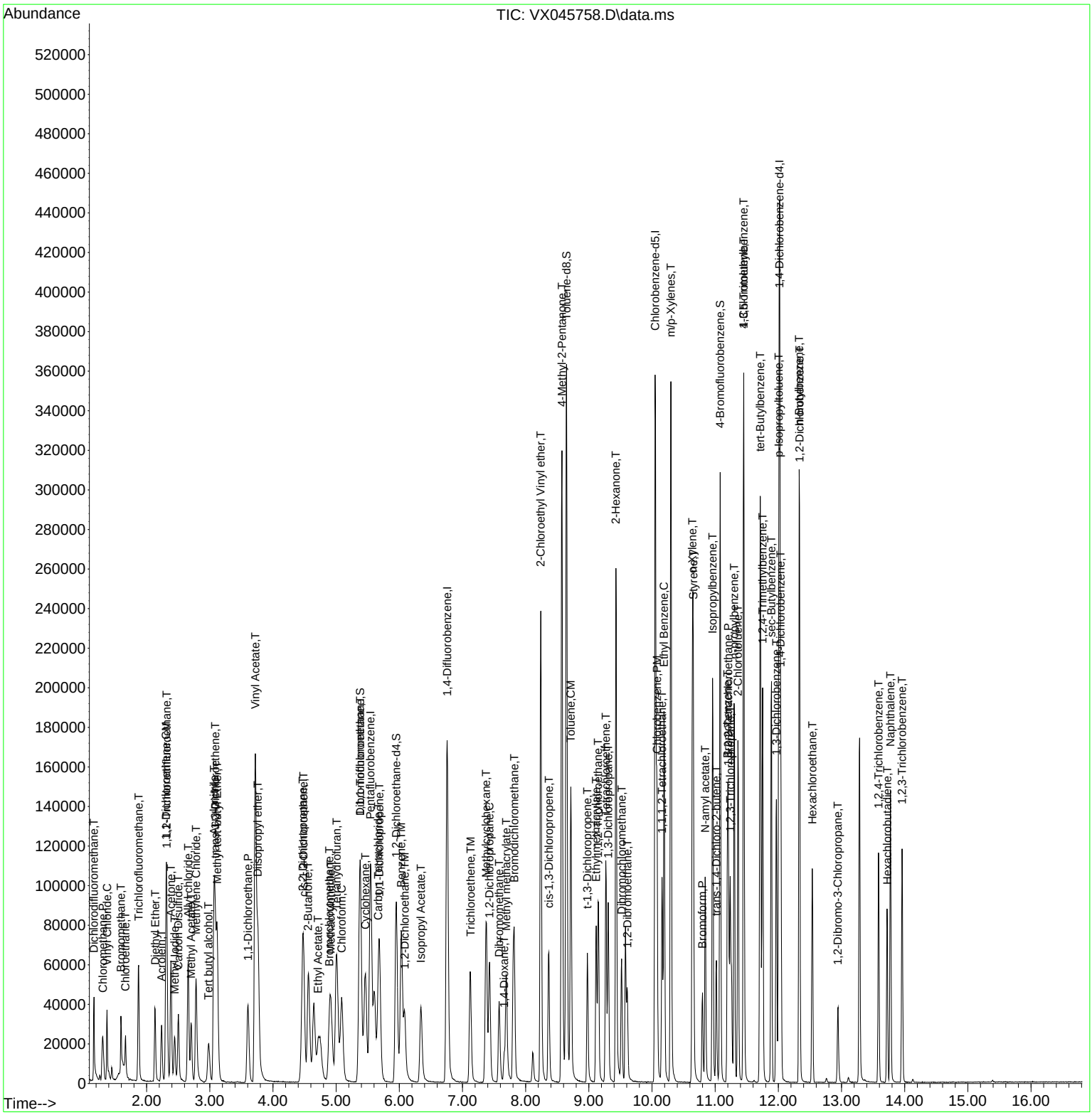
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Acq On : 14 Apr 2025 11:04
Operator : JC/MD
Sample : VX0414MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

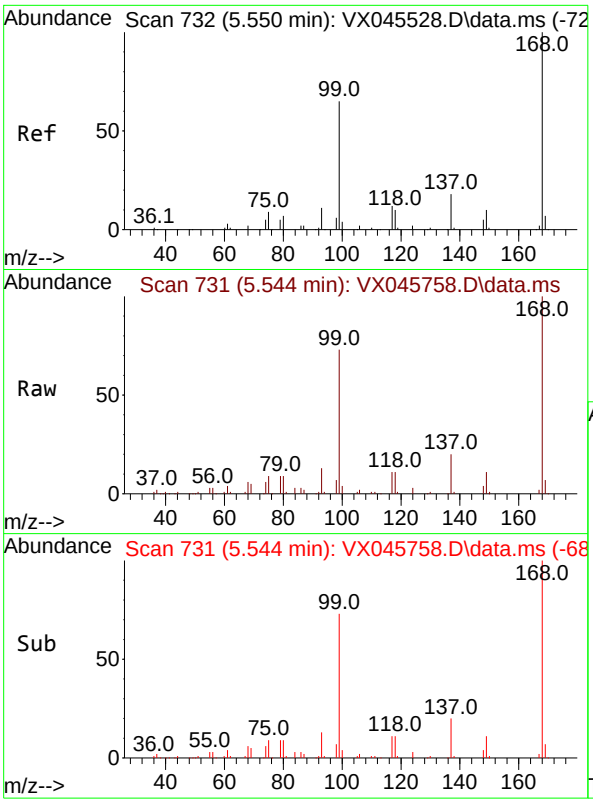
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Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/15/2025
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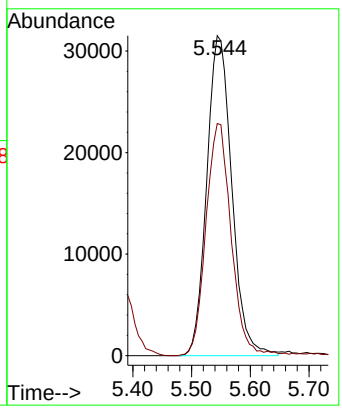




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:168 Resp: 9328

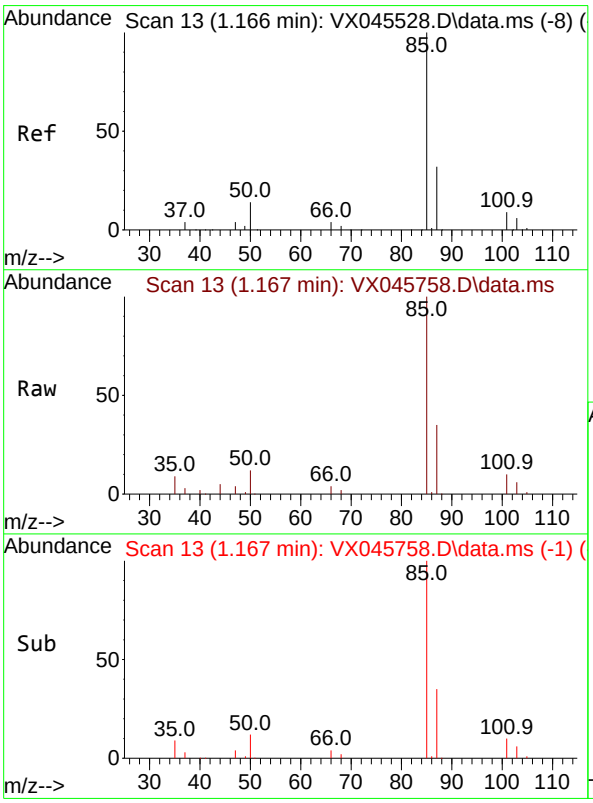
Ion	Ratio	Lower	Upper
168	100		
99	72.5	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

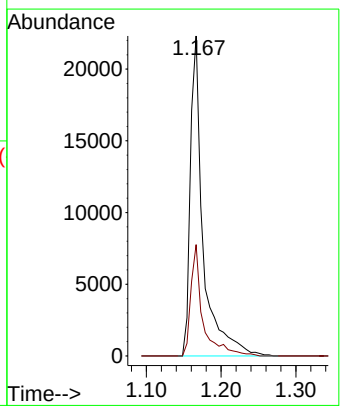
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

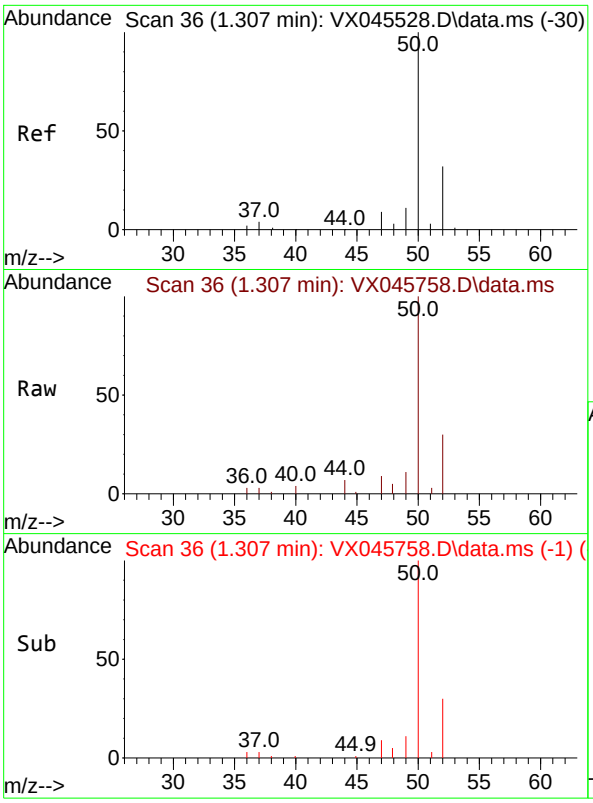


#2
Dichlorodifluoromethane
Concen: 18.926 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 85 Resp: 26402

Ion	Ratio	Lower	Upper
85	100		
87	34.8	16.1	48.2

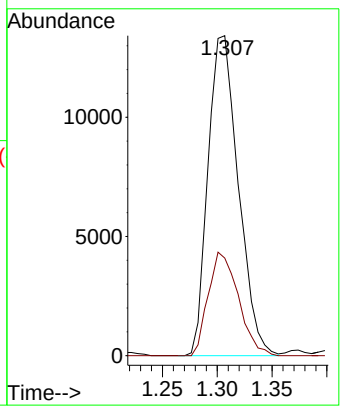




#3
Chloromethane
Concen: 18.047 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 50 Resp: 2586

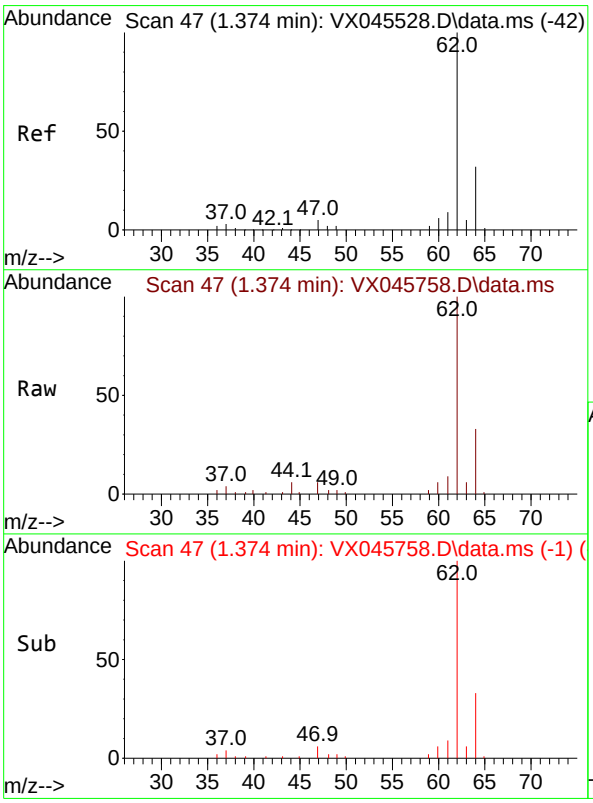
Ion	Ratio	Lower	Upper
50	100		
52	30.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

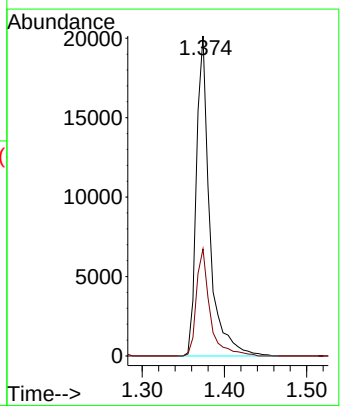
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

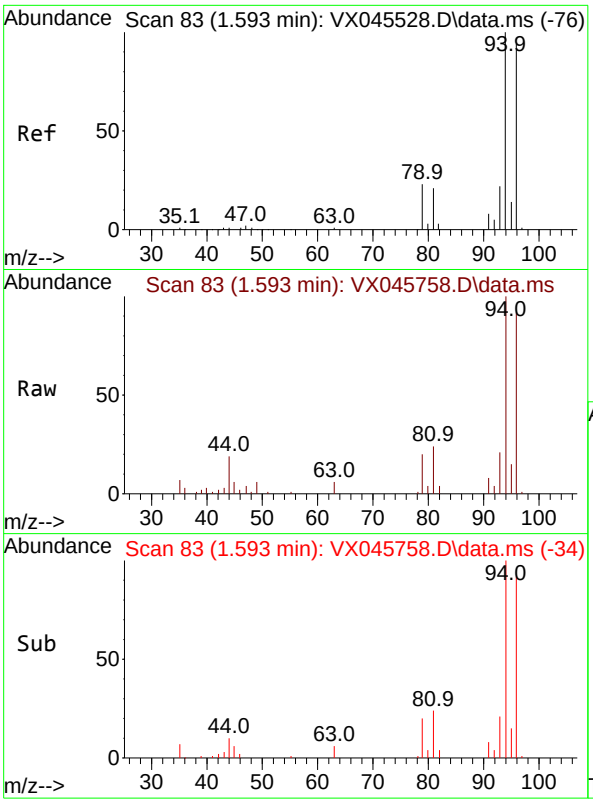


#4
Vinyl Chloride
Concen: 17.268 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 62 Resp: 22648

Ion	Ratio	Lower	Upper
62	100		
64	33.4	25.5	38.3

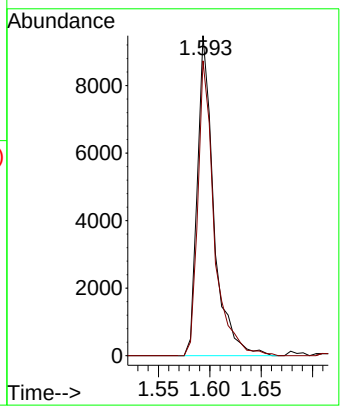




#5
Bromomethane
Concen: 17.025 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 94 Resp: 1058

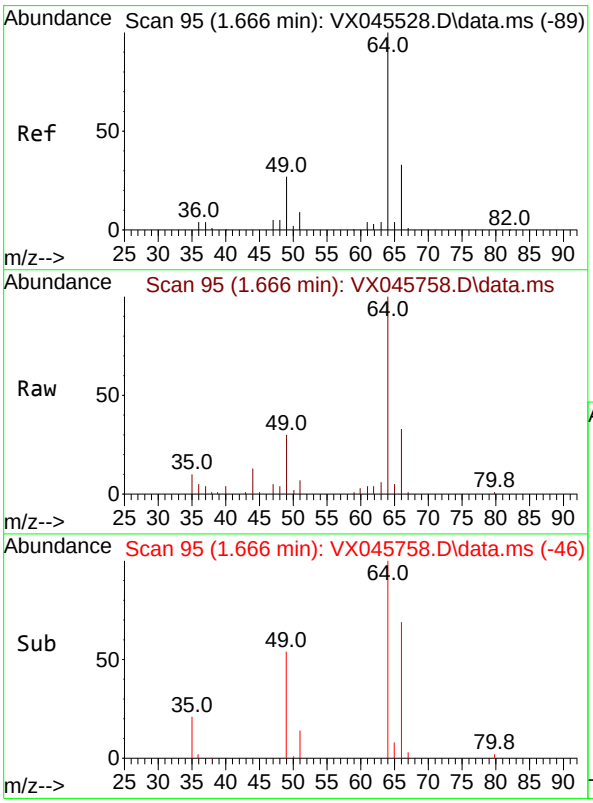
Ion	Ratio	Lower	Upper
94	100		
96	92.2	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

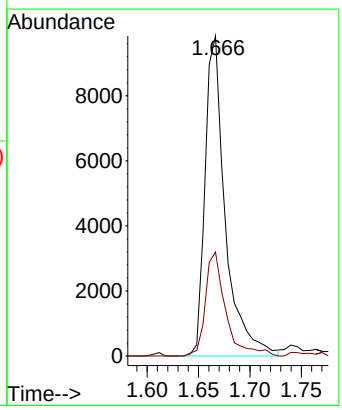
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

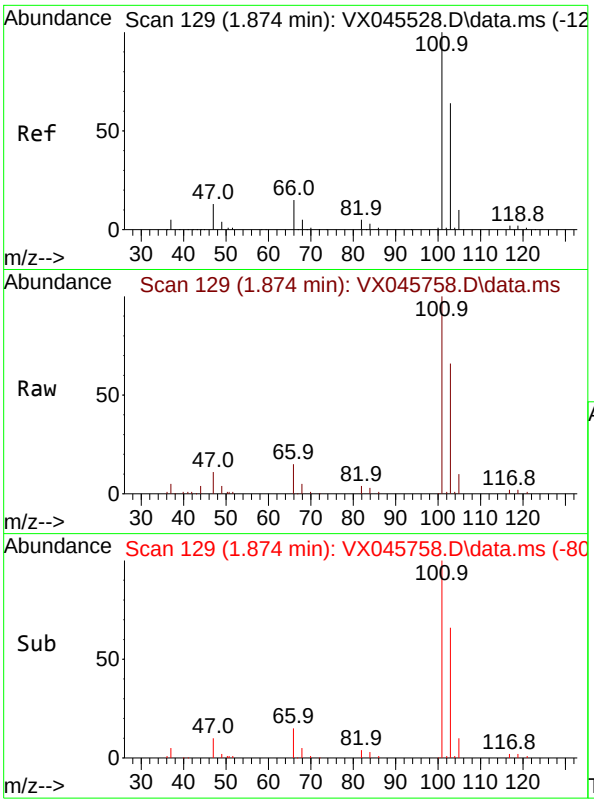


#6
Chloroethane
Concen: 19.353 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 64 Resp: 13467

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.3	39.5

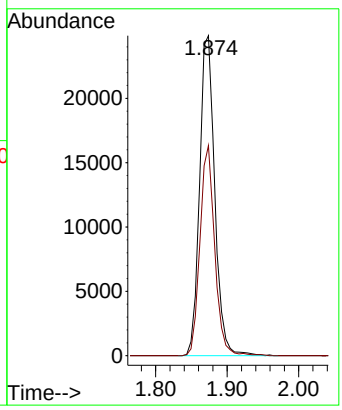




#7
Trichlorofluoromethane
Concen: 18.736 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:101 Resp: 3664

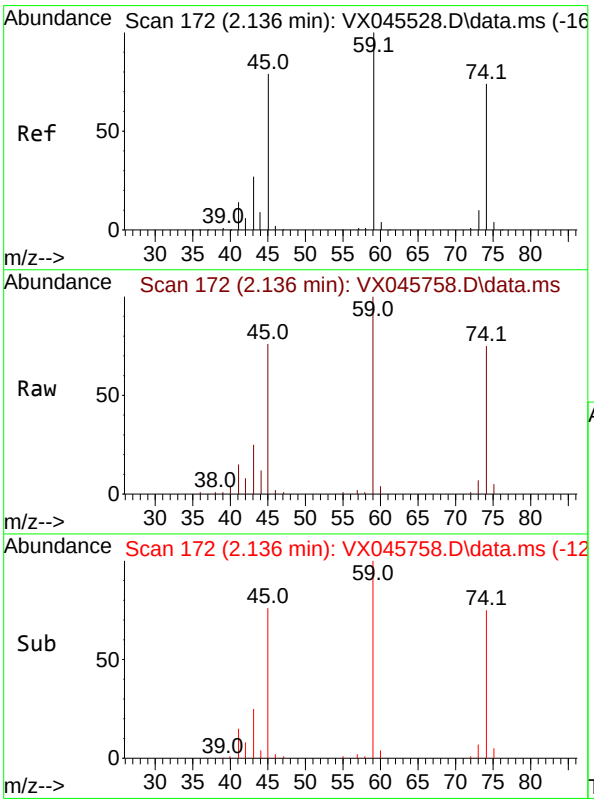
Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

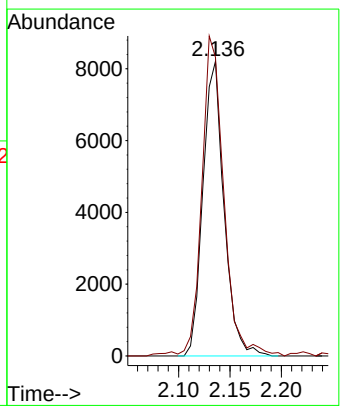
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

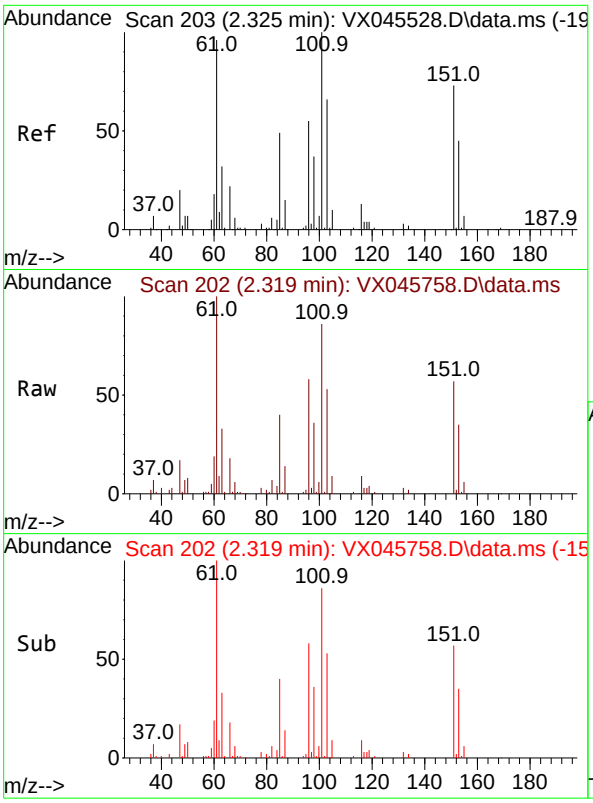


#8
Diethyl Ether
Concen: 17.861 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 74 Resp: 11728

Ion	Ratio	Lower	Upper
74	100		
45	113.3	53.0	159.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.744 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

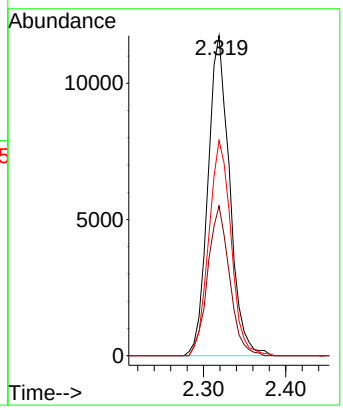
Tgt Ion:101 Resp: 2148

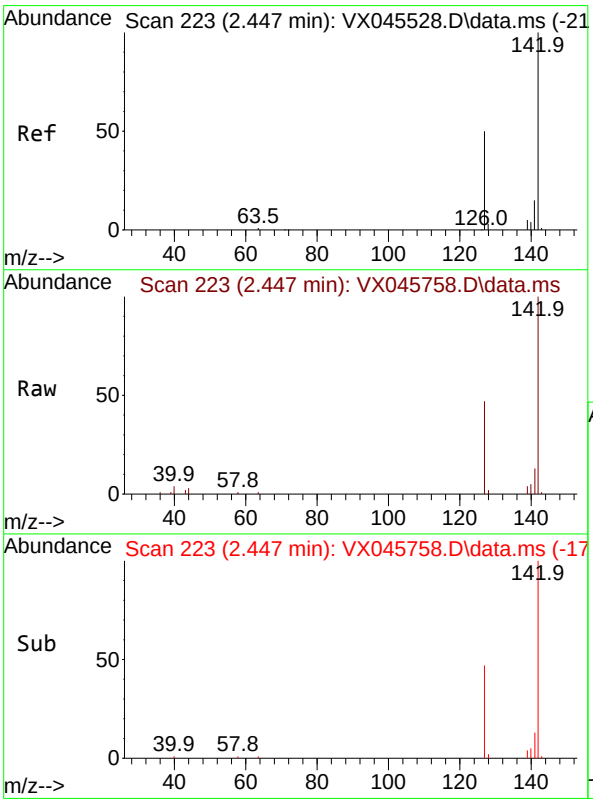
Ion	Ratio	Lower	Upper
101	100		
85	46.9	38.9	58.3
151	69.0	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

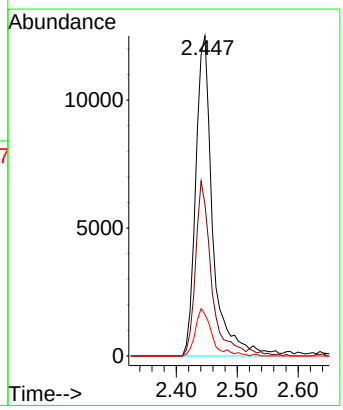


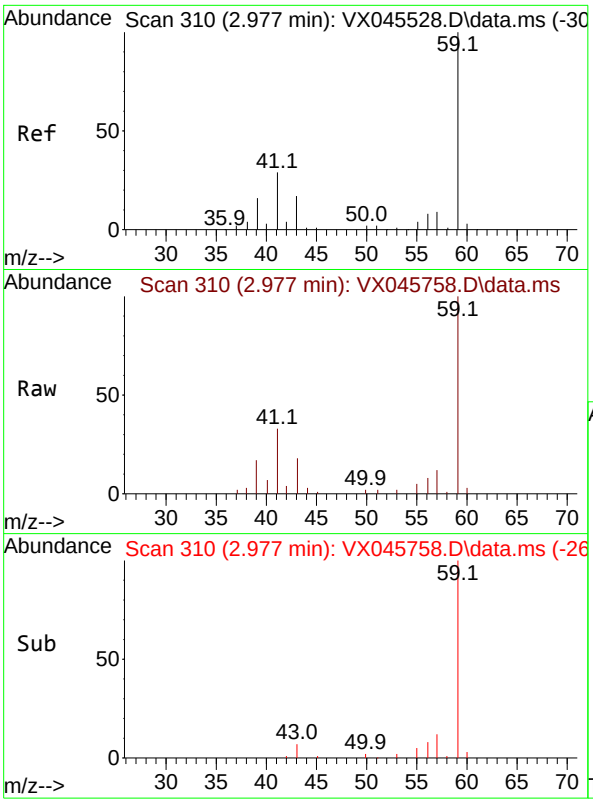


#10
Methyl Iodide
Concen: 16.976 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:142 Resp: 24268

Ion	Ratio	Lower	Upper
142	100		
127	52.6	40.2	60.4
141	14.4	11.7	17.5

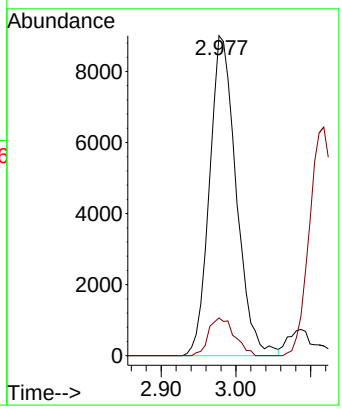




#11
Tert butyl alcohol
Concen: 97.723 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 59 Resp: 2240

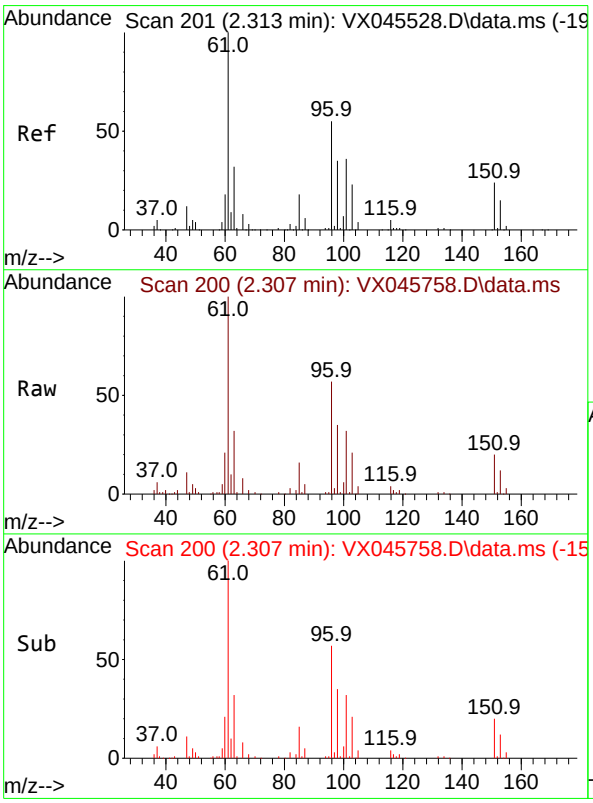
Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

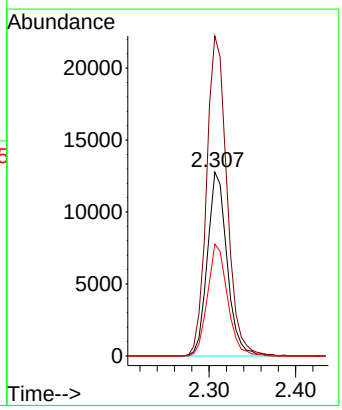
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

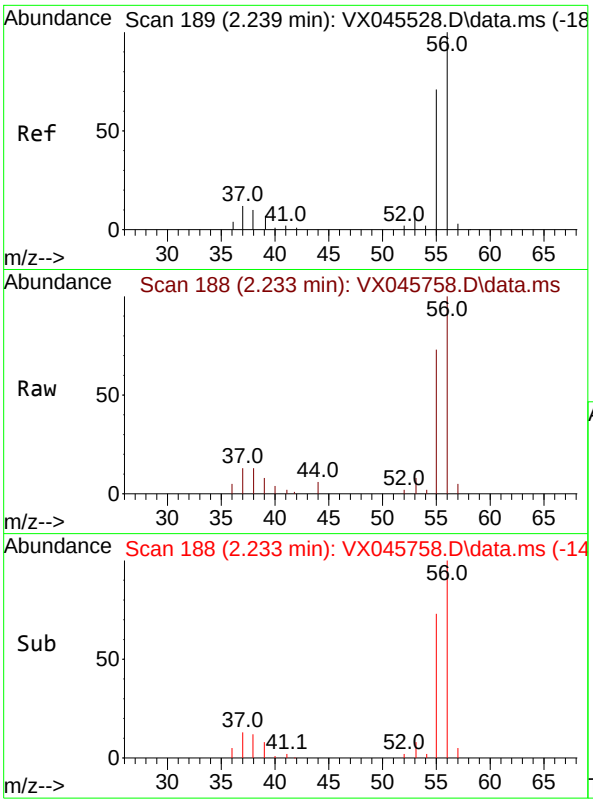


#12
1,1-Dichloroethene
Concen: 17.991 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 96 Resp: 20147

Ion	Ratio	Lower	Upper
96	100		
61	174.1	145.7	218.5
98	60.8	51.6	77.4

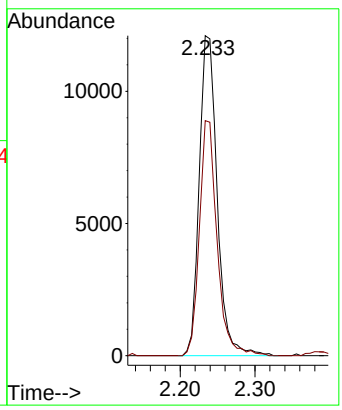




#13
Acrolein
Concen: 63.939 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 56 Resp: 2018

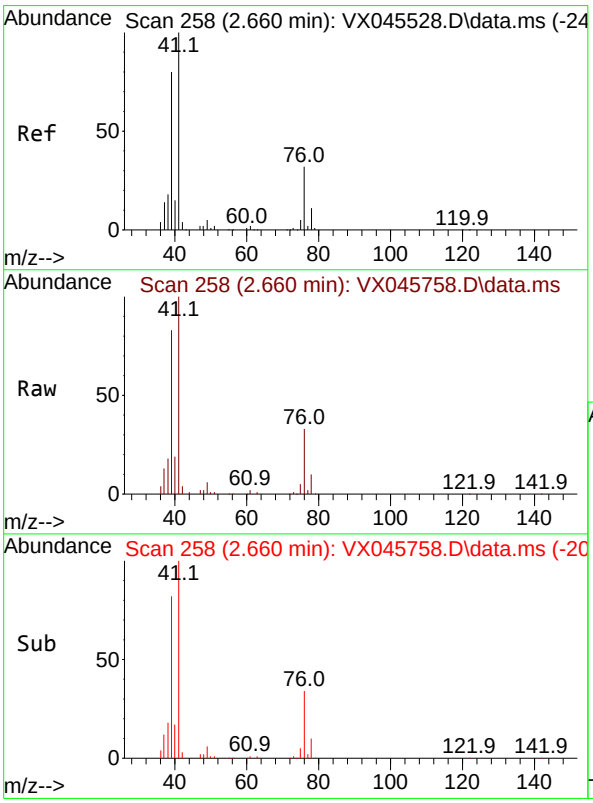
Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

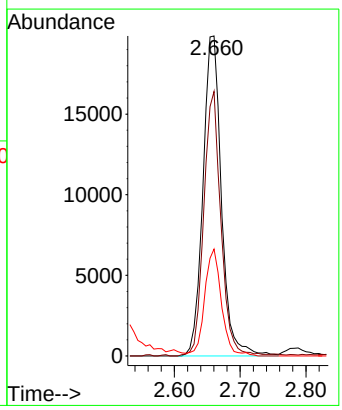
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

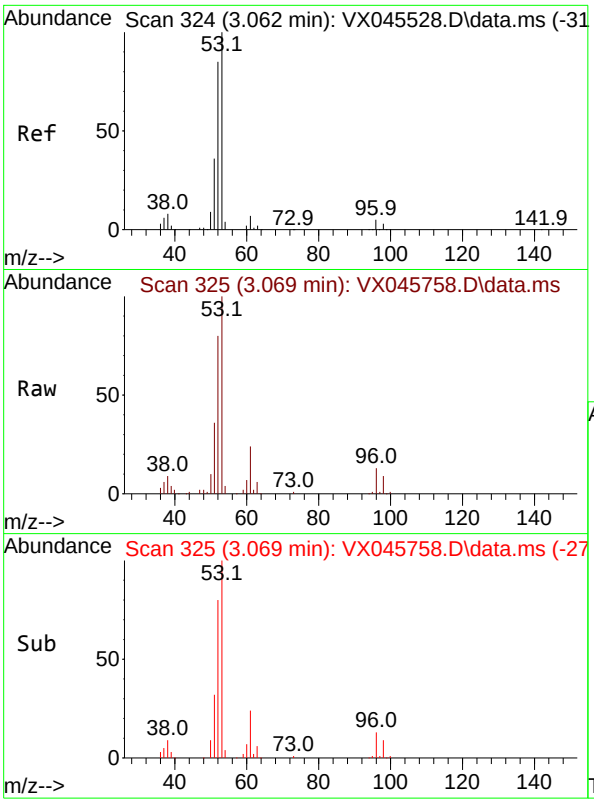


#14
Allyl chloride
Concen: 18.288 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 41 Resp: 38858

Ion	Ratio	Lower	Upper
41	100		
39	76.6	60.2	90.2
76	30.3	24.6	36.8





#15
Acrylonitrile
Concen: 93.881 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

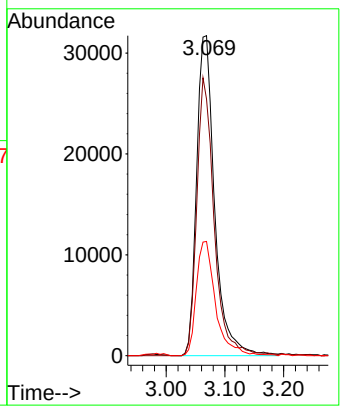
Tgt Ion: 53 Resp: 6794

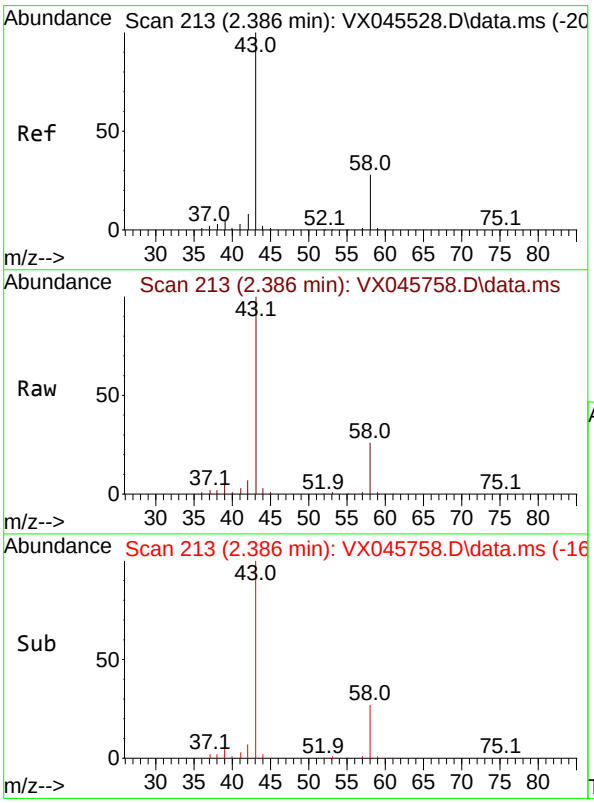
Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.4	101.2
51	38.0	29.9	44.9

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

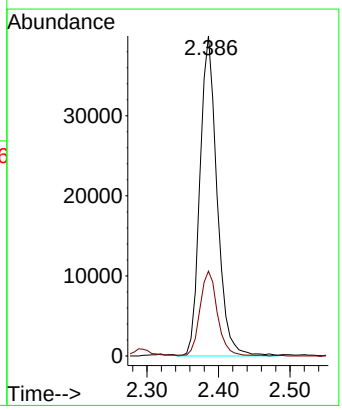


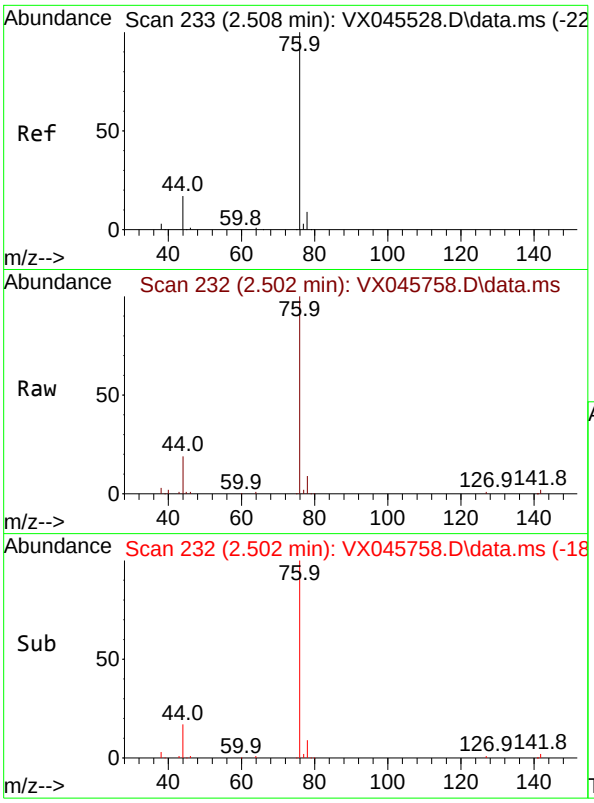


#16
Acetone
Concen: 94.905 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 43 Resp: 66480

Ion	Ratio	Lower	Upper
43	100		
58	26.3	22.3	33.5

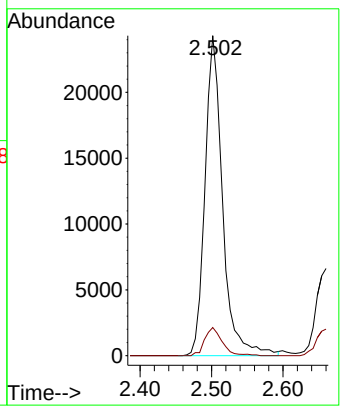




#17
Carbon Disulfide
Concen: 15.009 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 76 Resp: 4151

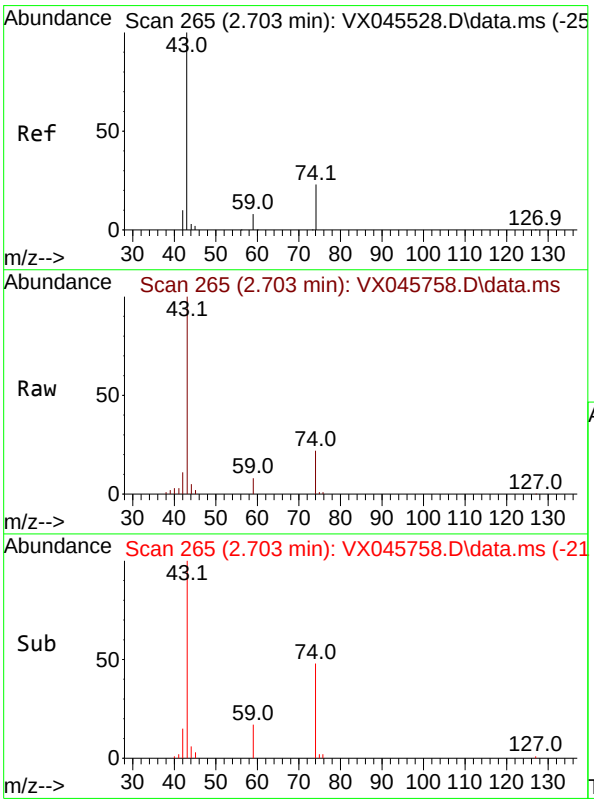
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

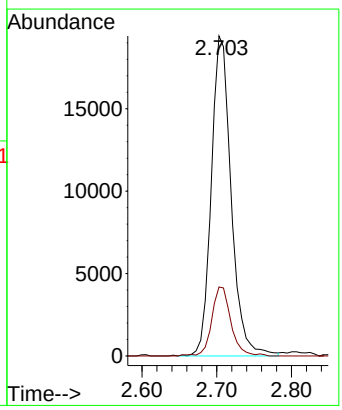
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

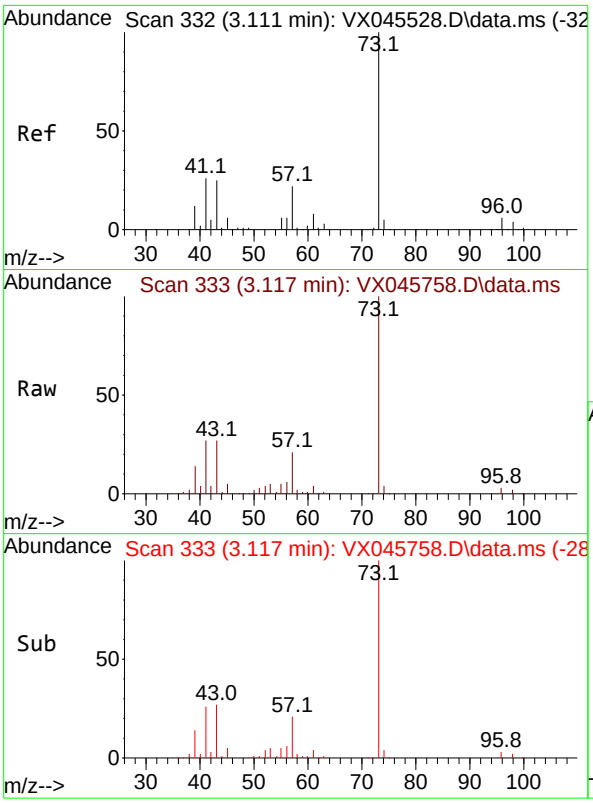


#18
Methyl Acetate
Concen: 22.245 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 43 Resp: 35876

Ion	Ratio	Lower	Upper
43	100		
74	20.8	17.5	26.3

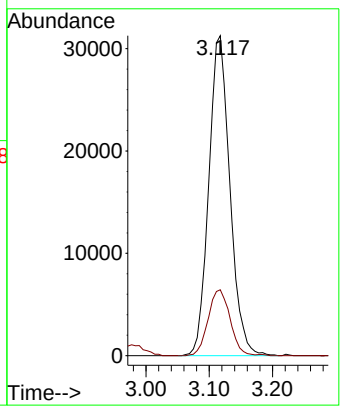




#19
Methyl tert-butyl Ether
Concen: 18.537 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 73 Resp: 7261

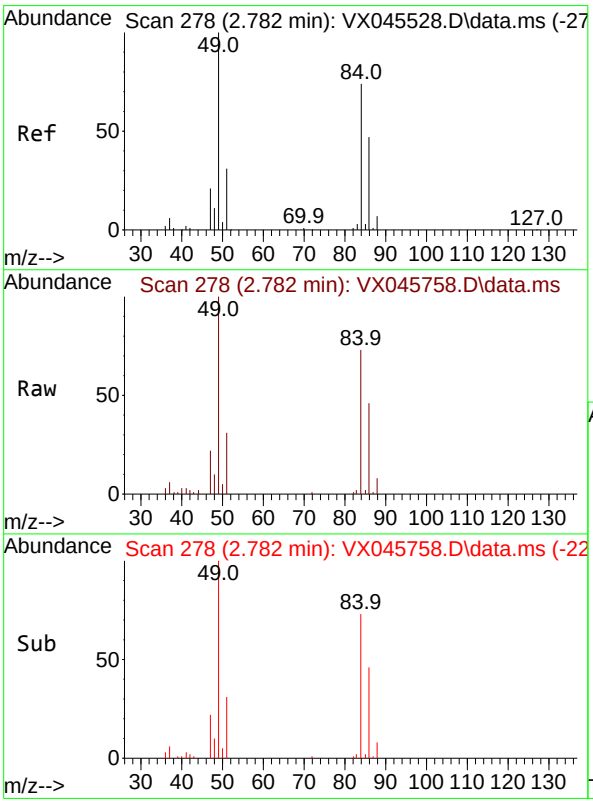
Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

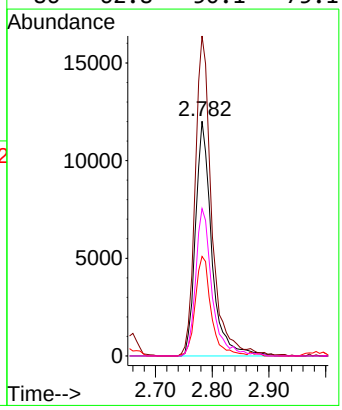
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

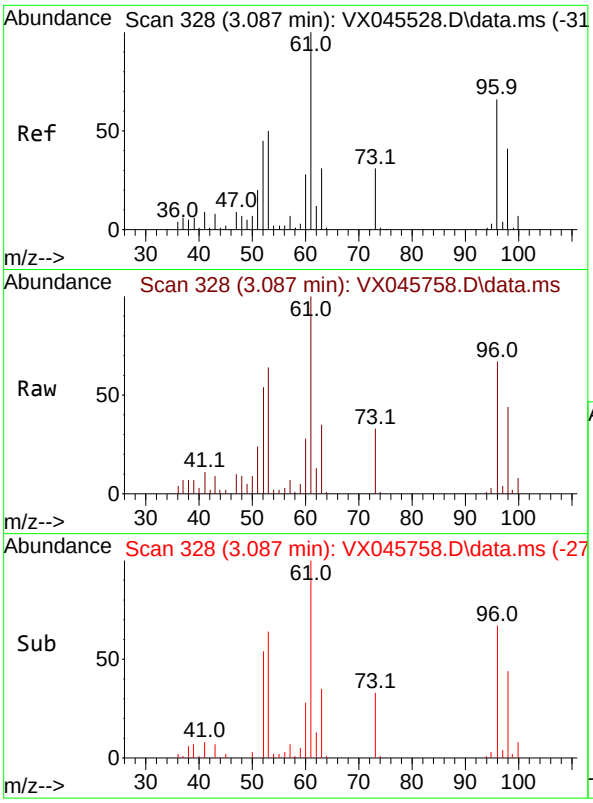


#20
Methylene Chloride
Concen: 18.189 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 84 Resp: 23853

Ion	Ratio	Lower	Upper
84	100		
49	136.3	107.5	161.3
51	42.4	33.0	49.6
86	62.8	50.1	75.1

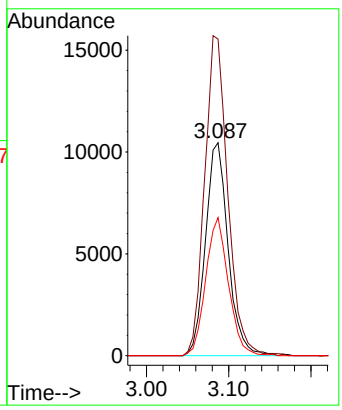




#21
trans-1,2-Dichloroethene
Concen: 17.496 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 96 Resp: 2001

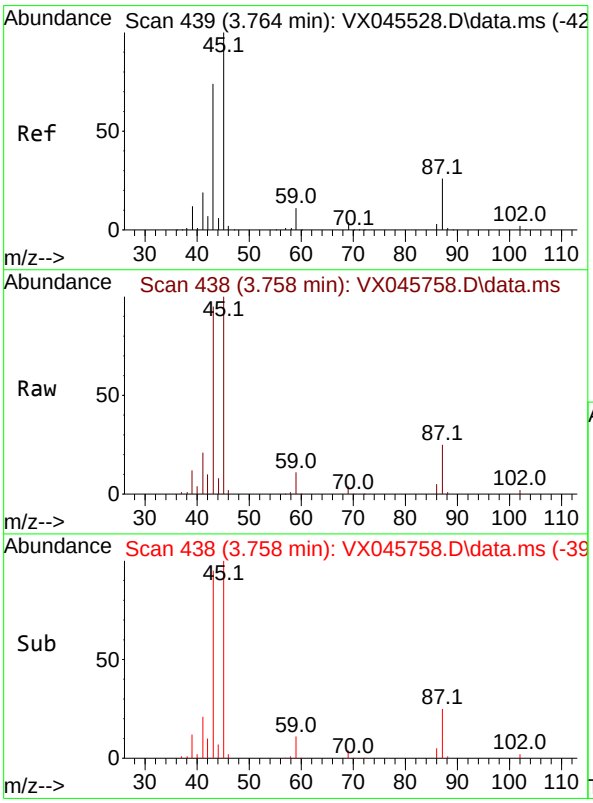
Ion	Ratio	Lower	Upper
96	100		
61	148.7	121.0	181.6
98	64.9	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

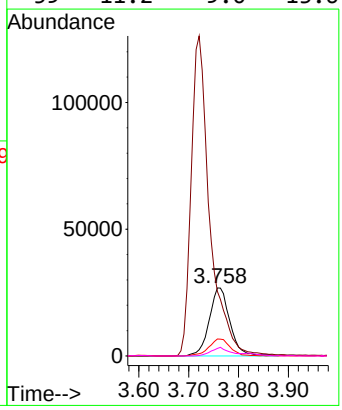
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

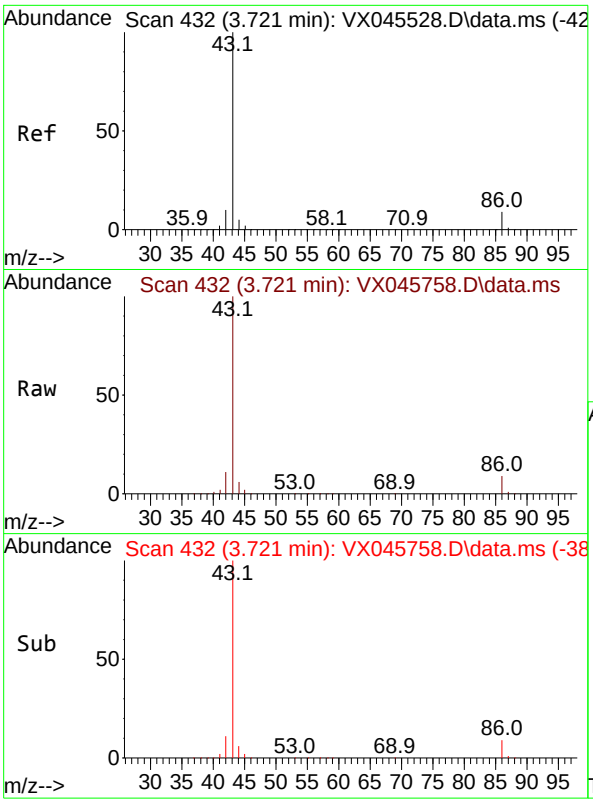


#22
Diisopropyl ether
Concen: 18.496 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 45 Resp: 77415

Ion	Ratio	Lower	Upper
45	100		
43	94.0	59.3	88.9#
87	25.1	20.4	30.6
59	11.2	9.0	13.6





#23
Vinyl Acetate
Concen: 90.883 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

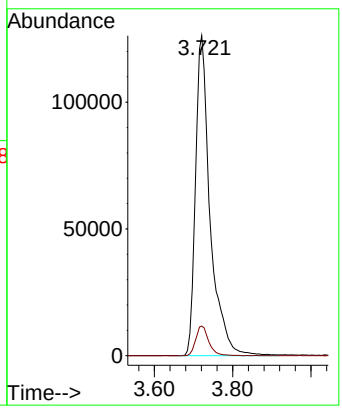
Tgt Ion: 43 Resp: 32866

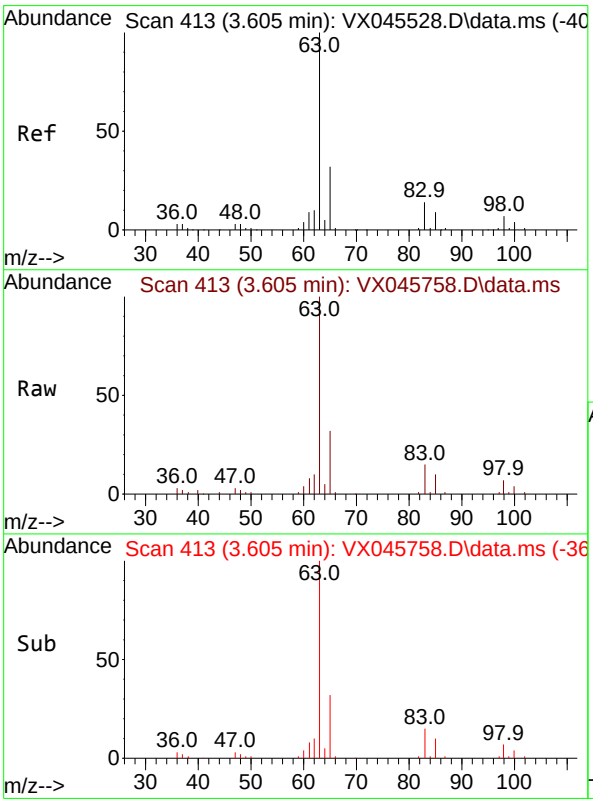
Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
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Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

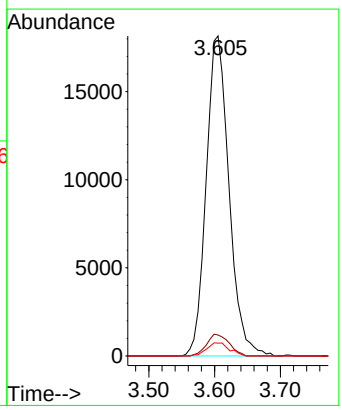


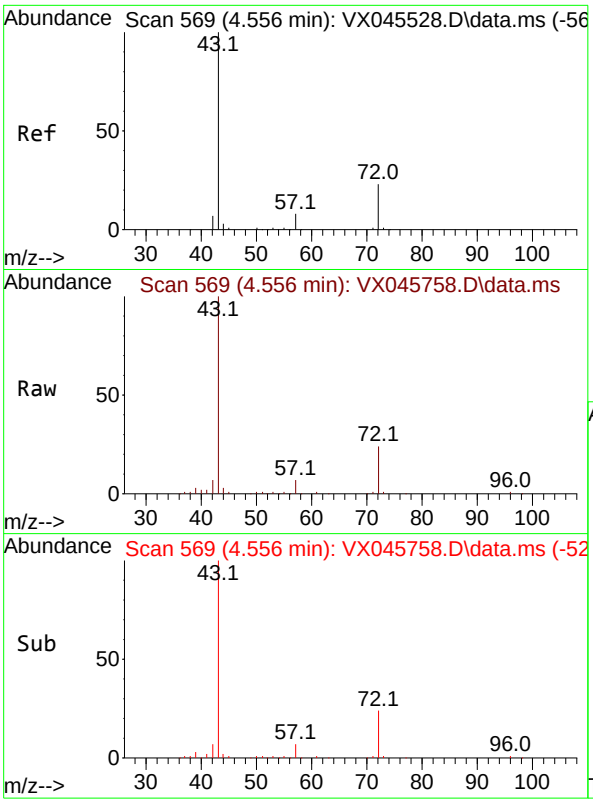


#24
1,1-Dichloroethane
Concen: 18.535 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 63 Resp: 43875

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.0	2.2	6.6

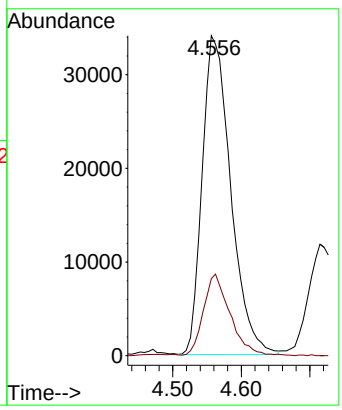




#25
2-Butanone
Concen: 96.138 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 43 Resp: 9857

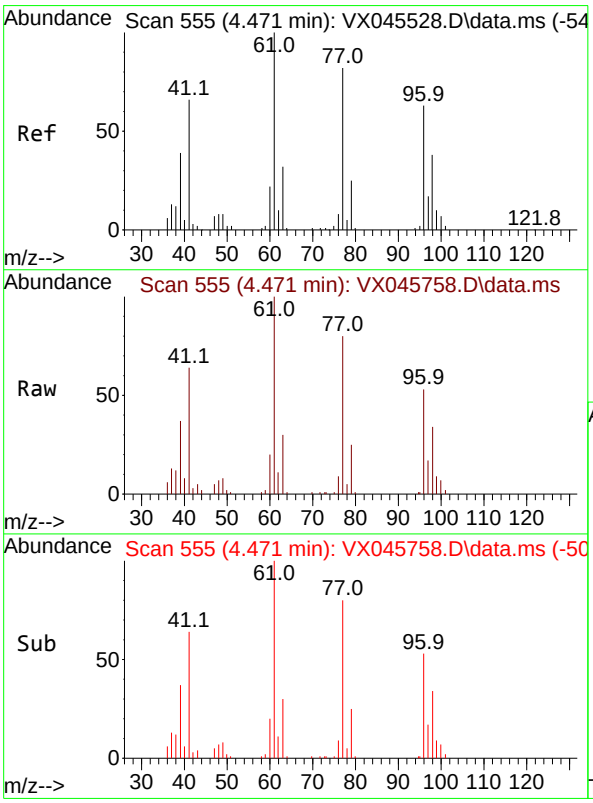
Ion	Ratio	Lower	Upper
43	100		
72	23.9	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

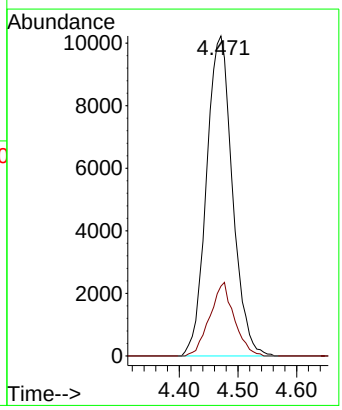
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

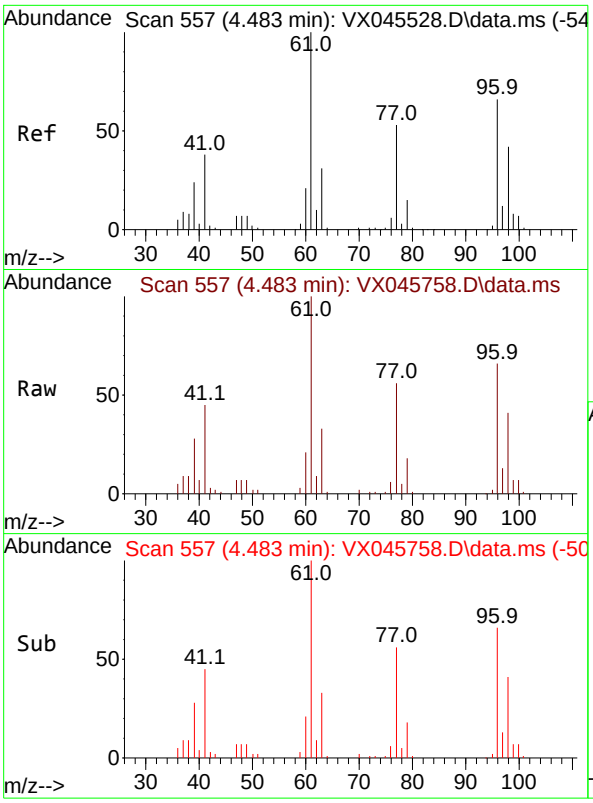


#26
2,2-Dichloropropane
Concen: 20.515 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 77 Resp: 31375

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.6	31.8

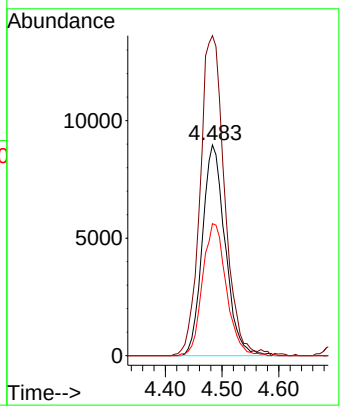




#27
cis-1,2-Dichloroethene
Concen: 17.993 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 96 Resp: 2508

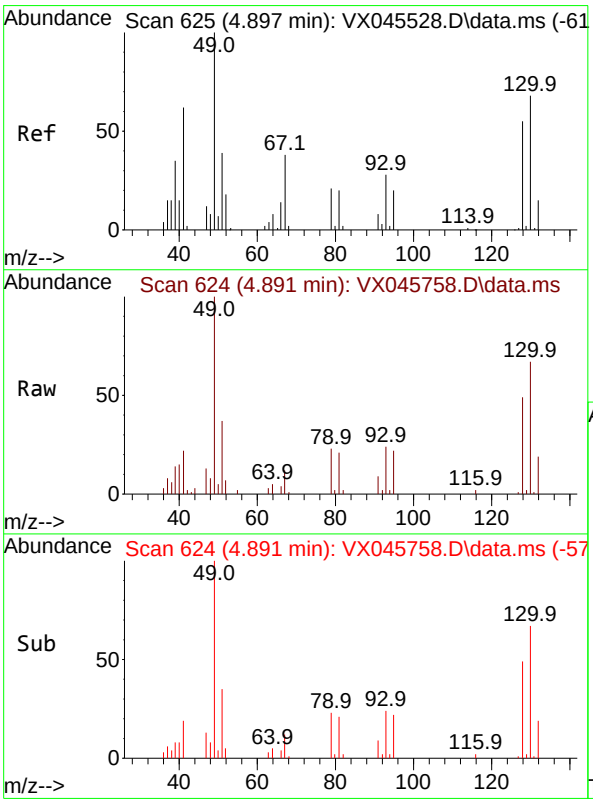
Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	313.2
98	65.2	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

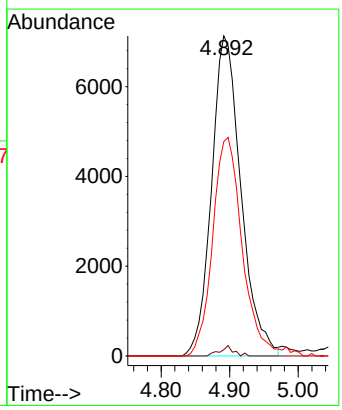
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

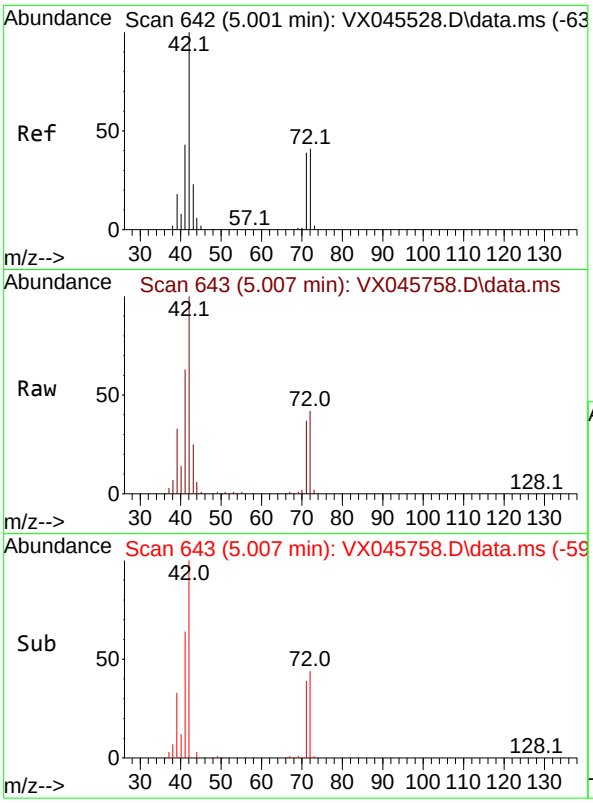


#28
Bromochloromethane
Concen: 18.584 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 49 Resp: 21258

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	69.2	54.6	81.8

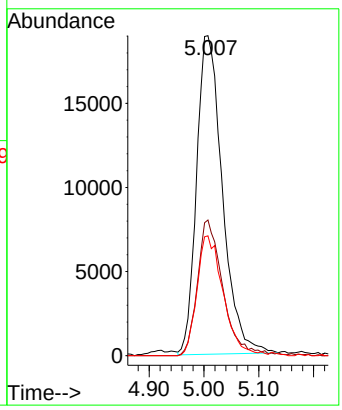




#29
Tetrahydrofuran
Concen: 93.143 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 42 Resp: 6192

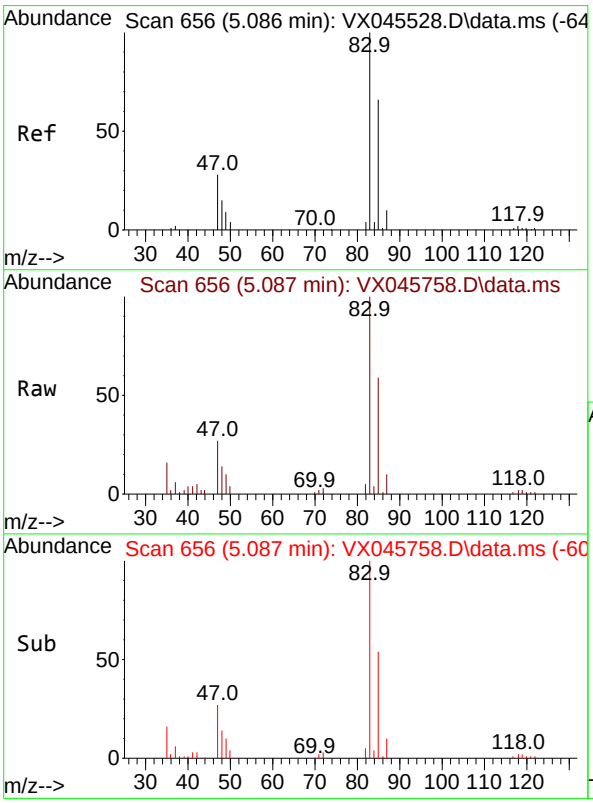
Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.4	50.0
71	38.1	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

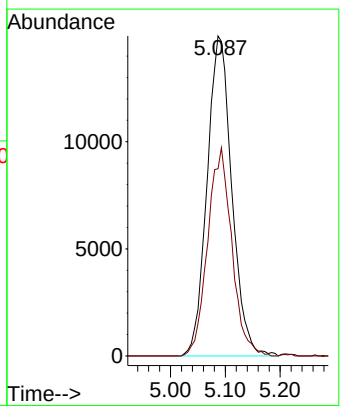
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

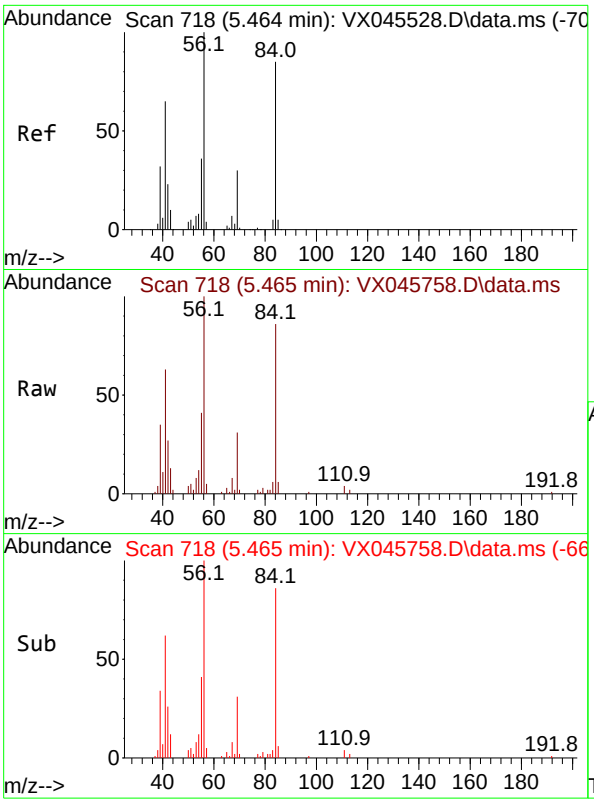


#30
Chloroform
Concen: 19.220 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 83 Resp: 46813

Ion	Ratio	Lower	Upper
83	100		
85	58.5	52.8	79.2

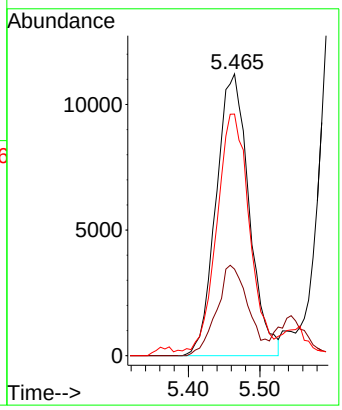




#31
Cyclohexane
Concen: 17.149 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 56 Resp: 3588

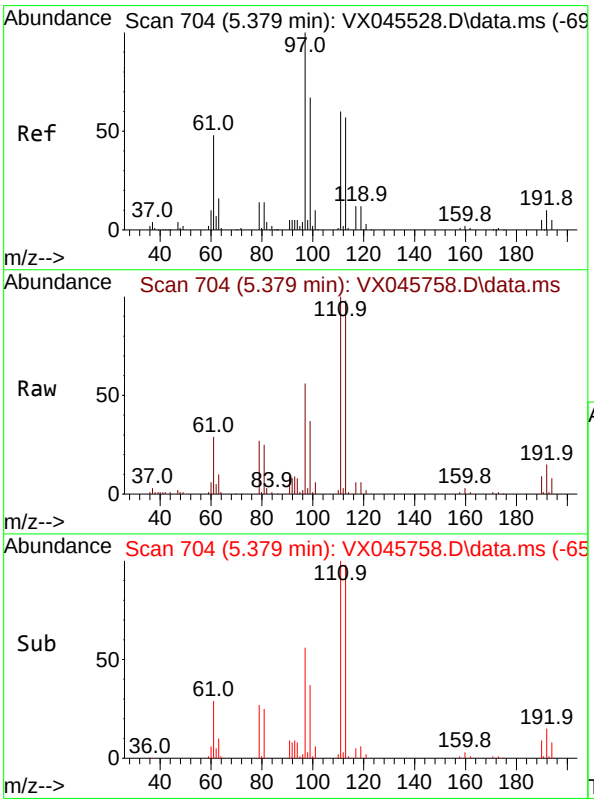
Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.6	35.4
84	83.8	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

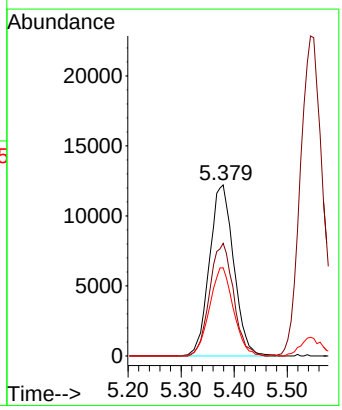
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

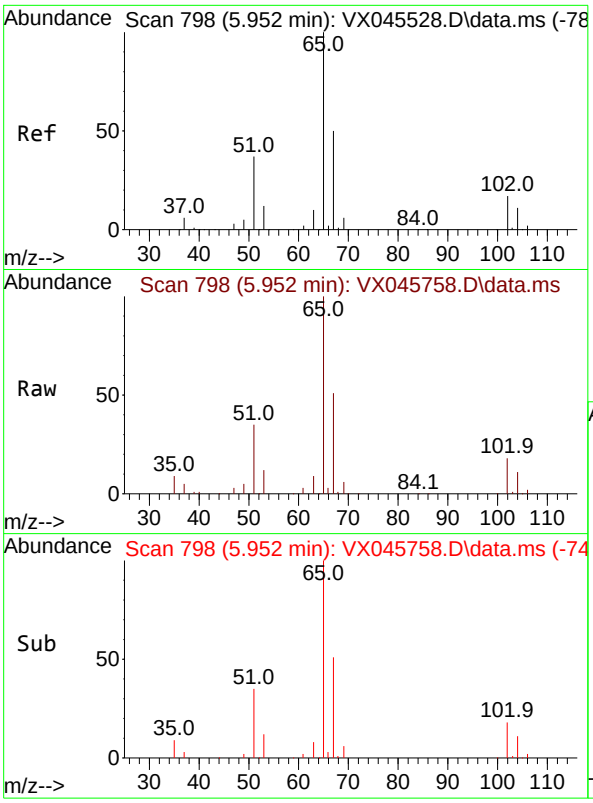


#32
1,1,1-Trichloroethane
Concen: 18.849 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 97 Resp: 38847

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	50.7	41.0	61.4

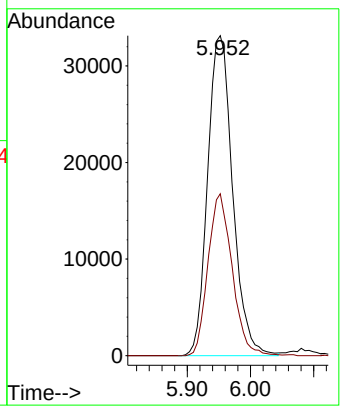




#33
1,2-Dichloroethane-d4
Concen: 53.383 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 65 Resp: 9106

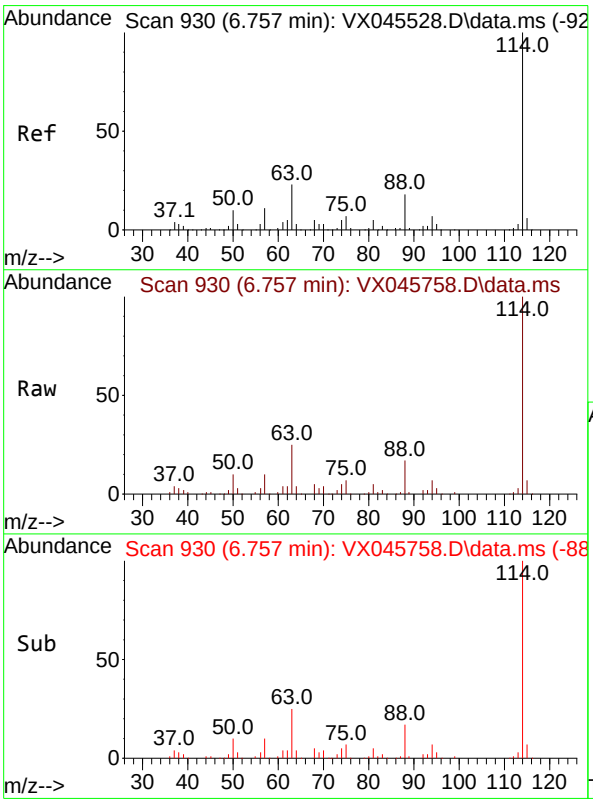
Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

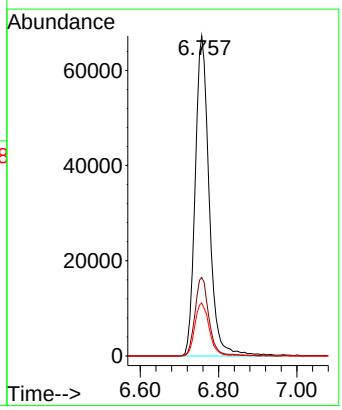
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

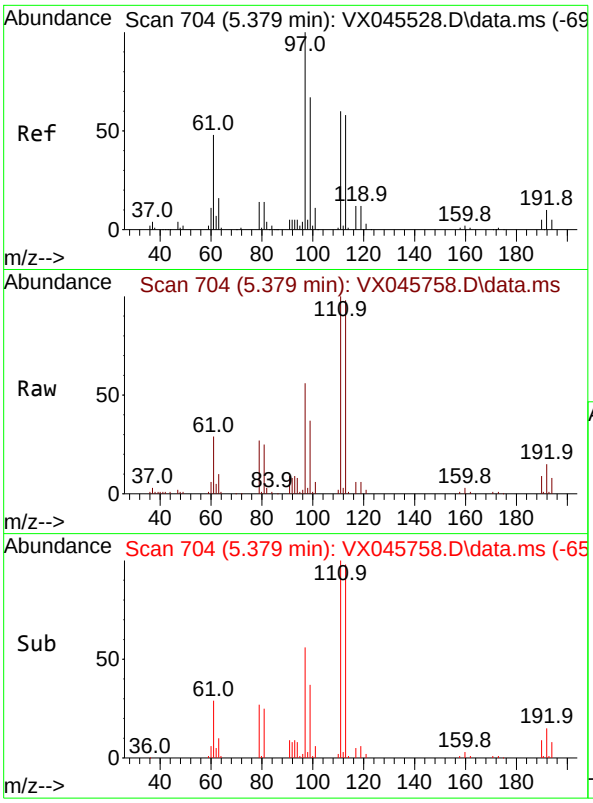


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:114 Resp: 167485

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	46.8
88	16.6	0.0	35.4

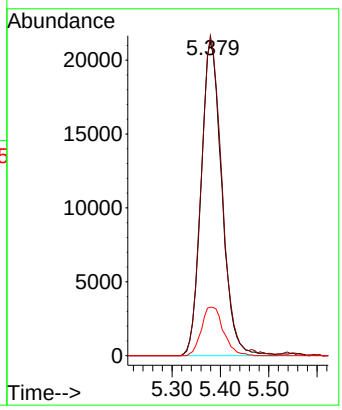




#35
Dibromofluoromethane
Concen: 53.284 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:113 Resp: 6331

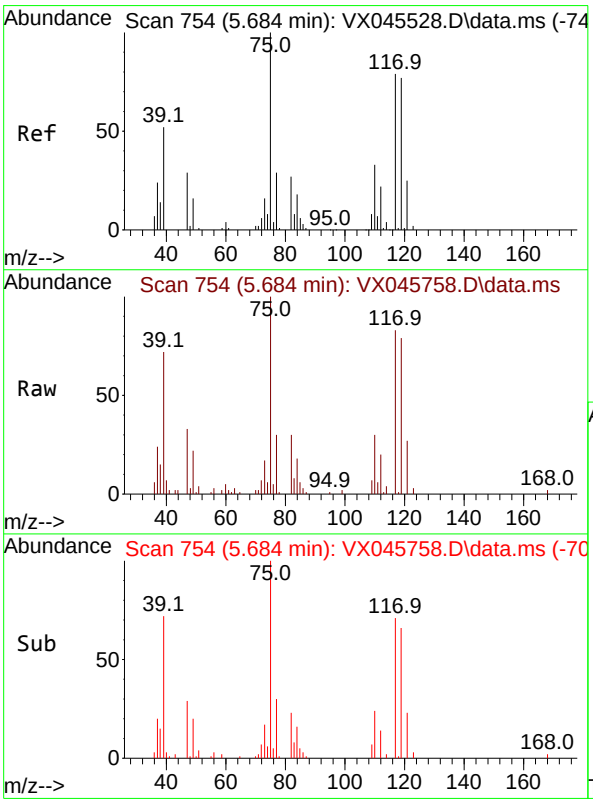
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	16.4	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations APPROVED

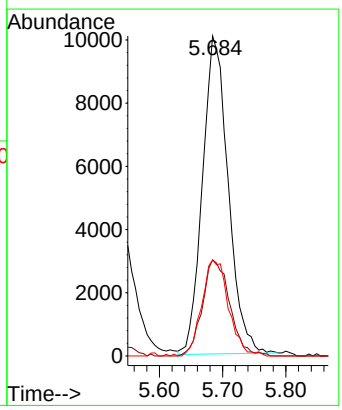
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

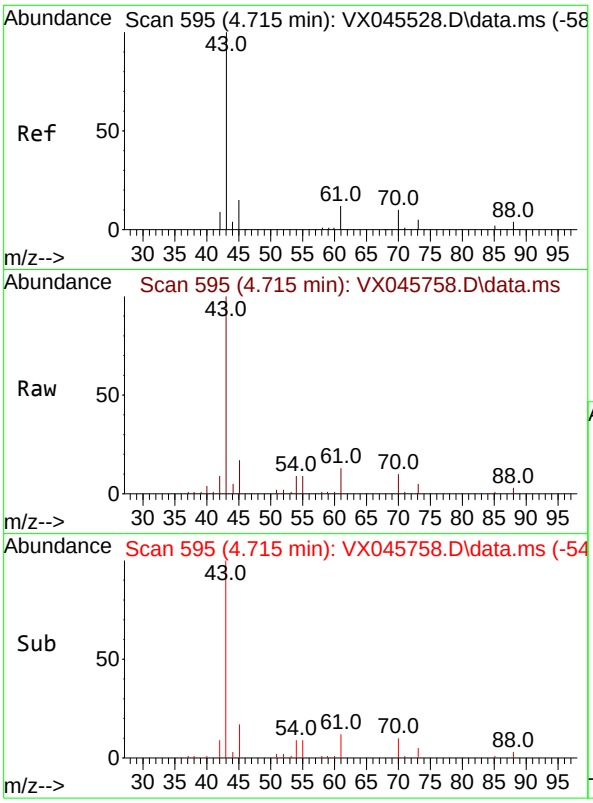


#36
1,1-Dichloropropene
Concen: 17.725 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 75 Resp: 28439

Ion	Ratio	Lower	Upper
75	100		
110	32.2	16.9	50.6
77	31.4	25.0	37.4

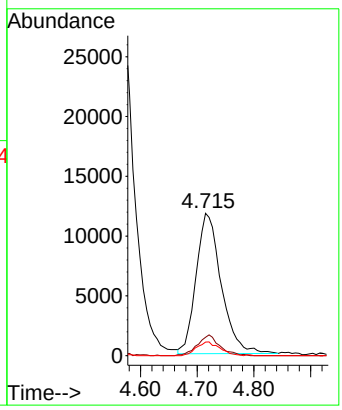




#37
Ethyl Acetate
Concen: 17.869 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 43 Resp: 3613

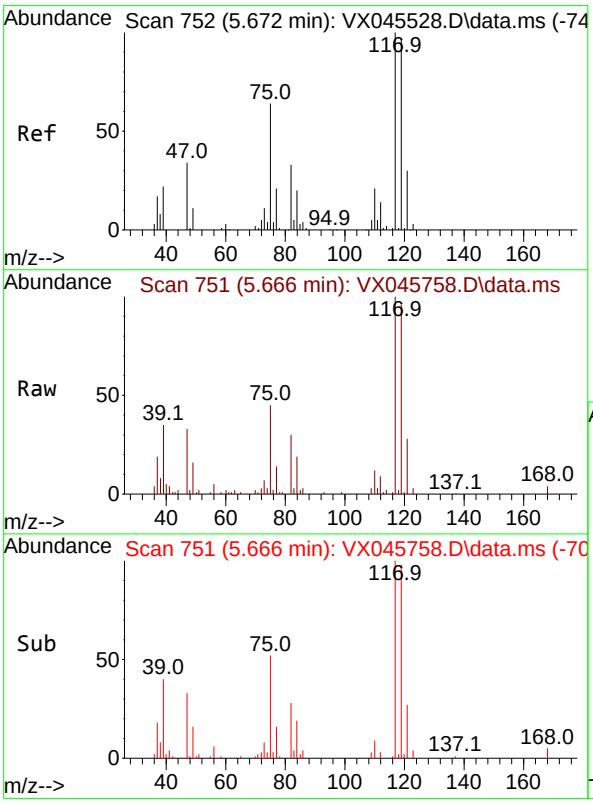
Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.9	14.9
70	9.1	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

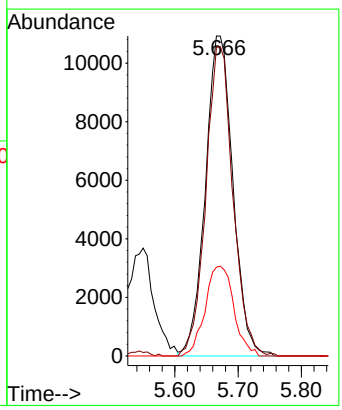
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

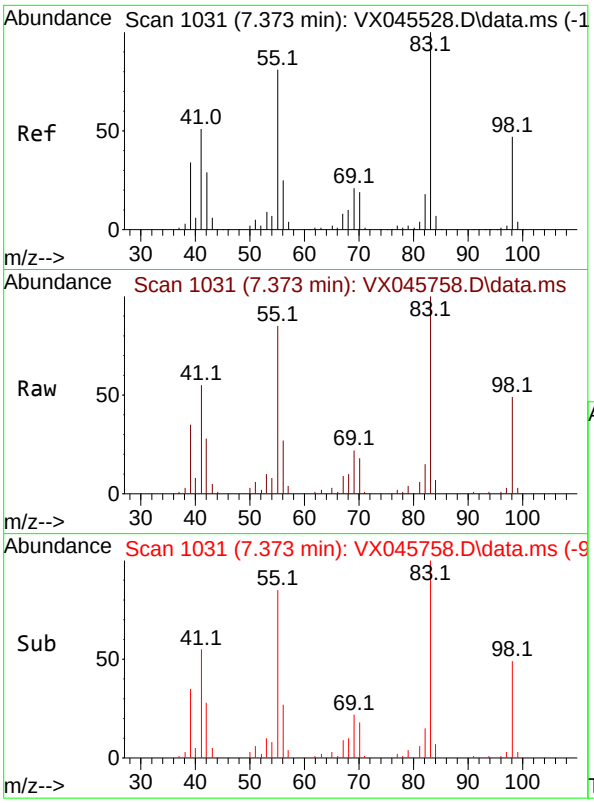


#38
Carbon Tetrachloride
Concen: 19.096 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:117 Resp: 33113

Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.9	115.3
121	27.8	24.2	36.2

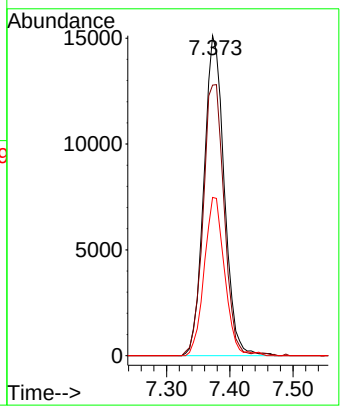




#39
Methylcyclohexane
Concen: 17.197 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 83 Resp: 3382

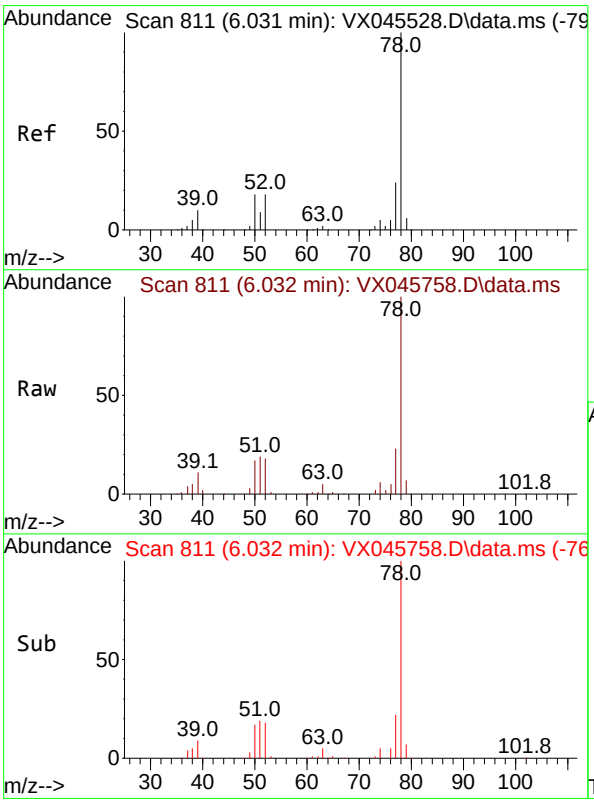
Ion	Ratio	Lower	Upper
83	100		
55	84.5	64.9	97.3
98	49.5	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations APPROVED

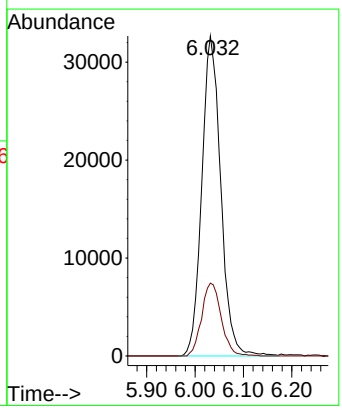
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

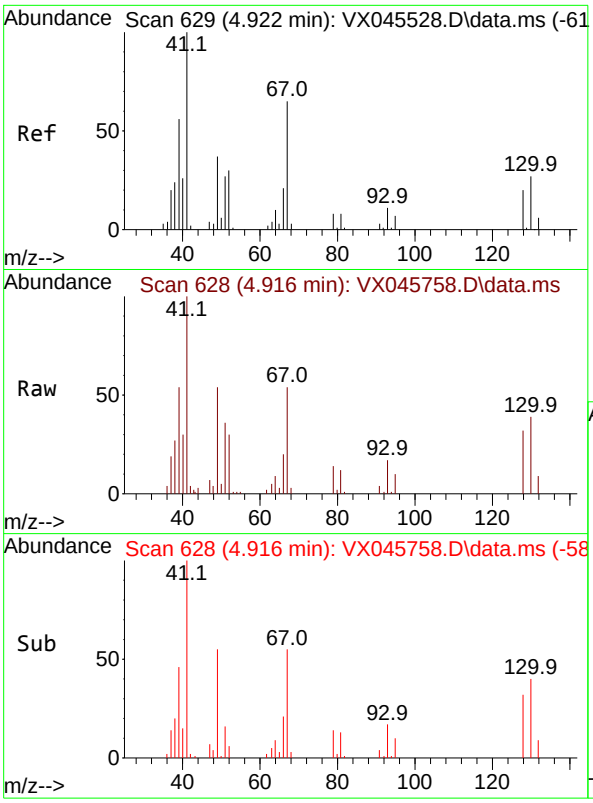


#40
Benzene
Concen: 18.141 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 78 Resp: 88892

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.6

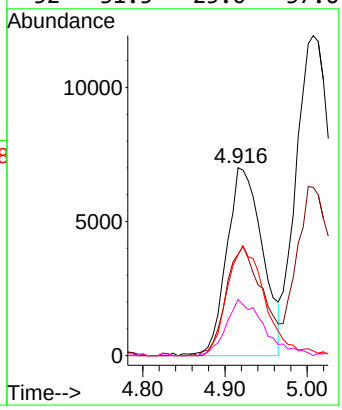




#41
Methacrylonitrile
Concen: 19.884 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 41 Resp: 2121

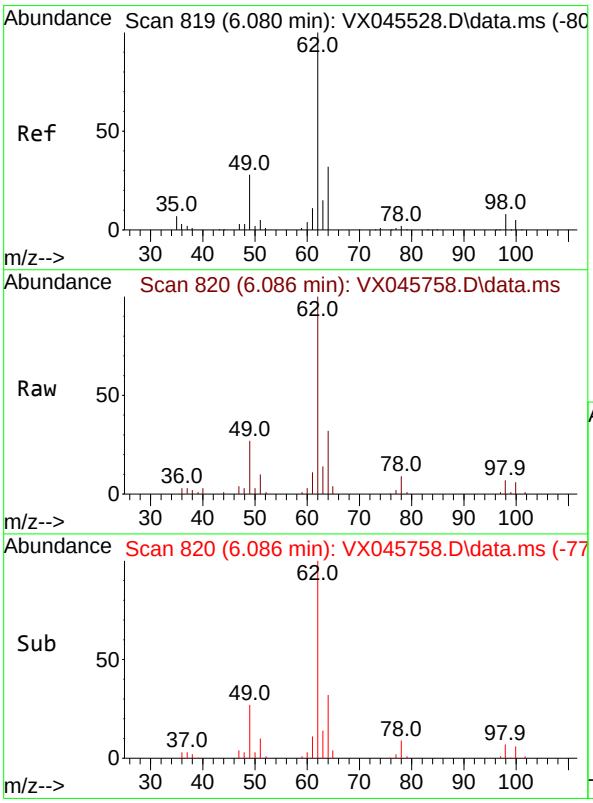
Ion	Ratio	Lower	Upper
41	100		
39	59.0	47.0	70.6
67	63.1	53.2	79.8
52	31.5	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

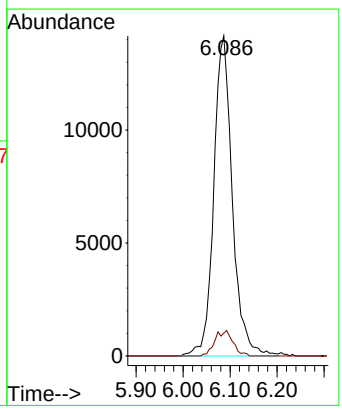
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

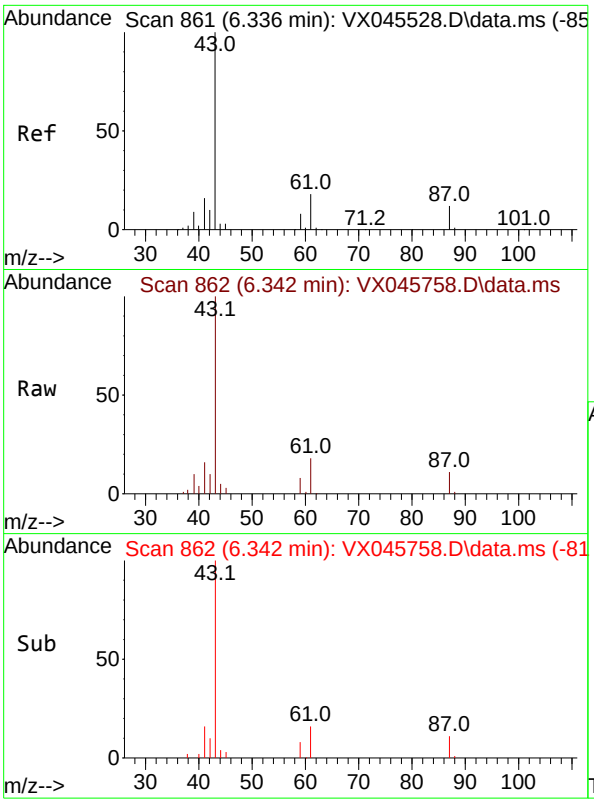


#42
1,2-Dichloroethane
Concen: 19.210 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 62 Resp: 38878

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.2

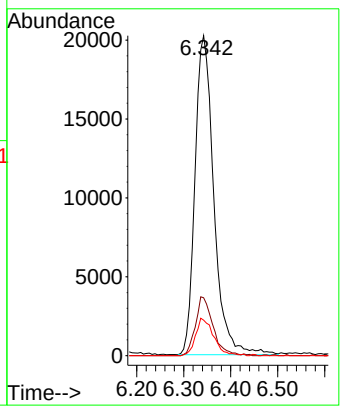




#43
Isopropyl Acetate
Concen: 18.430 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 43 Resp: 5647

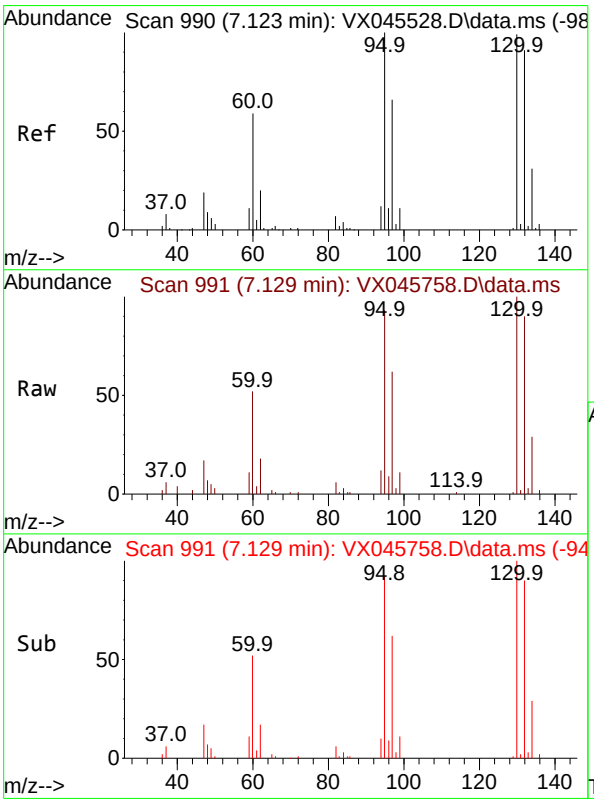
Ion	Ratio	Lower	Upper
43	100		
61	17.1	14.1	21.1
87	11.2	9.2	13.8



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

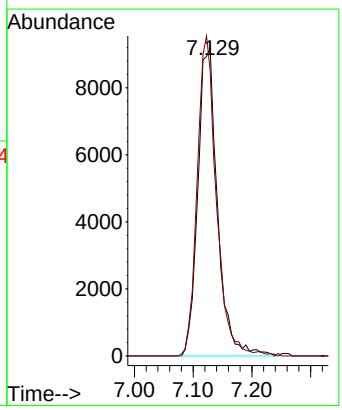
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

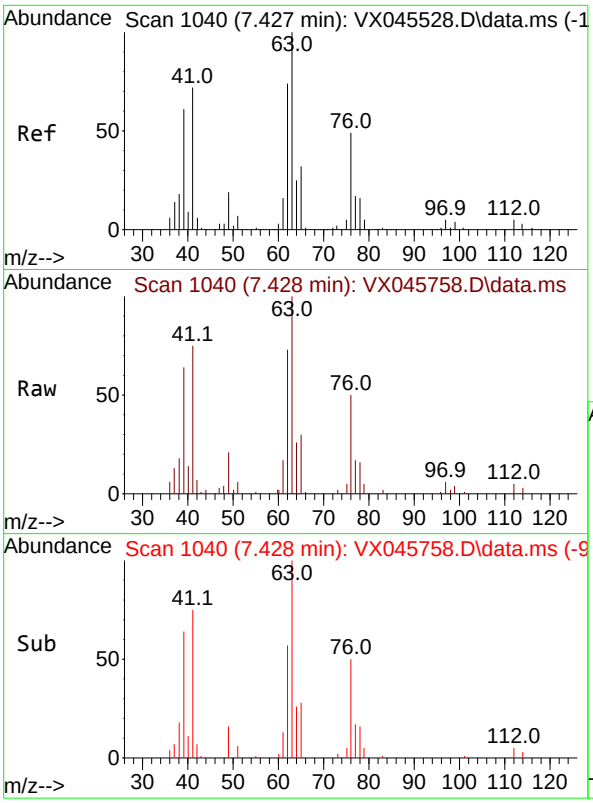


#44
Trichloroethene
Concen: 18.402 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:130 Resp: 21433

Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	202.0

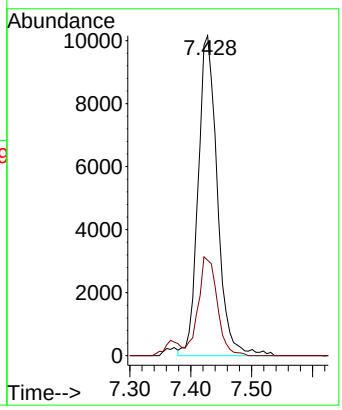




#45
1,2-Dichloropropane
Concen: 18.165 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 63 Resp: 2220

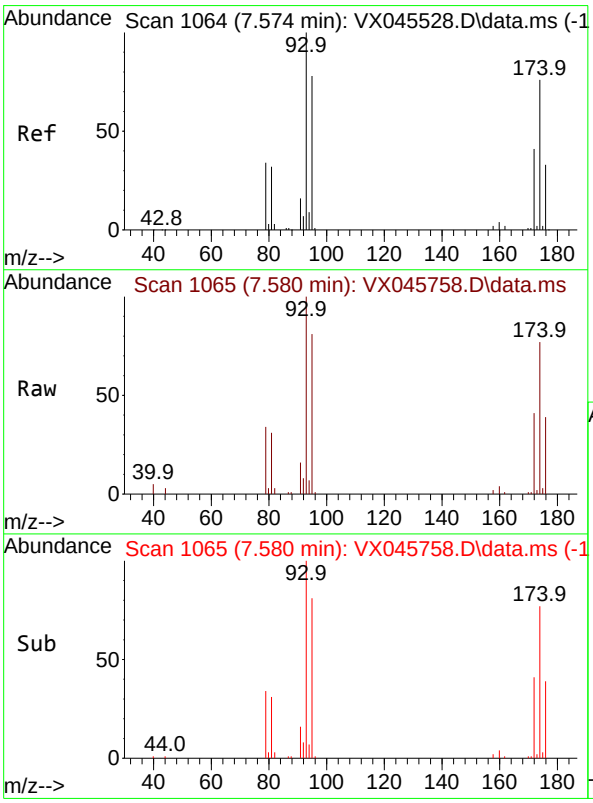
Ion	Ratio	Lower	Upper
63	100		
65	29.8	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

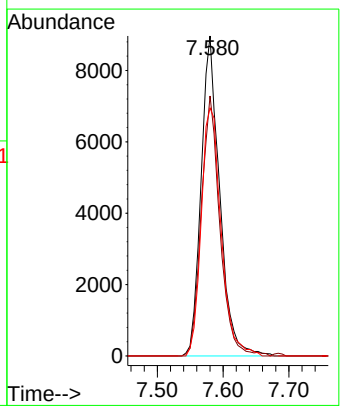
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

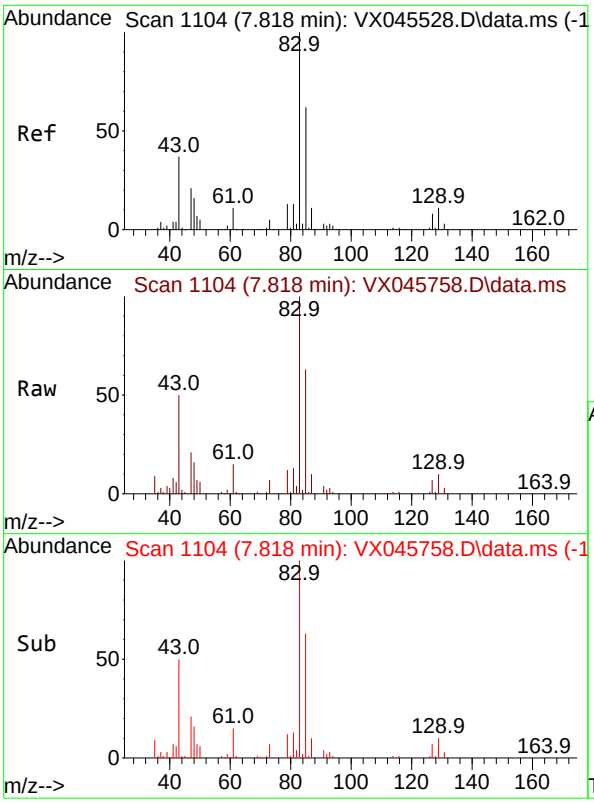


#46
Dibromomethane
Concen: 18.787 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 93 Resp: 17633

Ion	Ratio	Lower	Upper
93	100		
95	81.4	64.8	97.2
174	83.1	65.4	98.0

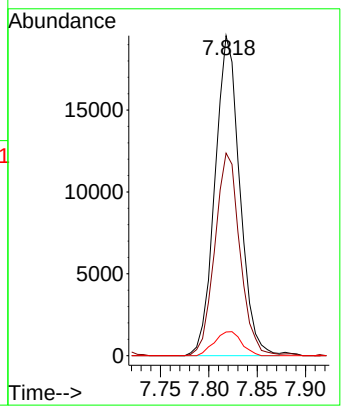




#47
Bromodichloromethane
Concen: 18.572 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 83 Resp: 3481

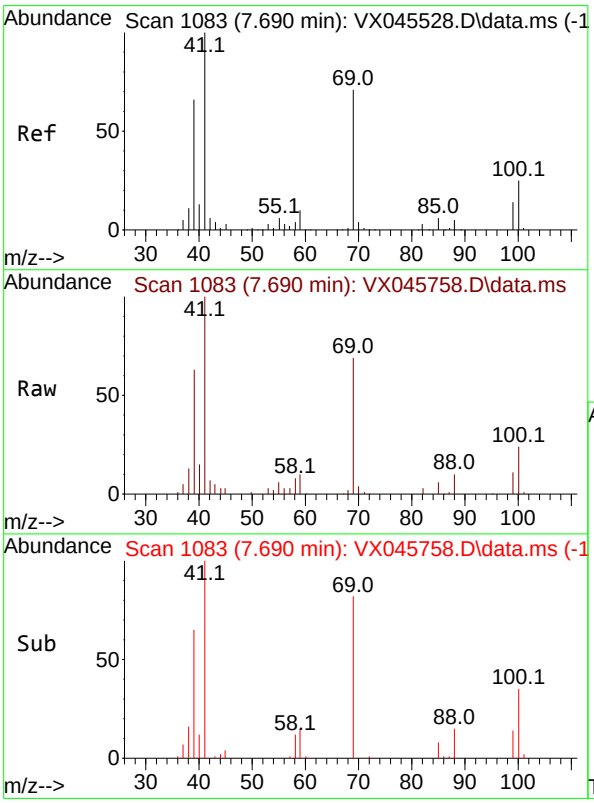
Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.7	74.5
127	7.4	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations APPROVED

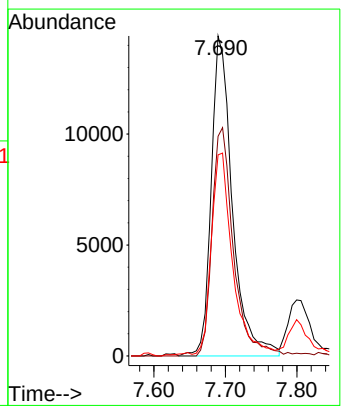
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

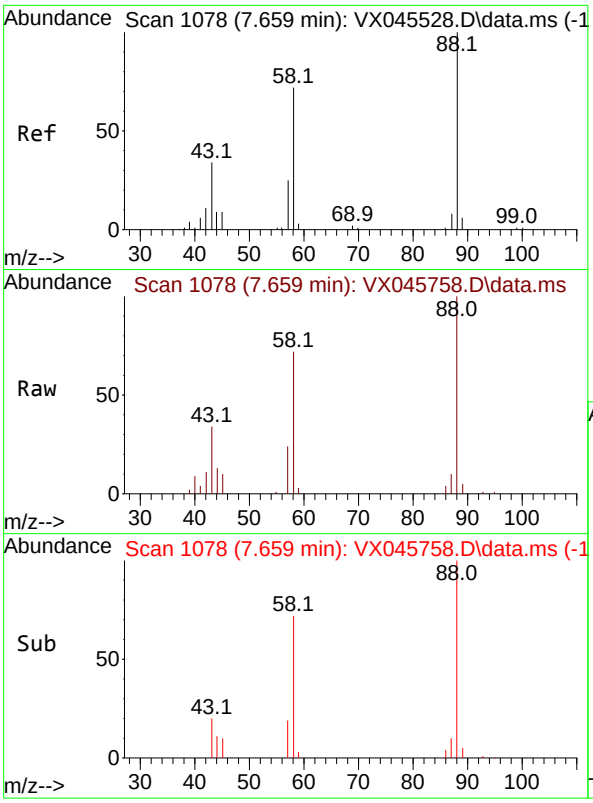


#48
Methyl methacrylate
Concen: 18.715 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 41 Resp: 29612

Ion	Ratio	Lower	Upper
41	100		
69	72.7	58.2	87.2
39	65.1	53.6	80.4

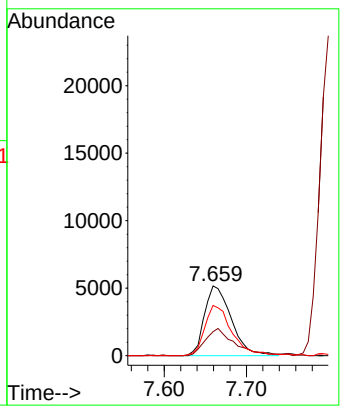




#49
1,4-Dioxane
Concen: 409.572 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 88 Resp: 1172

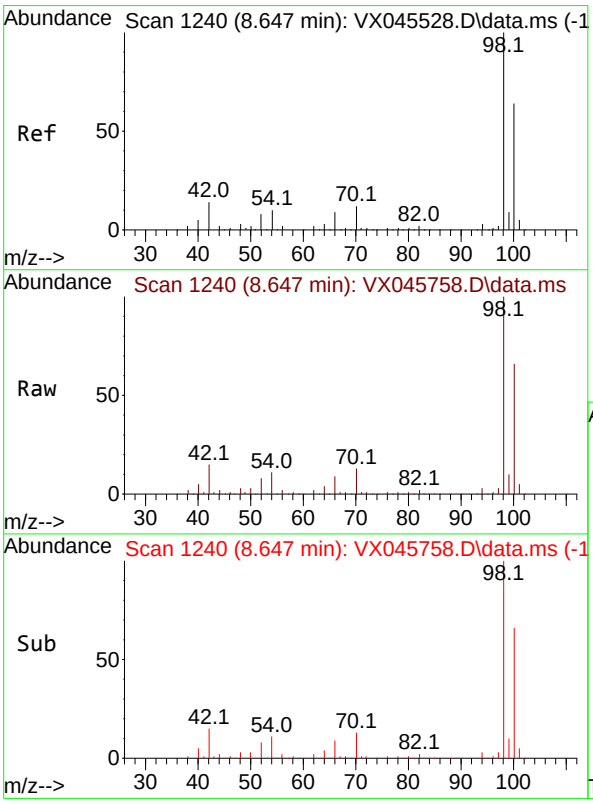
Ion	Ratio	Lower	Upper
88	100		
43	43.0	32.2	48.4
58	72.6	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

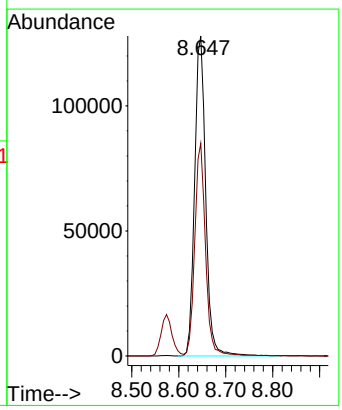
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

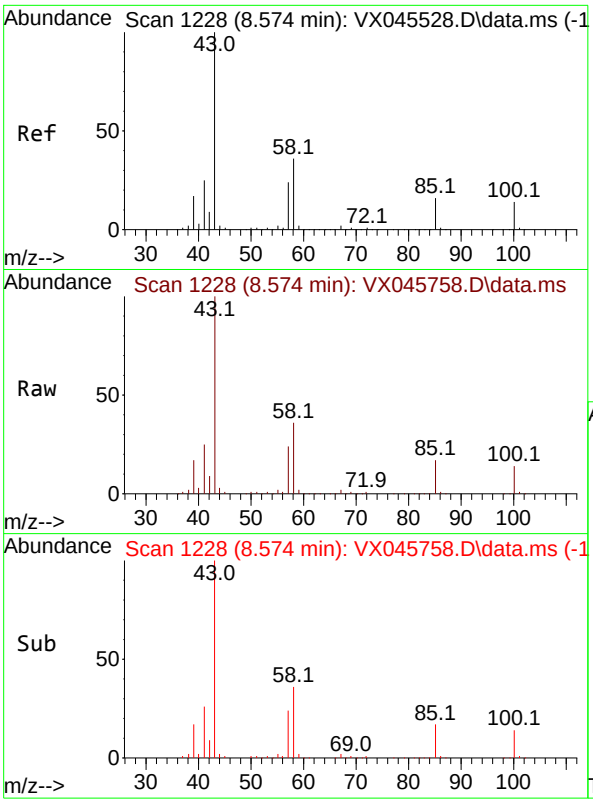


#50
Toluene-d8
Concen: 50.862 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 98 Resp: 210957

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.4

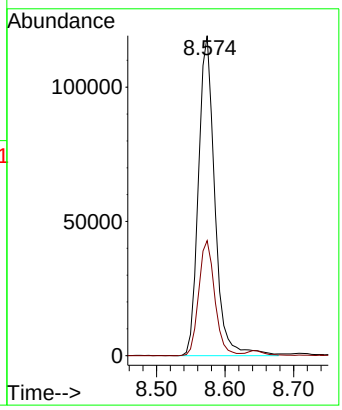




#51
4-Methyl-2-Pentanone
Concen: 97.688 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 43 Resp: 19845

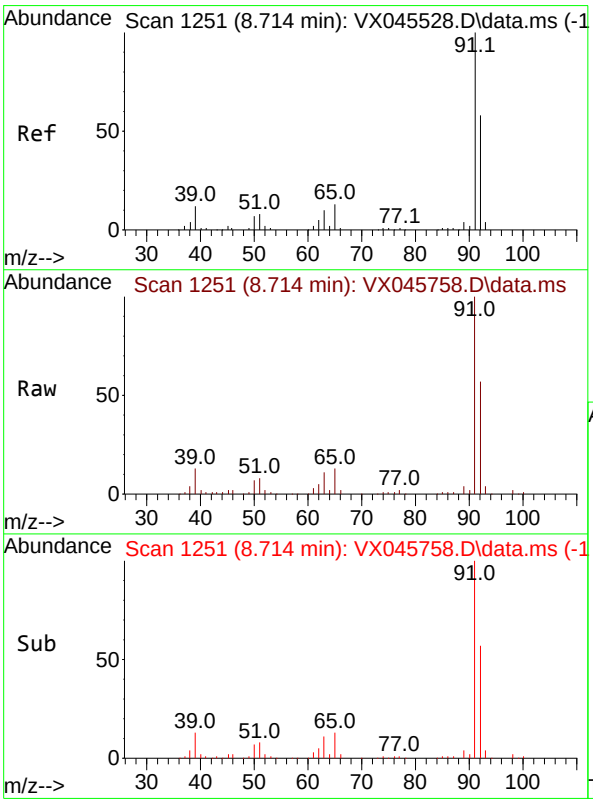
Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
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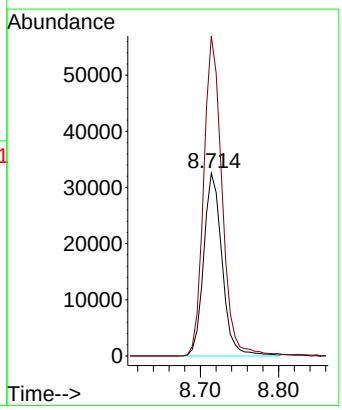
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

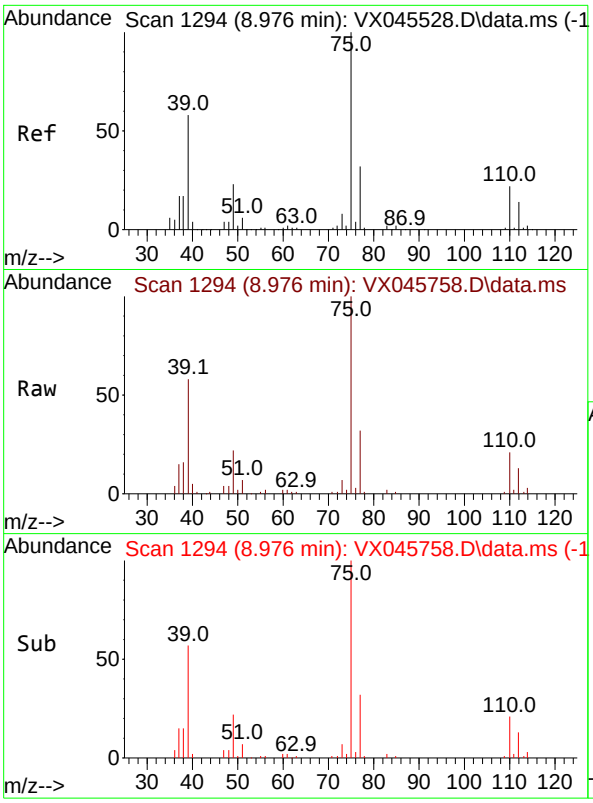


#52
Toluene
Concen: 17.891 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 92 Resp: 53050

Ion	Ratio	Lower	Upper
92	100		
91	174.8	138.7	208.1

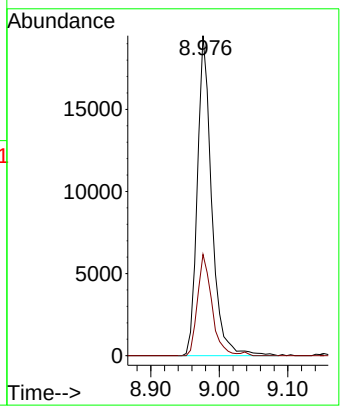




#53
t-1,3-Dichloropropene
Concen: 17.356 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 75 Resp: 2846

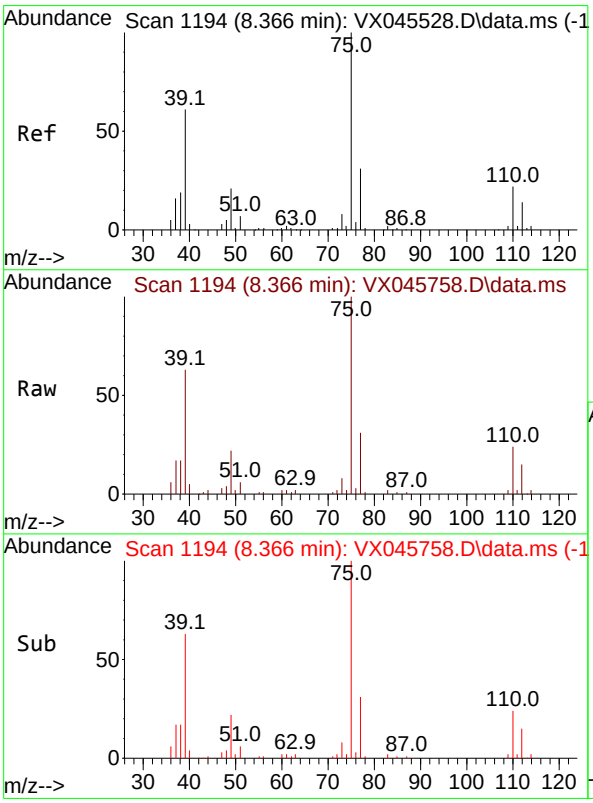
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

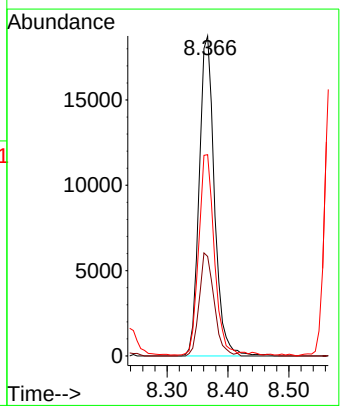
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

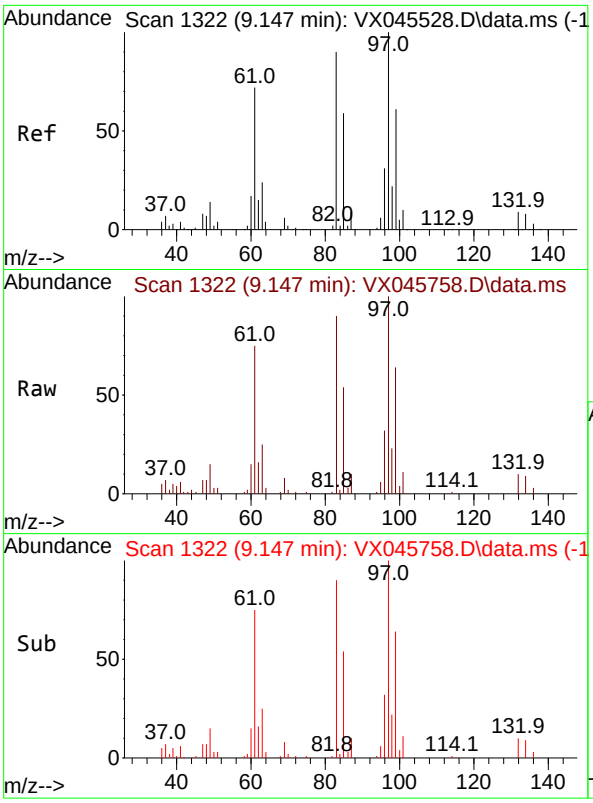


#54
cis-1,3-Dichloropropene
Concen: 18.567 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 75 Resp: 32703

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	36.8
39	62.6	48.4	72.6

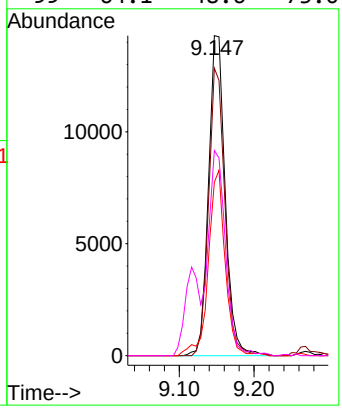




#55
1,1,2-Trichloroethane
Concen: 18.817 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 97 Resp: 2223

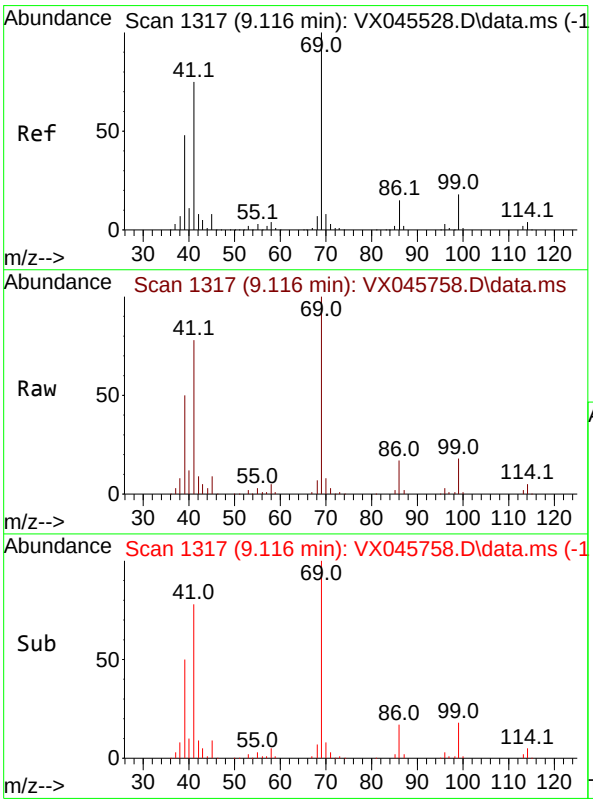
Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.8	107.8
85	54.2	47.0	70.6
99	64.1	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

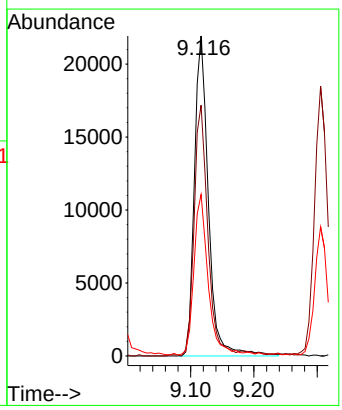
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

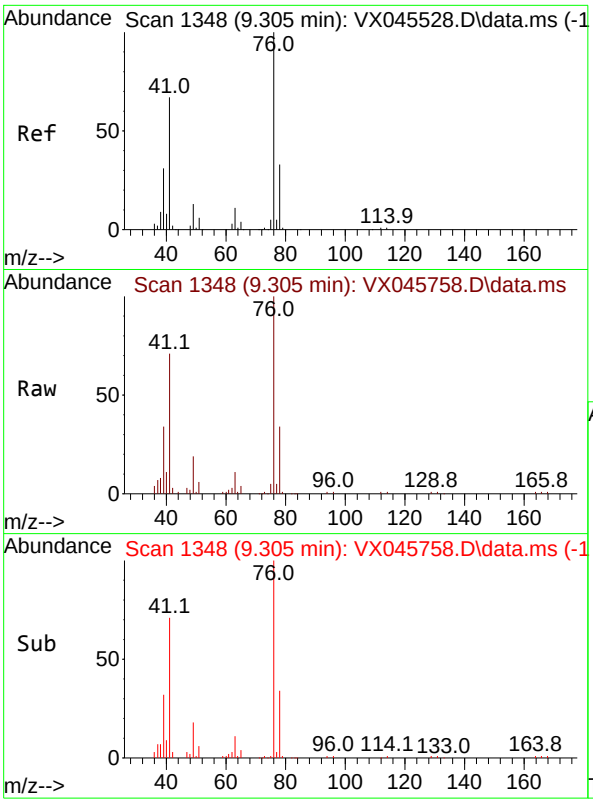


#56
Ethyl methacrylate
Concen: 18.515 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 69 Resp: 33856

Ion	Ratio	Lower	Upper
69	100		
41	76.7	61.3	91.9
39	52.5	40.2	60.2

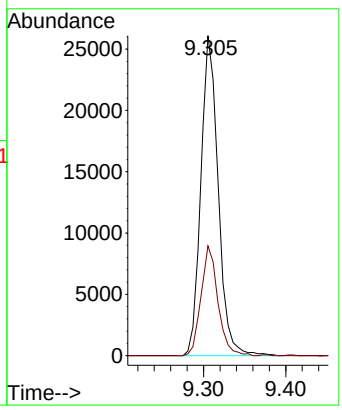




#57
1,3-Dichloropropane
Concen: 18.551 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 76 Resp: 3816

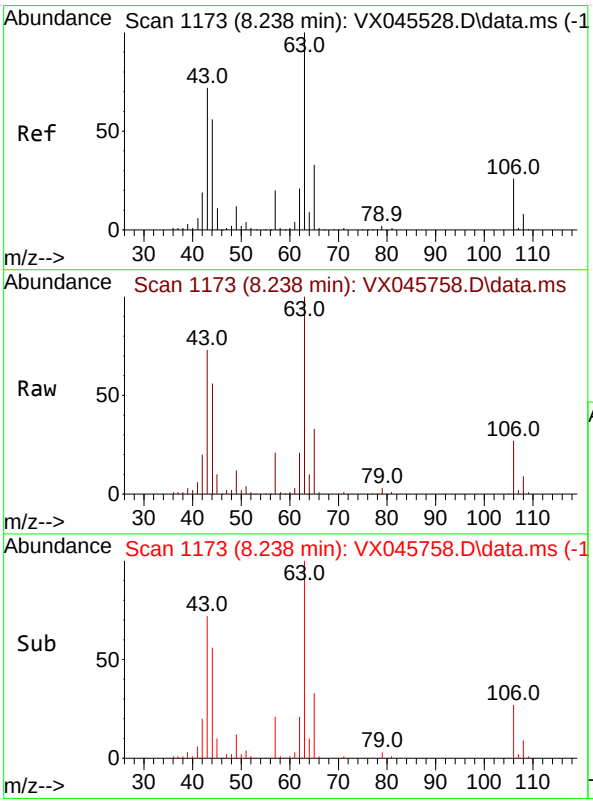
Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
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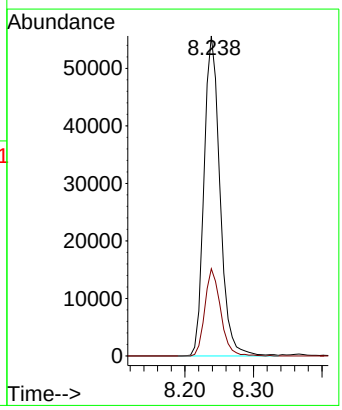
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

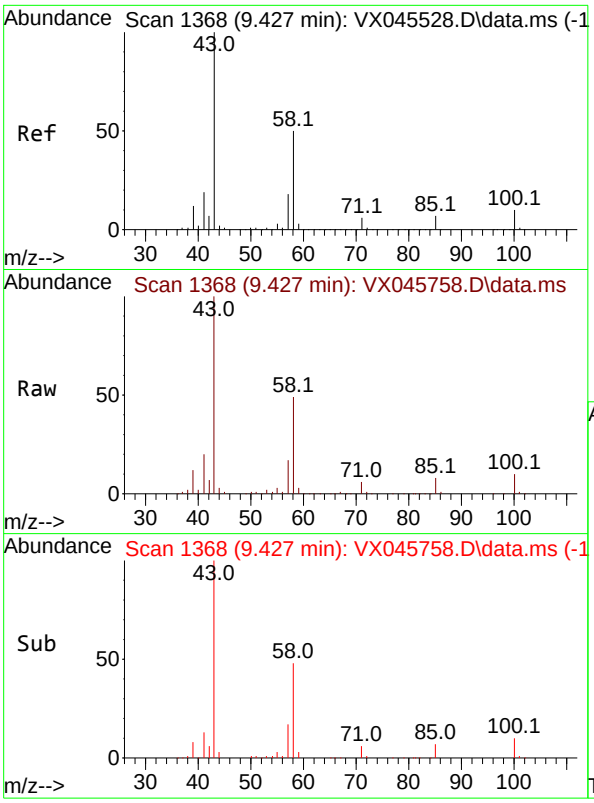


#58
2-Chloroethyl Vinyl ether
Concen: 97.644 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 63 Resp: 90324

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.0	31.6

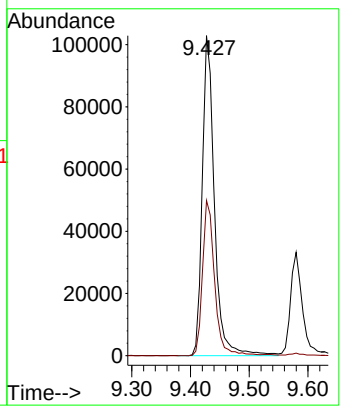




#59
2-Hexanone
Concen: 98.497 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 43 Resp: 14817

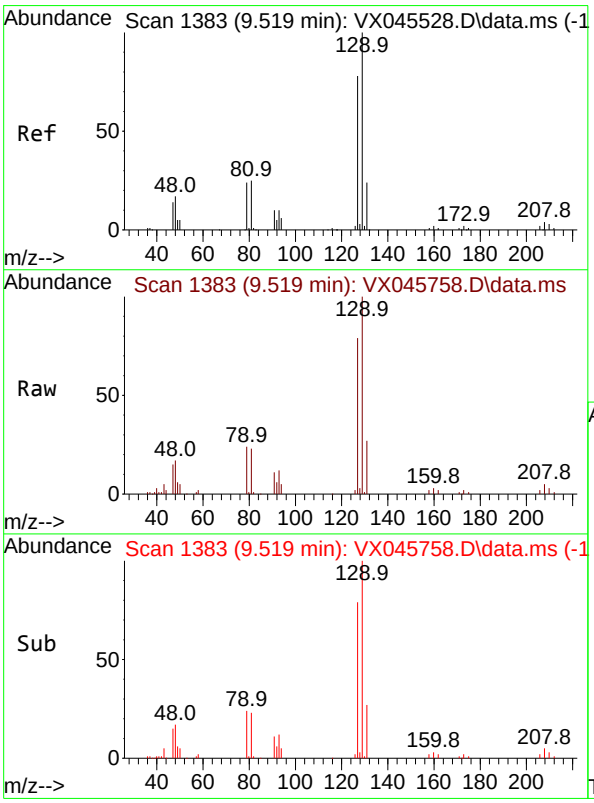
Ion	Ratio	Lower	Upper
43	100		
58	48.2	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

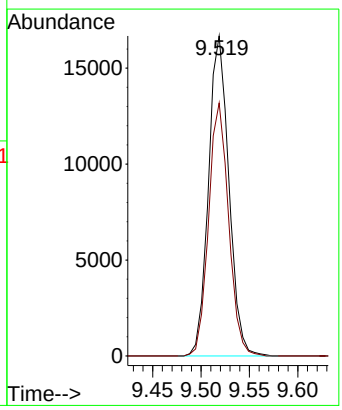
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

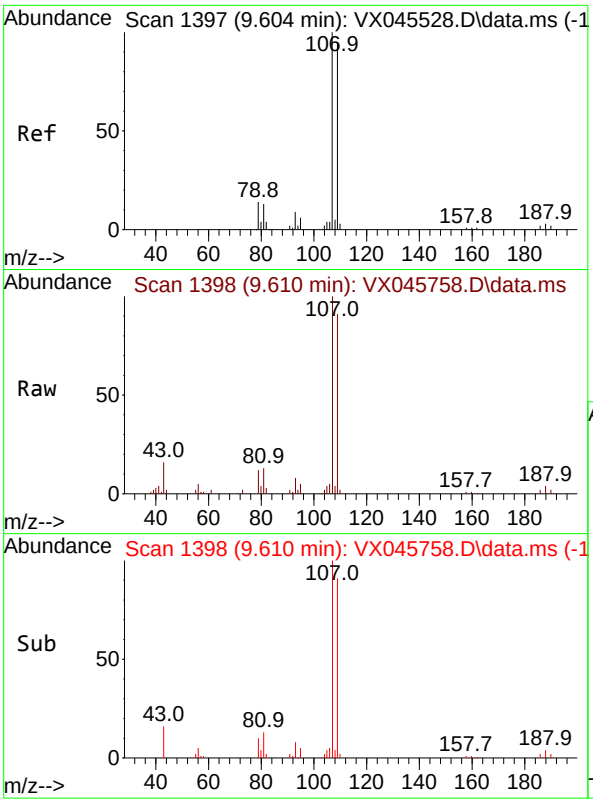


#60
Dibromochloromethane
Concen: 19.000 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:129 Resp: 24474

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.4	118.2

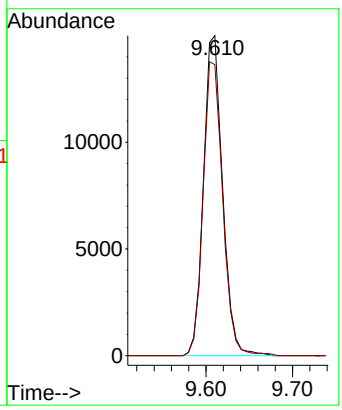




#61
1,2-Dibromoethane
Concen: 19.205 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:107 Resp: 2297

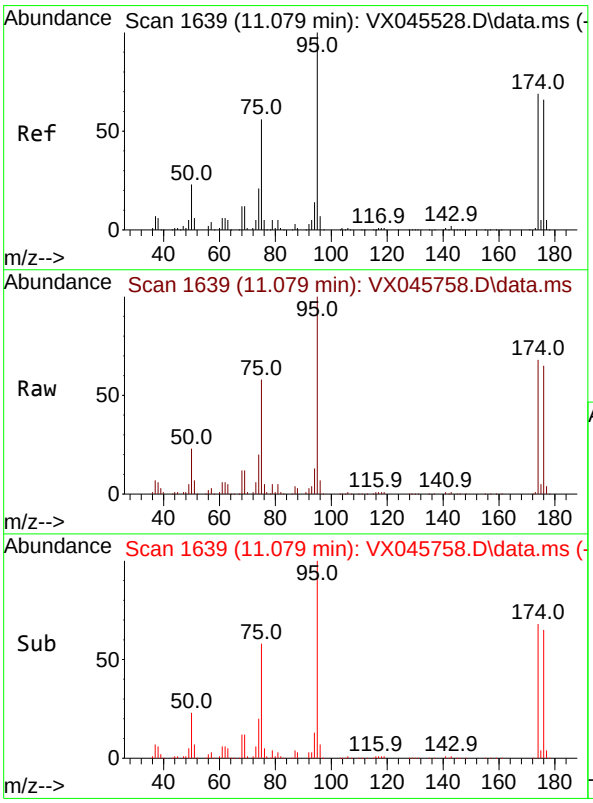
Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

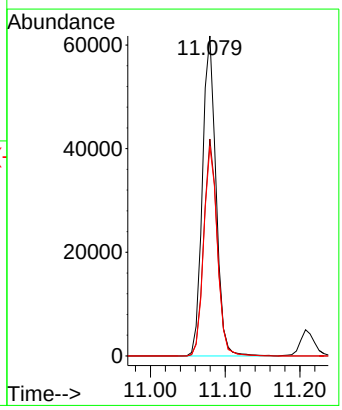
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

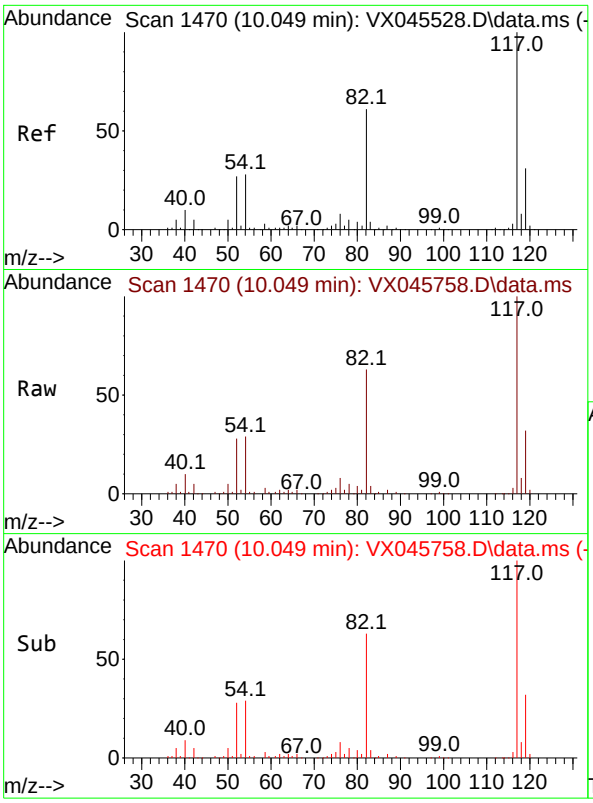


#62
4-Bromofluorobenzene
Concen: 51.491 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 95 Resp: 77792

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	135.8
176	65.4	0.0	131.4

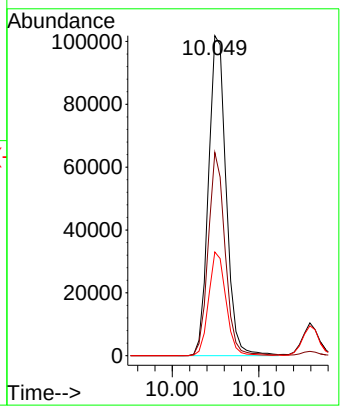




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:117 Resp: 14386

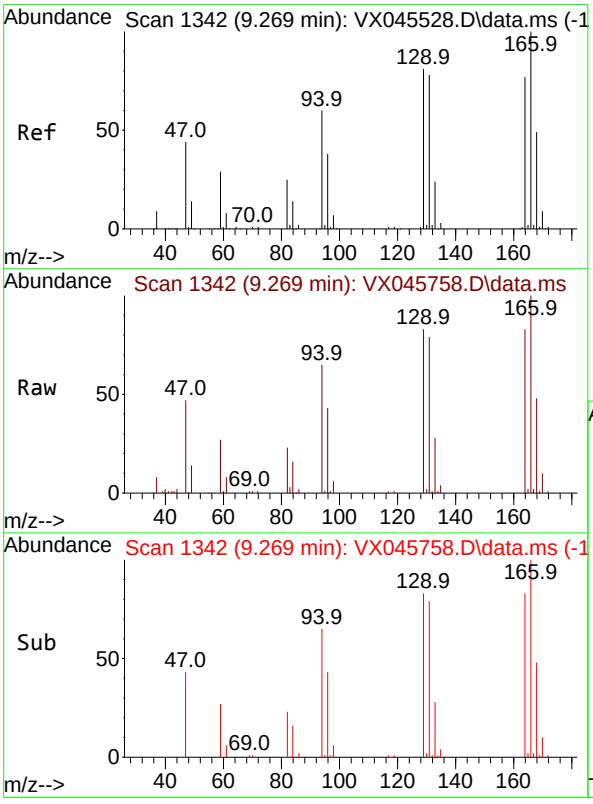
Ion	Ratio	Lower	Upper
117	100		
82	63.5	49.2	73.8
119	32.4	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
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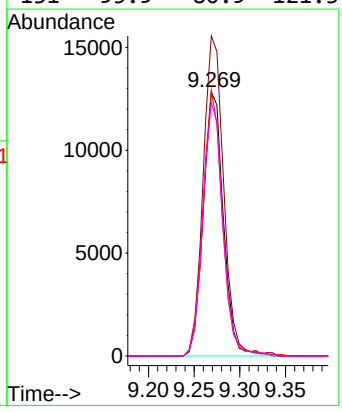
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

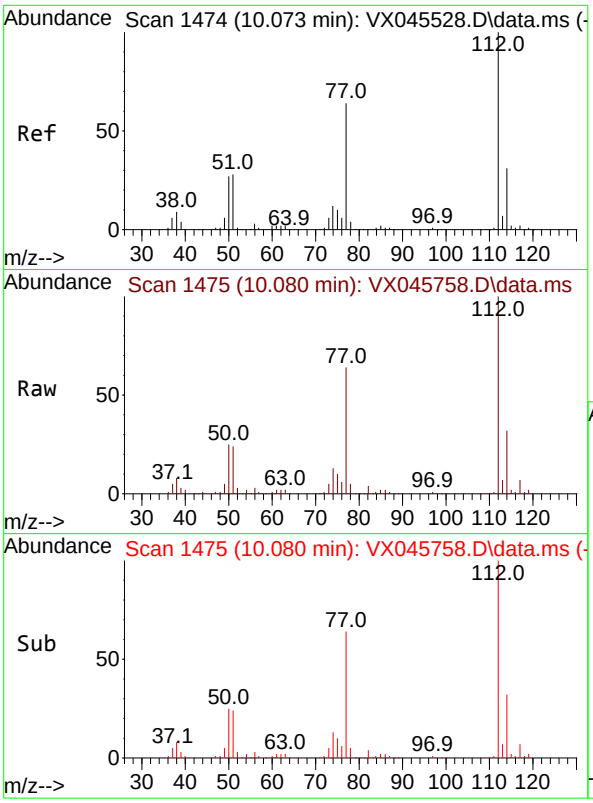


#64
Tetrachloroethene
Concen: 19.176 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:164 Resp: 19477

Ion	Ratio	Lower	Upper
164	100		
166	121.2	103.8	155.8
129	100.6	84.3	126.5
131	95.9	80.9	121.3

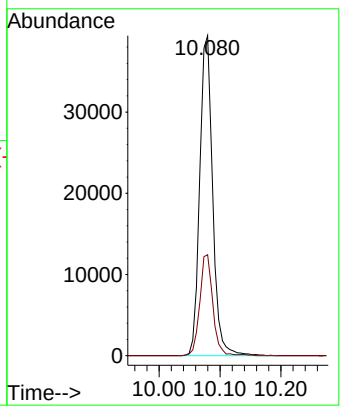




#65
Chlorobenzene
Concen: 18.891 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:112 Resp: 5807

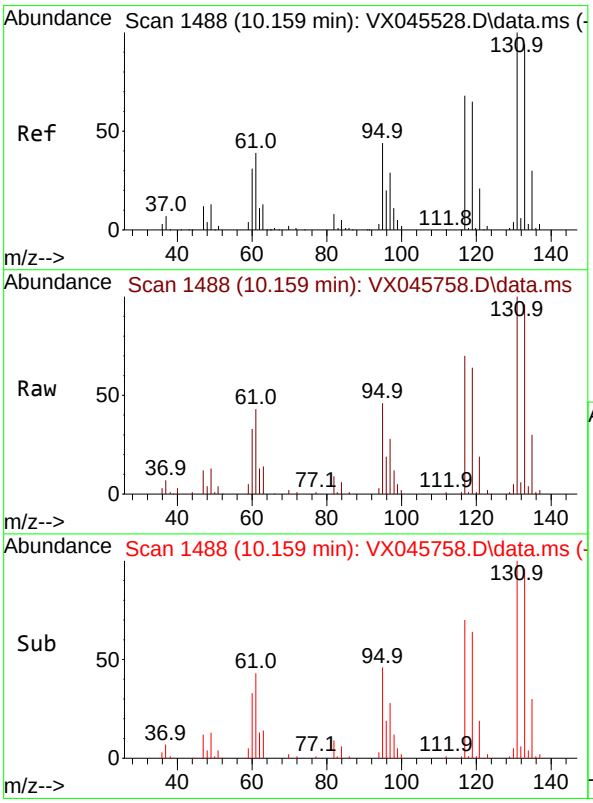
Ion	Ratio	Lower	Upper
112	100		
114	31.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

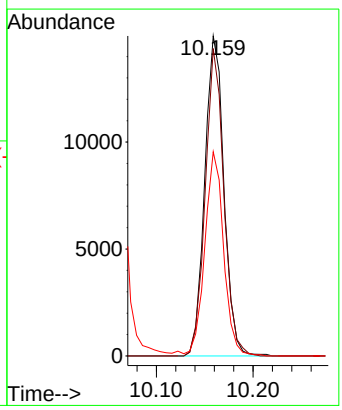
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

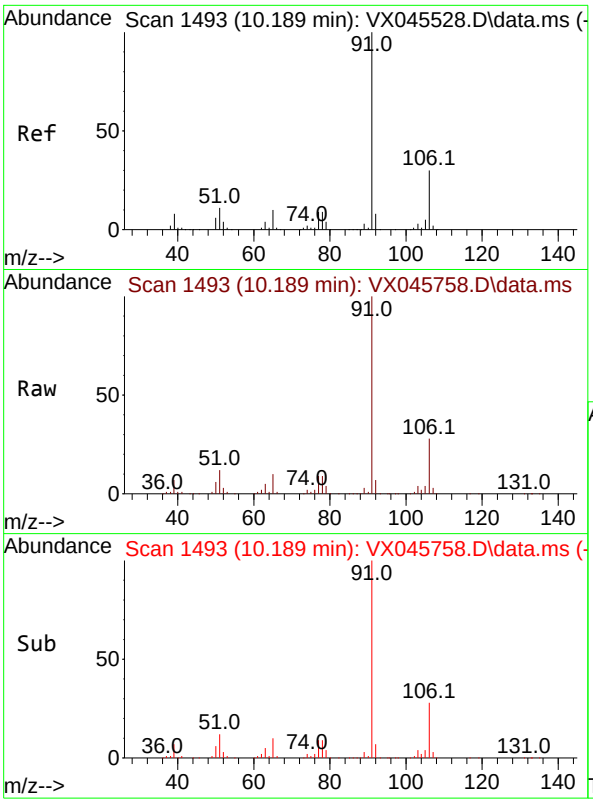


#66
1,1,1,2-Tetrachloroethane
Concen: 19.342 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:131 Resp: 20643

Ion	Ratio	Lower	Upper
131	100		
133	93.2	47.5	142.5
119	63.1	32.9	98.6

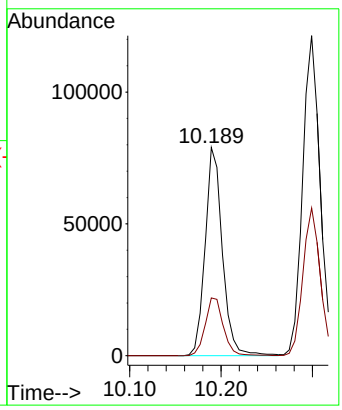




#67
Ethyl Benzene
Concen: 18.783 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 91 Resp: 10341

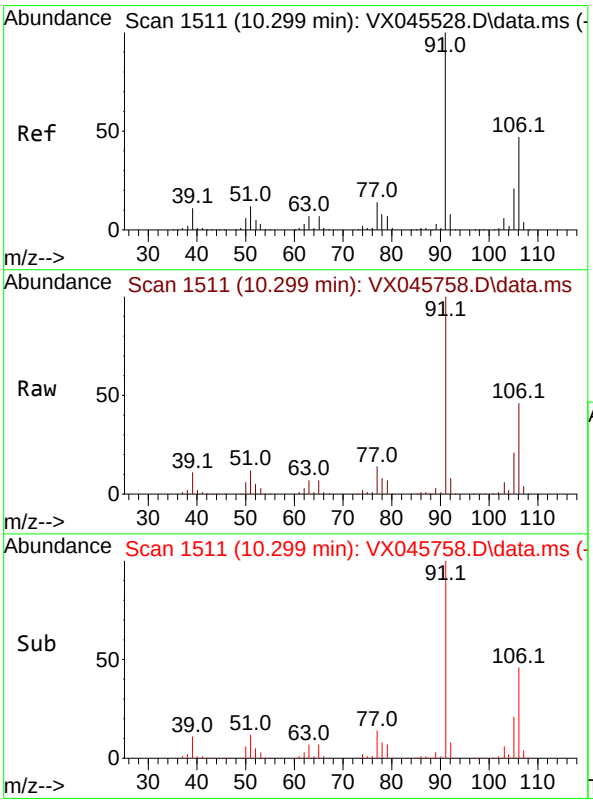
Ion	Ratio	Lower	Upper
91	100		
106	27.7	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

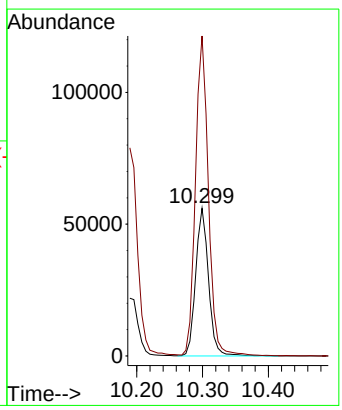
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

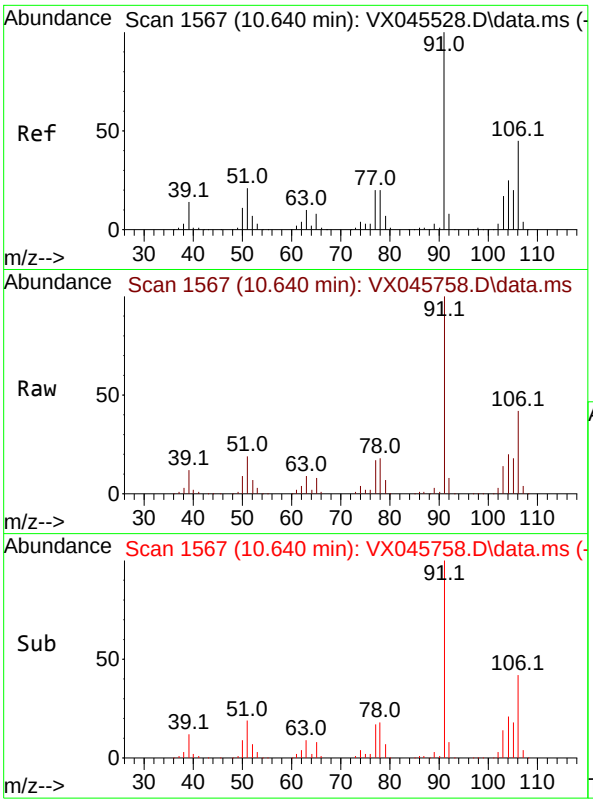


#68
m/p-Xylenes
Concen: 37.830 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:106 Resp: 75752

Ion	Ratio	Lower	Upper
106	100		
91	217.7	172.6	258.8

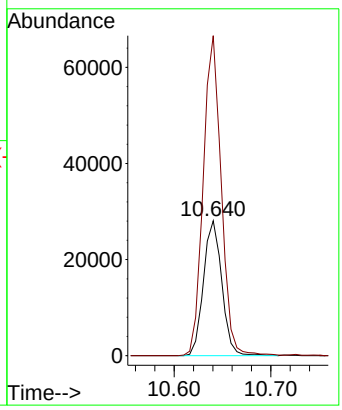




#69
o-Xylene
Concen: 18.803 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:106 Resp: 3709

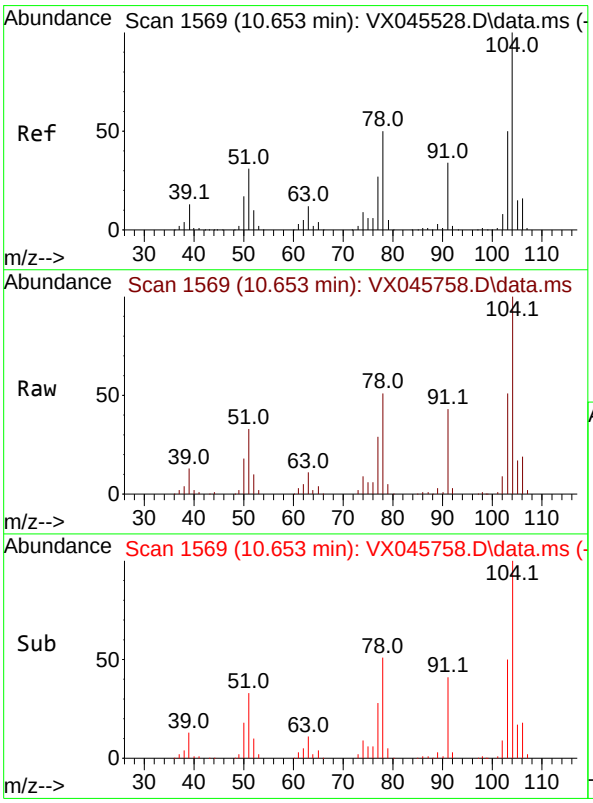
Ion	Ratio	Lower	Upper
106	100		
91	233.0	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

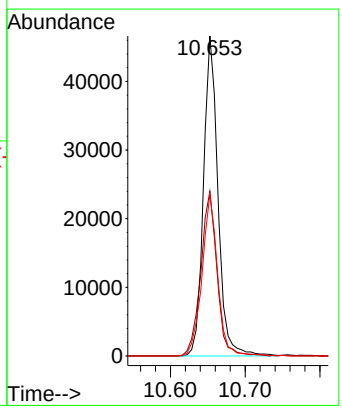
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

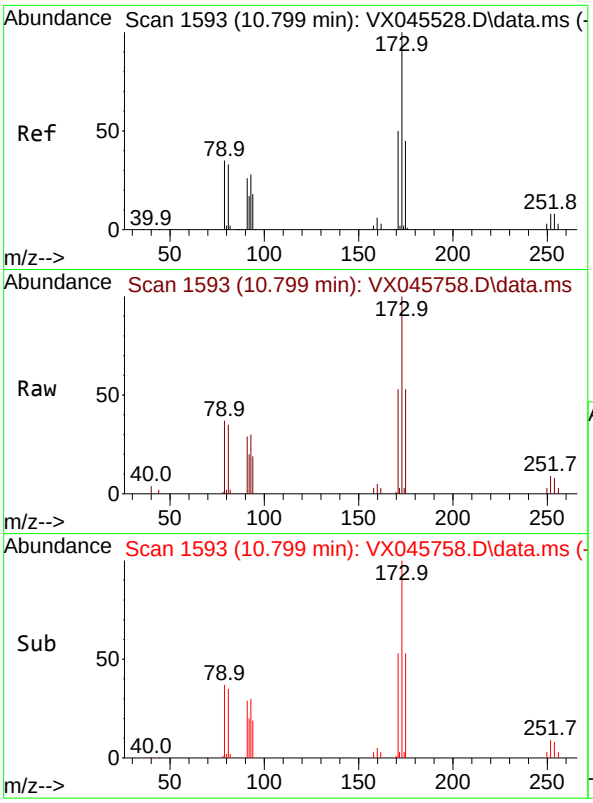


#70
Styrene
Concen: 19.302 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:104 Resp: 62843

Ion	Ratio	Lower	Upper
104	100		
78	57.4	45.4	68.2
103	54.5	43.8	65.8

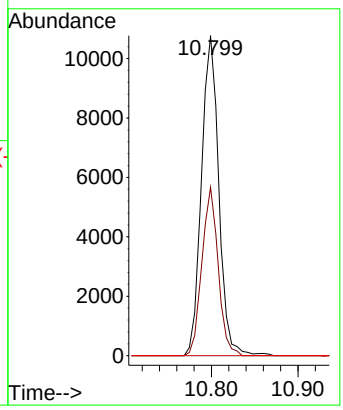




#71
Bromoform
Concen: 18.772 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:173 Resp: 1495

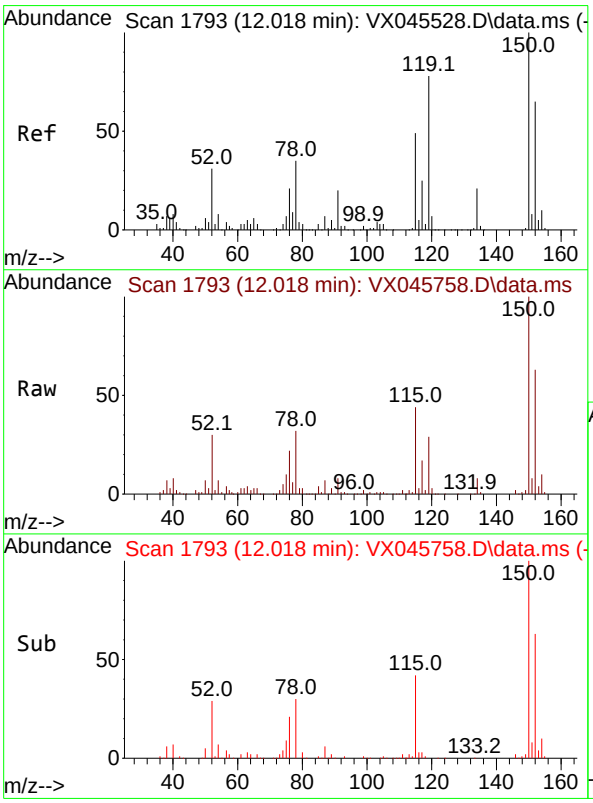
Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

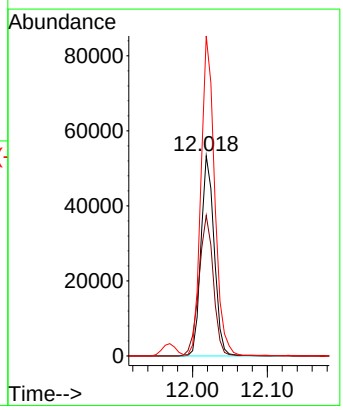
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

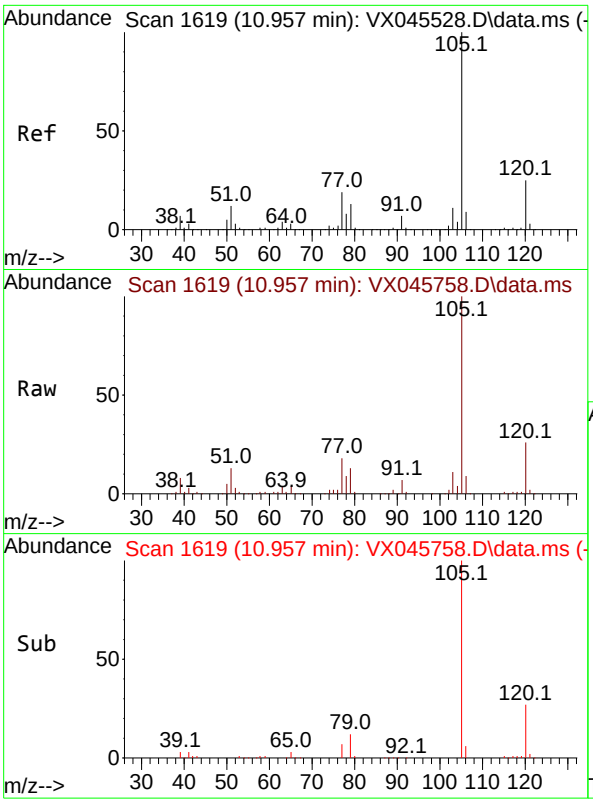


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:152 Resp: 65376

Ion	Ratio	Lower	Upper
152	100		
115	76.6	46.9	140.7
150	164.7	0.0	349.4





#73
Isopropylbenzene
Concen: 19.203 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

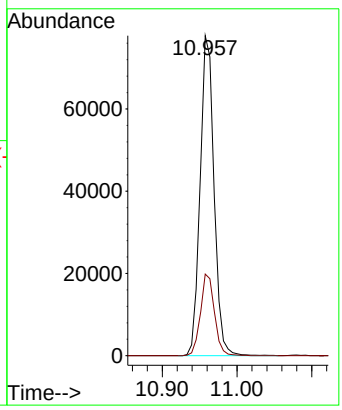
Tgt Ion:105 Resp: 10055

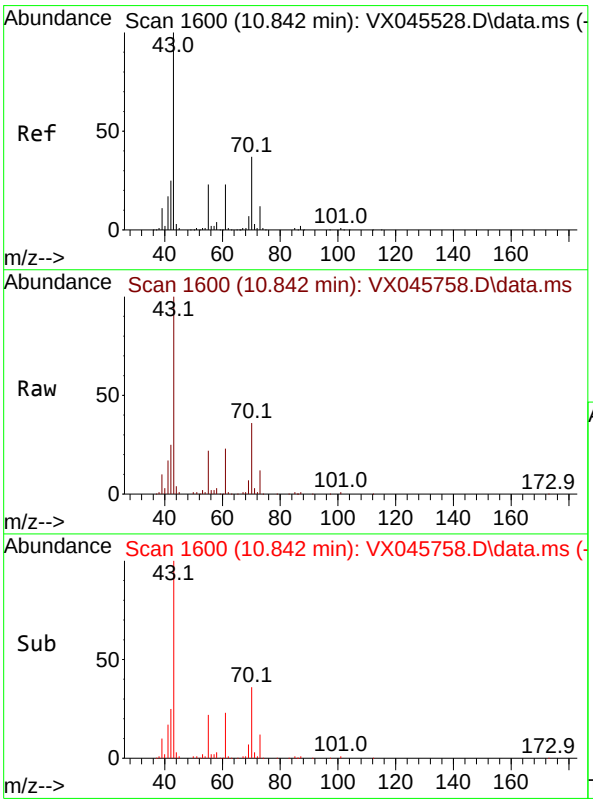
Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

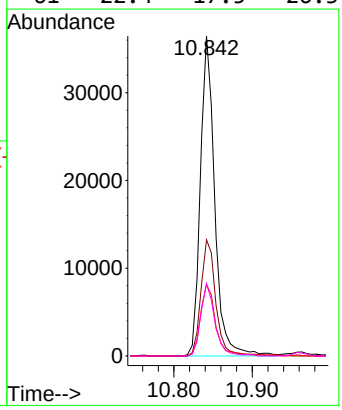


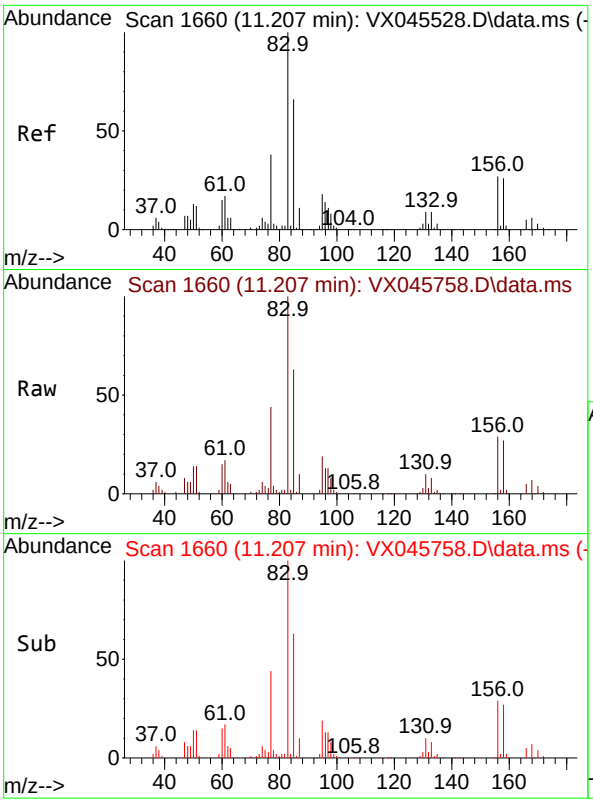


#74
N-amyl acetate
Concen: 18.586 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 43 Resp: 46558

Ion	Ratio	Lower	Upper
43	100		
70	37.7	30.1	45.1
55	23.8	18.3	27.5
61	22.4	17.5	26.3

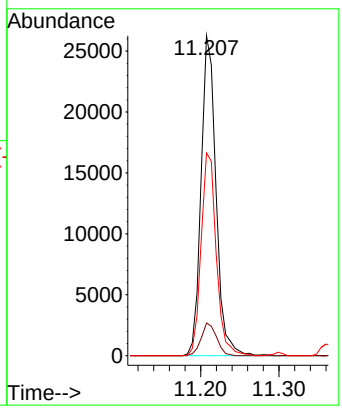




#75
1,1,2,2-Tetrachloroethane
Concen: 18.901 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 83 Resp: 3476

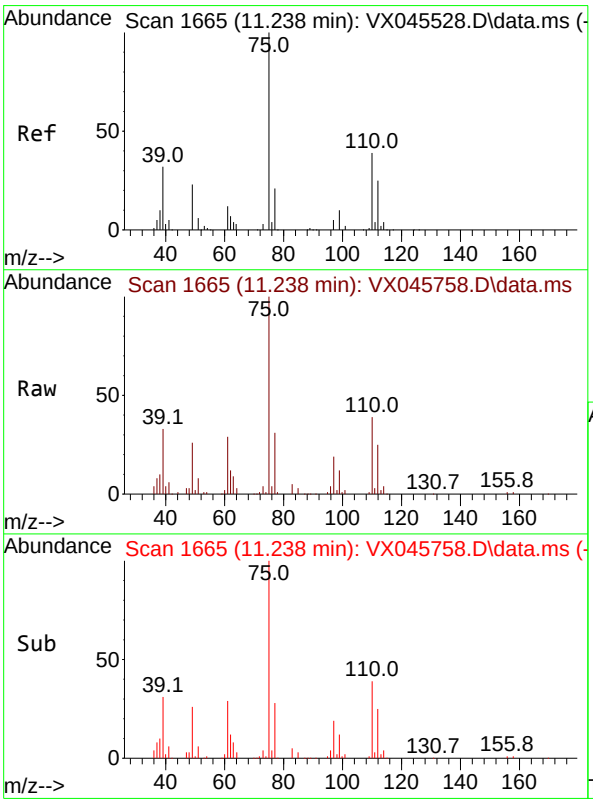
Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.7	14.1
85	64.4	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations APPROVED

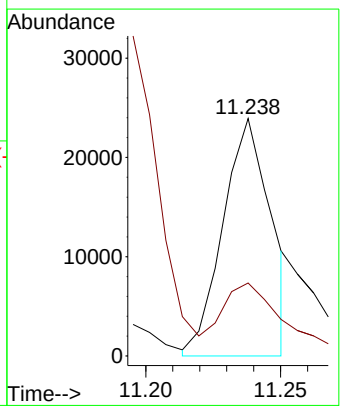
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

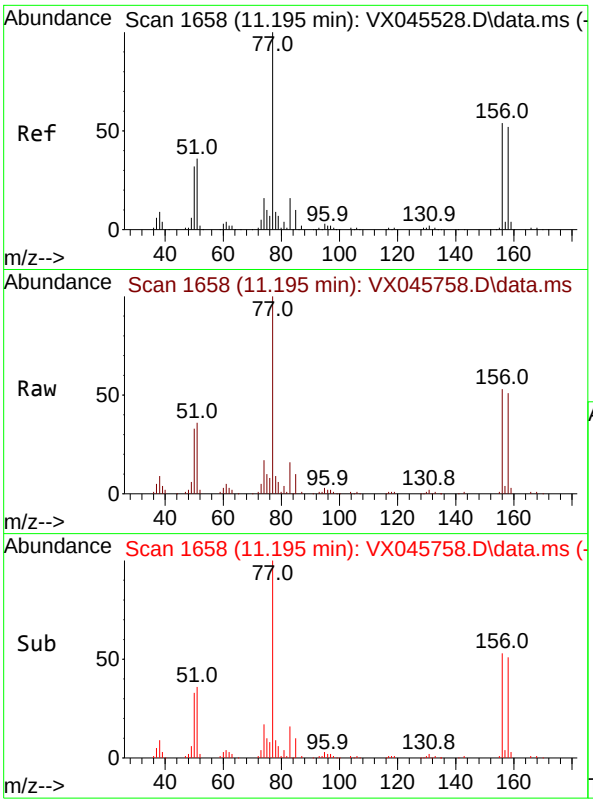


#76
1,2,3-Trichloropropane
Concen: 18.609 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 75 Resp: 29675

Ion	Ratio	Lower	Upper
75	100		
77	40.4	20.0	59.9

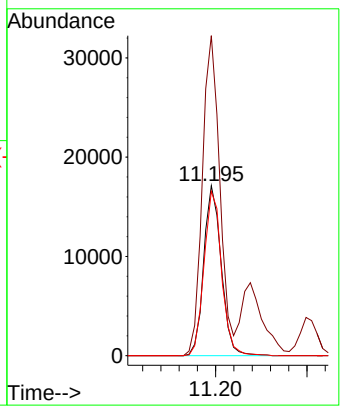




#77
Bromobenzene
Concen: 18.775 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:156 Resp: 2271

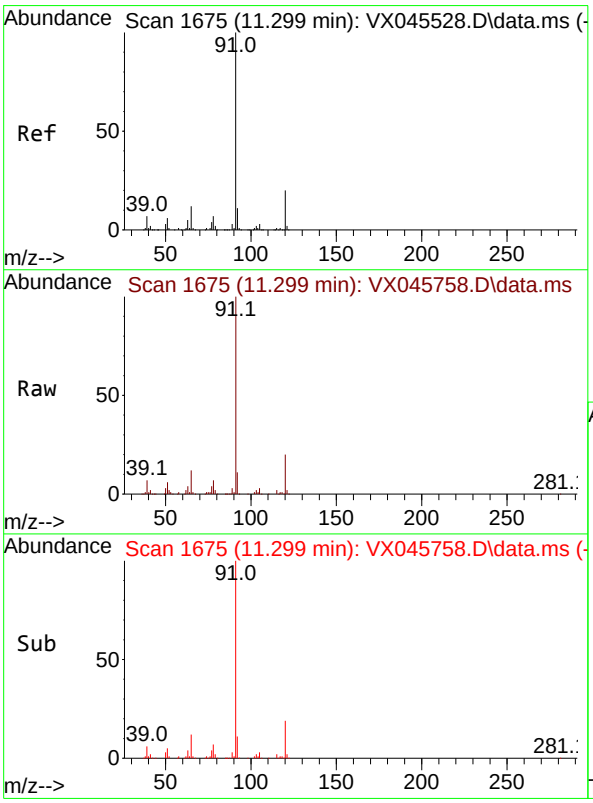
Ion	Ratio	Lower	Upper
156	100		
77	187.8	92.6	277.8
158	97.4	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

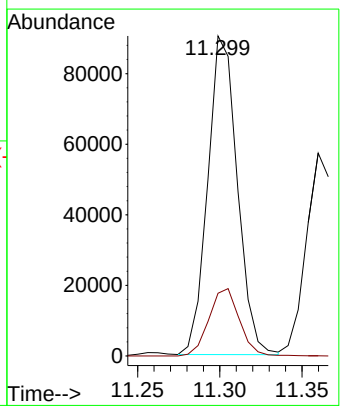
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

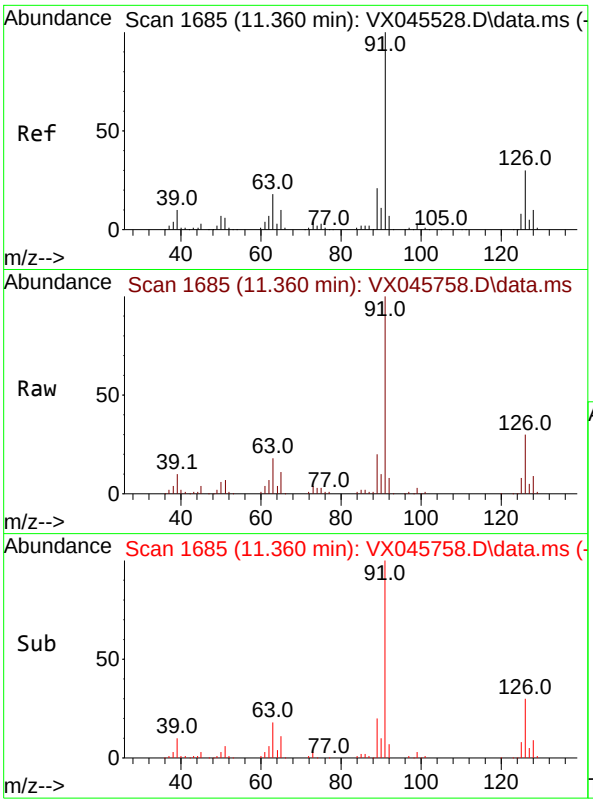


#78
n-propylbenzene
Concen: 18.759 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 91 Resp: 113153

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.3

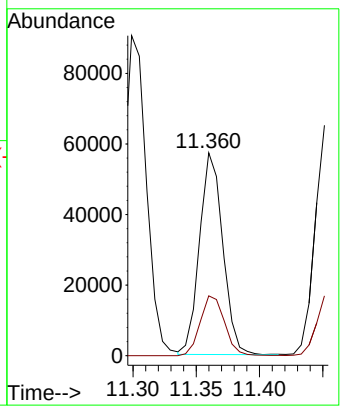




#79
2-Chlorotoluene
Concen: 19.042 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 91 Resp: 7342

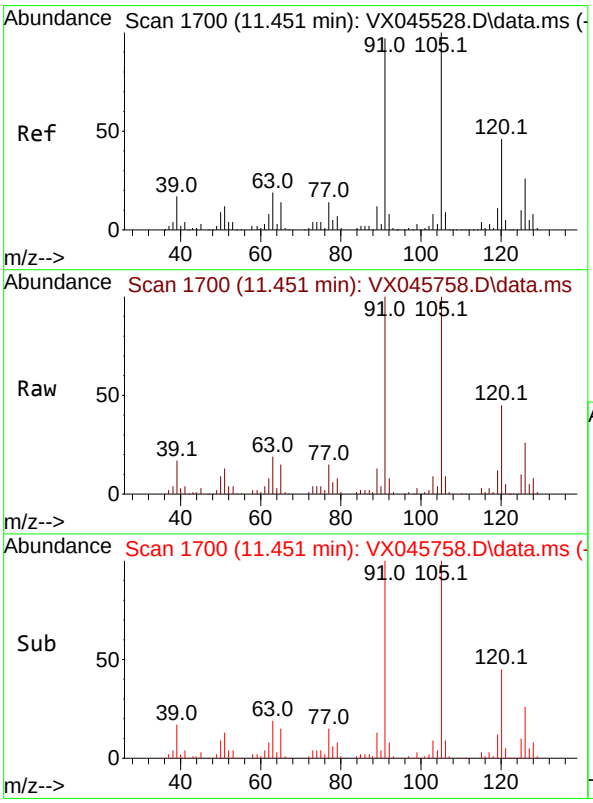
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

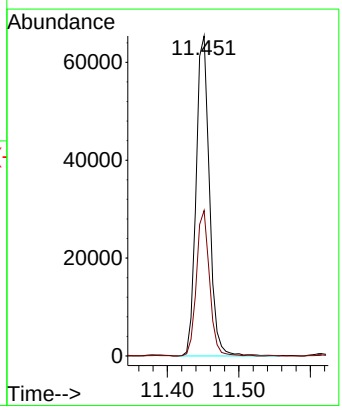
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

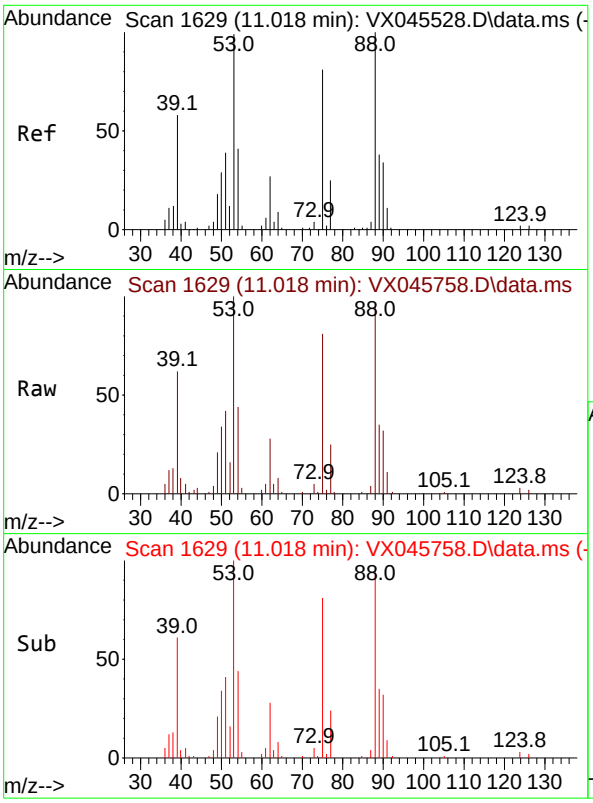


#80
1,3,5-Trimethylbenzene
Concen: 19.513 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:105 Resp: 84497

Ion	Ratio	Lower	Upper
105	100		
120	44.6	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 17.965 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

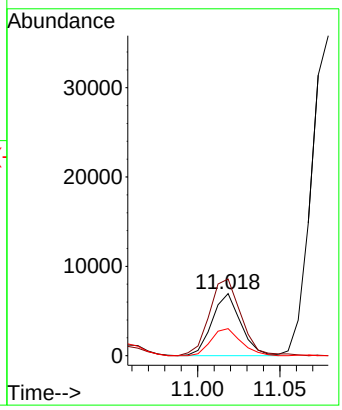
Tgt Ion: 75 Resp: 844

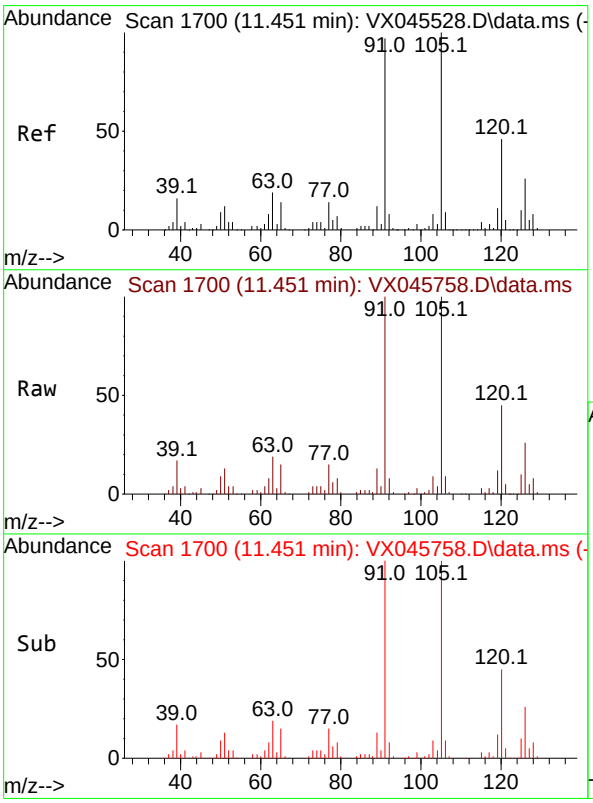
Ion	Ratio	Lower	Upper
75	100		
53	136.7	101.8	152.6
89	45.6	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

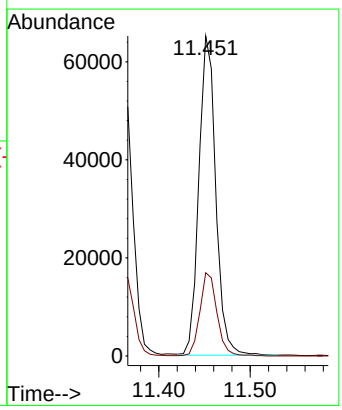


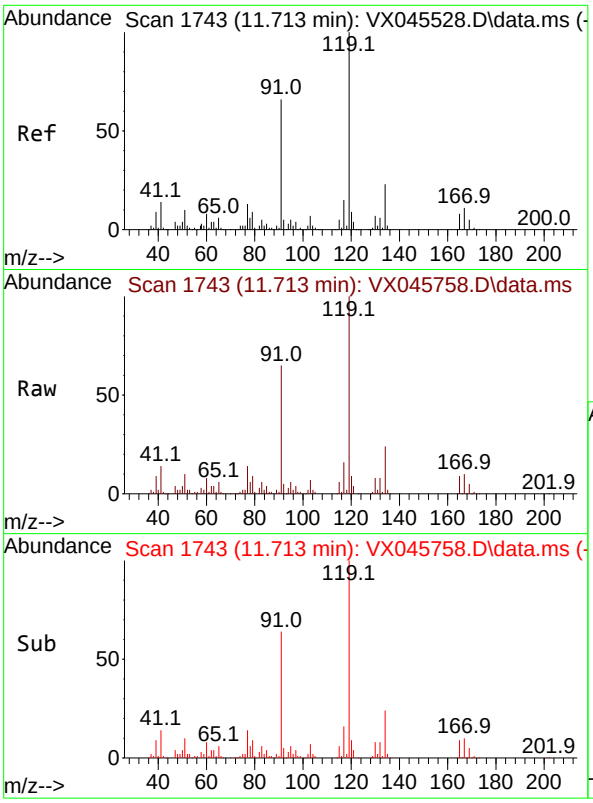


#82
4-Chlorotoluene
Concen: 19.406 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 91 Resp: 83434

Ion	Ratio	Lower	Upper
91	100		
126	26.4	13.3	39.9

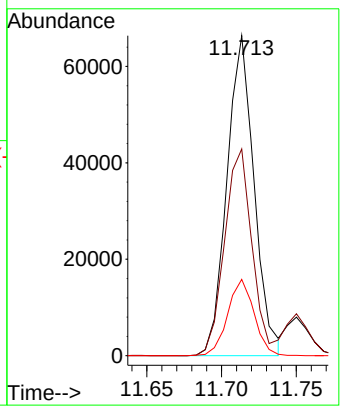




#83
tert-Butylbenzene
Concen: 19.610 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:119 Resp: 8407

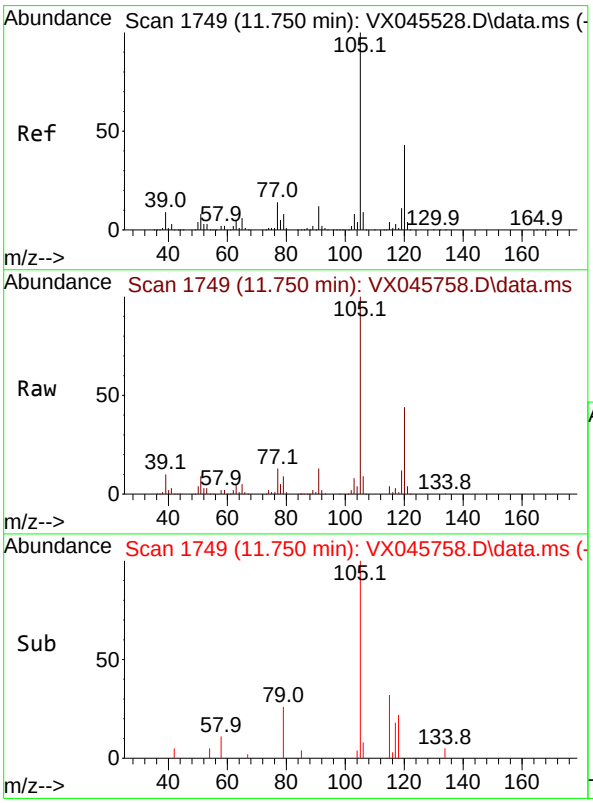
Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.4	97.2
134	23.2	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

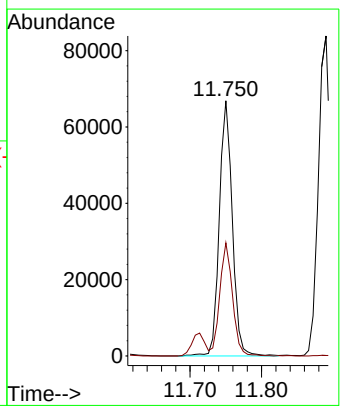
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

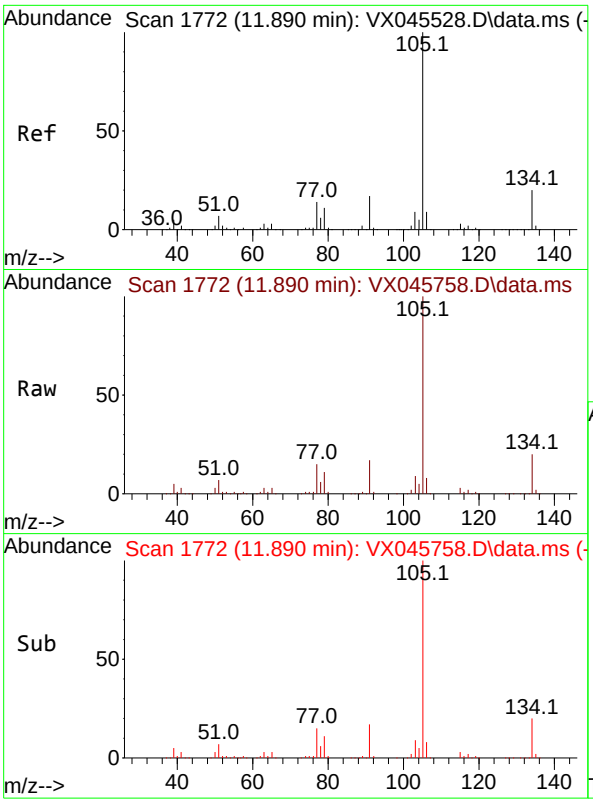


#84
1,2,4-Trimethylbenzene
Concen: 19.448 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:105 Resp: 84525

Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.4	64.3





#85
sec-Butylbenzene
Concen: 19.629 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

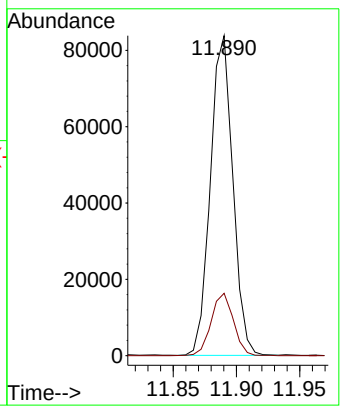
Tgt Ion:105 Resp: 10335

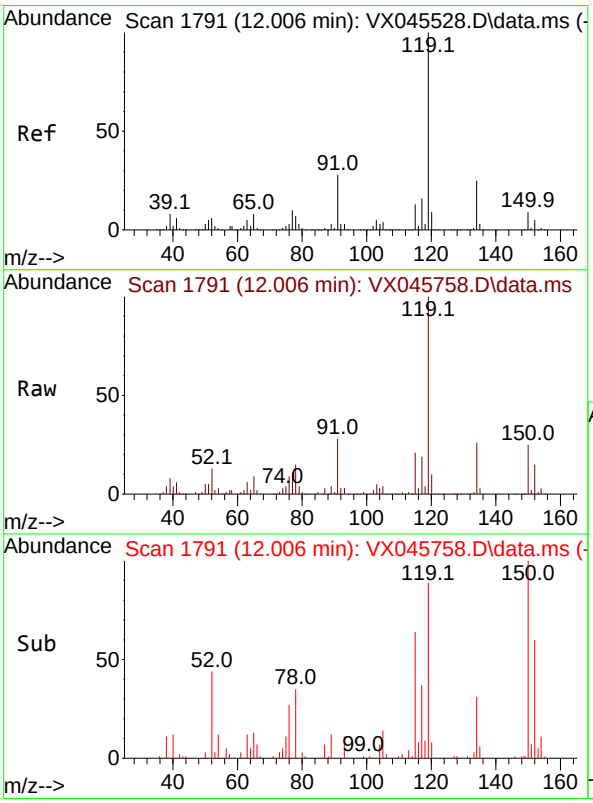
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.6	28.6

Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

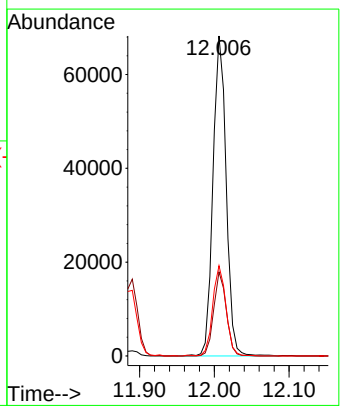


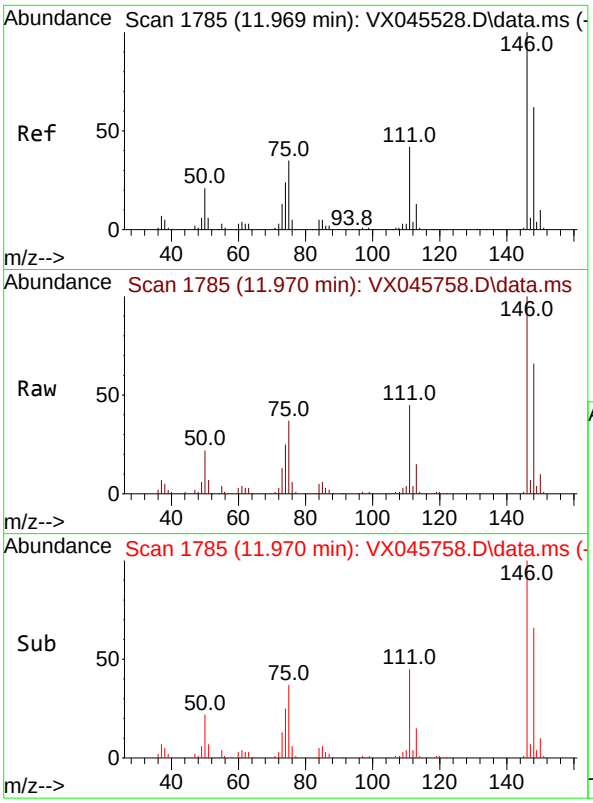


#86
p-Isopropyltoluene
Concen: 19.310 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:119 Resp: 83829

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	28.5	13.7	41.1

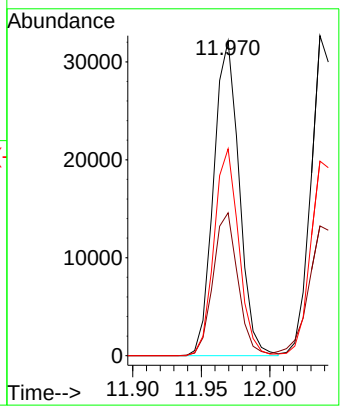




#87
1,3-Dichlorobenzene
Concen: 18.914 ug/l
RT: 11.970 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:146 Resp: 4165

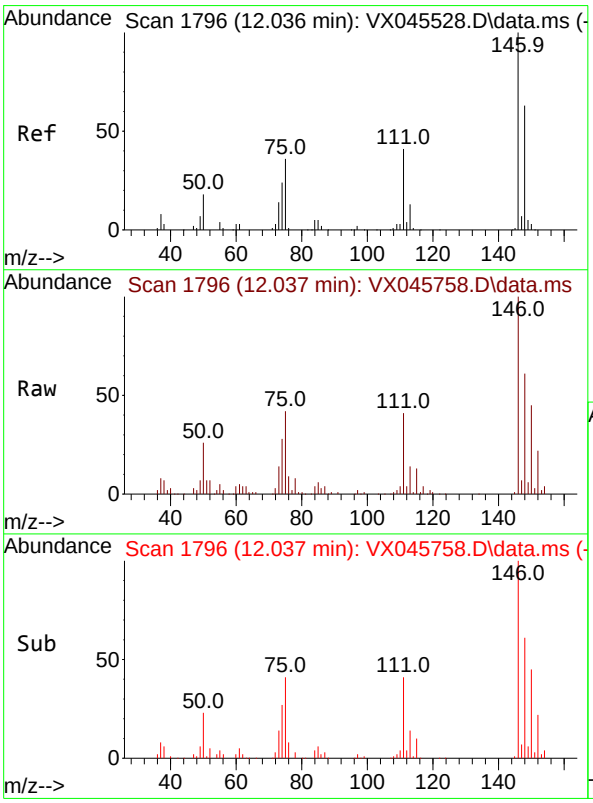
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	63.4	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

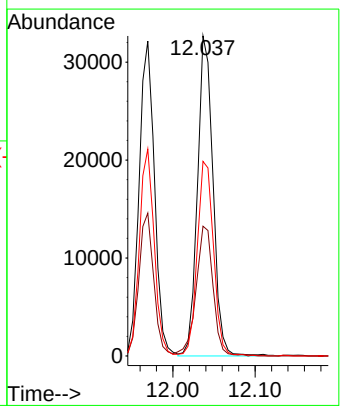
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

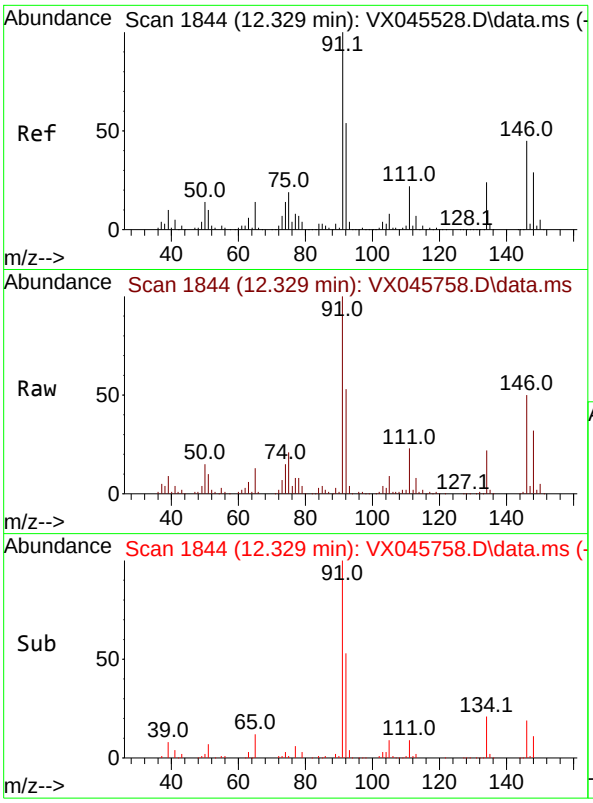


#88
1,4-Dichlorobenzene
Concen: 19.198 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:146 Resp: 42867

Ion	Ratio	Lower	Upper
146	100		
111	44.5	20.9	62.8
148	63.9	31.5	94.5

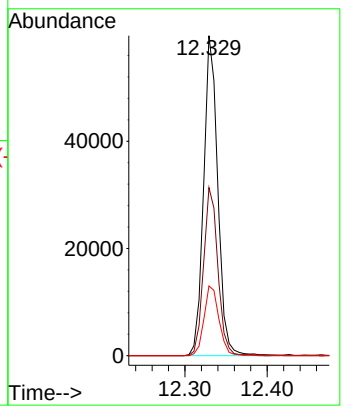




#89
n-Butylbenzene
Concen: 19.007 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 91 Resp: 7155

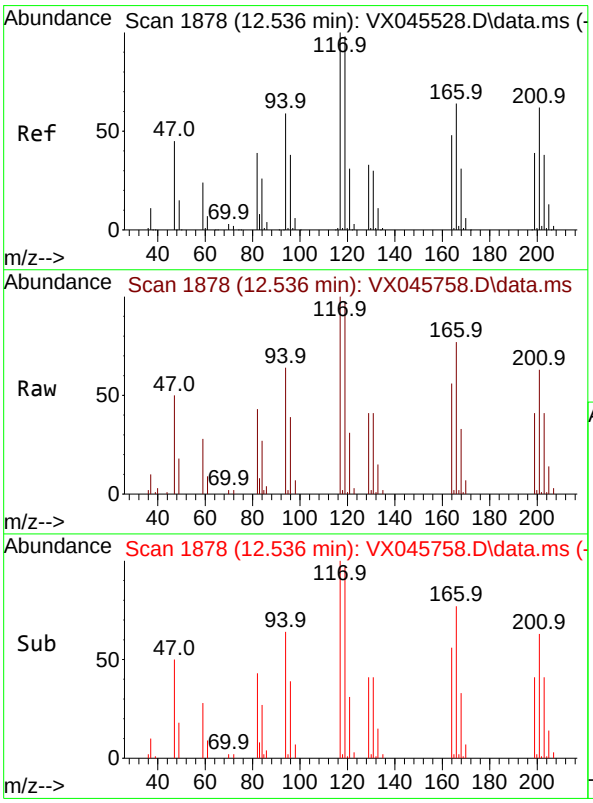
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.9	80.6
134	23.0	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

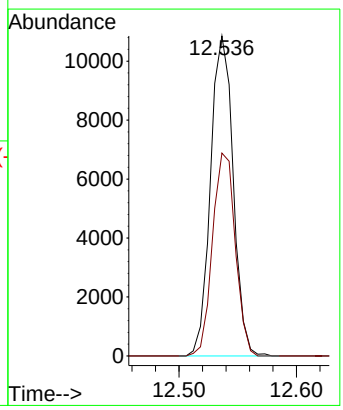
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

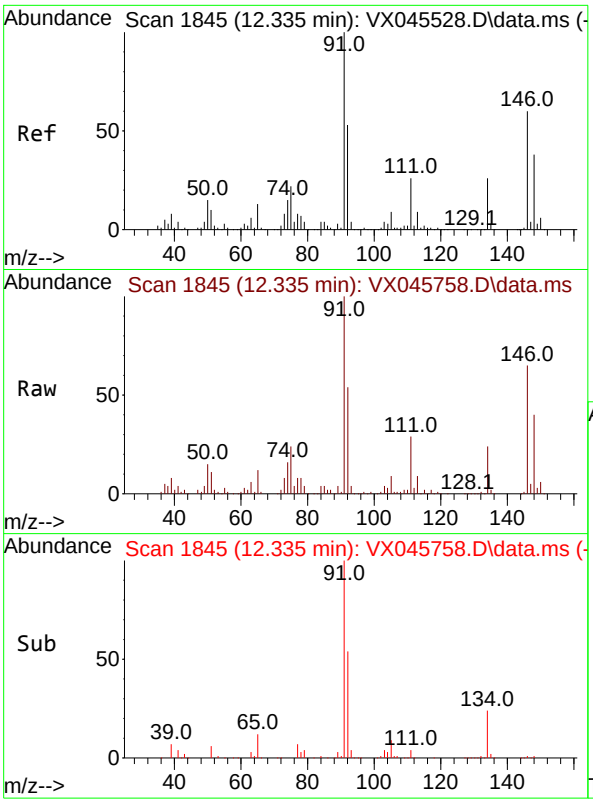


#90
Hexachloroethane
Concen: 19.465 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:117 Resp: 14522

Ion	Ratio	Lower	Upper
117	100		
201	63.8	31.2	93.6

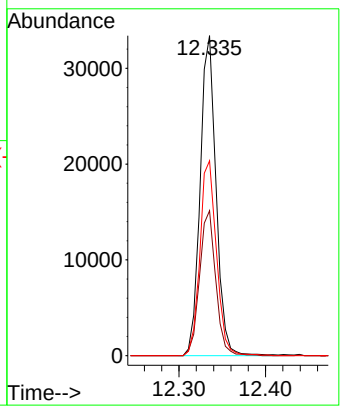




#91
1,2-Dichlorobenzene
Concen: 19.473 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:146 Resp: 4264

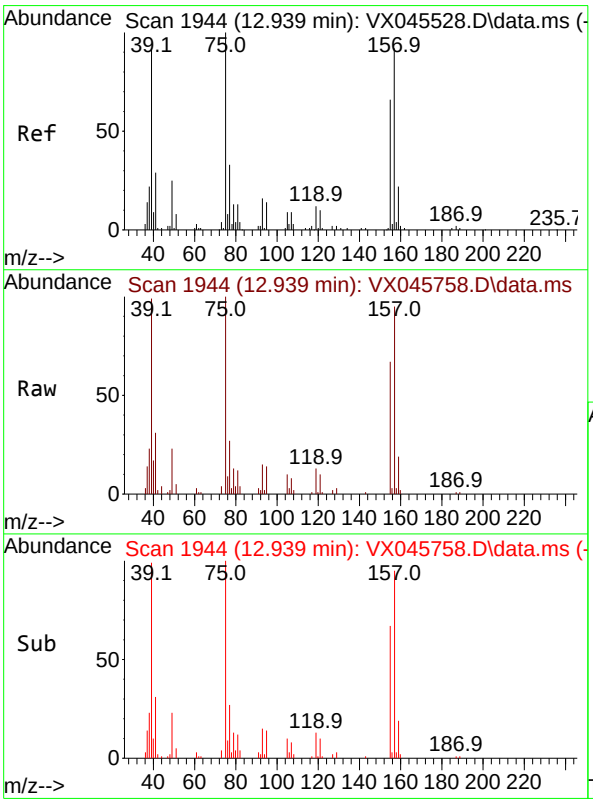
Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.9	68.8
148	63.5	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

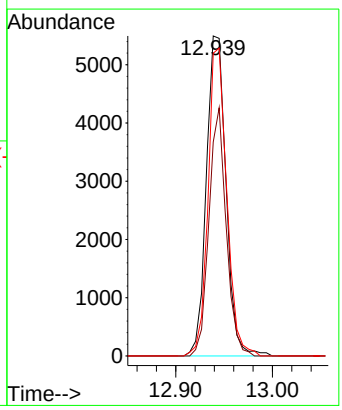
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

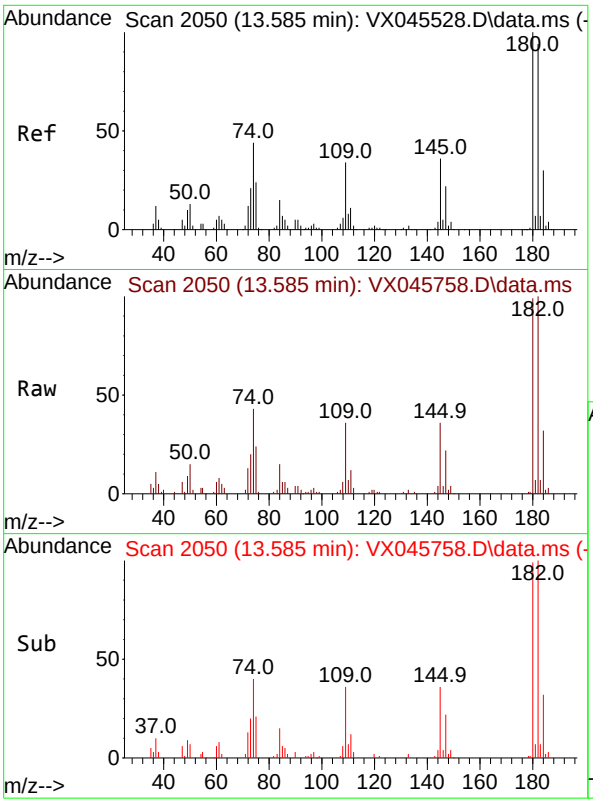


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.204 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion: 75 Resp: 7773

Ion	Ratio	Lower	Upper
75	100		
155	68.1	34.9	104.7
157	91.7	44.9	134.7

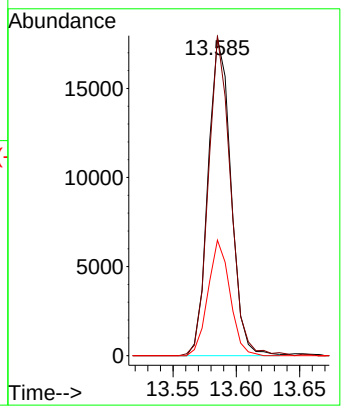




#93
1,2,4-Trichlorobenzene
Concen: 18.343 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:180 Resp: 2235

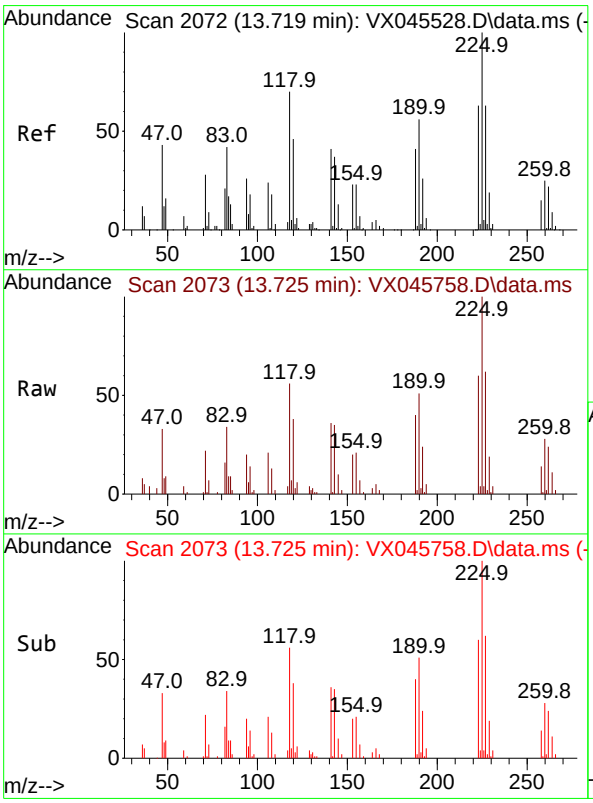
Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.9	143.6
145	34.9	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

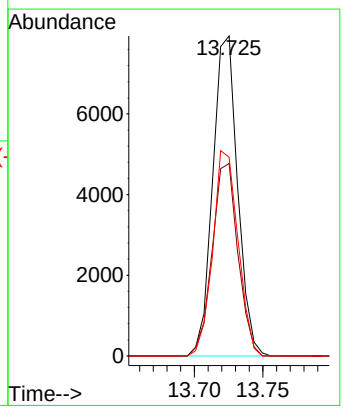
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025

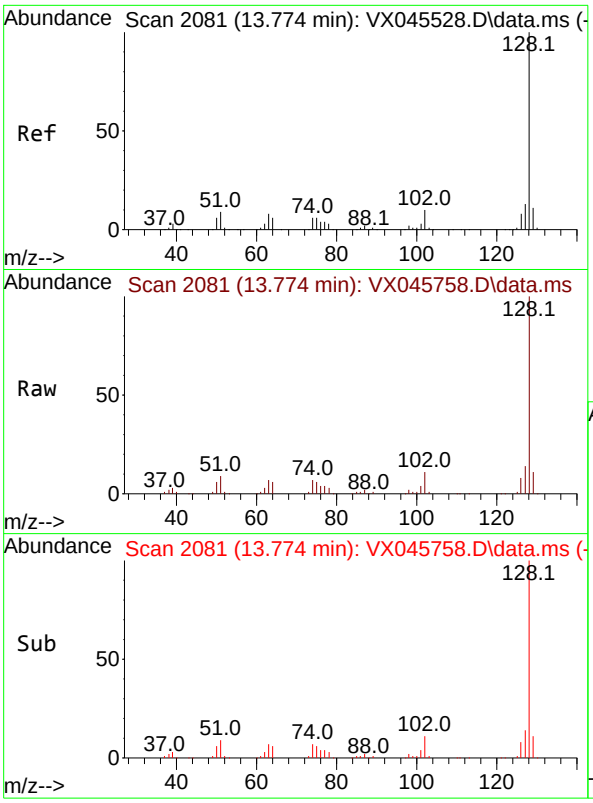


#94
Hexachlorobutadiene
Concen: 19.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:225 Resp: 9996

Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.1	93.3
227	65.1	32.2	96.6

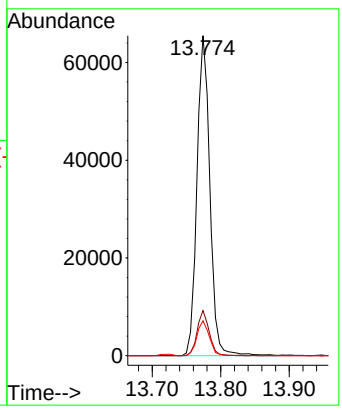




#95
Naphthalene
Concen: 18.952 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:128 Resp: 8596

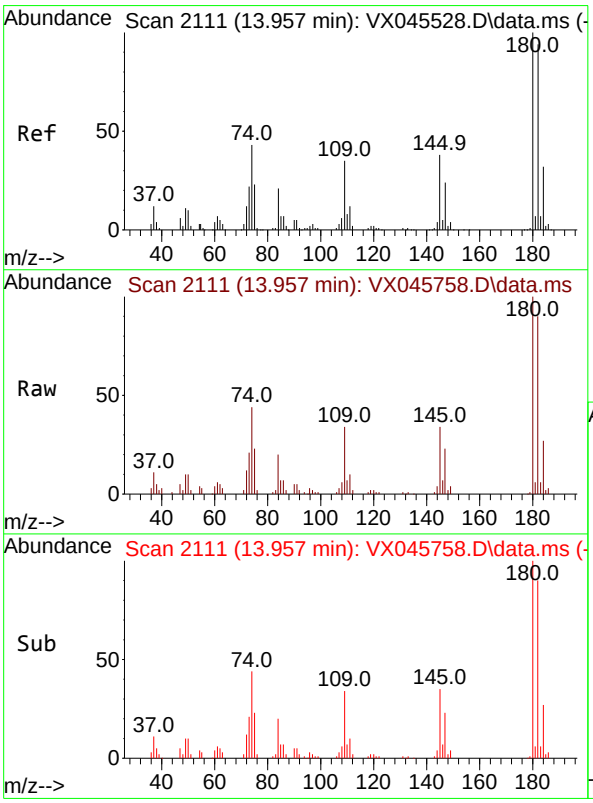
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.5	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0414MBS01

Manual Integrations
APPROVED

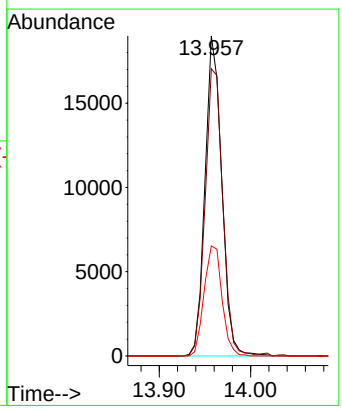
Reviewed By :Amit Patel 04/15/2025
Supervised By :Mahesh Dadoda 04/15/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.882 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045758.D
Acq: 14 Apr 2025 11:04

Tgt Ion:180 Resp: 24099

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.8
145	36.8	18.2	54.6



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VY0415SBS01	SDG No.:	Q1790
Lab Sample ID:	VY0415SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021884.D	1		04/15/25 10:08	VY041525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
79-01-6	Trichloroethene	20.2		0.81	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	51.7		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		38 - 136	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	244000	7.707			
540-36-3	1,4-Difluorobenzene	381000	8.616			
3114-55-4	Chlorobenzene-d5	336000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	176000	13.347			

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\VY041525\
Data File : VY021884.D
Acq On : 15 Apr 2025 10:08
Operator : SY/MD
Sample : VY0415SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 16 03:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	244075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	336196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	176232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	131897	49.876	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.760%			
35) Dibromofluoromethane	7.634	113	127447	51.592	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.180%			
50) Toluene-d8	10.109	98	485868	51.700	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.400%			
62) 4-Bromofluorobenzene	12.408	95	169326	53.268	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	44600	17.630	ug/l	97
3) Chloromethane	2.062	50	62941	17.694	ug/l	99
4) Vinyl Chloride	2.202	62	68053	16.916	ug/l	99
5) Bromomethane	2.592	94	57348	20.901	ug/l	97
6) Chloroethane	2.733	64	47345	17.985	ug/l	99
7) Trichlorofluoromethane	3.050	101	97582	18.936	ug/l	95
8) Diethyl Ether	3.452	74	27047	19.299	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	51918	19.102	ug/l	99
10) Methyl Iodide	4.001	142	53668	17.999	ug/l	98
11) Tert butyl alcohol	4.891	59	15233	88.685	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	48717	19.029	ug/l	98
13) Acrolein	3.653	56	12336	39.332	ug/l	94
14) Allyl chloride	4.385	41	74844	18.336	ug/l	99
15) Acrylonitrile	5.055	53	55072	94.116	ug/l	98
16) Acetone	3.873	43	46651	86.196	ug/l	97
17) Carbon Disulfide	4.104	76	142374	16.884	ug/l	98
18) Methyl Acetate	4.385	43	25596	19.082	ug/l	95
19) Methyl tert-butyl Ether	5.110	73	122149	19.164	ug/l	99
20) Methylene Chloride	4.610	84	56102	18.768	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	53419	18.951	ug/l	99
22) Diisopropyl ether	6.019	45	164179	19.174	ug/l	99
23) Vinyl Acetate	5.964	43	454085	90.650	ug/l	98
24) 1,1-Dichloroethane	5.909	63	97028	18.950	ug/l	99
25) 2-Butanone	6.897	43	70283	90.919	ug/l	98
26) 2,2-Dichloropropane	6.884	77	87922	19.305	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	62014	19.563	ug/l	96
28) Bromochloromethane	7.244	49	40717	18.856	ug/l	93
29) Tetrahydrofuran	7.262	42	43606	87.648	ug/l	96
30) Chloroform	7.421	83	104451	19.614	ug/l	99
31) Cyclohexane	7.701	56	81042	17.364	ug/l #	85
32) 1,1,1-Trichloroethane	7.616	97	92382	19.194	ug/l	99
36) 1,1-Dichloropropene	7.835	75	70929	18.851	ug/l	98
37) Ethyl Acetate	6.988	43	31983	18.011	ug/l	98
38) Carbon Tetrachloride	7.817	117	83697	19.421	ug/l	97
39) Methylcyclohexane	9.110	83	83636	18.607	ug/l	99
40) Benzene	8.079	78	218445	19.386	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021884.D
Acq On : 15 Apr 2025 10:08
Operator : SY/MD
Sample : VY0415SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 16 03:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	17862	18.941	ug/l	#	100
42) 1,2-Dichloroethane	8.159	62	61004	19.204	ug/l		98
43) Isopropyl Acetate	8.195	43	62326	18.521	ug/l		98
44) Trichloroethene	8.866	130	58117	20.242	ug/l		96
45) 1,2-Dichloropropane	9.140	63	52070	19.522	ug/l		99
46) Dibromomethane	9.231	93	30377	19.761	ug/l		98
47) Bromodichloromethane	9.420	83	78826	19.790	ug/l		99
48) Methyl methacrylate	9.219	41	28377	18.373	ug/l		97
49) 1,4-Dioxane	9.238	88	6167	374.498	ug/l		93
51) 4-Methyl-2-Pentanone	10.000	43	164397	93.875	ug/l		100
52) Toluene	10.170	92	139771	19.881	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	69372	19.608	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	80810	19.361	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	40505	20.476	ug/l		96
56) Ethyl methacrylate	10.439	69	49093	19.436	ug/l		97
57) 1,3-Dichloropropane	10.719	76	67895	19.873	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	125045	101.478	ug/l		98
59) 2-Hexanone	10.762	43	107616	92.272	ug/l		100
60) Dibromochloromethane	10.914	129	53020	19.631	ug/l		97
61) 1,2-Dibromoethane	11.018	107	37677	20.303	ug/l		99
64) Tetrachloroethene	10.646	164	66318	21.659	ug/l		98
65) Chlorobenzene	11.445	112	151834	19.702	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	55337	20.238	ug/l		99
67) Ethyl Benzene	11.518	91	256839	19.435	ug/l		98
68) m/p-Xylenes	11.627	106	199787	39.480	ug/l		99
69) o-Xylene	11.957	106	92800	19.866	ug/l		98
70) Styrene	11.969	104	155340	19.945	ug/l		99
71) Bromoform	12.133	173	32113	20.589	ug/l	#	100
73) Isopropylbenzene	12.255	105	248039	18.950	ug/l		99
74) N-amyl acetate	12.072	43	53504	17.417	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	41649	17.698	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	33192m	19.000	ug/l		
77) Bromobenzene	12.530	156	61114	19.446	ug/l		97
78) n-propylbenzene	12.597	91	301255	19.144	ug/l		100
79) 2-Chlorotoluene	12.682	91	172737	18.899	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	202462	18.925	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	13547	17.868	ug/l		98
82) 4-Chlorotoluene	12.780	91	181990	19.099	ug/l		99
83) tert-Butylbenzene	12.999	119	178452	18.728	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	204868	19.376	ug/l		100
85) sec-Butylbenzene	13.176	105	267256	19.192	ug/l		100
86) p-Isopropyltoluene	13.292	119	222619	19.343	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	119598	19.315	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	119367	19.512	ug/l		98
89) n-Butylbenzene	13.621	91	202637	19.038	ug/l		100
90) Hexachloroethane	13.883	117	47131	18.687	ug/l		97
91) 1,2-Dichlorobenzene	13.664	146	106944	19.841	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6800	18.643	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	60426	20.673	ug/l		99
94) Hexachlorobutadiene	15.023	225	37820	20.718	ug/l		98
95) Naphthalene	15.145	128	95586	19.729	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	50428	20.231	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021884.D
Acq On : 15 Apr 2025 10:08
Operator : SY/MD
Sample : VY0415SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 16 03:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

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

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

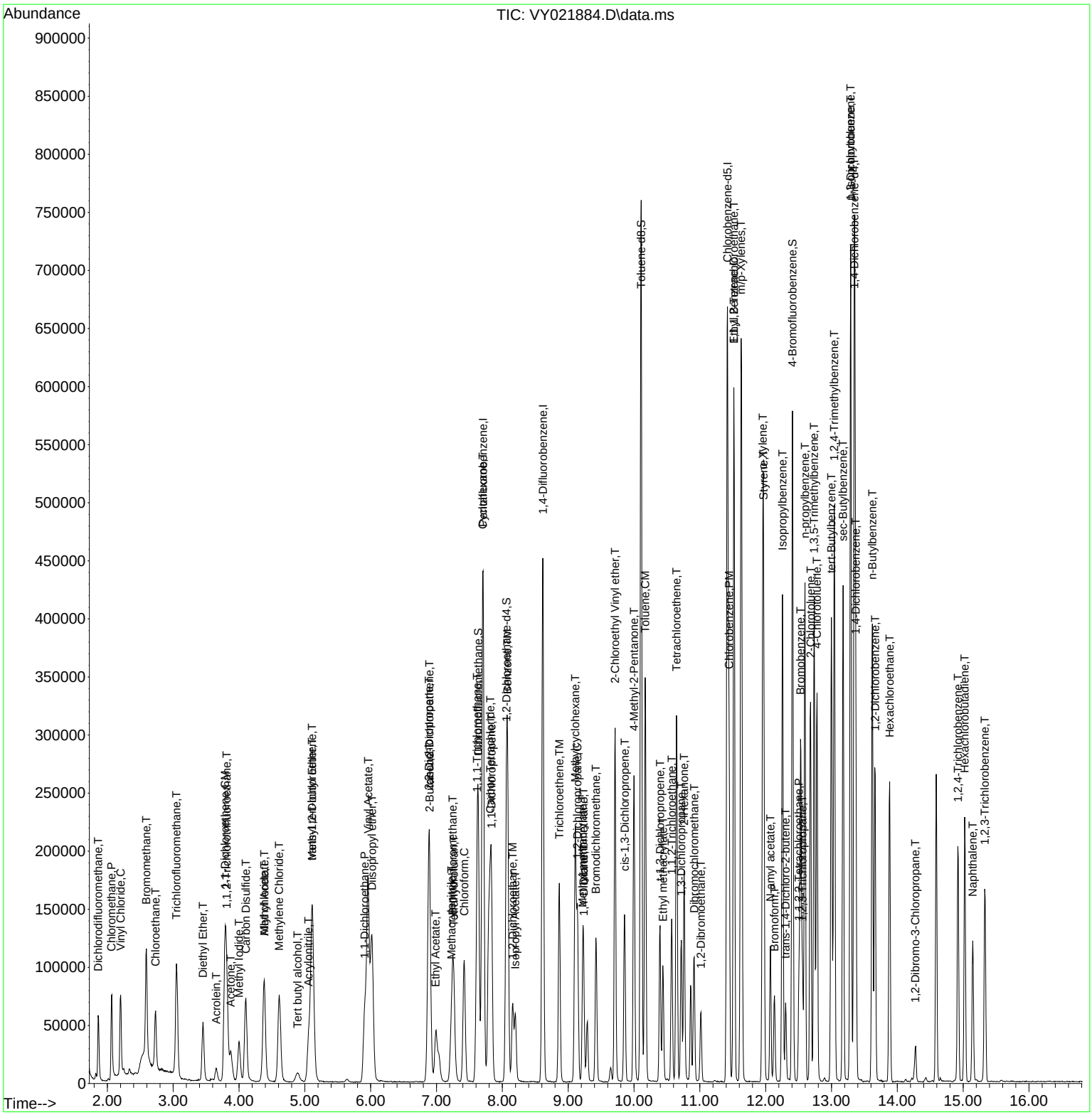
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Sample : VY0415SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

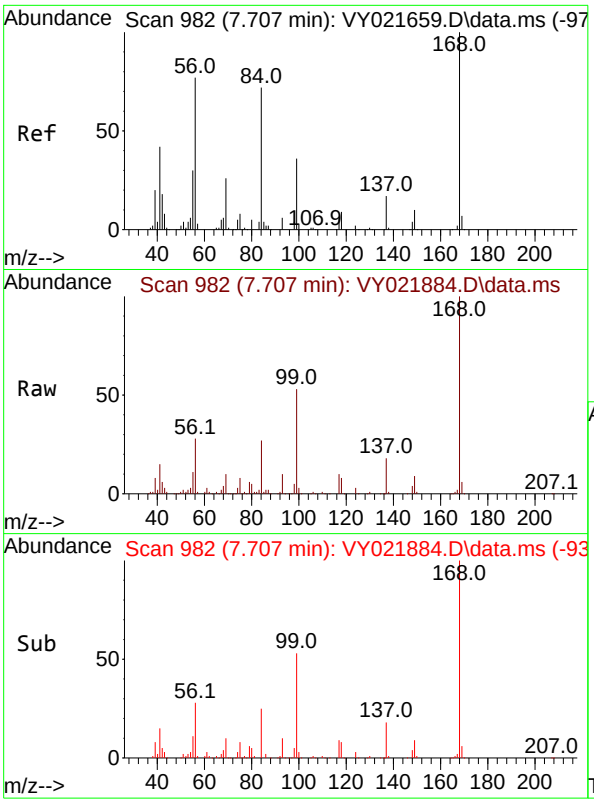
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QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
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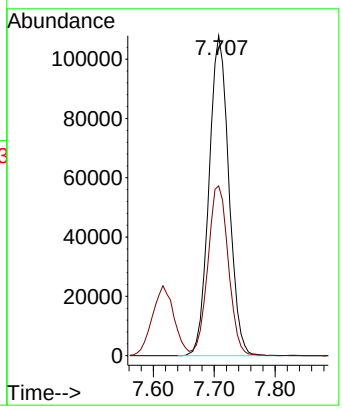




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:168 Resp: 24407

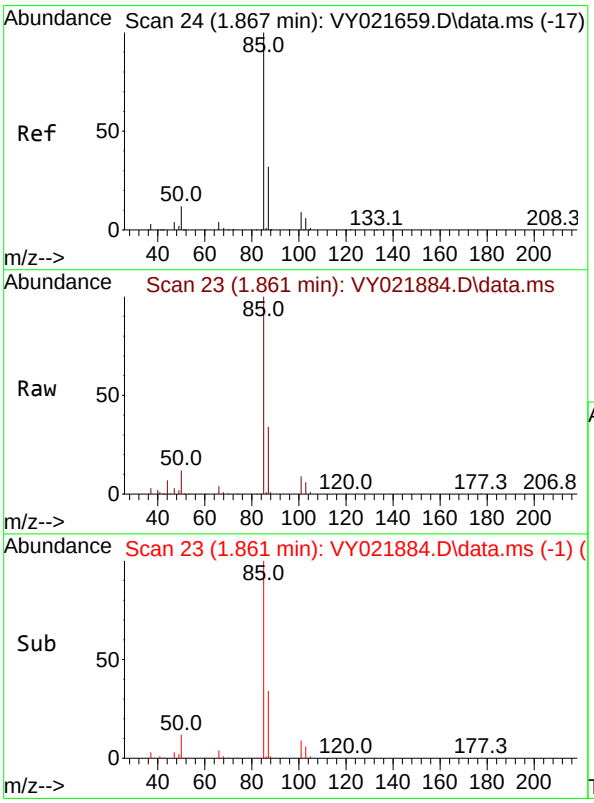
Ion	Ratio	Lower	Upper
168	100		
99	53.0	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

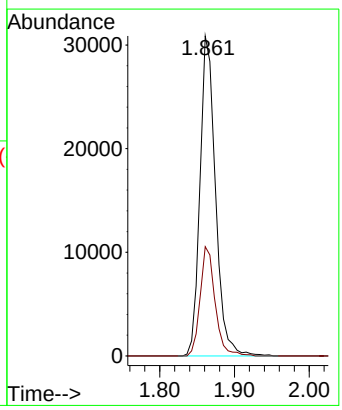
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

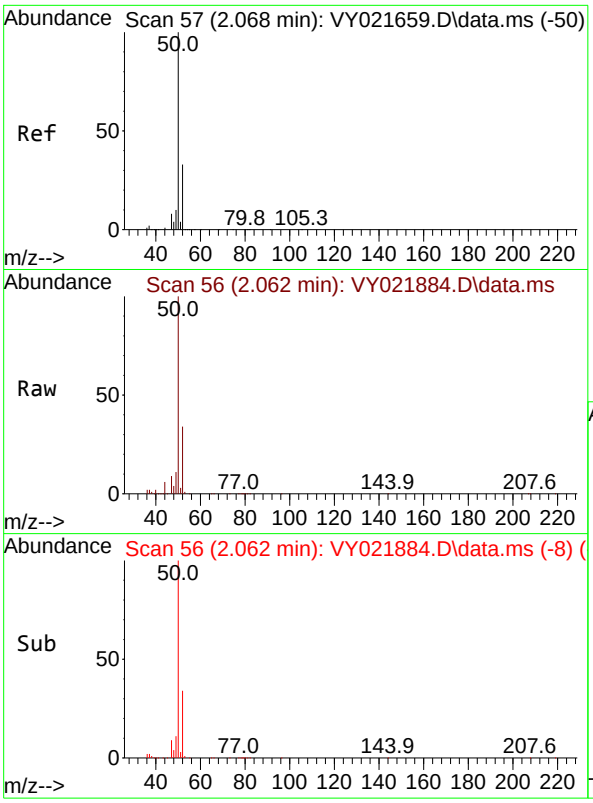


#2
Dichlorodifluoromethane
Concen: 17.630 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 85 Resp: 44600

Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.2	48.6

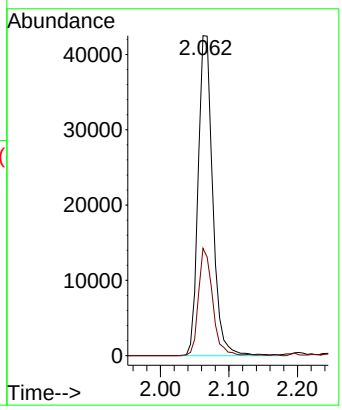




#3
Chloromethane
Concen: 17.694 ug/l
RT: 2.062 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 50 Resp: 6294

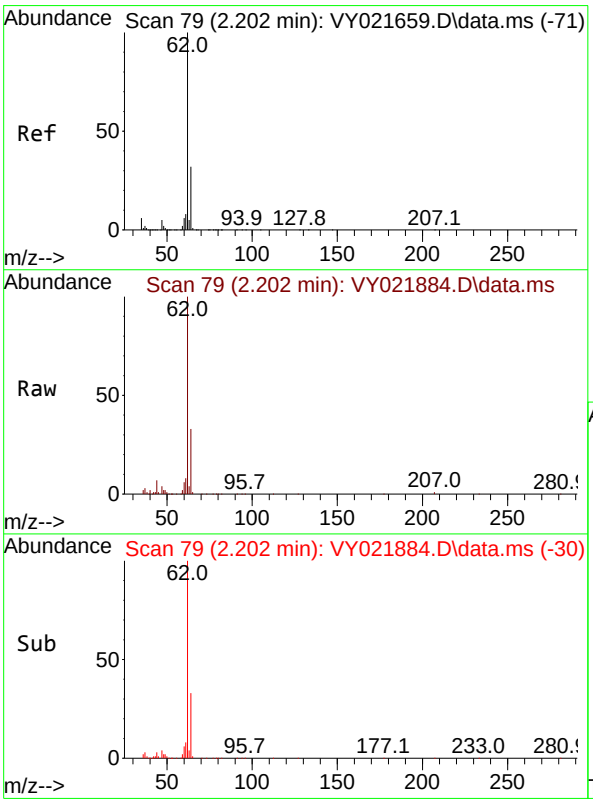
Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

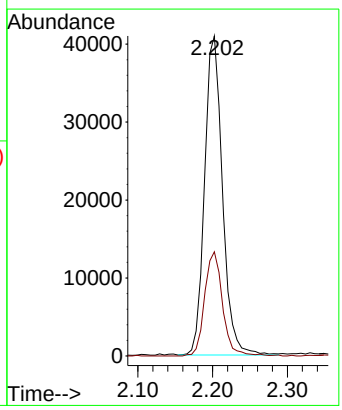
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

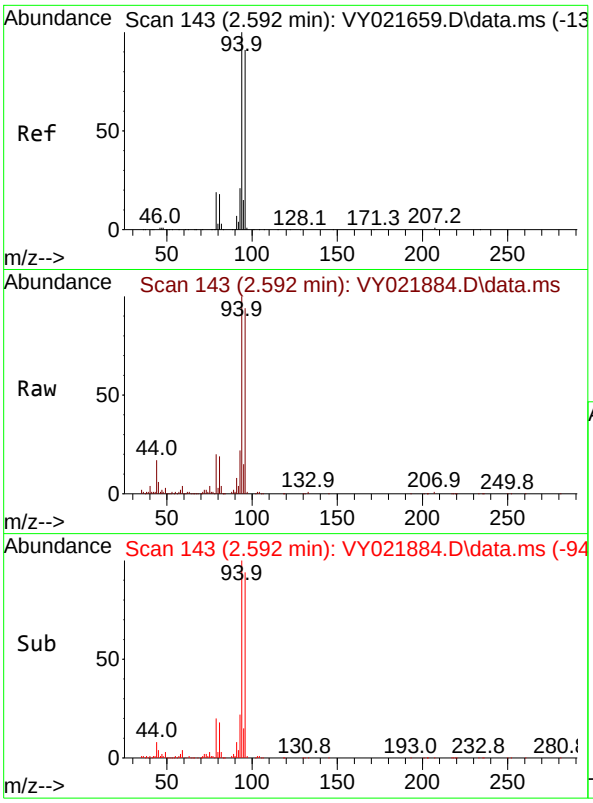


#4
Vinyl Chloride
Concen: 16.916 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 62 Resp: 68053

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.5	38.3





#5
Bromomethane
Concen: 20.901 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

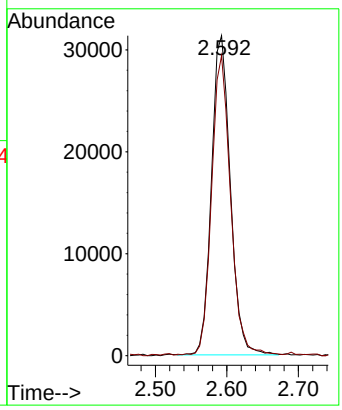
Tgt Ion: 94 Resp: 5734

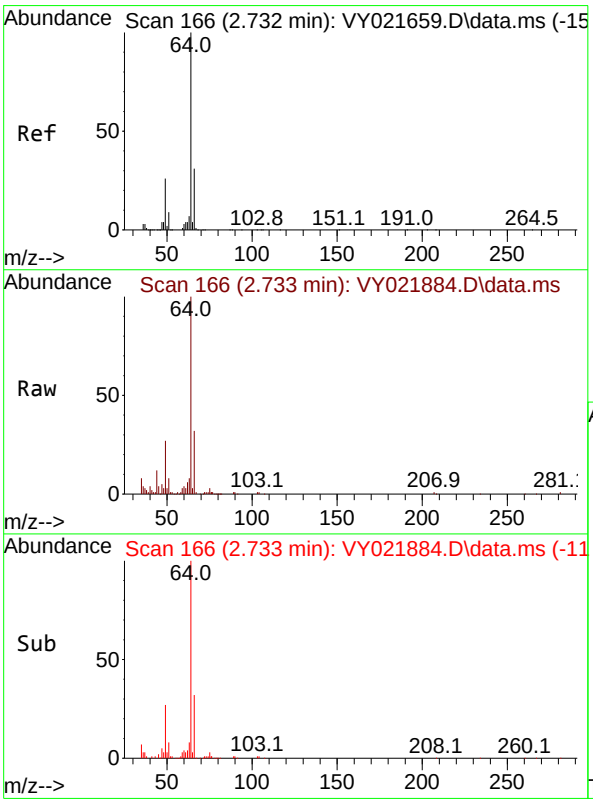
Ion	Ratio	Lower	Upper
94	100		
96	93.6	72.8	109.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

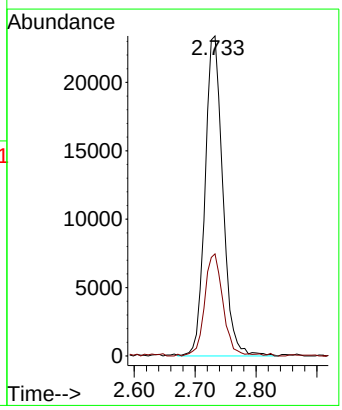


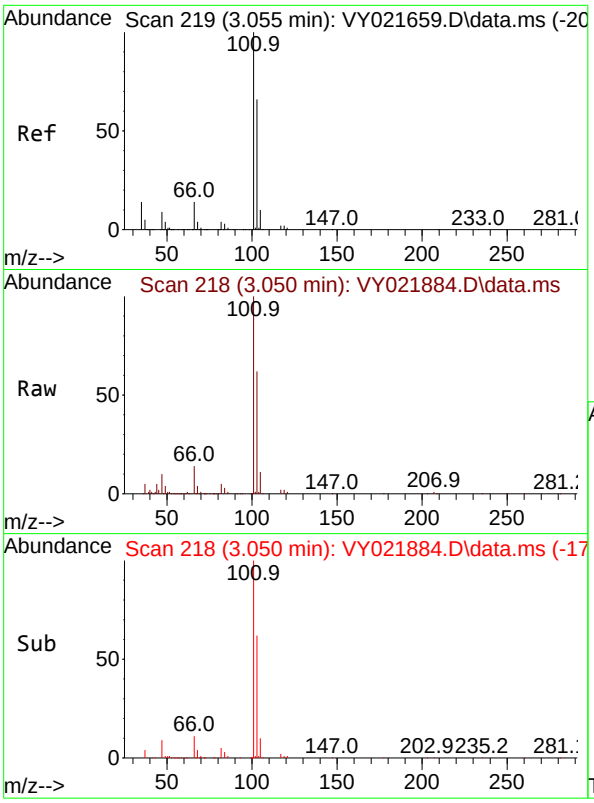


#6
Chloroethane
Concen: 17.985 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 64 Resp: 47345

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.9	37.3

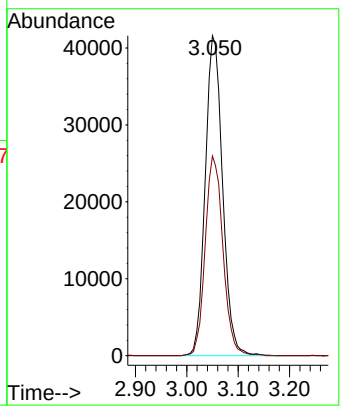




#7
Trichlorofluoromethane
Concen: 18.936 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:101 Resp: 9758

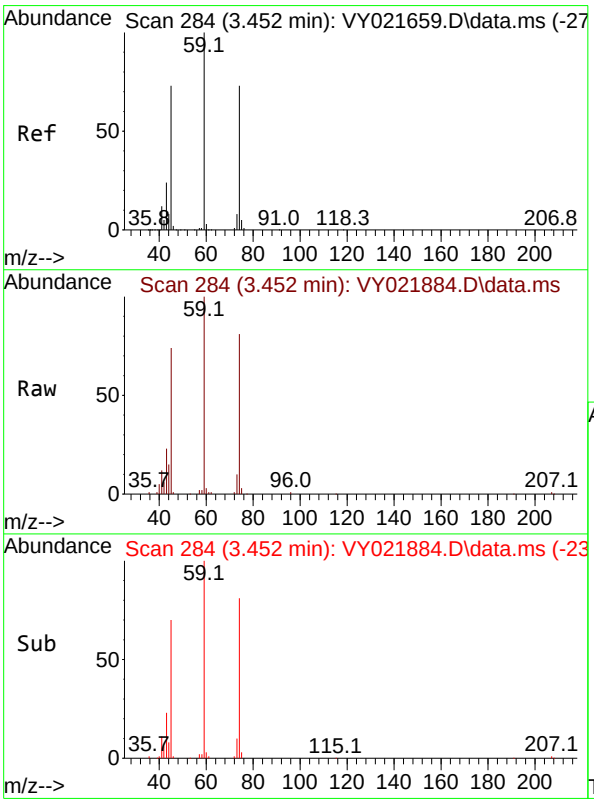
Ion	Ratio	Lower	Upper
101	100		
103	62.4	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

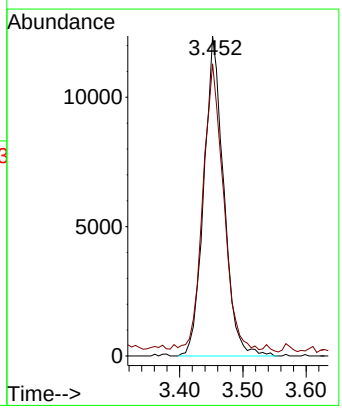
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

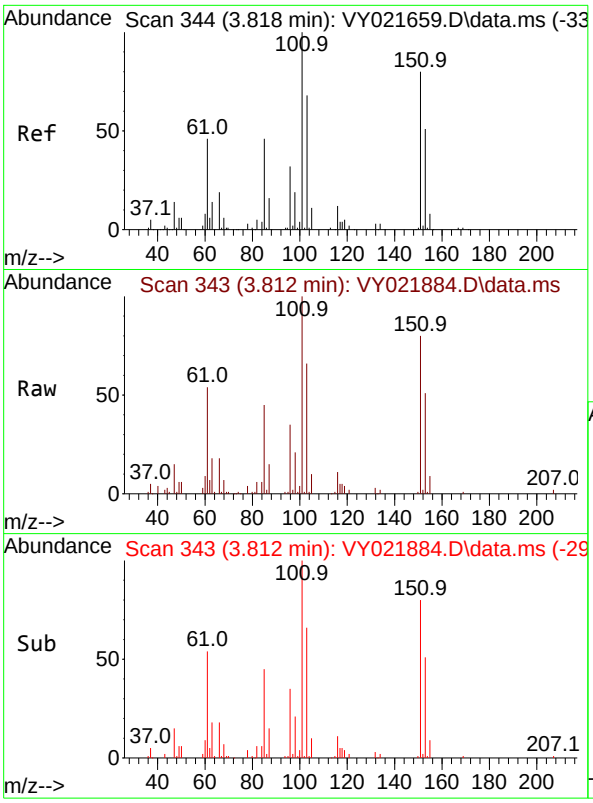


#8
Diethyl Ether
Concen: 19.299 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 74 Resp: 27047

Ion	Ratio	Lower	Upper
74	100		
45	92.1	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.102 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

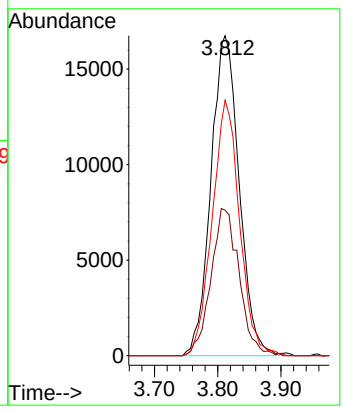
Tgt Ion:101 Resp: 5191

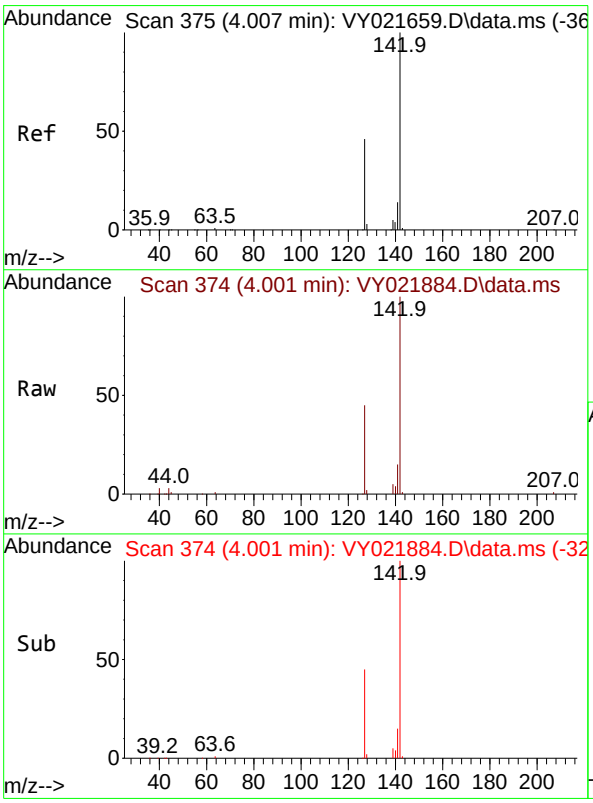
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.3	54.5
151	77.3	61.3	91.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

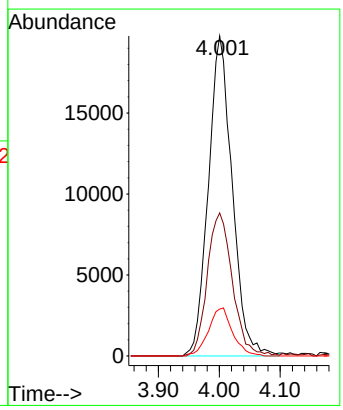


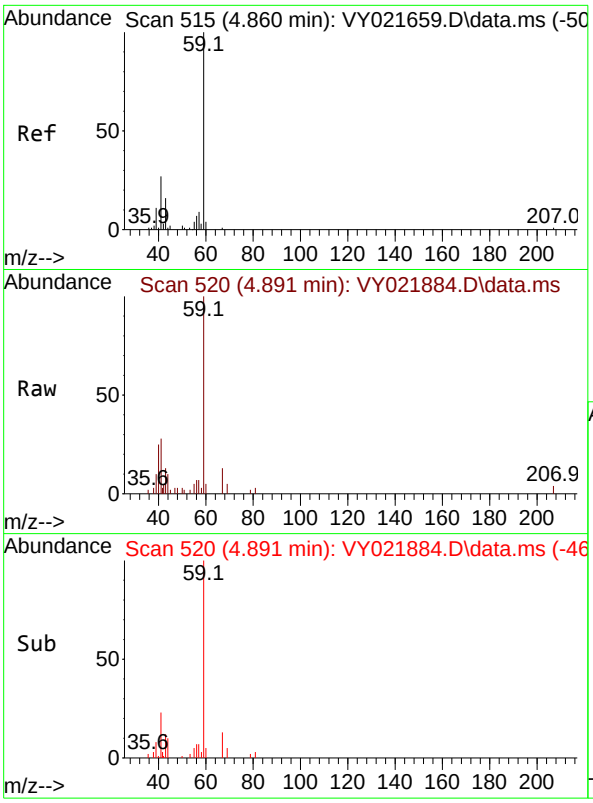


#10
Methyl Iodide
Concen: 17.999 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:142 Resp: 53668

Ion	Ratio	Lower	Upper
142	100		
127	47.0	38.7	58.1
141	15.1	11.5	17.3

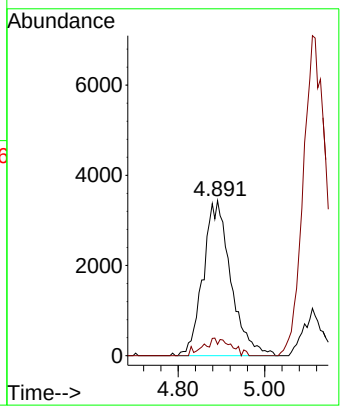




#11
Tert butyl alcohol
Concen: 88.685 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.031 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 59 Resp: 1523

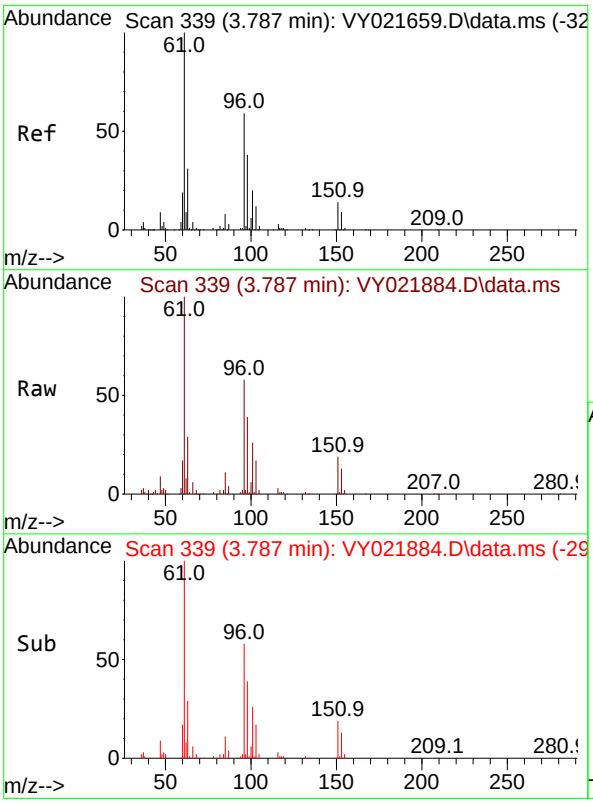
Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.2	13.8#



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

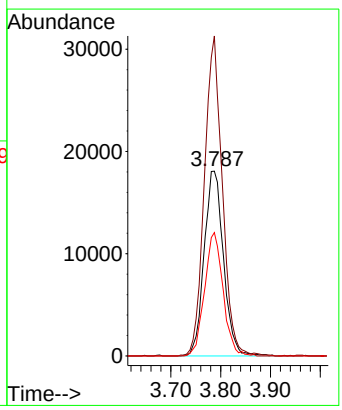
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

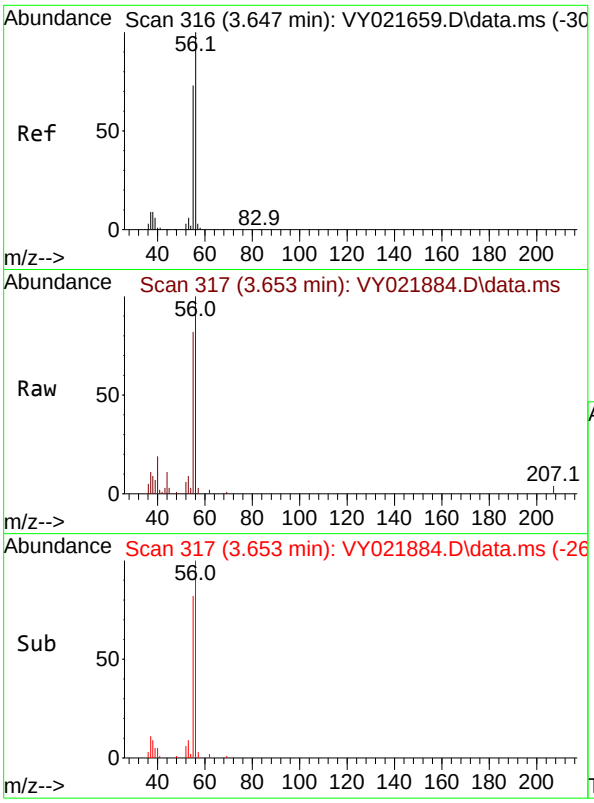


#12
1,1-Dichloroethene
Concen: 19.029 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 96 Resp: 48717

Ion	Ratio	Lower	Upper
96	100		
61	173.1	136.6	204.8
98	66.7	52.3	78.5

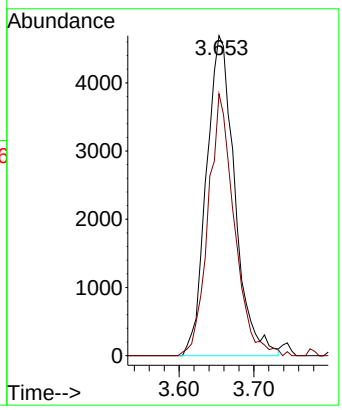




#13
Acrolein
Concen: 39.332 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 56 Resp: 1233

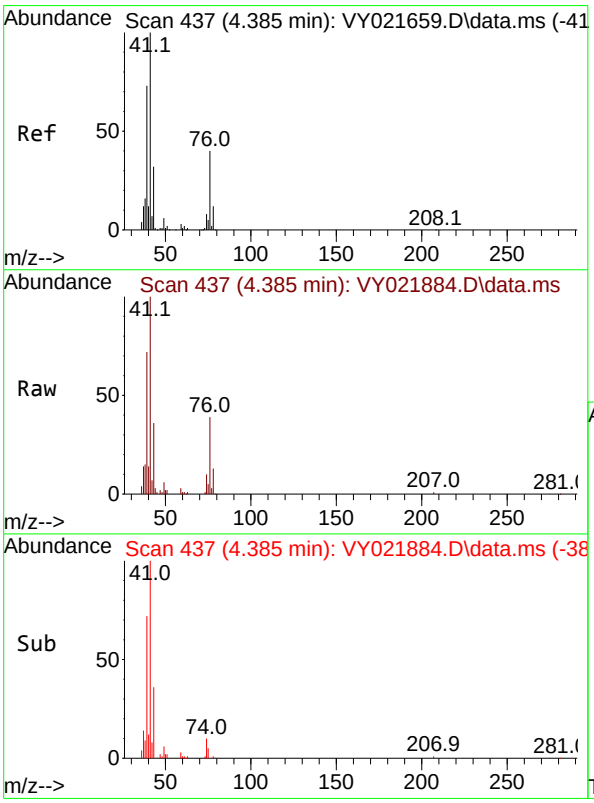
Ion	Ratio	Lower	Upper
56	100		
55	75.6	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

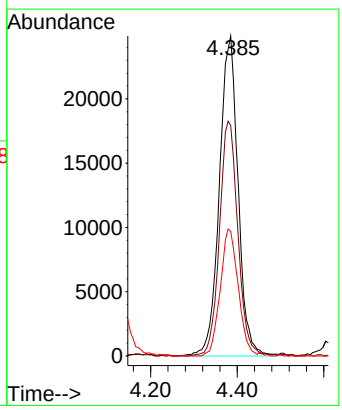
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

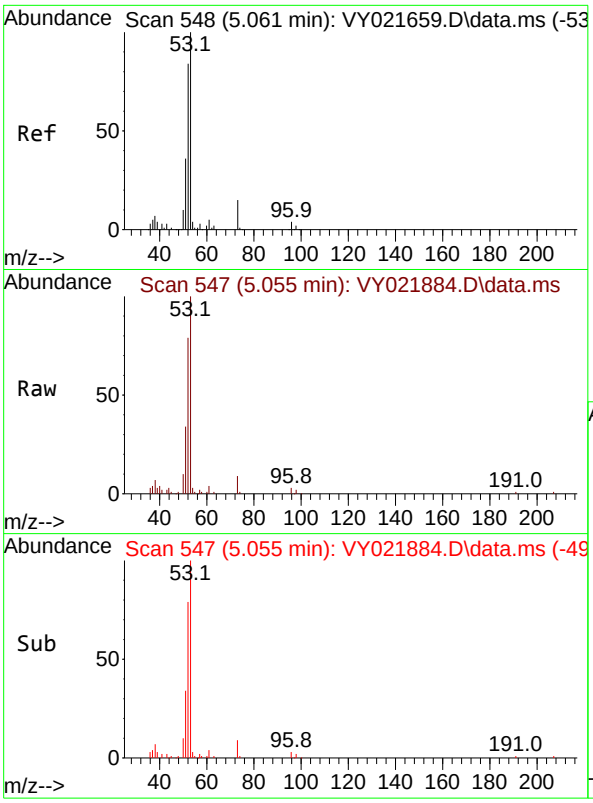


#14
Allyl chloride
Concen: 18.336 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 41 Resp: 74844

Ion	Ratio	Lower	Upper
41	100		
39	72.1	58.6	88.0
76	37.9	30.3	45.5





#15
Acrylonitrile
Concen: 94.116 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

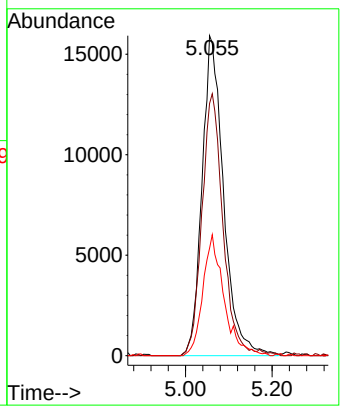
Tgt Ion: 53 Resp: 5507

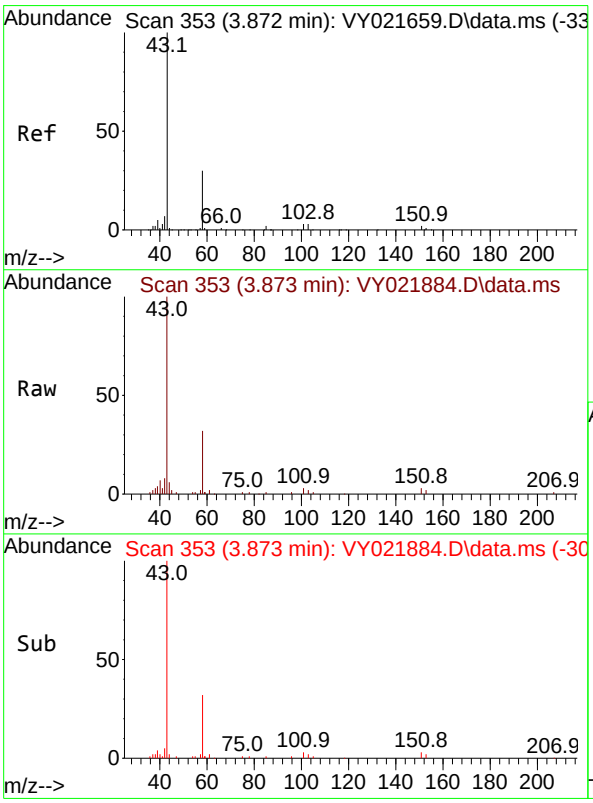
Ion	Ratio	Lower	Upper
53	100		
52	79.3	64.9	97.3
51	37.0	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

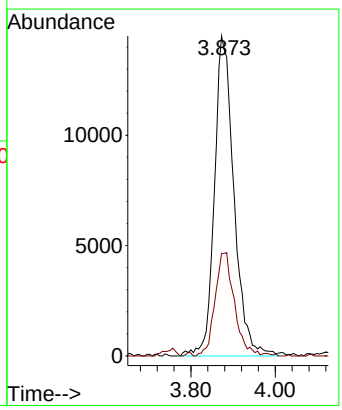


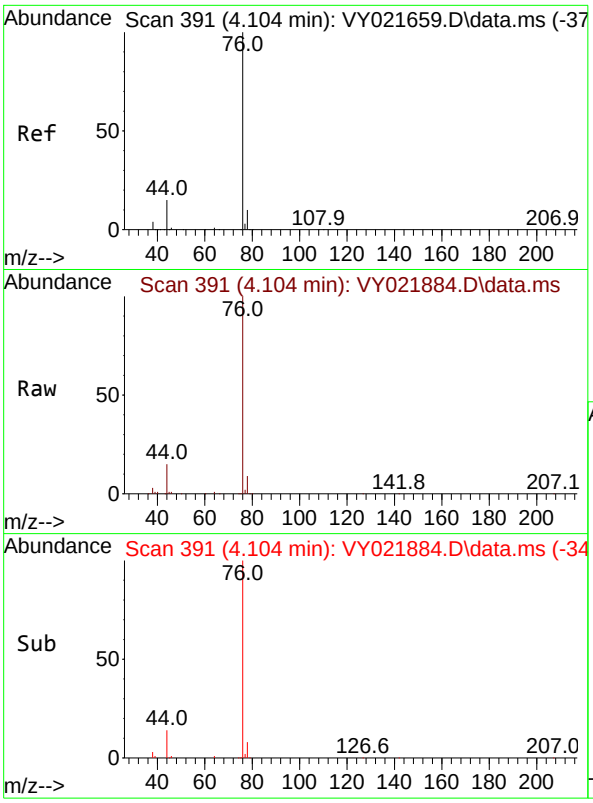


#16
Acetone
Concen: 86.196 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 43 Resp: 46651

Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.2	36.4

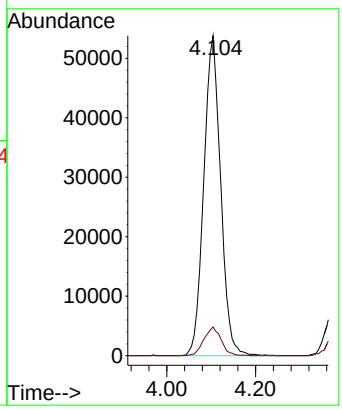




#17
Carbon Disulfide
Concen: 16.884 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 76 Resp: 14237

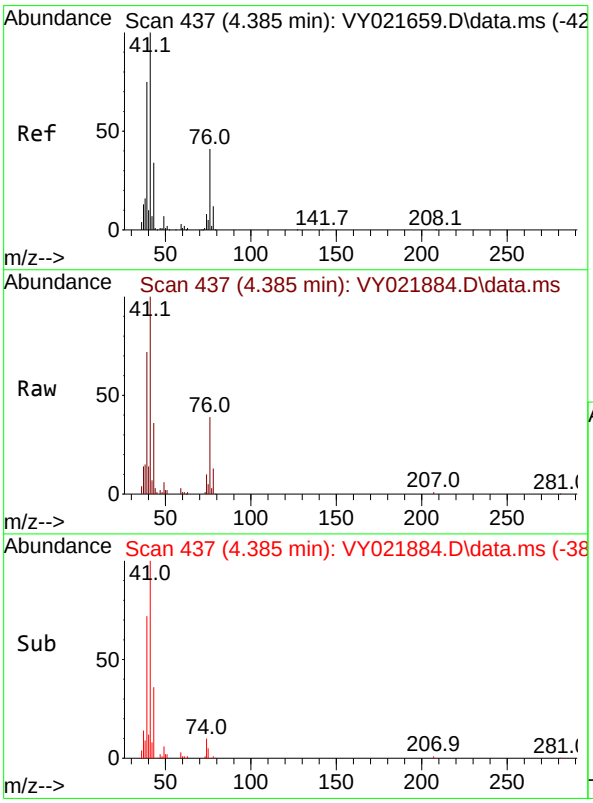
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

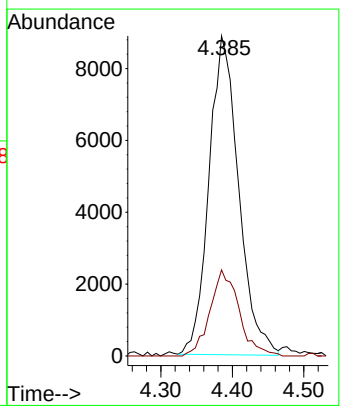
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

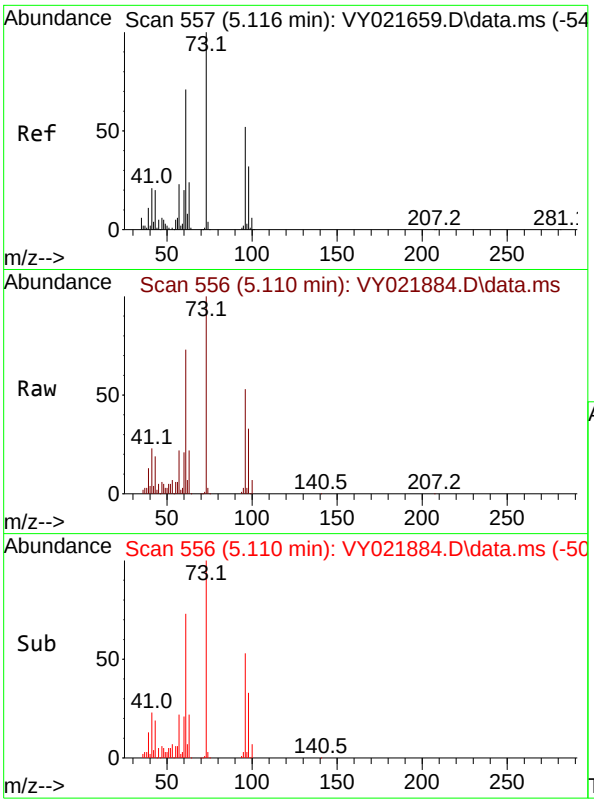


#18
Methyl Acetate
Concen: 19.082 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 43 Resp: 25596

Ion	Ratio	Lower	Upper
43	100		
74	26.4	19.1	28.7

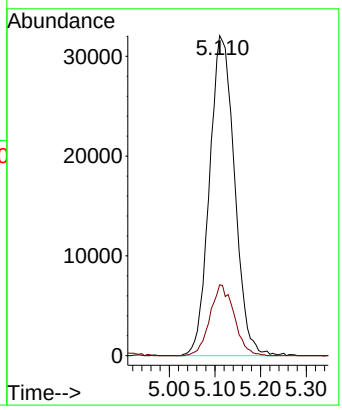




#19
Methyl tert-butyl Ether
Concen: 19.164 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 73 Resp: 12214

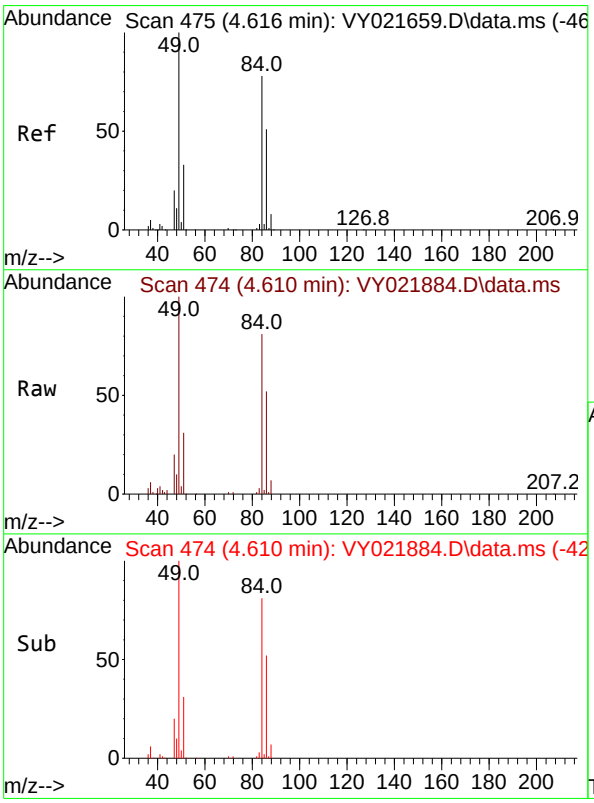
Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

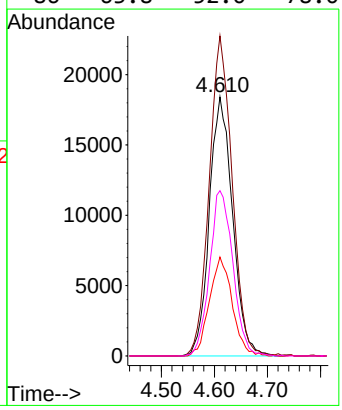
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

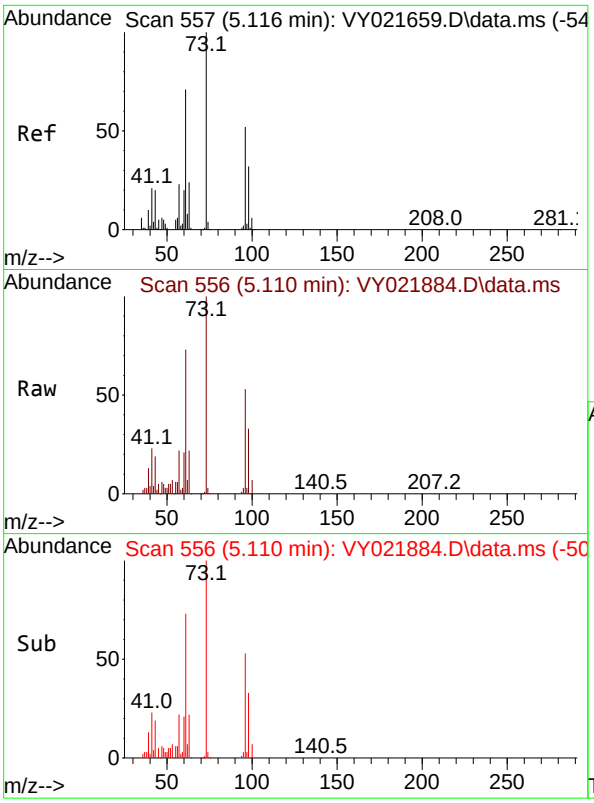


#20
Methylene Chloride
Concen: 18.768 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 84 Resp: 56102

Ion	Ratio	Lower	Upper
84	100		
49	123.5	102.8	154.2
51	38.1	33.5	50.3
86	63.8	52.0	78.0

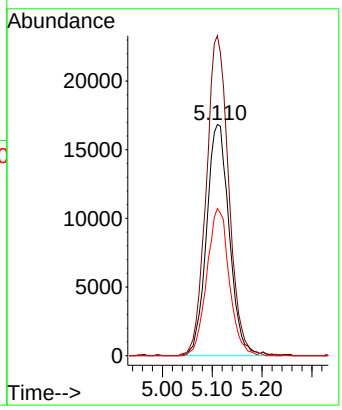




#21
trans-1,2-Dichloroethene
Concen: 18.951 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 96 Resp: 5341

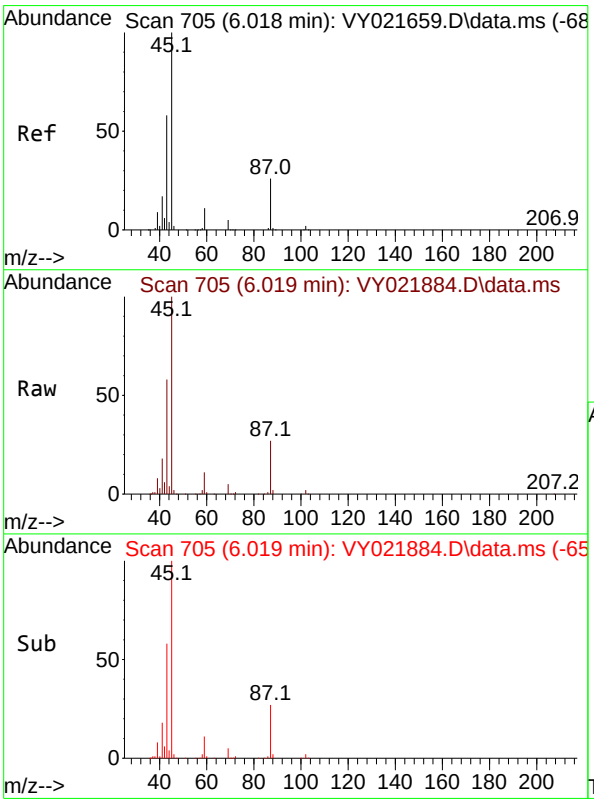
Ion	Ratio	Lower	Upper
96	100		
61	138.4	109.4	164.0
98	63.6	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

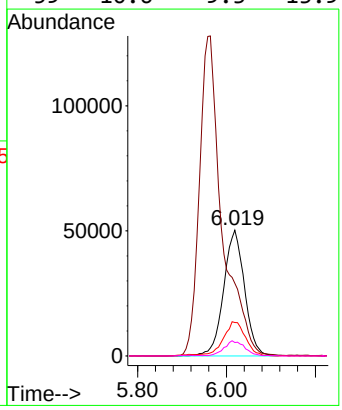
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

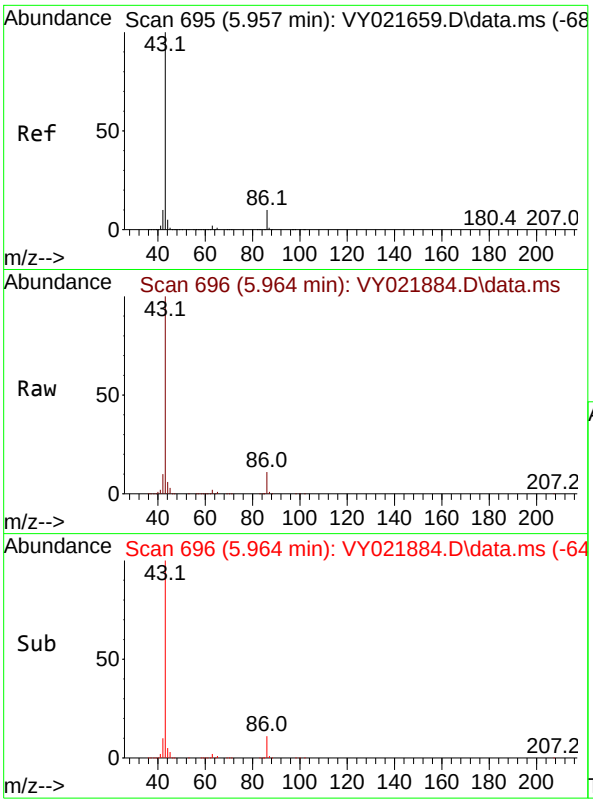


#22
Diisopropyl ether
Concen: 19.174 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 45 Resp: 164179

Ion	Ratio	Lower	Upper
45	100		
43	57.4	46.6	69.8
87	26.5	20.7	31.1
59	10.6	9.3	13.9

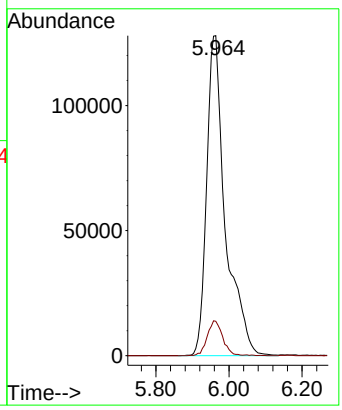




#23
Vinyl Acetate
Concen: 90.650 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 43 Resp: 45408

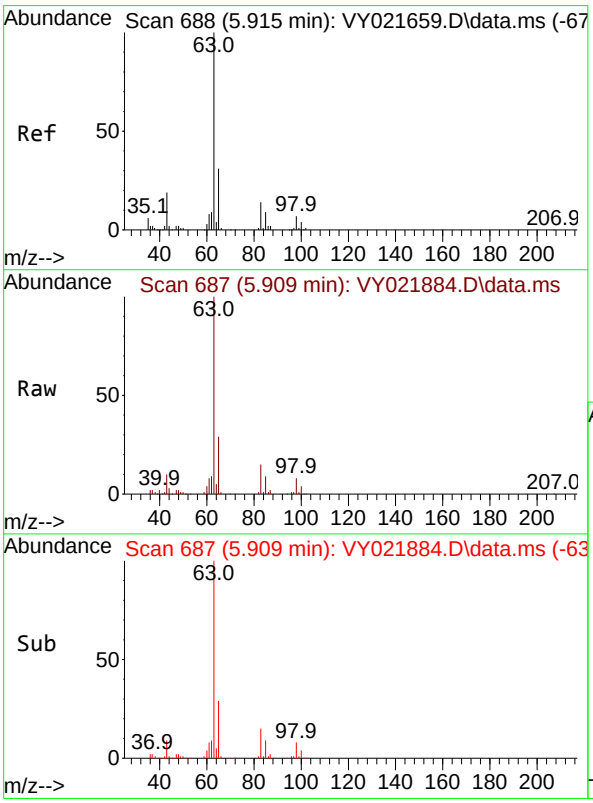
Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

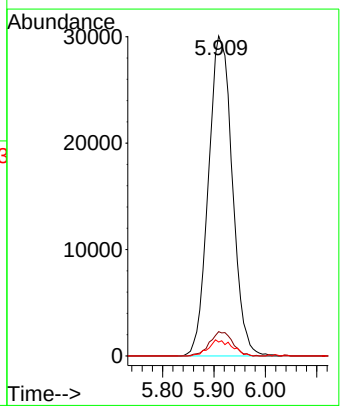
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

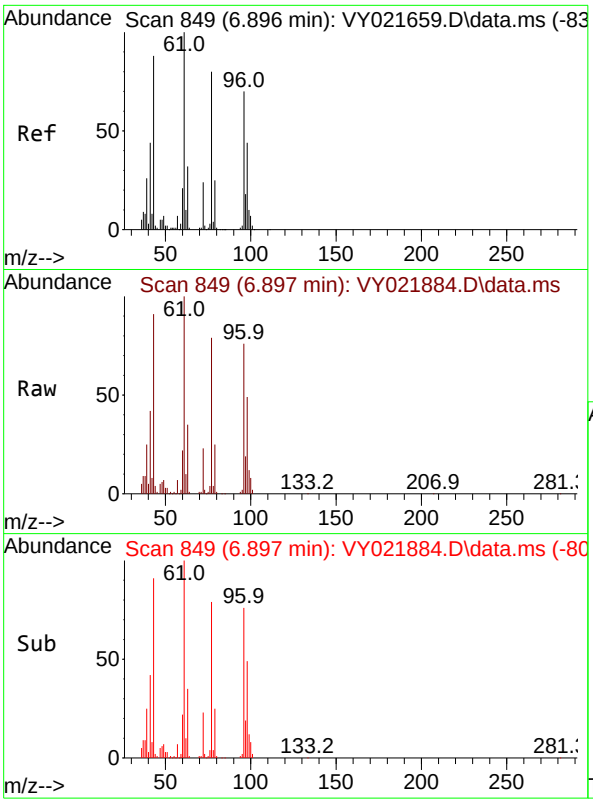


#24
1,1-Dichloroethane
Concen: 18.950 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 63 Resp: 97028

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.5
100	4.3	2.2	6.6





#25
2-Butanone
Concen: 90.919 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

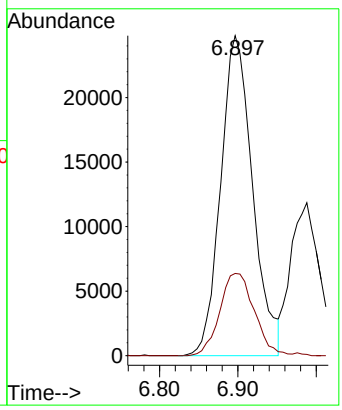
Tgt Ion: 43 Resp: 7028

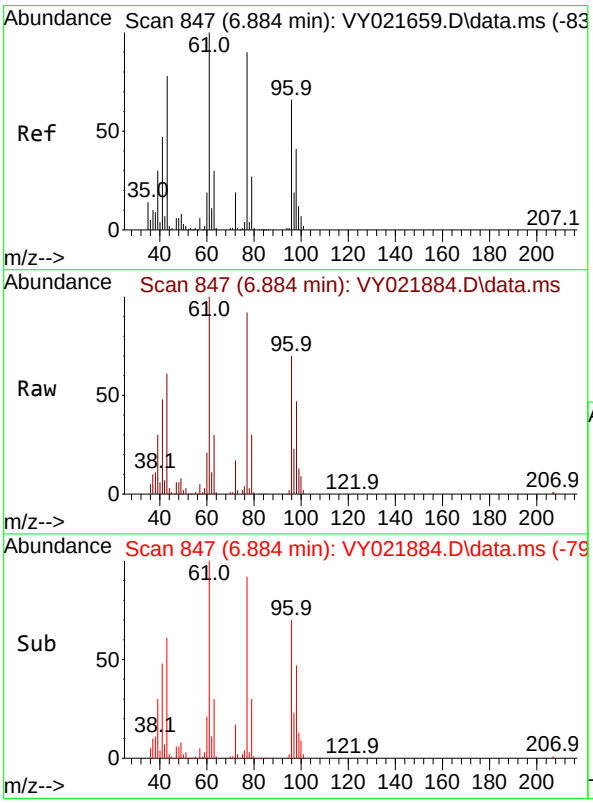
Ion	Ratio	Lower	Upper
43	100		
72	25.7	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

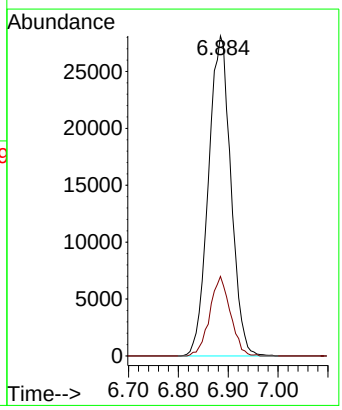


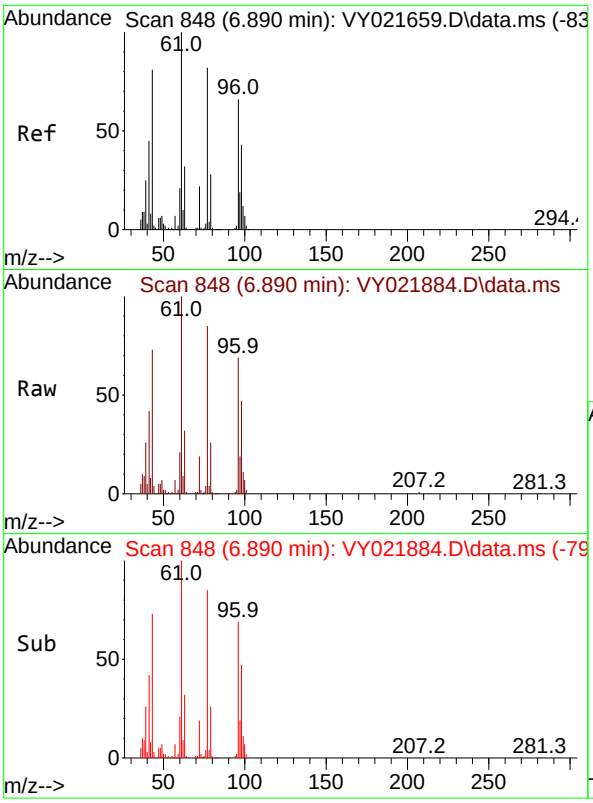


#26
2,2-Dichloropropane
Concen: 19.305 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 77 Resp: 87922

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 19.563 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

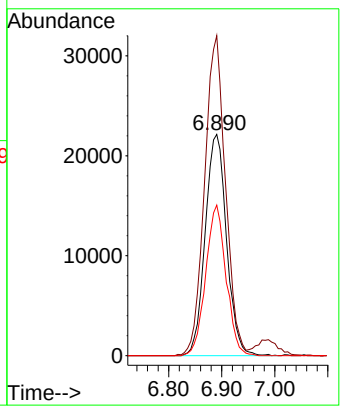
Tgt Ion: 96 Resp: 6201

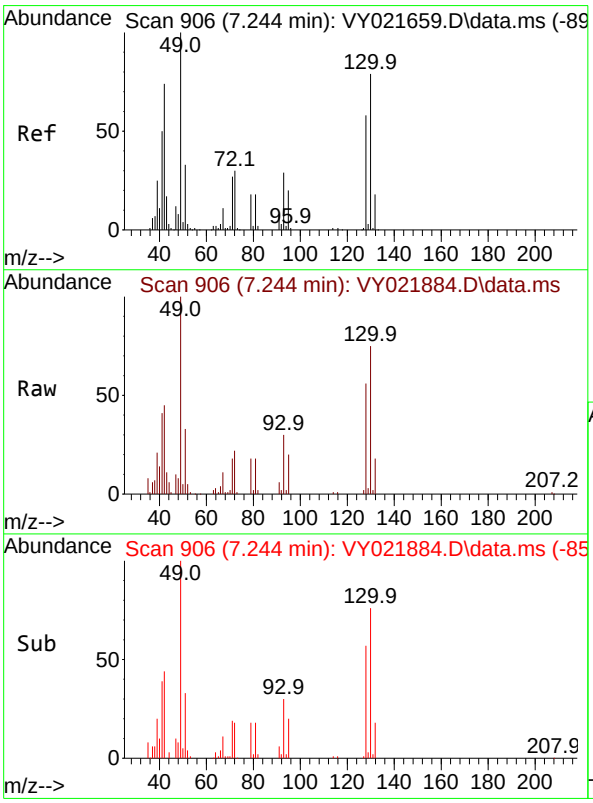
Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	296.4
98	64.8	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

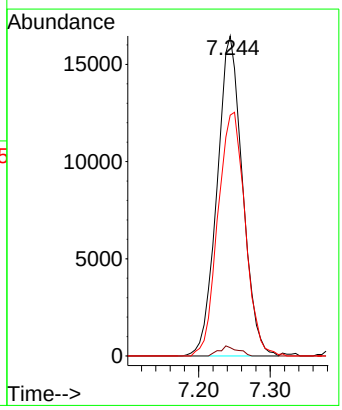


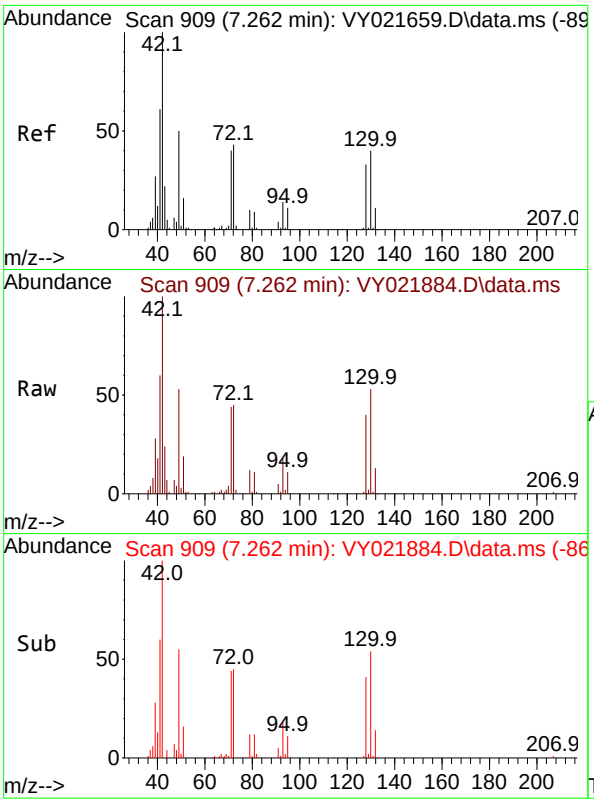


#28
Bromochloromethane
Concen: 18.856 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 49 Resp: 40717

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	81.4	60.1	90.1





#29
Tetrahydrofuran
Concen: 87.648 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

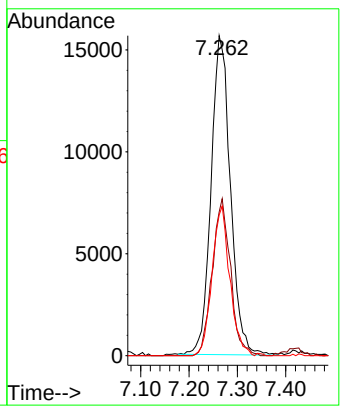
Tgt Ion: 42 Resp: 4360

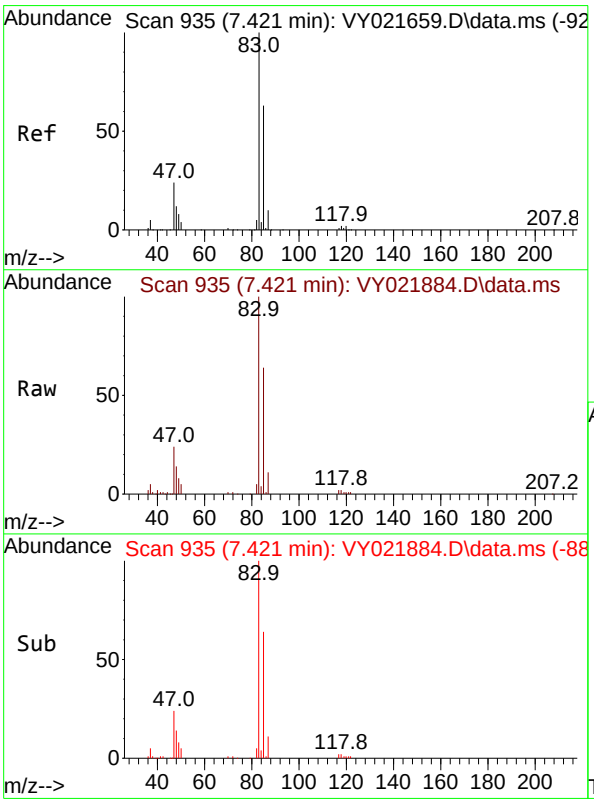
Ion	Ratio	Lower	Upper
42	100		
72	46.3	34.6	52.0
71	43.0	32.5	48.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

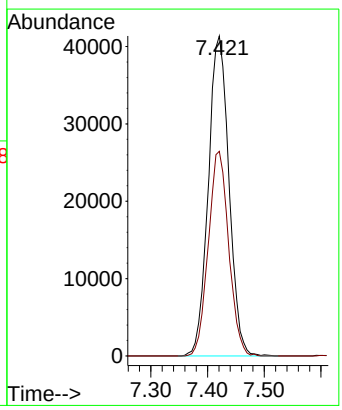


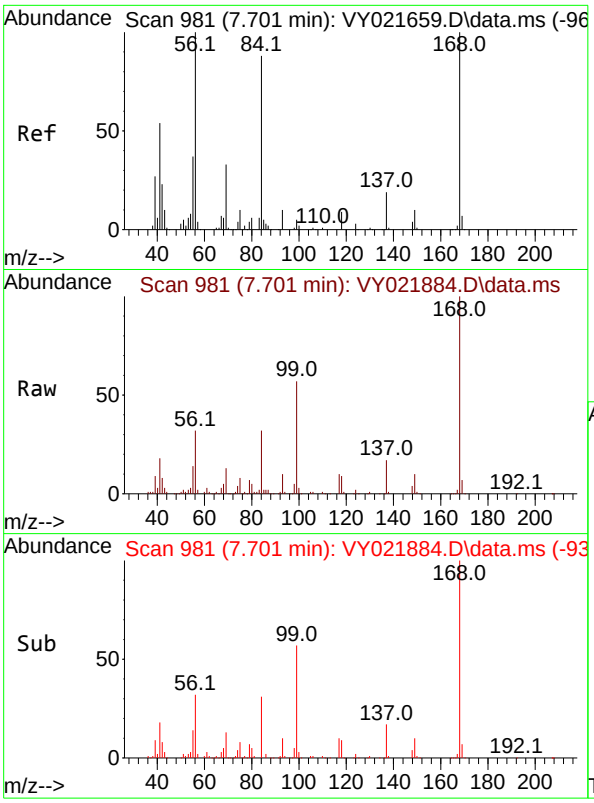


#30
Chloroform
Concen: 19.614 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 83 Resp: 104451

Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.6	75.8

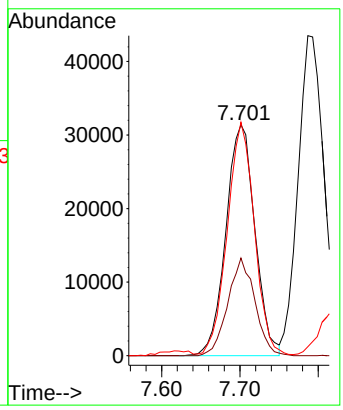




#31
Cyclohexane
Concen: 17.364 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 56 Resp: 8104

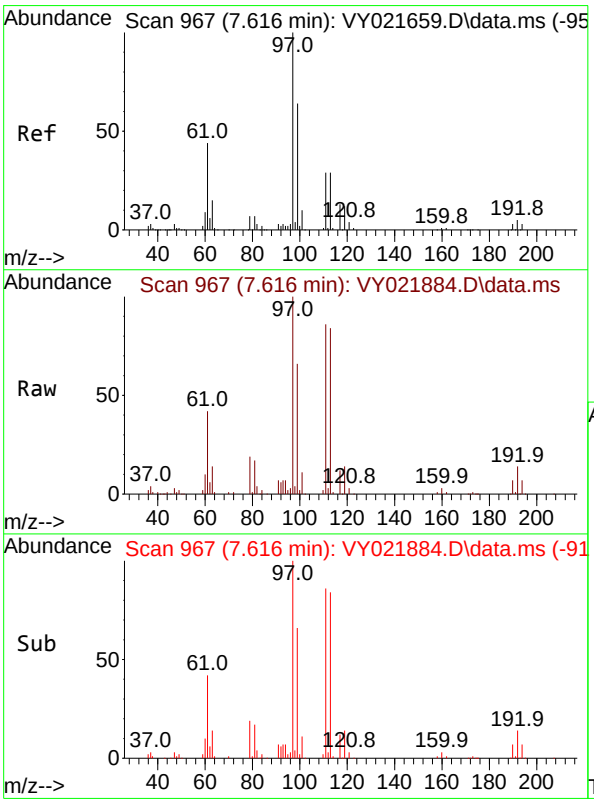
Ion	Ratio	Lower	Upper
56	100		
69	42.2	26.6	40.0
84	99.1	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

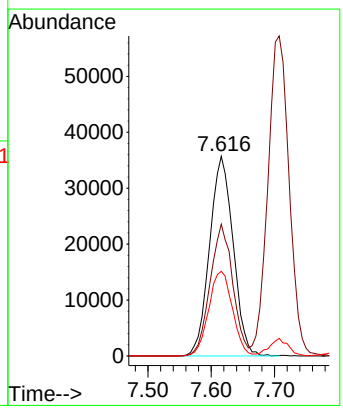
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

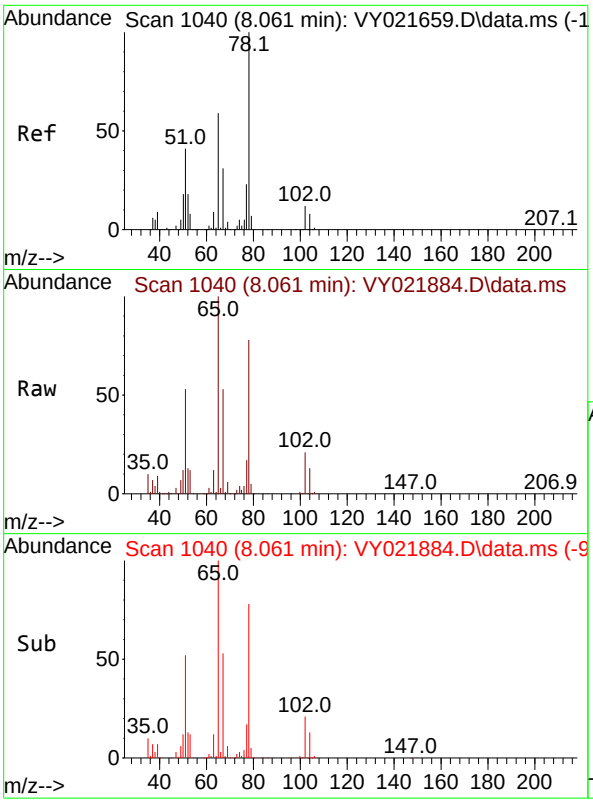


#32
1,1,1-Trichloroethane
Concen: 19.194 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 97 Resp: 92382

Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.7	76.1
61	42.6	35.2	52.8

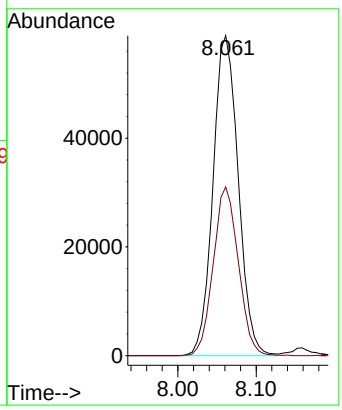




#33
1,2-Dichloroethane-d4
Concen: 49.876 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 65 Resp: 13189

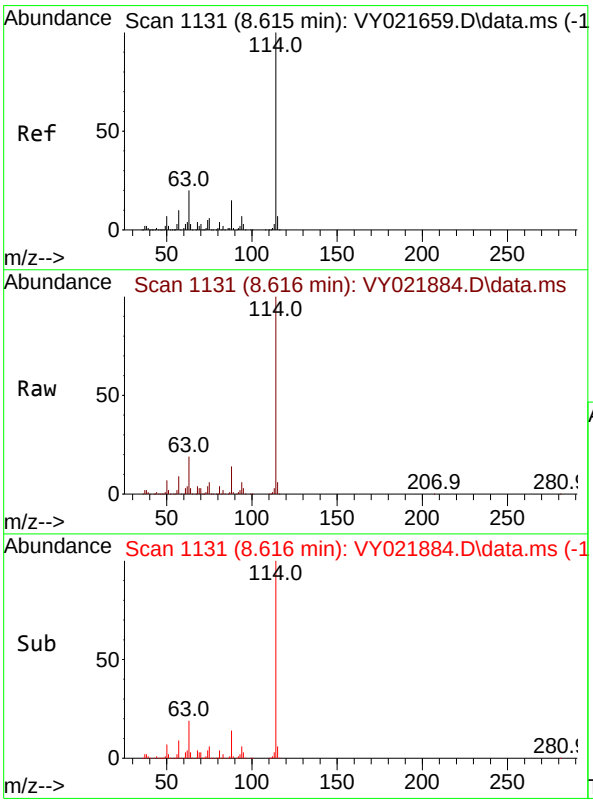
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

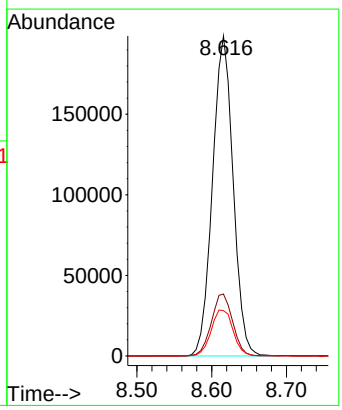
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

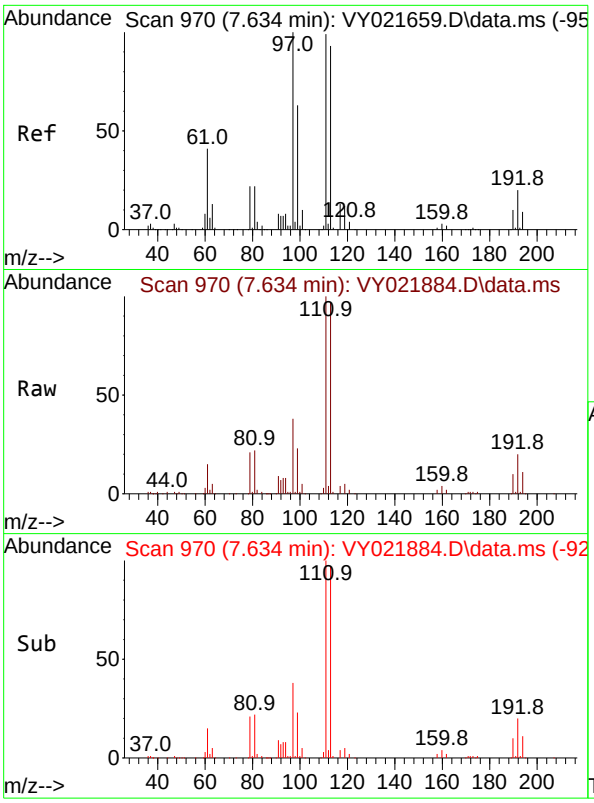


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:114 Resp: 380818

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	40.2
88	14.1	0.0	29.8

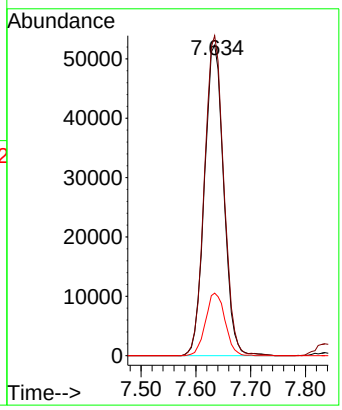




#35
Dibromofluoromethane
Concen: 51.592 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:113 Resp: 12744

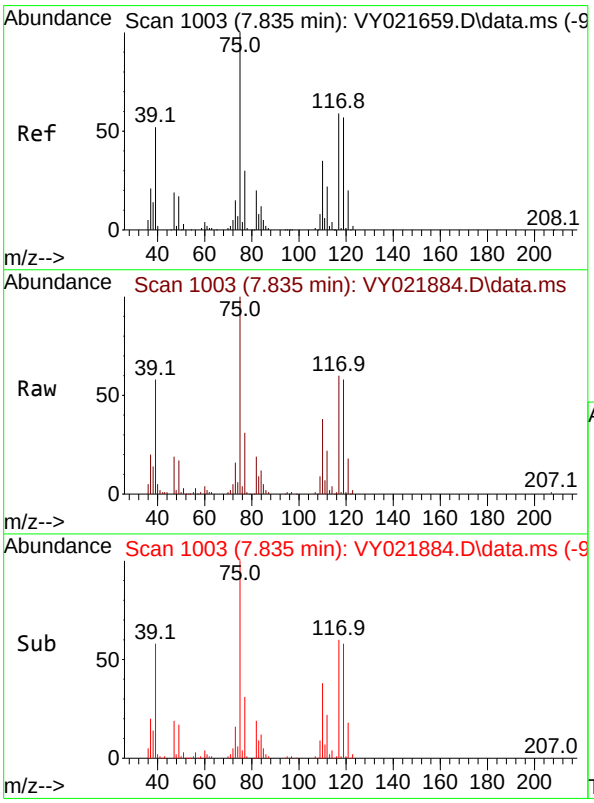
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	20.5	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

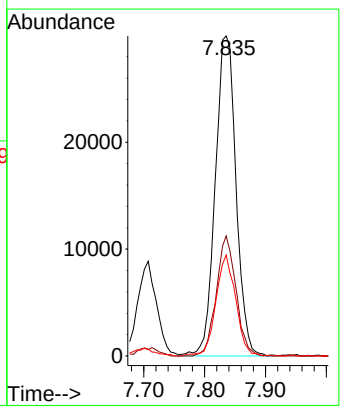
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

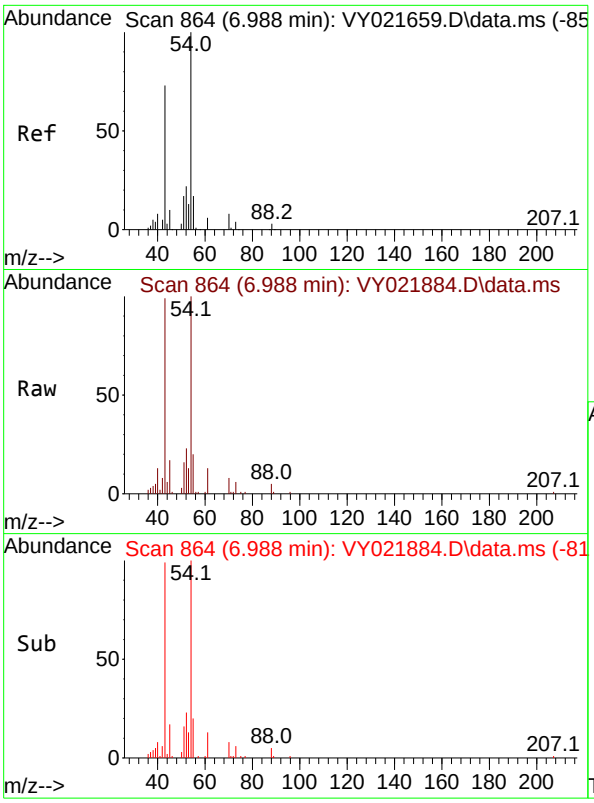


#36
1,1-Dichloropropene
Concen: 18.851 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 75 Resp: 70929

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.0	50.9
77	30.2	24.8	37.2





#37
Ethyl Acetate
Concen: 18.011 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

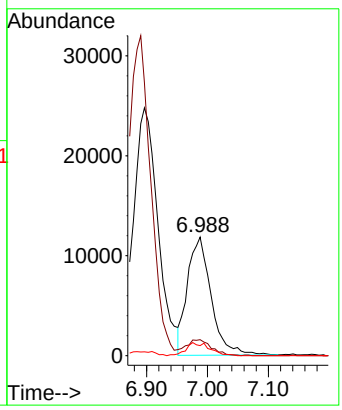
Tgt Ion: 43 Resp: 3198

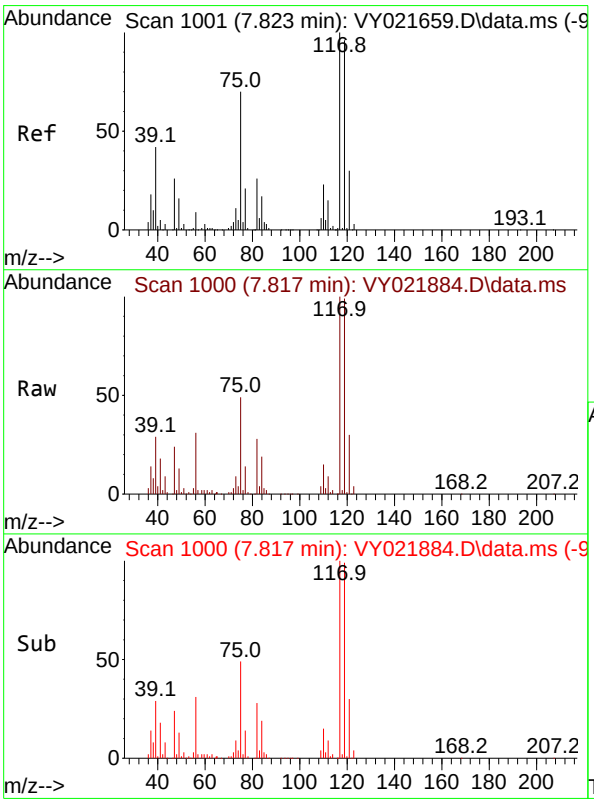
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.6
70	11.0	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

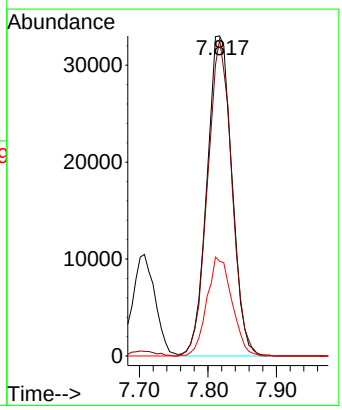


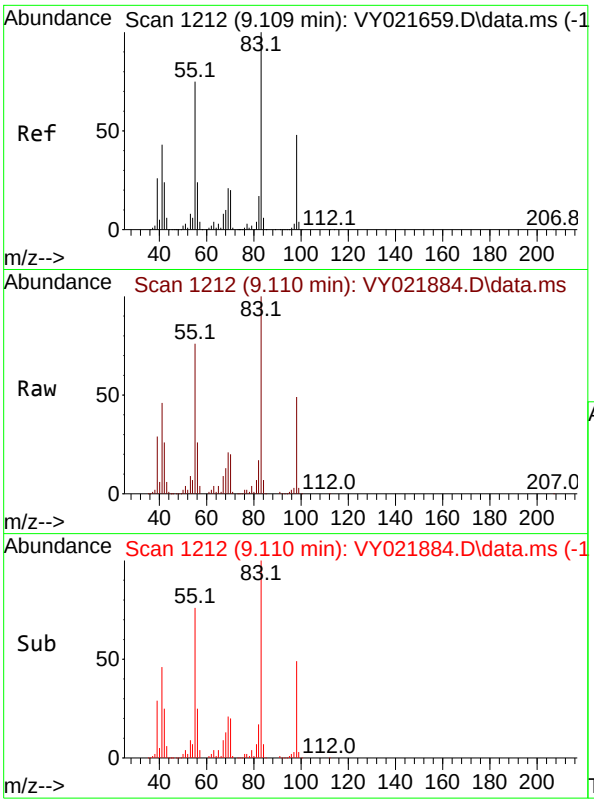


#38
Carbon Tetrachloride
Concen: 19.421 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:117 Resp: 83697

Ion	Ratio	Lower	Upper
117	100		
119	99.0	76.2	114.4
121	29.6	24.2	36.4





#39
Methylcyclohexane
Concen: 18.607 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

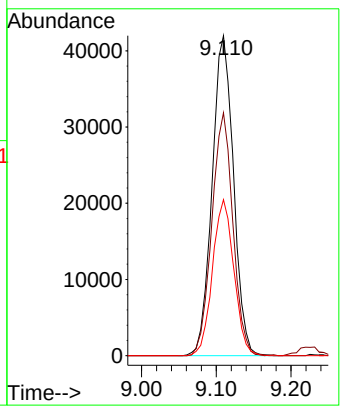
Tgt Ion: 83 Resp: 8363

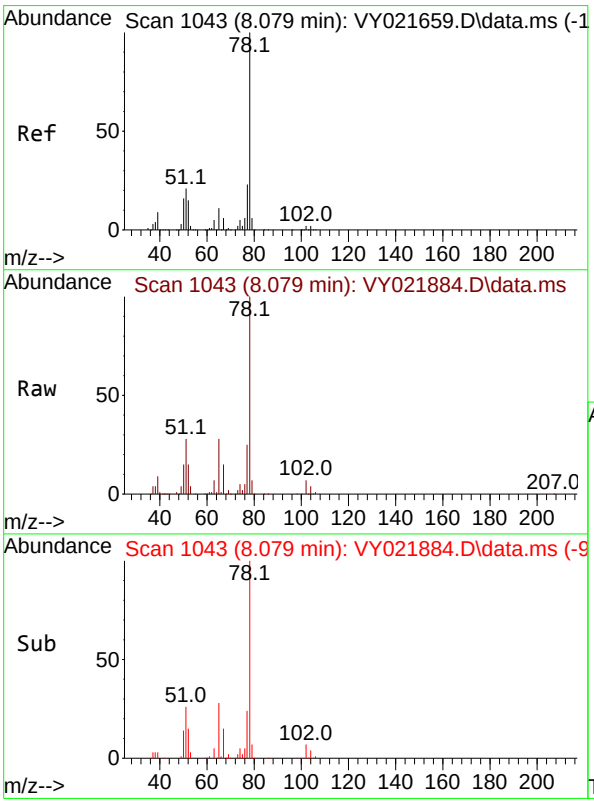
Ion	Ratio	Lower	Upper
83	100		
55	75.9	59.7	89.5
98	48.8	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

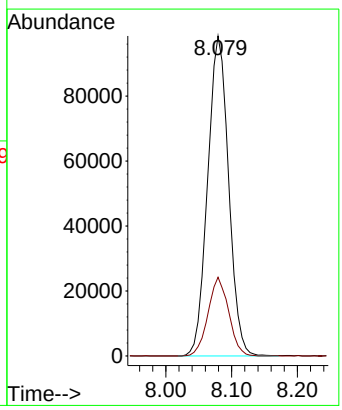


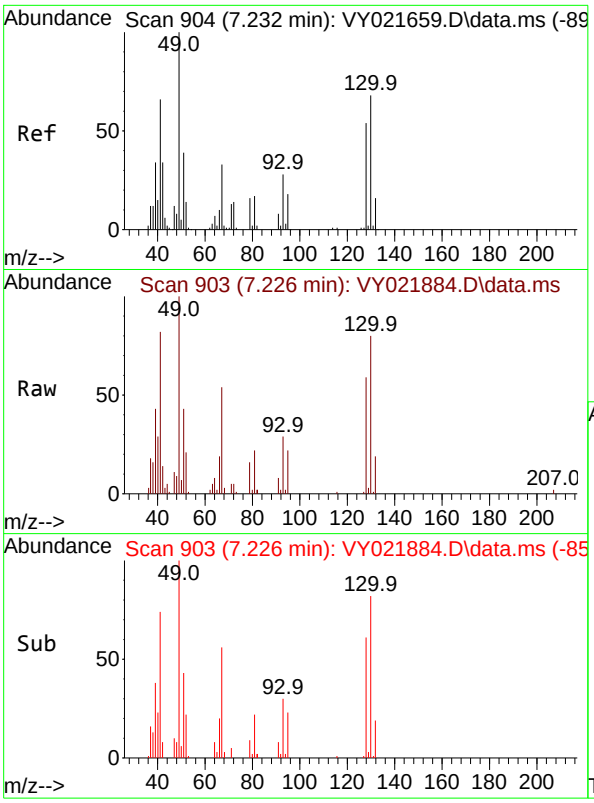


#40
Benzene
Concen: 19.386 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 78 Resp: 218445

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2

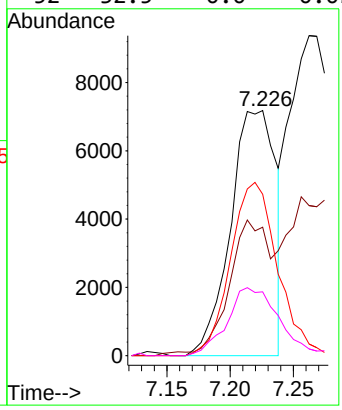




#41
Methacrylonitrile
Concen: 18.941 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 41 Resp: 1786

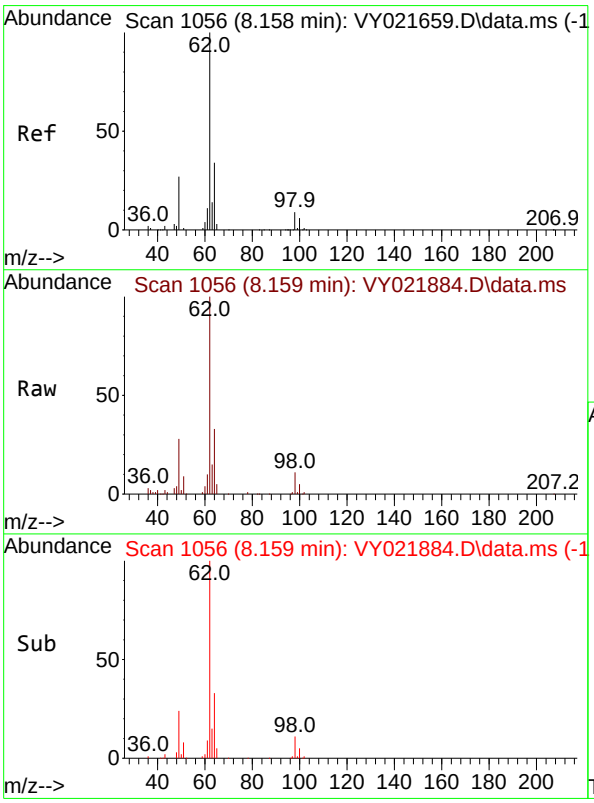
Ion	Ratio	Lower	Upper
41	100		
39	48.3	0.0	0.0#
67	74.2	0.0	0.0#
52	32.5	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

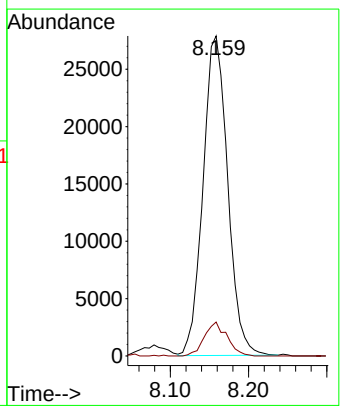
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

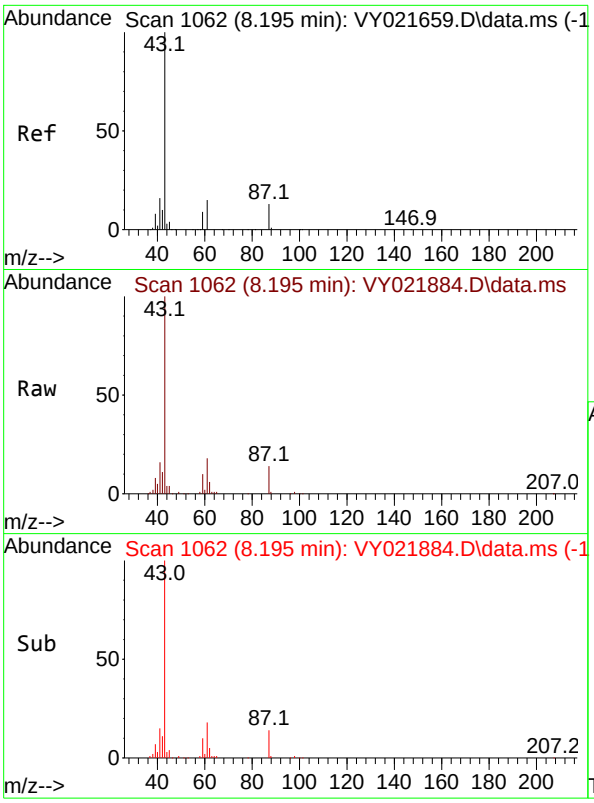


#42
1,2-Dichloroethane
Concen: 19.204 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 62 Resp: 61004

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.4

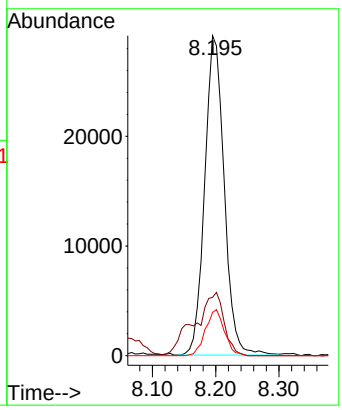




#43
Isopropyl Acetate
Concen: 18.521 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 43 Resp: 6232

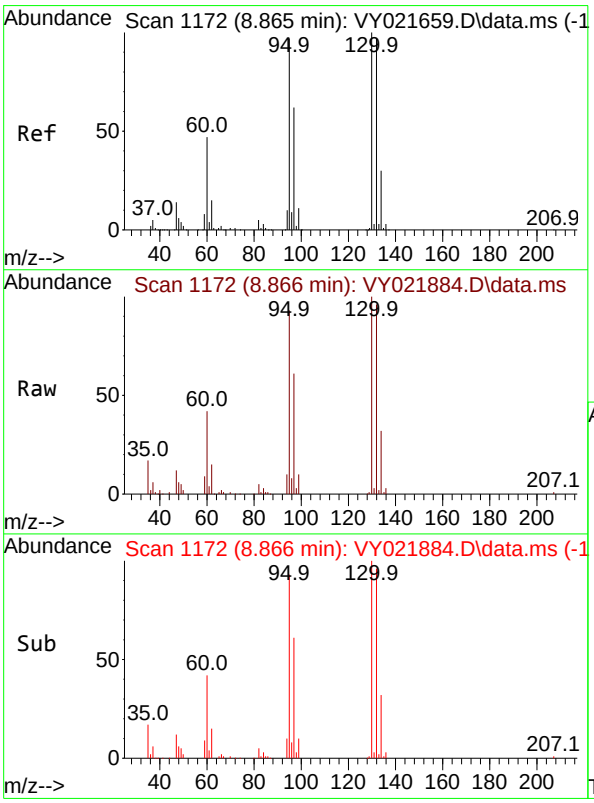
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.9	23.9
87	14.0	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

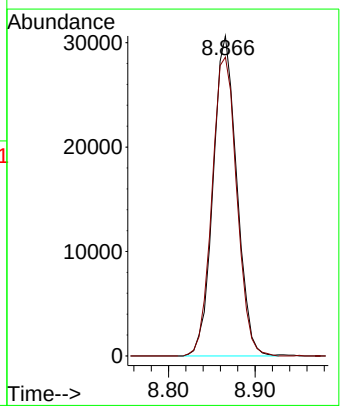
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

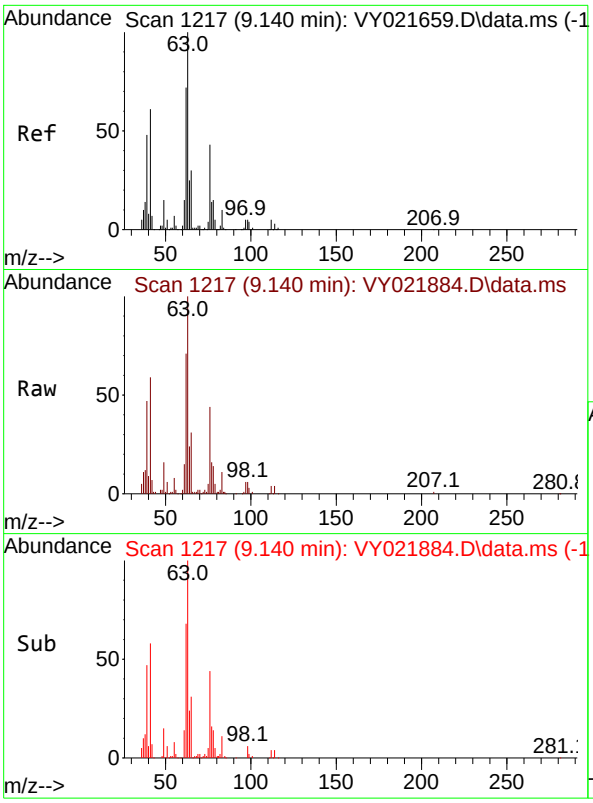


#44
Trichloroethene
Concen: 20.242 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:130 Resp: 58117

Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	194.8

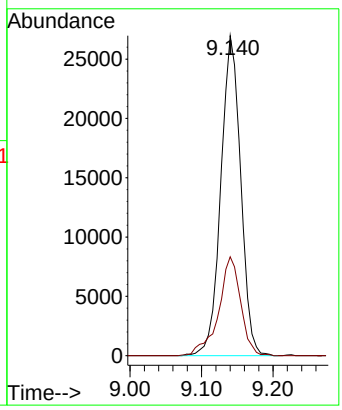




#45
1,2-Dichloropropane
Concen: 19.522 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 63 Resp: 5207

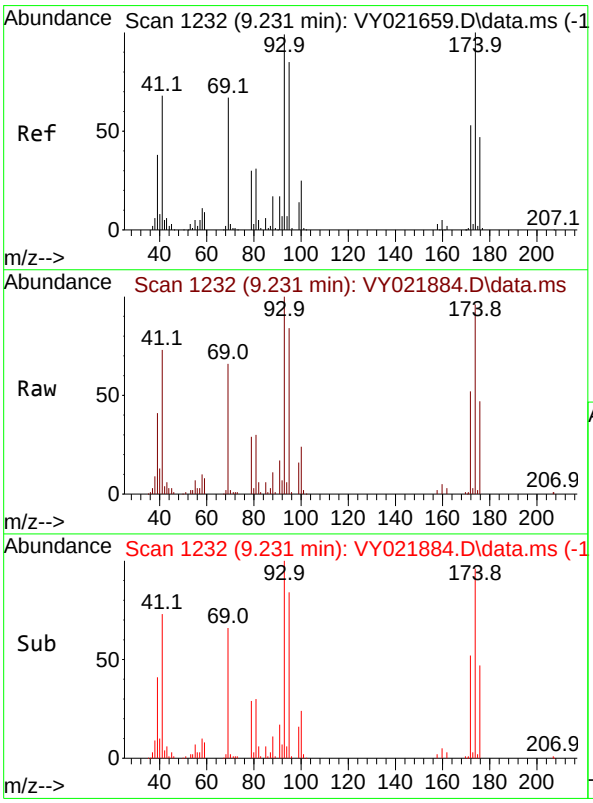
Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

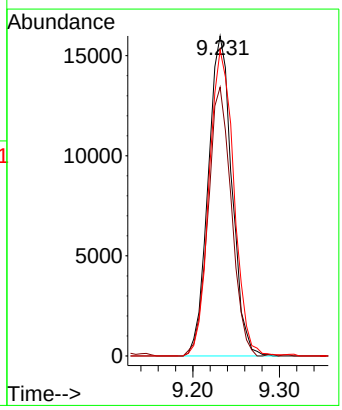
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

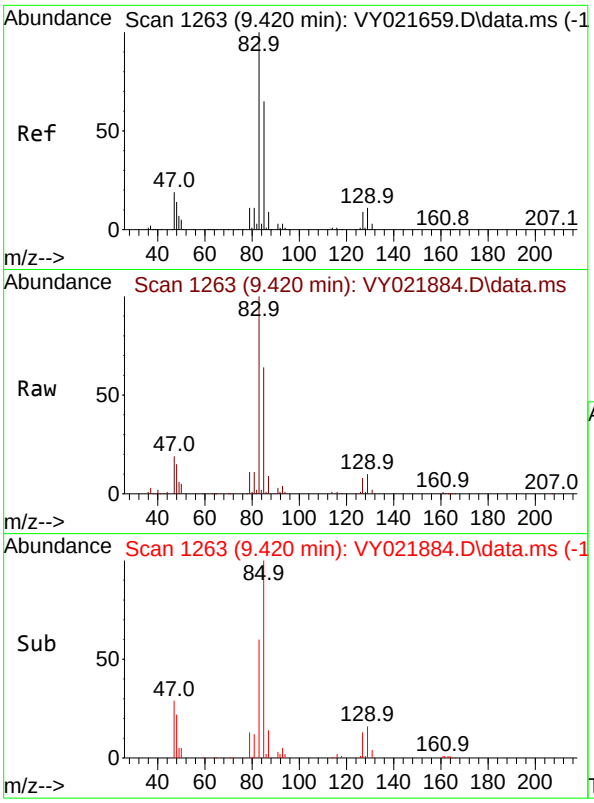


#46
Dibromomethane
Concen: 19.761 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 93 Resp: 30377

Ion	Ratio	Lower	Upper
93	100		
95	82.6	68.1	102.1
174	99.9	80.9	121.3

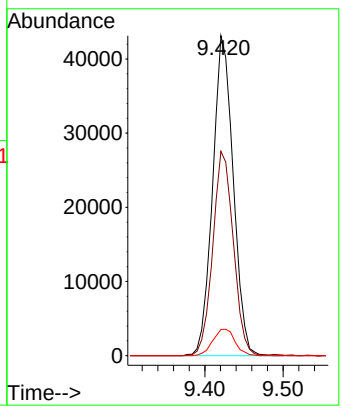




#47
Bromodichloromethane
Concen: 19.790 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 83 Resp: 7882

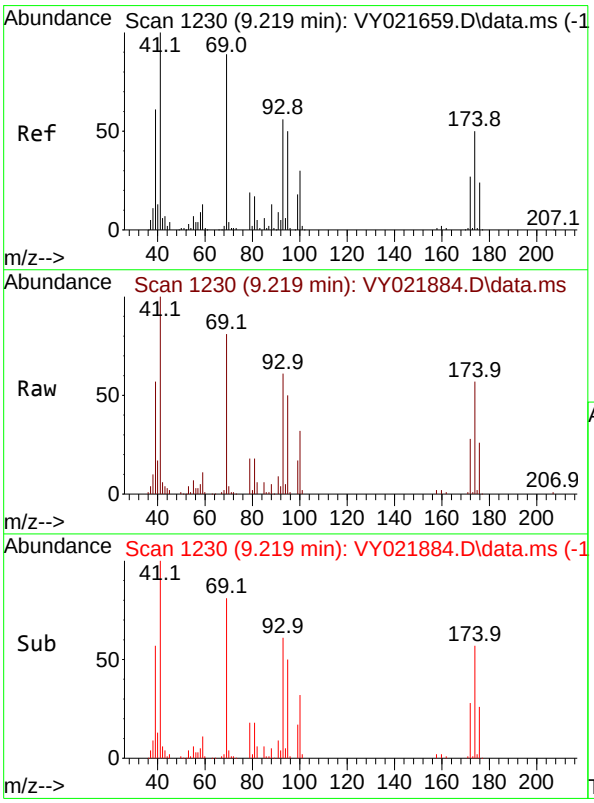
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	8.2	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

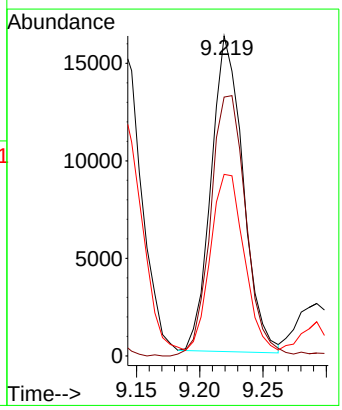
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

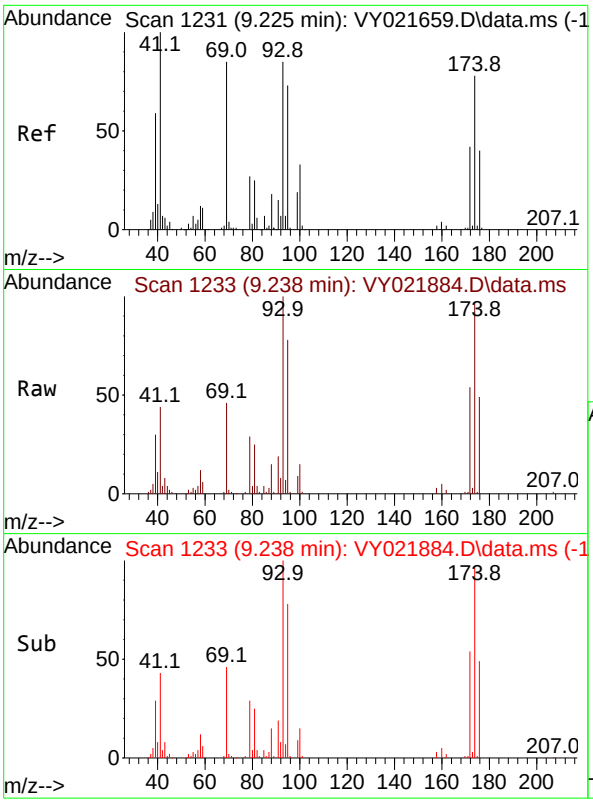


#48
Methyl methacrylate
Concen: 18.373 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 41 Resp: 28377

Ion	Ratio	Lower	Upper
41	100		
69	91.1	69.8	104.8
39	58.9	47.2	70.8





#49
1,4-Dioxane
Concen: 374.498 ug/l
RT: 9.238 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

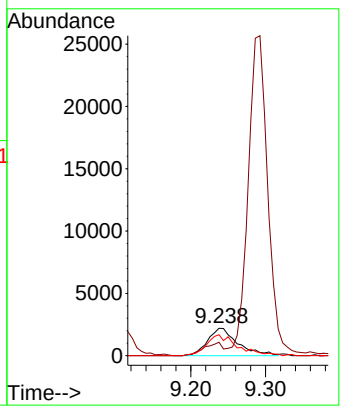
Tgt Ion: 88 Resp: 616

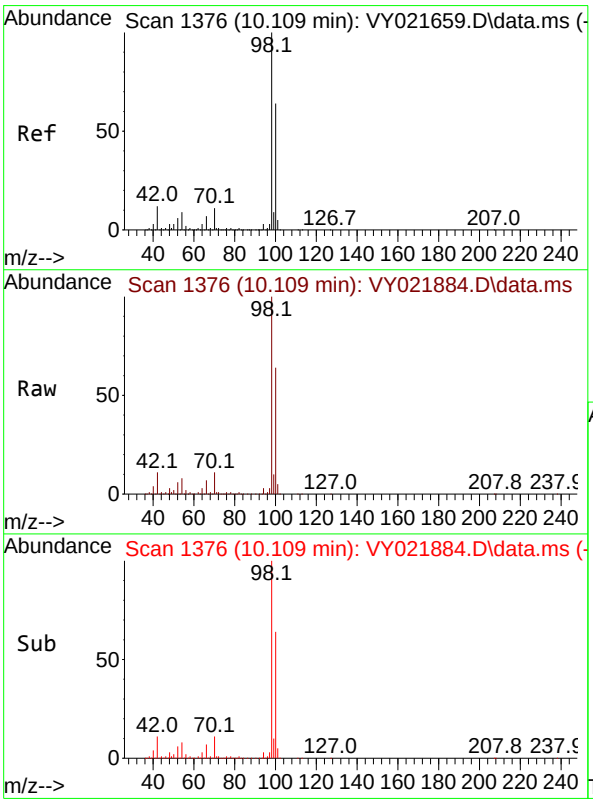
Ion	Ratio	Lower	Upper
88	100		
43	29.4	28.8	43.2
58	78.5	59.4	89.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

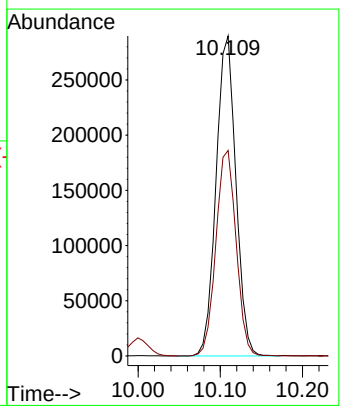


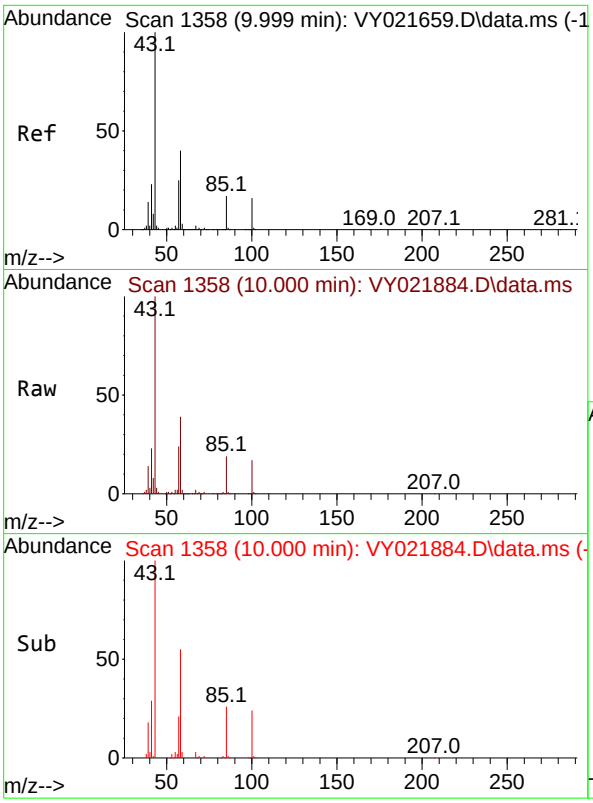


#50
Toluene-d8
Concen: 51.700 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 98 Resp: 485868

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1

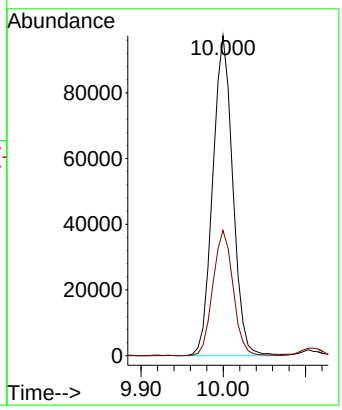




#51
4-Methyl-2-Pentanone
Concen: 93.875 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 43 Resp: 16439

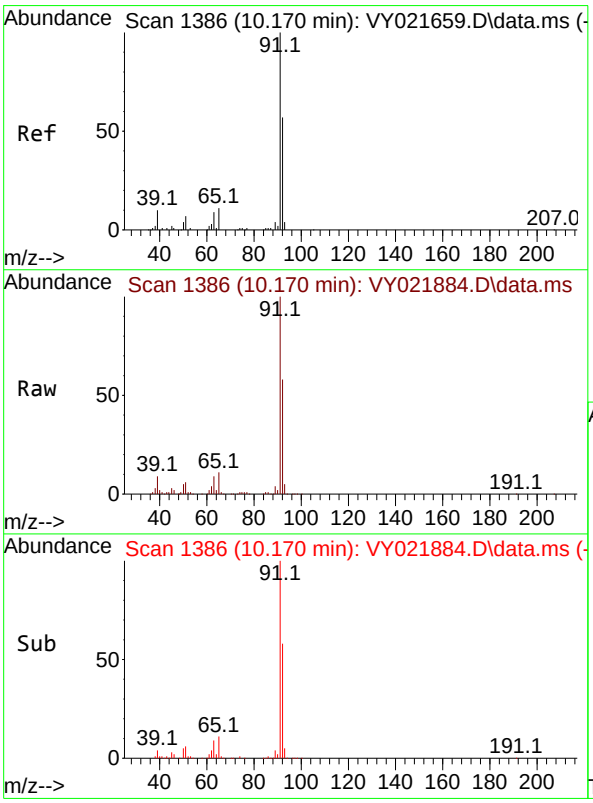
Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

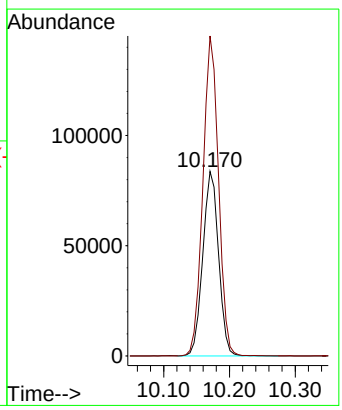
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

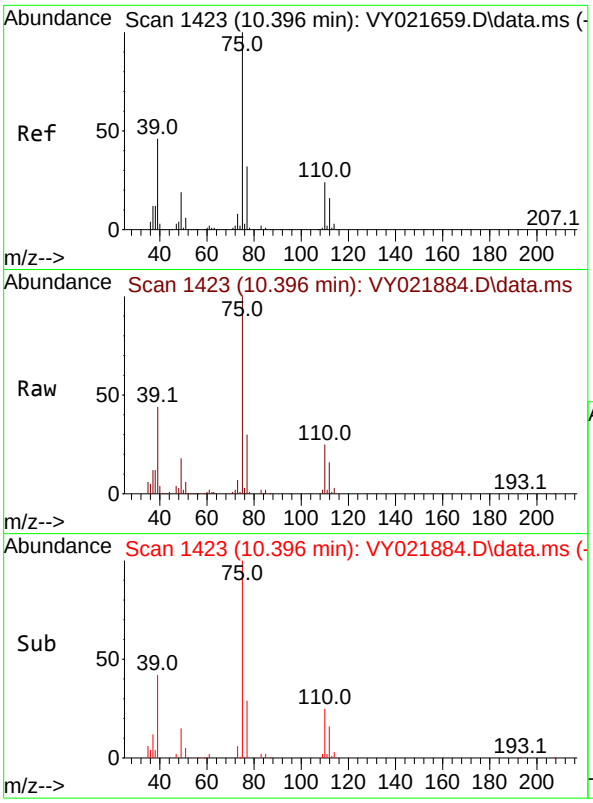


#52
Toluene
Concen: 19.881 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 92 Resp: 139771

Ion	Ratio	Lower	Upper
92	100		
91	171.8	138.6	207.8

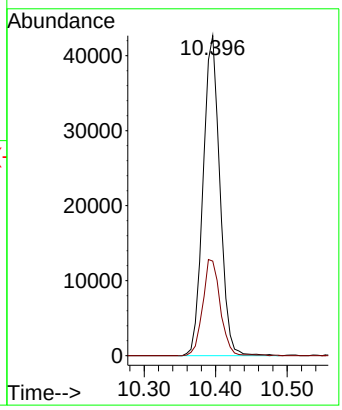




#53
t-1,3-Dichloropropene
Concen: 19.608 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 75 Resp: 6937

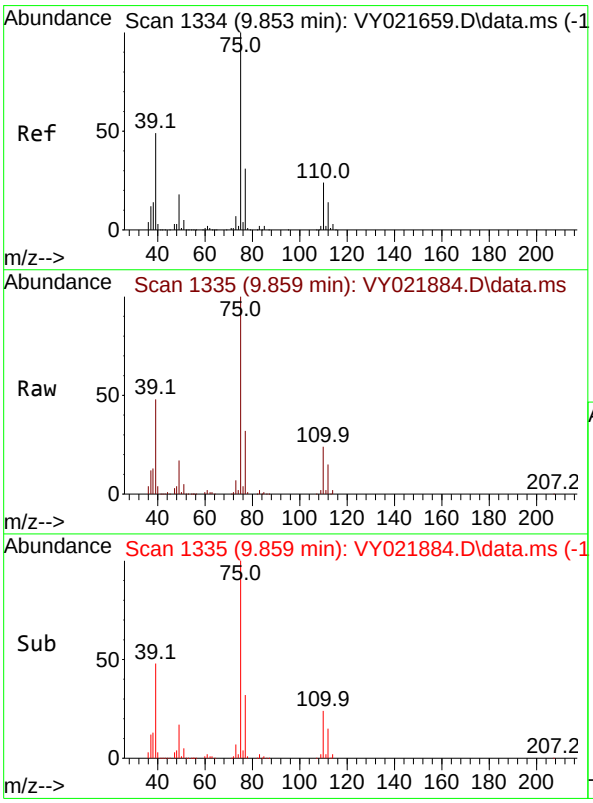
Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
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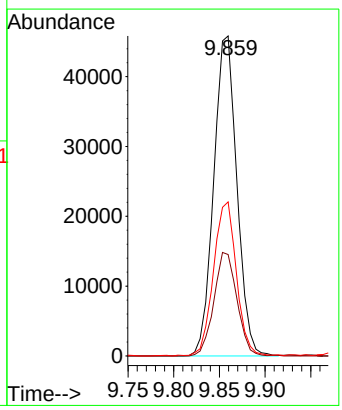
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

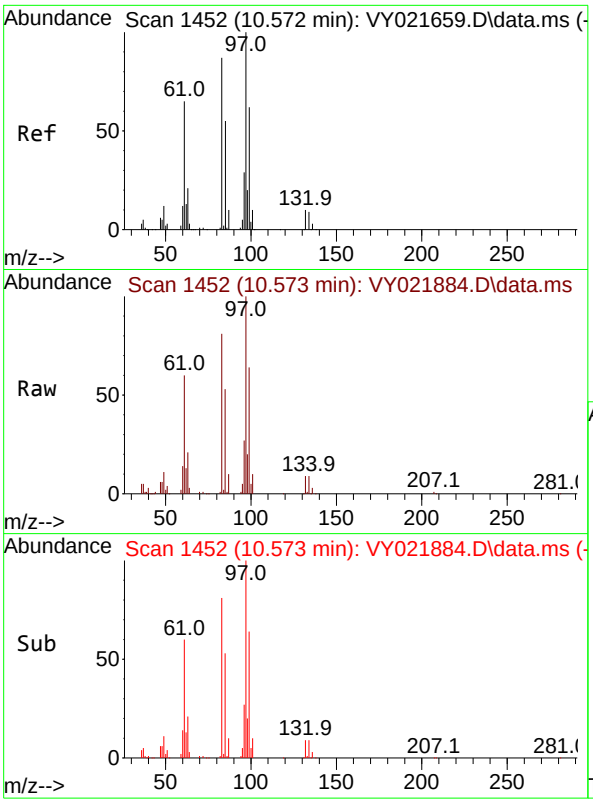


#54
cis-1,3-Dichloropropene
Concen: 19.361 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 75 Resp: 80810

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3
39	47.9	39.2	58.8

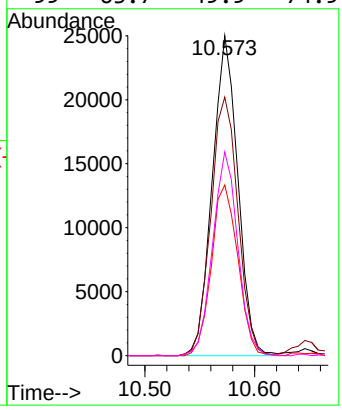




#55
1,1,2-Trichloroethane
Concen: 20.476 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 97 Resp: 4050

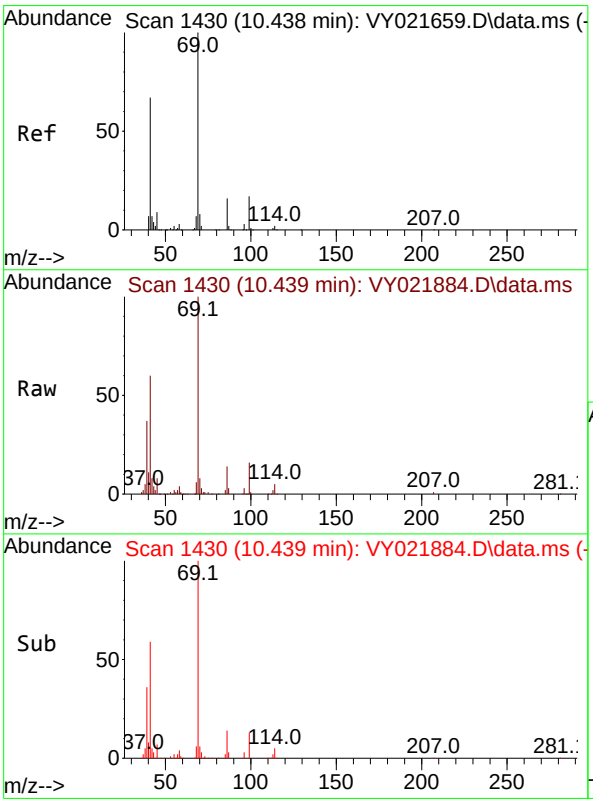
Ion	Ratio	Lower	Upper
97	100		
83	80.8	69.5	104.3
85	53.3	43.9	65.9
99	63.7	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

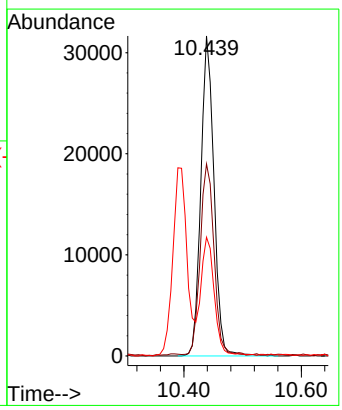
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

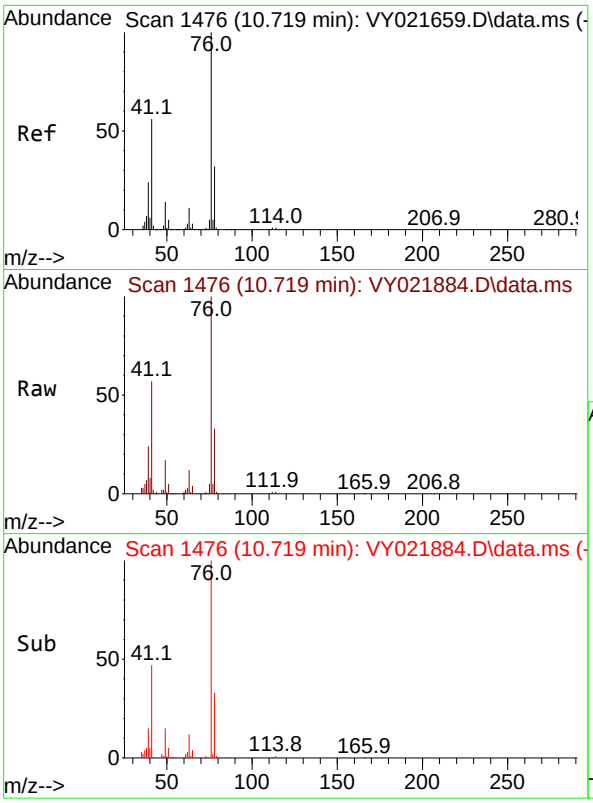


#56
Ethyl methacrylate
Concen: 19.436 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 69 Resp: 49093

Ion	Ratio	Lower	Upper
69	100		
41	62.9	53.8	80.6
39	37.1	29.6	44.4

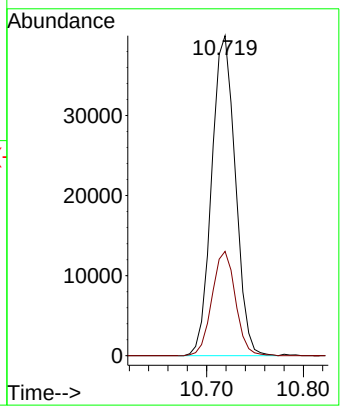




#57
1,3-Dichloropropane
Concen: 19.873 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 76 Resp: 6789

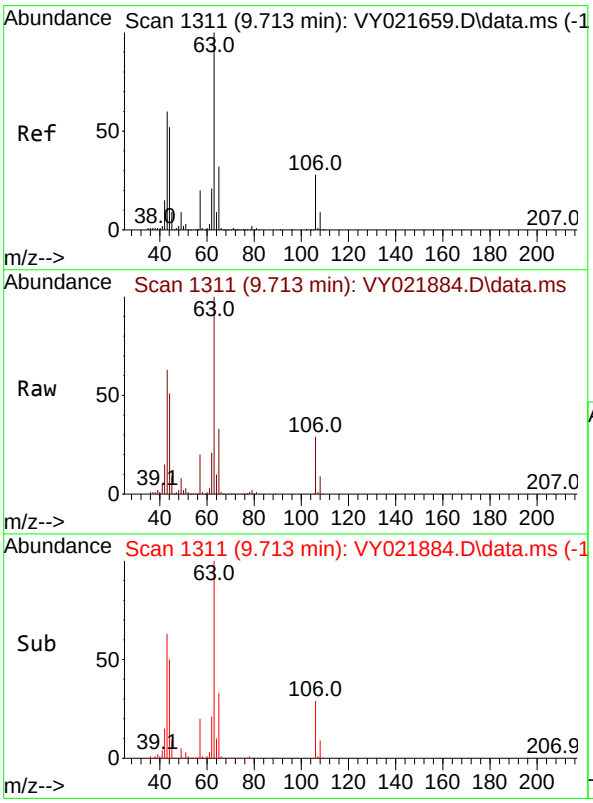
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

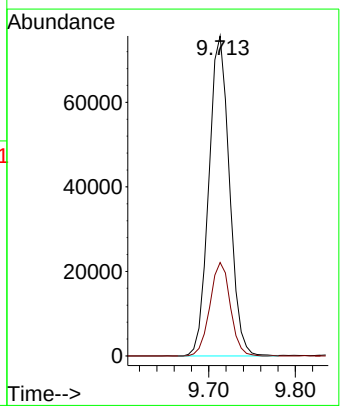
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

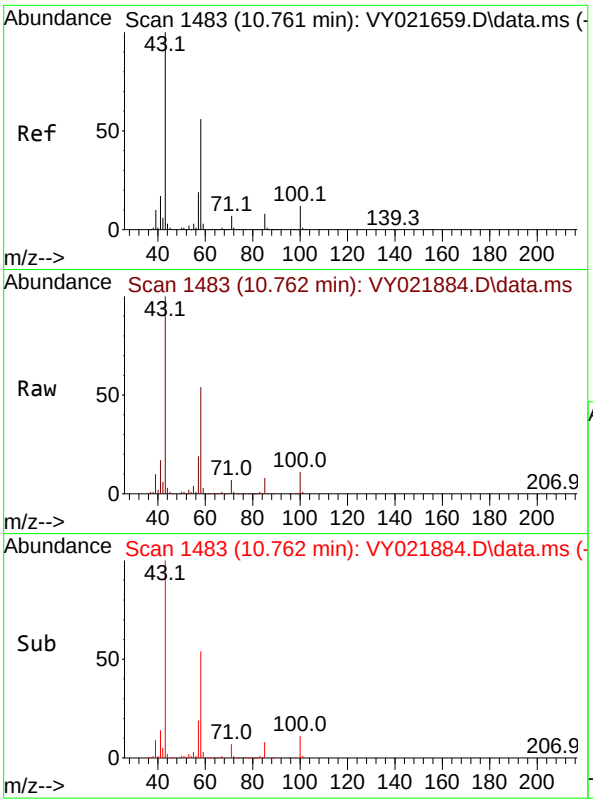


#58
2-Chloroethyl Vinyl ether
Concen: 101.478 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 63 Resp: 125045

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.4	33.6





#59
2-Hexanone
Concen: 92.272 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

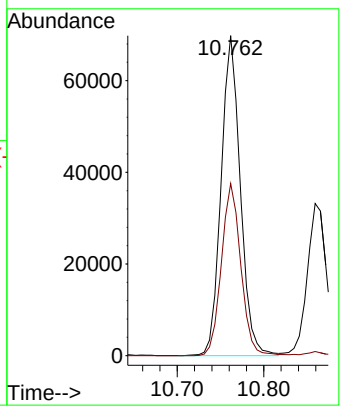
Tgt Ion: 43 Resp: 10761

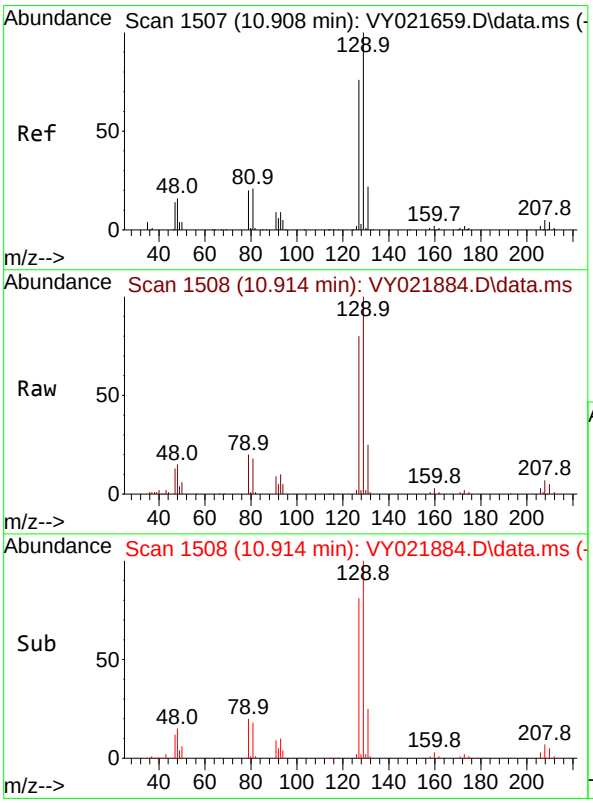
Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.2	81.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

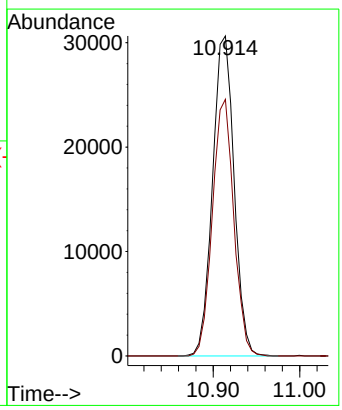


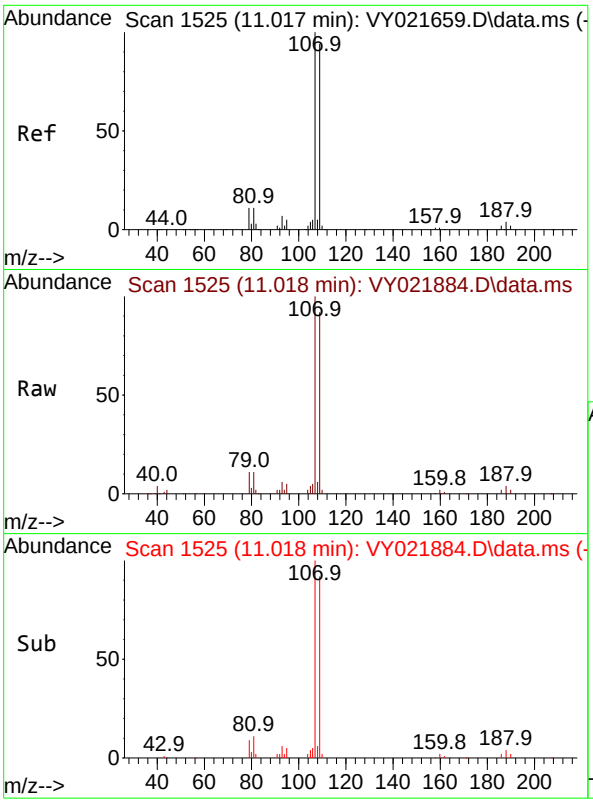


#60
Dibromochloromethane
Concen: 19.631 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:129 Resp: 53020

Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.6	115.7

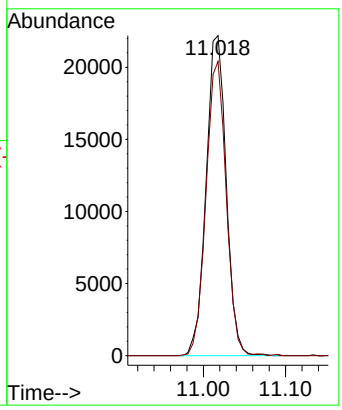




#61
1,2-Dibromoethane
Concen: 20.303 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:107 Resp: 3767

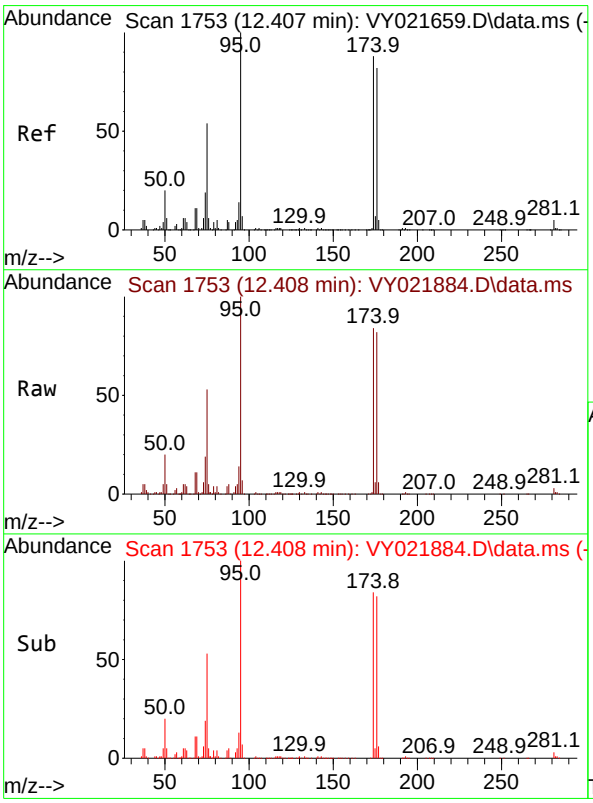
Ion	Ratio	Lower	Upper
107	100		
109	92.2	74.4	111.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

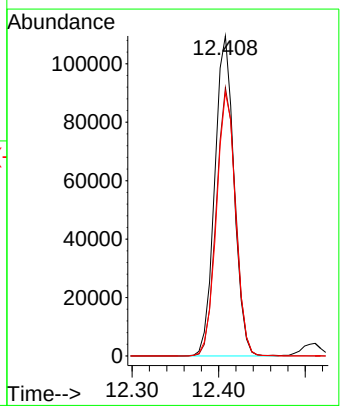
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

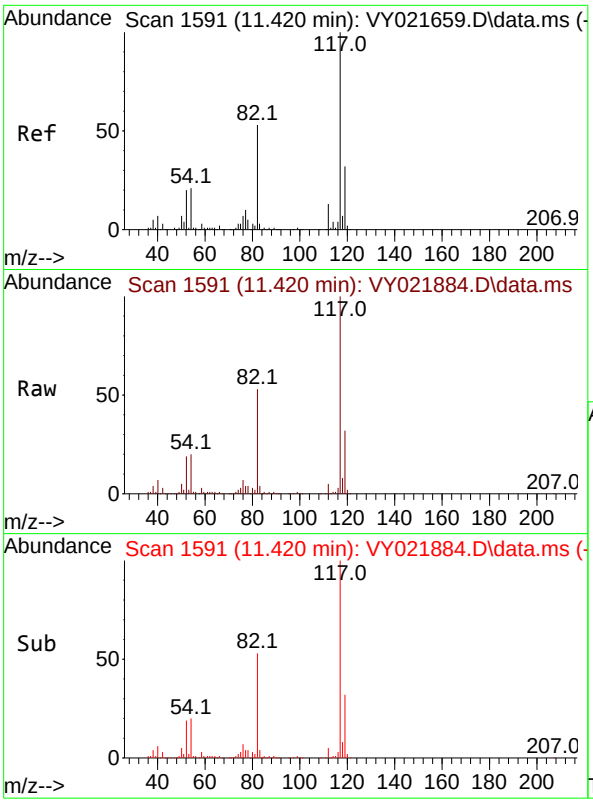


#62
4-Bromofluorobenzene
Concen: 53.268 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 95 Resp: 169326

Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	170.8
176	82.1	0.0	162.0

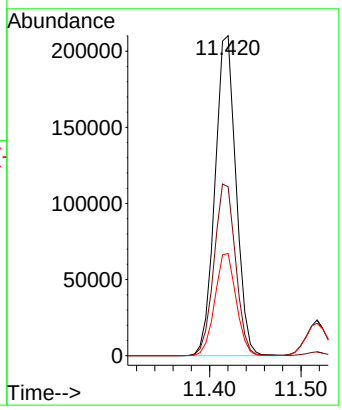




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:117 Resp: 33619

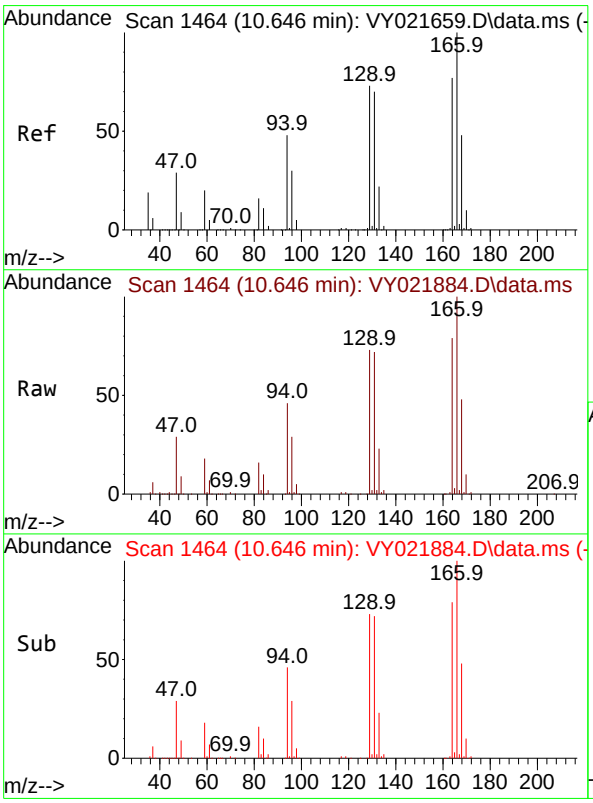
Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.8	64.2
119	31.9	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

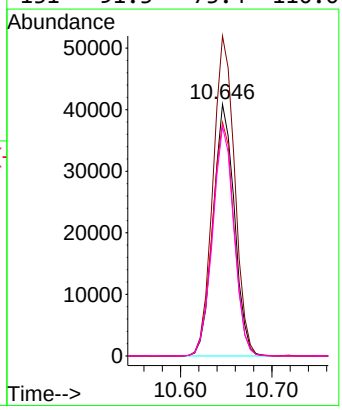
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

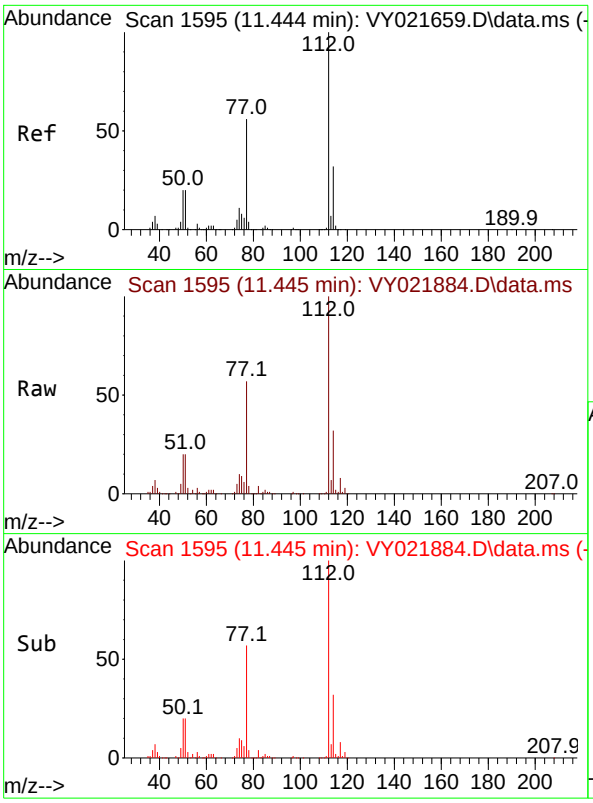


#64
Tetrachloroethene
Concen: 21.659 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:164 Resp: 66318

Ion	Ratio	Lower	Upper
164	100		
166	127.1	104.6	156.8
129	92.8	76.6	114.8
131	91.3	73.4	110.0

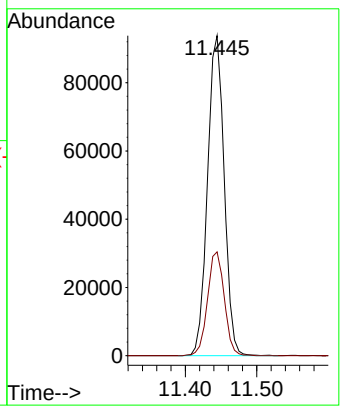




#65
Chlorobenzene
Concen: 19.702 ug/l
RT: 11.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:112 Resp: 15183

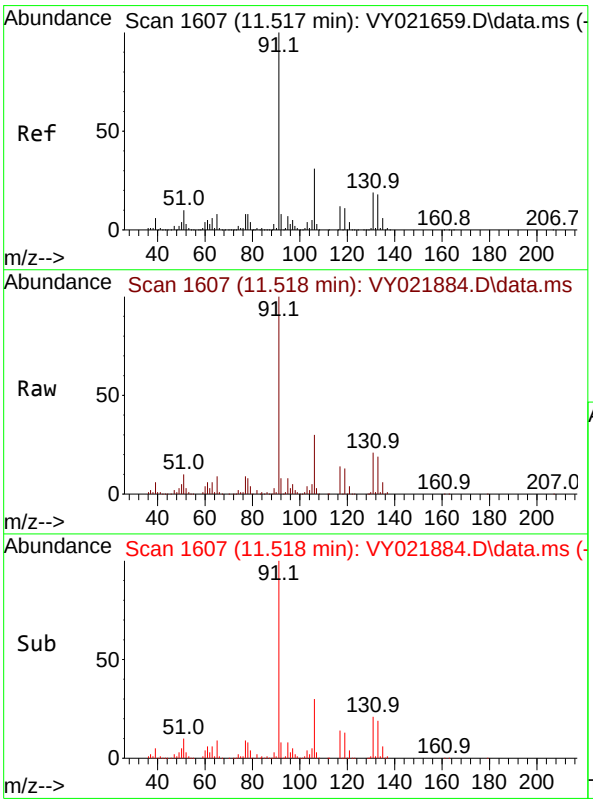
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

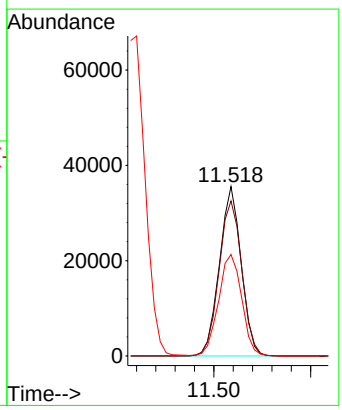
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

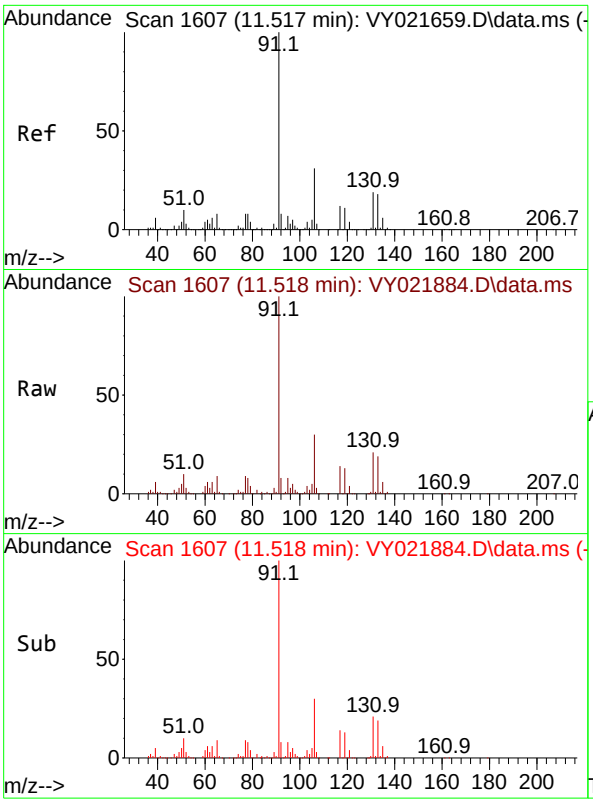


#66
1,1,1,2-Tetrachloroethane
Concen: 20.238 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:131 Resp: 55337

Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.3	141.8
119	64.0	31.6	95.0

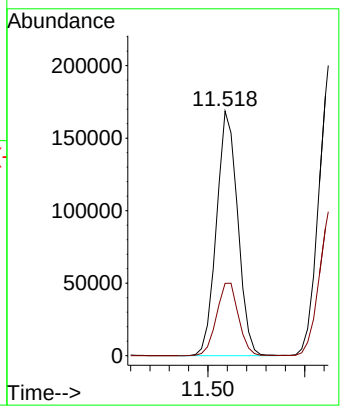




#67
Ethyl Benzene
Concen: 19.435 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 91 Resp: 25683

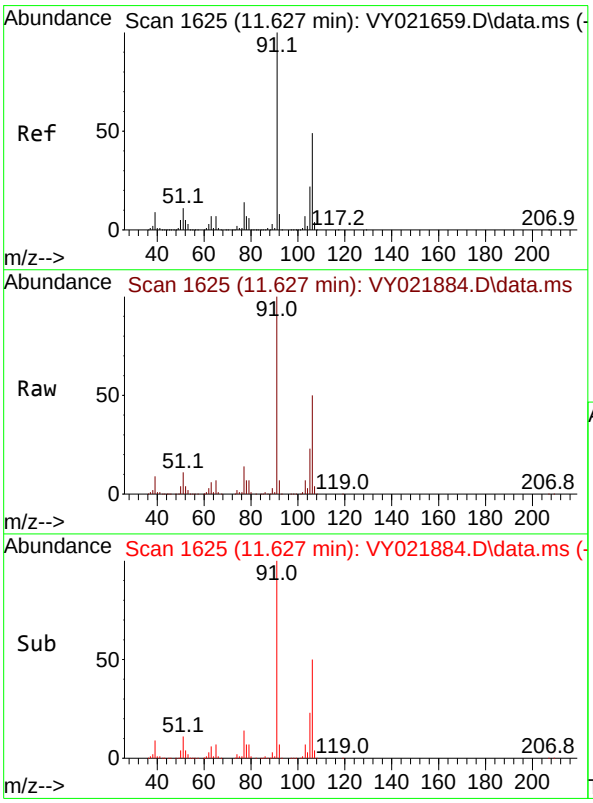
Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

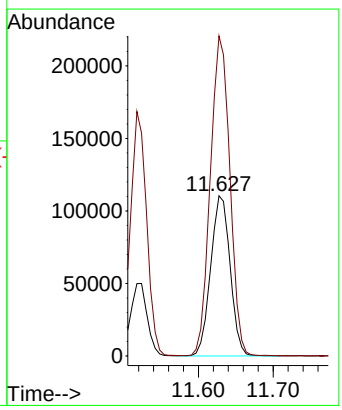
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

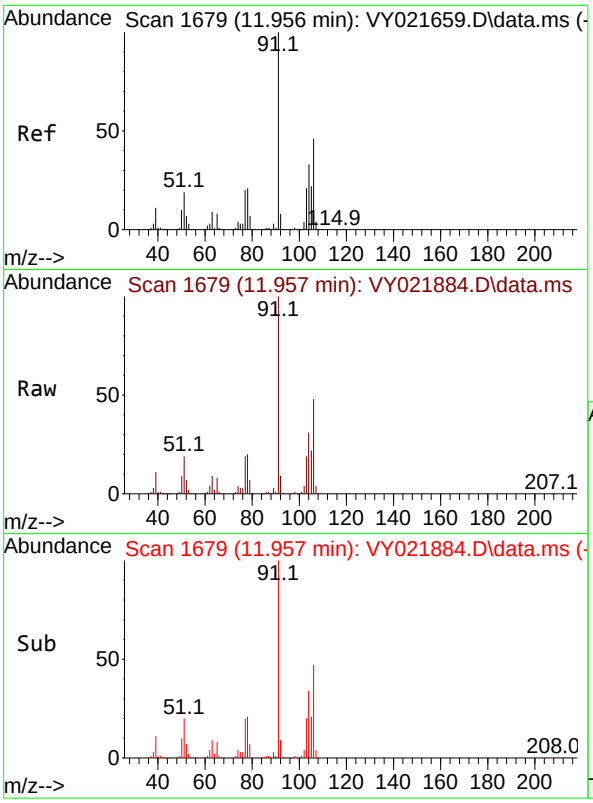


#68
m/p-Xylenes
Concen: 39.480 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:106 Resp: 199787

Ion	Ratio	Lower	Upper
106	100		
91	201.0	162.4	243.6

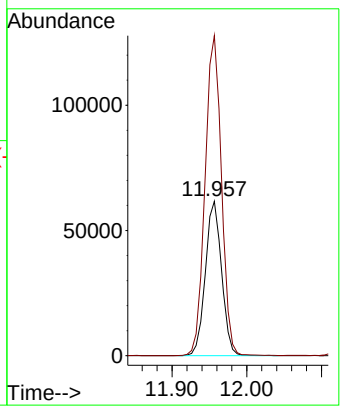




#69
o-Xylene
Concen: 19.866 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:106 Resp: 9280

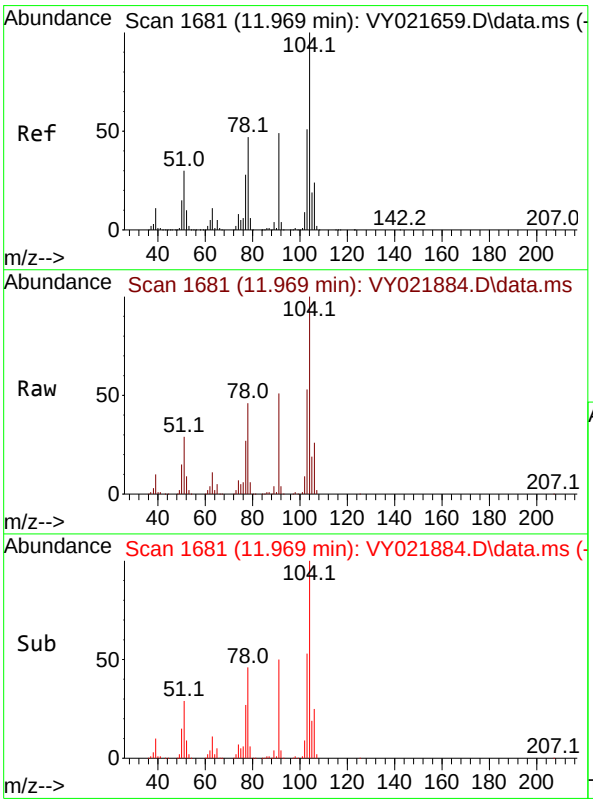
Ion	Ratio	Lower	Upper
106	100		
91	210.1	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

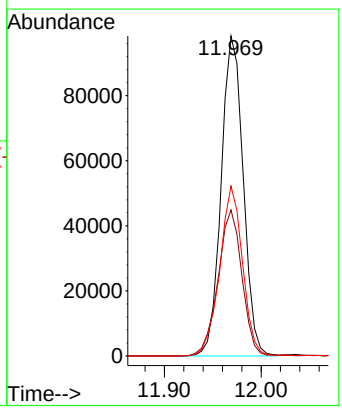
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

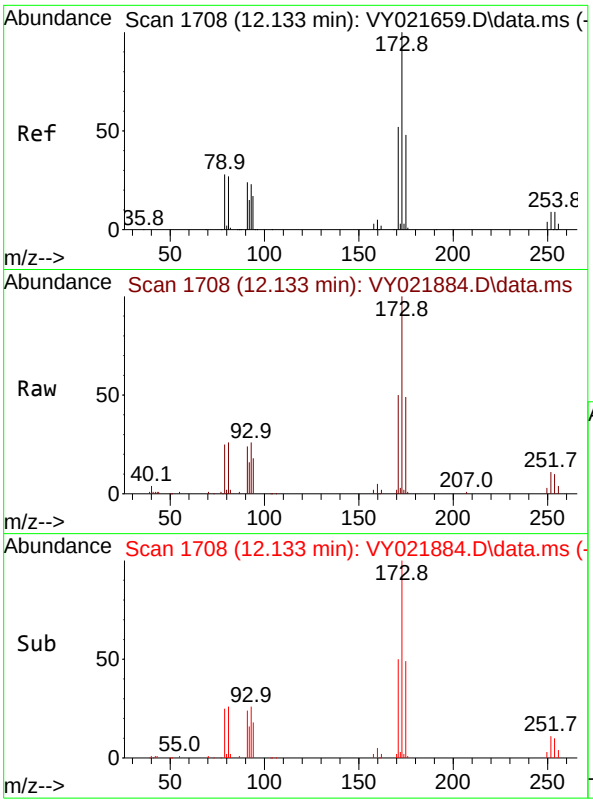


#70
Styrene
Concen: 19.945 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:104 Resp: 155340

Ion	Ratio	Lower	Upper
104	100		
78	49.5	40.8	61.2
103	55.2	44.2	66.2

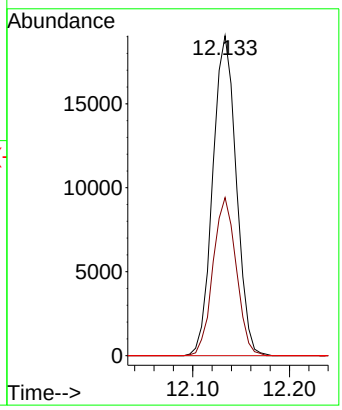




#71
Bromoform
Concen: 20.589 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

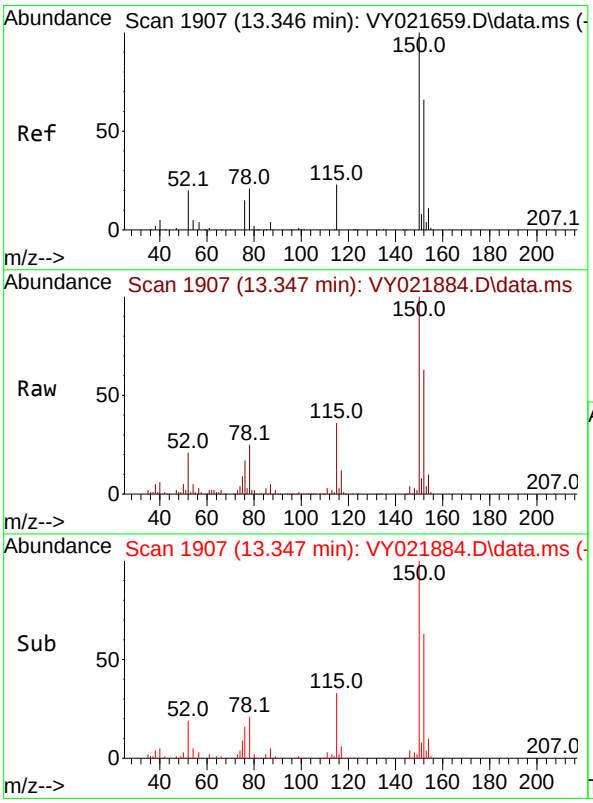
Tgt Ion:173 Resp: 3211

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	73.0
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

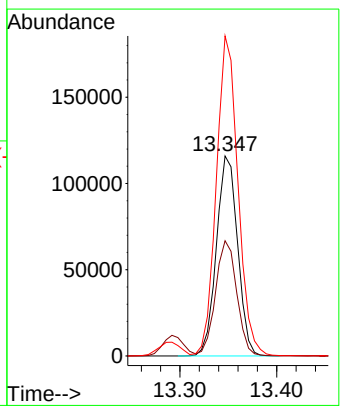
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

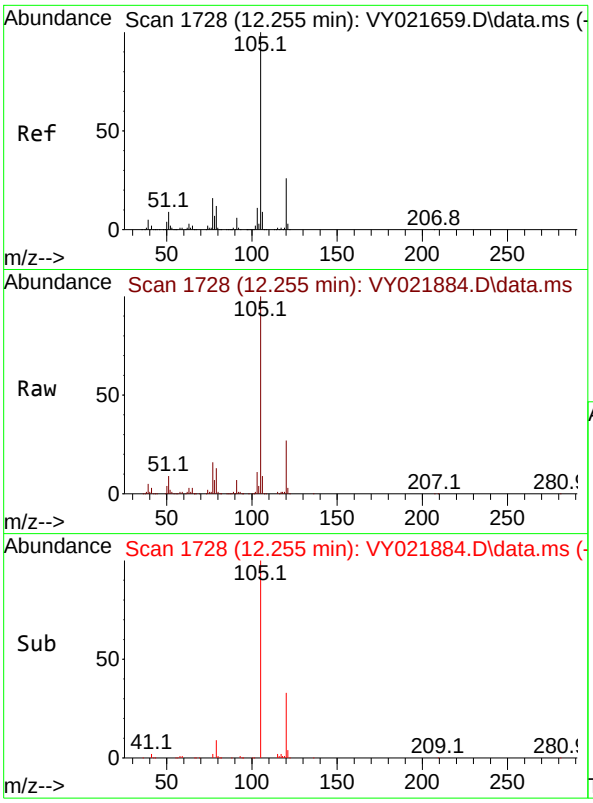


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:152 Resp: 176232

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.8	86.5
150	164.0	0.0	348.4

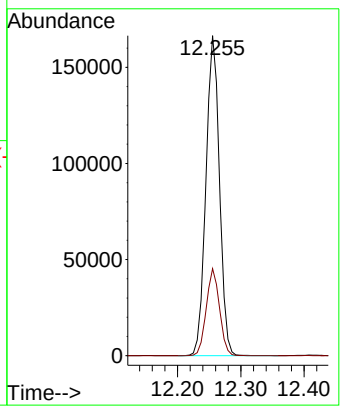




#73
Isopropylbenzene
Concen: 18.950 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:105 Resp: 24803

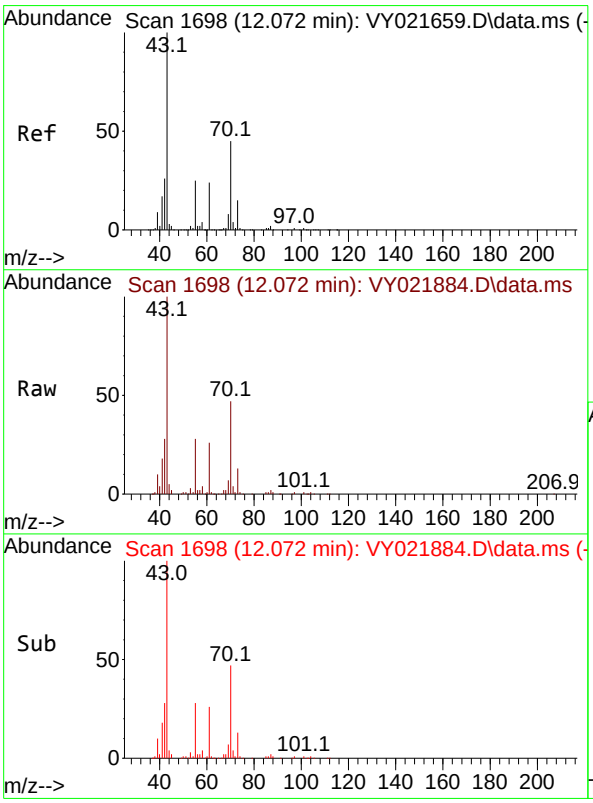
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

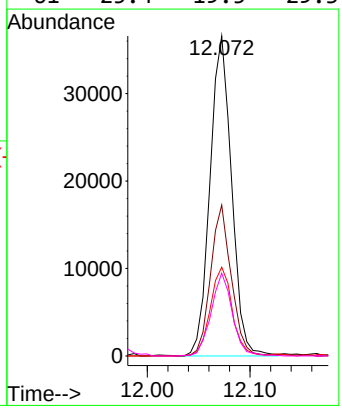
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

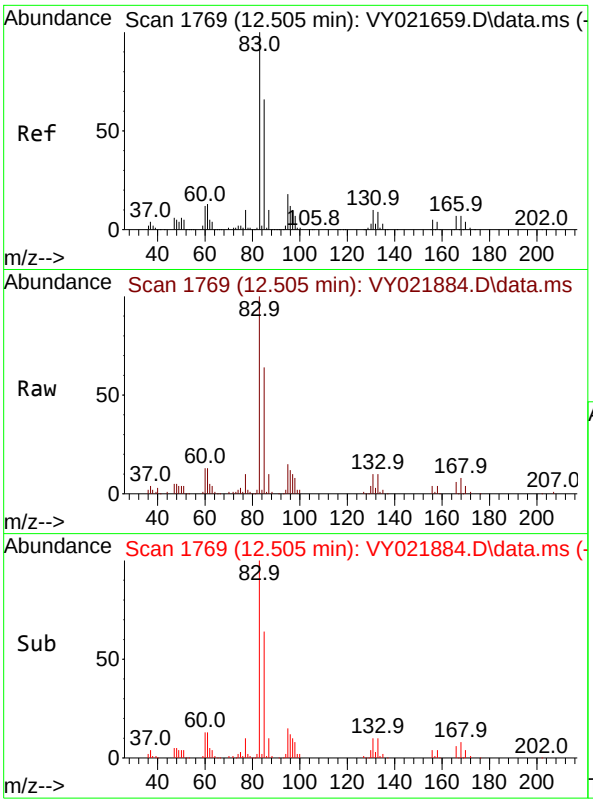


#74
N-amyl acetate
Concen: 17.417 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 43 Resp: 53504

Ion	Ratio	Lower	Upper
43	100		
70	45.4	34.7	52.1
55	28.1	21.2	31.8
61	25.4	19.5	29.3

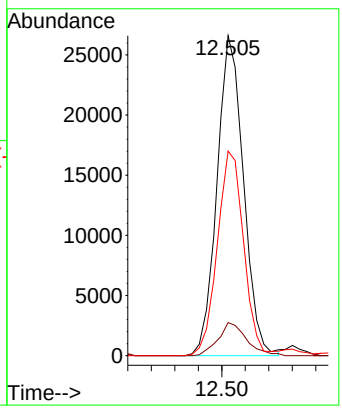




#75
1,1,2,2-Tetrachloroethane
Concen: 17.698 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 83 Resp: 4164

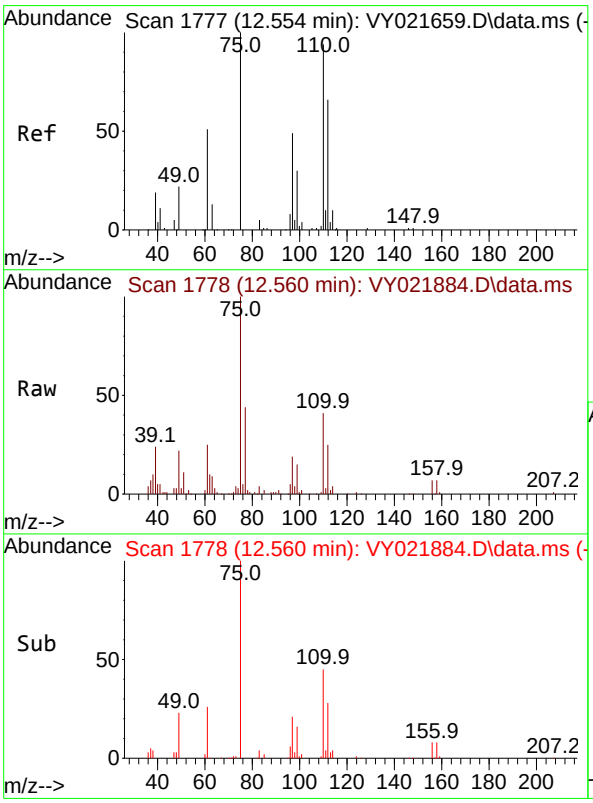
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.1	15.3
85	63.5	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

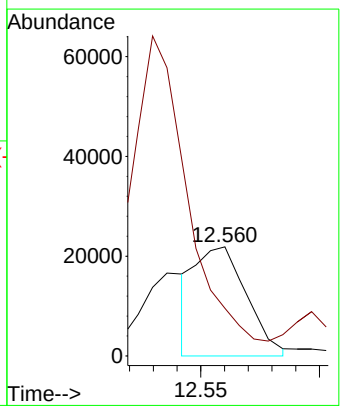
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

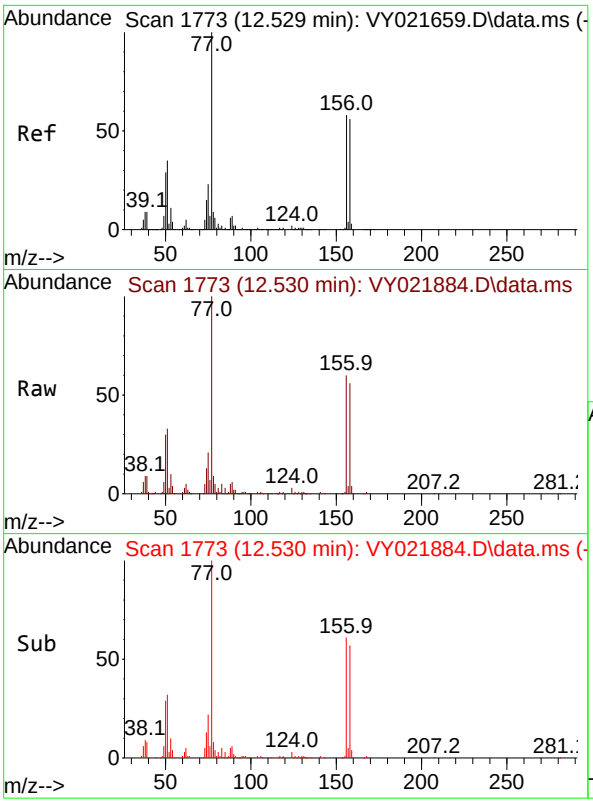


#76
1,2,3-Trichloropropane
Concen: 19.000 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 75 Resp: 33192

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

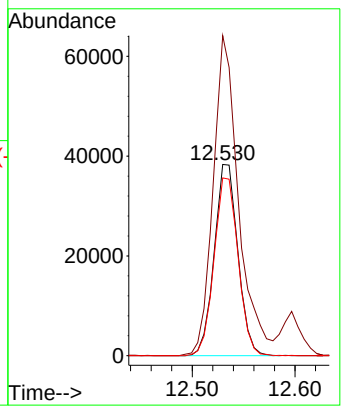




#77
Bromobenzene
Concen: 19.446 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:156 Resp: 6111

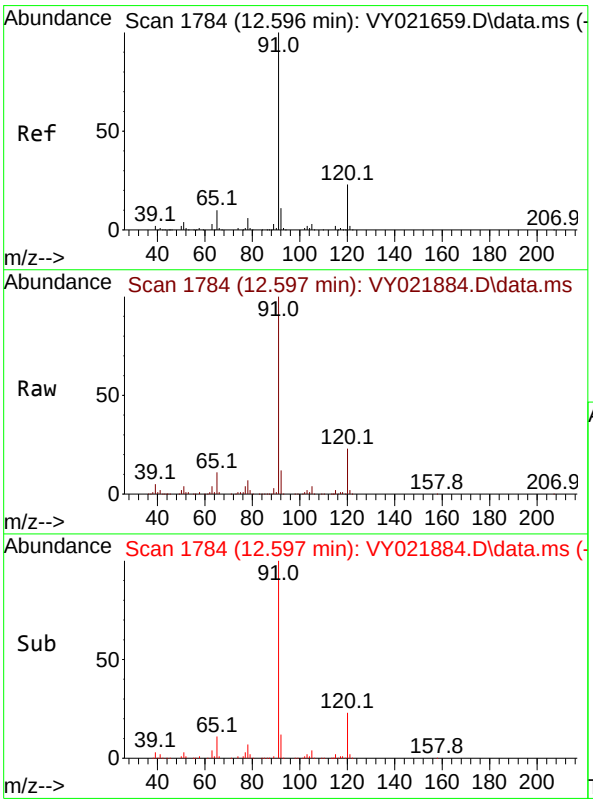
Ion	Ratio	Lower	Upper
156	100		
77	180.3	92.8	278.3
158	94.6	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

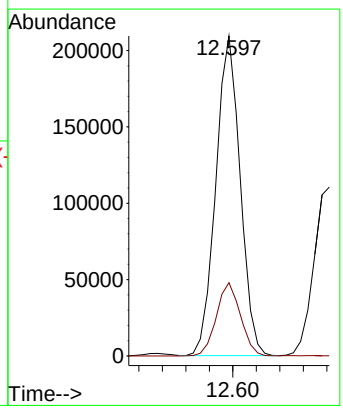
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

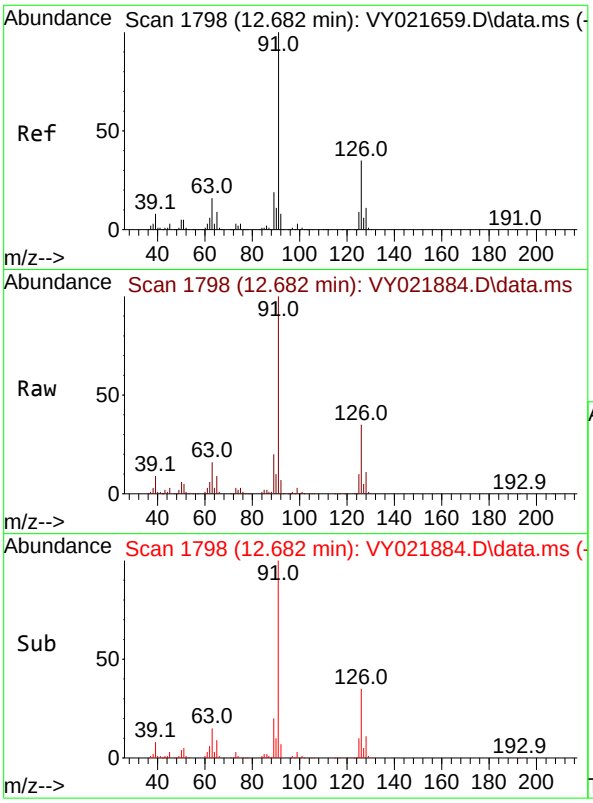


#78
n-propylbenzene
Concen: 19.144 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 91 Resp: 301255

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.9

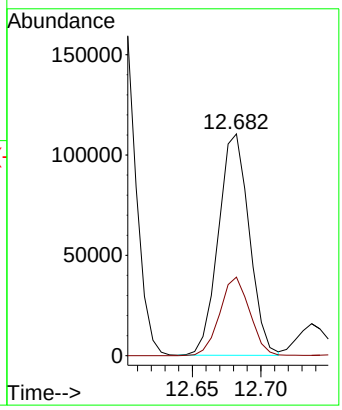




#79
2-Chlorotoluene
Concen: 18.899 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 91 Resp: 17273

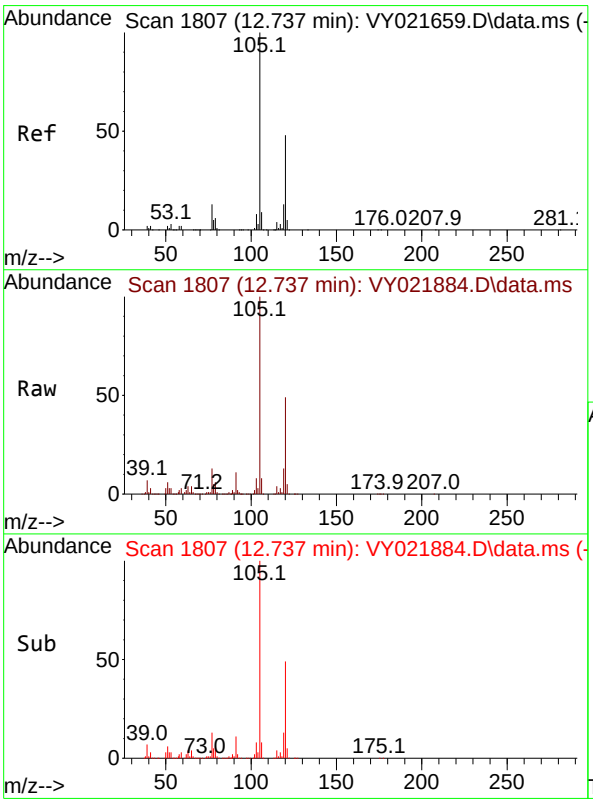
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

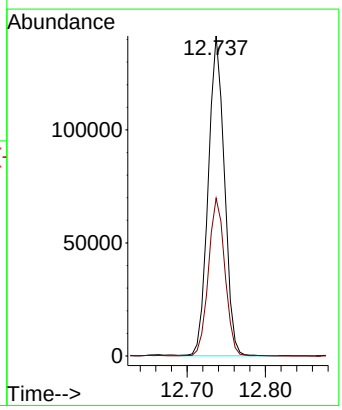
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

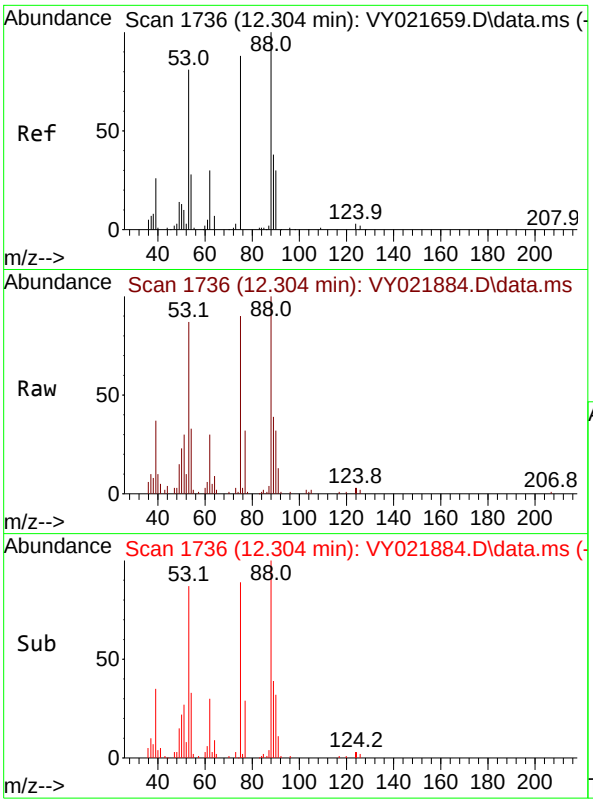


#80
1,3,5-Trimethylbenzene
Concen: 18.925 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:105 Resp: 202462

Ion	Ratio	Lower	Upper
105	100		
120	50.3	24.5	73.5

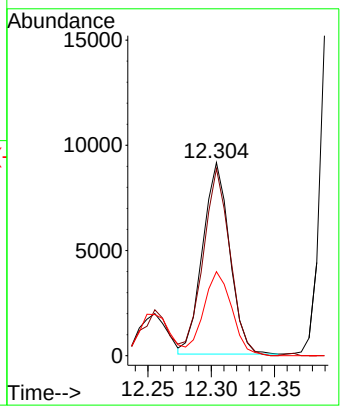




#81
trans-1,4-Dichloro-2-butene
Concen: 17.868 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 75 Resp: 1354

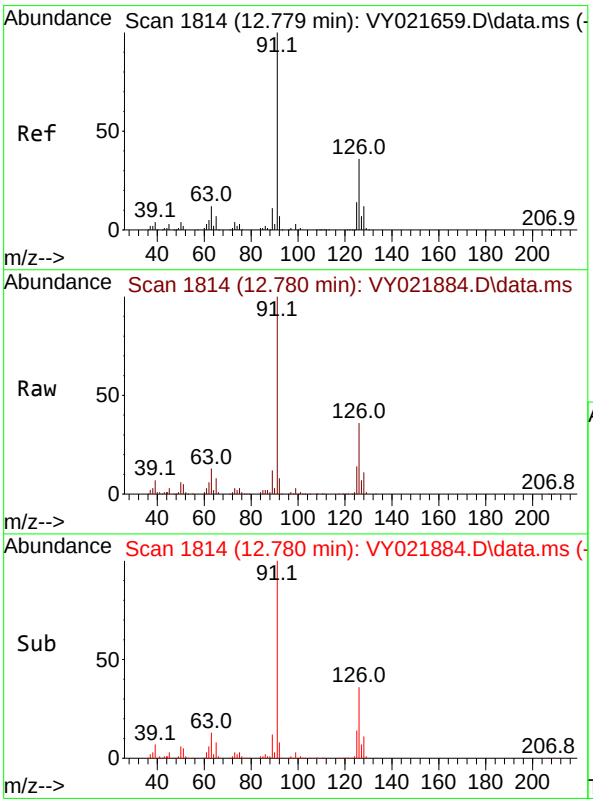
Ion	Ratio	Lower	Upper
75	100		
53	97.4	76.1	114.1
89	45.5	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

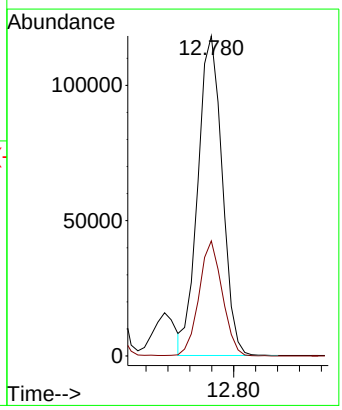
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

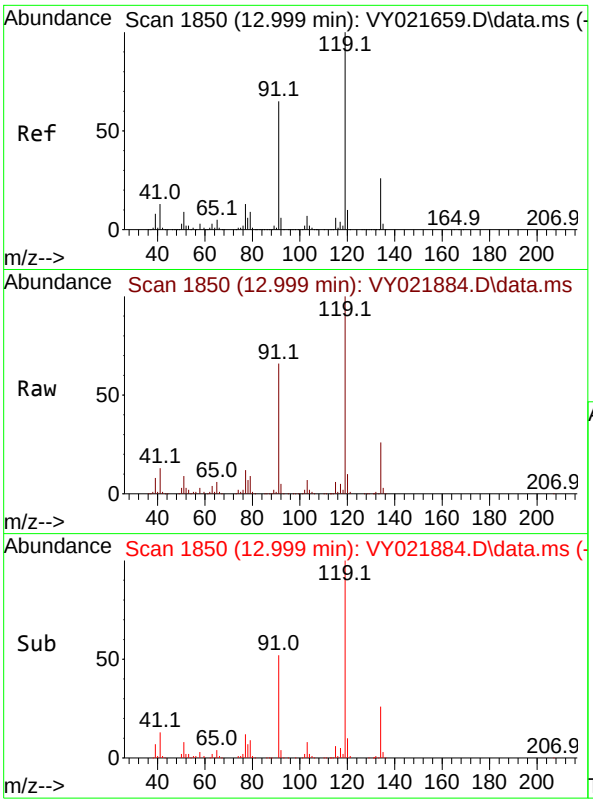


#82
4-Chlorotoluene
Concen: 19.099 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 91 Resp: 181990

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	50.9

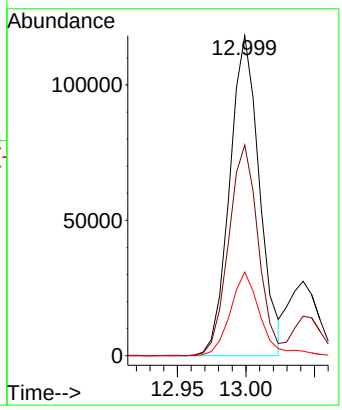




#83
tert-Butylbenzene
Concen: 18.728 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:119 Resp: 17845

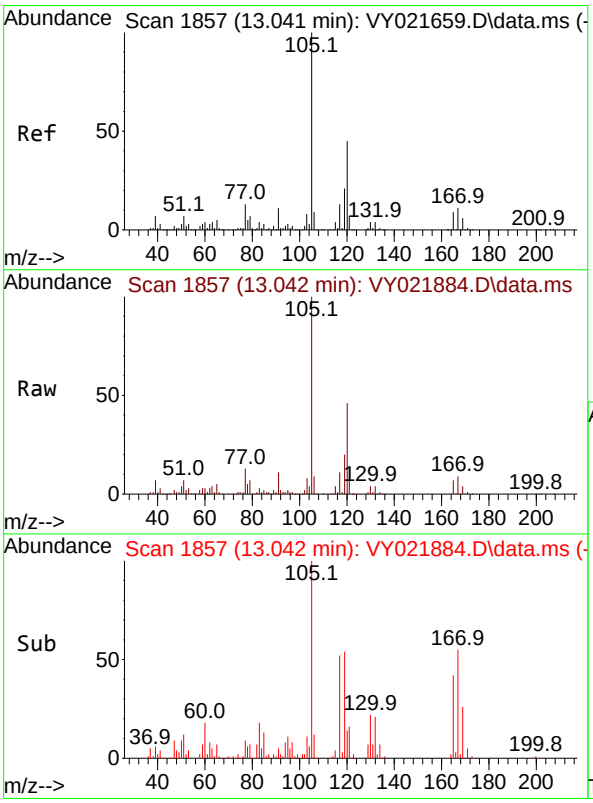
Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.6	97.7
134	26.5	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

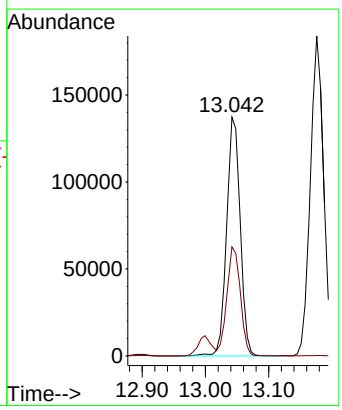
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

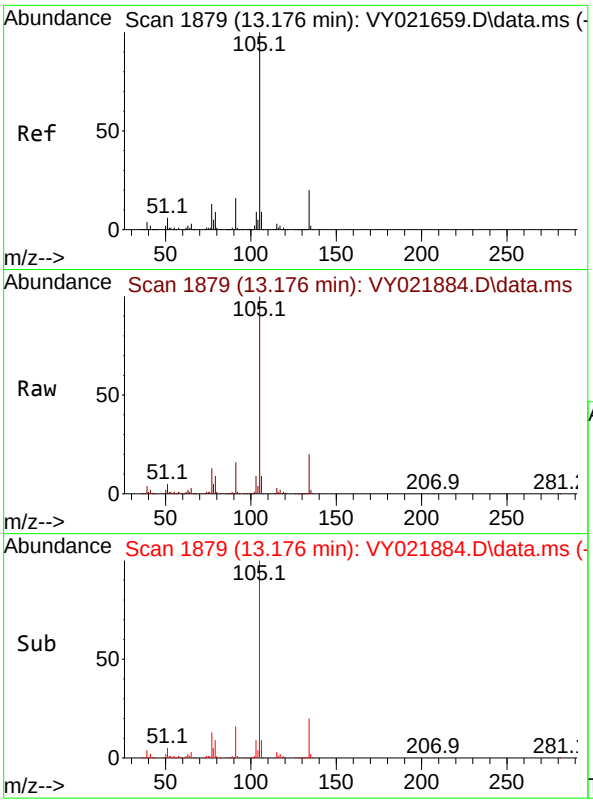


#84
1,2,4-Trimethylbenzene
Concen: 19.376 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:105 Resp: 204868

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.7	68.1

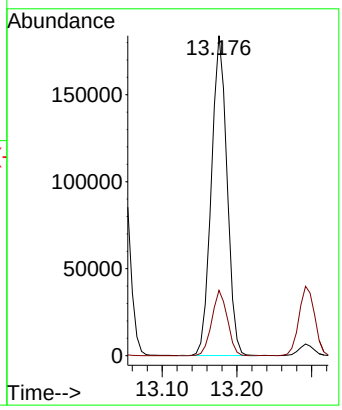




#85
sec-Butylbenzene
Concen: 19.192 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:105 Resp: 26725

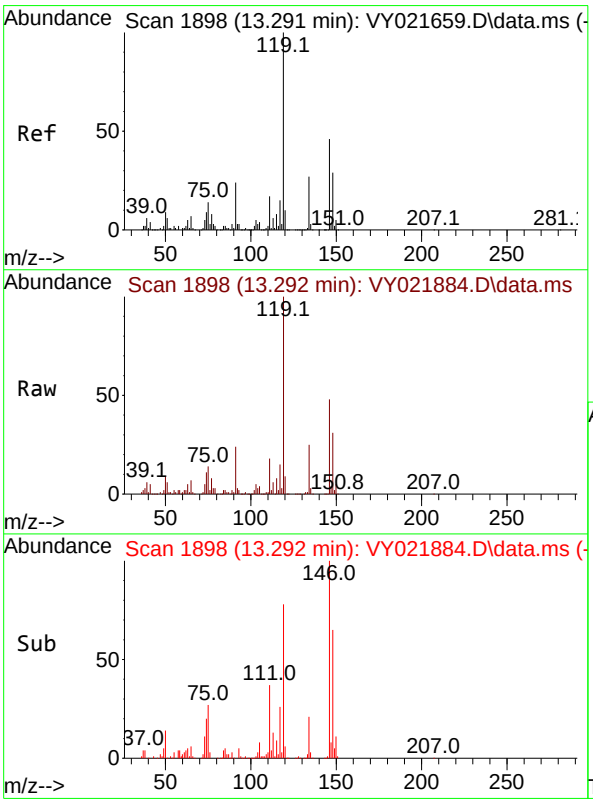
Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

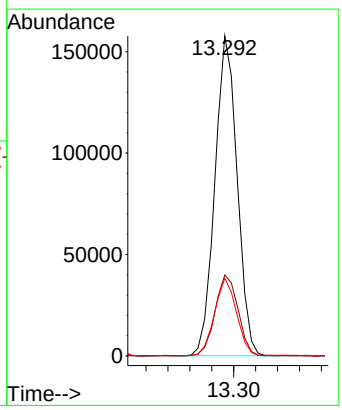
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

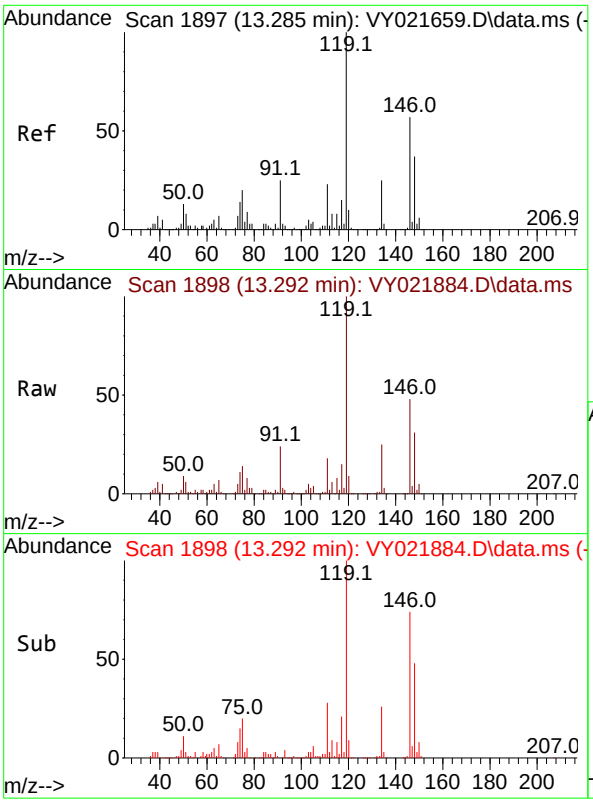


#86
p-Isopropyltoluene
Concen: 19.343 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:119 Resp: 222619

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.2	39.5
91	23.8	12.0	36.0

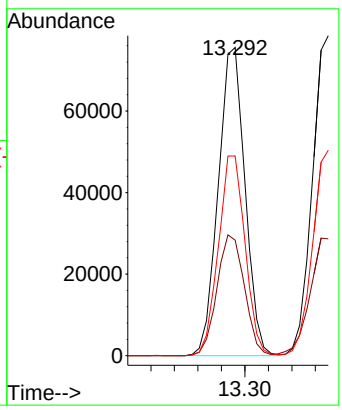




#87
1,3-Dichlorobenzene
Concen: 19.315 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:146 Resp: 11959

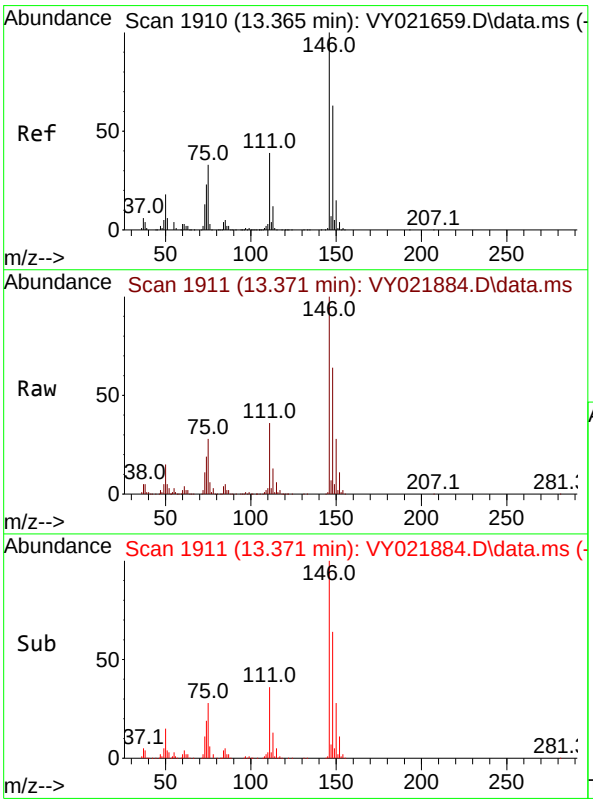
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.7	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

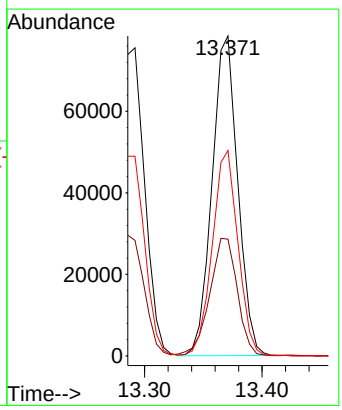
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

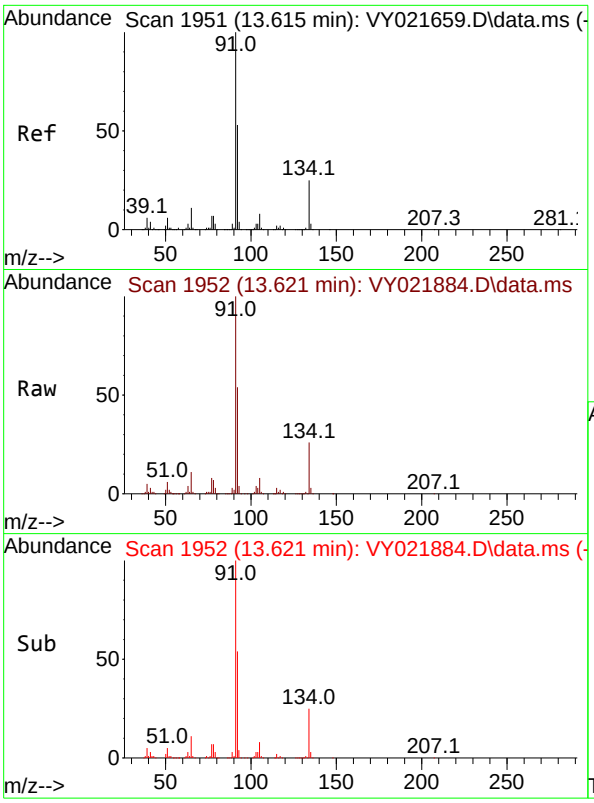


#88
1,4-Dichlorobenzene
Concen: 19.512 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:146 Resp: 119367

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.1	57.1
148	64.3	31.5	94.5

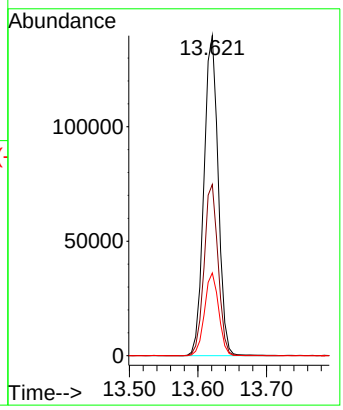




#89
n-Butylbenzene
Concen: 19.038 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 91 Resp: 20263

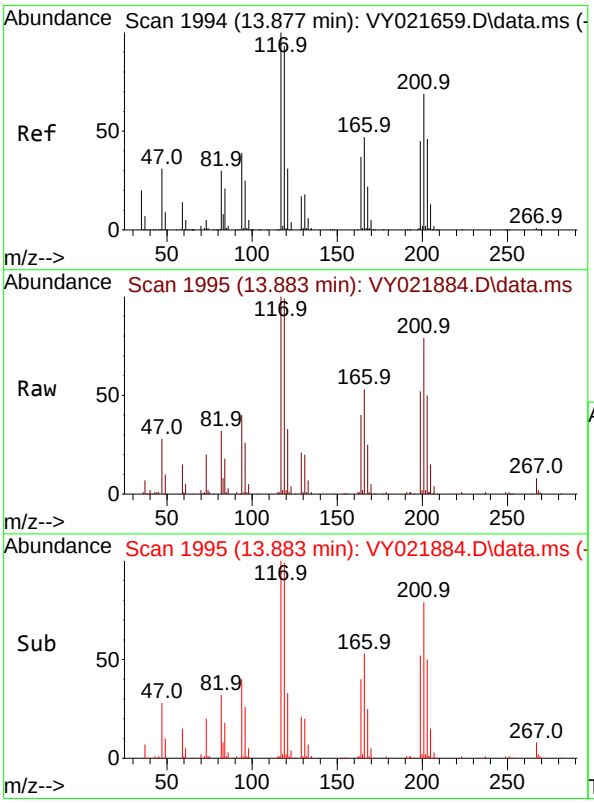
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.2
134	25.6	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

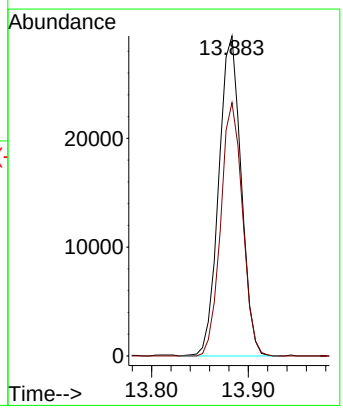
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

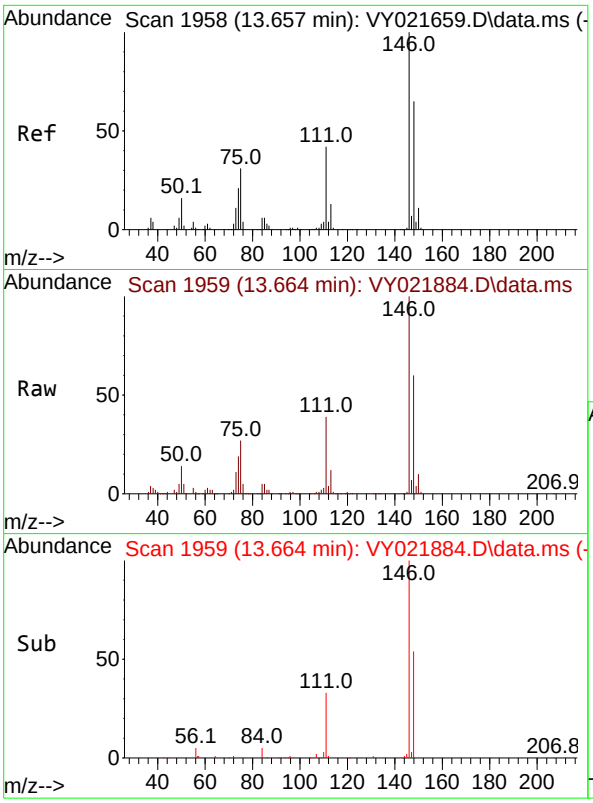


#90
Hexachloroethane
Concen: 18.687 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:117 Resp: 47131

Ion	Ratio	Lower	Upper
117	100		
201	77.1	37.4	112.1

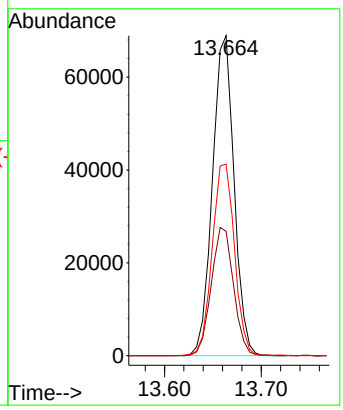




#91
1,2-Dichlorobenzene
Concen: 19.841 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:146 Resp: 10694

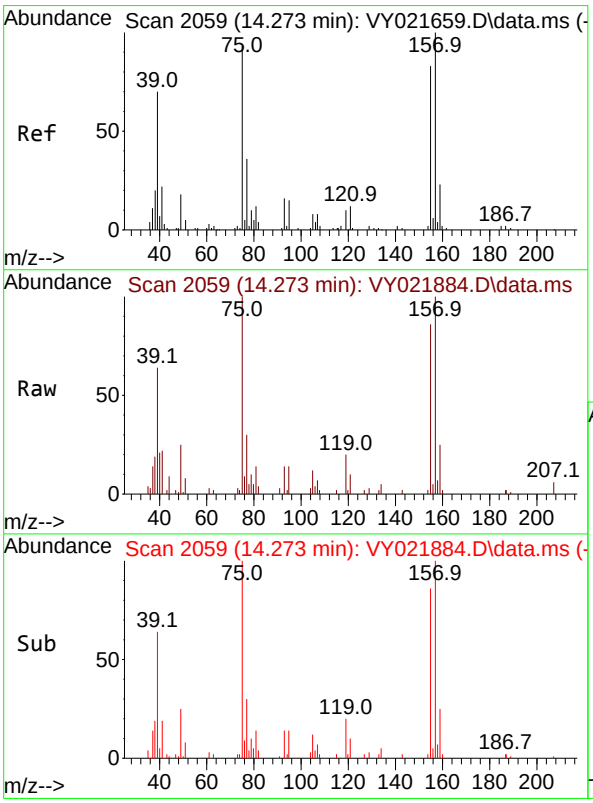
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	61.9	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

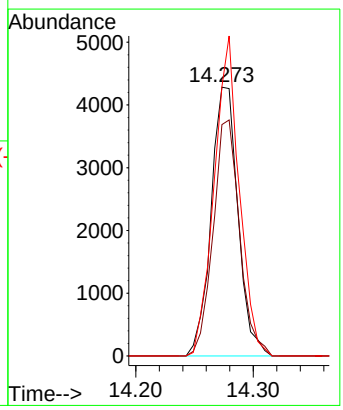
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

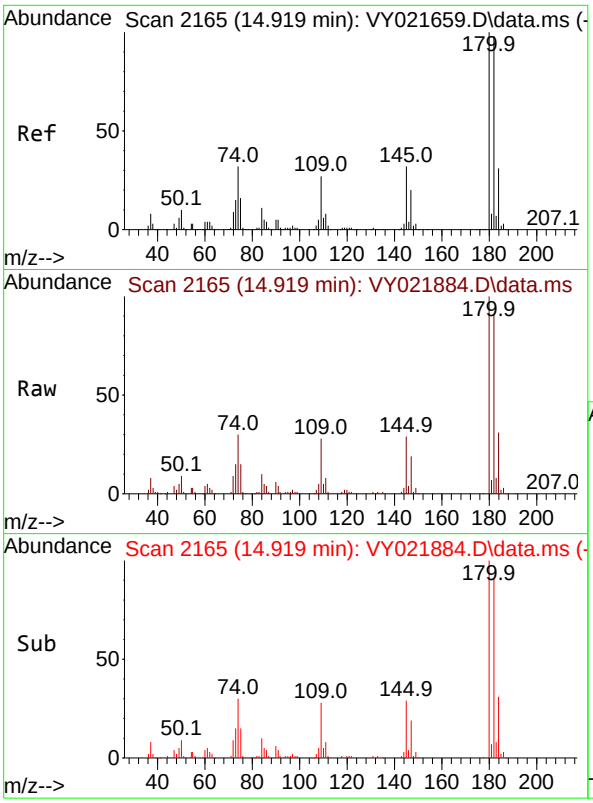


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.643 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion: 75 Resp: 6800

Ion	Ratio	Lower	Upper
75	100		
155	86.6	43.0	128.8
157	111.5	54.0	162.0

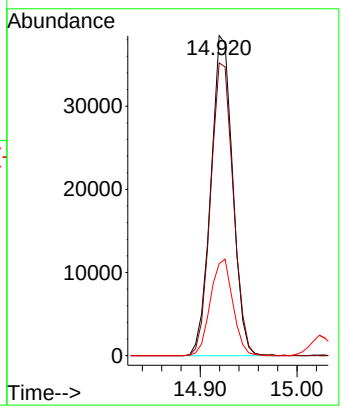




#93
1,2,4-Trichlorobenzene
Concen: 20.673 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:180 Resp: 6042

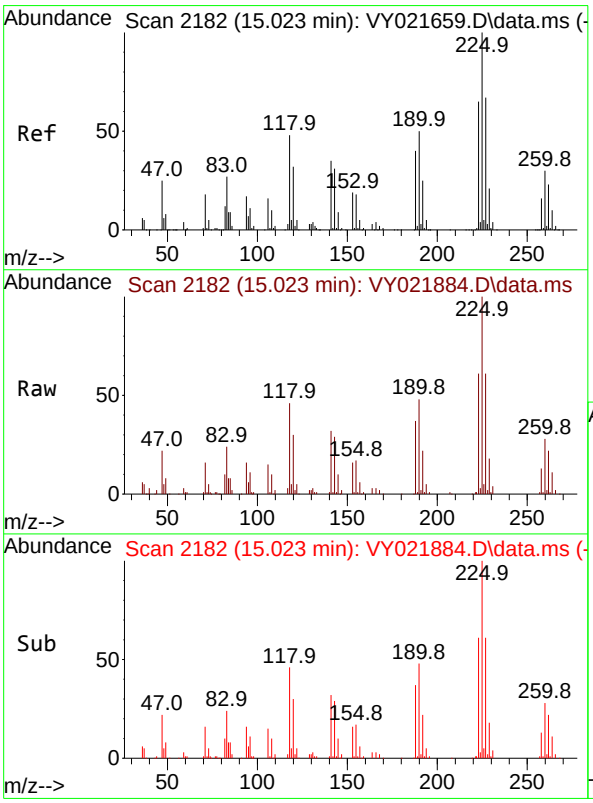
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.6
145	30.9	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

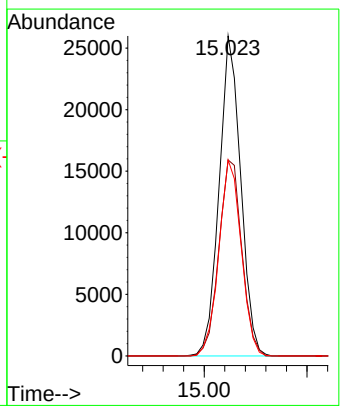
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

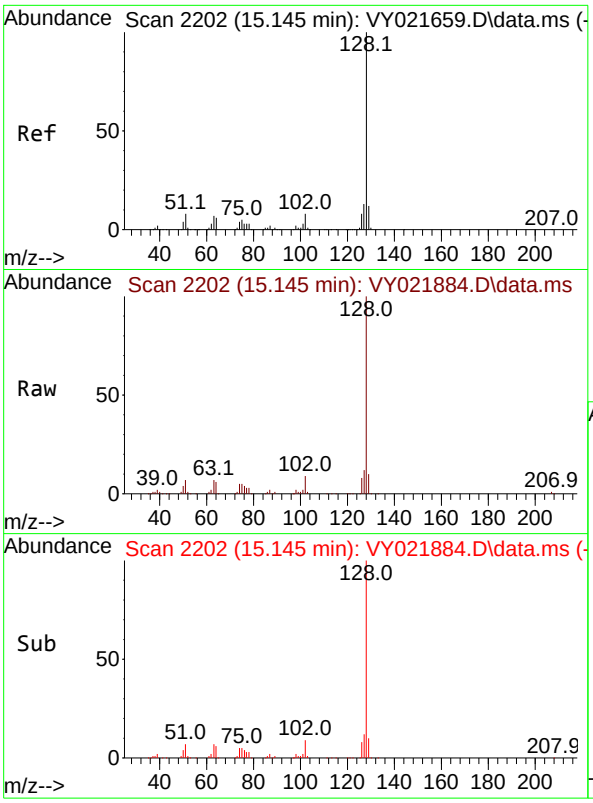


#94
Hexachlorobutadiene
Concen: 20.718 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:225 Resp: 37820

Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.9	95.7
227	63.3	32.4	97.0

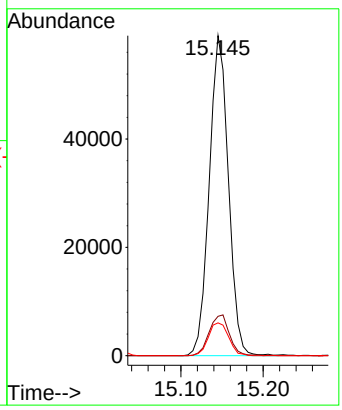




#95
Naphthalene
Concen: 19.729 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:128 Resp: 9558

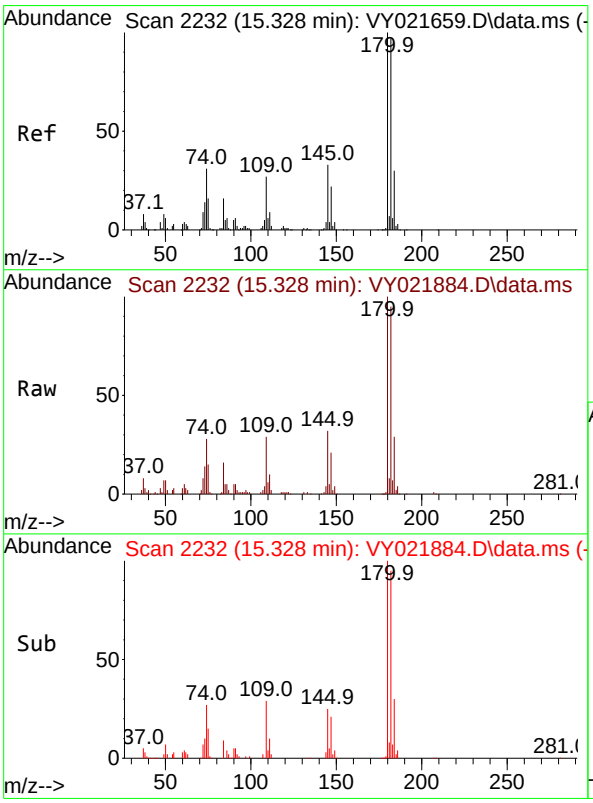
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	10.9	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBS01

Manual Integrations
APPROVED

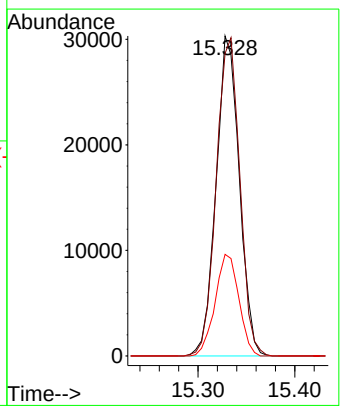
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.231 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021884.D
Acq: 15 Apr 2025 10:08

Tgt Ion:180 Resp: 50428

Ion	Ratio	Lower	Upper
180	100		
182	100.7	47.5	142.5
145	32.4	15.9	47.7



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0411WBSD01	SDG No.:	Q1790
Lab Sample ID:	VX0411WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045734.D	1		04/11/25 12:22	VX041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
79-01-6	Trichloroethene	18.4		0.090	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		77 - 121	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	84300	5.544			
540-36-3	1,4-Difluorobenzene	150000	6.757			
3114-55-4	Chlorobenzene-d5	132000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63200	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045734.D
Acq On : 11 Apr 2025 12:22
Operator : JC/MD
Sample : VX0411WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 23:04:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	84320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150272	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80683	52.324	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.640%			
35) Dibromofluoromethane	5.379	113	53111	49.814	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.620%			
50) Toluene-d8	8.647	98	183285	49.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.500%			
62) 4-Bromofluorobenzene	11.079	95	71699	52.894	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	24625	19.528	ug/l	98
3) Chloromethane	1.307	50	23327	18.007	ug/l	100
4) Vinyl Chloride	1.374	62	20906	17.634	ug/l	95
5) Bromomethane	1.593	94	9876	17.569	ug/l	99
6) Chloroethane	1.660	64	11924	18.957	ug/l	92
7) Trichlorofluoromethane	1.867	101	34101	19.289	ug/l	98
8) Diethyl Ether	2.130	74	11527	19.421	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	20130	19.431	ug/l	97
10) Methyl Iodide	2.441	142	22790	17.637	ug/l	99
11) Tert butyl alcohol	2.983	59	22438	108.275	ug/l	99
12) 1,1-Dichloroethene	2.306	96	18161	17.941	ug/l	98
13) Acrolein	2.233	56	27599	96.712	ug/l	99
14) Allyl chloride	2.654	41	36269	18.884	ug/l	99
15) Acrylonitrile	3.062	53	64772	99.016	ug/l	98
16) Acetone	2.386	43	63457	100.219	ug/l	98
17) Carbon Disulfide	2.502	76	36188	14.474	ug/l	98
18) Methyl Acetate	2.703	43	33397	22.909	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	72099	20.361	ug/l	99
20) Methylene Chloride	2.782	84	22948	19.359	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	19175	18.542	ug/l	94
22) Diisopropyl ether	3.763	45	74151	19.599	ug/l	97
23) Vinyl Acetate	3.721	43	320471	98.039	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41001	19.162	ug/l	99
25) 2-Butanone	4.556	43	95825	103.387	ug/l	98
26) 2,2-Dichloropropane	4.465	77	28763	20.806	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	23213	18.424	ug/l	96
28) Bromochloromethane	4.891	49	26597	25.723	ug/l	98
29) Tetrahydrofuran	5.007	42	59004	98.191	ug/l	99
30) Chloroform	5.086	83	43373	19.700	ug/l	93
31) Cyclohexane	5.464	56	34507	18.243	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	36032	19.341	ug/l	99
36) 1,1-Dichloropropene	5.684	75	26656	18.517	ug/l	97
37) Ethyl Acetate	4.715	43	35089	19.342	ug/l	98
38) Carbon Tetrachloride	5.672	117	29414	18.906	ug/l	93
39) Methylcyclohexane	7.379	83	32952	18.674	ug/l	96
40) Benzene	6.031	78	82159	18.687	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045734.D
Acq On : 11 Apr 2025 12:22
Operator : JC/MD
Sample : VX0411WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 23:04:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.916	41	19564	20.439 ug/l		97
42) 1,2-Dichloroethane	6.080	62	36989	20.370 ug/l		99
43) Isopropyl Acetate	6.342	43	55460	20.170 ug/l		99
44) Trichloroethene	7.123	130	19251	18.422 ug/l		99
45) 1,2-Dichloropropane	7.427	63	21096	19.231 ug/l		93
46) Dibromomethane	7.574	93	16560	19.665 ug/l		97
47) Bromodichloromethane	7.818	83	32810	19.510 ug/l		97
48) Methyl methacrylate	7.696	41	28607	20.151 ug/l		99
49) 1,4-Dioxane	7.659	88	11098	432.076 ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	195029	106.998 ug/l		99
52) Toluene	8.714	92	50898	19.132 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27223	18.352 ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	31424	19.884 ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	21082	19.886 ug/l		97
56) Ethyl methacrylate	9.116	69	34367	20.947 ug/l		99
57) 1,3-Dichloropropane	9.305	76	38320	20.758 ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	91986	110.832 ug/l		100
59) 2-Hexanone	9.427	43	143752	106.500 ug/l		99
60) Dibromochloromethane	9.519	129	22170	19.183 ug/l		100
61) 1,2-Dibromoethane	9.610	107	21539	20.071 ug/l		100
64) Tetrachloroethene	9.269	164	17919	19.248 ug/l		97
65) Chlorobenzene	10.079	112	55155	19.575 ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	18774	19.192 ug/l		99
67) Ethyl Benzene	10.189	91	98437	19.506 ug/l		98
68) m/p-Xylenes	10.299	106	71463	38.936 ug/l		98
69) o-Xylene	10.640	106	35702	19.746 ug/l		98
70) Styrene	10.653	104	60067	20.128 ug/l		99
71) Bromoform	10.799	173	13766	18.847 ug/l	#	97
73) Isopropylbenzene	10.957	105	95325	18.828 ug/l		99
74) N-amyl acetate	10.841	43	47908	19.782 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	33971	19.101 ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	29944m	19.422 ug/l		
77) Bromobenzene	11.195	156	21636	18.496 ug/l		99
78) n-propylbenzene	11.305	91	109219	18.729 ug/l		100
79) 2-Chlorotoluene	11.360	91	70992	19.042 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	82413	19.685 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	7708	16.968 ug/l		89
82) 4-Chlorotoluene	11.451	91	79146	19.041 ug/l		100
83) tert-Butylbenzene	11.713	119	81006	19.544 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	81630	19.427 ug/l		99
85) sec-Butylbenzene	11.890	105	100015	19.646 ug/l		99
86) p-Isopropyltoluene	12.006	119	80710	19.230 ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	39819	18.700 ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	40207	18.625 ug/l		97
89) n-Butylbenzene	12.329	91	70013	19.237 ug/l		98
90) Hexachloroethane	12.536	117	12972	17.984 ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	41172	19.448 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7559	20.323 ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	23156	19.650 ug/l		95
94) Hexachlorobutadiene	13.725	225	9675	19.053 ug/l		98
95) Naphthalene	13.774	128	87280	19.903 ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	23791	19.280 ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045734.D
Acq On : 11 Apr 2025 12:22
Operator : JC/MD
Sample : VX0411WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 23:04:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

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

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

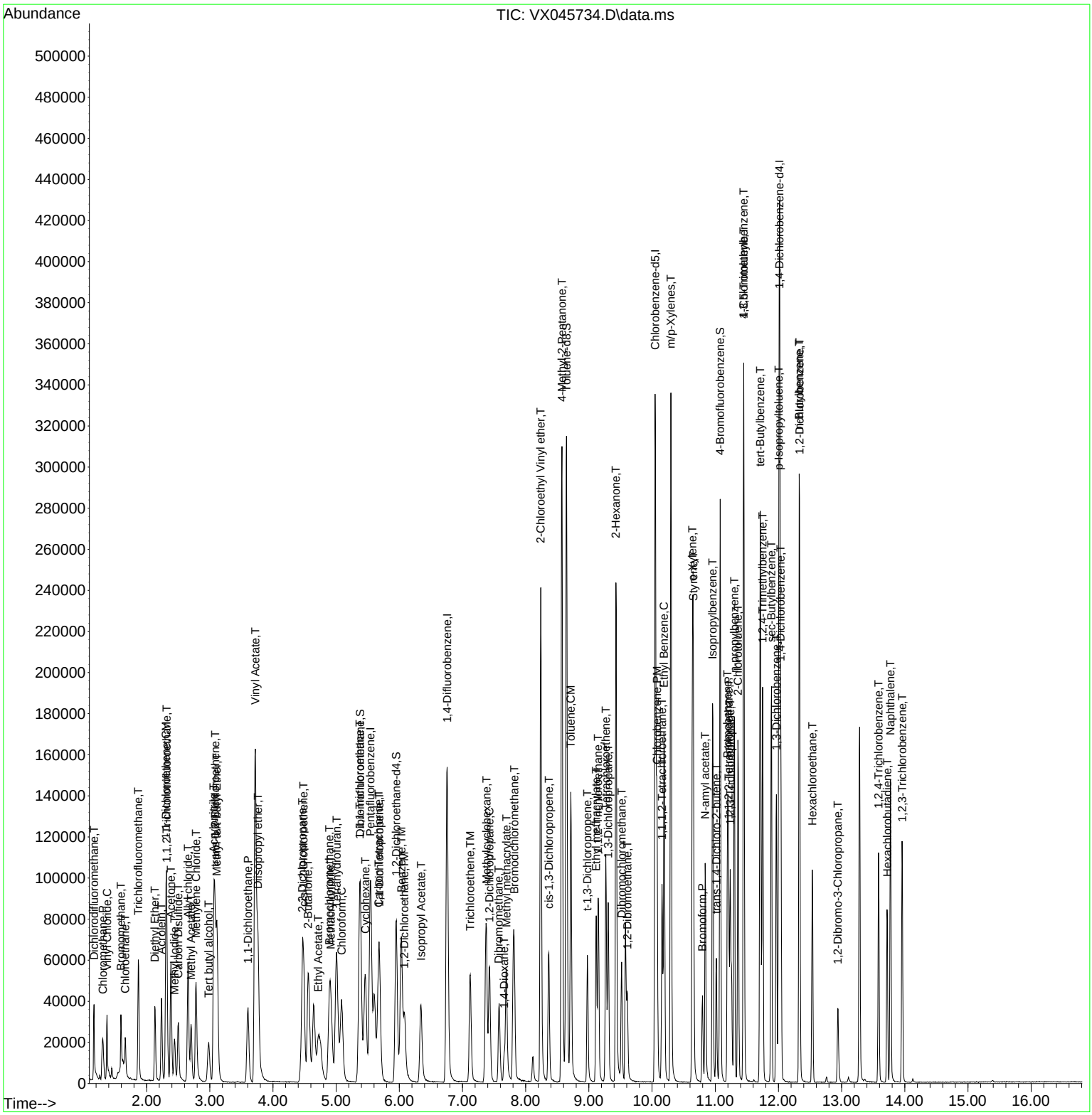
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
Data File : VX045734.D
Acq On : 11 Apr 2025 12:22
Operator : JC/MD
Sample : VX0411WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

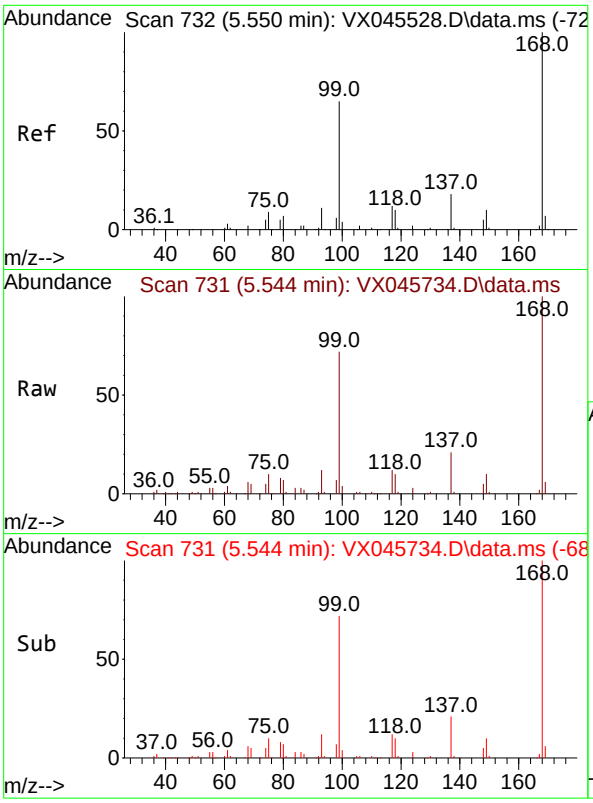
Quant Time: Apr 11 23:04:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

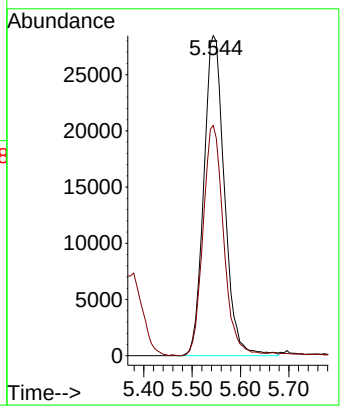




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:168 Resp: 8432

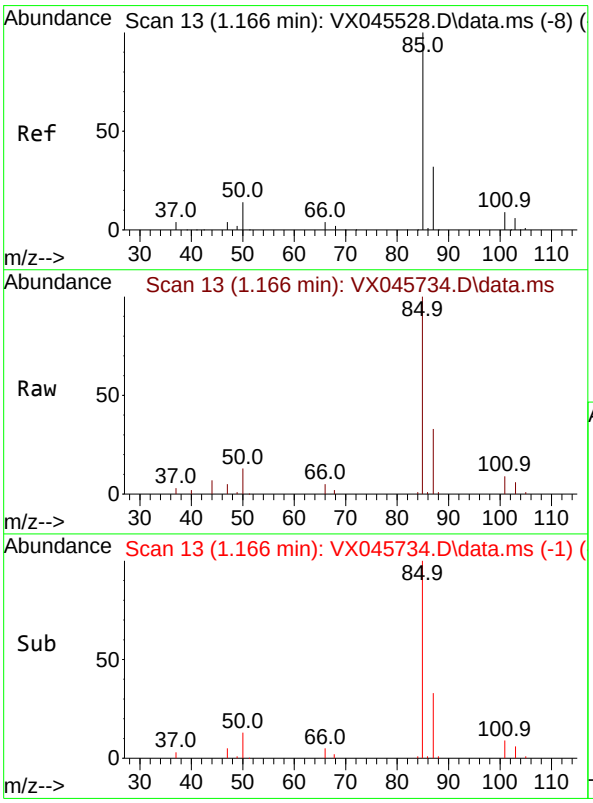
Ion	Ratio	Lower	Upper
168	100		
99	72.0	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

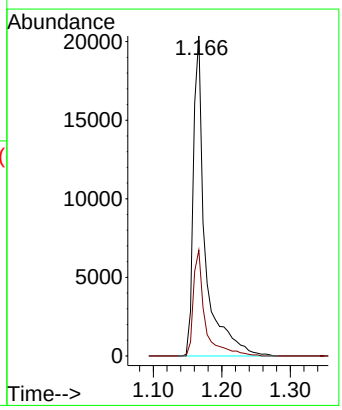
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

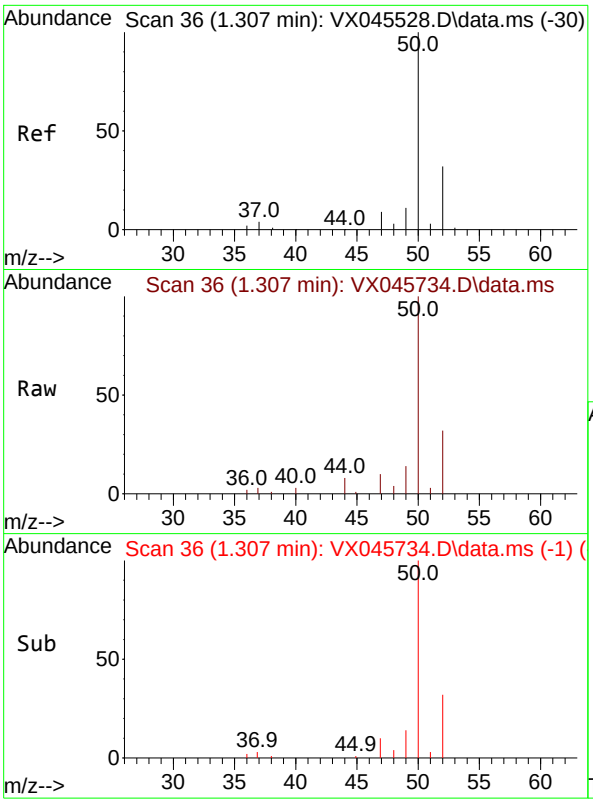


#2
Dichlorodifluoromethane
Concen: 19.528 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 85 Resp: 24625

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.1	48.2

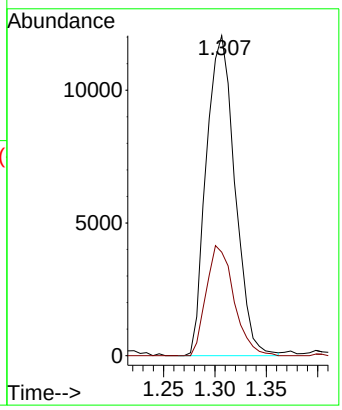




#3
Chloromethane
Concen: 18.007 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 50 Resp: 2332

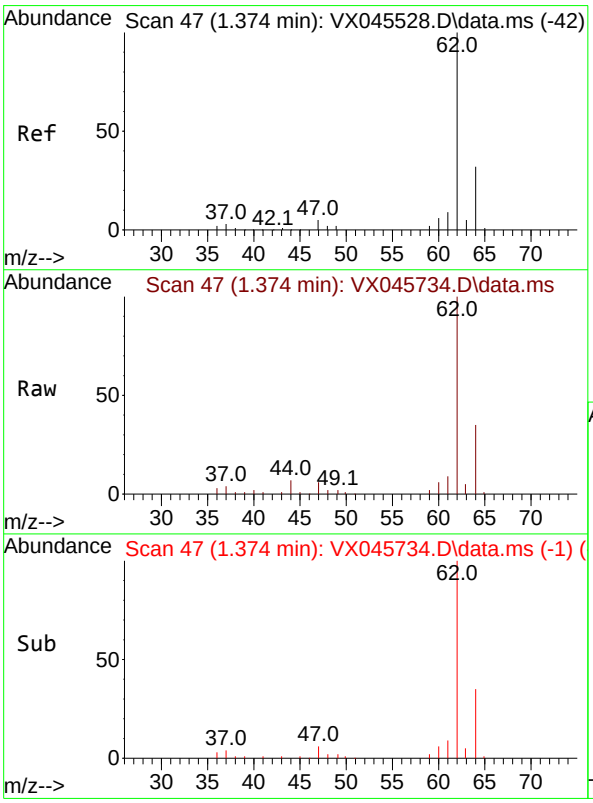
Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

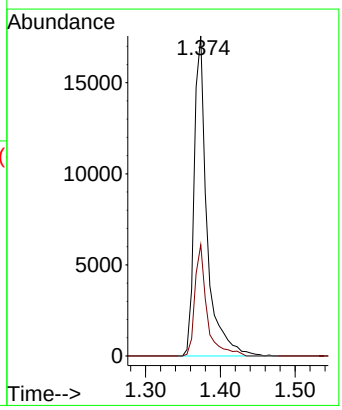
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

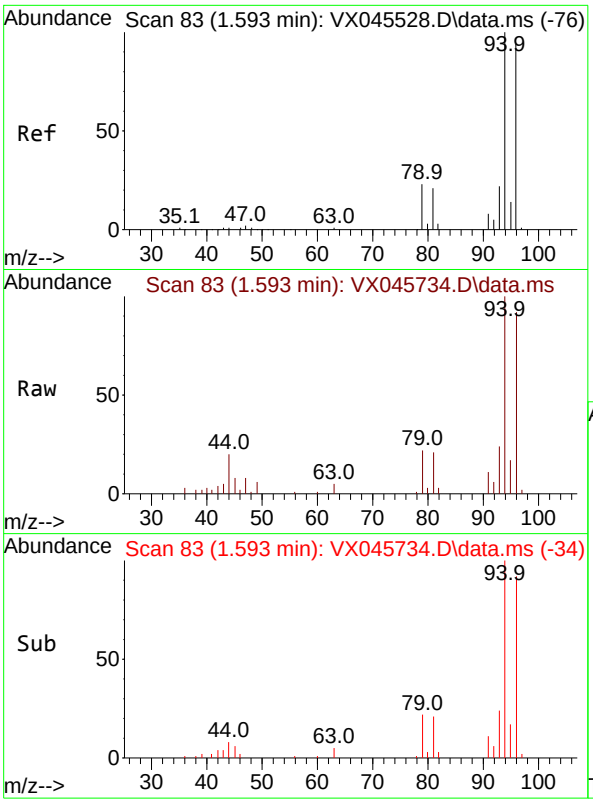


#4
Vinyl Chloride
Concen: 17.634 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 62 Resp: 20906

Ion	Ratio	Lower	Upper
62	100		
64	34.7	25.5	38.3

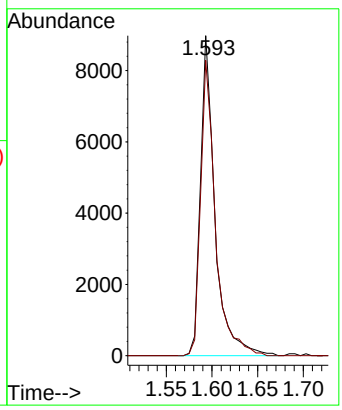




#5
Bromomethane
Concen: 17.569 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 94 Resp: 987

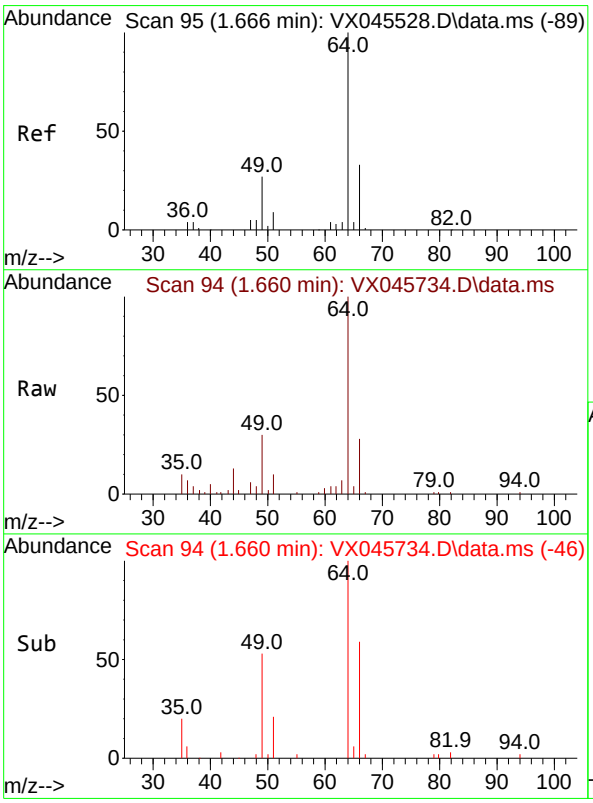
Ion	Ratio	Lower	Upper
94	100		
96	92.3	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

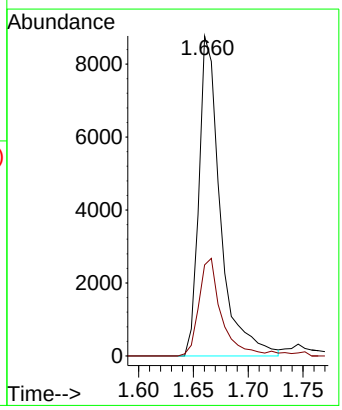
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

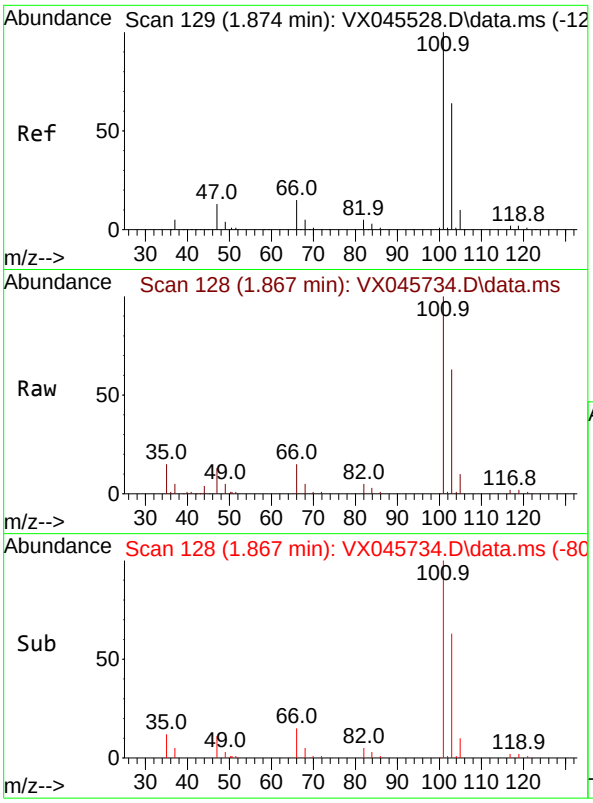


#6
Chloroethane
Concen: 18.957 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 64 Resp: 11924

Ion	Ratio	Lower	Upper
64	100		
66	28.4	26.3	39.5

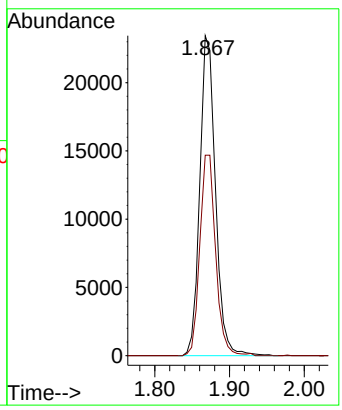




#7
Trichlorofluoromethane
Concen: 19.289 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:101 Resp: 3410

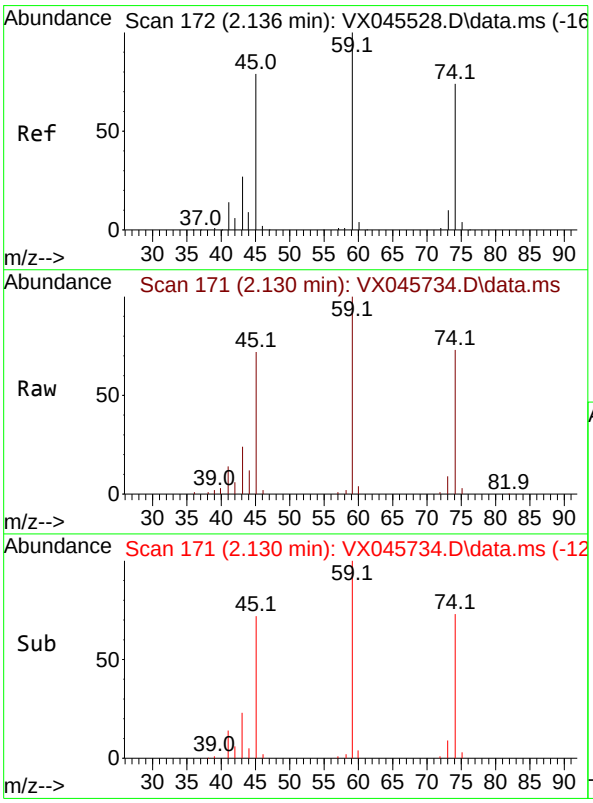
Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

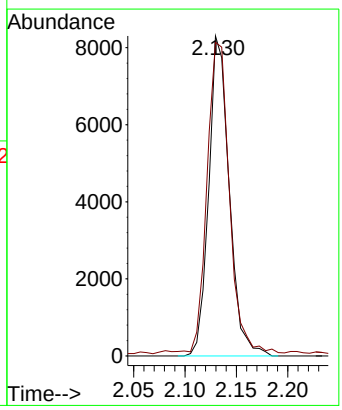
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

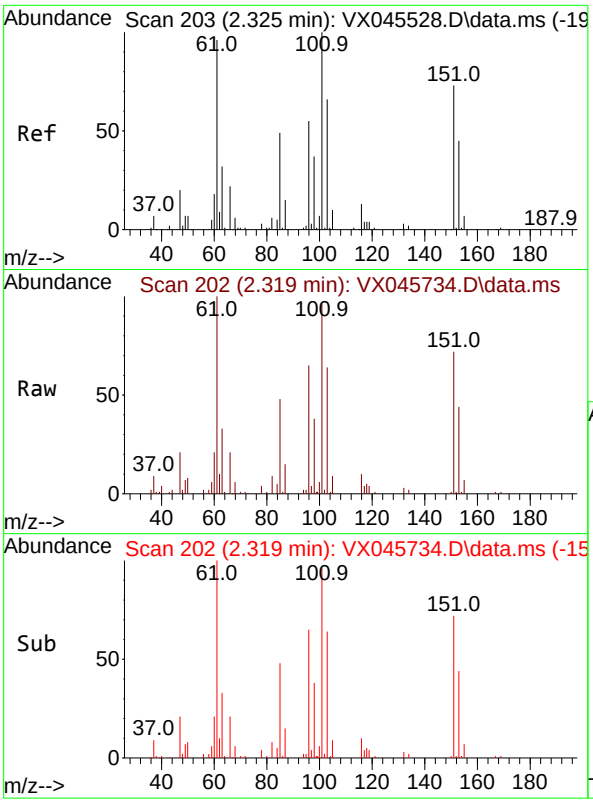


#8
Diethyl Ether
Concen: 19.421 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 74 Resp: 11527

Ion	Ratio	Lower	Upper
74	100		
45	104.9	53.0	159.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.431 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

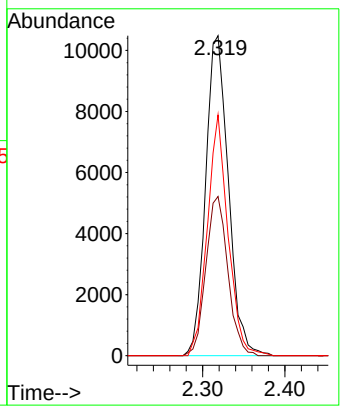
Tgt Ion:101 Resp: 2013

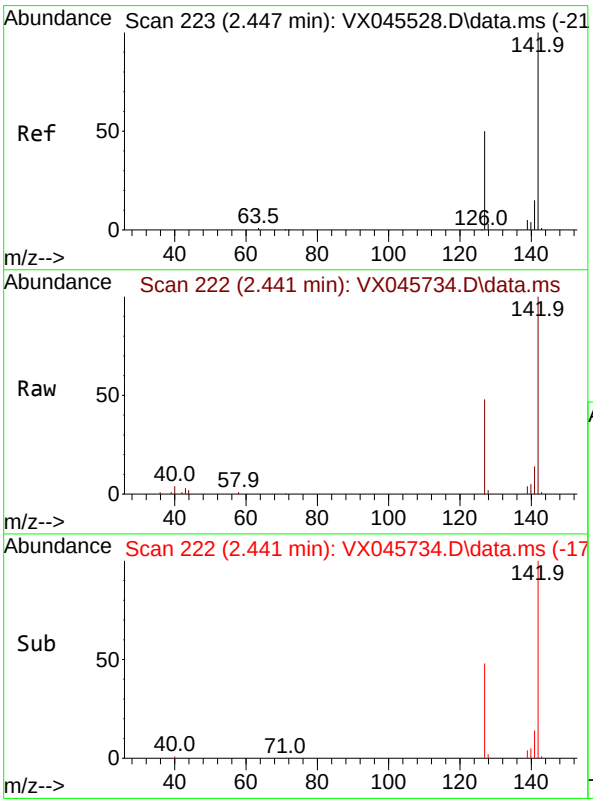
Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.9	58.3
151	68.5	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

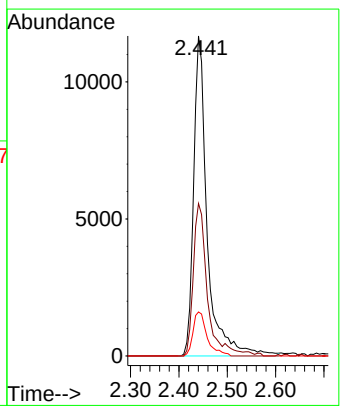


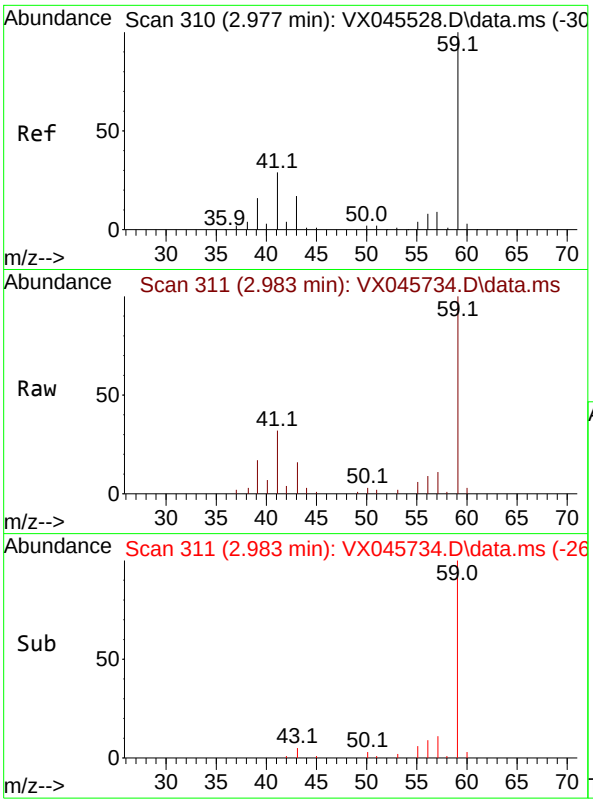


#10
Methyl Iodide
Concen: 17.637 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:142 Resp: 22790

Ion	Ratio	Lower	Upper
142	100		
127	49.6	40.2	60.4
141	14.2	11.7	17.5

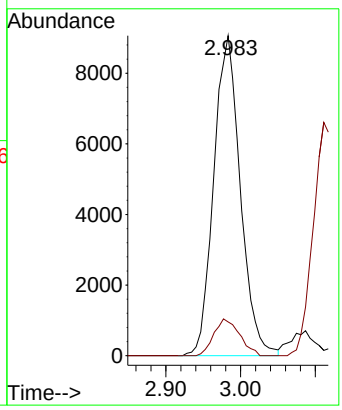




#11
Tert butyl alcohol
Concen: 108.275 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 59 Resp: 2243

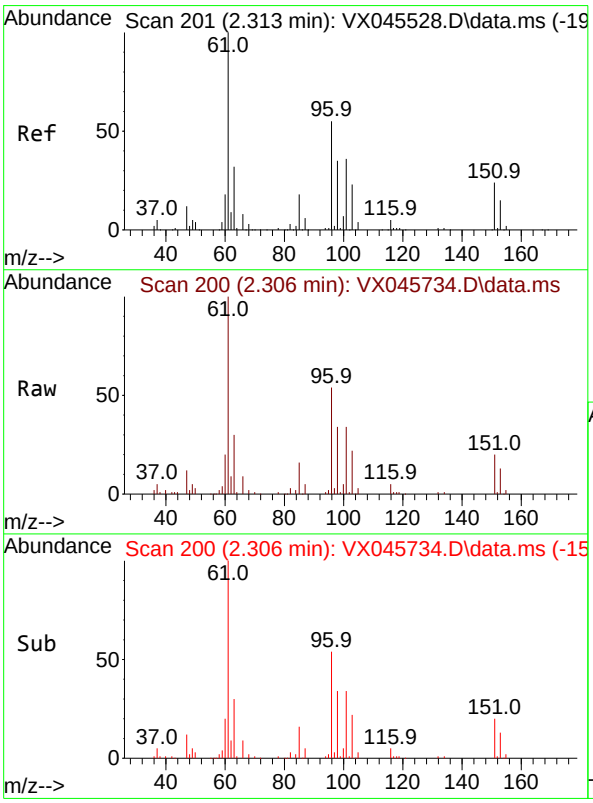
Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

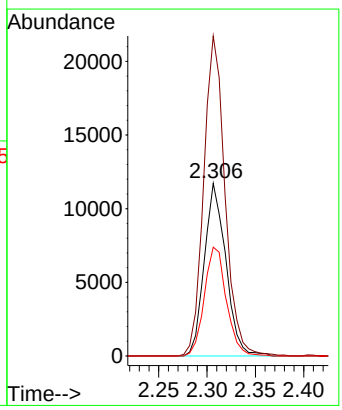
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

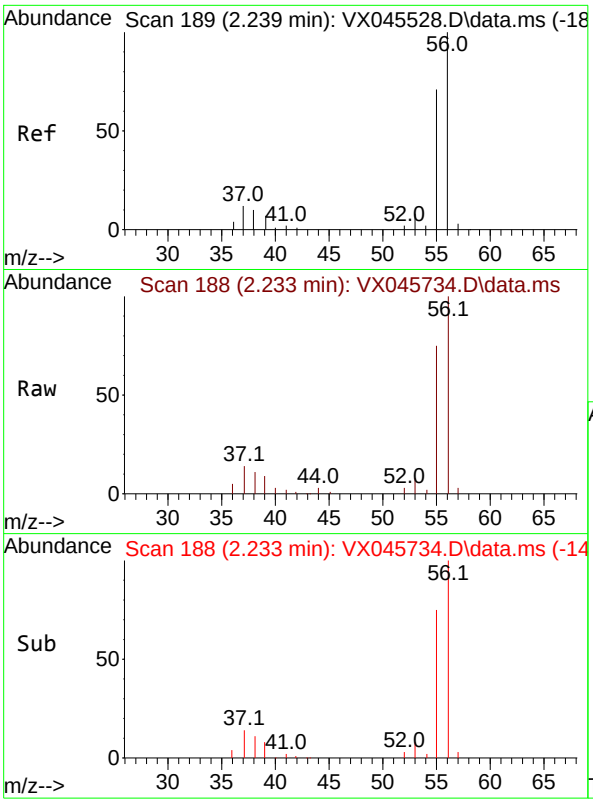


#12
1,1-Dichloroethene
Concen: 17.941 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 96 Resp: 18161

Ion	Ratio	Lower	Upper
96	100		
61	185.3	145.7	218.5
98	63.0	51.6	77.4

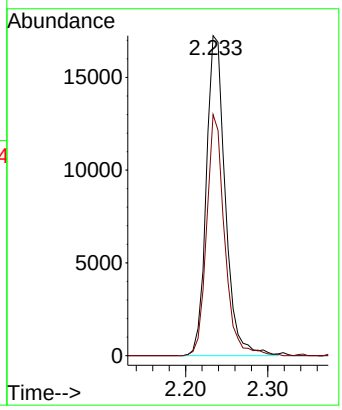




#13
Acrolein
Concen: 96.712 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 56 Resp: 2759

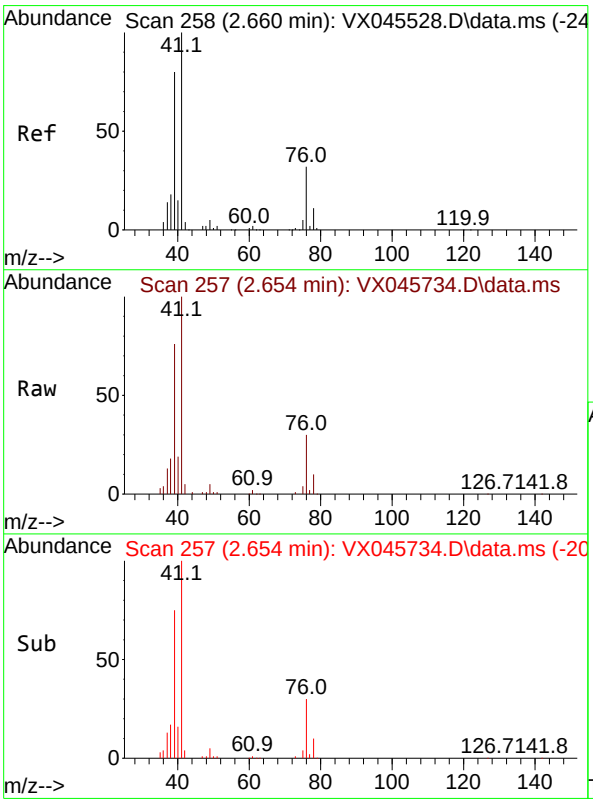
Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

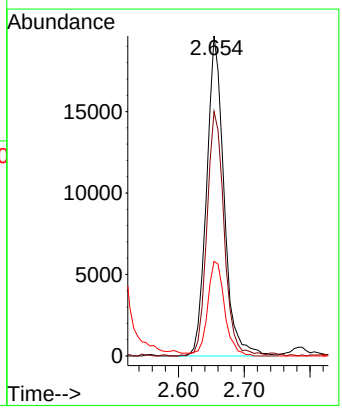
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

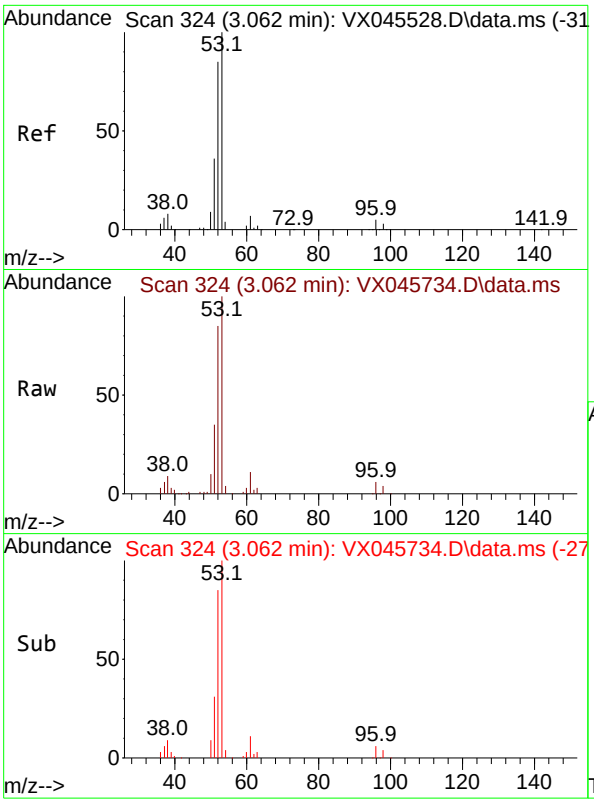


#14
Allyl chloride
Concen: 18.884 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 41 Resp: 36269

Ion	Ratio	Lower	Upper
41	100		
39	75.2	60.2	90.2
76	28.8	24.6	36.8

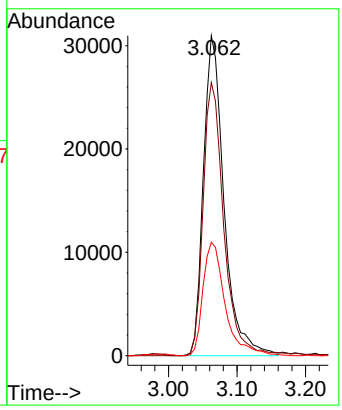




#15
Acrylonitrile
Concen: 99.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 53 Resp: 6477

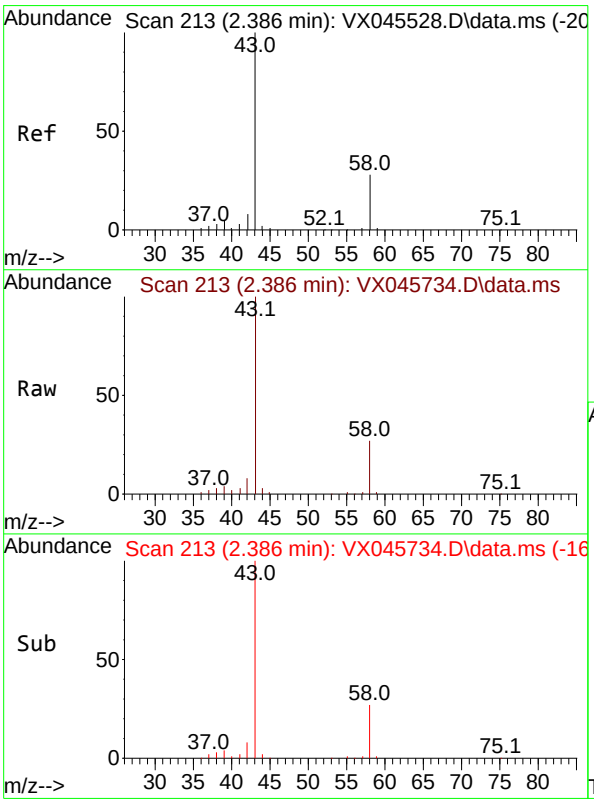
Ion	Ratio	Lower	Upper
53	100		
52	85.9	67.4	101.2
51	38.1	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

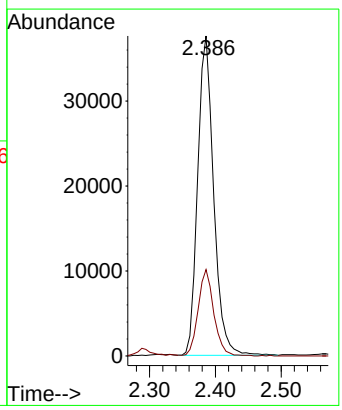
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

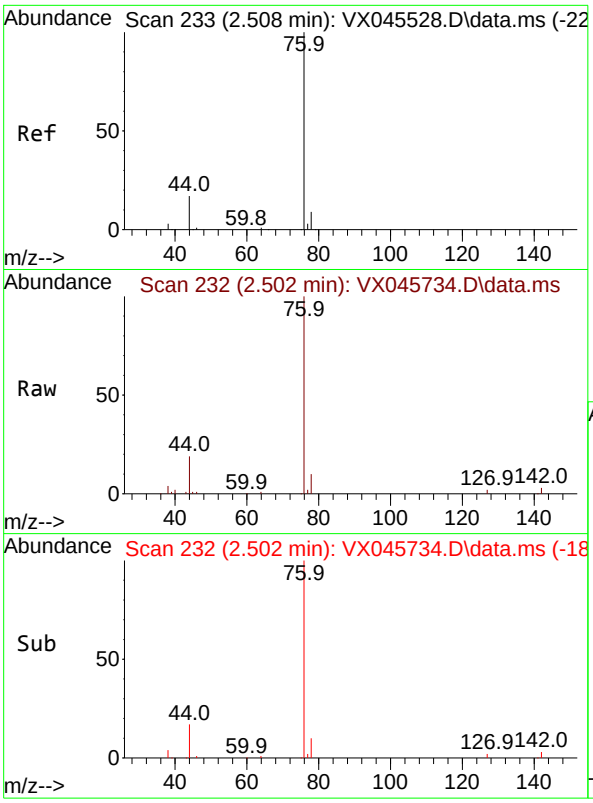


#16
Acetone
Concen: 100.219 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 63457

Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.3	33.5

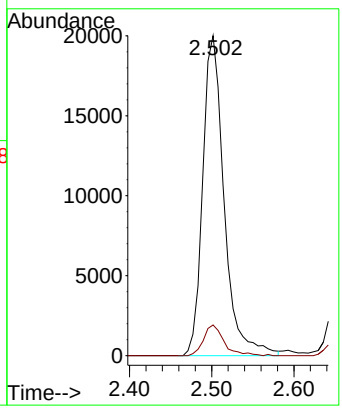




#17
Carbon Disulfide
Concen: 14.474 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 76 Resp: 3618

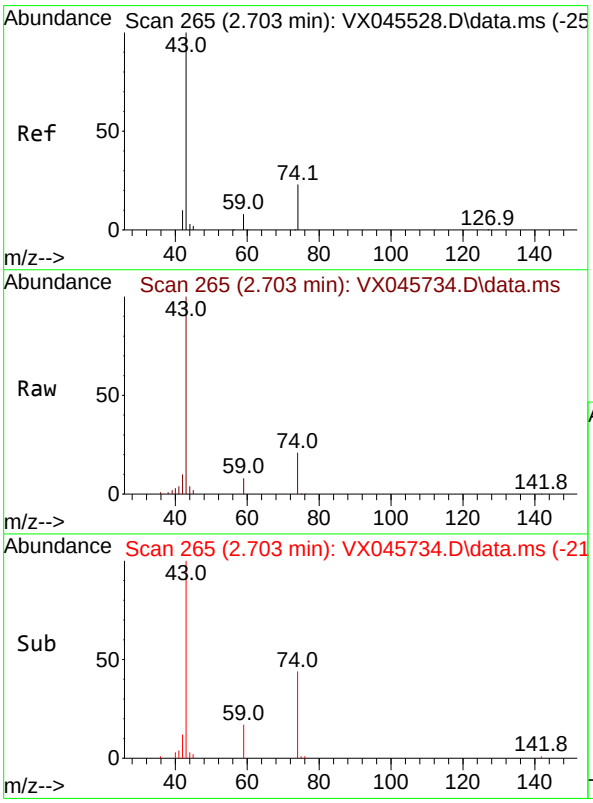
Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

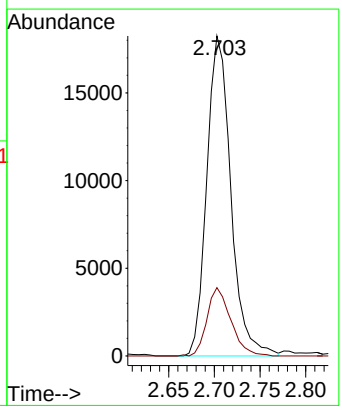
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

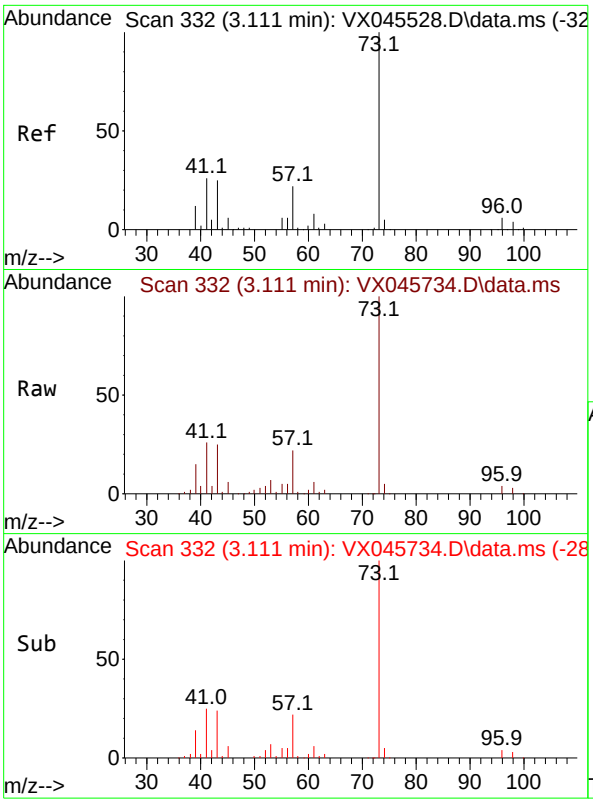


#18
Methyl Acetate
Concen: 22.909 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 33397

Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.5	26.3

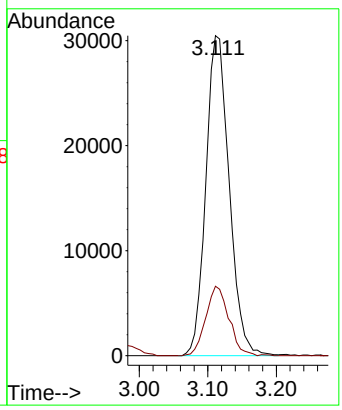




#19
Methyl tert-butyl Ether
Concen: 20.361 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 73 Resp: 7209

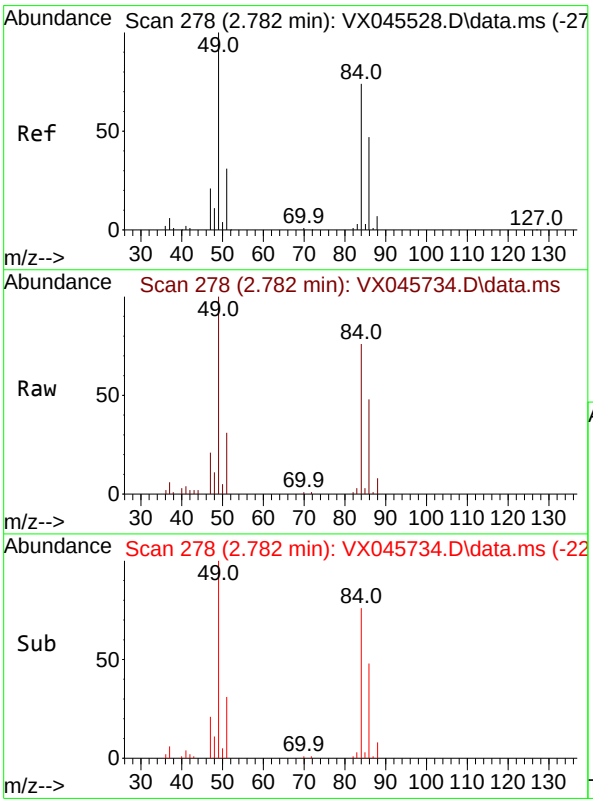
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
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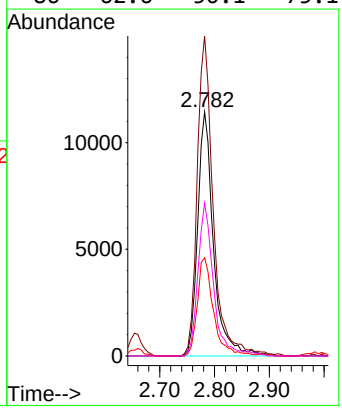
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

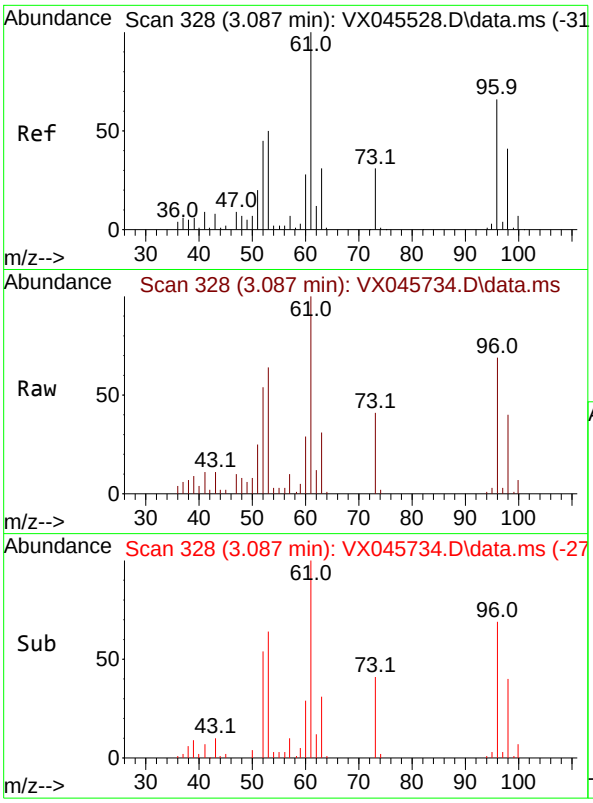


#20
Methylene Chloride
Concen: 19.359 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 84 Resp: 22948

Ion	Ratio	Lower	Upper
84	100		
49	131.1	107.5	161.3
51	40.3	33.0	49.6
86	62.6	50.1	75.1

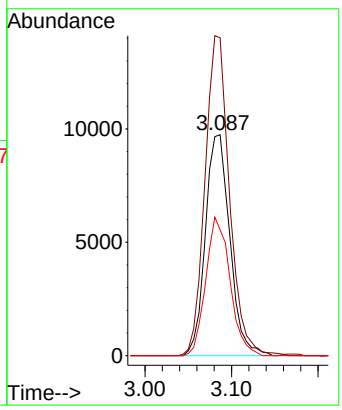




#21
trans-1,2-Dichloroethene
Concen: 18.542 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 96 Resp: 1917

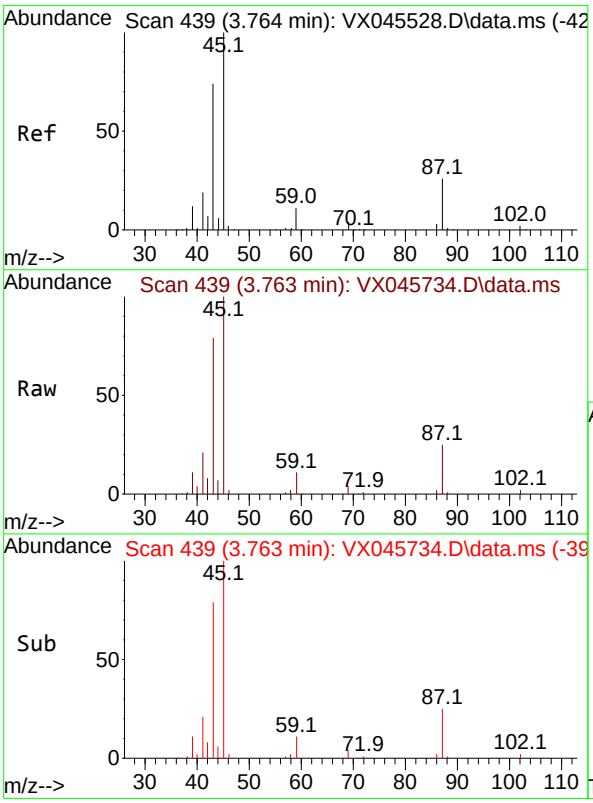
Ion	Ratio	Lower	Upper
96	100		
61	143.9	121.0	181.6
98	56.9	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

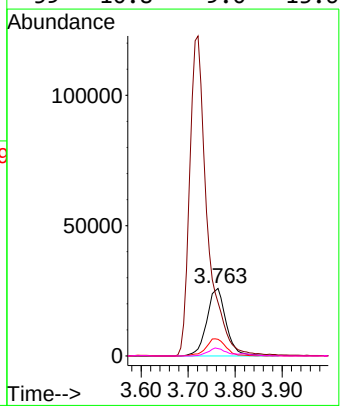
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

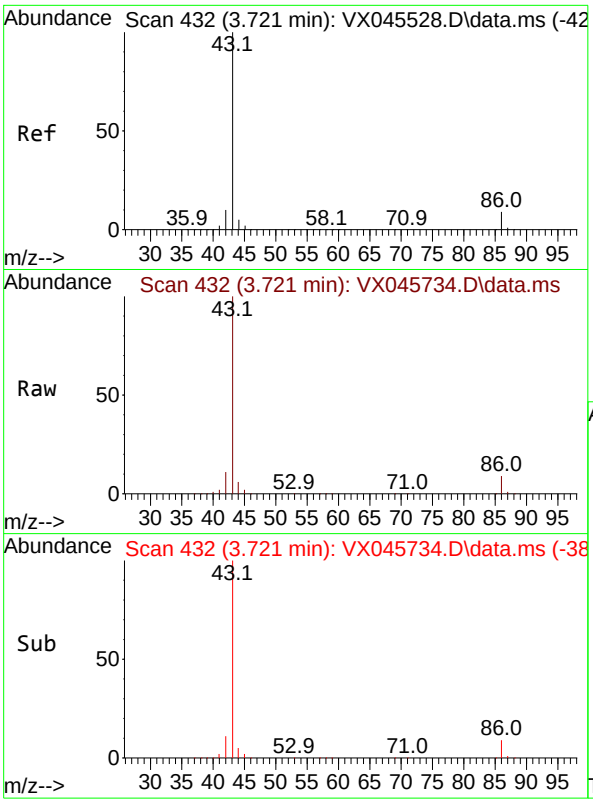


#22
Diisopropyl ether
Concen: 19.599 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 45 Resp: 74151

Ion	Ratio	Lower	Upper
45	100		
43	77.6	59.3	88.9
87	24.7	20.4	30.6
59	10.8	9.0	13.6





#23
Vinyl Acetate
Concen: 98.039 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

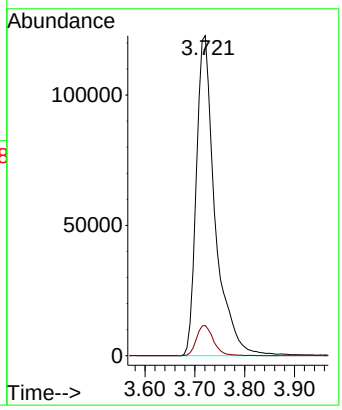
Tgt Ion: 43 Resp: 32047

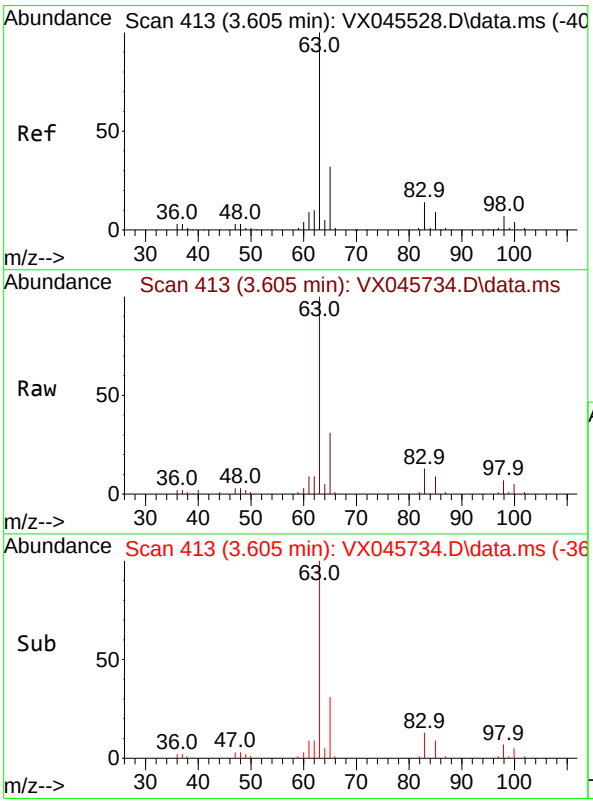
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

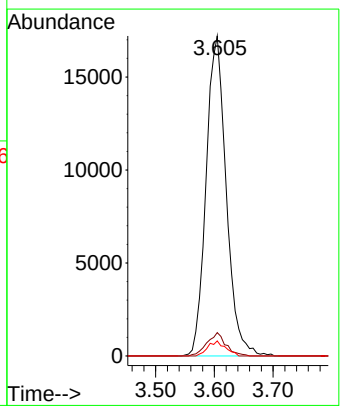


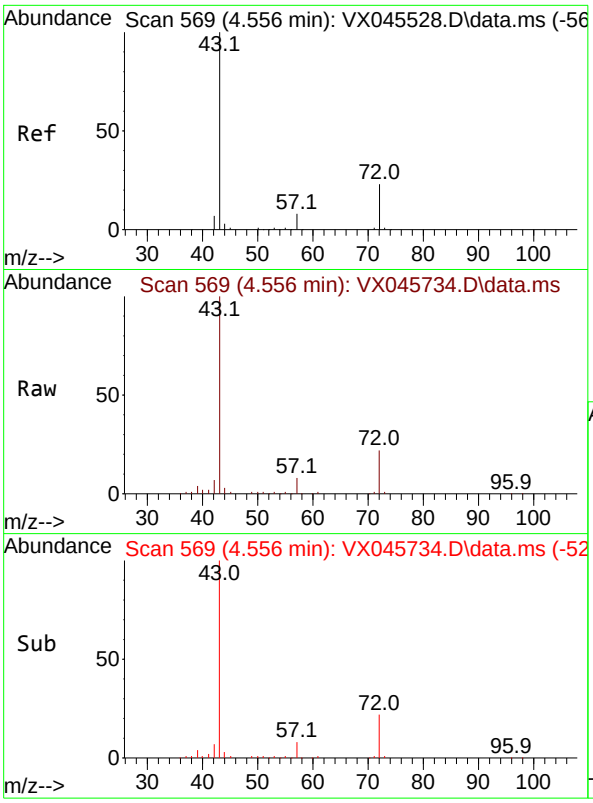


#24
1,1-Dichloroethane
Concen: 19.162 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 63 Resp: 41001

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.7	2.2	6.6

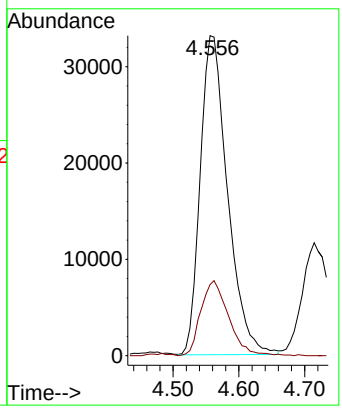




#25
2-Butanone
Concen: 103.387 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 9582

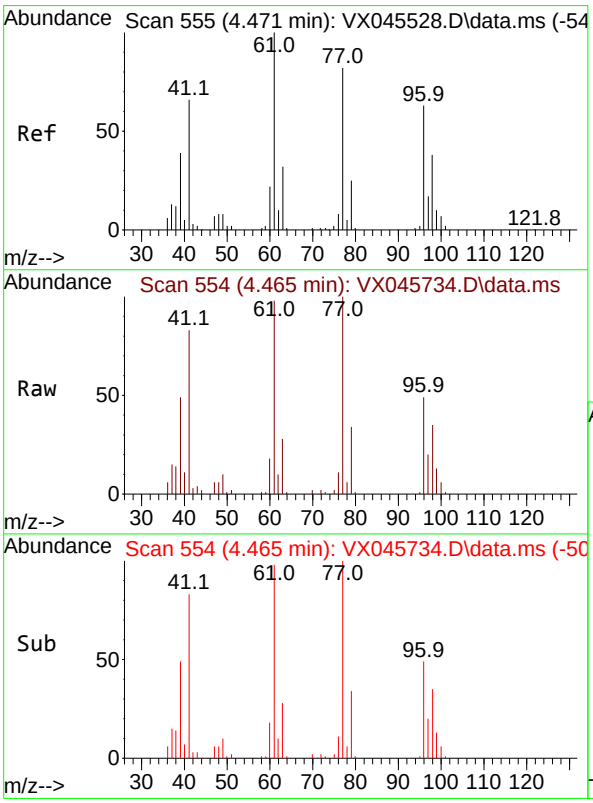
Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
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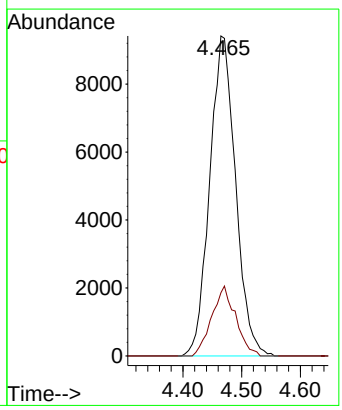
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

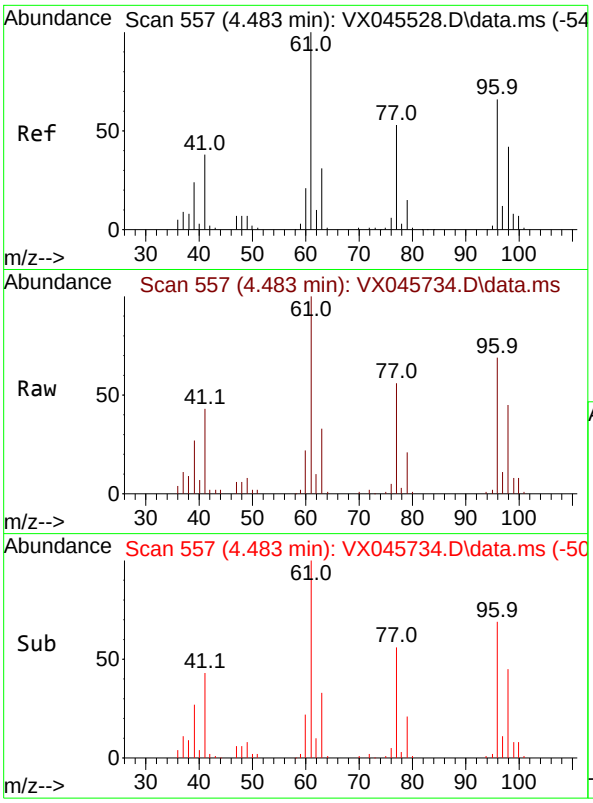


#26
2,2-Dichloropropane
Concen: 20.806 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 77 Resp: 28763

Ion	Ratio	Lower	Upper
77	100		
97	20.2	10.6	31.8





#27
cis-1,2-Dichloroethene
Concen: 18.424 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

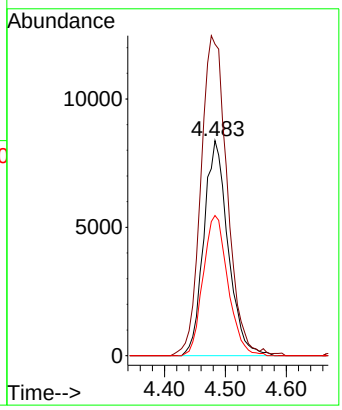
Tgt Ion: 96 Resp: 2321

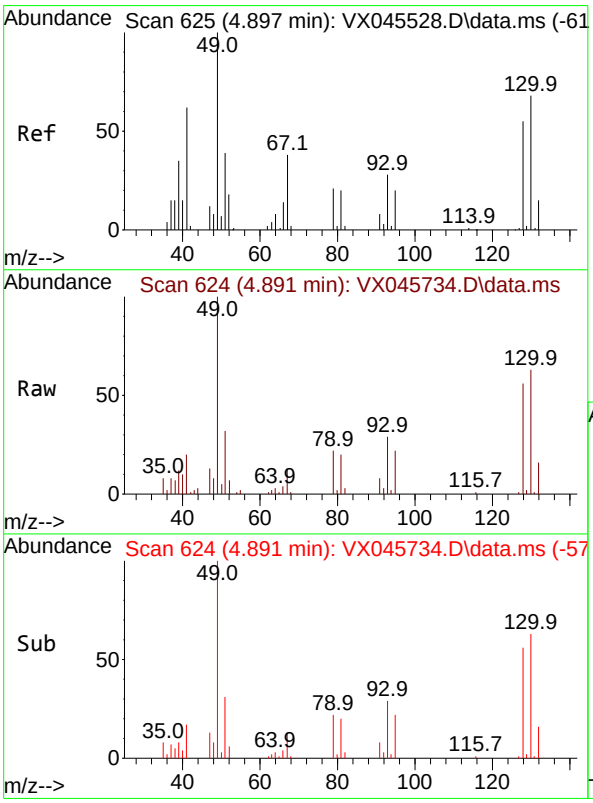
Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	313.2
98	66.5	0.0	126.4

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

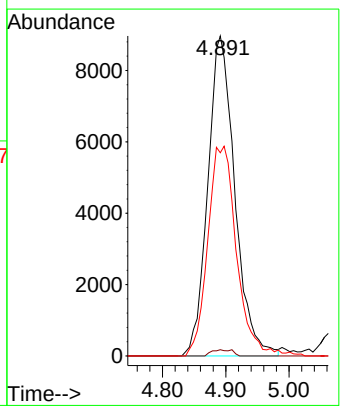


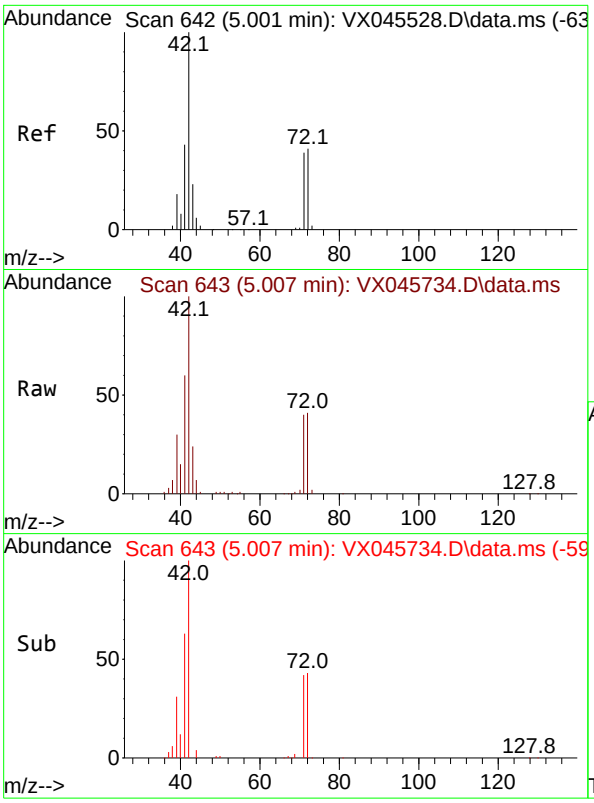


#28
Bromochloromethane
Concen: 25.723 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 49 Resp: 26597

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	69.9	54.6	81.8





#29
Tetrahydrofuran
Concen: 98.191 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

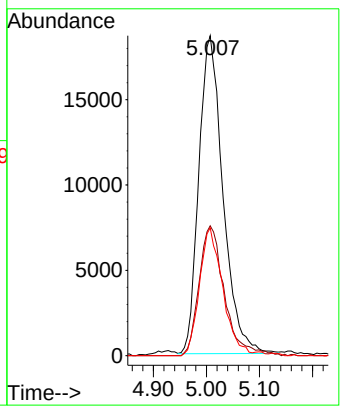
Tgt Ion: 42 Resp: 5900

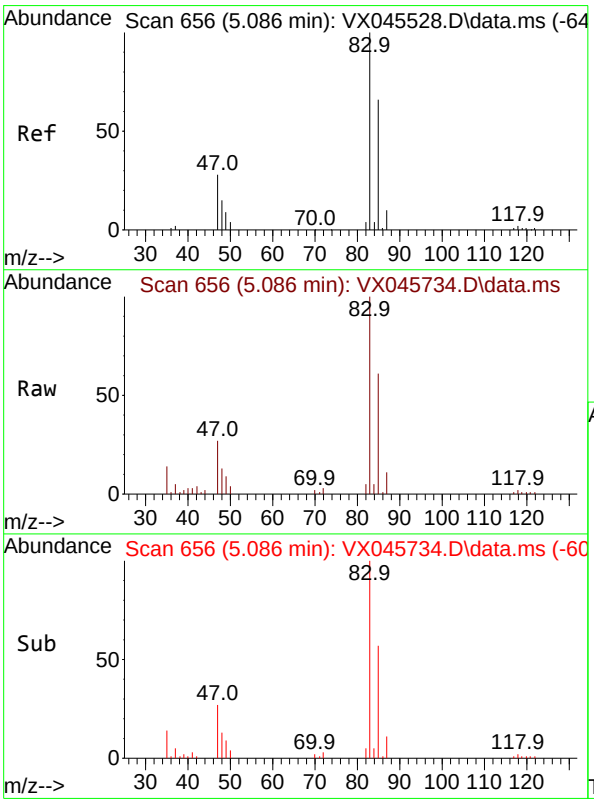
Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.4	50.0
71	38.6	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

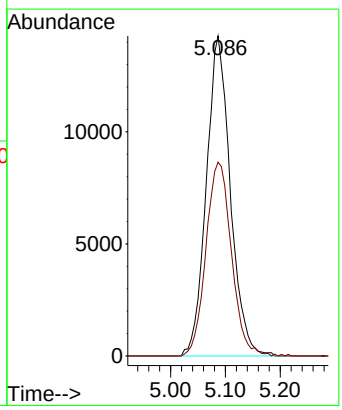


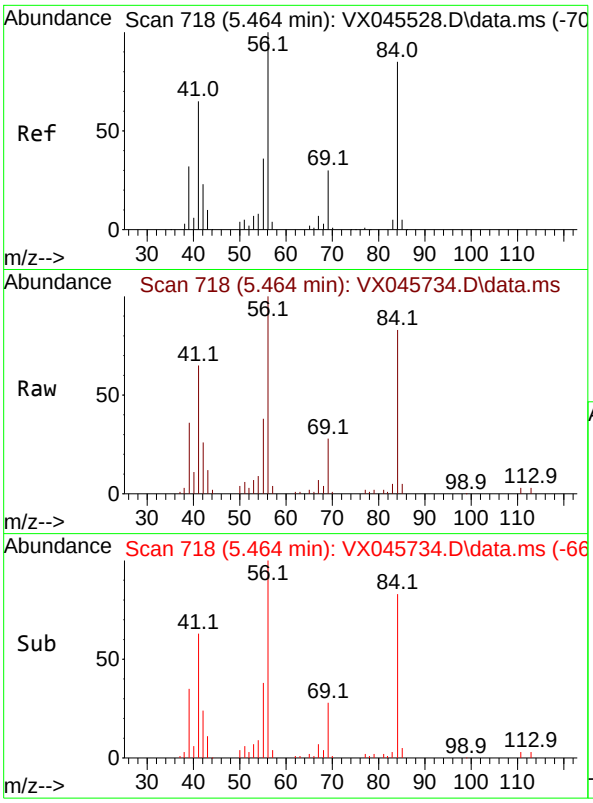


#30
Chloroform
Concen: 19.700 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 83 Resp: 43373

Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.8	79.2

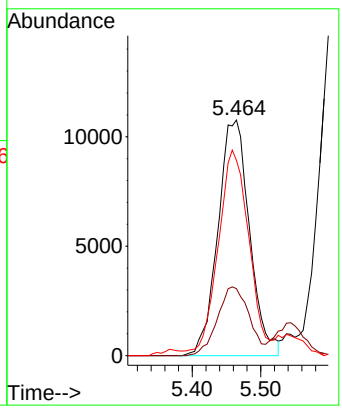




#31
Cyclohexane
Concen: 18.243 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 56 Resp: 3450

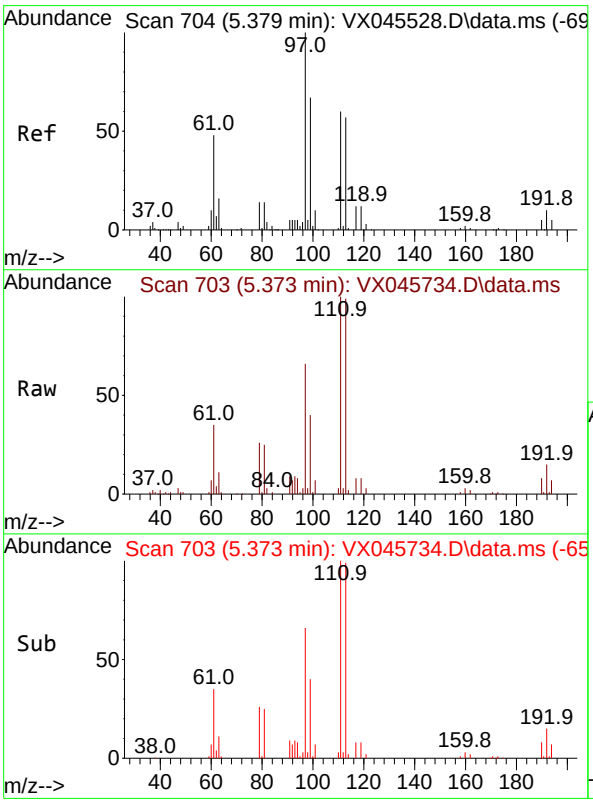
Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.6	35.4
84	80.9	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

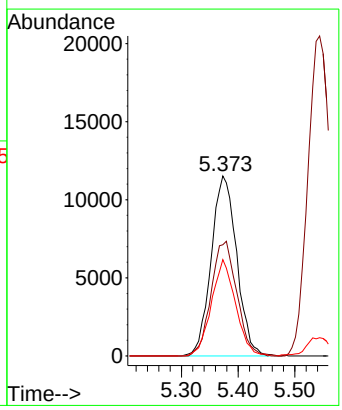
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

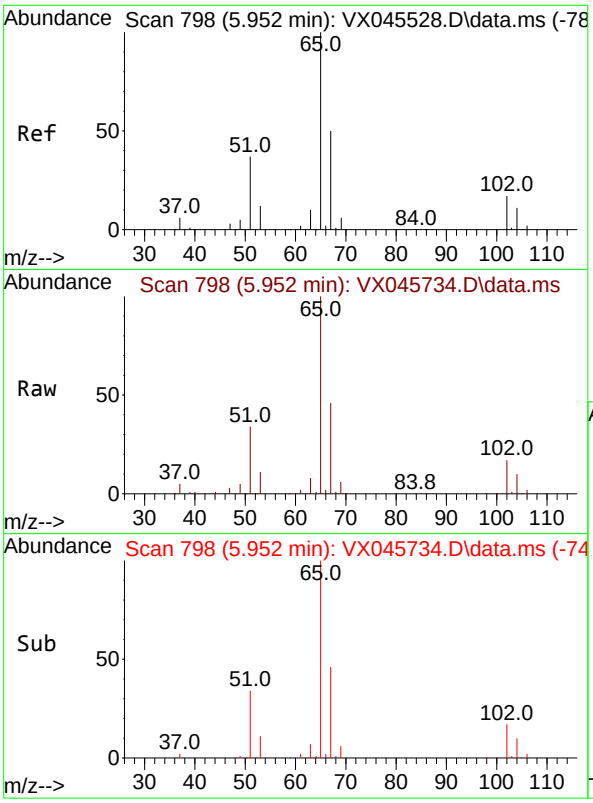


#32
1,1,1-Trichloroethane
Concen: 19.341 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 97 Resp: 36032

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	50.7	41.0	61.4

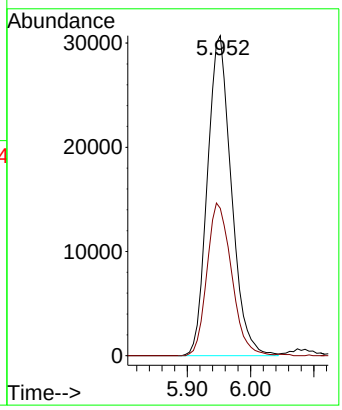




#33
1,2-Dichloroethane-d4
Concen: 52.324 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 65 Resp: 8068

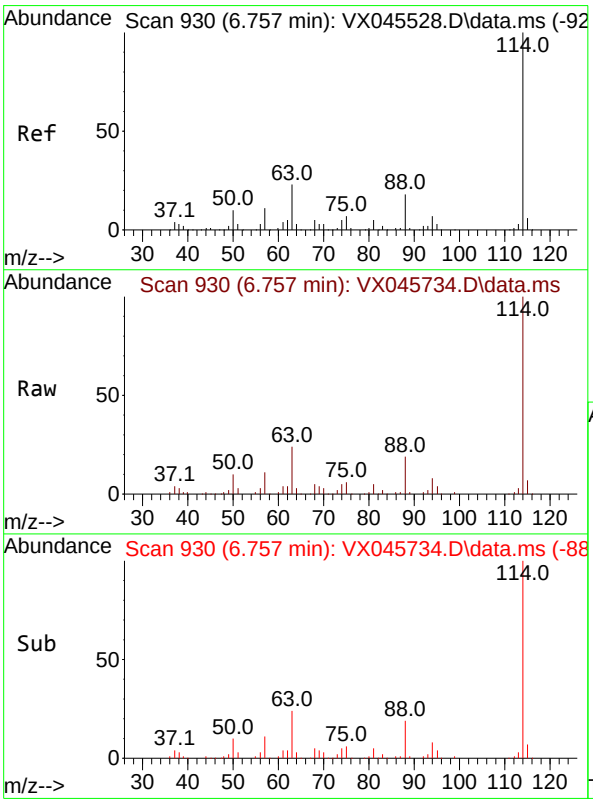
Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

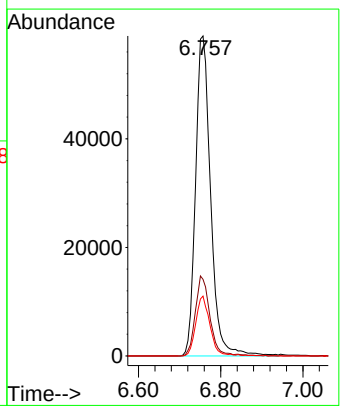
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

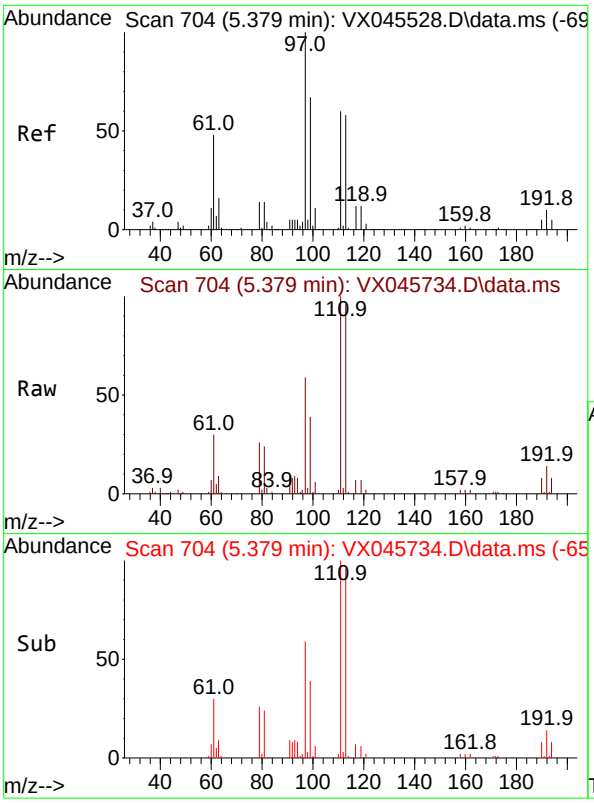


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:114 Resp: 150272

Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	46.8
88	18.7	0.0	35.4

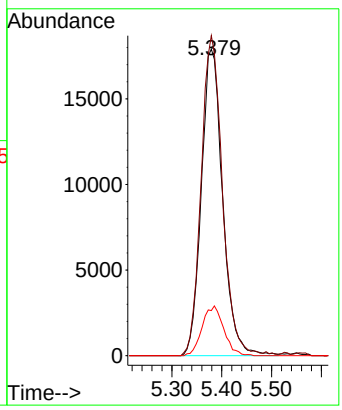




#35
Dibromofluoromethane
Concen: 49.814 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:113 Resp: 5311

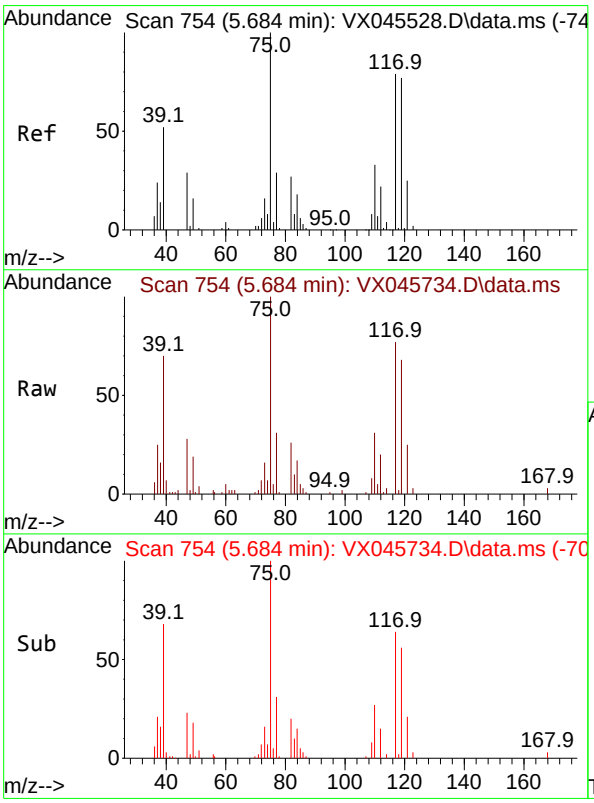
Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.8	122.6
192	16.5	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
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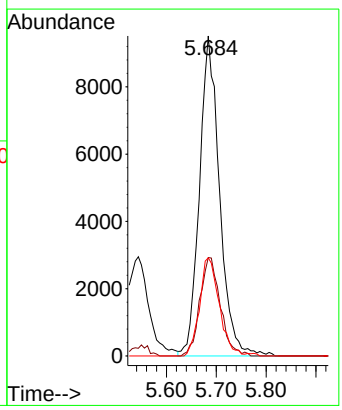
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

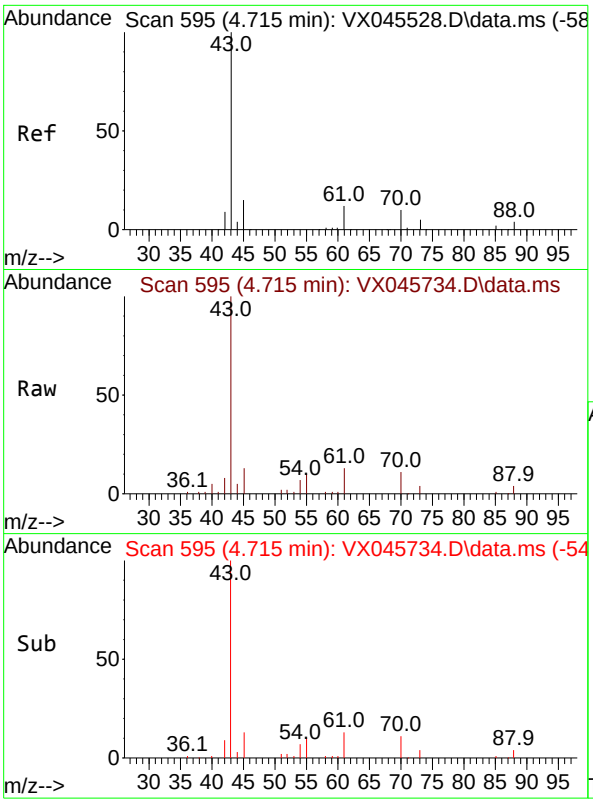


#36
1,1-Dichloropropene
Concen: 18.517 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 26656

Ion	Ratio	Lower	Upper
75	100		
110	31.2	16.9	50.6
77	29.9	25.0	37.4

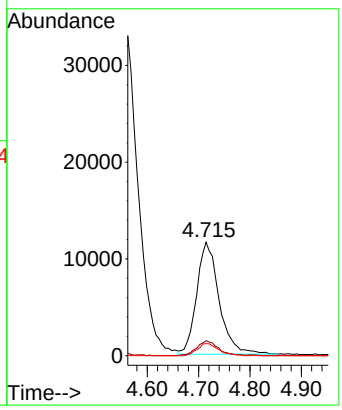




#37
Ethyl Acetate
Concen: 19.342 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 3508

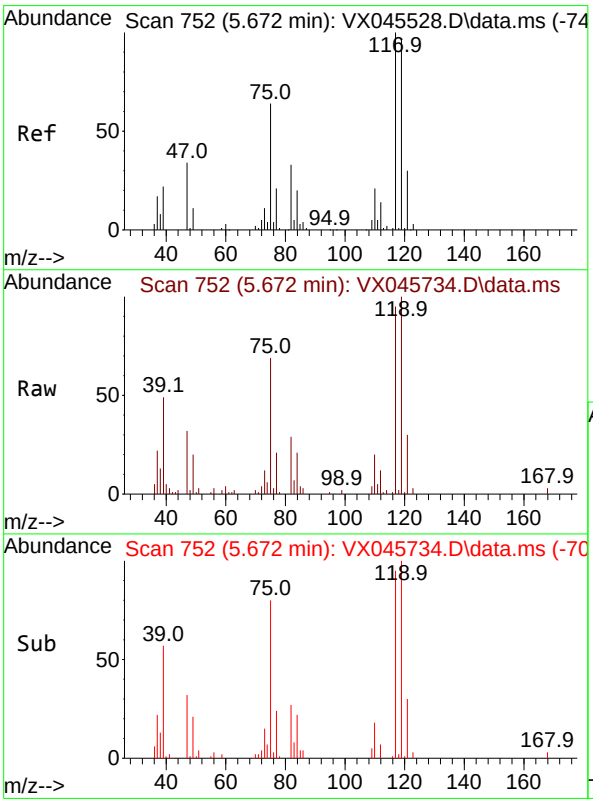
Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.9	14.9
70	10.2	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

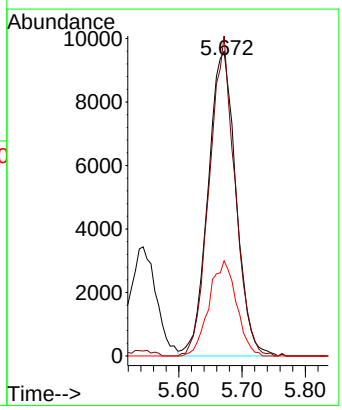
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

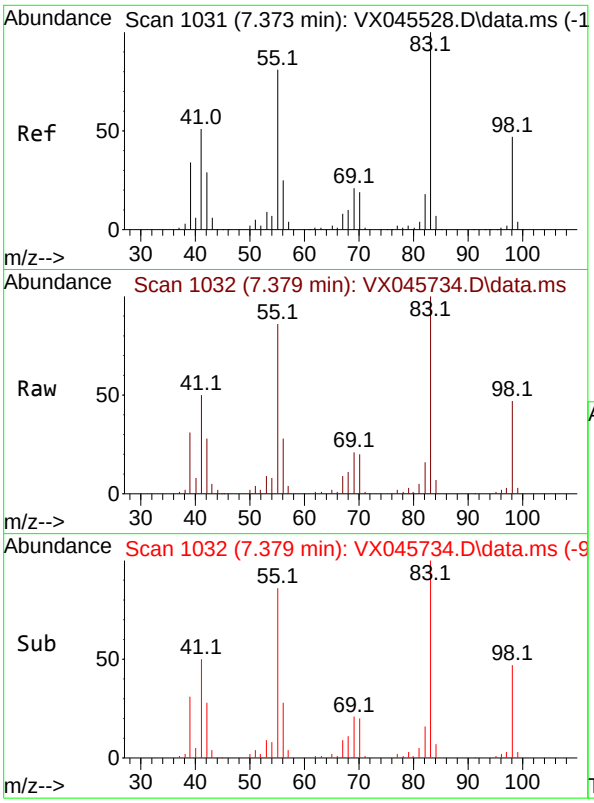


#38
Carbon Tetrachloride
Concen: 18.906 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:117 Resp: 29414

Ion	Ratio	Lower	Upper
117	100		
119	105.1	76.9	115.3
121	31.3	24.2	36.2

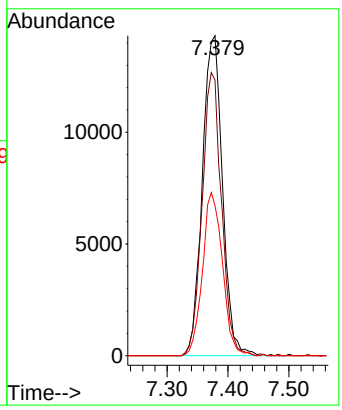




#39
Methylcyclohexane
Concen: 18.674 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 83 Resp: 3295

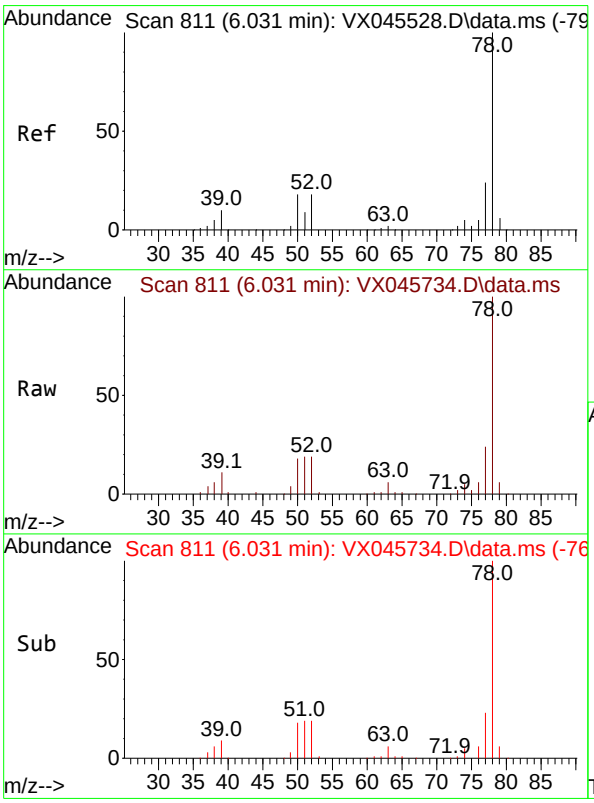
Ion	Ratio	Lower	Upper
83	100		
55	86.2	64.9	97.3
98	46.9	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

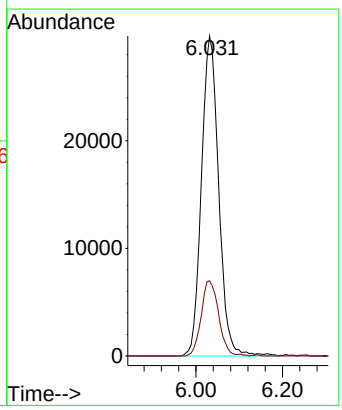
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

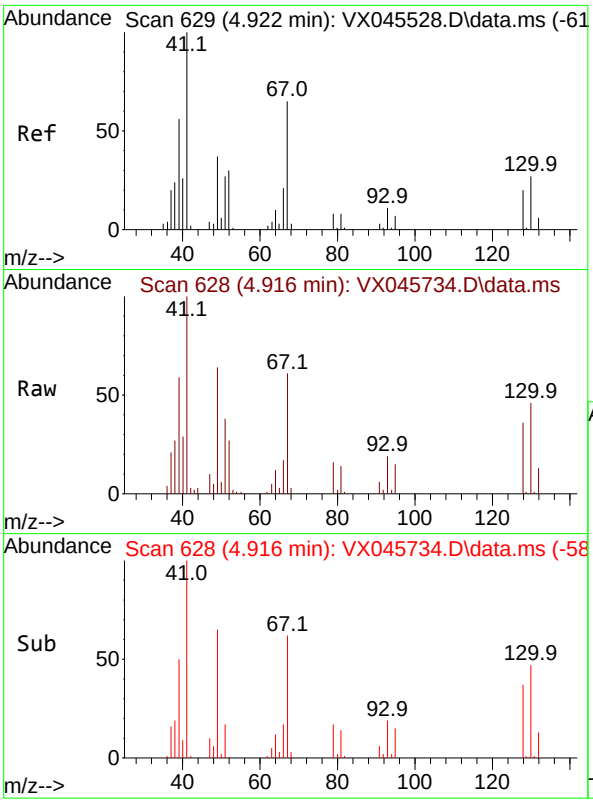


#40
Benzene
Concen: 18.687 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 78 Resp: 82159

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6

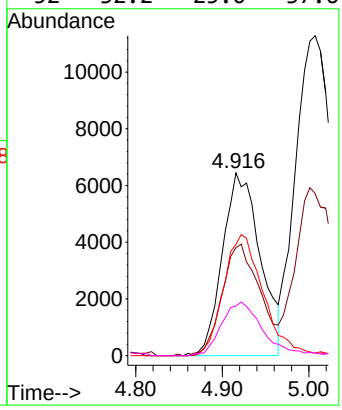




#41
Methacrylonitrile
Concen: 20.439 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 41 Resp: 1956

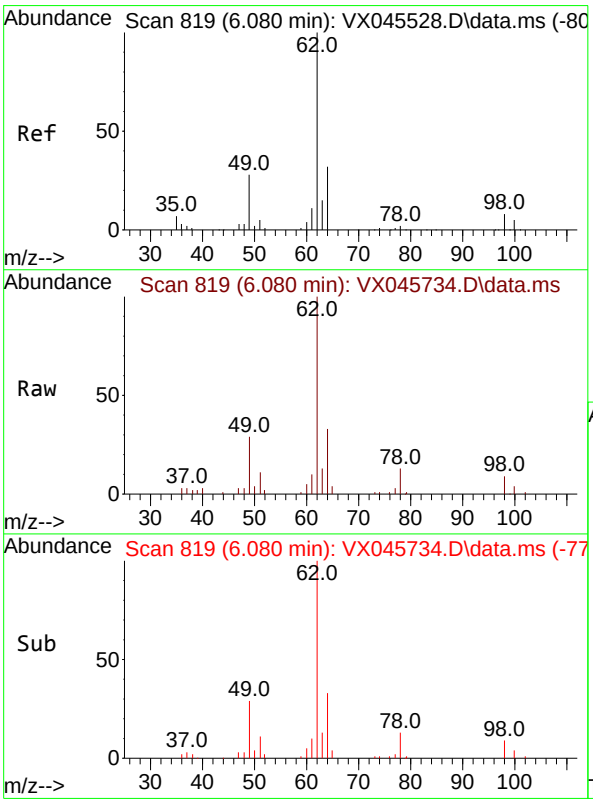
Ion	Ratio	Lower	Upper
41	100		
39	61.2	47.0	70.6
67	70.0	53.2	79.8
52	32.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

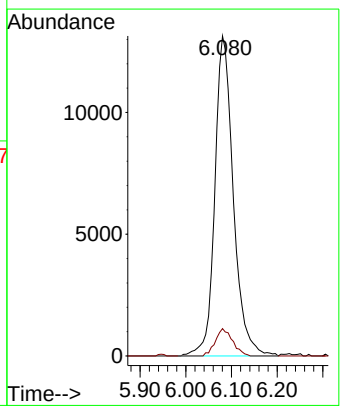
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

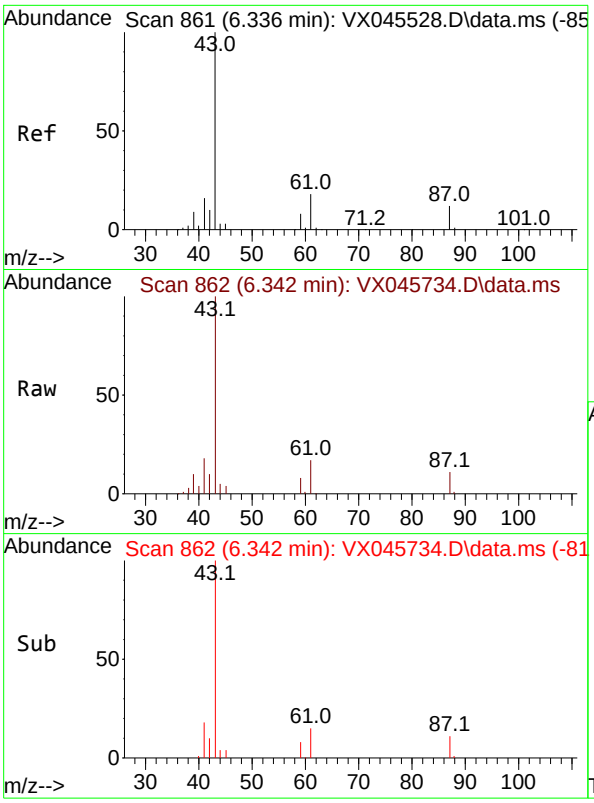


#42
1,2-Dichloroethane
Concen: 20.370 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 62 Resp: 36989

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.2

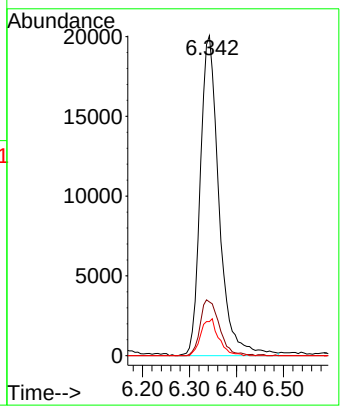




#43
Isopropyl Acetate
Concen: 20.170 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 5546

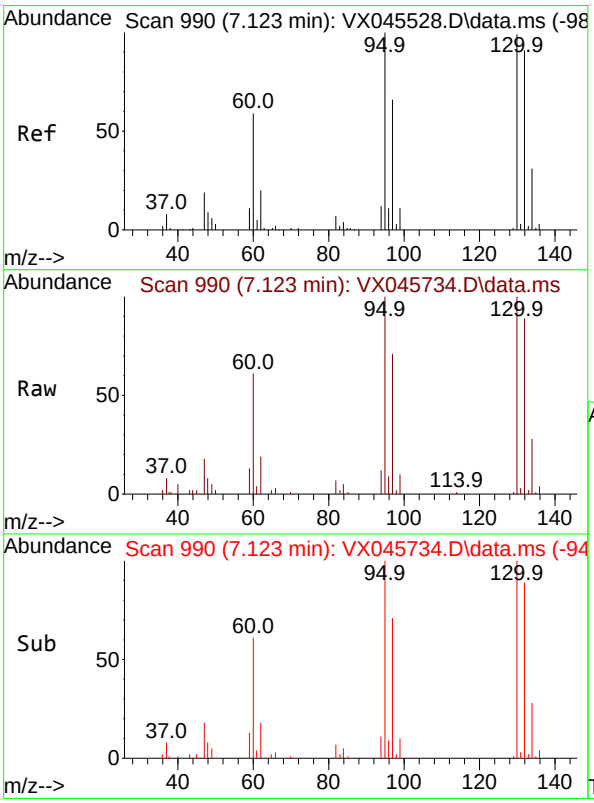
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.1	21.1
87	11.0	9.2	13.8



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

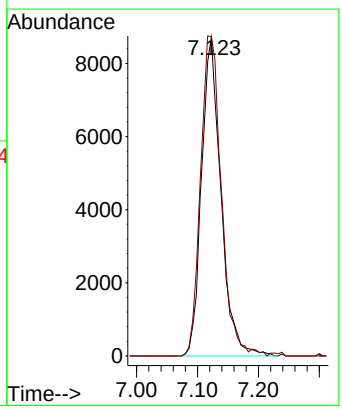
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

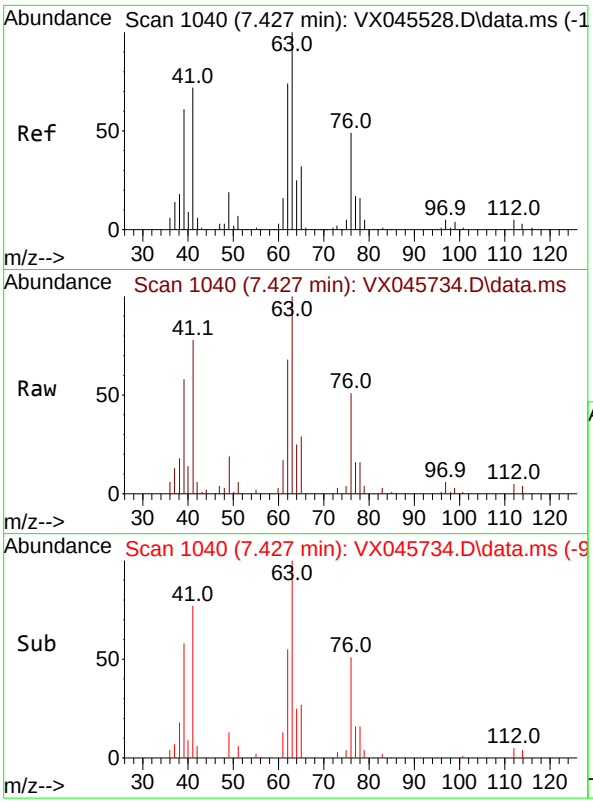


#44
Trichloroethene
Concen: 18.422 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:130 Resp: 19251

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	202.0

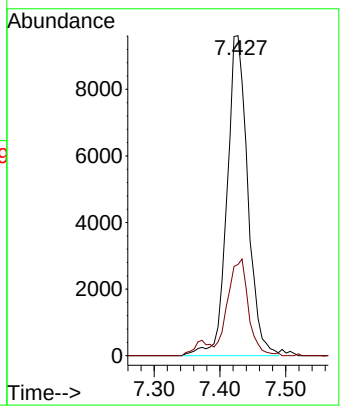




#45
1,2-Dichloropropane
Concen: 19.231 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 63 Resp: 2109

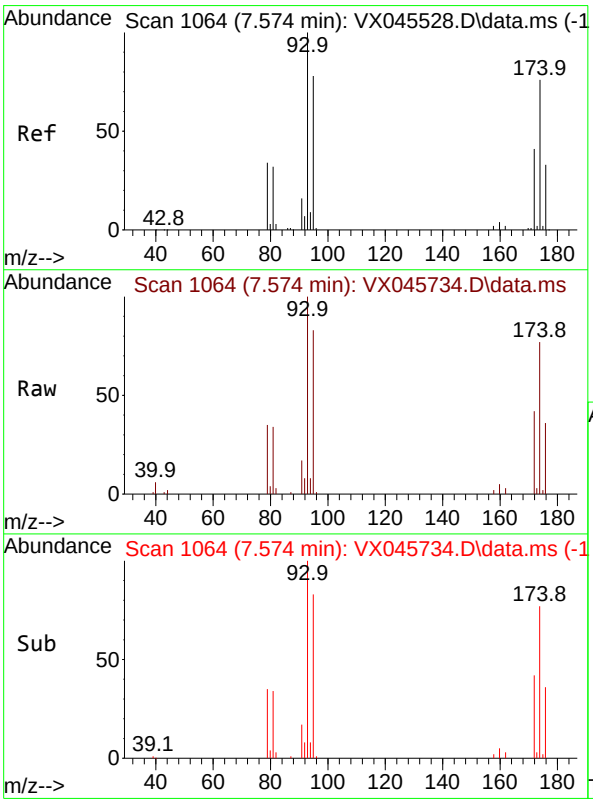
Ion	Ratio	Lower	Upper
63	100		
65	28.5	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

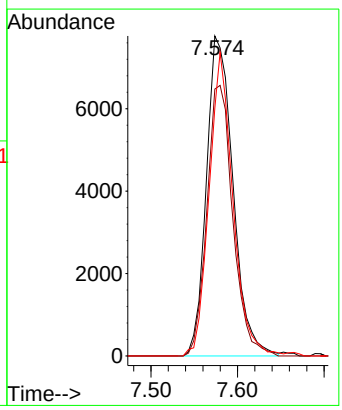
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

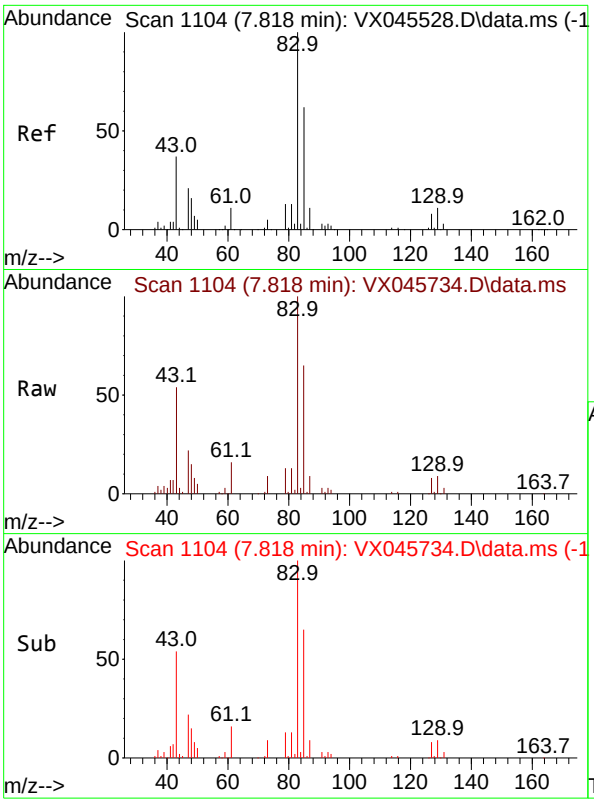


#46
Dibromomethane
Concen: 19.665 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 93 Resp: 16560

Ion	Ratio	Lower	Upper
93	100		
95	82.6	64.8	97.2
174	85.1	65.4	98.0

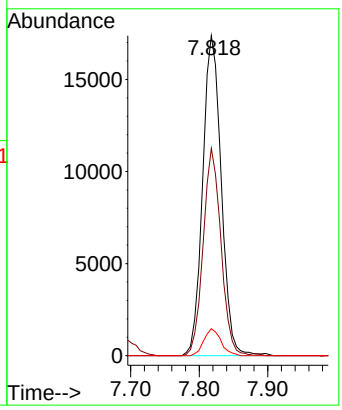




#47
Bromodichloromethane
Concen: 19.510 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 83 Resp: 3281

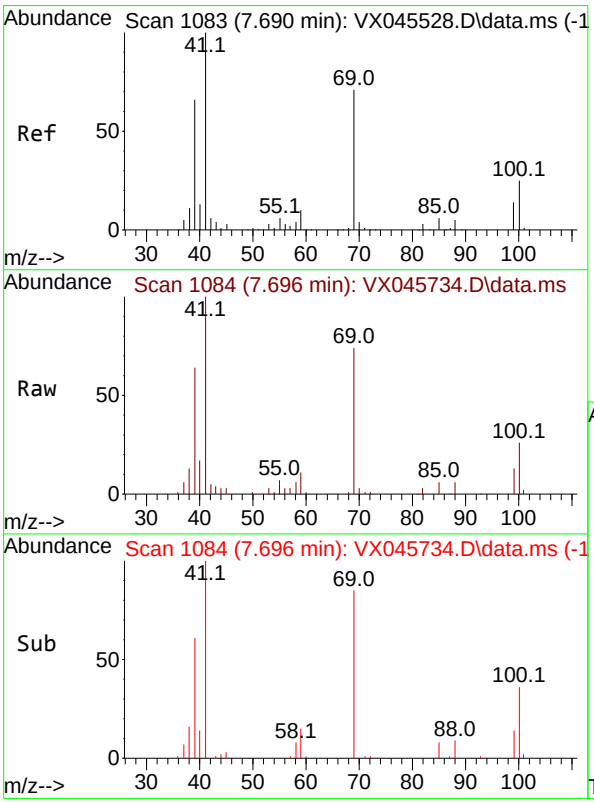
Ion	Ratio	Lower	Upper
83	100		
85	64.8	49.7	74.5
127	8.5	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

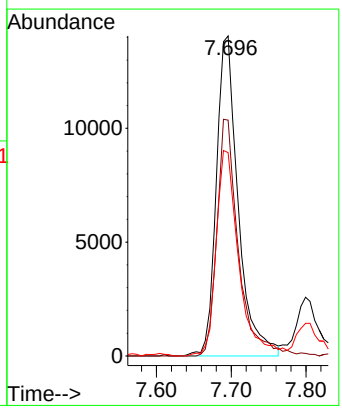
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

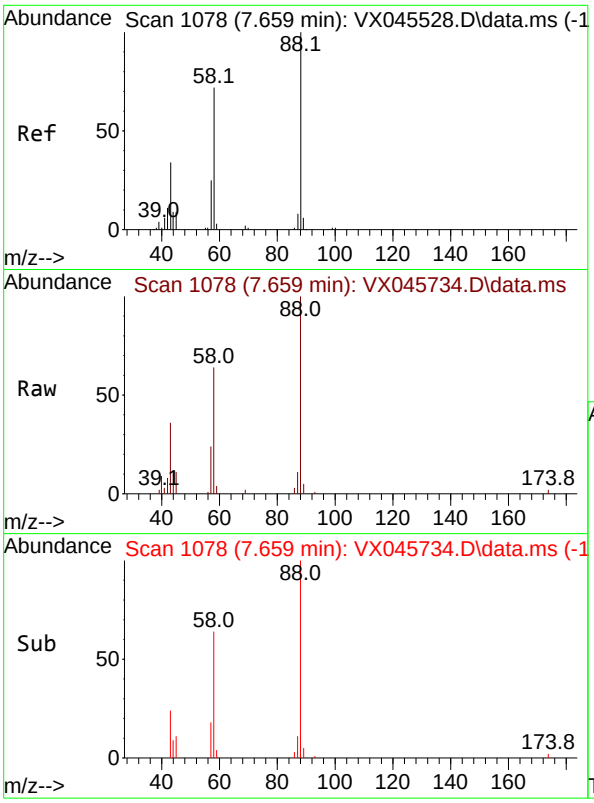


#48
Methyl methacrylate
Concen: 20.151 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 41 Resp: 28607

Ion	Ratio	Lower	Upper
41	100		
69	73.2	58.2	87.2
39	66.6	53.6	80.4

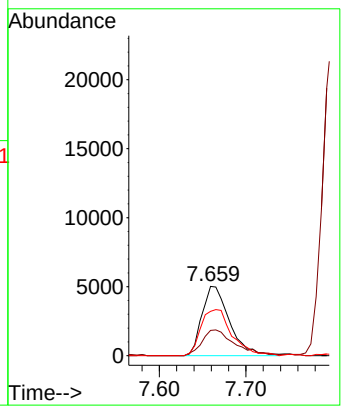




#49
1,4-Dioxane
Concen: 432.076 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 88 Resp: 1109

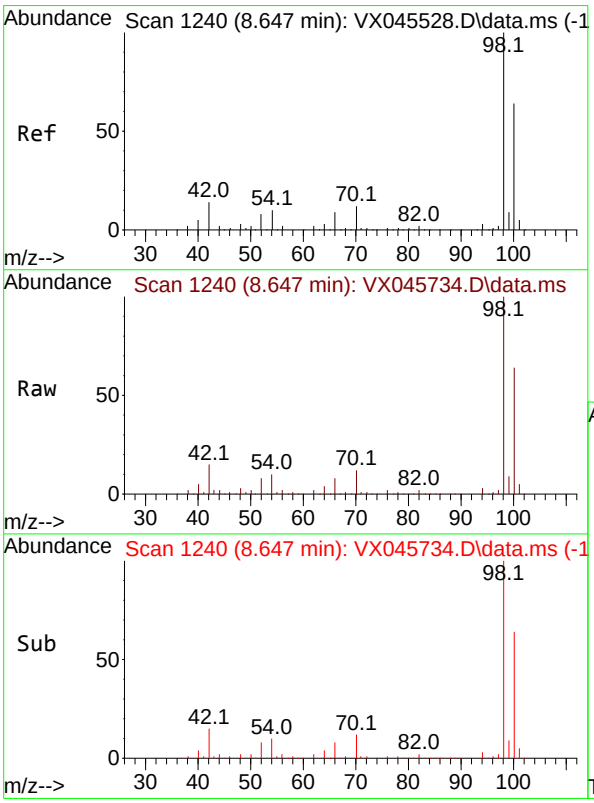
Ion	Ratio	Lower	Upper
88	100		
43	44.4	32.2	48.4
58	75.0	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

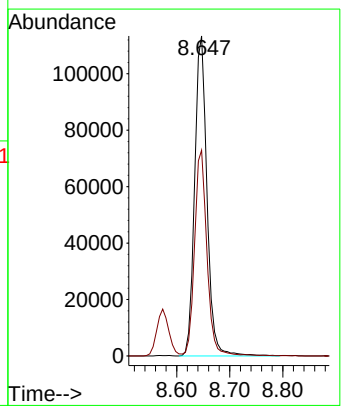
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

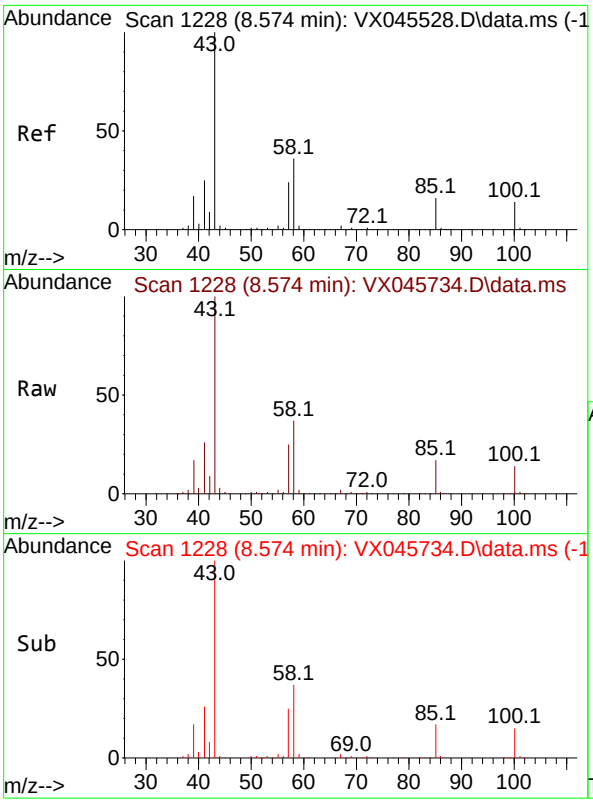


#50
Toluene-d8
Concen: 49.252 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 98 Resp: 183285

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.2	78.4

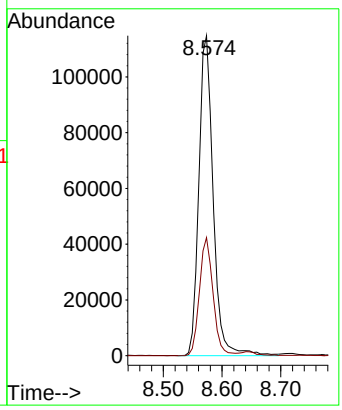




#51
4-Methyl-2-Pentanone
Concen: 106.998 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 19502

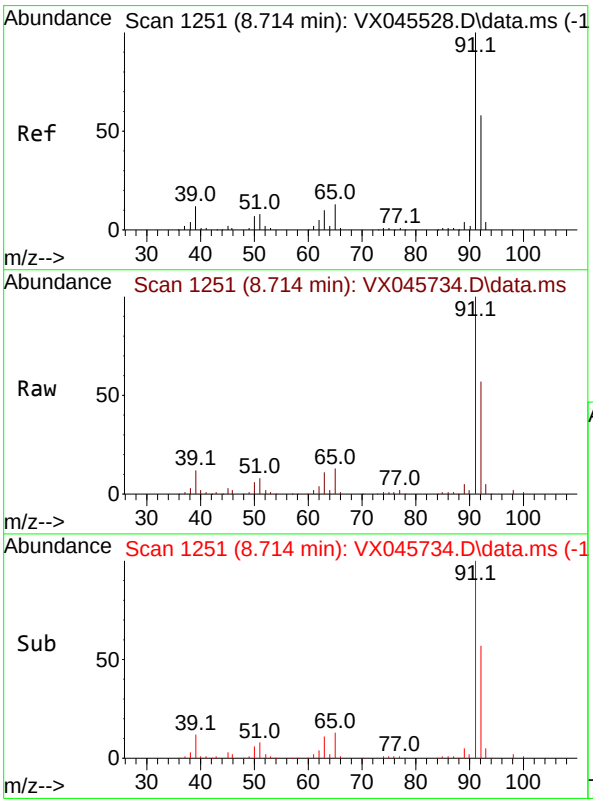
Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

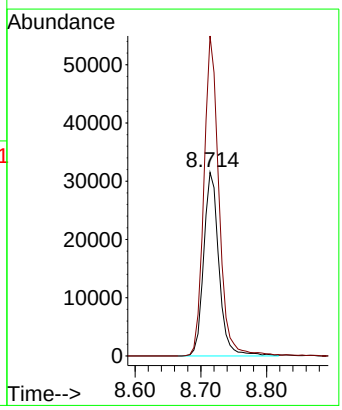
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

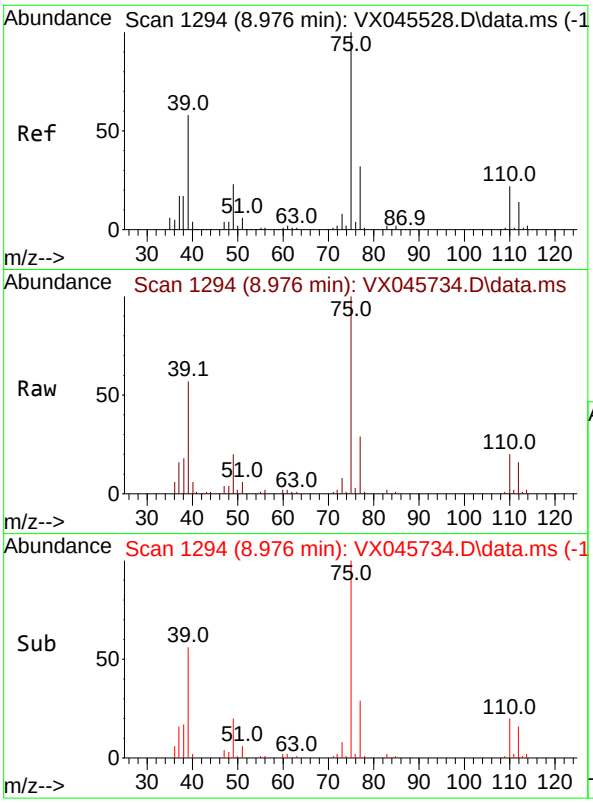


#52
Toluene
Concen: 19.132 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 92 Resp: 50898

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.7	208.1

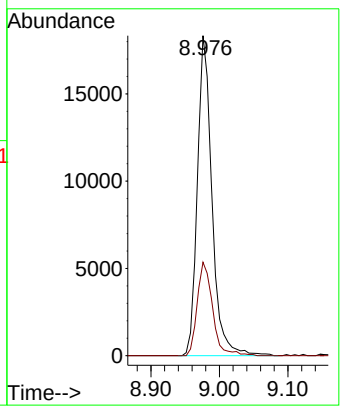




#53
t-1,3-Dichloropropene
Concen: 18.352 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 2722

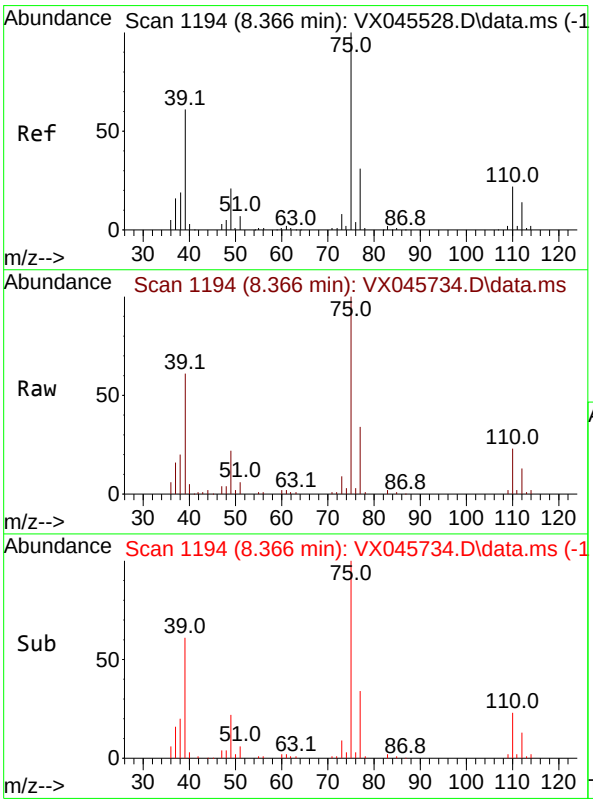
Ion	Ratio	Lower	Upper
75	100		
77	29.2	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

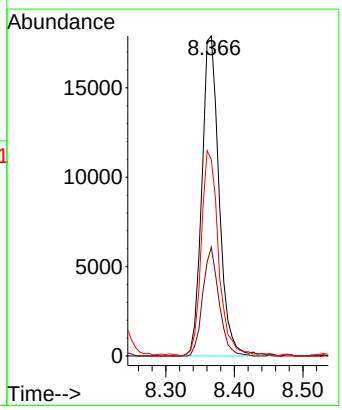
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

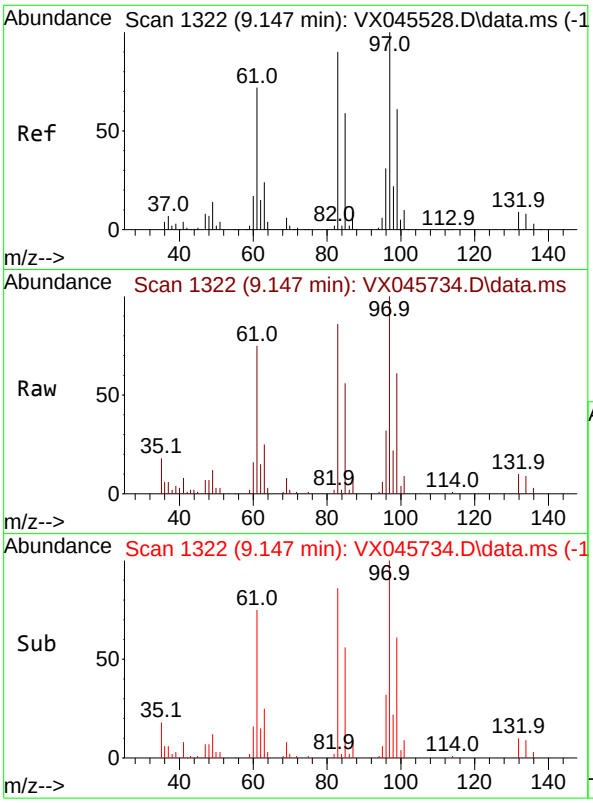


#54
cis-1,3-Dichloropropene
Concen: 19.884 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 31424

Ion	Ratio	Lower	Upper
75	100		
77	34.0	24.6	36.8
39	61.3	48.4	72.6

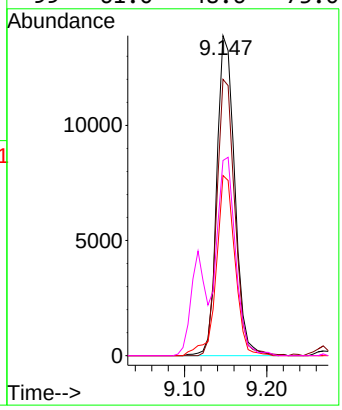




#55
1,1,2-Trichloroethane
Concen: 19.886 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 97 Resp: 2108

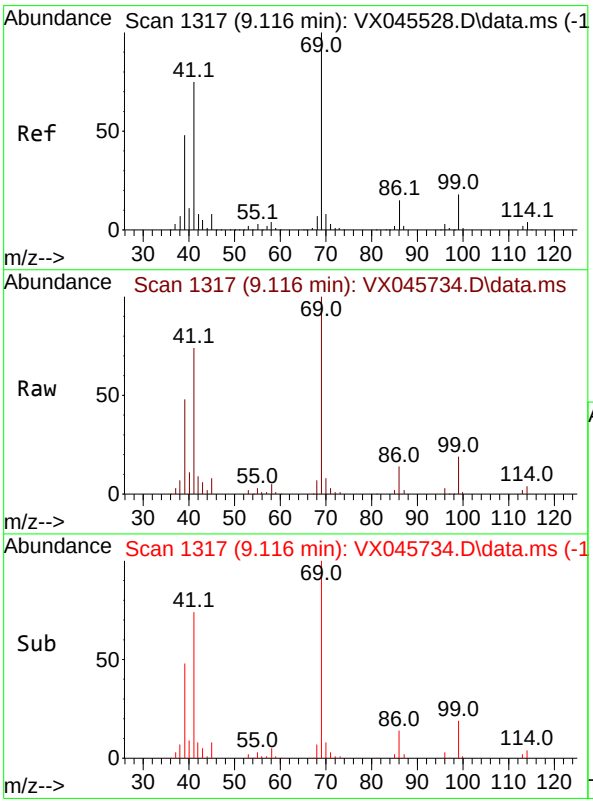
Ion	Ratio	Lower	Upper
97	100		
83	86.3	71.8	107.8
85	56.3	47.0	70.6
99	61.0	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

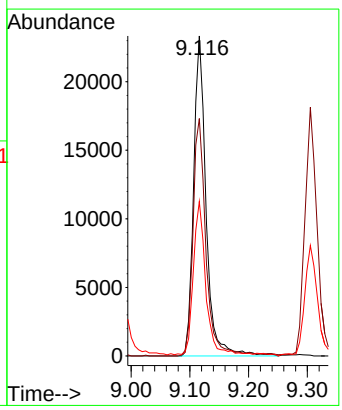
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

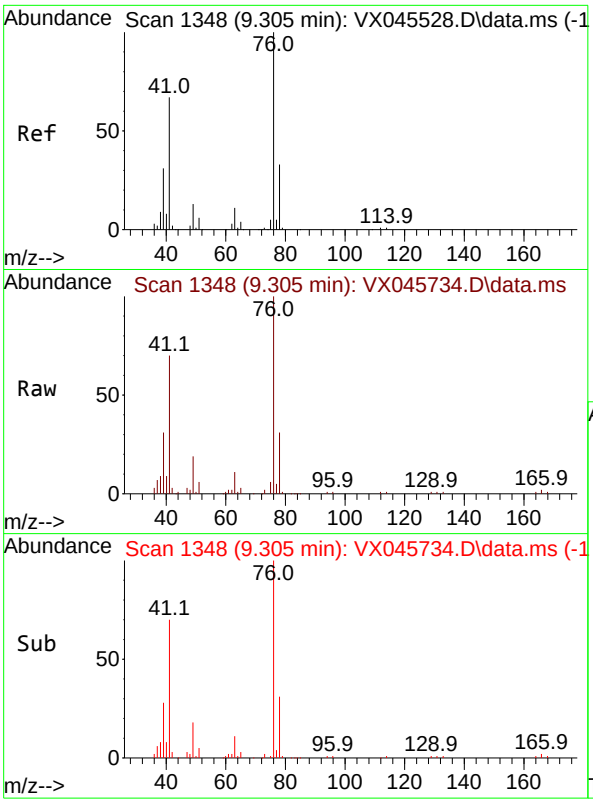


#56
Ethyl methacrylate
Concen: 20.947 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 69 Resp: 34367

Ion	Ratio	Lower	Upper
69	100		
41	77.1	61.3	91.9
39	49.3	40.2	60.2

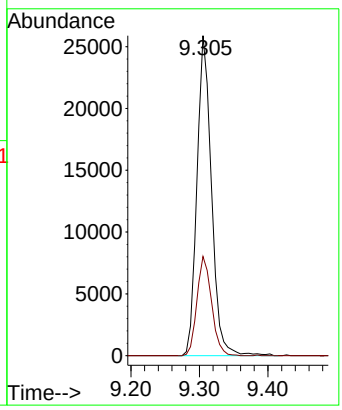




#57
1,3-Dichloropropane
Concen: 20.758 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 76 Resp: 3832

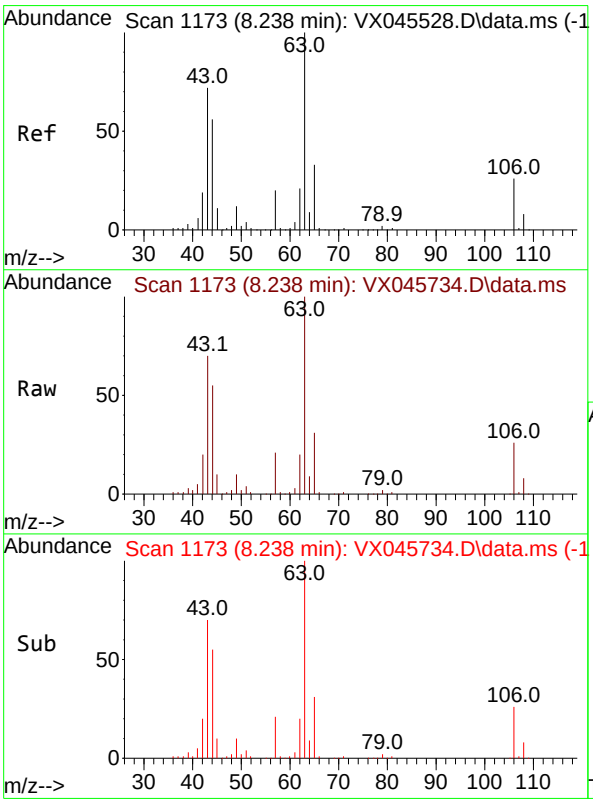
Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

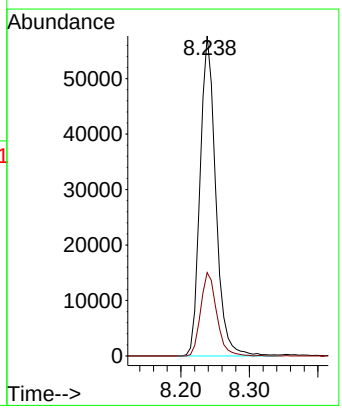
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

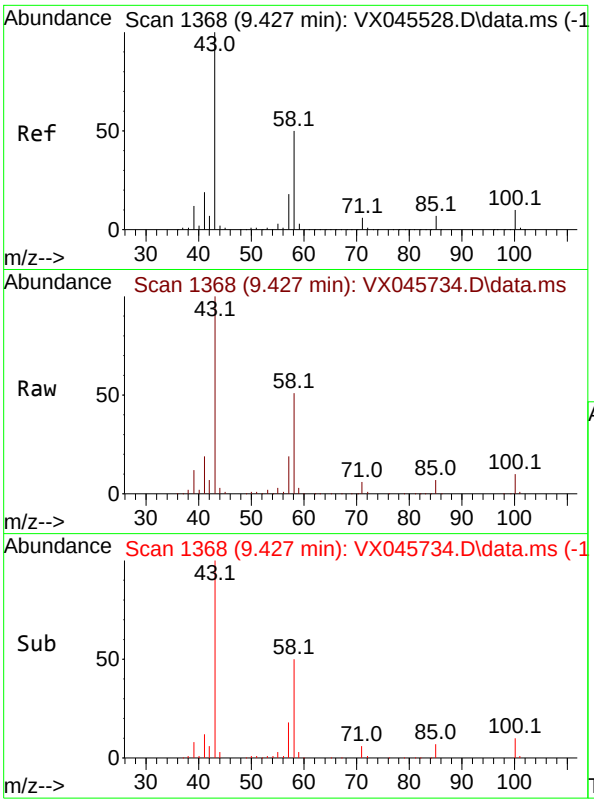


#58
2-Chloroethyl Vinyl ether
Concen: 110.832 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 63 Resp: 91986

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.0	31.6

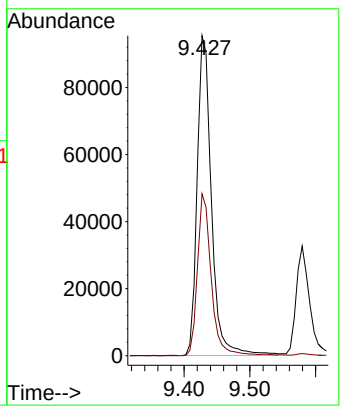




#59
2-Hexanone
Concen: 106.500 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 14375

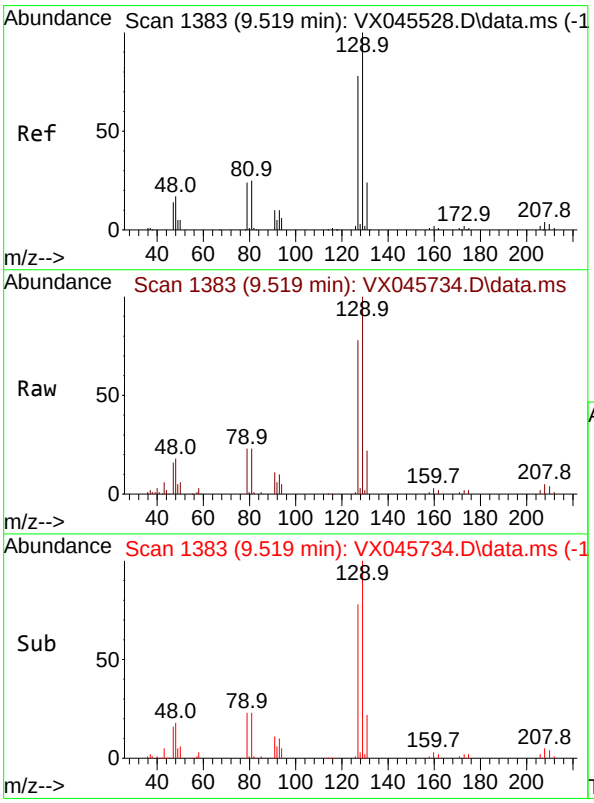
Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

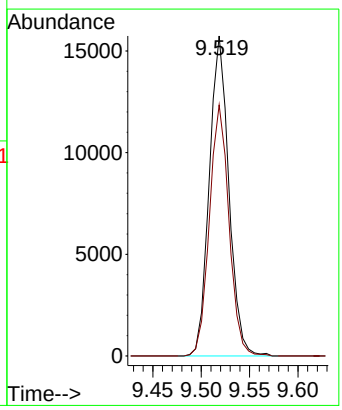
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

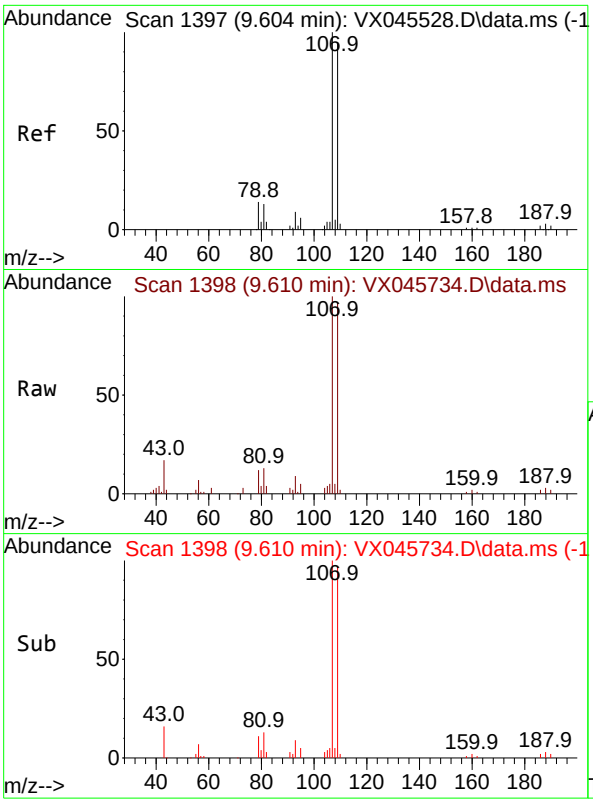


#60
Dibromochloromethane
Concen: 19.183 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:129 Resp: 22170

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.2

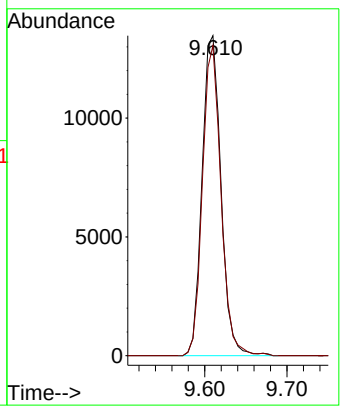




#61
1,2-Dibromoethane
Concen: 20.071 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:107 Resp: 2153

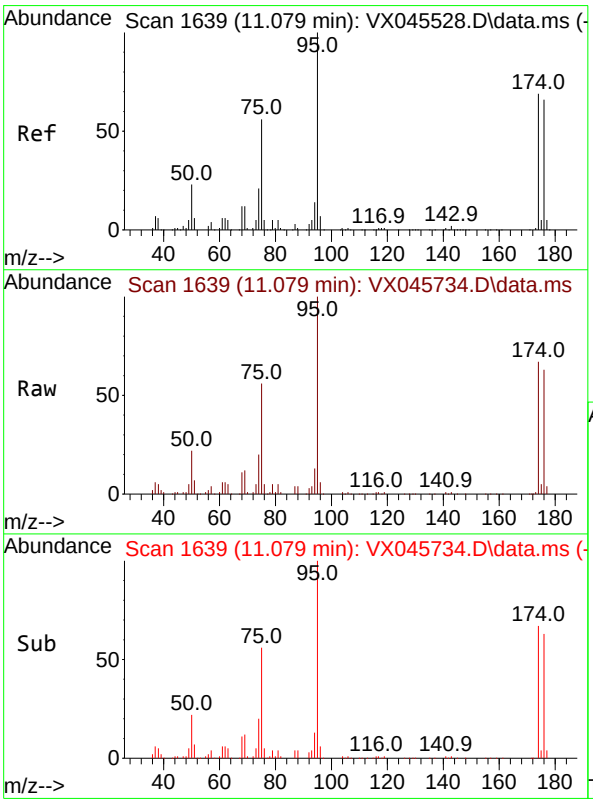
Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

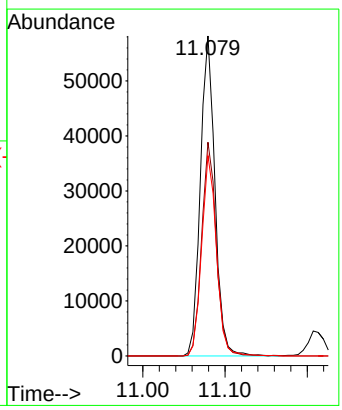
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

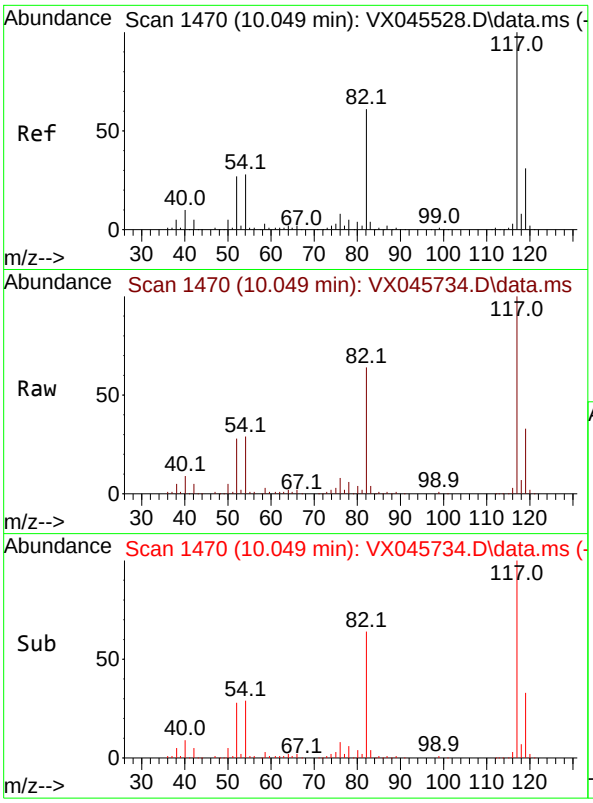


#62
4-Bromofluorobenzene
Concen: 52.894 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 95 Resp: 71699

Ion	Ratio	Lower	Upper
95	100		
174	67.1	0.0	135.8
176	63.6	0.0	131.4

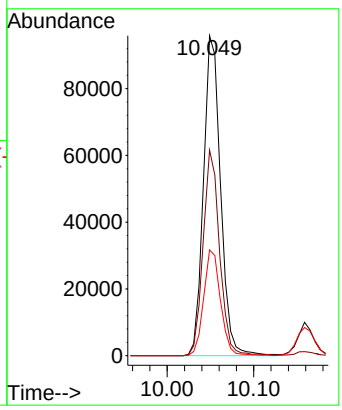




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:117 Resp: 13186

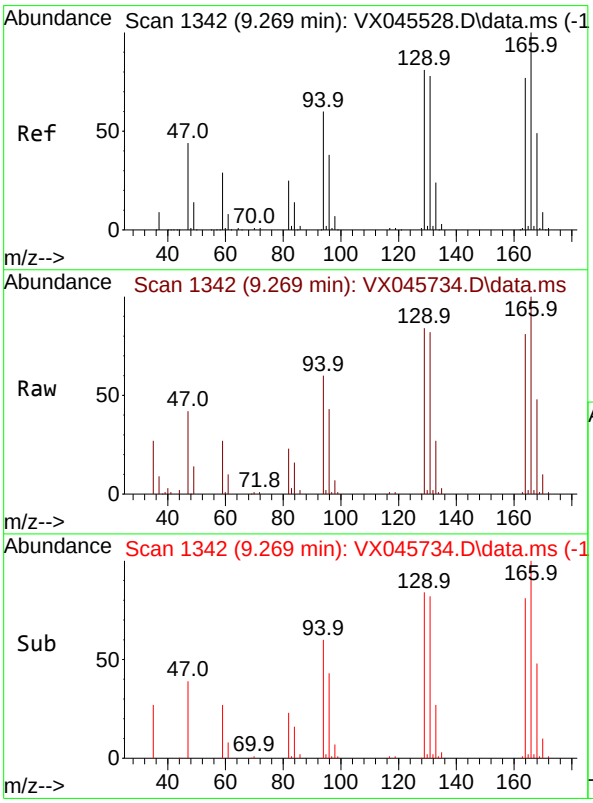
Ion	Ratio	Lower	Upper
117	100		
82	64.3	49.2	73.8
119	33.1	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

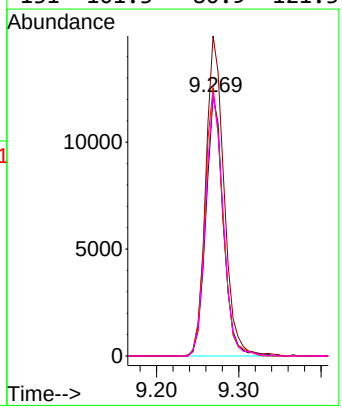
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

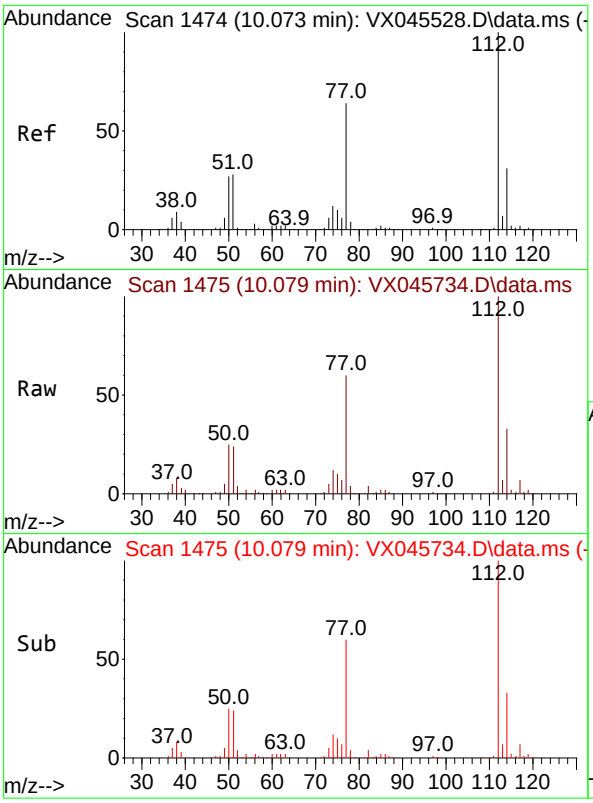


#64
Tetrachloroethene
Concen: 19.248 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:164 Resp: 17919

Ion	Ratio	Lower	Upper
164	100		
166	123.3	103.8	155.8
129	103.3	84.3	126.5
131	101.3	80.9	121.3

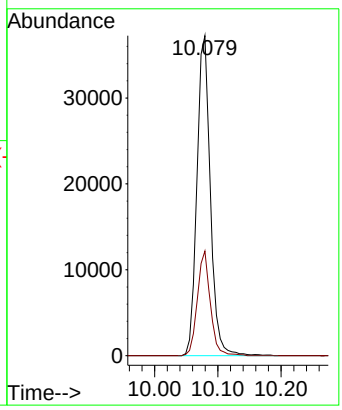




#65
Chlorobenzene
Concen: 19.575 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:112 Resp: 5515

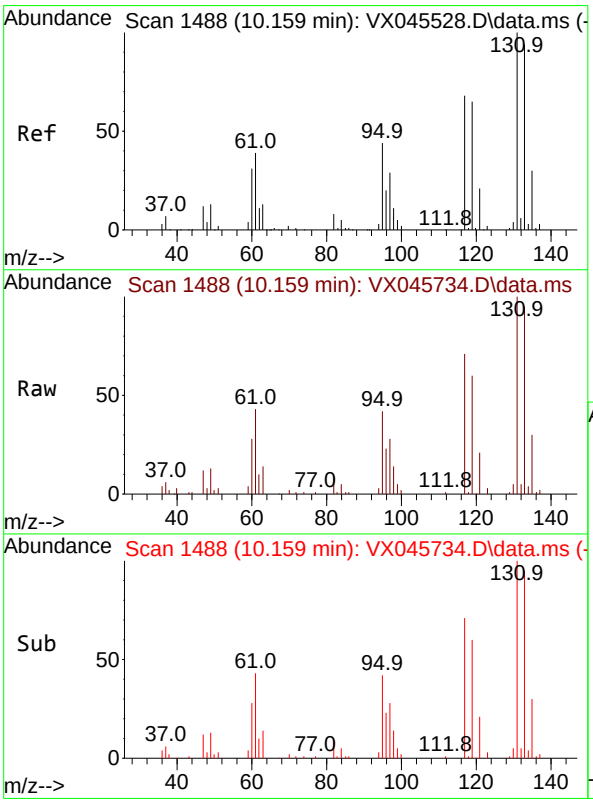
Ion	Ratio	Lower	Upper
112	100		
114	32.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

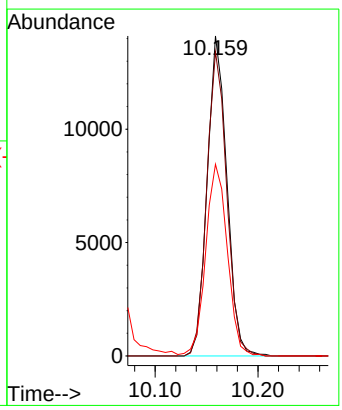
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

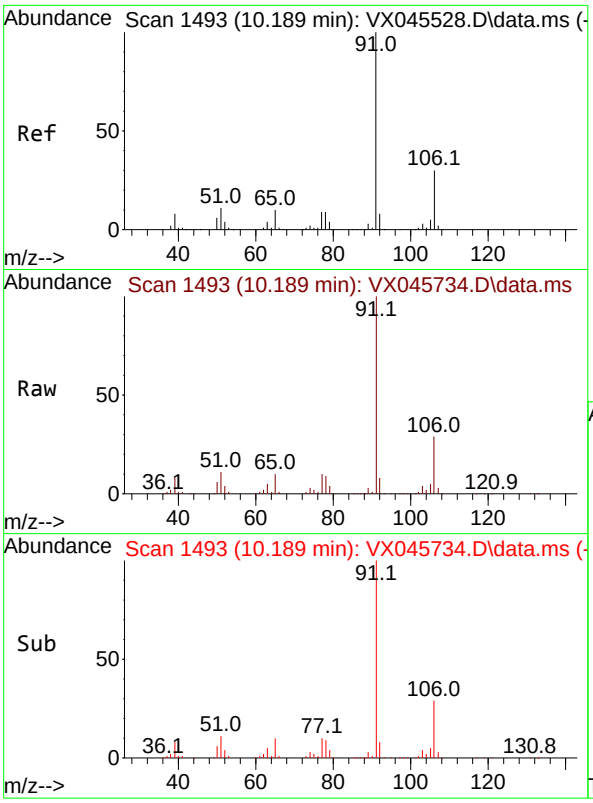


#66
1,1,1,2-Tetrachloroethane
Concen: 19.192 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:131 Resp: 18774

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.5	142.5
119	65.7	32.9	98.6





#67
Ethyl Benzene
Concen: 19.506 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

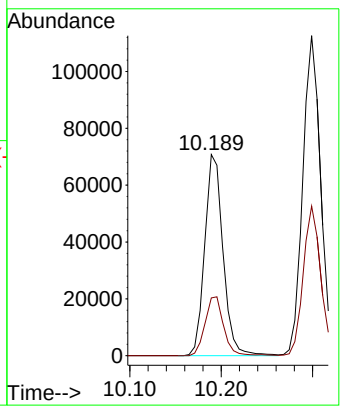
Tgt Ion: 91 Resp: 9843

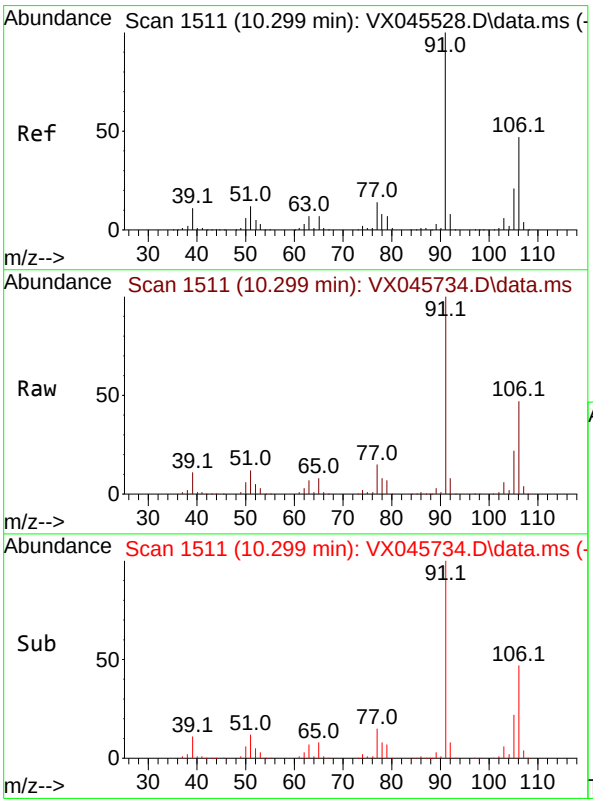
Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.7	35.5

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

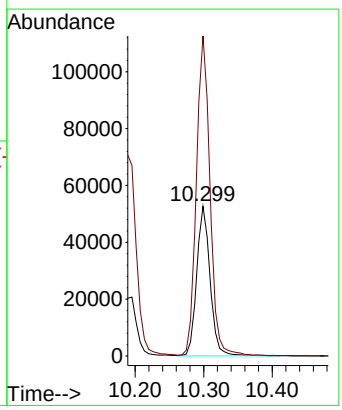


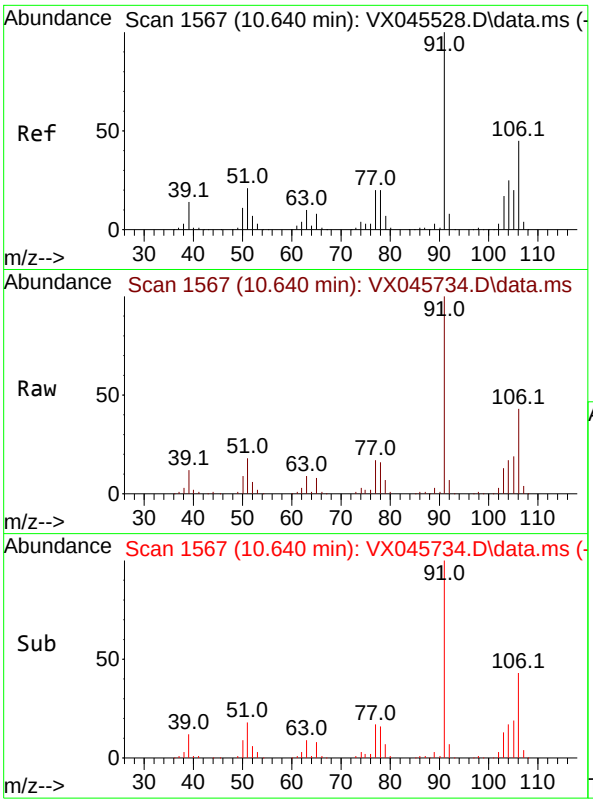


#68
m/p-Xylenes
Concen: 38.936 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:106 Resp: 71463

Ion	Ratio	Lower	Upper
106	100		
91	218.7	172.6	258.8

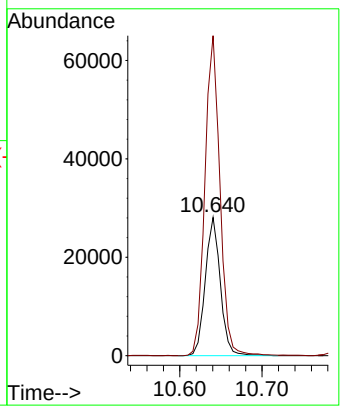




#69
o-Xylene
Concen: 19.746 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:106 Resp: 3570

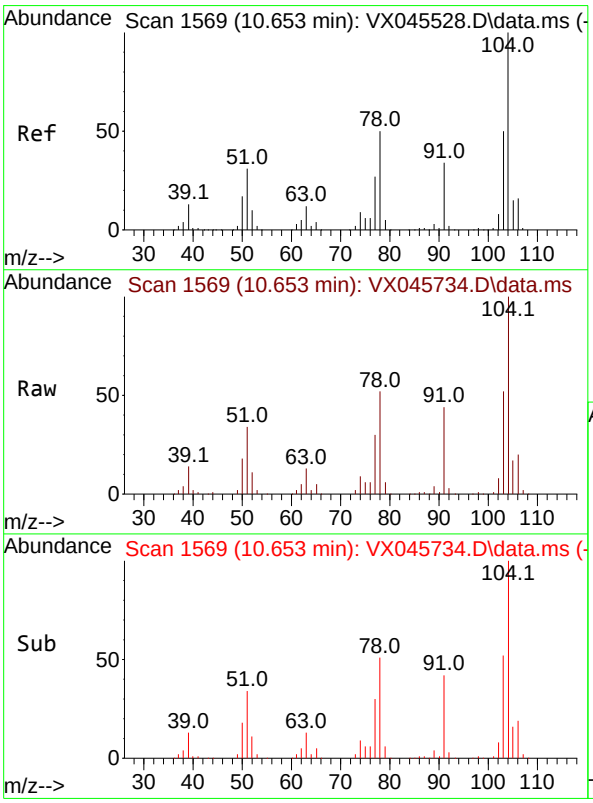
Ion	Ratio	Lower	Upper
106	100		
91	231.1	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

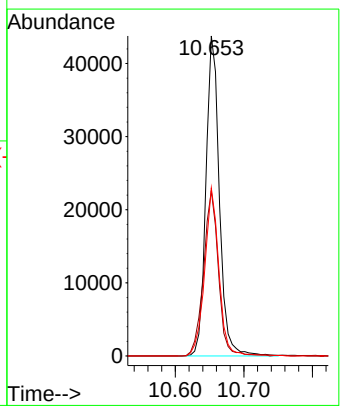
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

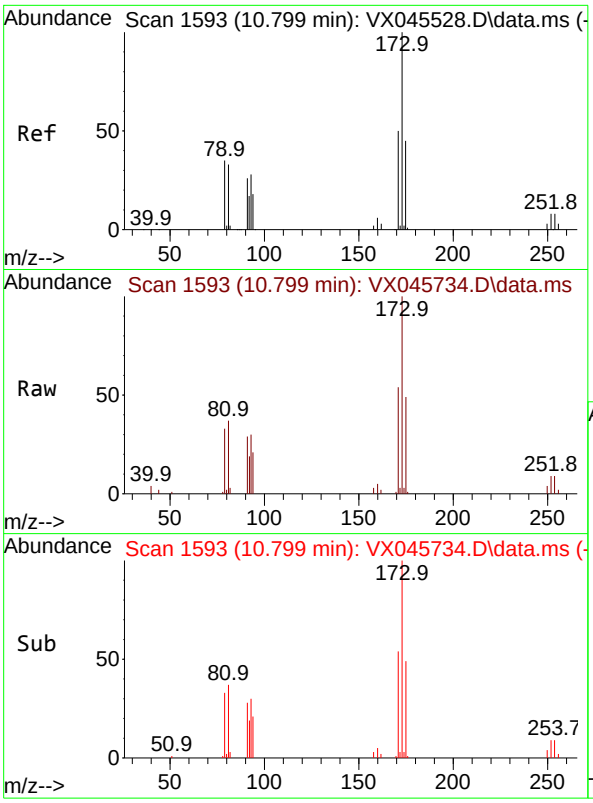


#70
Styrene
Concen: 20.128 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:104 Resp: 60067

Ion	Ratio	Lower	Upper
104	100		
78	56.8	45.4	68.2
103	55.6	43.8	65.8

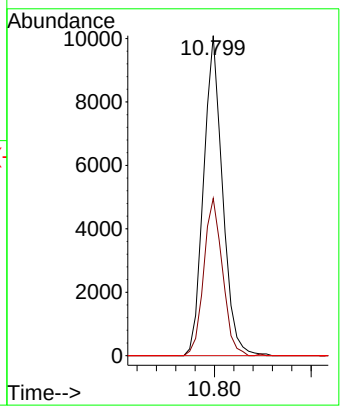




#71
Bromoform
Concen: 18.847 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:173 Resp: 1376

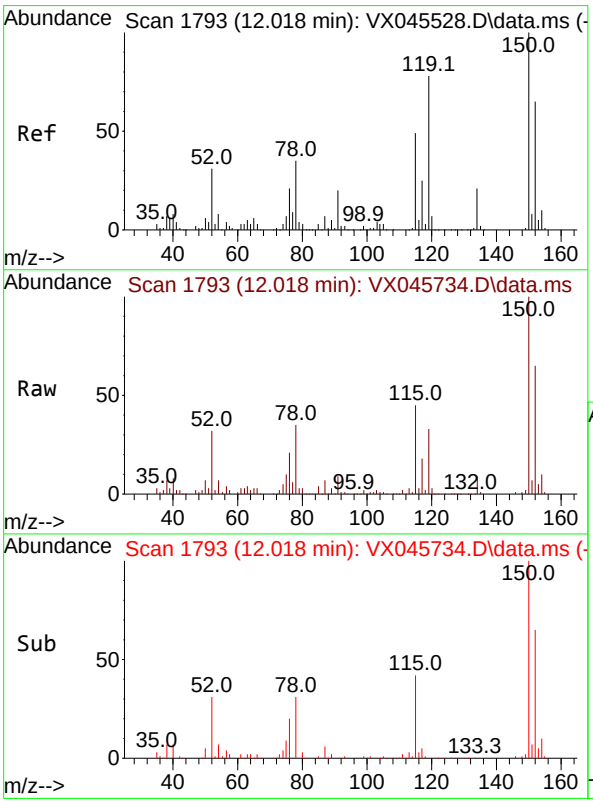
Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

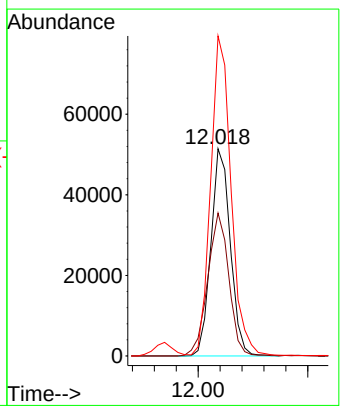
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

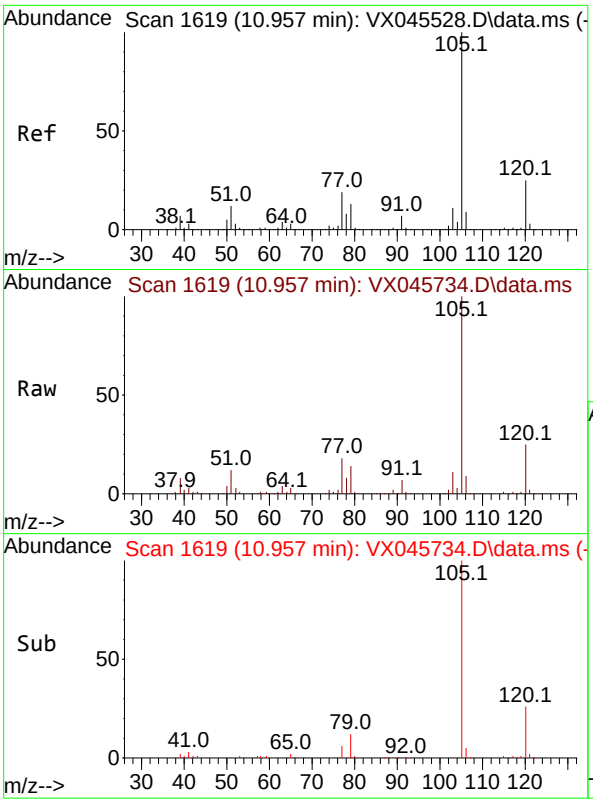


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:152 Resp: 63206

Ion	Ratio	Lower	Upper
152	100		
115	75.4	46.9	140.7
150	162.4	0.0	349.4

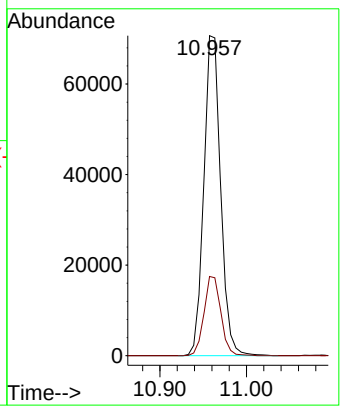




#73
Isopropylbenzene
Concen: 18.828 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:105 Resp: 9532

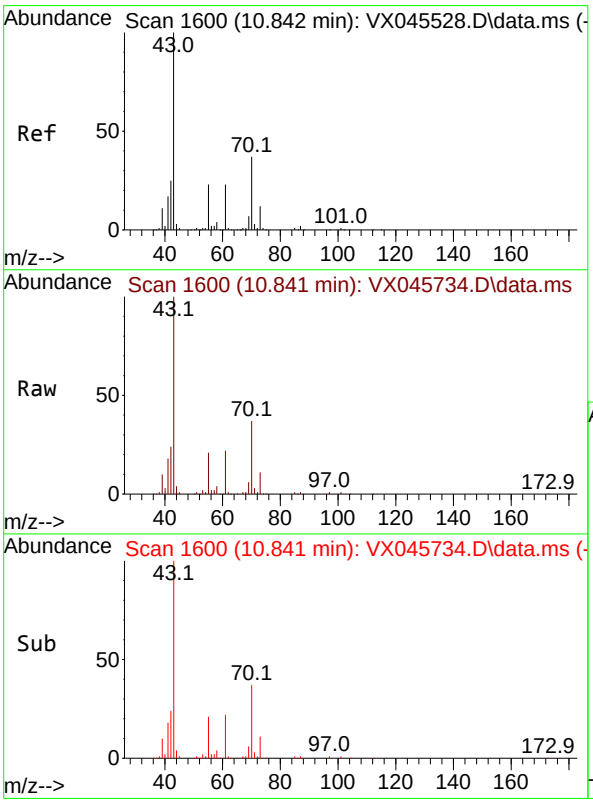
Ion	Ratio	Lower	Upper
105	100		
120	24.8	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

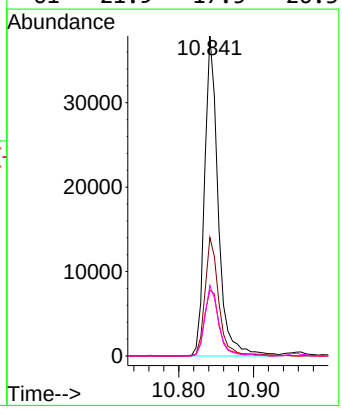
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

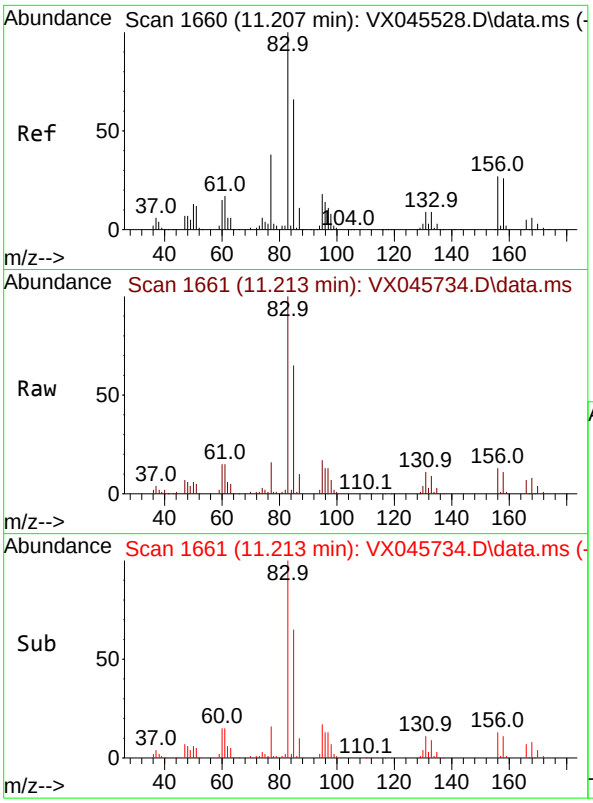


#74
N-amyl acetate
Concen: 19.782 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 43 Resp: 47908

Ion	Ratio	Lower	Upper
43	100		
70	37.6	30.1	45.1
55	22.9	18.3	27.5
61	21.9	17.5	26.3

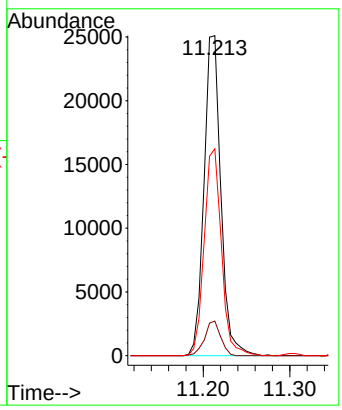




#75
1,1,2,2-Tetrachloroethane
Concen: 19.101 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 83 Resp: 3397

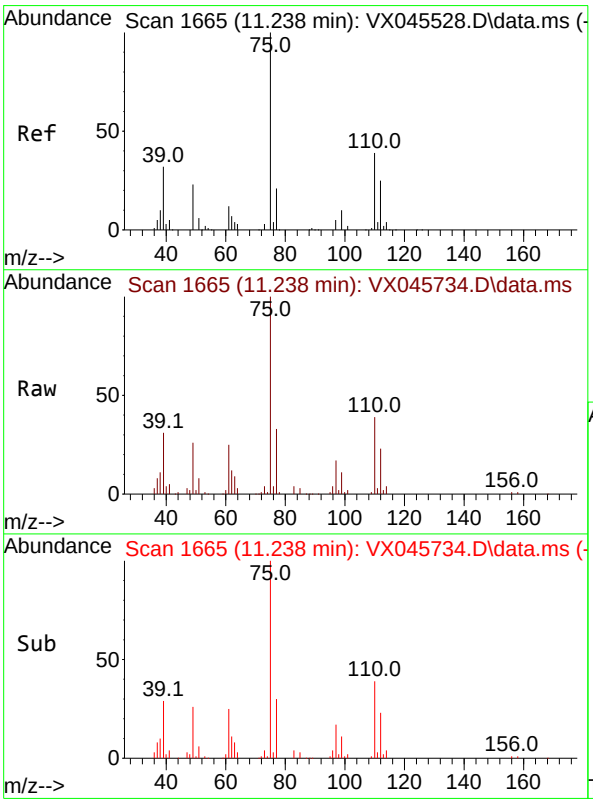
Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.7	14.1
85	66.1	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

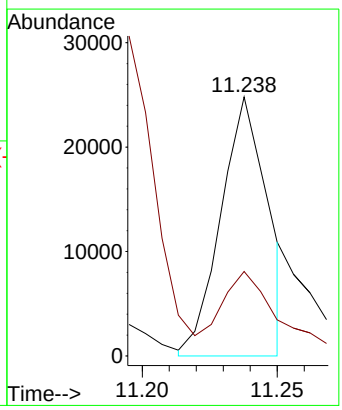
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

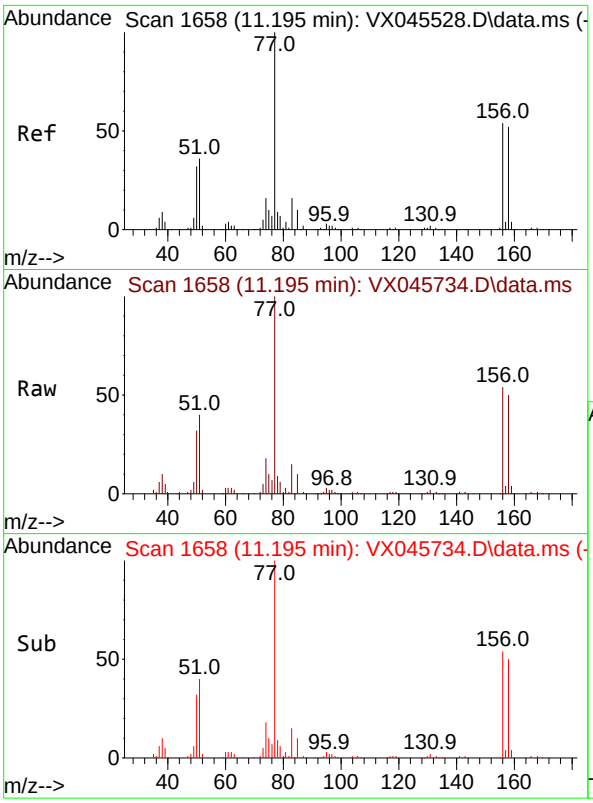


#76
1,2,3-Trichloropropane
Concen: 19.422 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 29944

Ion	Ratio	Lower	Upper
75	100		
77	41.1	20.0	59.9

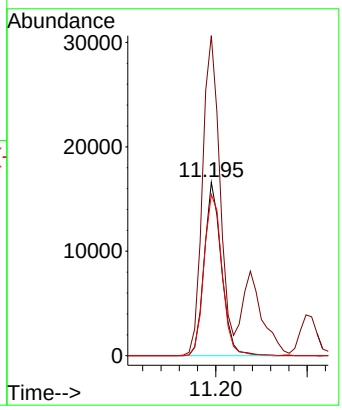




#77
Bromobenzene
Concen: 18.496 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:156 Resp: 2163

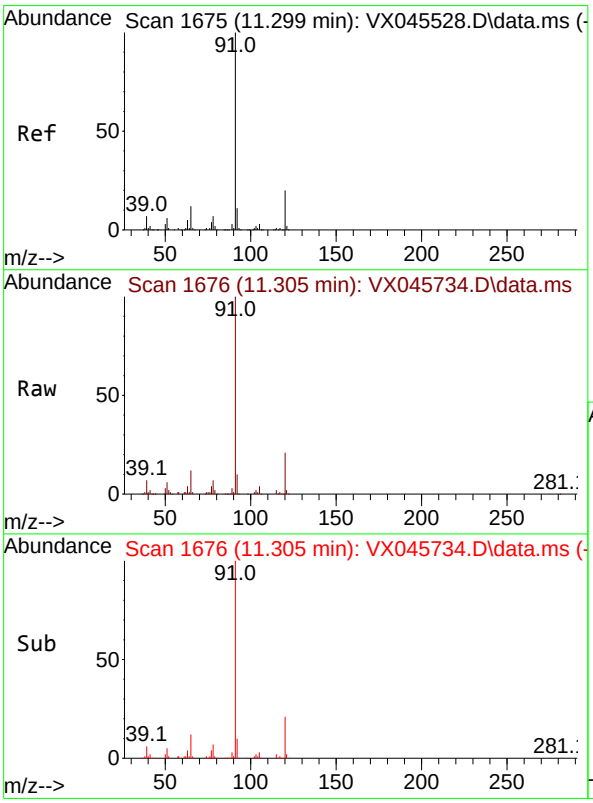
Ion	Ratio	Lower	Upper
156	100		
77	186.6	92.6	277.8
158	97.6	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

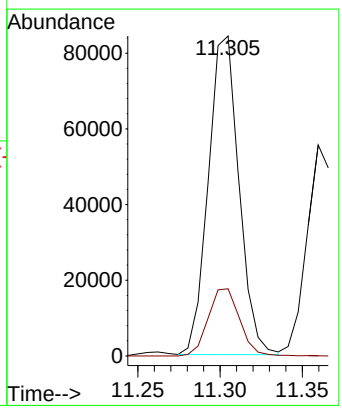
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

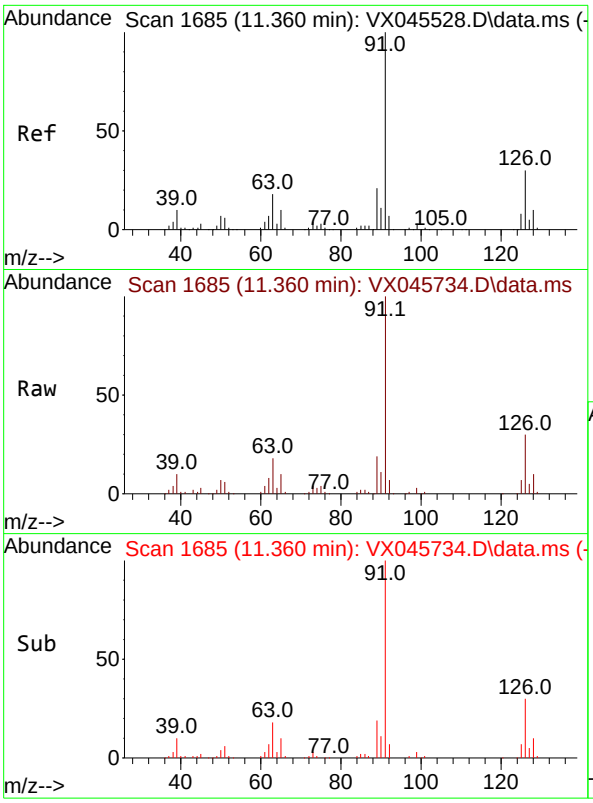


#78
n-propylbenzene
Concen: 18.729 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 91 Resp: 109219

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.3

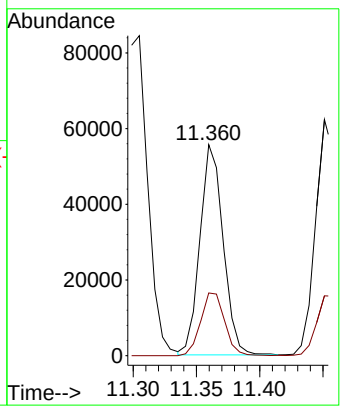




#79
2-Chlorotoluene
Concen: 19.042 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 91 Resp: 7099

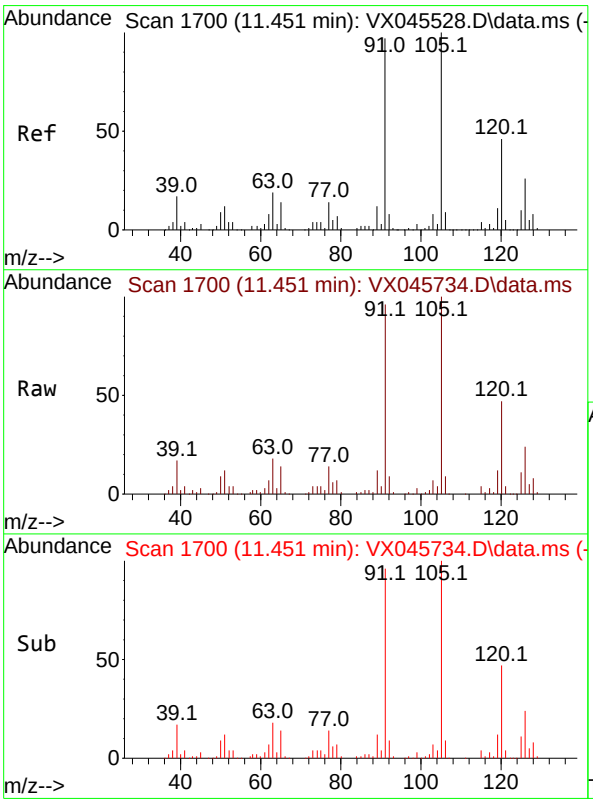
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

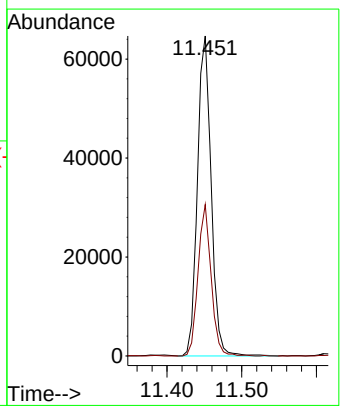
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

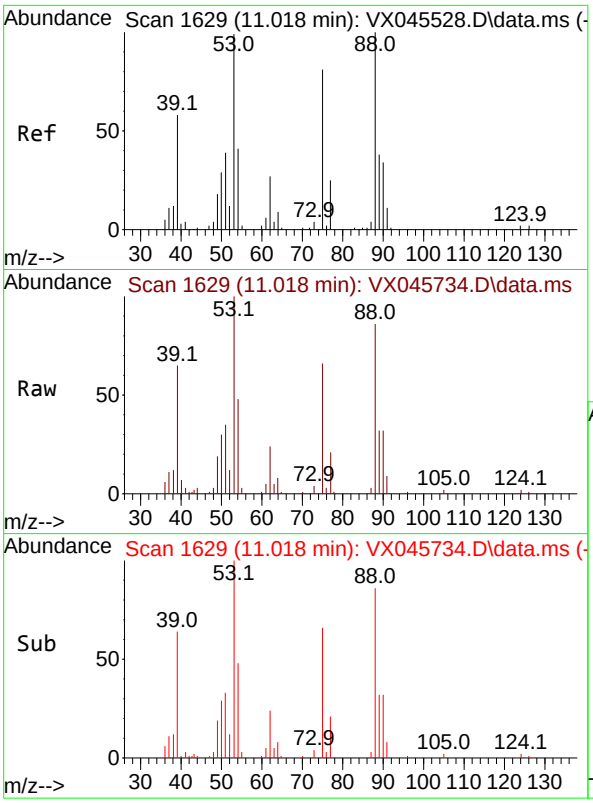


#80
1,3,5-Trimethylbenzene
Concen: 19.685 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:105 Resp: 82413

Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 16.968 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

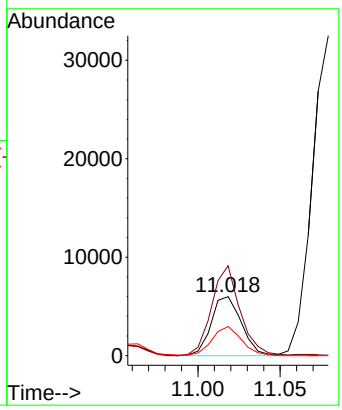
Tgt Ion: 75 Resp: 770

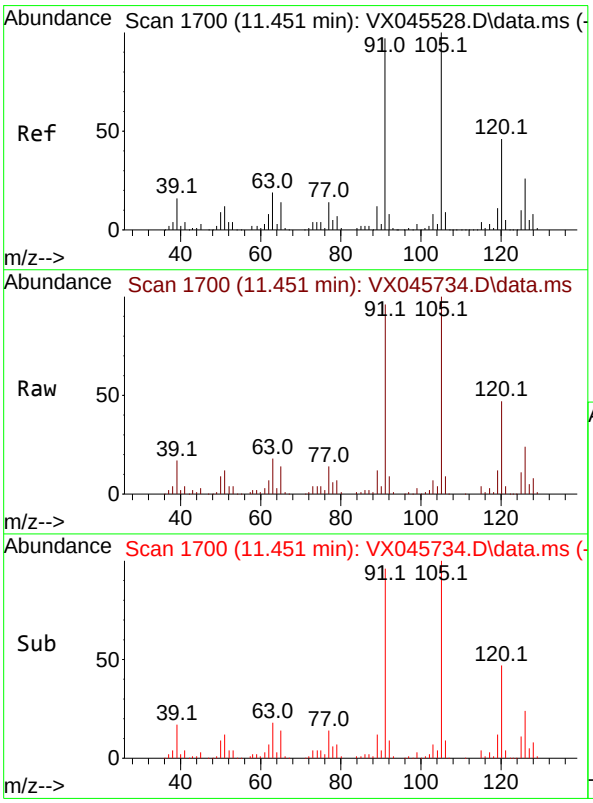
Ion	Ratio	Lower	Upper
75	100		
53	143.2	101.8	152.6
89	48.2	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

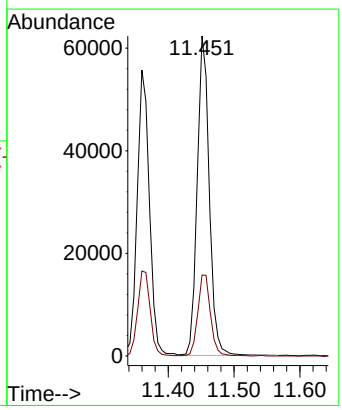


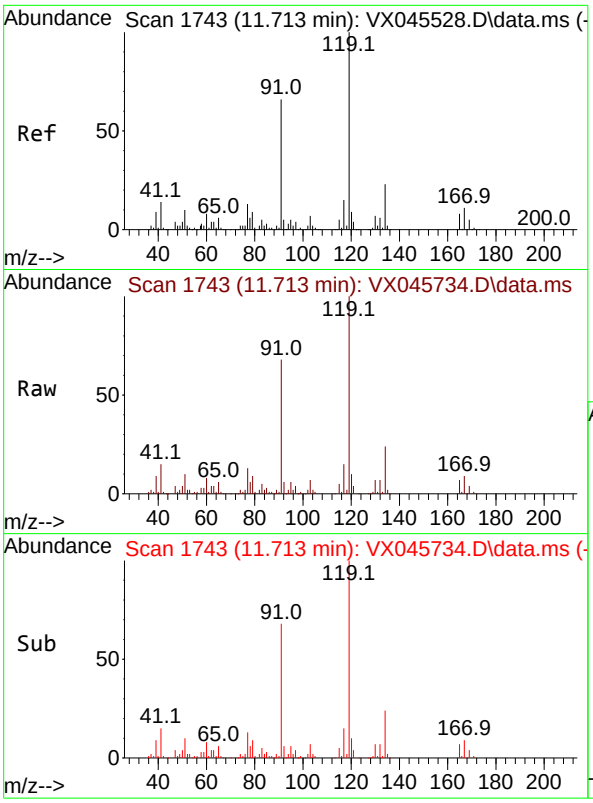


#82
4-Chlorotoluene
Concen: 19.041 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 91 Resp: 79146

Ion	Ratio	Lower	Upper
91	100		
126	26.8	13.3	39.9

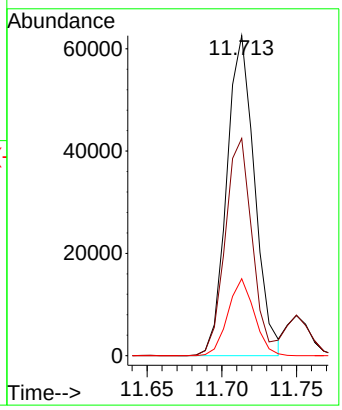




#83
tert-Butylbenzene
Concen: 19.544 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:119 Resp: 8100

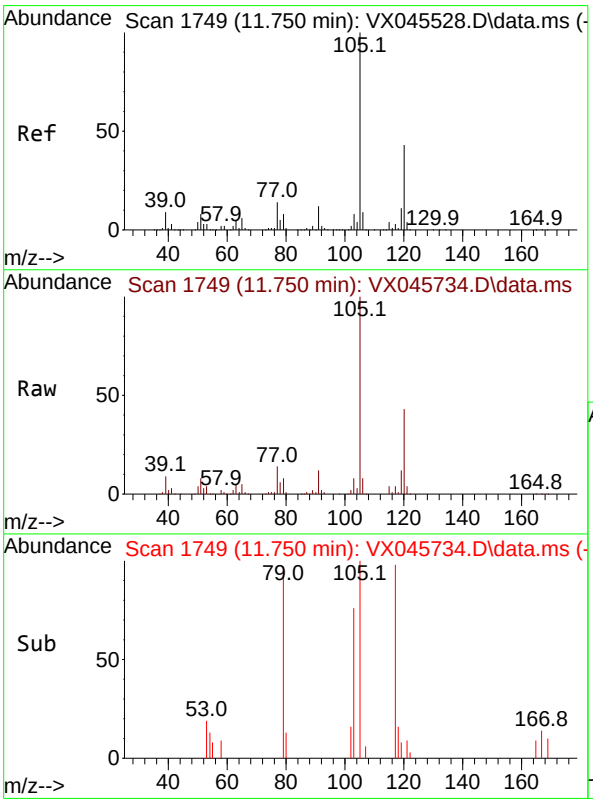
Ion	Ratio	Lower	Upper
119	100		
91	66.7	32.4	97.2
134	22.8	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

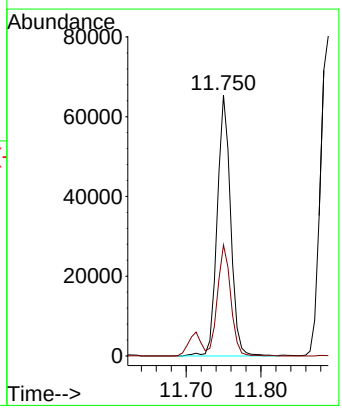
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

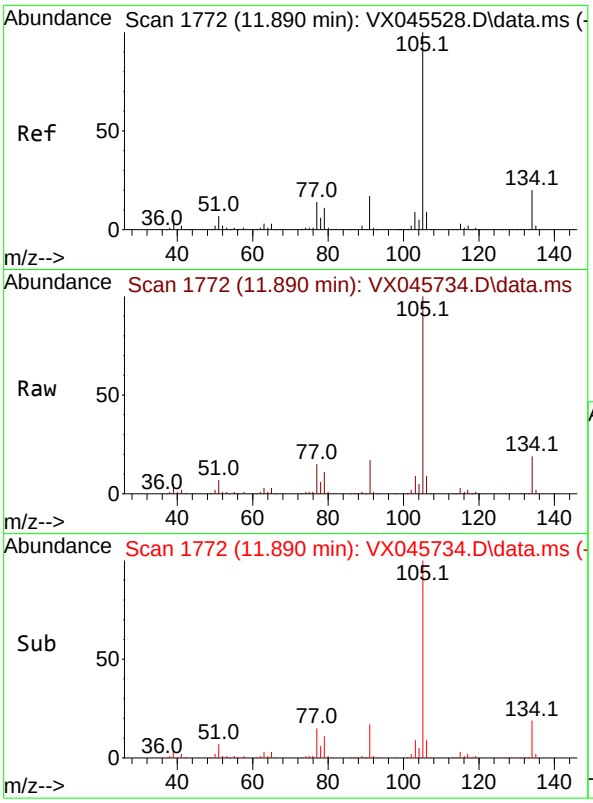


#84
1,2,4-Trimethylbenzene
Concen: 19.427 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:105 Resp: 81630

Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.4	64.3





#85
sec-Butylbenzene
Concen: 19.646 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

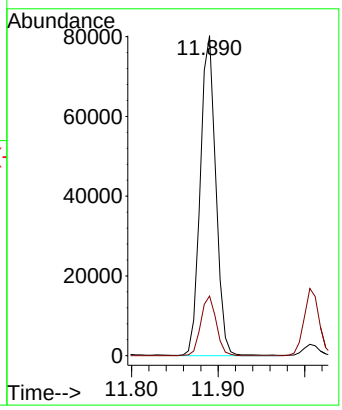
Tgt Ion:105 Resp: 10001

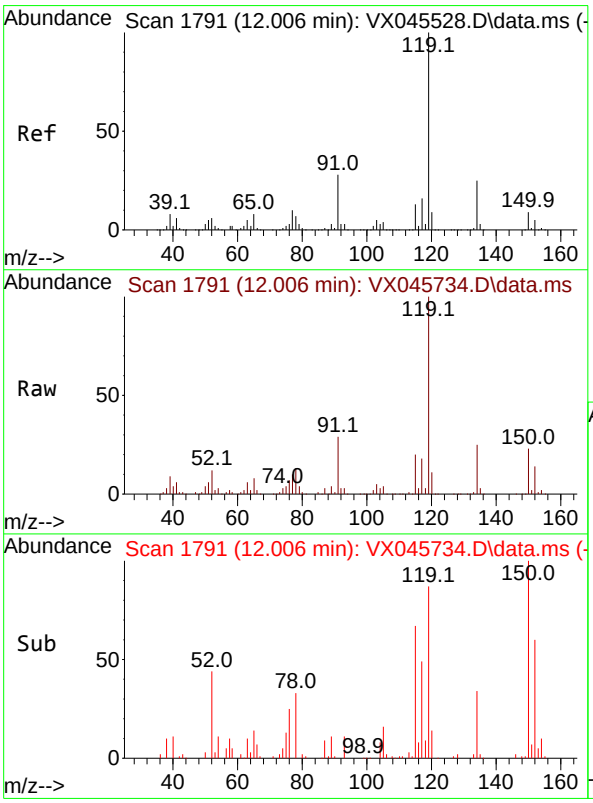
Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.6	28.6

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

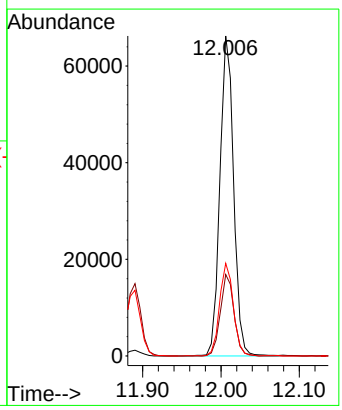


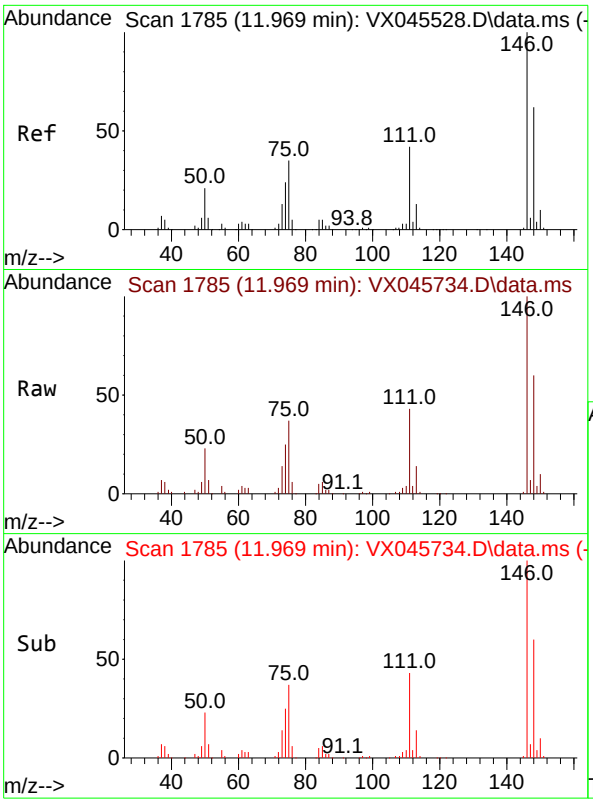


#86
p-Isopropyltoluene
Concen: 19.230 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:119 Resp: 80710

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.6	37.8
91	29.1	13.7	41.1

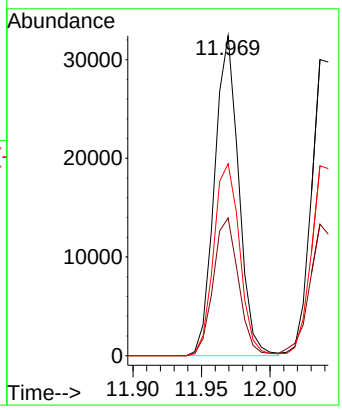




#87
1,3-Dichlorobenzene
Concen: 18.700 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:146 Resp: 3981

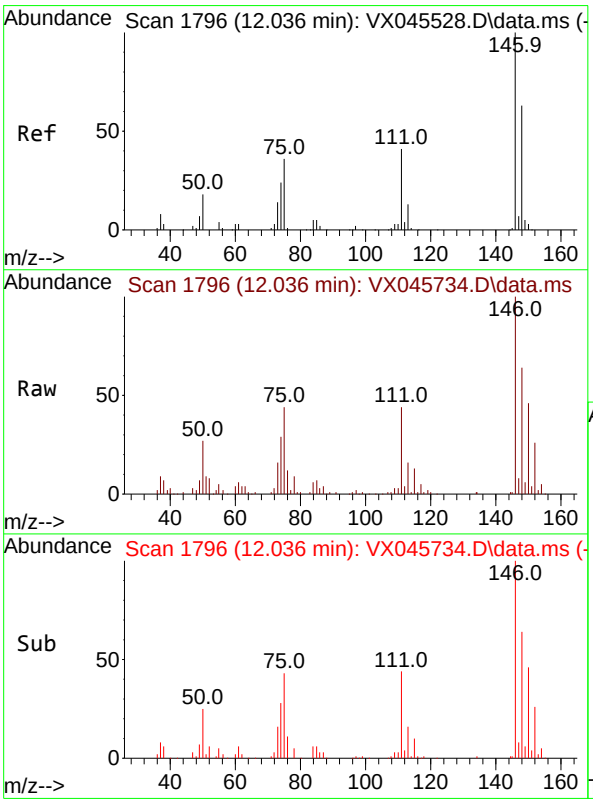
Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.2	66.6
148	64.5	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

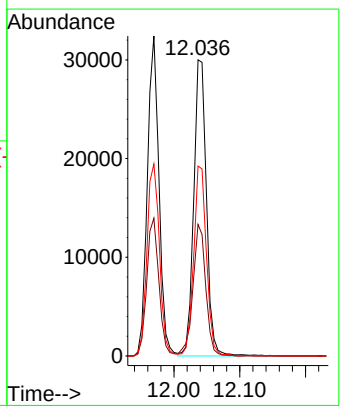
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

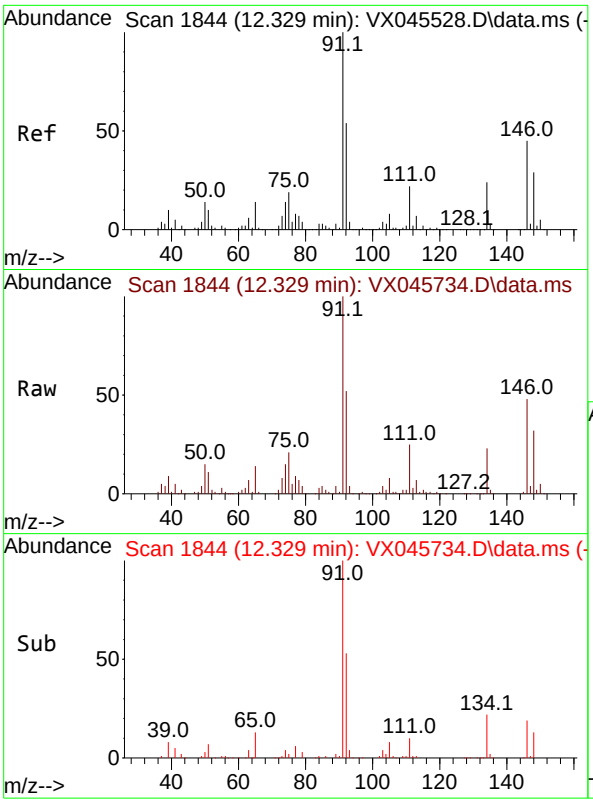


#88
1,4-Dichlorobenzene
Concen: 18.625 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:146 Resp: 40207

Ion	Ratio	Lower	Upper
146	100		
111	44.9	20.9	62.8
148	64.5	31.5	94.5

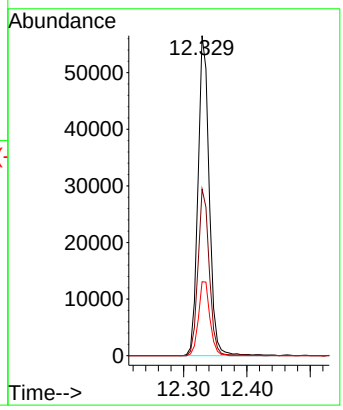




#89
n-Butylbenzene
Concen: 19.237 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 91 Resp: 7001

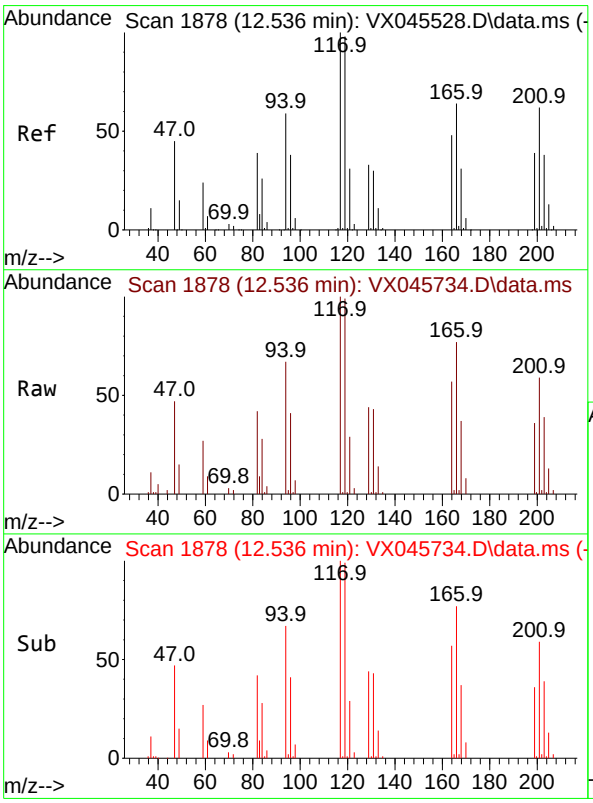
Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.9	80.6
134	23.5	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

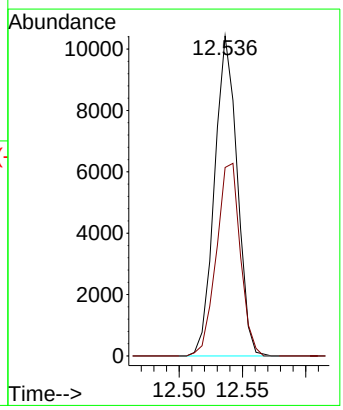
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

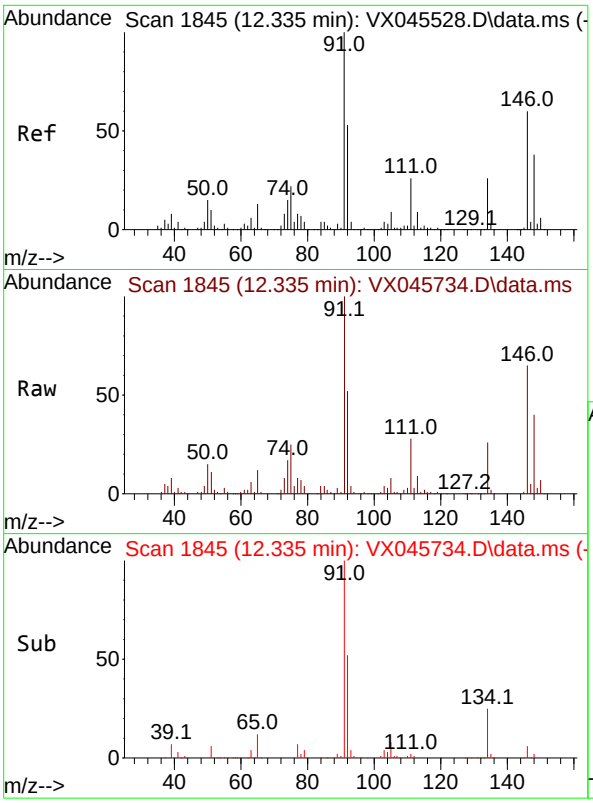


#90
Hexachloroethane
Concen: 17.984 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:117 Resp: 12972

Ion	Ratio	Lower	Upper
117	100		
201	63.7	31.2	93.6

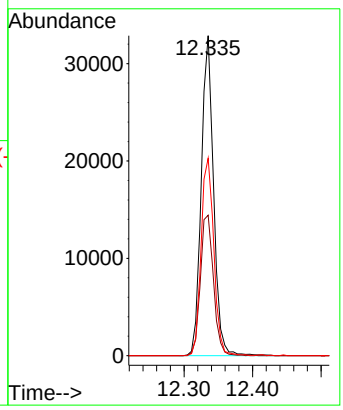




#91
1,2-Dichlorobenzene
Concen: 19.448 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:146 Resp: 4117

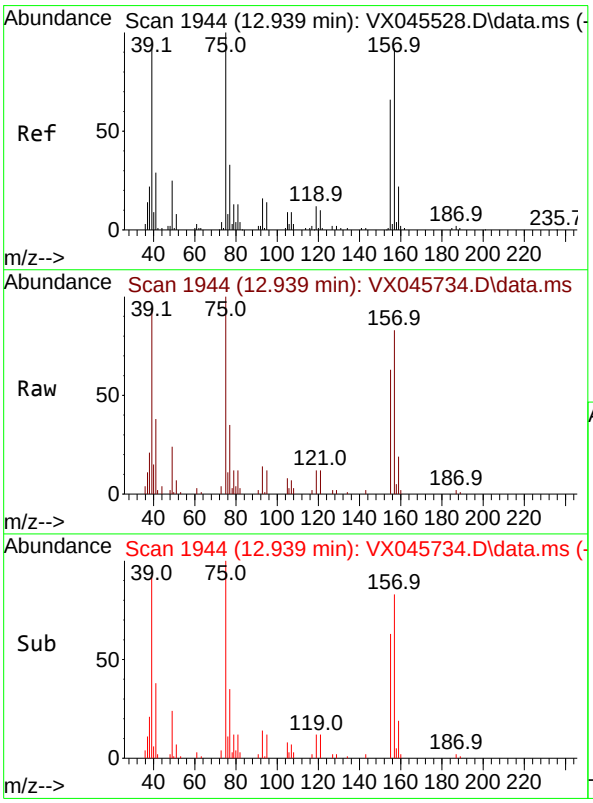
Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.9	68.8
148	63.7	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

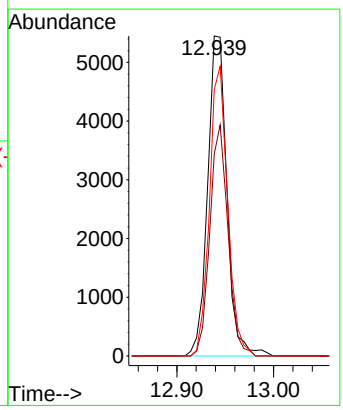
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

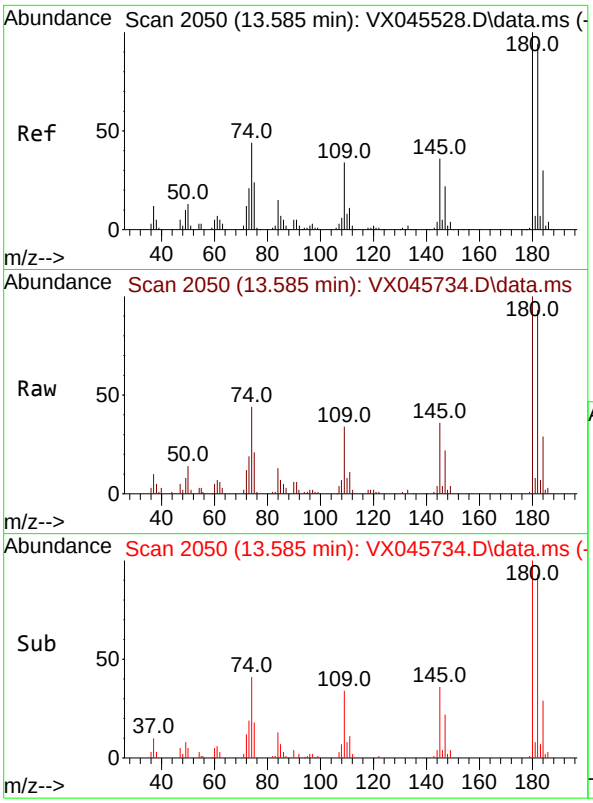


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.323 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion: 75 Resp: 7559

Ion	Ratio	Lower	Upper
75	100		
155	67.8	34.9	104.7
157	85.7	44.9	134.7

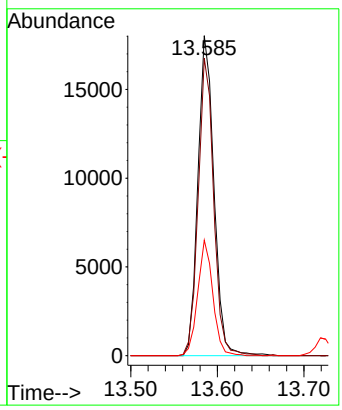




#93
1,2,4-Trichlorobenzene
Concen: 19.650 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:180 Resp: 2315

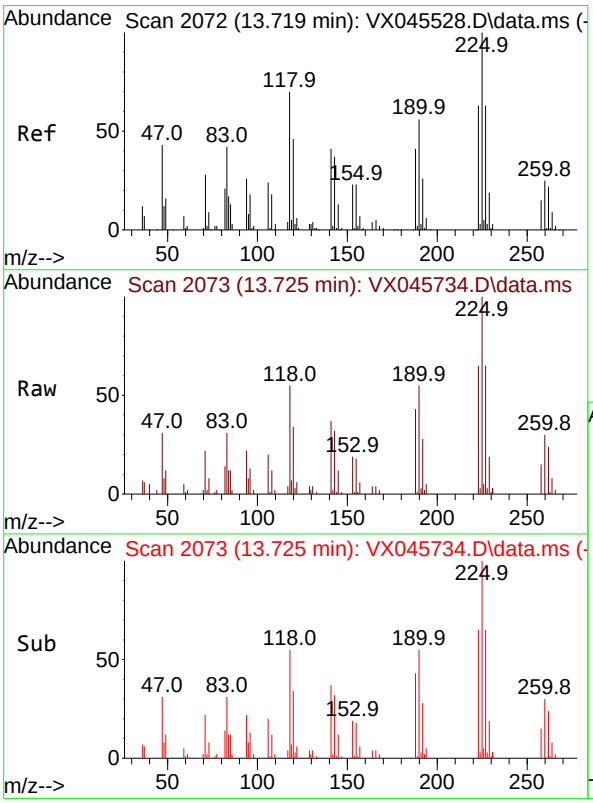
Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.9	143.6
145	34.2	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

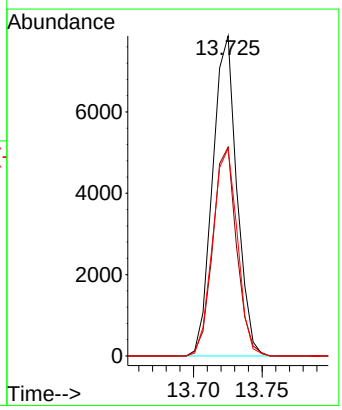
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

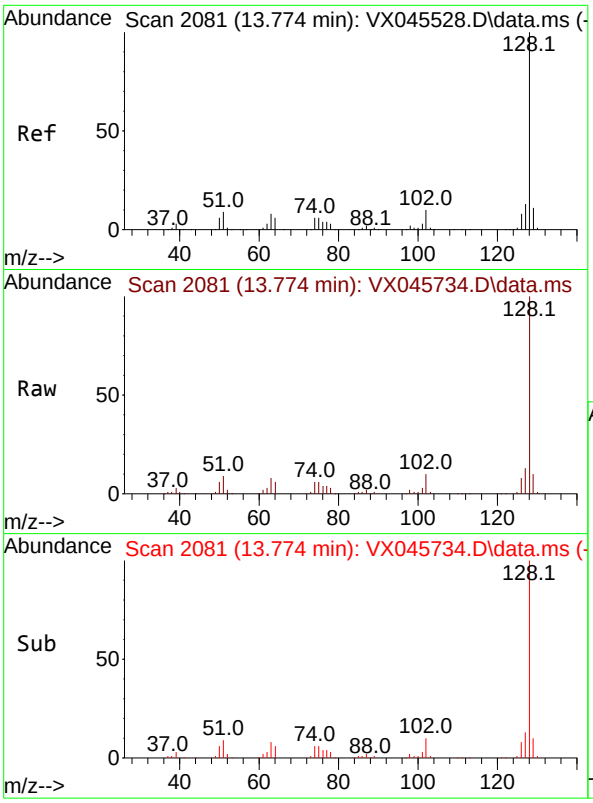


#94
Hexachlorobutadiene
Concen: 19.053 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:225 Resp: 9675

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.1	93.3
227	66.1	32.2	96.6

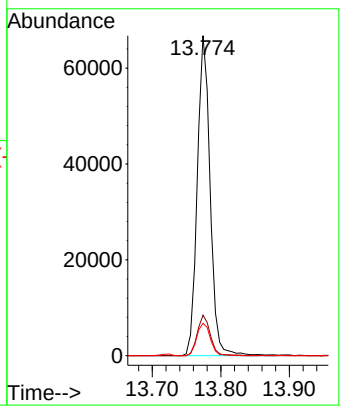




#95
Naphthalene
Concen: 19.903 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:128 Resp: 8728

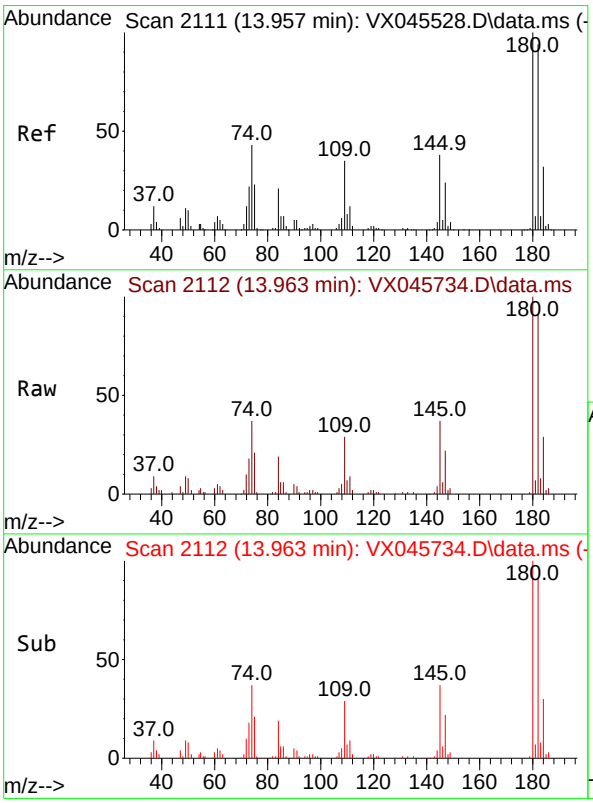
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Manual Integrations
APPROVED

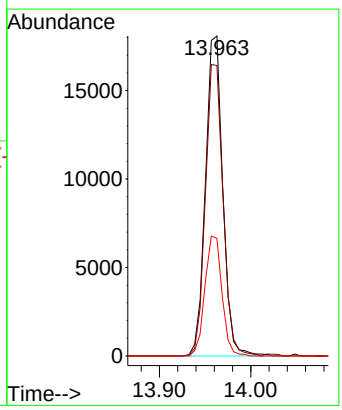
Reviewed By :John Carlone 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.280 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045734.D
Acq: 11 Apr 2025 12:22

Tgt Ion:180 Resp: 23791

Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.3	141.8
145	36.8	18.2	54.6



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/10/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/10/25
Client Sample ID:	S-872-G1-SO-20.0-20.5-041025MS	SDG No.:	Q1790
Lab Sample ID:	Q1790-02MS	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	76.1
Sample Wt/Vol:	7.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021895.D	1		04/15/25 14:49	VY041525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
79-01-6	Trichloroethene	76.2		0.72	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		63 - 155	93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	49.1		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		38 - 136	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	7.707			
540-36-3	1,4-Difluorobenzene	248000	8.616			
3114-55-4	Chlorobenzene-d5	223000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	117000	13.346			

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\VY041525\
Data File : VY021895.D
Acq On : 15 Apr 2025 14:49
Operator : SY/MD
Sample : Q1790-02MS
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 16 03:02:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	160960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	248136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	223338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	117205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	80929	46.405	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 92.820%			
35) Dibromofluoromethane	7.634	113	79187	49.196	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.400%			
50) Toluene-d8	10.109	98	300662	49.100	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.200%			
62) 4-Bromofluorobenzene	12.408	95	103457	49.949	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	79663	47.751	ug/l	97
3) Chloromethane	2.068	50	97861	41.716	ug/l	98
4) Vinyl Chloride	2.202	62	120311	45.349	ug/l	99
5) Bromomethane	2.598	94	75470	41.709	ug/l	98
6) Chloroethane	2.739	64	75741	43.630	ug/l	95
7) Trichlorofluoromethane	3.062	101	169663	49.923	ug/l	99
8) Diethyl Ether	3.458	74	41166	44.542	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	95852	53.476	ug/l	99
10) Methyl Iodide	4.001	142	100928	51.326	ug/l	98
11) Tert butyl alcohol	4.866	59	21242	187.527	ug/l #	84
12) 1,1-Dichloroethene	3.793	96	83728	49.593	ug/l	91
13) Acrolein	3.653	56	8597	41.565	ug/l	94
14) Allyl chloride	4.391	41	109479	40.670	ug/l	99
15) Acrylonitrile	5.061	53	84714	219.529	ug/l	99
16) Acetone	3.873	43	71054	199.076	ug/l	97
17) Carbon Disulfide	4.110	76	252120	45.339	ug/l	99
18) Methyl Acetate	4.385	43	53263	60.212	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	192454	45.786	ug/l	97
20) Methylene Chloride	4.616	84	94364	54.368	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	89380	48.082	ug/l	97
22) Diisopropyl ether	6.018	45	268487	47.546	ug/l	96
23) Vinyl Acetate	5.957	43	574416	173.885	ug/l	100
24) 1,1-Dichloroethane	5.915	63	166322	49.258	ug/l	98
25) 2-Butanone	6.896	43	103822	203.656	ug/l	98
26) 2,2-Dichloropropane	6.890	77	139644	46.493	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	162877	77.915	ug/l	94
28) Bromochloromethane	7.244	49	68238	47.920	ug/l	95
29) Tetrahydrofuran	7.262	42	68317	208.223	ug/l	100
30) Chloroform	7.421	83	171198	48.747	ug/l	98
31) Cyclohexane	7.701	56	148991	48.406	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	159419	50.224	ug/l	100
36) 1,1-Dichloropropene	7.835	75	122616	50.013	ug/l	97
37) Ethyl Acetate	6.982	43	47259	40.844	ug/l #	80
38) Carbon Tetrachloride	7.817	117	147722	52.607	ug/l	99
39) Methylcyclohexane	9.109	83	160474	54.791	ug/l	96
40) Benzene	8.079	78	368400	50.175	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021895.D
Acq On : 15 Apr 2025 14:49
Operator : SY/MD
Sample : Q1790-02MS
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 16 03:02:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	28752	46.791 ug/l #	100
42) 1,2-Dichloroethane	8.158	62	100863	48.729 ug/l	99
43) Isopropyl Acetate	8.195	43	95761	43.672 ug/l	99
44) Trichloroethene	8.866	130	160460	85.774 ug/l	99
45) 1,2-Dichloropropane	9.140	63	86559	49.805 ug/l	99
46) Dibromomethane	9.231	93	48661	48.582 ug/l	99
47) Bromodichloromethane	9.426	83	129157	49.764 ug/l	95
48) Methyl methacrylate	9.219	41	46161	45.869 ug/l	99
49) 1,4-Dioxane	9.231	88	9496	885.001 ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	252335	221.136 ug/l	100
52) Toluene	10.170	92	233003	50.864 ug/l	98
53) t-1,3-Dichloropropene	10.396	75	110130	47.773 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	129117	47.476 ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	64135	49.757 ug/l	98
56) Ethyl methacrylate	10.438	69	75570	45.915 ug/l	100
57) 1,3-Dichloropropane	10.719	76	108969	48.950 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	210306	261.930 ug/l	99
59) 2-Hexanone	10.762	43	164590	216.582 ug/l	99
60) Dibromochloromethane	10.914	129	88941	50.539 ug/l	100
61) 1,2-Dibromoethane	11.011	107	59906	49.544 ug/l	99
64) Tetrachloroethene	10.646	164	113161	55.632 ug/l	97
65) Chlorobenzene	11.438	112	249621	48.758 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	90527	49.837 ug/l	99
67) Ethyl Benzene	11.517	91	436863	49.762 ug/l	99
68) m/p-Xylenes	11.627	106	341492	101.582 ug/l	98
69) o-Xylene	11.956	106	158008	50.918 ug/l	99
70) Styrene	11.969	104	264416	51.105 ug/l	99
71) Bromoform	12.133	173	50185	48.435 ug/l	100
73) Isopropylbenzene	12.255	105	427817	49.145 ug/l	100
74) N-amyl acetate	12.072	43	78242	38.297 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	65184	41.648 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	51397m	44.239 ug/l	
77) Bromobenzene	12.529	156	99369	47.542 ug/l	96
78) n-propylbenzene	12.597	91	514790	49.188 ug/l	100
79) 2-Chlorotoluene	12.676	91	289487	47.623 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	347678	48.867 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	19792	39.253 ug/l	98
82) 4-Chlorotoluene	12.779	91	295023	46.553 ug/l	98
83) tert-Butylbenzene	12.999	119	320767	50.618 ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	344493	48.990 ug/l	99
85) sec-Butylbenzene	13.176	105	472871	51.060 ug/l	100
86) p-Isopropyltoluene	13.292	119	391754	51.181 ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	192919	46.848 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	189818	46.655 ug/l	99
89) n-Butylbenzene	13.615	91	344369	48.648 ug/l	100
90) Hexachloroethane	13.877	117	82803	49.366 ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	170501	47.564 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10382	42.799 ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	91478	47.057 ug/l	99
94) Hexachlorobutadiene	15.023	225	65199	53.703 ug/l	98
95) Naphthalene	15.145	128	149216	46.309 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	78906	47.599 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021895.D
Acq On : 15 Apr 2025 14:49
Operator : SY/MD
Sample : Q1790-02MS
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 16 03:02:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

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

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

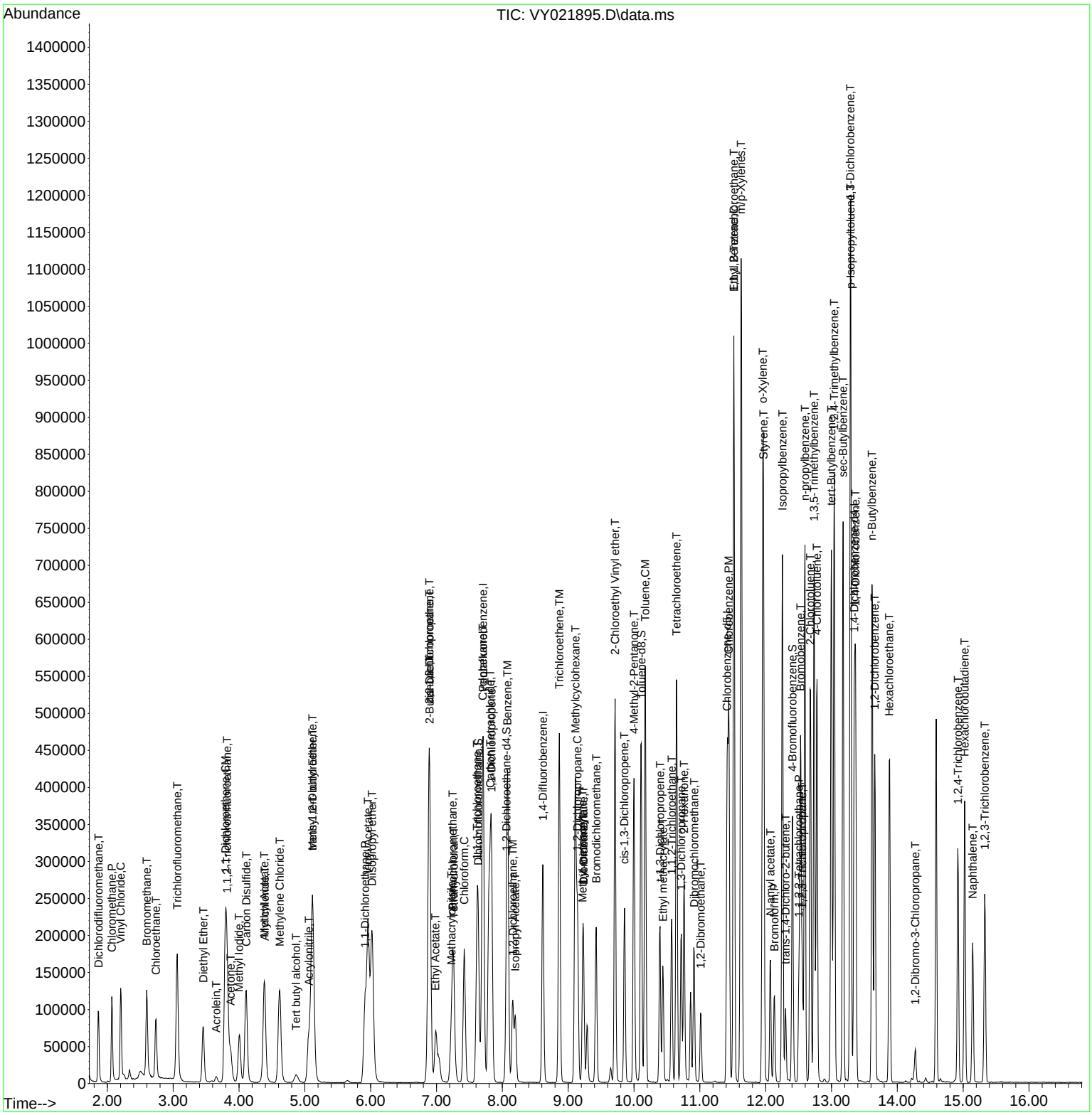
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Data File : VY021895.D
Acq On : 15 Apr 2025 14:49
Operator : SY/MD
Sample : Q1790-02MS
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

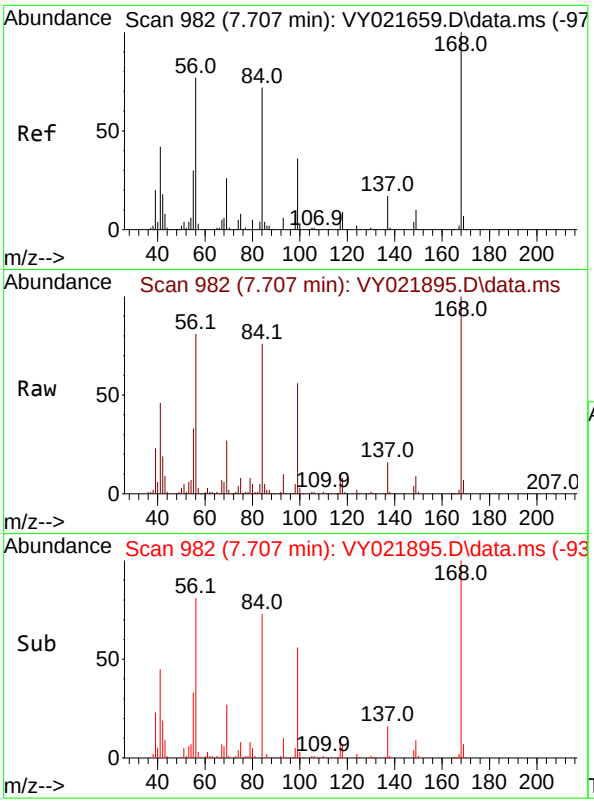
Quant Time: Apr 16 03:02:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

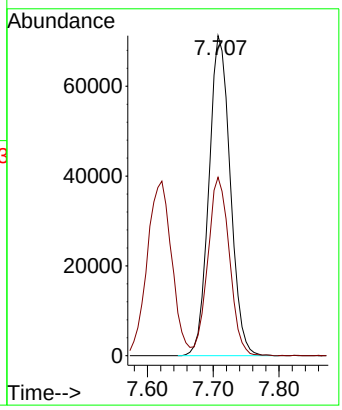




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:168 Resp: 16096

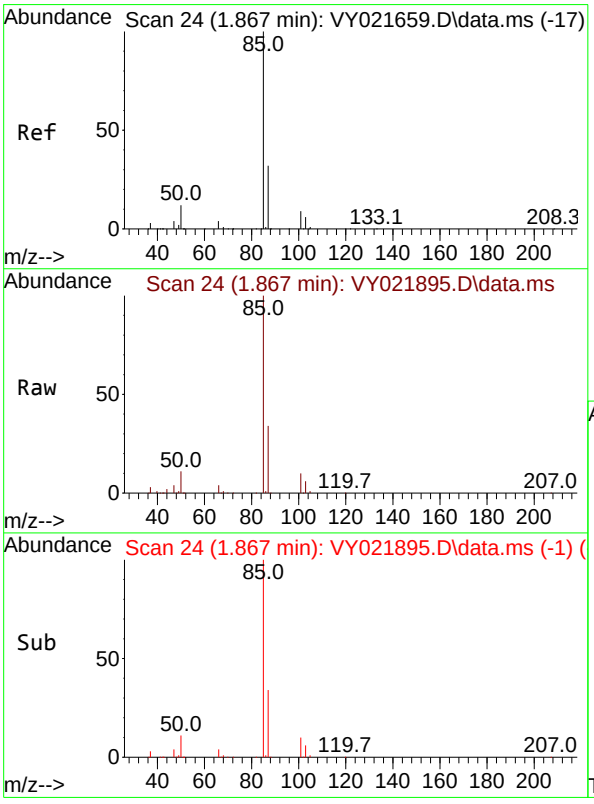
Ion	Ratio	Lower	Upper
168	100		
99	55.8	46.7	70.1



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

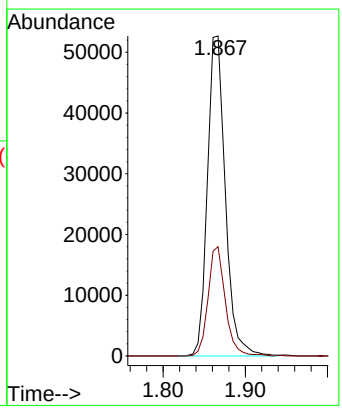
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

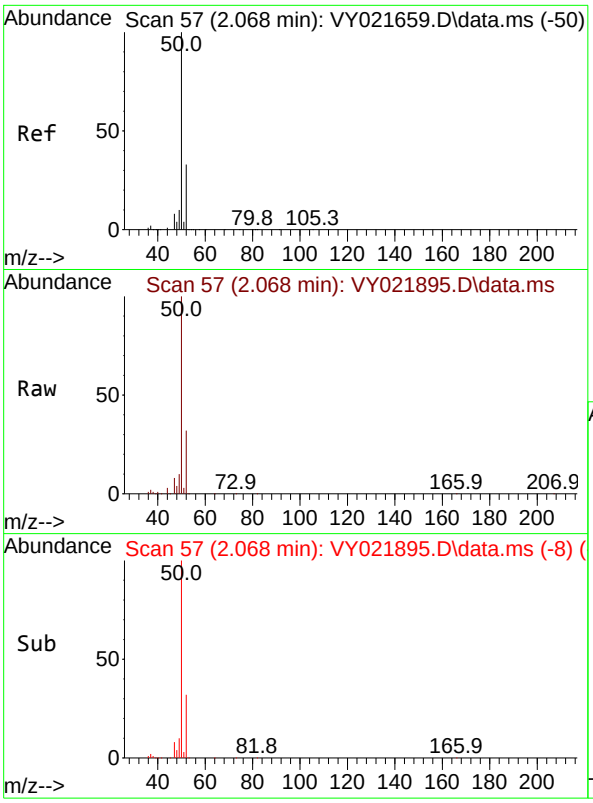


#2
Dichlorodifluoromethane
Concen: 47.751 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 85 Resp: 79663

Ion	Ratio	Lower	Upper
85	100		
87	34.2	16.2	48.6

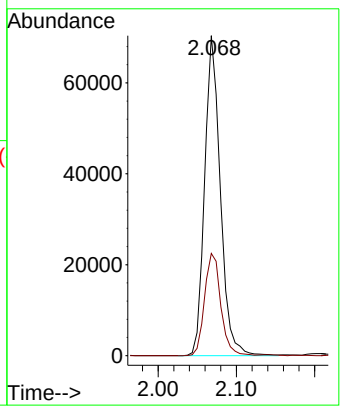




#3
Chloromethane
Concen: 41.716 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 50 Resp: 9786

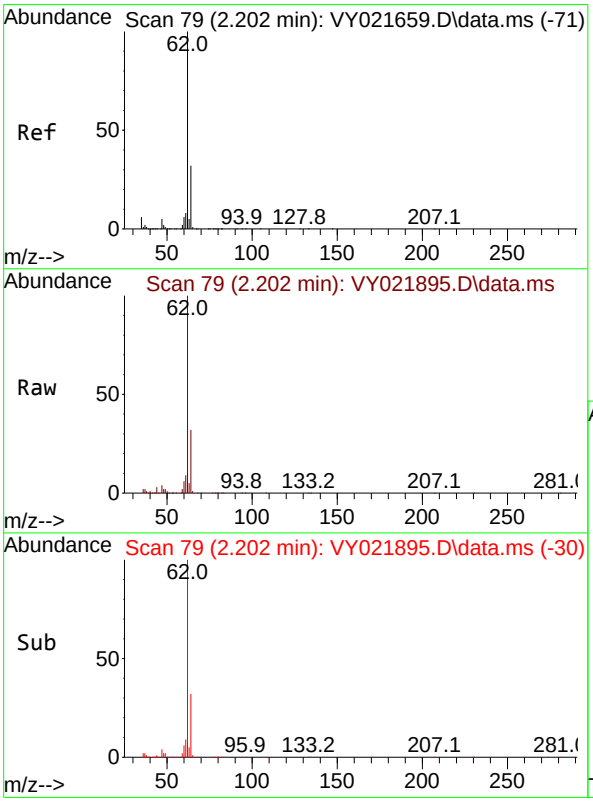
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.3	39.5



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

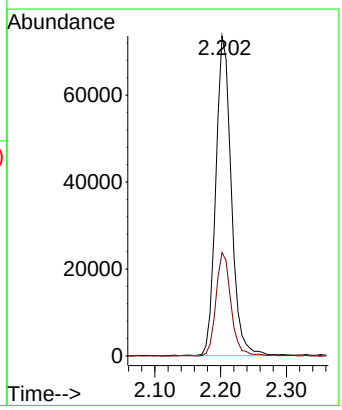
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

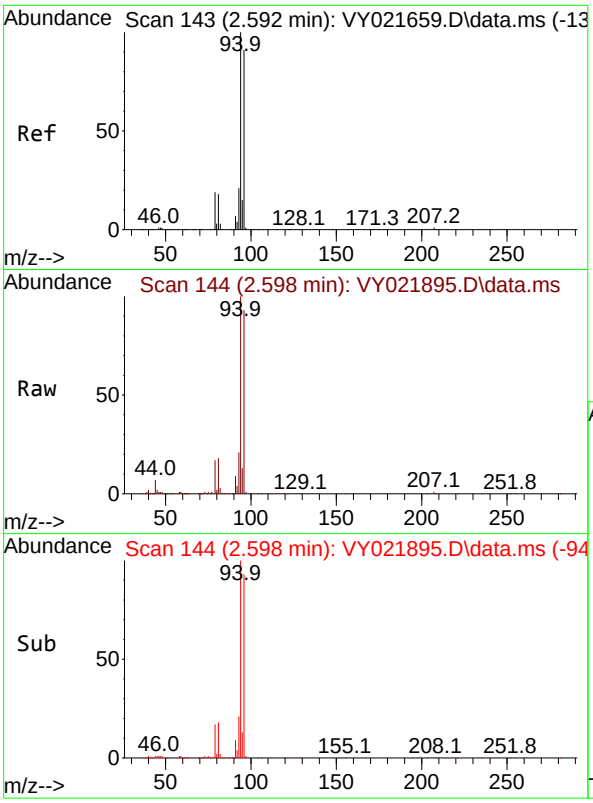


#4
Vinyl Chloride
Concen: 45.349 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 62 Resp: 120311

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.5	38.3

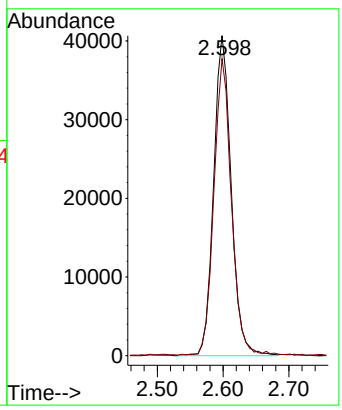




#5
Bromomethane
Concen: 41.709 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 94 Resp: 7547

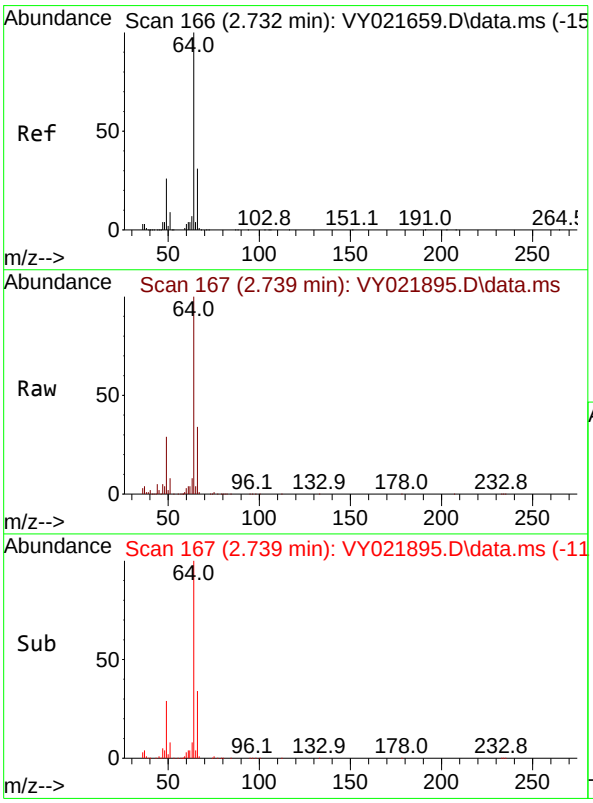
Ion	Ratio	Lower	Upper
94	100		
96	92.6	72.8	109.2



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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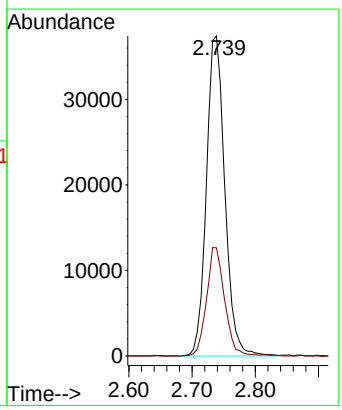
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

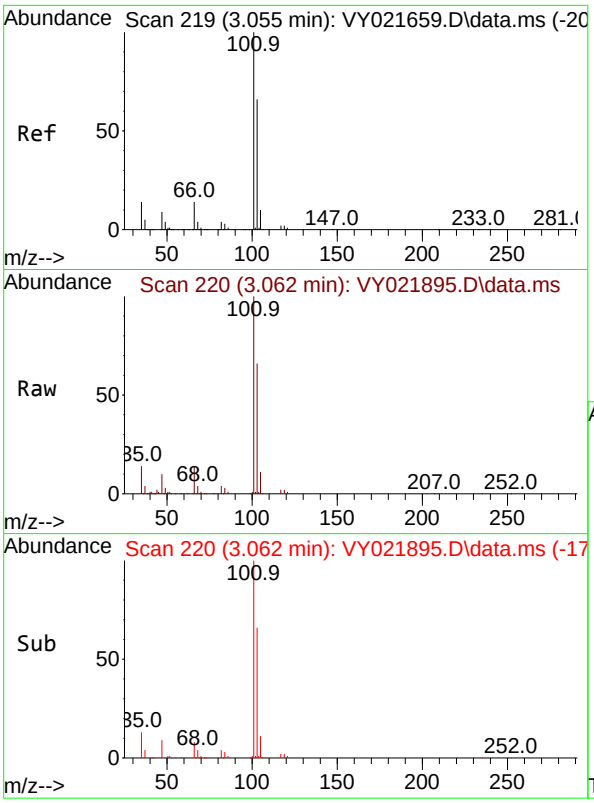


#6
Chloroethane
Concen: 43.630 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 64 Resp: 75741

Ion	Ratio	Lower	Upper
64	100		
66	33.8	24.9	37.3





#7
Trichlorofluoromethane
Concen: 49.923 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

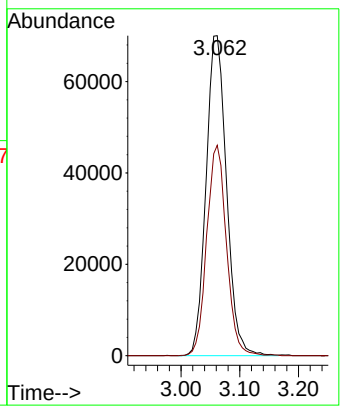
Tgt Ion:101 Resp: 16966

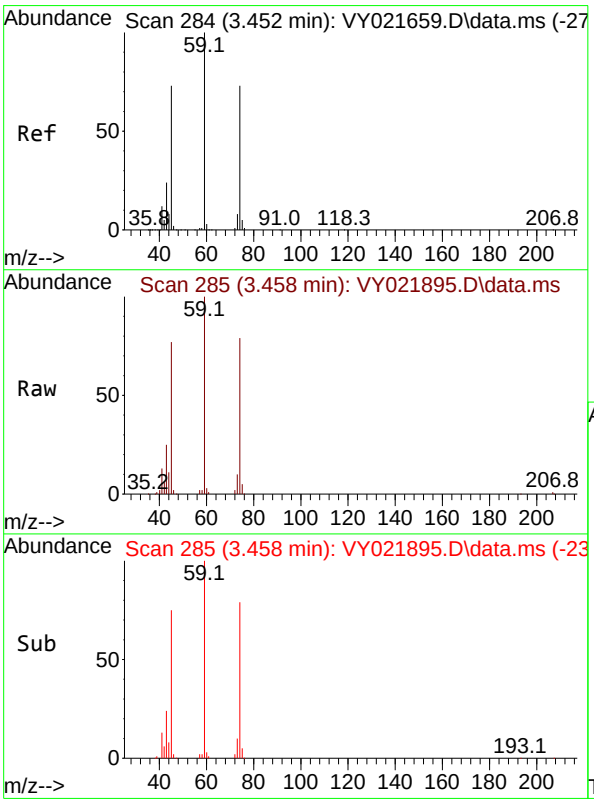
Ion	Ratio	Lower	Upper
101	100		
103	65.7	53.1	79.7

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

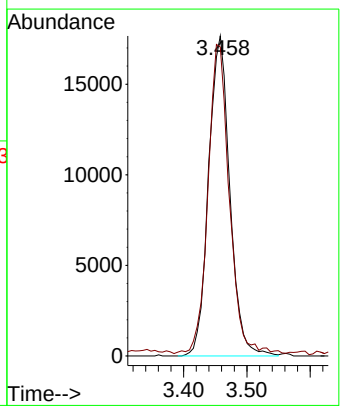


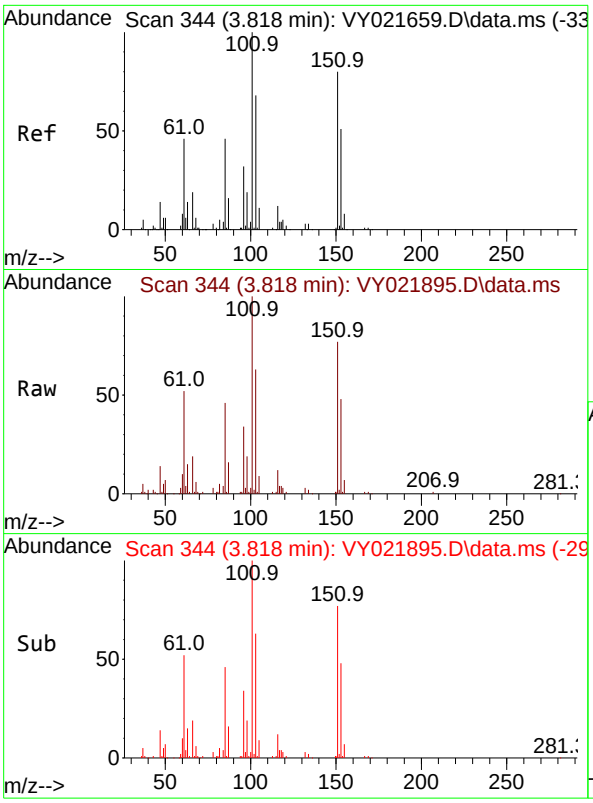


#8
Diethyl Ether
Concen: 44.542 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 74 Resp: 41166

Ion	Ratio	Lower	Upper
74	100		
45	96.7	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.476 ug/l
RT: 3.818 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

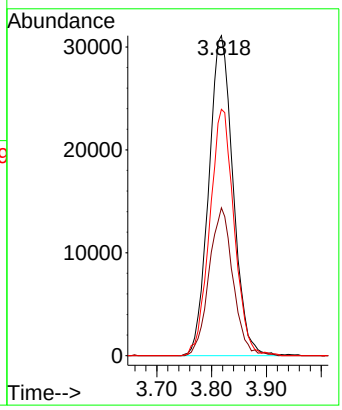
Tgt Ion:101 Resp: 9585

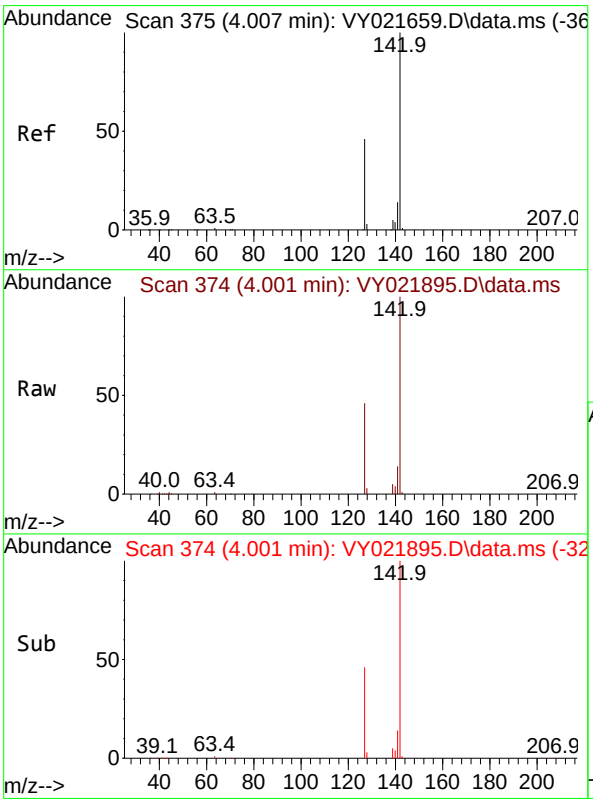
Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.3	54.5
151	77.4	61.3	91.9

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

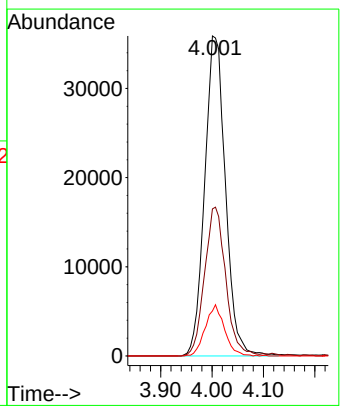


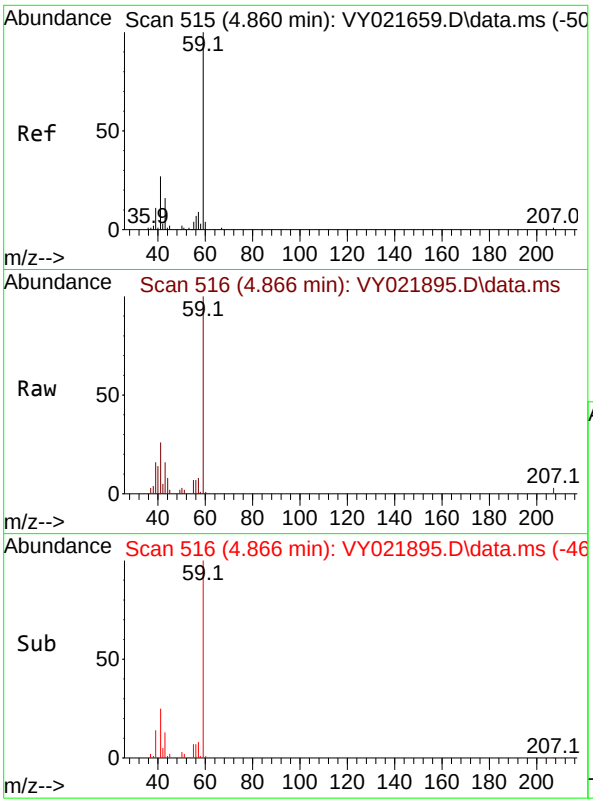


#10
Methyl Iodide
Concen: 51.326 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:142 Resp: 100928

Ion	Ratio	Lower	Upper
142	100		
127	47.2	38.7	58.1
141	14.7	11.5	17.3

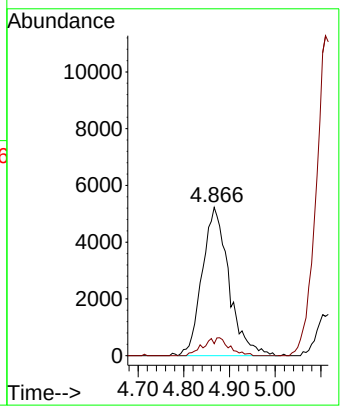




#11
Tert butyl alcohol
Concen: 187.527 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 59 Resp: 2124

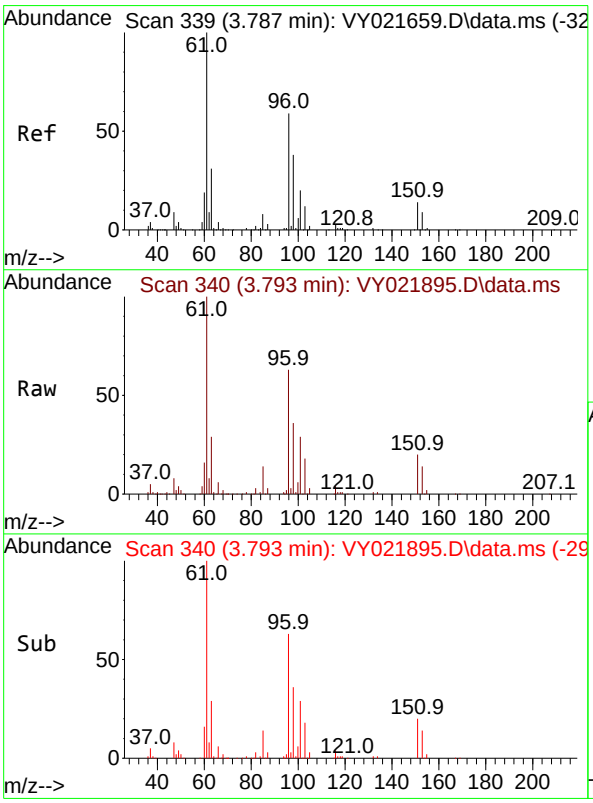
Ion	Ratio	Lower	Upper
59	100		
57	5.4	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

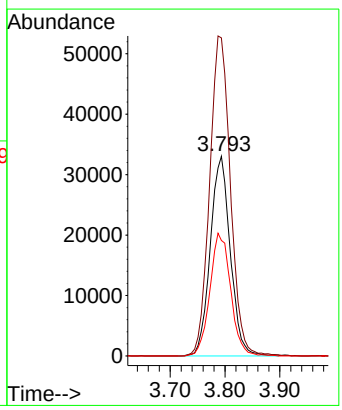
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

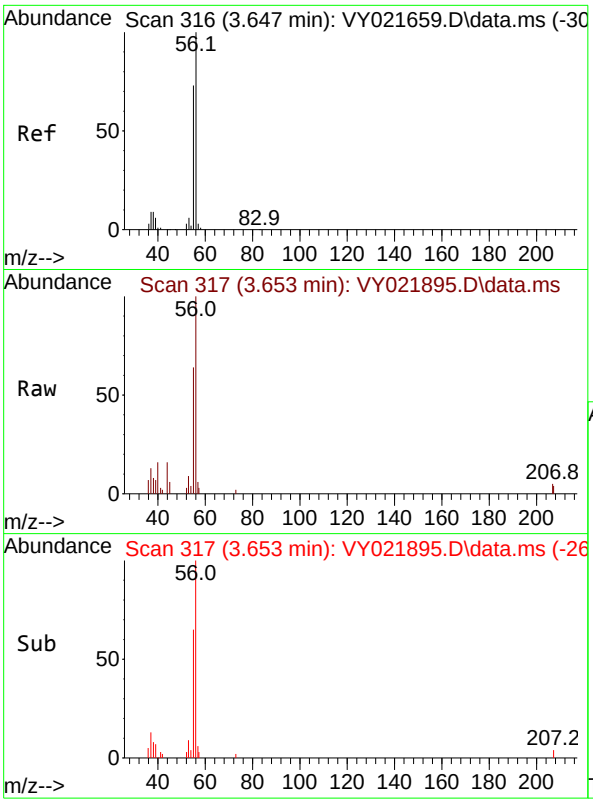


#12
1,1-Dichloroethene
Concen: 49.593 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 96 Resp: 83728

Ion	Ratio	Lower	Upper
96	100		
61	159.3	136.6	204.8
98	57.9	52.3	78.5

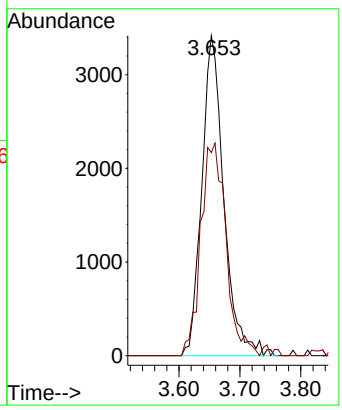




#13
Acrolein
Concen: 41.565 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 56 Resp: 859

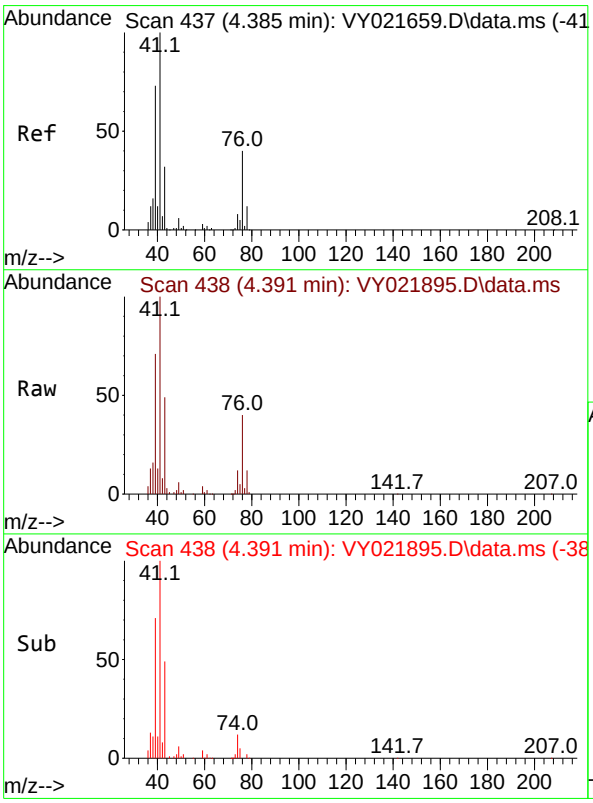
Ion	Ratio	Lower	Upper
56	100		
55	75.8	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

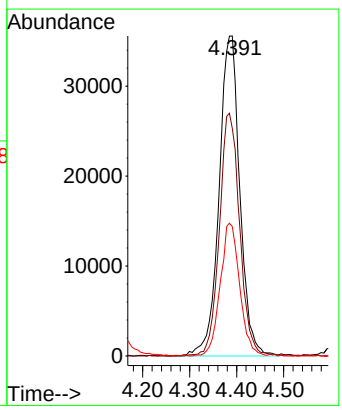
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

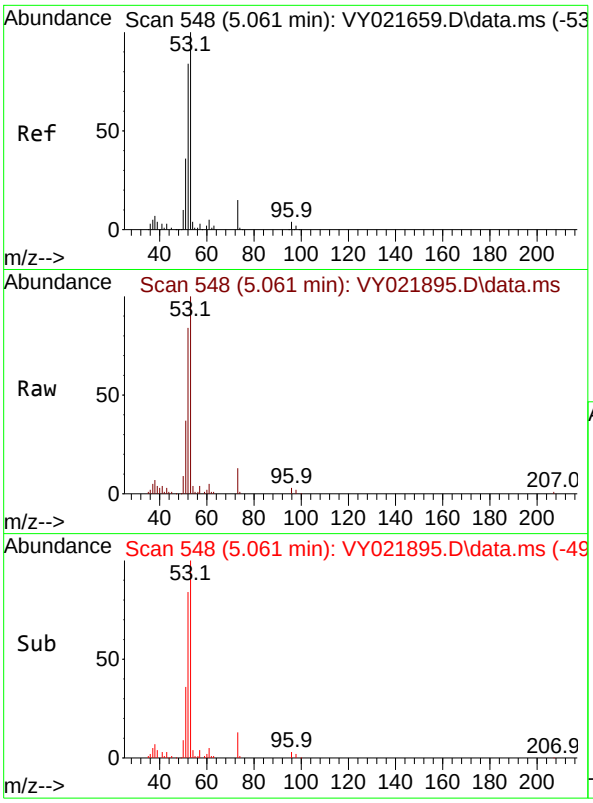


#14
Allyl chloride
Concen: 40.670 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 41 Resp: 109479

Ion	Ratio	Lower	Upper
41	100		
39	73.8	58.6	88.0
76	38.9	30.3	45.5





#15
Acrylonitrile
Concen: 219.529 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

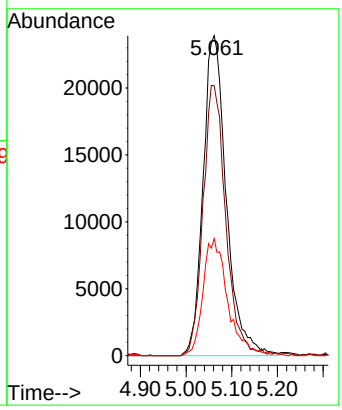
Tgt Ion: 53 Resp: 8471

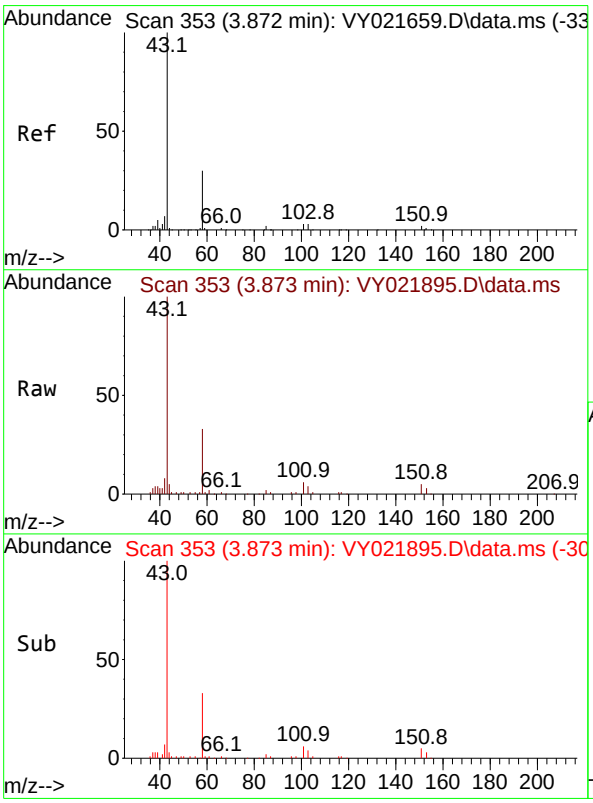
Ion	Ratio	Lower	Upper
53	100		
52	82.2	64.9	97.3
51	38.7	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

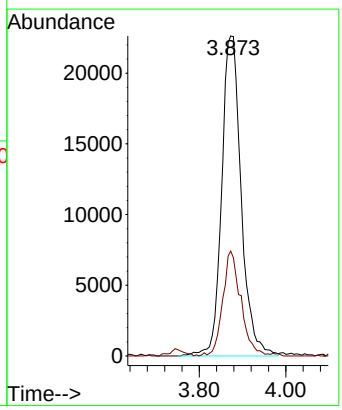


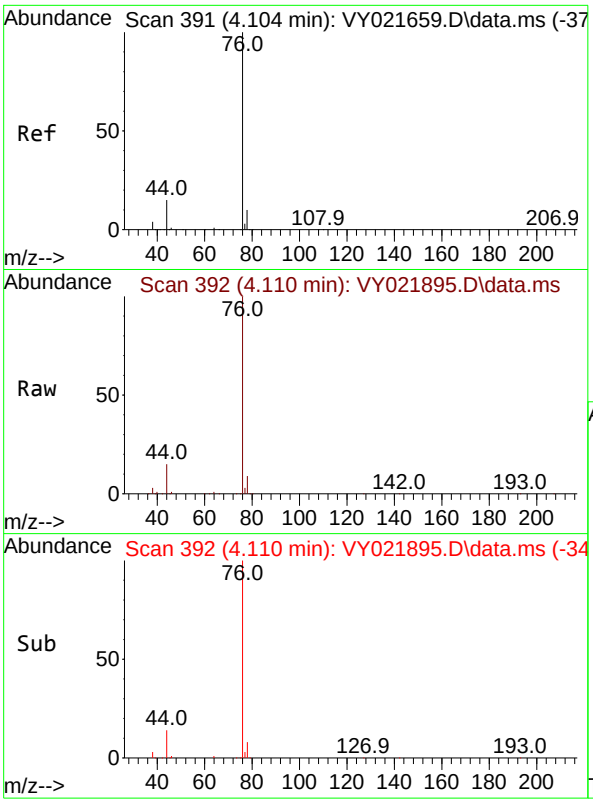


#16
Acetone
Concen: 199.076 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 43 Resp: 71054

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4

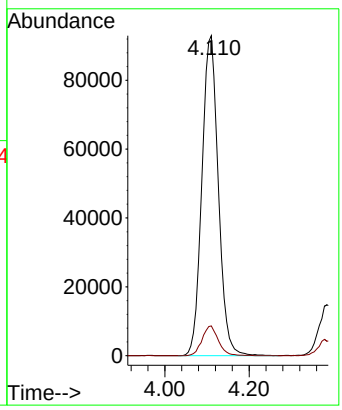




#17
Carbon Disulfide
Concen: 45.339 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 76 Resp: 25212

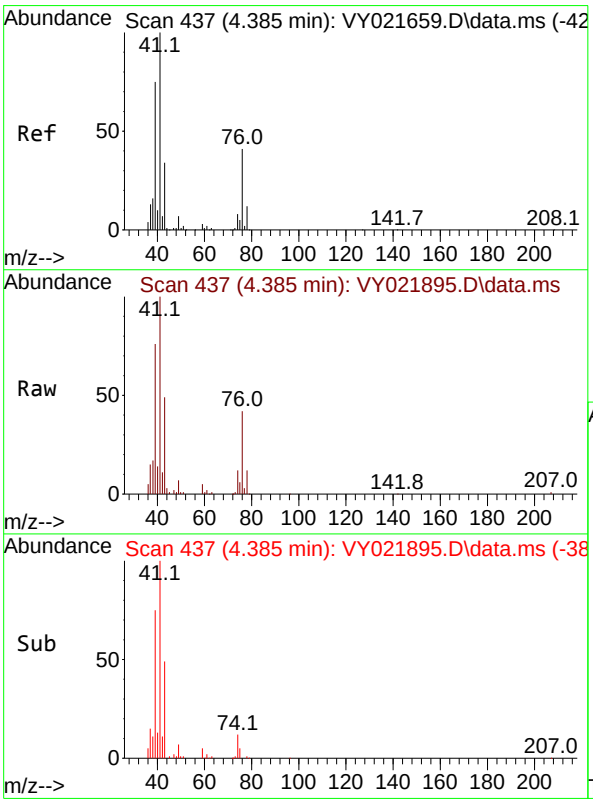
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

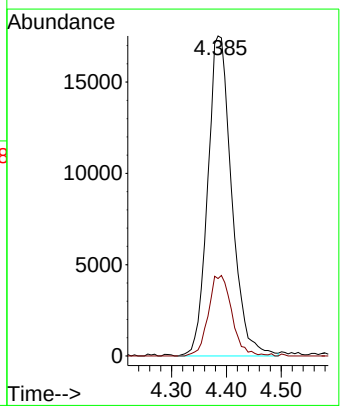
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

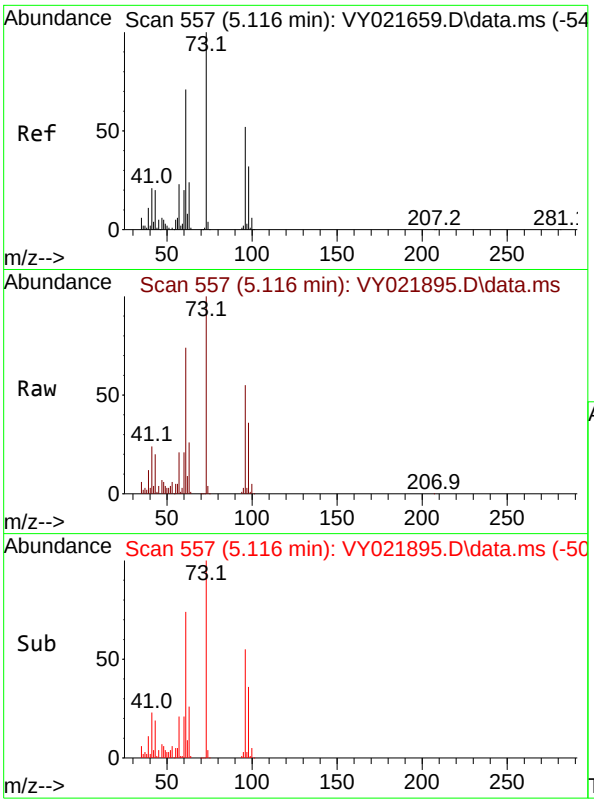


#18
Methyl Acetate
Concen: 60.212 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 43 Resp: 53263

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.1	28.7

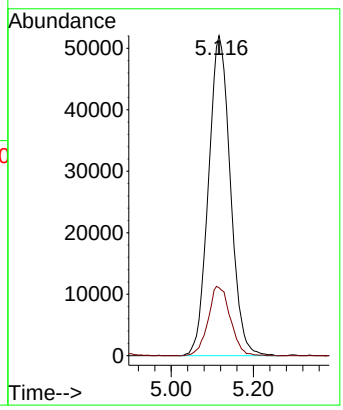




#19
Methyl tert-butyl Ether
Concen: 45.786 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 73 Resp: 19245

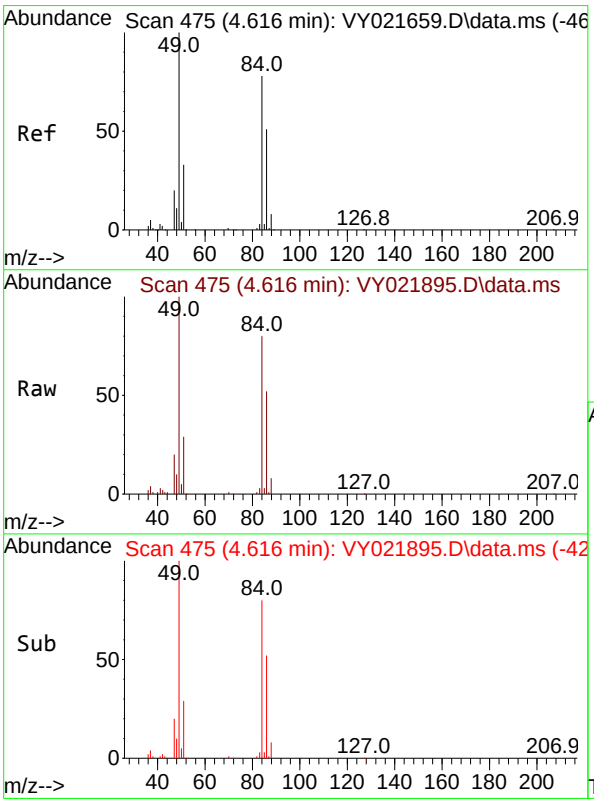
Ion	Ratio	Lower	Upper
73	100		
57	21.2	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

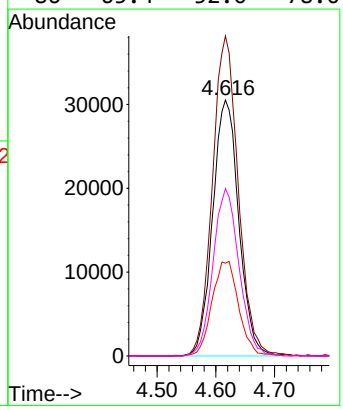
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

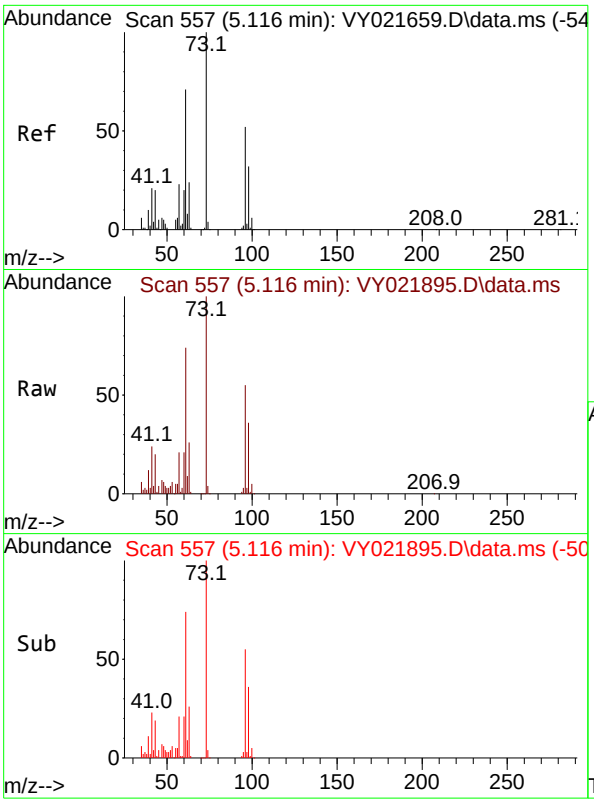


#20
Methylene Chloride
Concen: 54.368 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 84 Resp: 94364

Ion	Ratio	Lower	Upper
84	100		
49	124.8	102.8	154.2
51	36.2	33.5	50.3
86	65.4	52.0	78.0

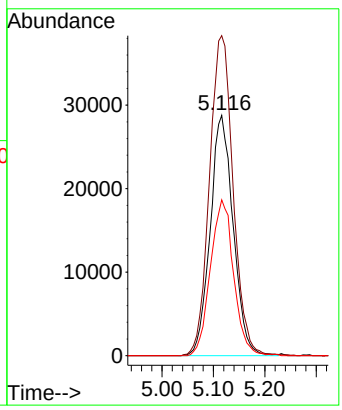




#21
trans-1,2-Dichloroethene
Concen: 48.082 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 96 Resp: 8938

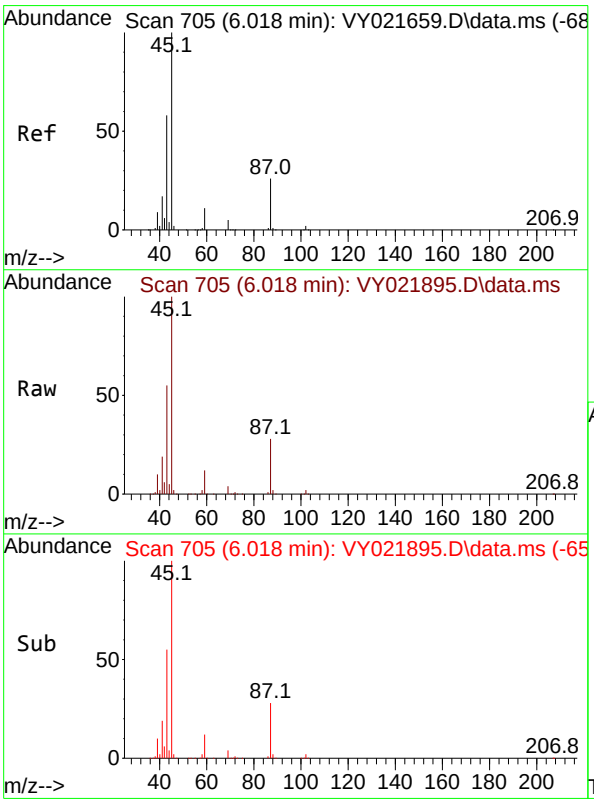
Ion	Ratio	Lower	Upper
96	100		
61	133.1	109.4	164.0
98	64.8	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

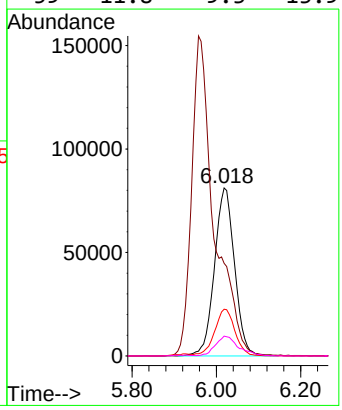
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

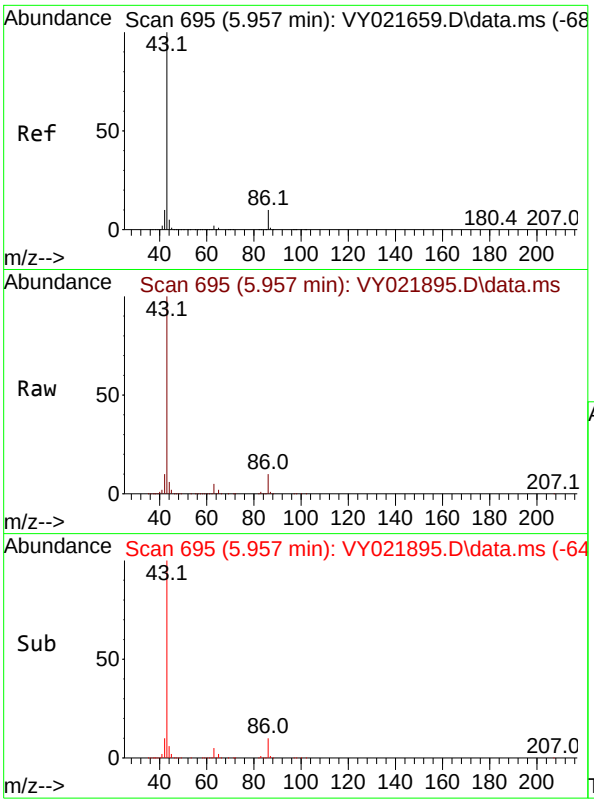


#22
Diisopropyl ether
Concen: 47.546 ug/l
RT: 6.018 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 45 Resp: 268487

Ion	Ratio	Lower	Upper
45	100		
43	54.7	46.6	69.8
87	27.8	20.7	31.1
59	11.8	9.3	13.9

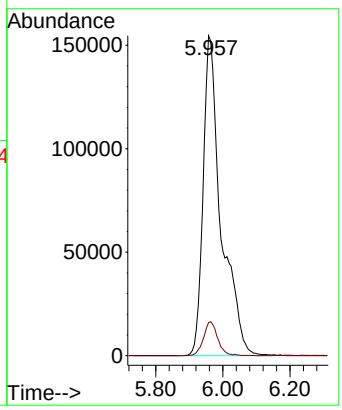




#23
Vinyl Acetate
Concen: 173.885 ug/l
RT: 5.957 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 43 Resp: 57441

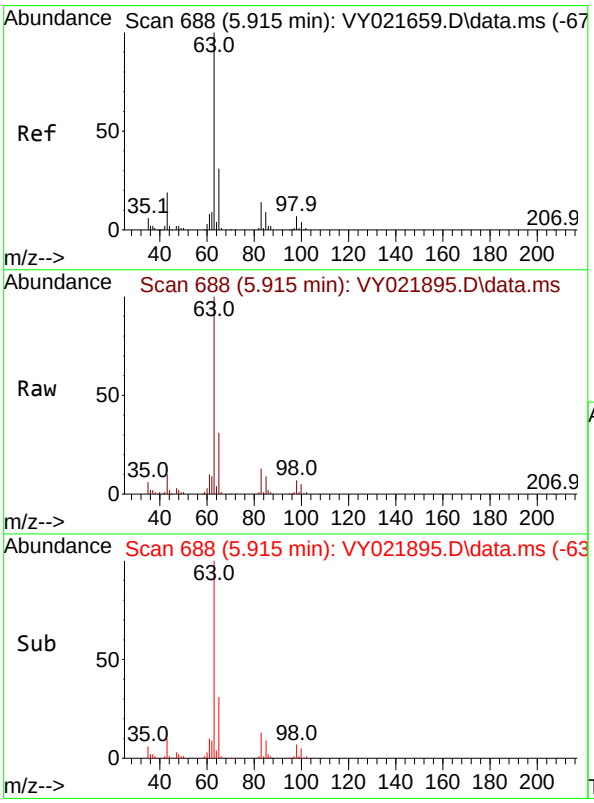
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.2	12.2



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

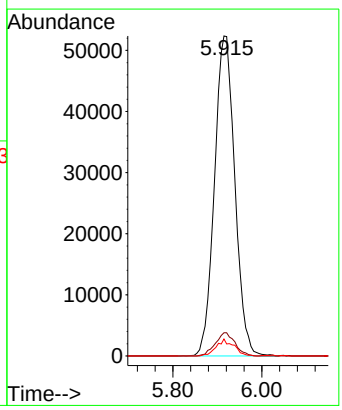
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

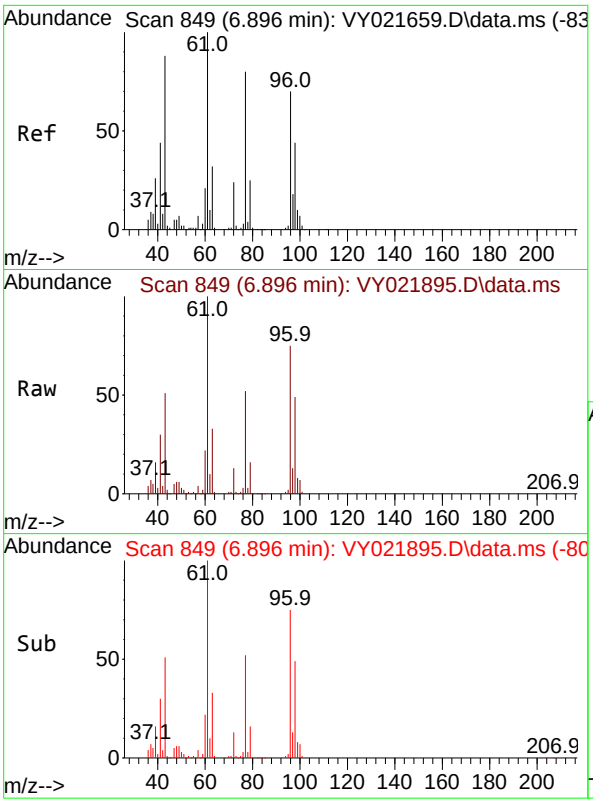


#24
1,1-Dichloroethane
Concen: 49.258 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 63 Resp: 166322

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	5.3	2.2	6.6





#25
2-Butanone
Concen: 203.656 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

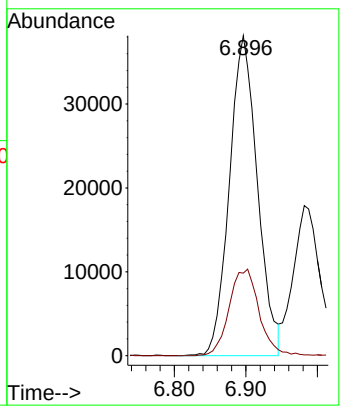
Tgt Ion: 43 Resp: 10382

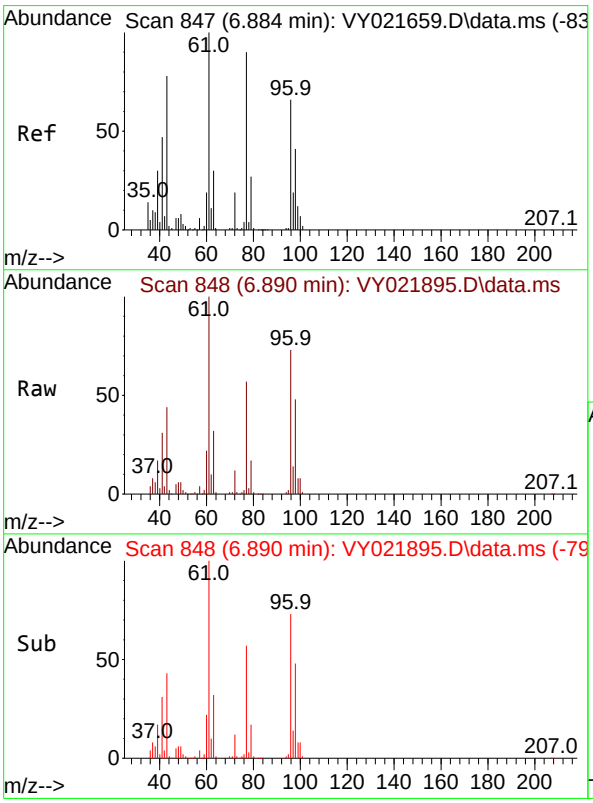
Ion	Ratio	Lower	Upper
43	100		
72	25.8	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

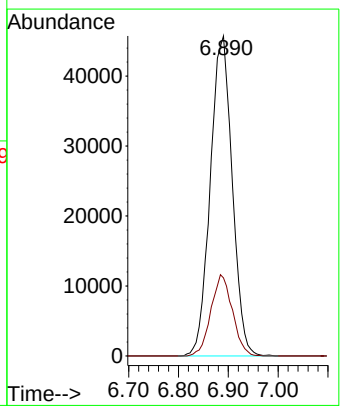


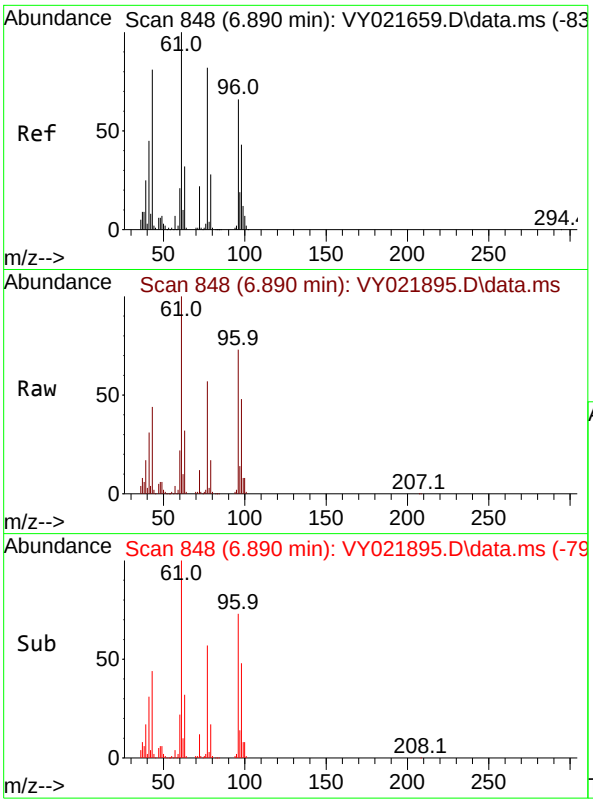


#26
2,2-Dichloropropane
Concen: 46.493 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 77 Resp: 139644

Ion	Ratio	Lower	Upper
77	100		
97	24.9	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 77.915 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

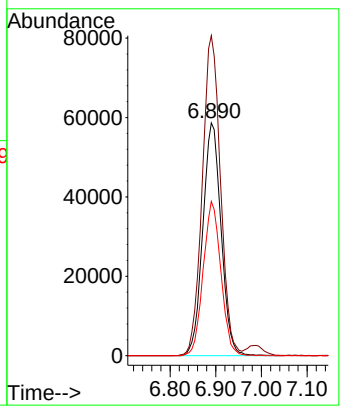
Tgt Ion: 96 Resp: 16287

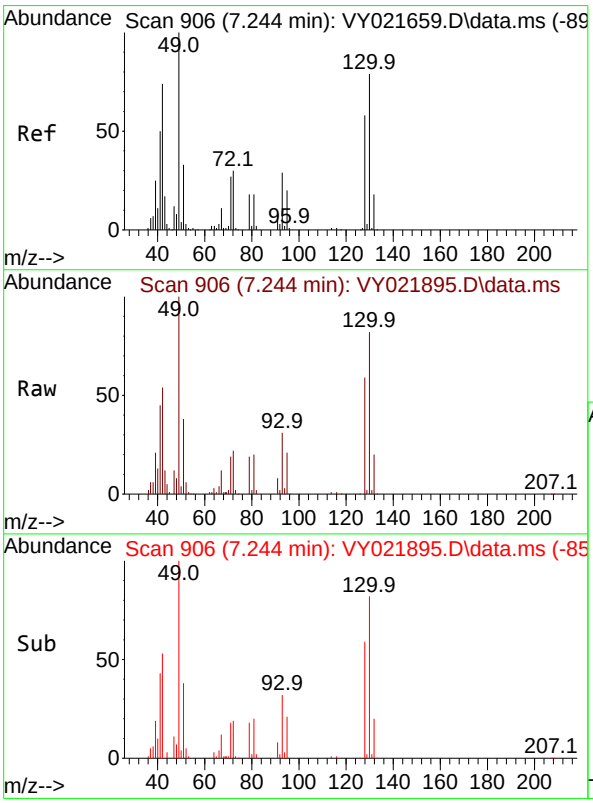
Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	296.4
98	64.2	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

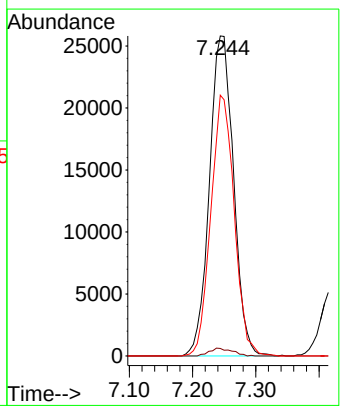


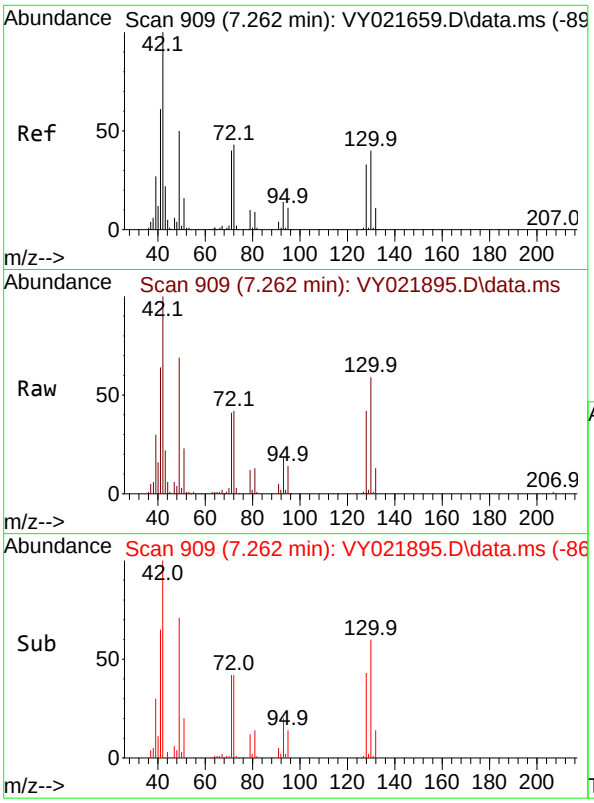


#28
Bromochloromethane
Concen: 47.920 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 49 Resp: 68238

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	79.1	60.1	90.1

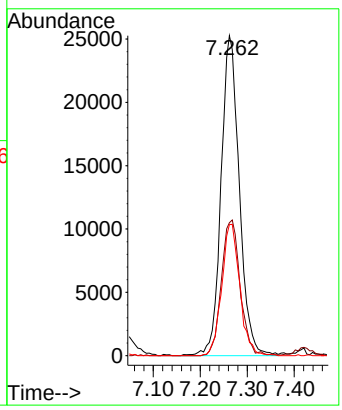




#29
Tetrahydrofuran
Concen: 208.223 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 42 Resp: 6831

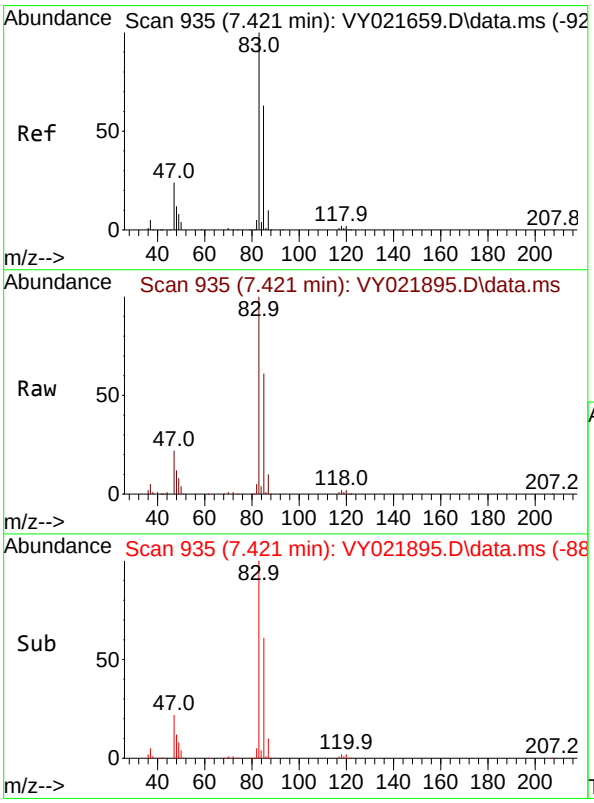
Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.6	52.0
71	40.7	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

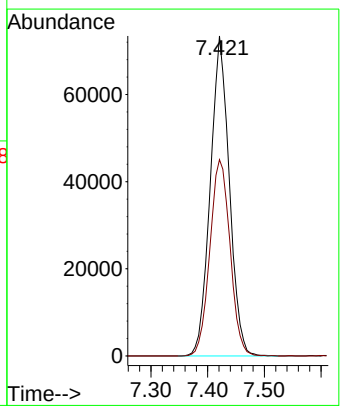
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

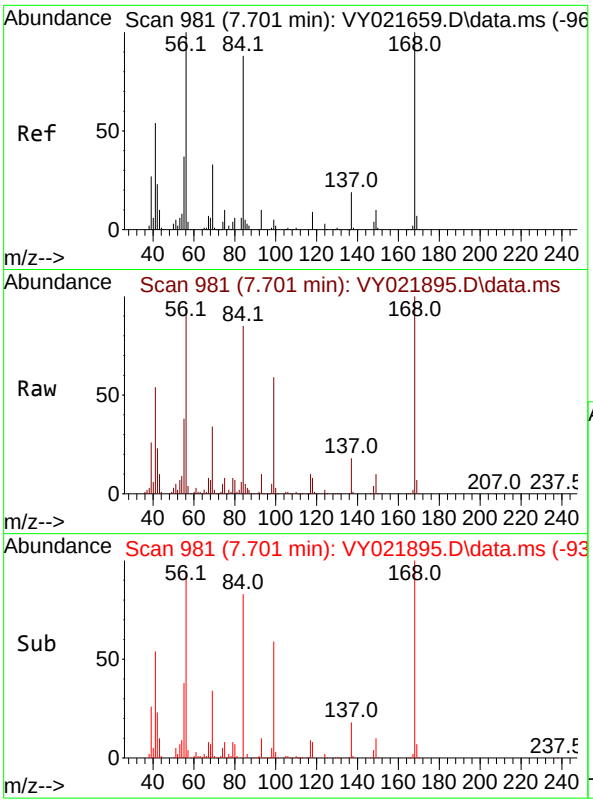


#30
Chloroform
Concen: 48.747 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 83 Resp: 171198

Ion	Ratio	Lower	Upper
83	100		
85	61.4	50.6	75.8

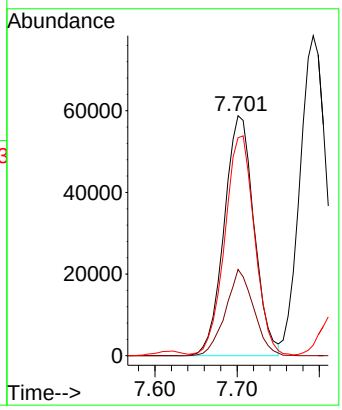




#31
Cyclohexane
Concen: 48.406 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 56 Resp: 14899

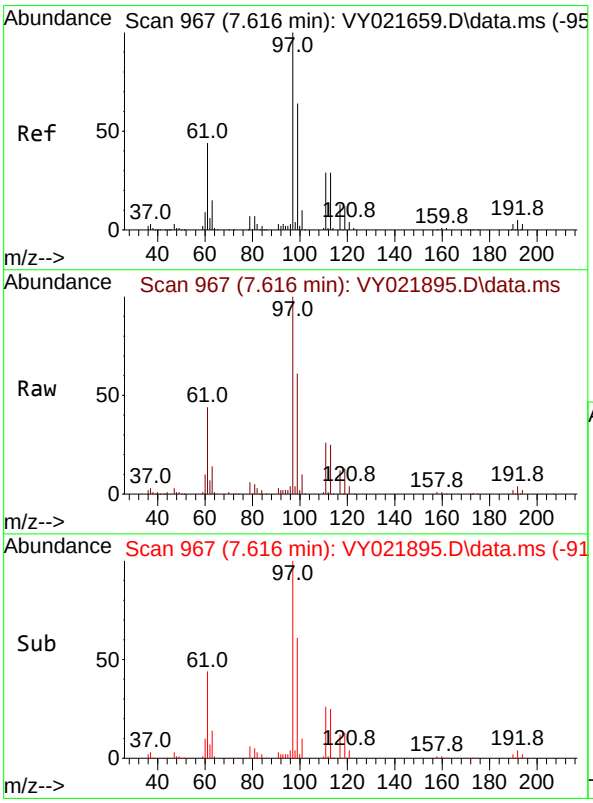
Ion	Ratio	Lower	Upper
56	100		
69	36.0	26.6	40.0
84	89.3	69.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

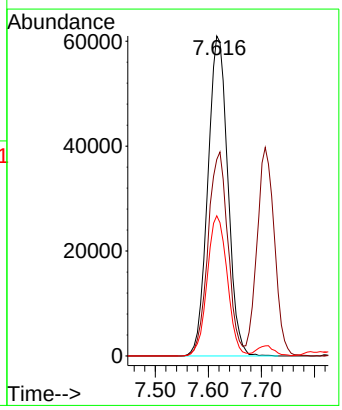
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

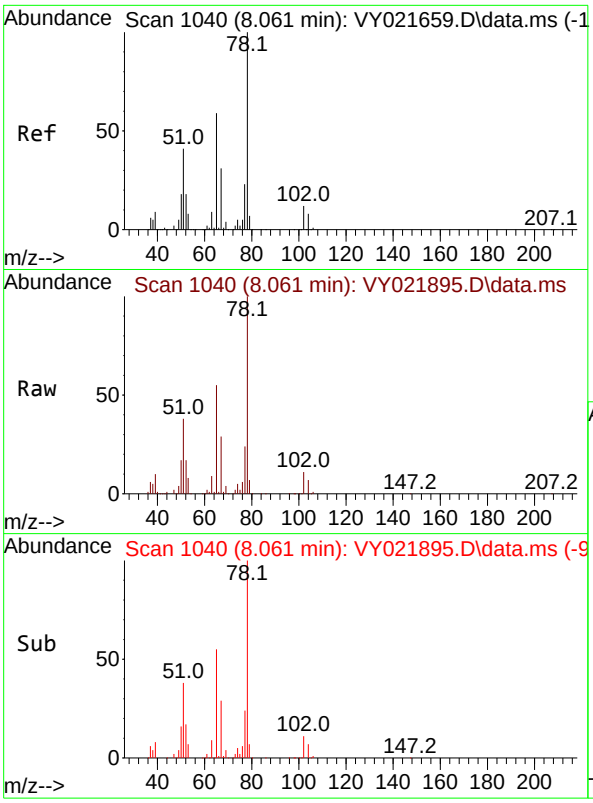


#32
1,1,1-Trichloroethane
Concen: 50.224 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 97 Resp: 159419

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.7	76.1
61	44.1	35.2	52.8

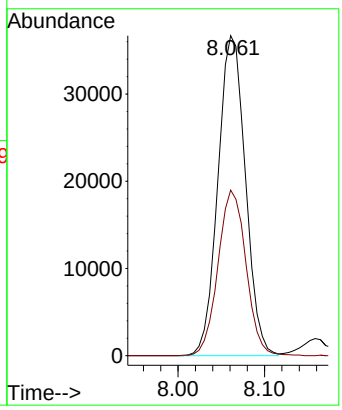




#33
1,2-Dichloroethane-d4
Concen: 46.405 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 65 Resp: 8092

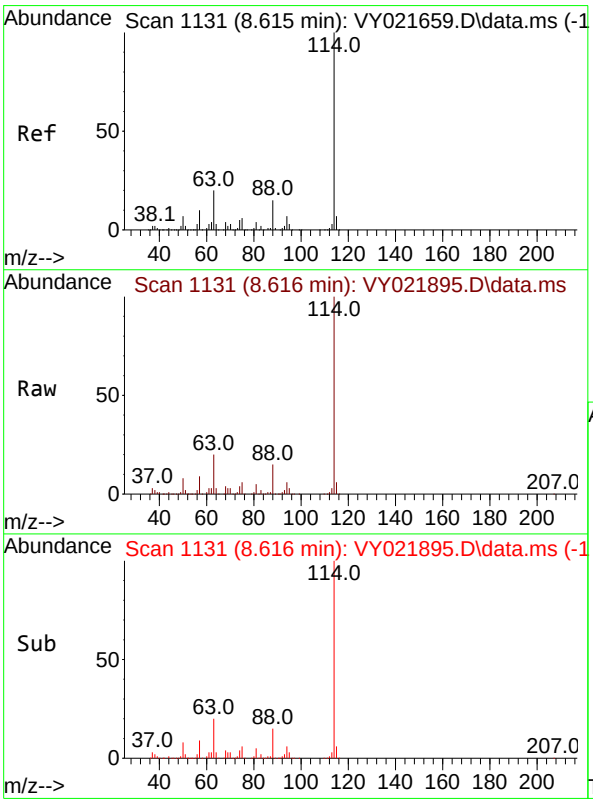
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

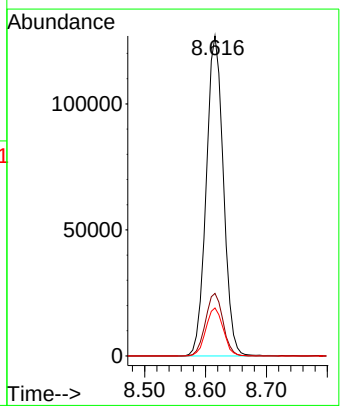
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

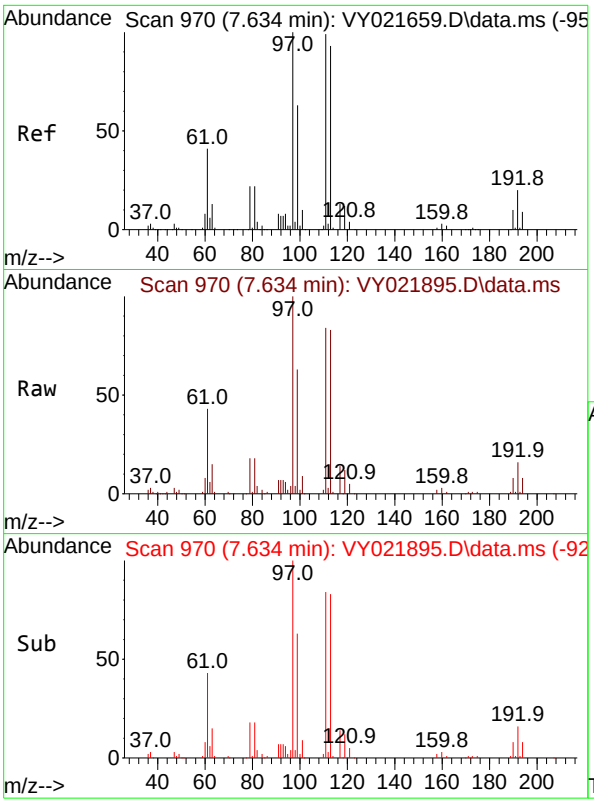


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:114 Resp: 248136

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.2
88	15.0	0.0	29.8

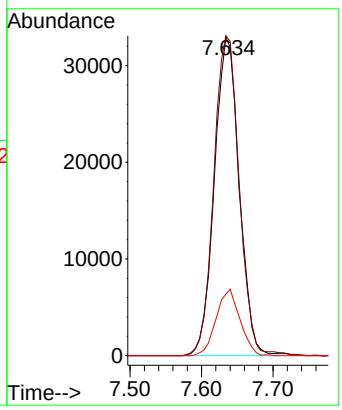




#35
Dibromofluoromethane
Concen: 49.196 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:113 Resp: 7918

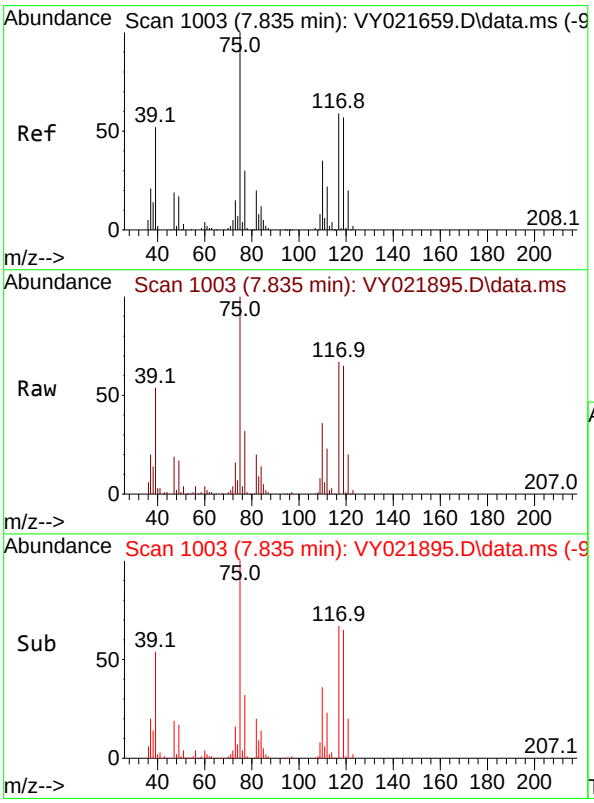
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	20.1	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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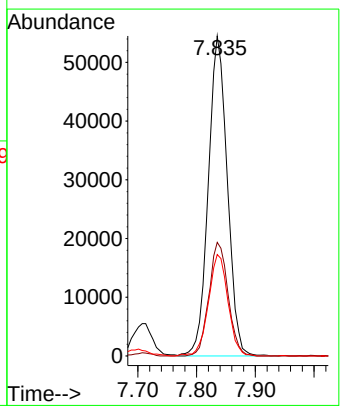
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

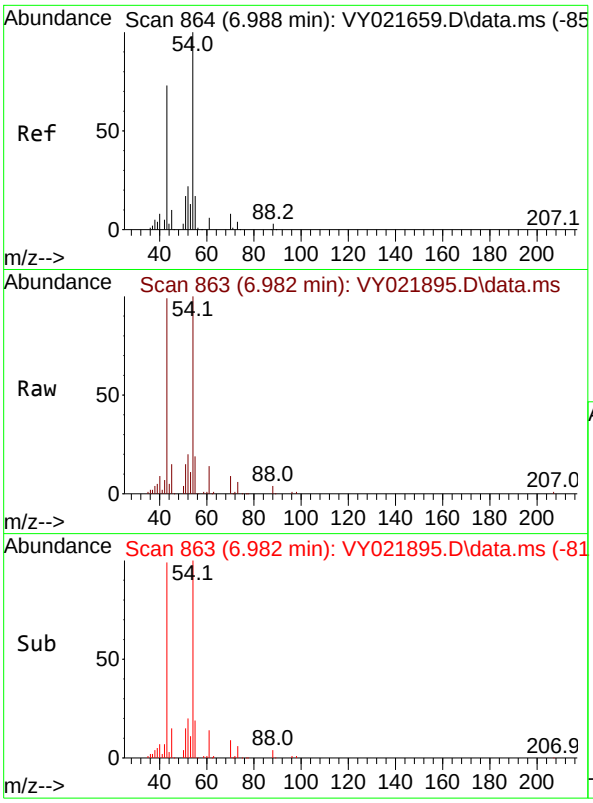


#36
1,1-Dichloropropene
Concen: 50.013 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 75 Resp: 122616

Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.0	50.9
77	32.5	24.8	37.2





#37
Ethyl Acetate
Concen: 40.844 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

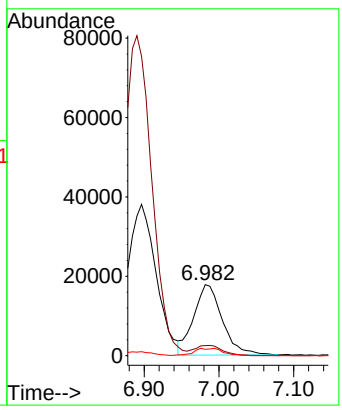
Tgt Ion: 43 Resp: 4725

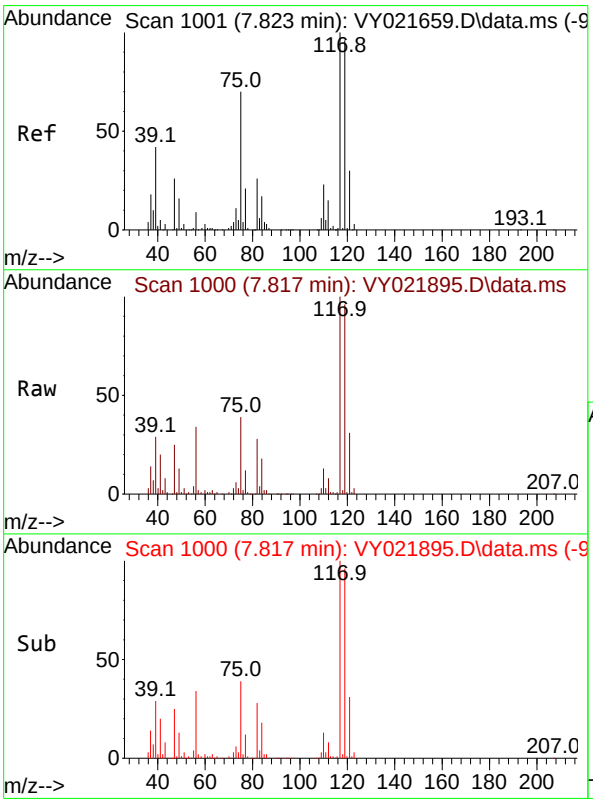
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.6
70	10.5	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

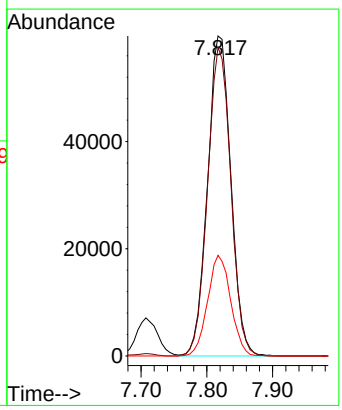


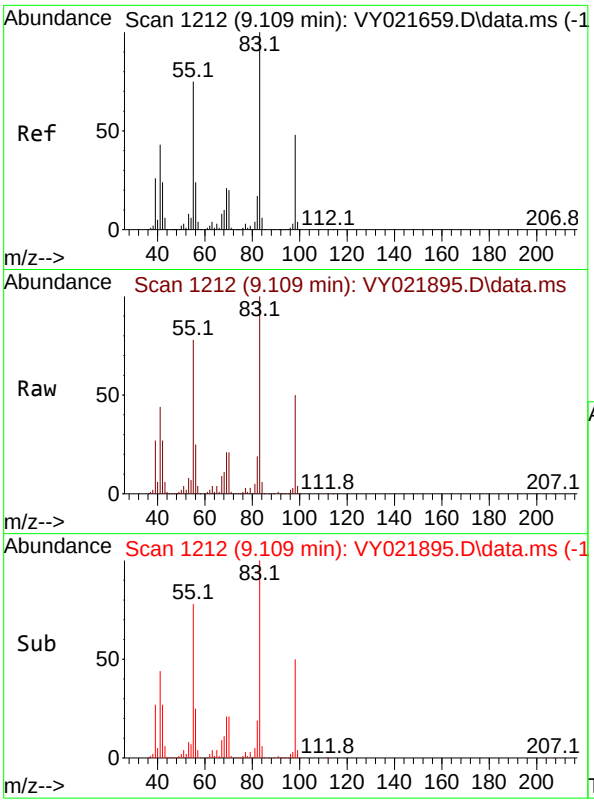


#38
Carbon Tetrachloride
Concen: 52.607 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:117 Resp: 147722

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.2	114.4
121	31.5	24.2	36.4





#39
Methylcyclohexane
Concen: 54.791 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

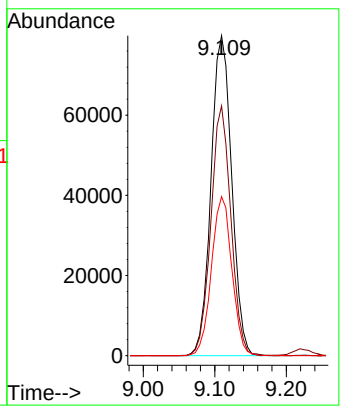
Tgt Ion: 83 Resp: 16047

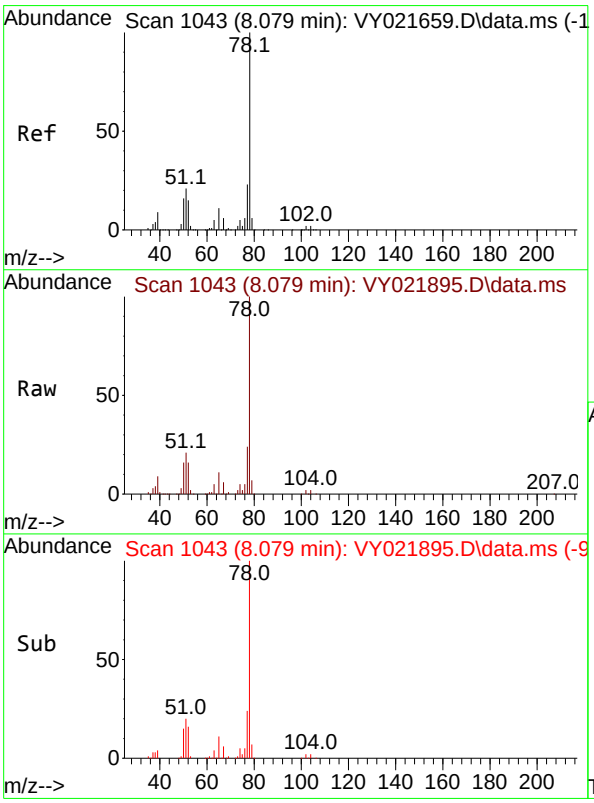
Ion	Ratio	Lower	Upper
83	100		
55	78.0	59.7	89.5
98	49.7	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

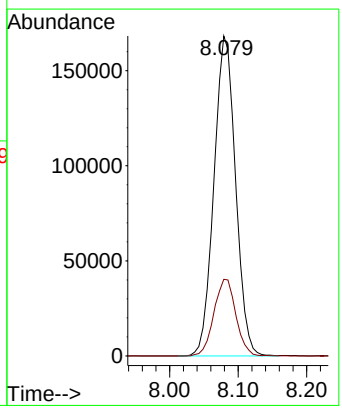


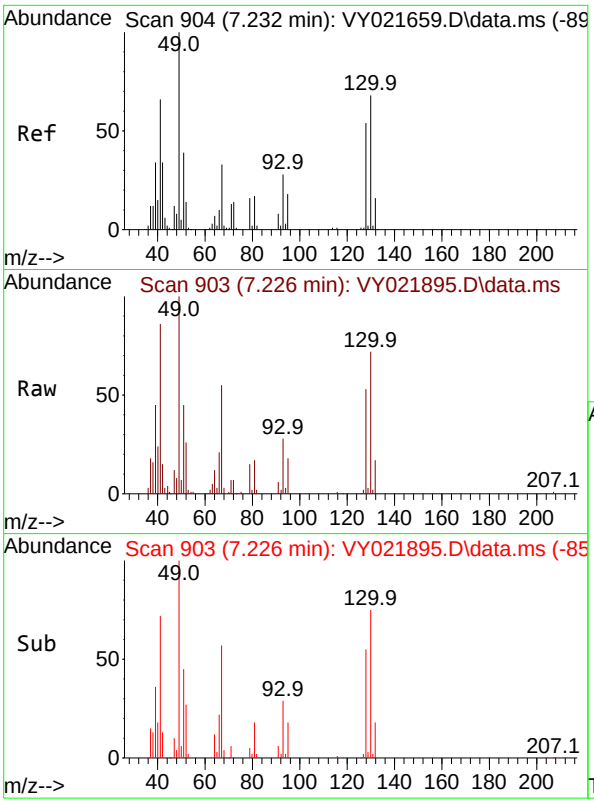


#40
Benzene
Concen: 50.175 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 78 Resp: 368400

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

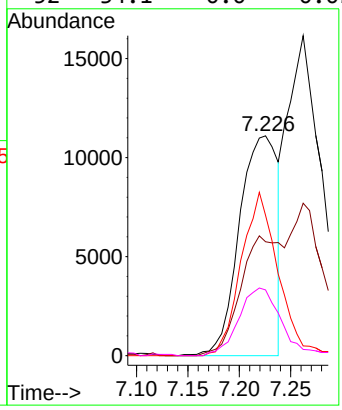




#41
Methacrylonitrile
Concen: 46.791 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 41 Resp: 2875

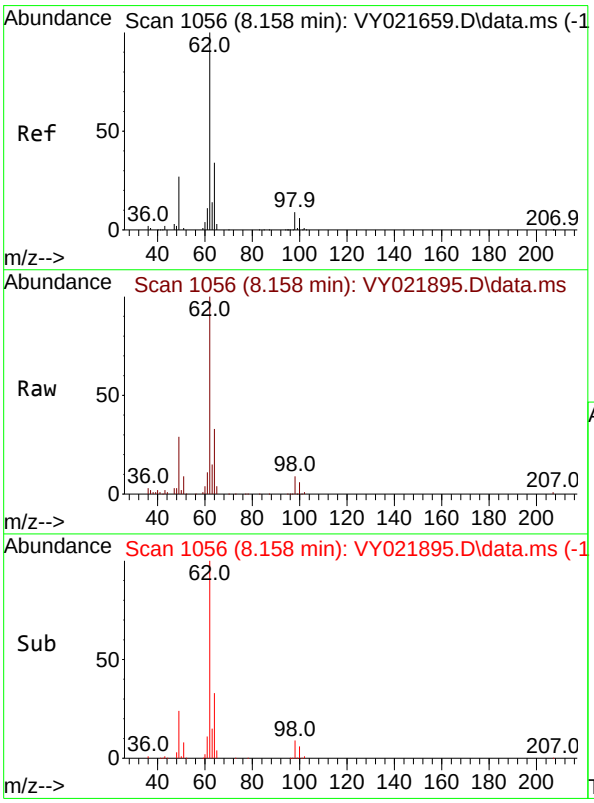
Ion	Ratio	Lower	Upper
41	100		
39	59.9	0.0	0.0#
67	72.1	0.0	0.0#
52	34.1	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

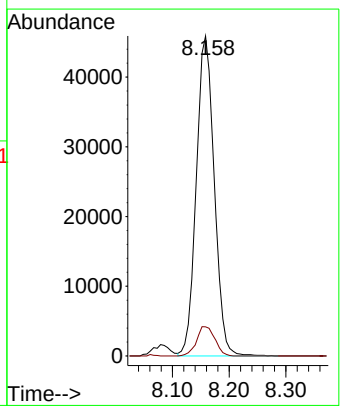
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

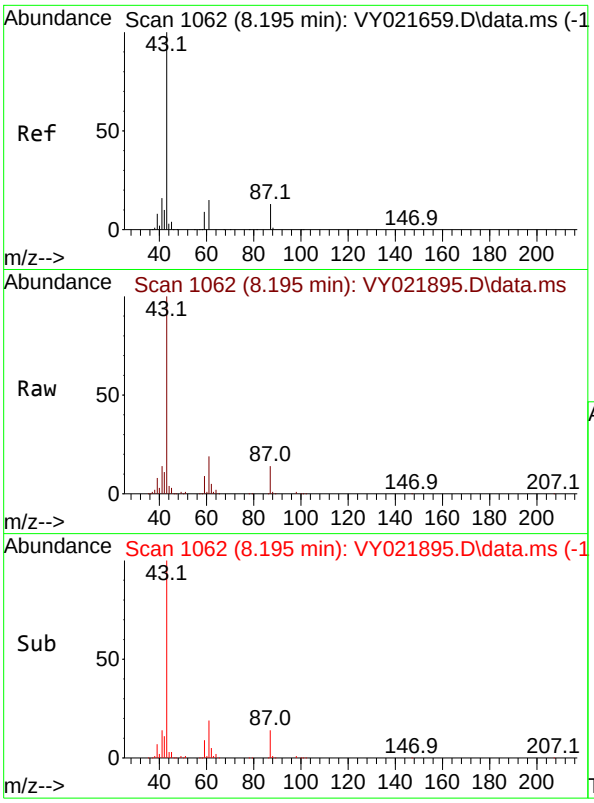


#42
1,2-Dichloroethane
Concen: 48.729 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 62 Resp: 100863

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4

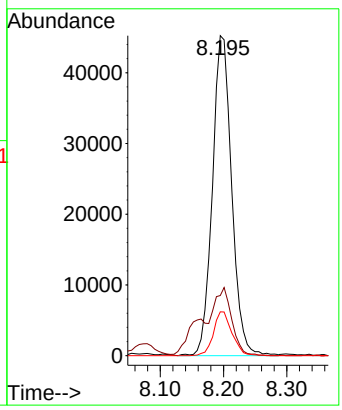




#43
Isopropyl Acetate
Concen: 43.672 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 43 Resp: 9576

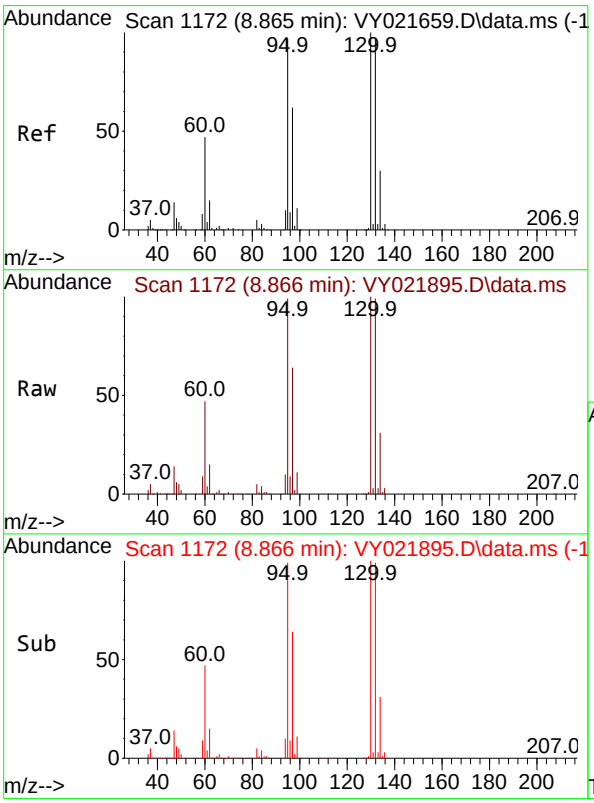
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.9	23.9
87	13.2	10.4	15.6



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

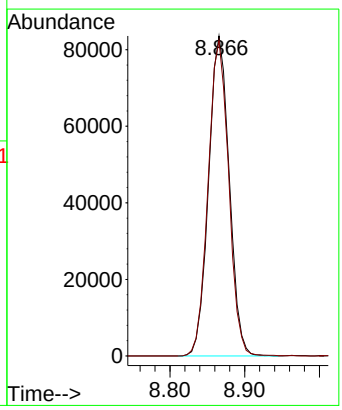
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

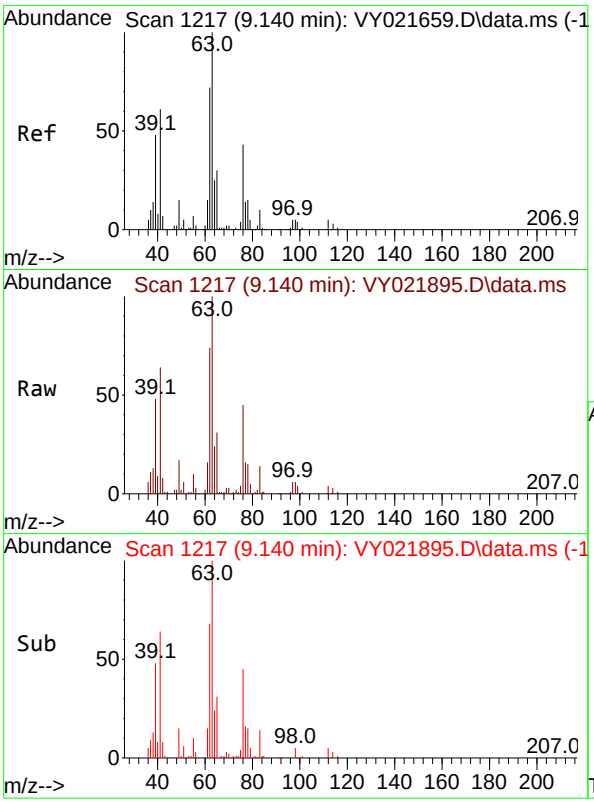


#44
Trichloroethene
Concen: 85.774 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:130 Resp: 160460

Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	194.8

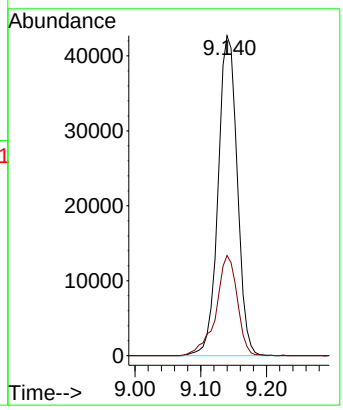




#45
1,2-Dichloropropane
Concen: 49.805 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 63 Resp: 8655

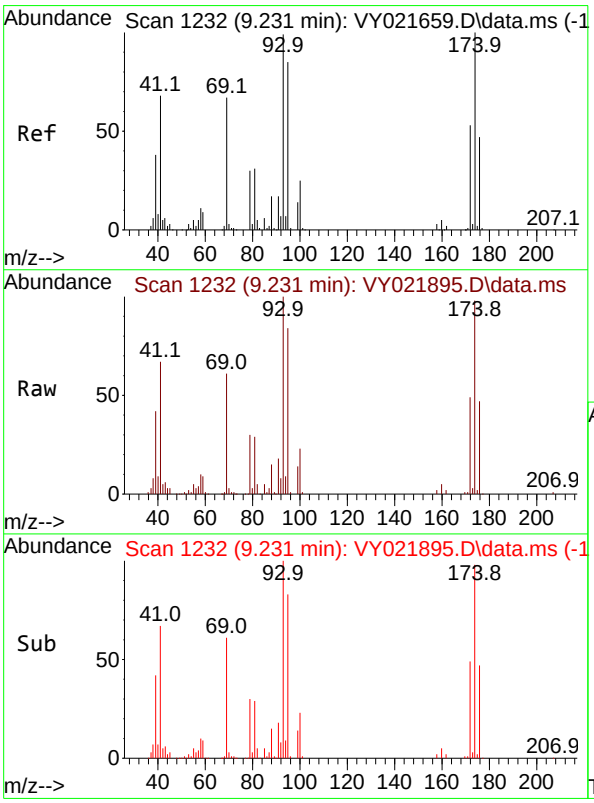
Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

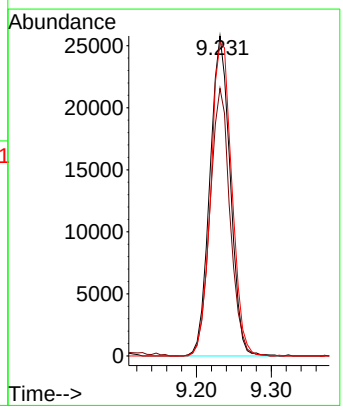
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

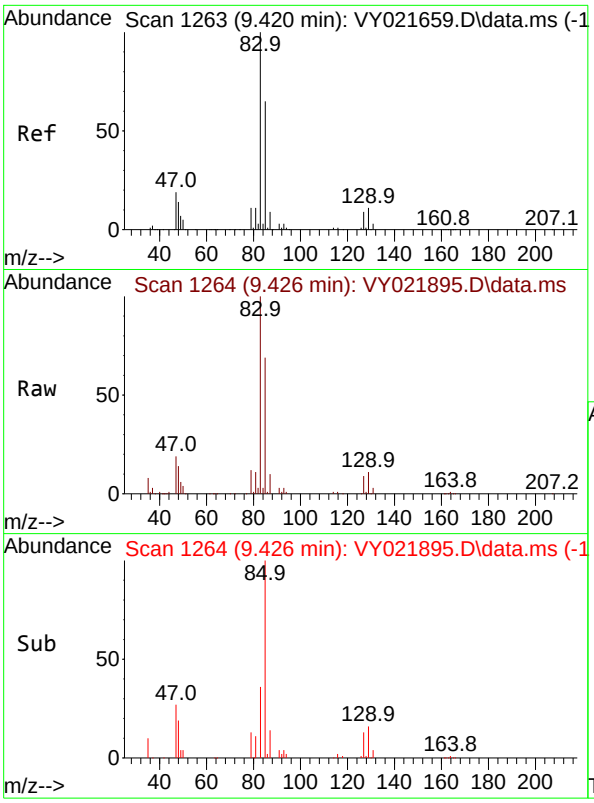


#46
Dibromomethane
Concen: 48.582 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 93 Resp: 48661

Ion	Ratio	Lower	Upper
93	100		
95	82.5	68.1	102.1
174	101.2	80.9	121.3

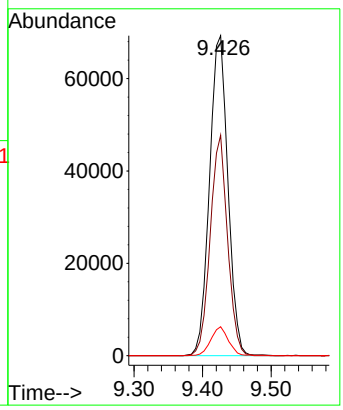




#47
Bromodichloromethane
Concen: 49.764 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 83 Resp: 12915

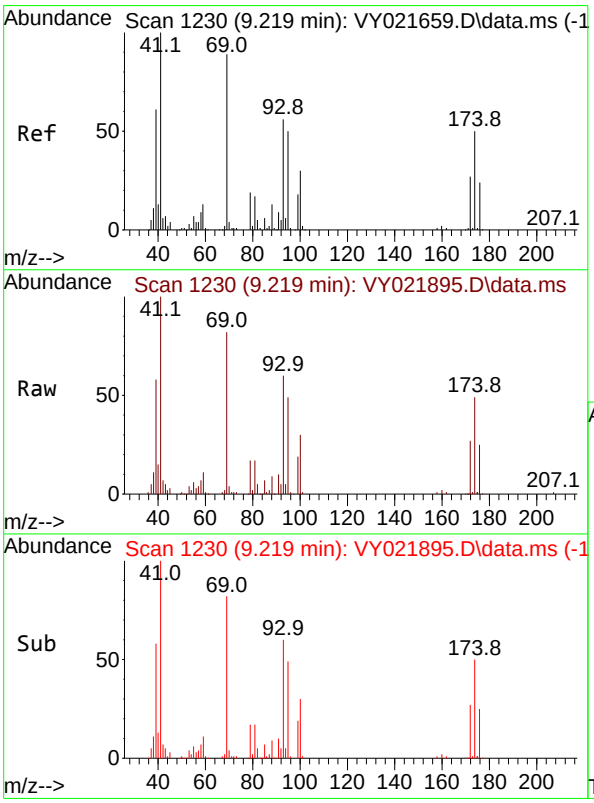
Ion	Ratio	Lower	Upper
83	100		
85	68.9	51.8	77.6
127	9.0	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

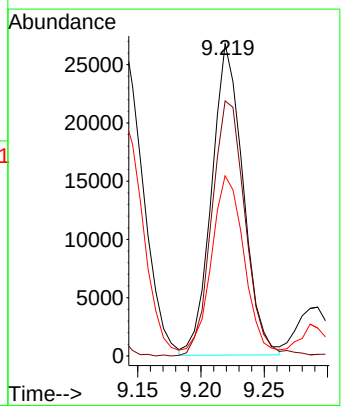
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

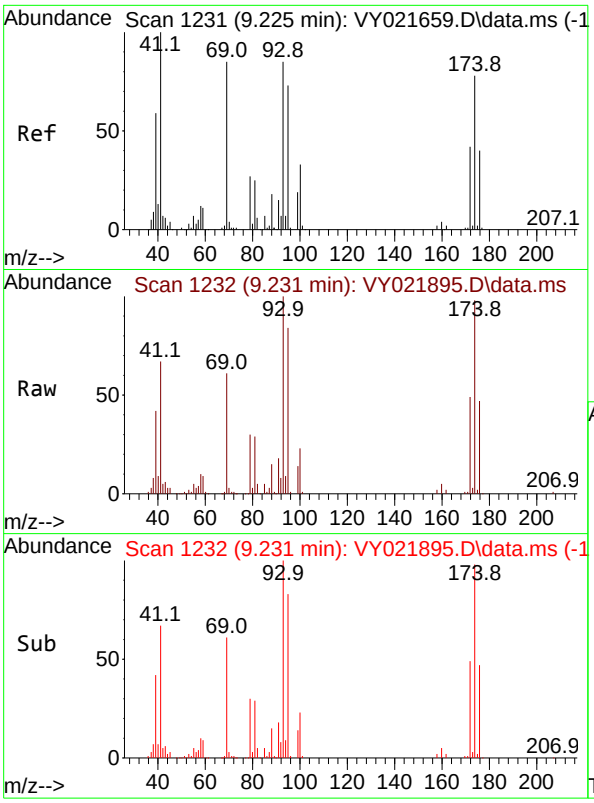


#48
Methyl methacrylate
Concen: 45.869 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 41 Resp: 46161

Ion	Ratio	Lower	Upper
41	100		
69	87.4	69.8	104.8
39	56.9	47.2	70.8





#49
1,4-Dioxane
Concen: 885.001 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

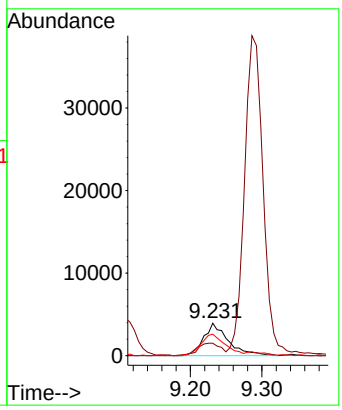
Tgt Ion: 88 Resp: 949

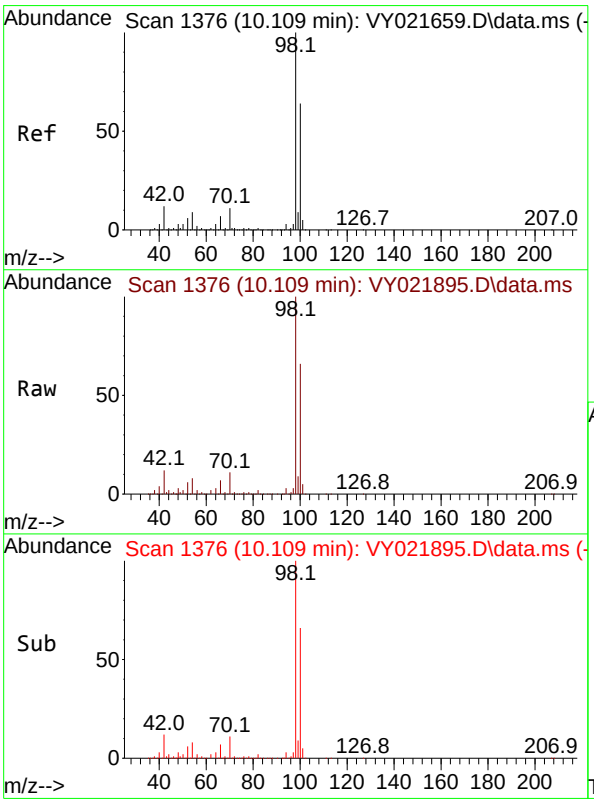
Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.8	43.2
58	64.9	59.4	89.2

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

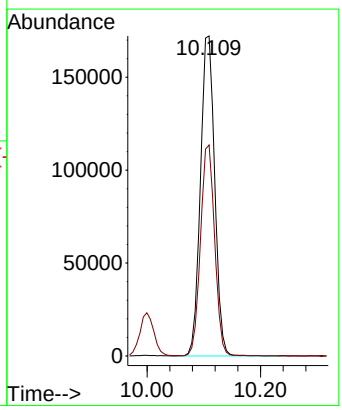


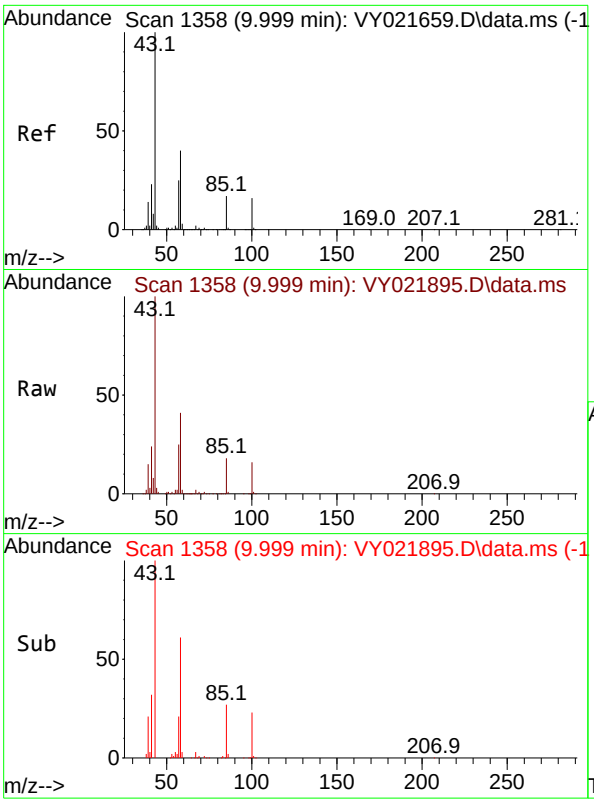


#50
Toluene-d8
Concen: 49.100 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 98 Resp: 300662

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1

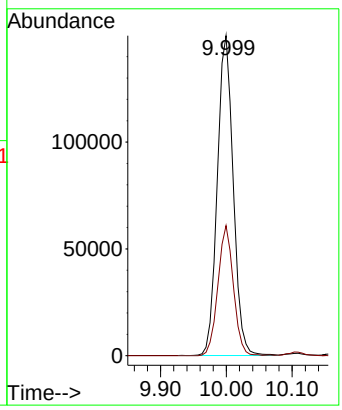




#51
4-Methyl-2-Pentanone
Concen: 221.136 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 43 Resp: 25233

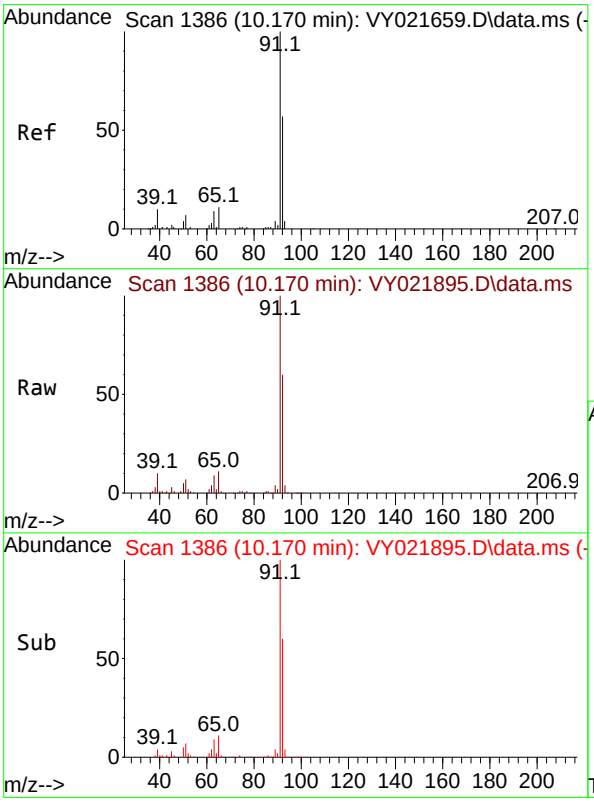
Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

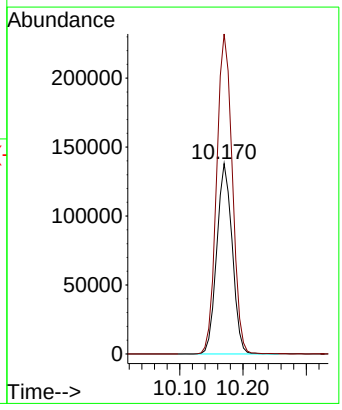
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

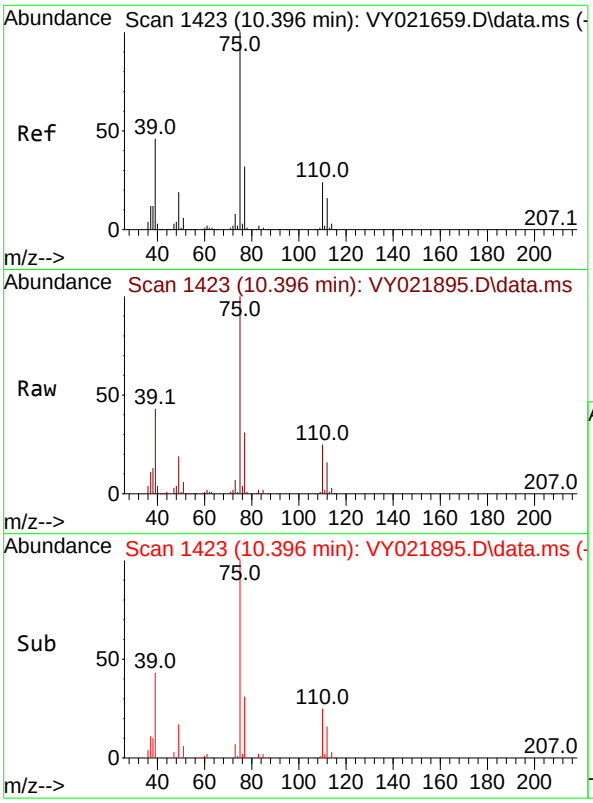


#52
Toluene
Concen: 50.864 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 92 Resp: 233003

Ion	Ratio	Lower	Upper
92	100		
91	170.9	138.6	207.8

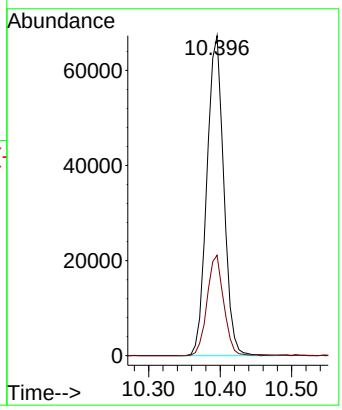




#53
t-1,3-Dichloropropene
Concen: 47.773 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 75 Resp: 11013

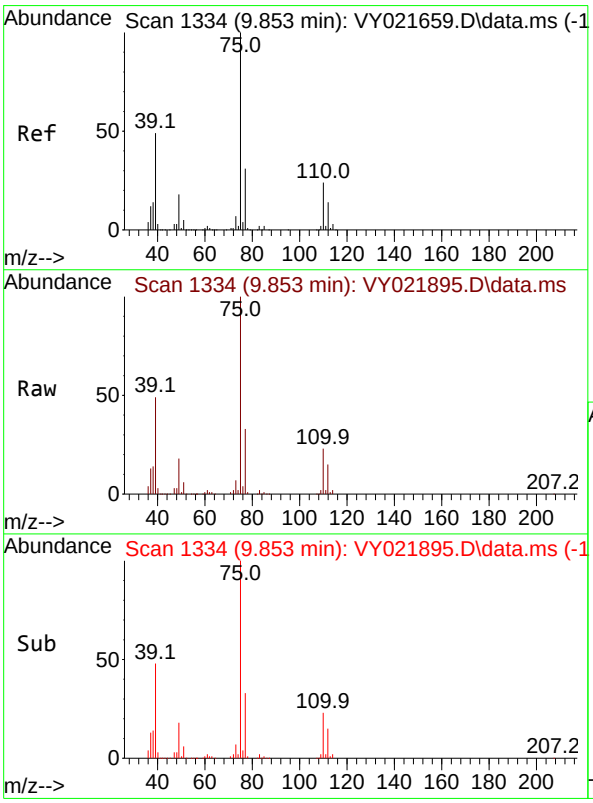
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

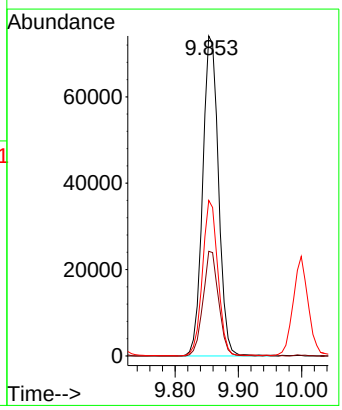
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

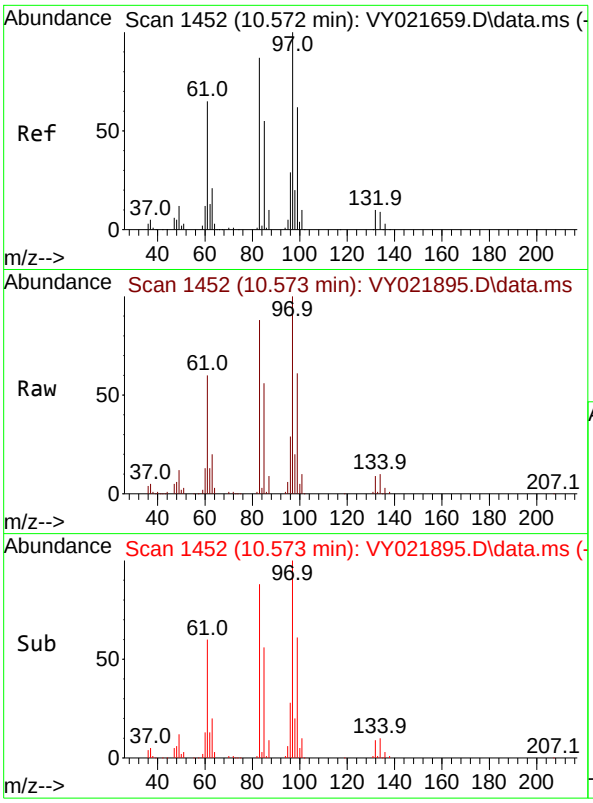


#54
cis-1,3-Dichloropropene
Concen: 47.476 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 75 Resp: 129117

Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.9	37.3
39	48.6	39.2	58.8

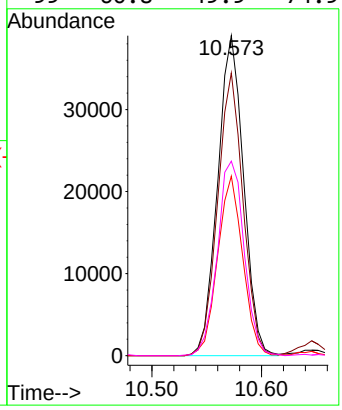




#55
1,1,2-Trichloroethane
Concen: 49.757 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 97 Resp: 6413

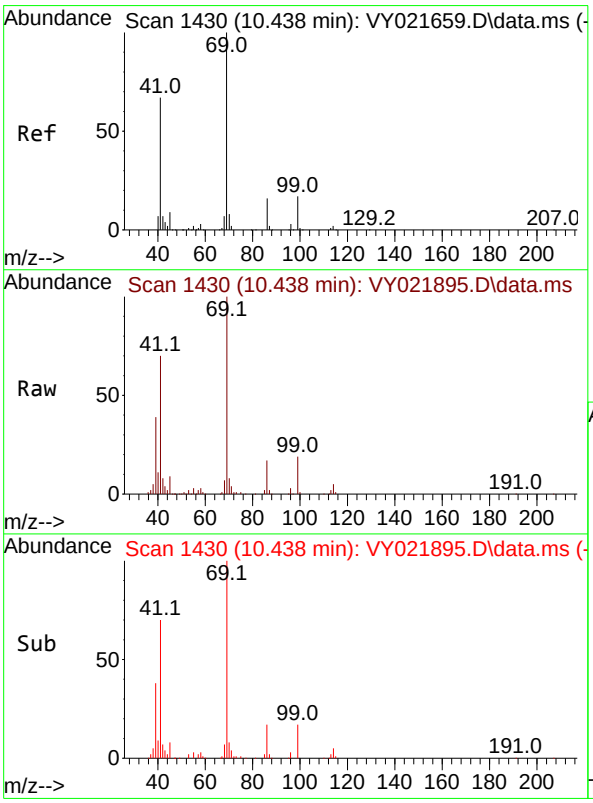
Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.5	104.3
85	56.1	43.9	65.9
99	60.8	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

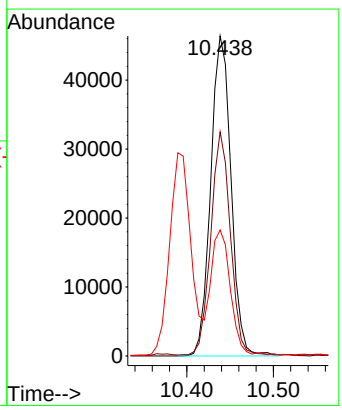
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

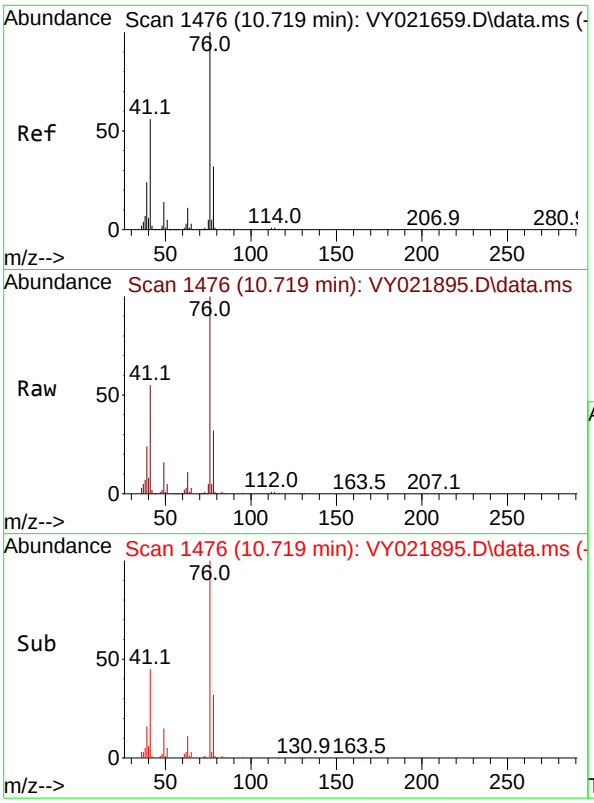


#56
Ethyl methacrylate
Concen: 45.915 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 69 Resp: 75570

Ion	Ratio	Lower	Upper
69	100		
41	67.6	53.8	80.6
39	36.9	29.6	44.4

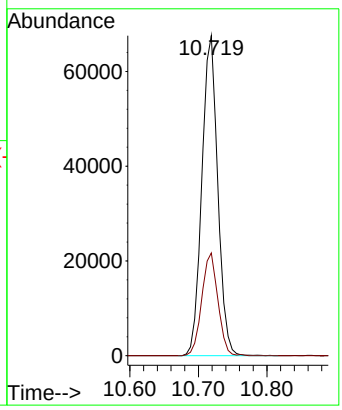




#57
1,3-Dichloropropane
Concen: 48.950 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 76 Resp: 10896

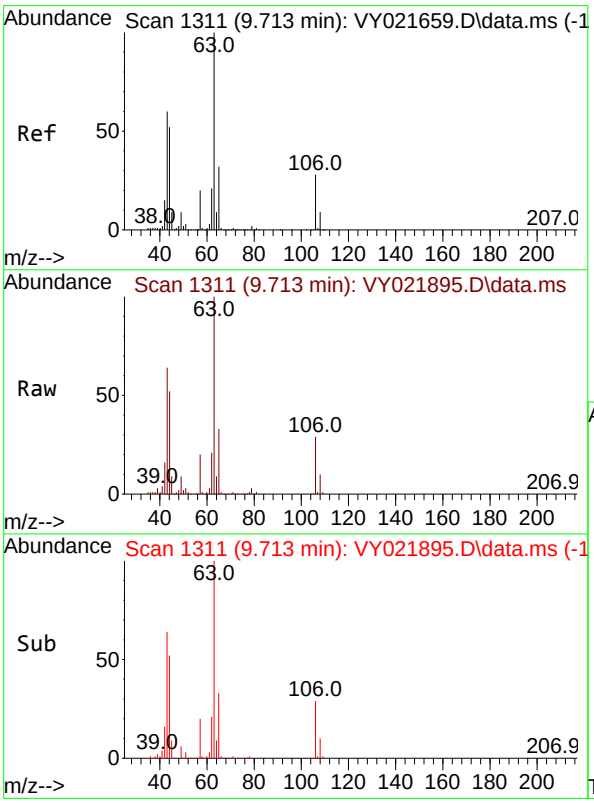
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

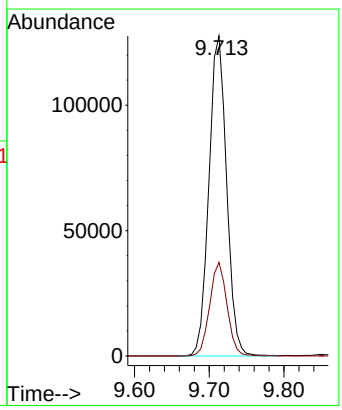
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

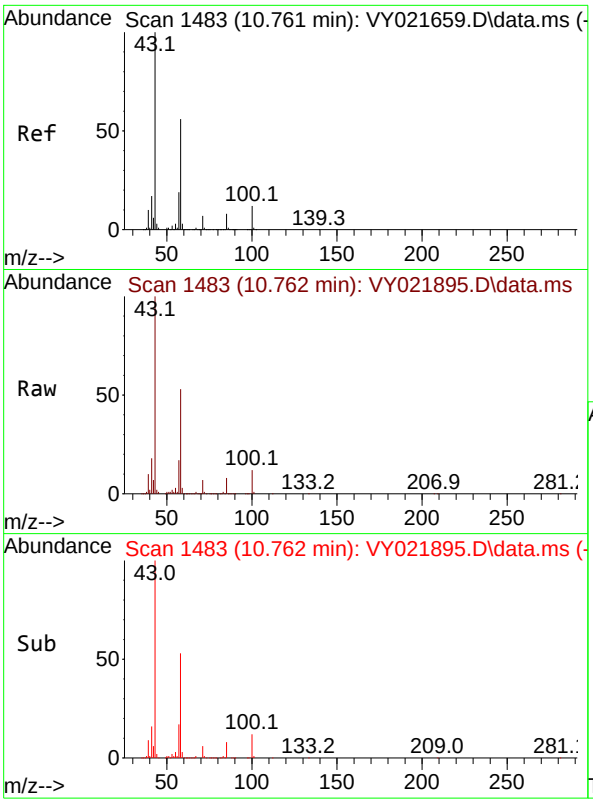


#58
2-Chloroethyl Vinyl ether
Concen: 261.930 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 63 Resp: 210306

Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.4	33.6





#59
2-Hexanone
Concen: 216.582 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

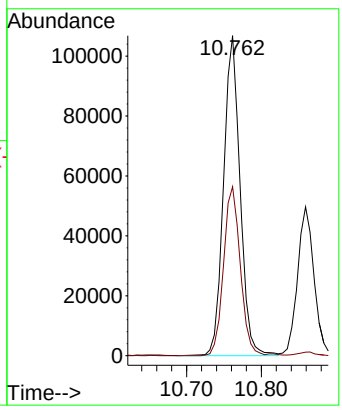
Tgt Ion: 43 Resp: 16459

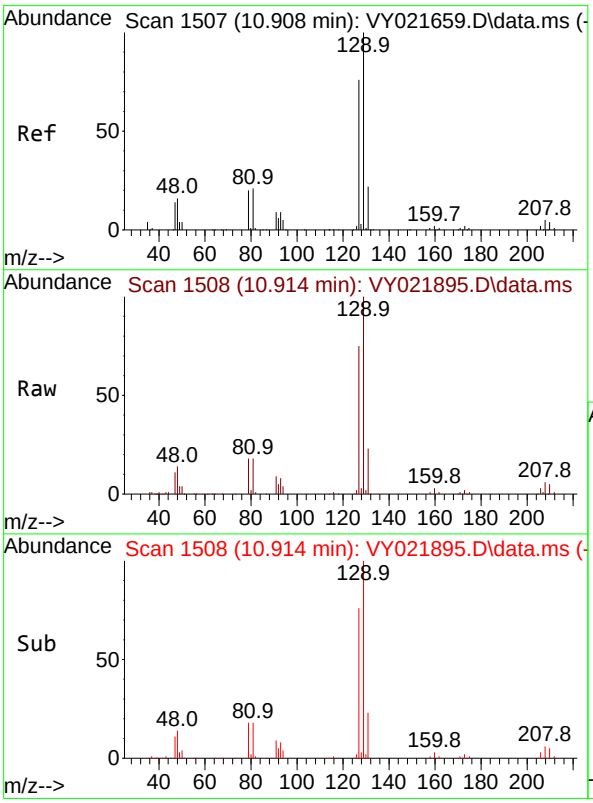
Ion	Ratio	Lower	Upper
43	100		
58	53.7	27.2	81.5

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

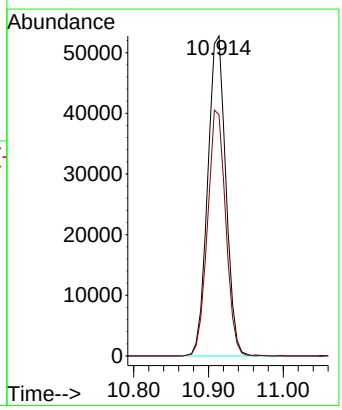


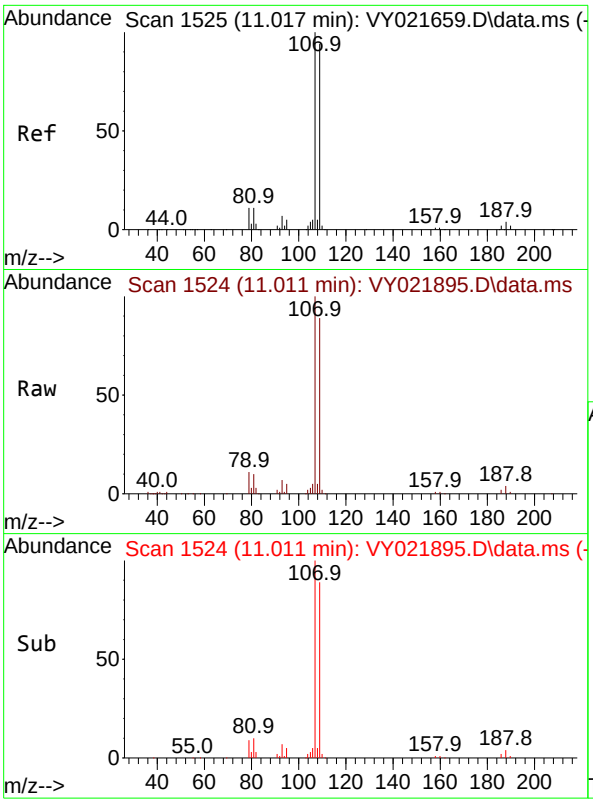


#60
Dibromochloromethane
Concen: 50.539 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:129 Resp: 88941

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.6	115.7





#61
1,2-Dibromoethane
Concen: 49.544 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

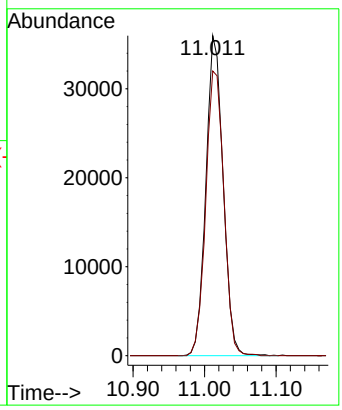
Tgt Ion:107 Resp: 5990

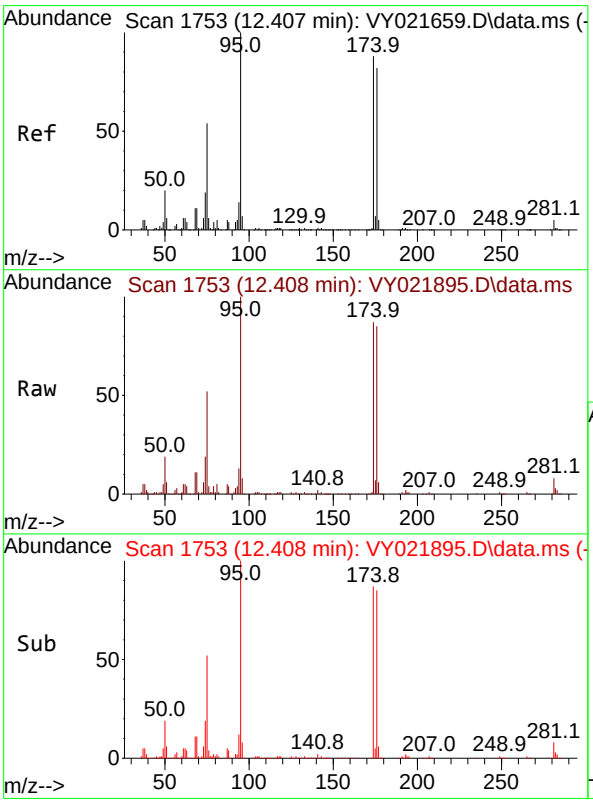
Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.4	111.6

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

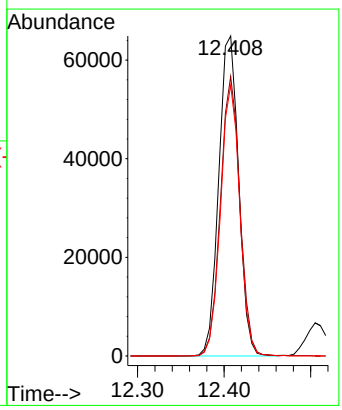


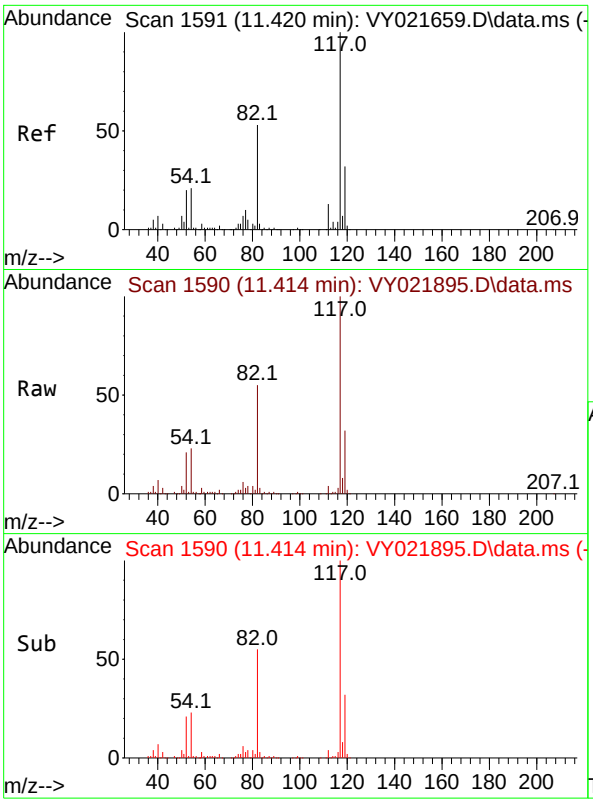


#62
4-Bromofluorobenzene
Concen: 49.949 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 95 Resp: 103457

Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	170.8
176	81.7	0.0	162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

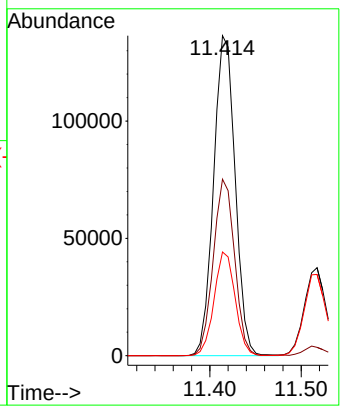
Tgt Ion:117 Resp: 22333

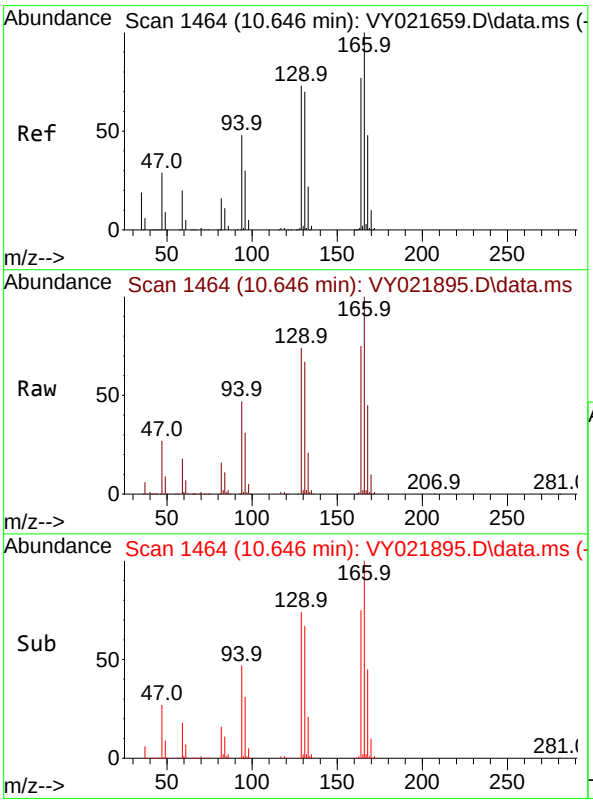
Ion	Ratio	Lower	Upper
117	100		
82	55.2	42.8	64.2
119	32.4	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

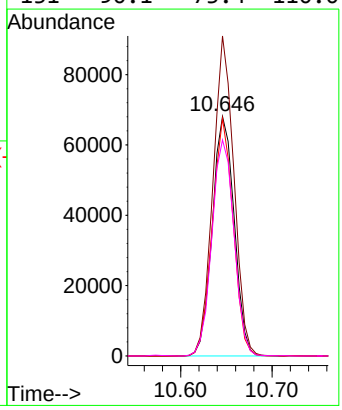


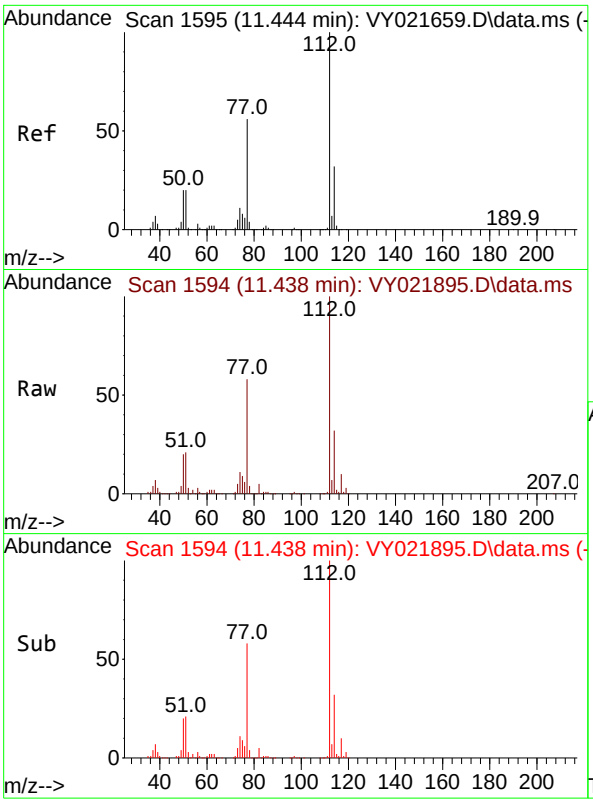


#64
Tetrachloroethene
Concen: 55.632 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:164 Resp: 113161

Ion	Ratio	Lower	Upper
164	100		
166	133.6	104.6	156.8
129	99.2	76.6	114.8
131	90.1	73.4	110.0

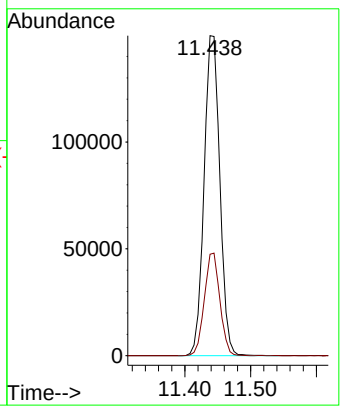




#65
Chlorobenzene
Concen: 48.758 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:112 Resp: 24962

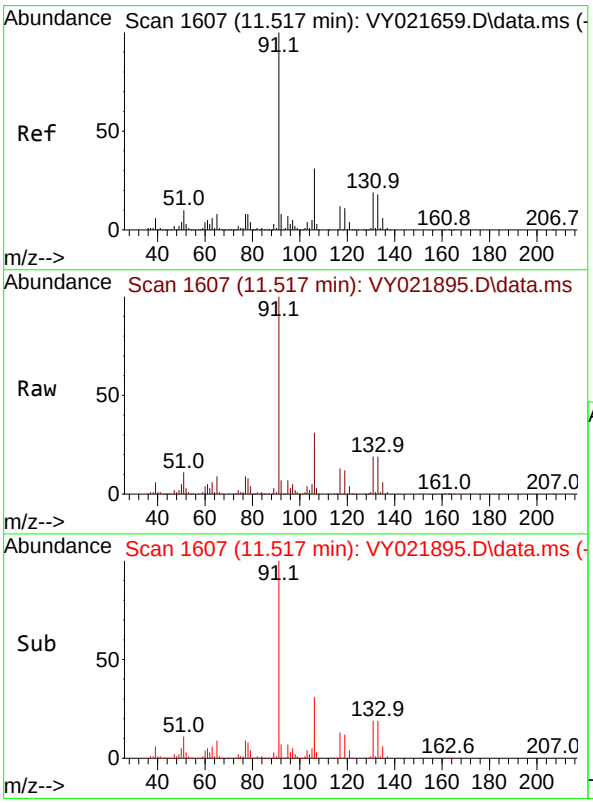
Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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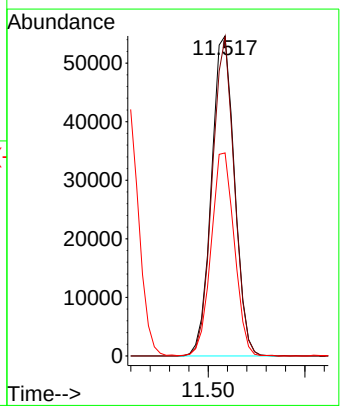
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

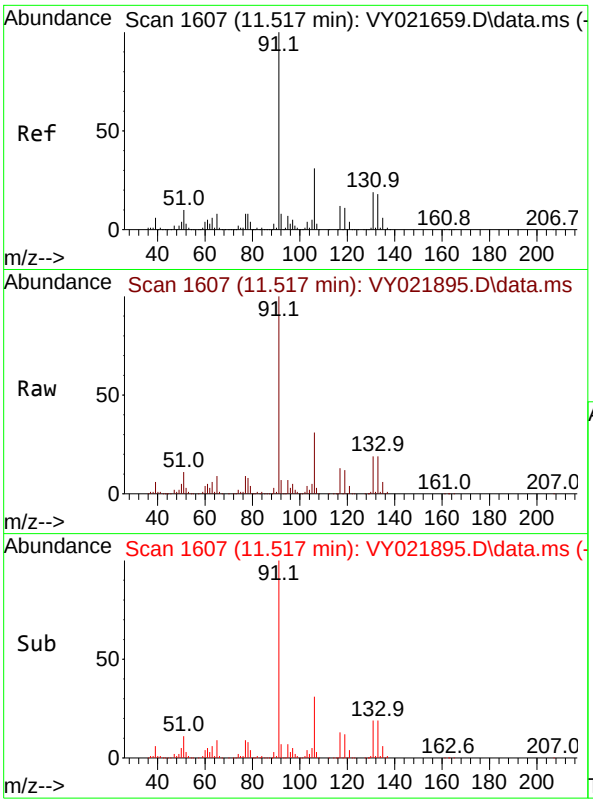


#66
1,1,1,2-Tetrachloroethane
Concen: 49.837 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:131 Resp: 90527

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.8
119	63.9	31.6	95.0

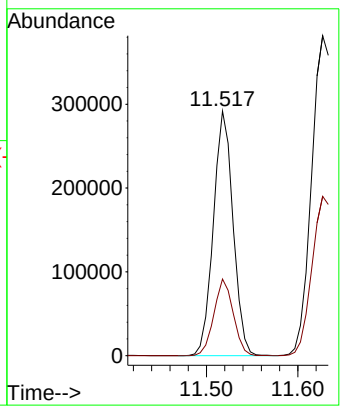




#67
Ethyl Benzene
Concen: 49.762 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 91 Resp: 43686

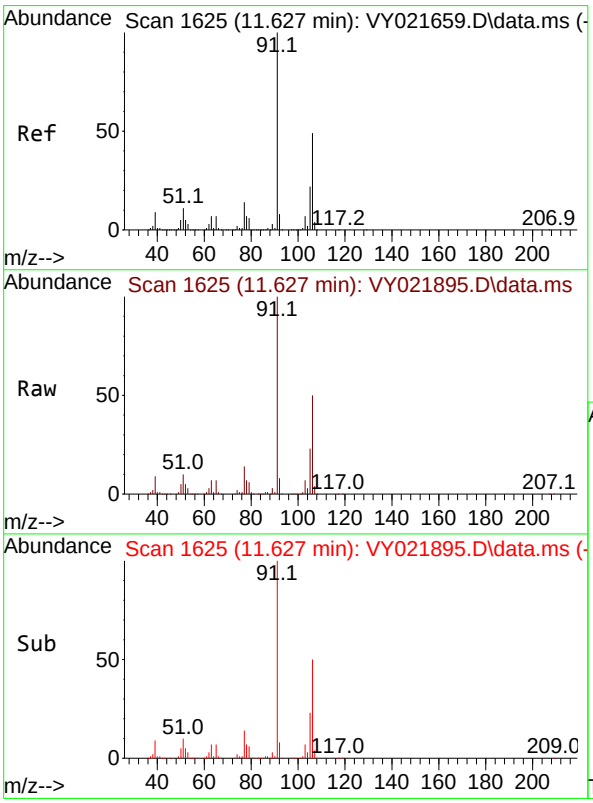
Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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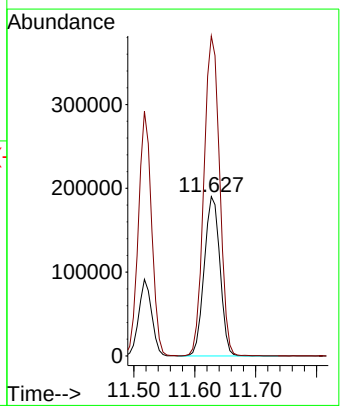
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

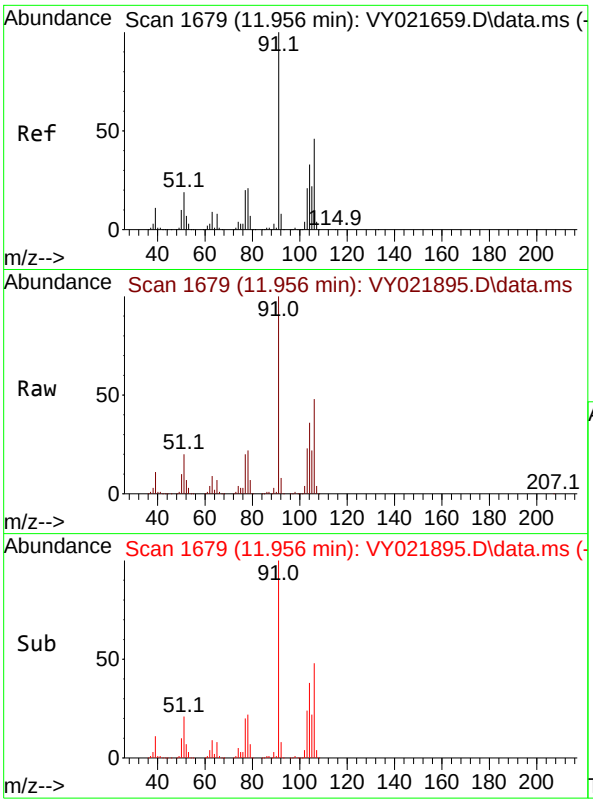


#68
m/p-Xylenes
Concen: 101.582 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:106 Resp: 341492

Ion	Ratio	Lower	Upper
106	100		
91	200.6	162.4	243.6





#69
o-Xylene
Concen: 50.918 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

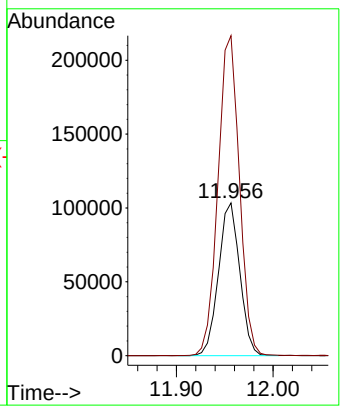
Tgt Ion:106 Resp: 15800

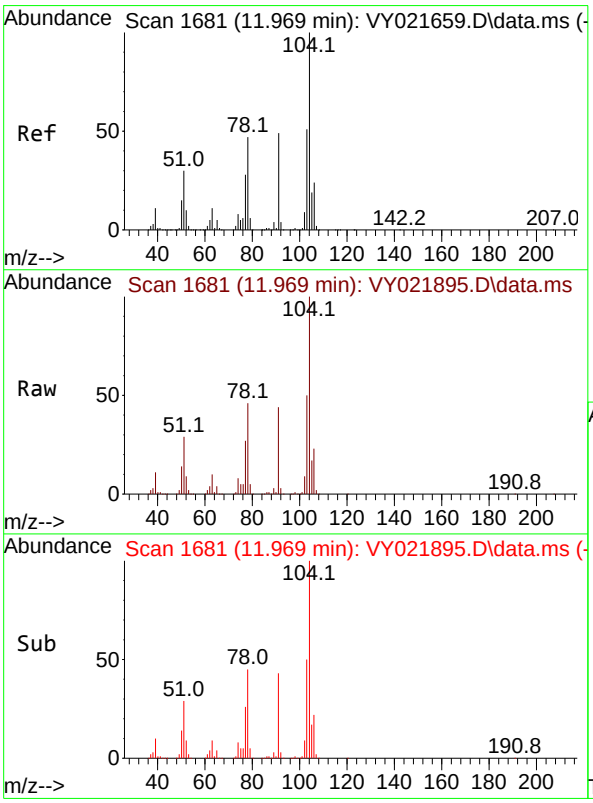
Ion	Ratio	Lower	Upper
106	100		
91	211.1	106.7	319.9

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

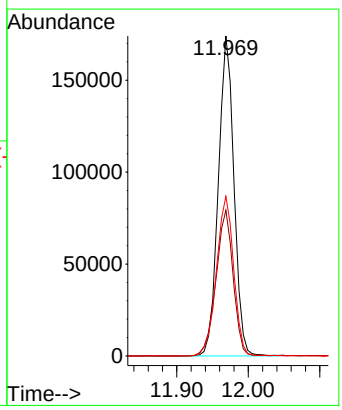


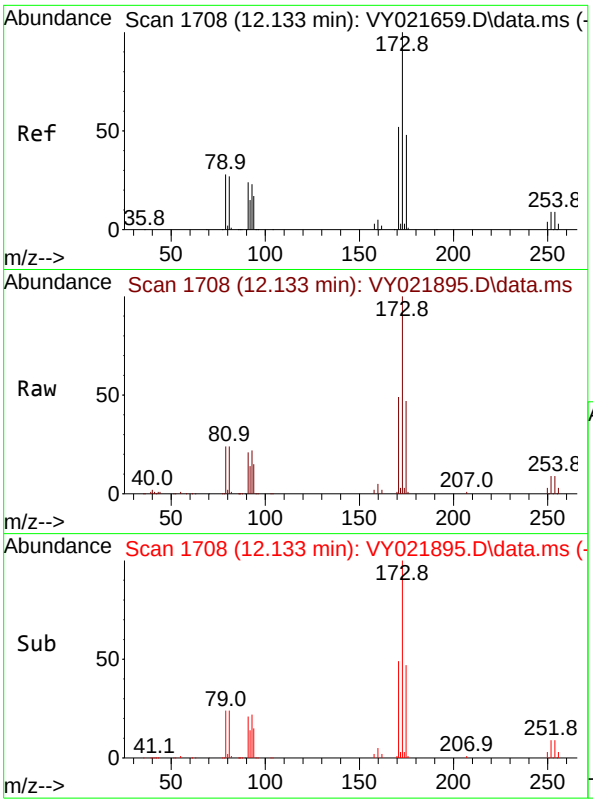


#70
Styrene
Concen: 51.105 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:104 Resp: 264416

Ion	Ratio	Lower	Upper
104	100		
78	50.0	40.8	61.2
103	55.0	44.2	66.2

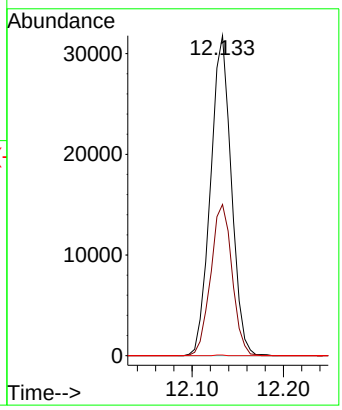




#71
Bromoform
Concen: 48.435 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:173 Resp: 5018

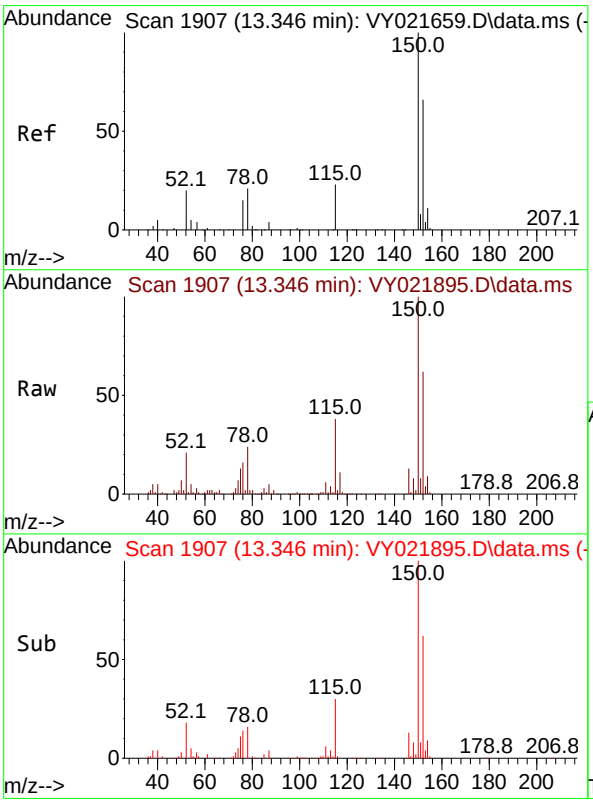
Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

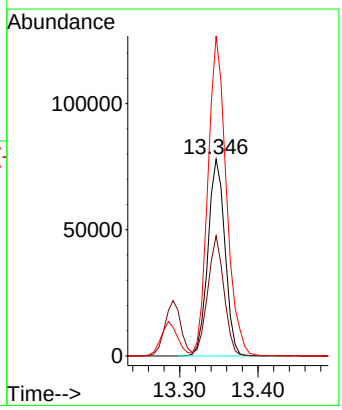
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

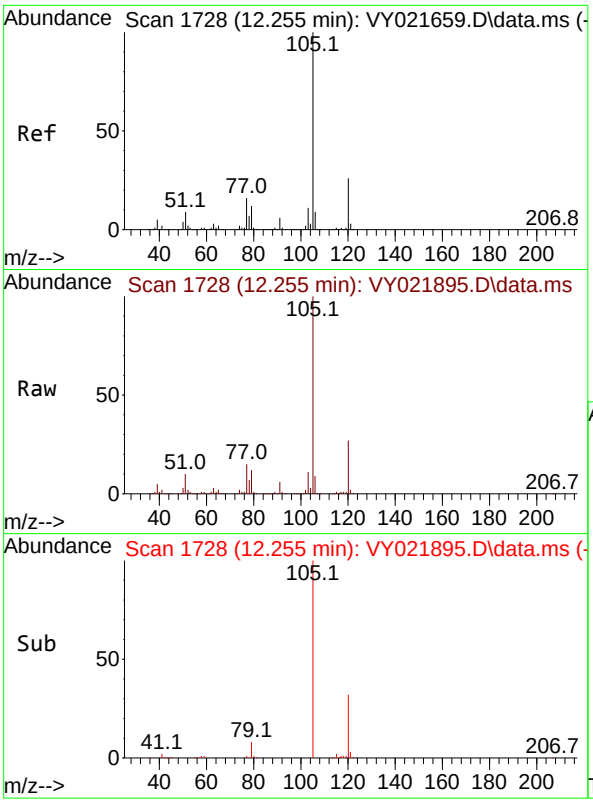


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:152 Resp: 117205

Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.8	86.5
150	176.1	0.0	348.4

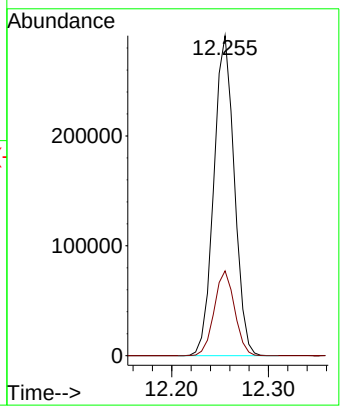




#73
Isopropylbenzene
Concen: 49.145 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:105 Resp: 42781

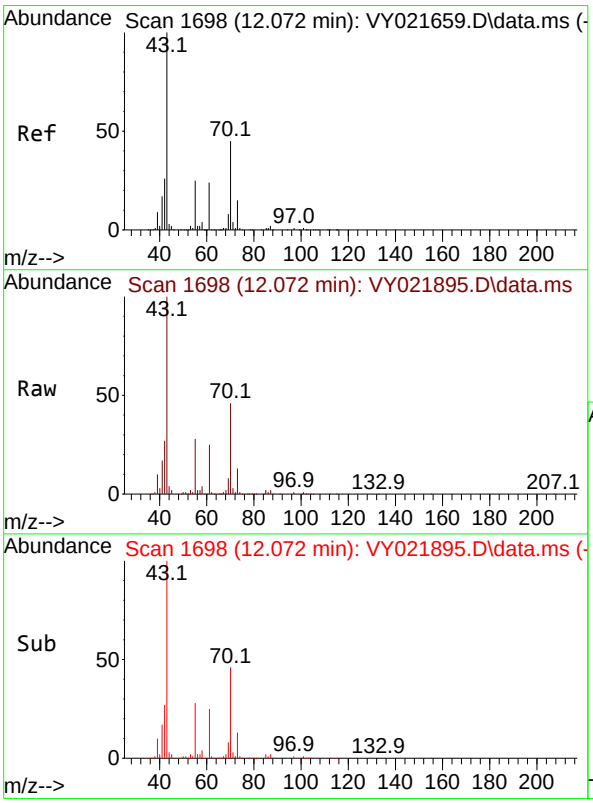
Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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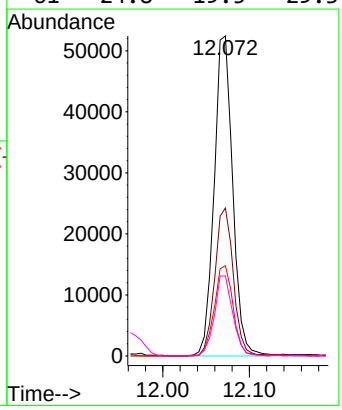
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

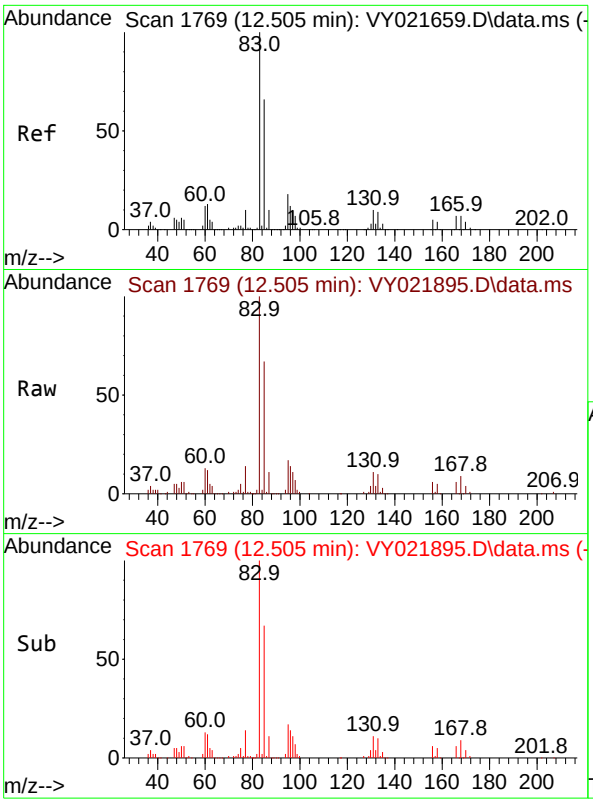


#74
N-amyl acetate
Concen: 38.297 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 43 Resp: 78242

Ion	Ratio	Lower	Upper
43	100		
70	46.5	34.7	52.1
55	28.7	21.2	31.8
61	24.8	19.5	29.3

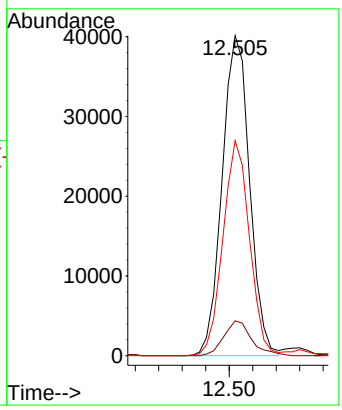




#75
1,1,2,2-Tetrachloroethane
Concen: 41.648 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 83 Resp: 6518

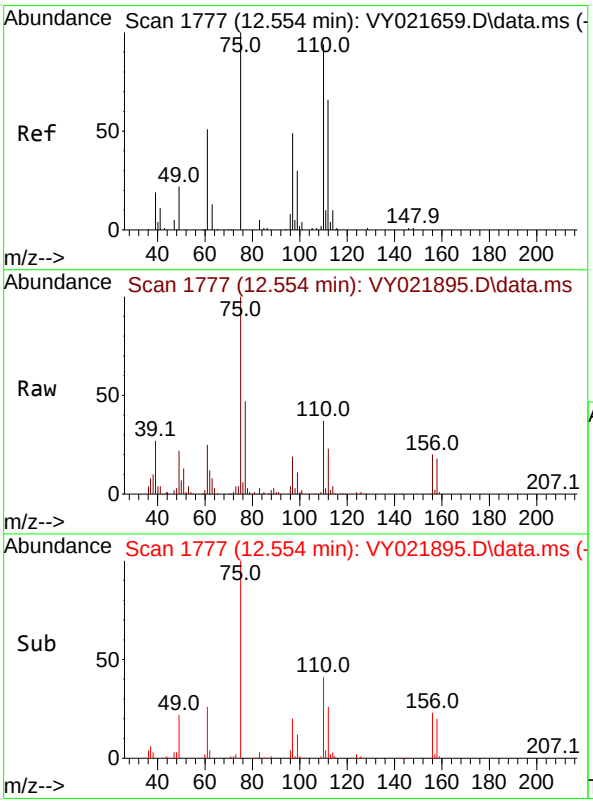
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.3
85	64.8	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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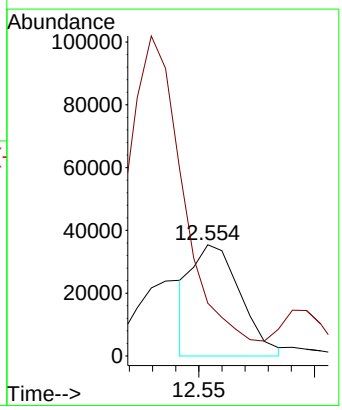
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

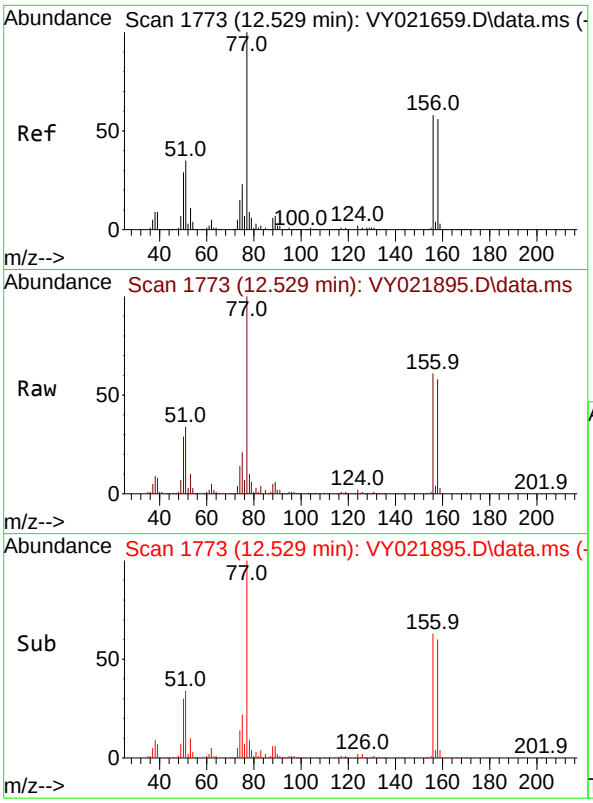


#76
1,2,3-Trichloropropane
Concen: 44.239 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 75 Resp: 51397

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

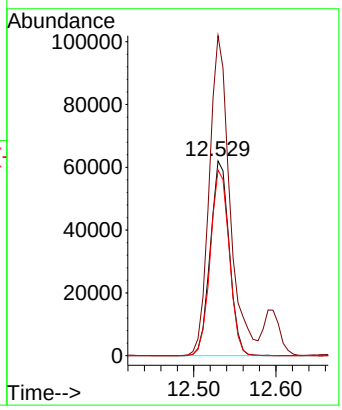




#77
Bromobenzene
Concen: 47.542 ug/l
RT: 12.529 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:156 Resp: 9936

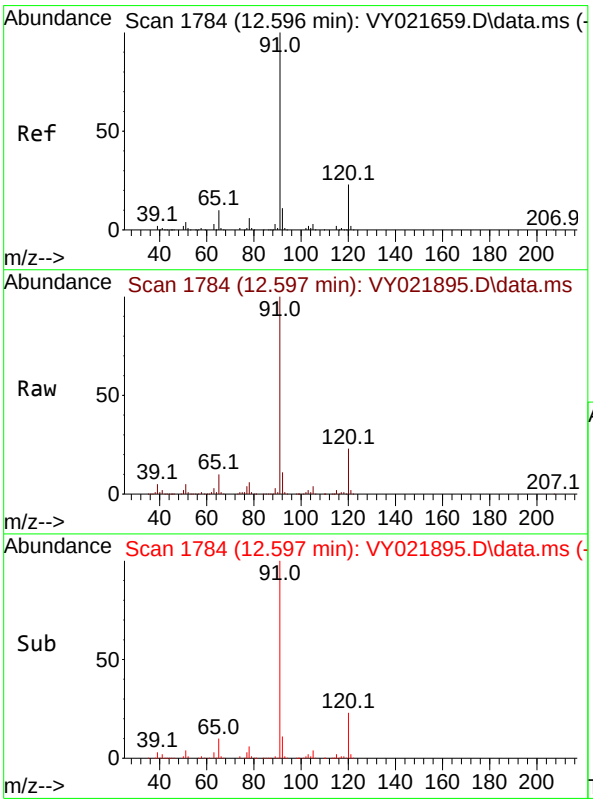
Ion	Ratio	Lower	Upper
156	100		
77	179.0	92.8	278.3
158	95.1	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
APPROVED

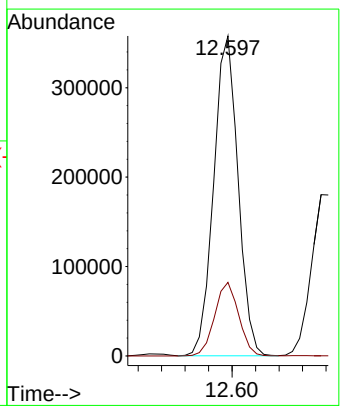
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

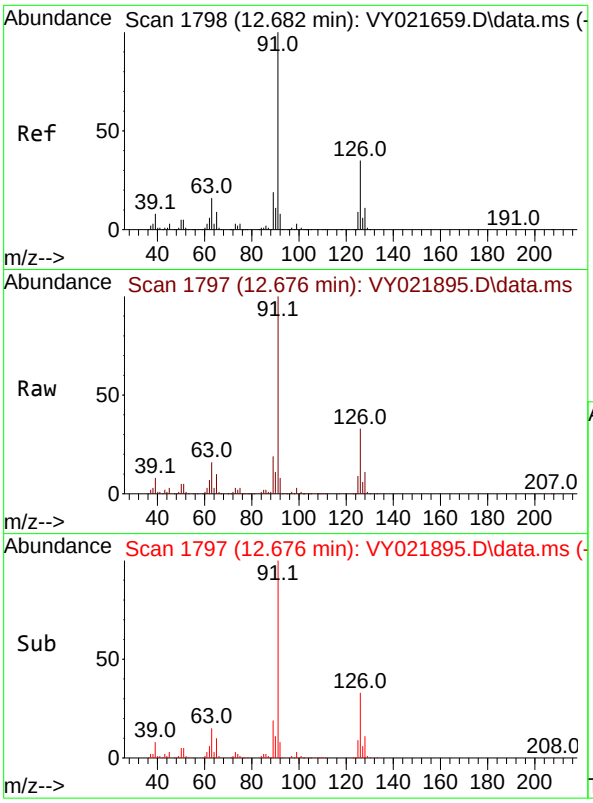


#78
n-propylbenzene
Concen: 49.188 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 91 Resp: 514790

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.9

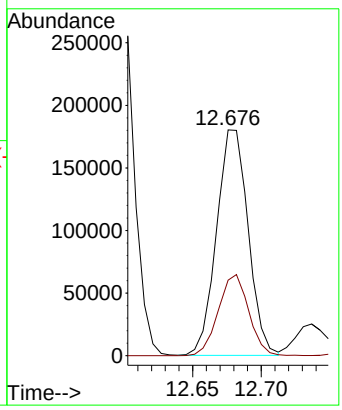




#79
2-Chlorotoluene
Concen: 47.623 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 91 Resp: 28948

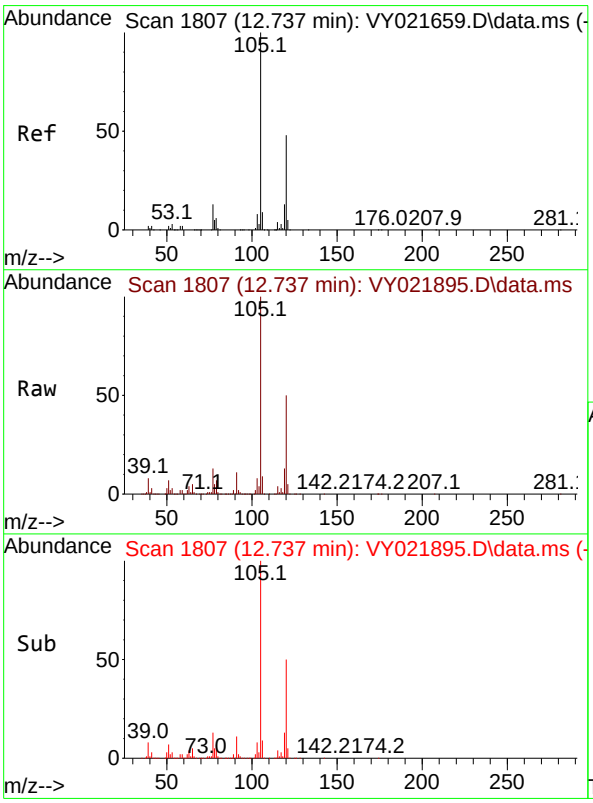
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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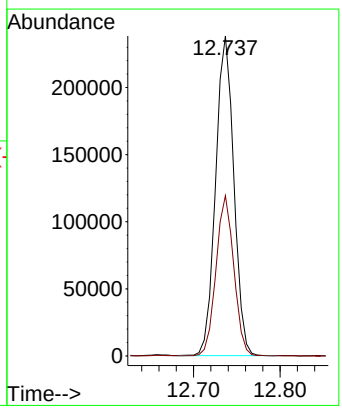
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

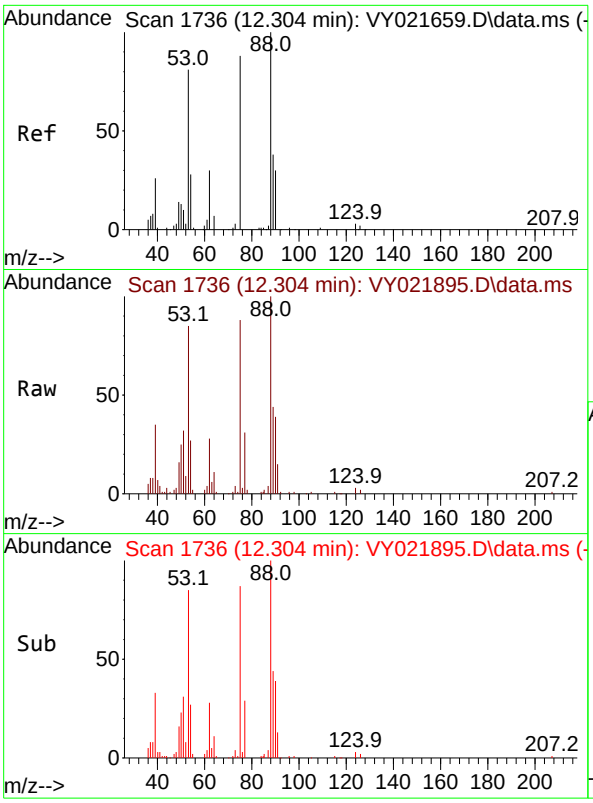


#80
1,3,5-Trimethylbenzene
Concen: 48.867 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:105 Resp: 347678

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.5	73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 39.253 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

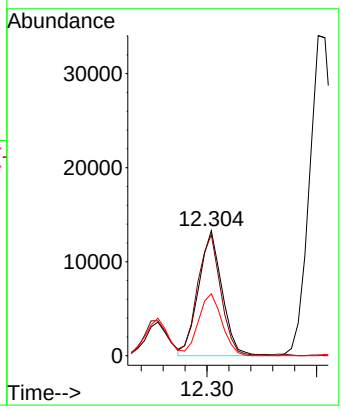
Tgt Ion: 75 Resp: 1979

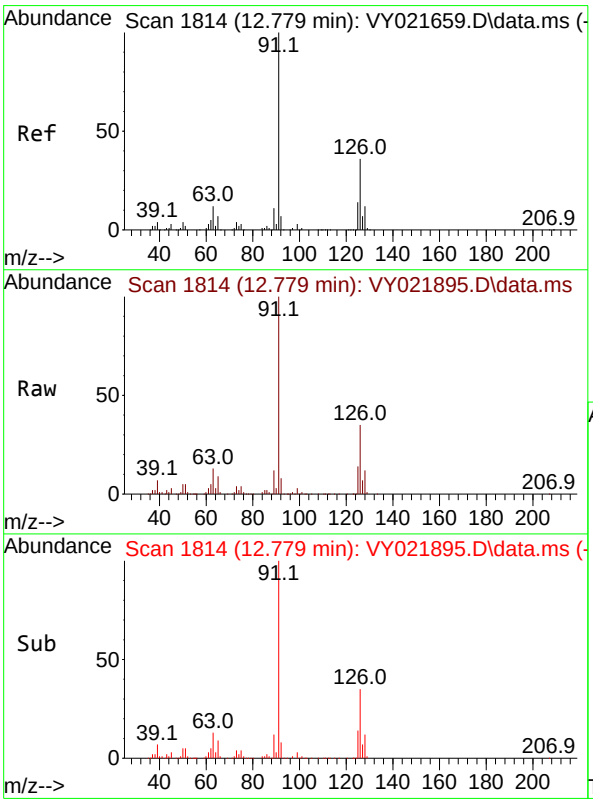
Ion	Ratio	Lower	Upper
75	100		
53	95.3	76.1	114.1
89	49.1	36.2	54.4

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

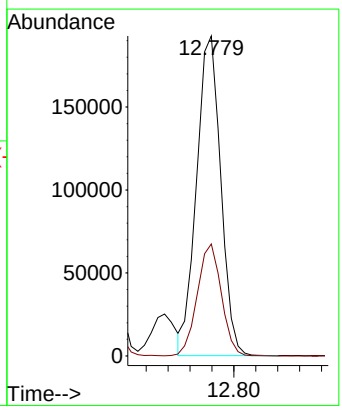


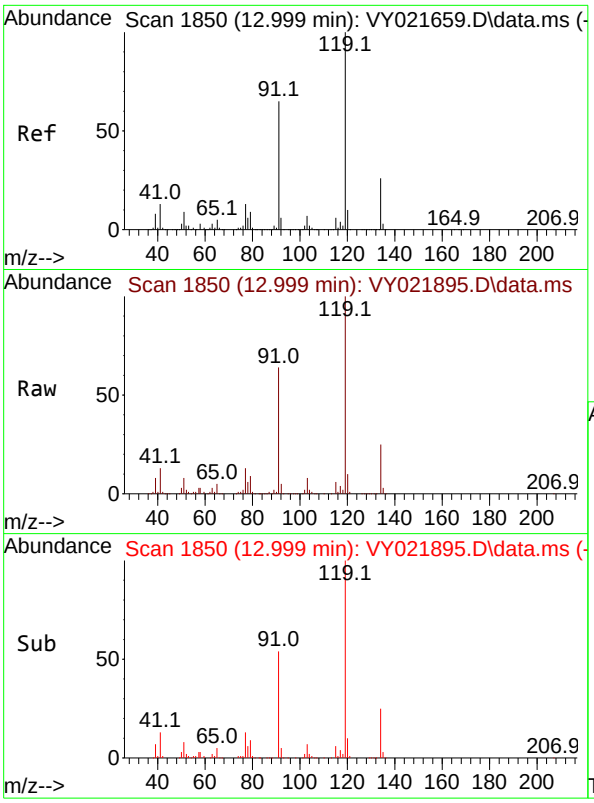


#82
4-Chlorotoluene
Concen: 46.553 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 91 Resp: 295023

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.0	50.9

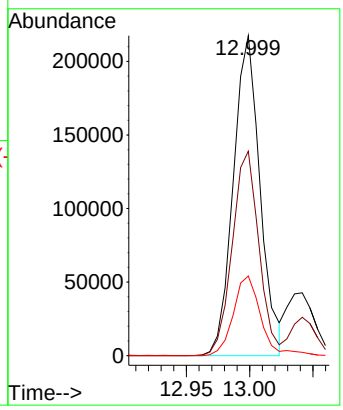




#83
tert-Butylbenzene
Concen: 50.618 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:119 Resp: 32076

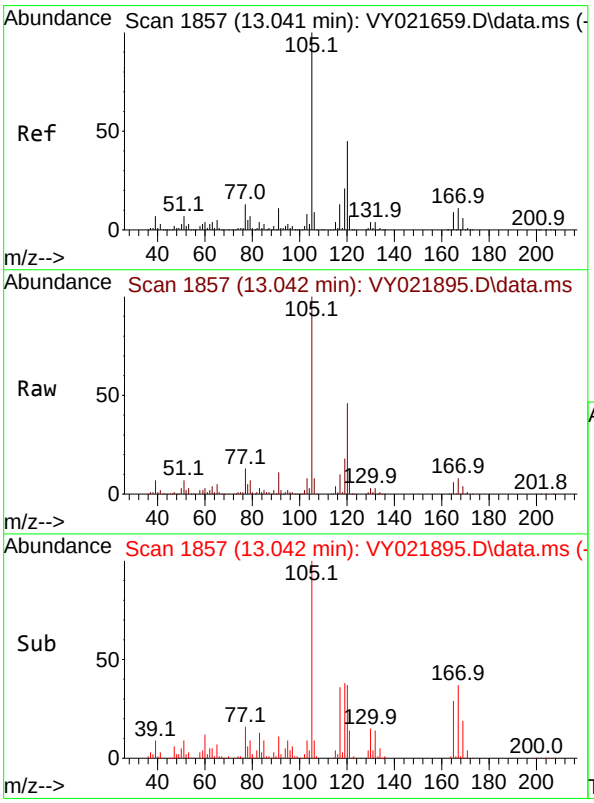
Ion	Ratio	Lower	Upper
119	100		
91	63.5	32.6	97.7
134	25.6	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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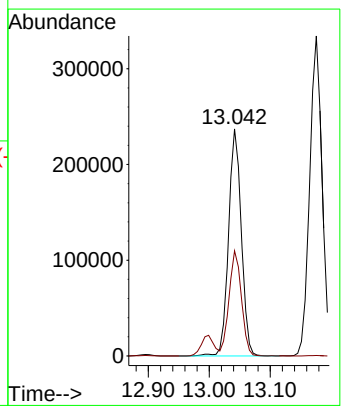
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

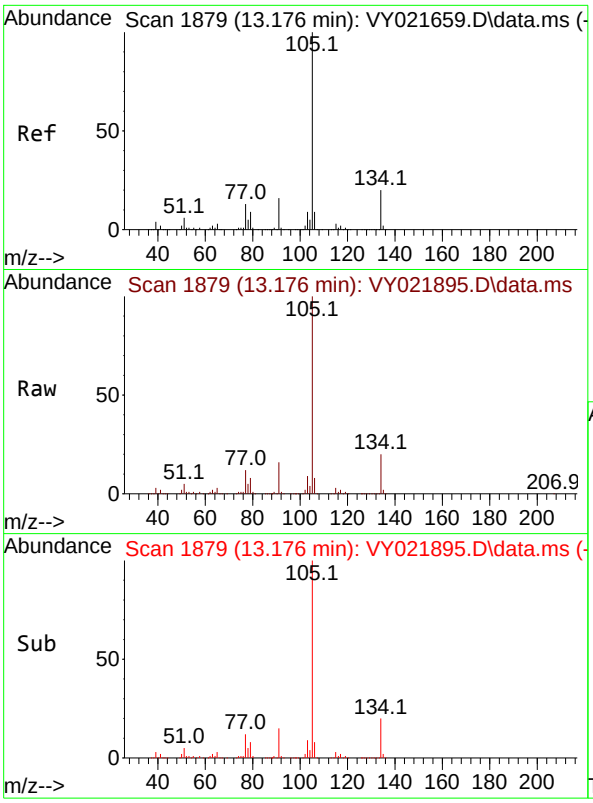


#84
1,2,4-Trimethylbenzene
Concen: 48.990 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:105 Resp: 344493

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.7	68.1





#85
sec-Butylbenzene
Concen: 51.060 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

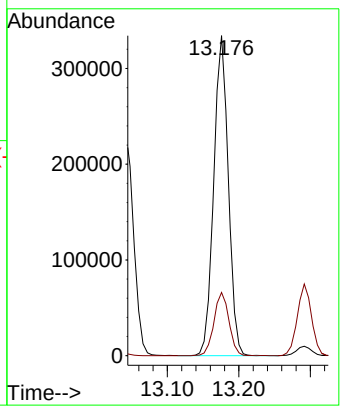
Tgt Ion:105 Resp: 47287

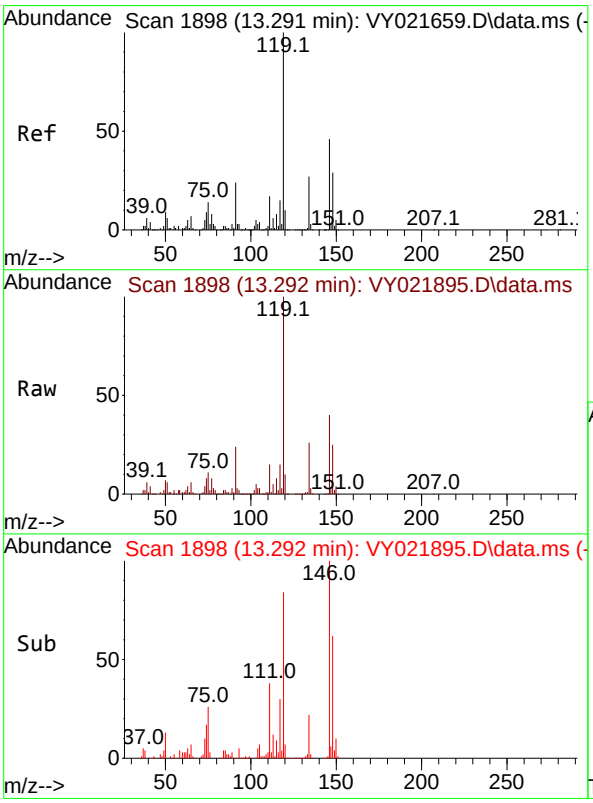
Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.1

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

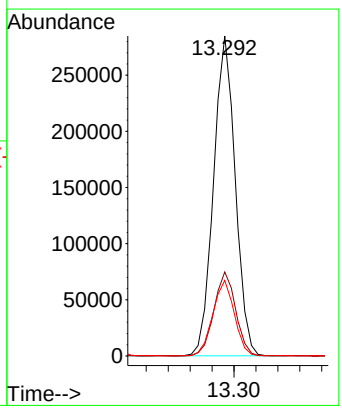


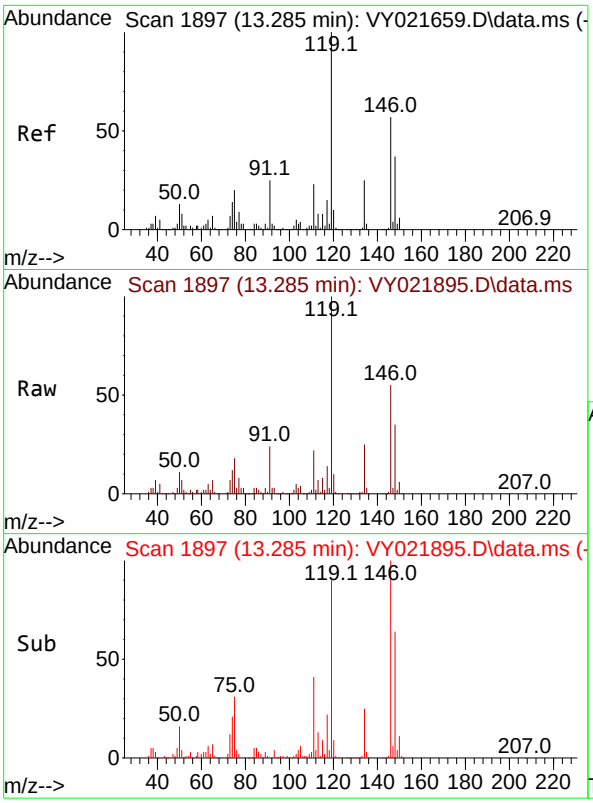


#86
p-Isopropyltoluene
Concen: 51.181 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:119 Resp: 391754

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.5
91	23.5	12.0	36.0





#87
1,3-Dichlorobenzene
Concen: 46.848 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

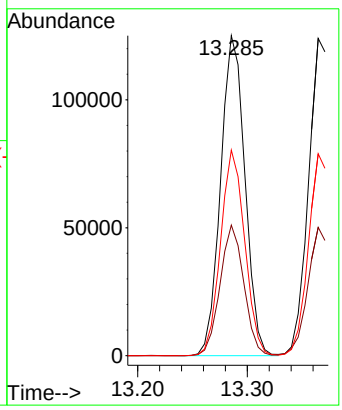
Tgt Ion:146 Resp: 19291

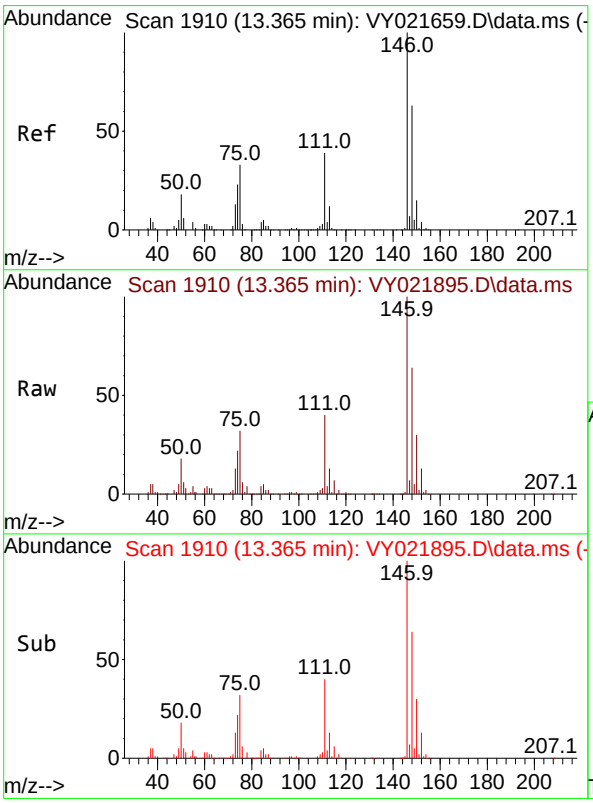
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	63.8	31.8	95.4

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

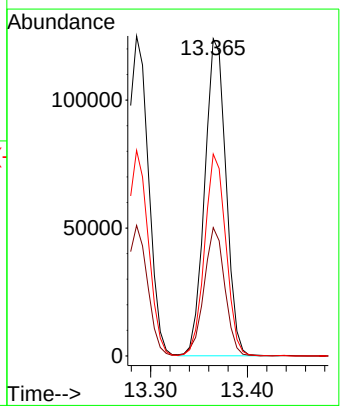


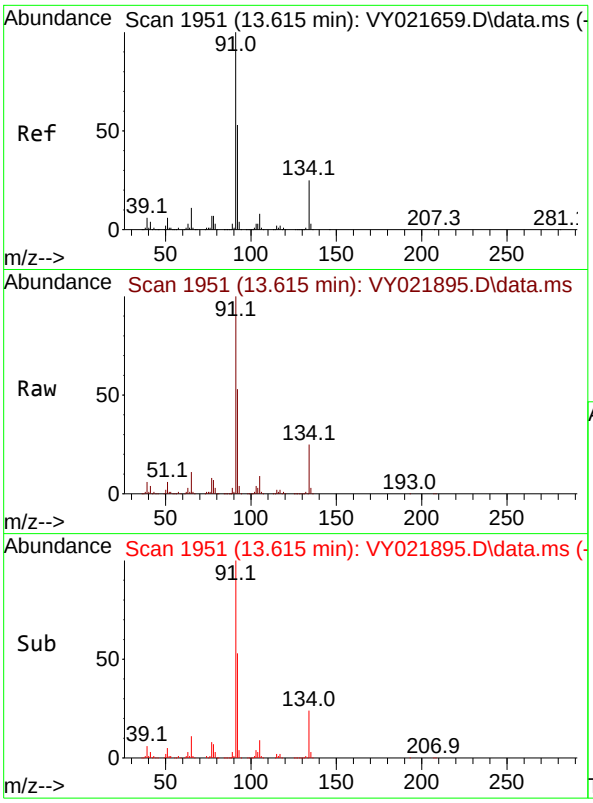


#88
1,4-Dichlorobenzene
Concen: 46.655 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:146 Resp: 189818

Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.1	57.1
148	63.7	31.5	94.5

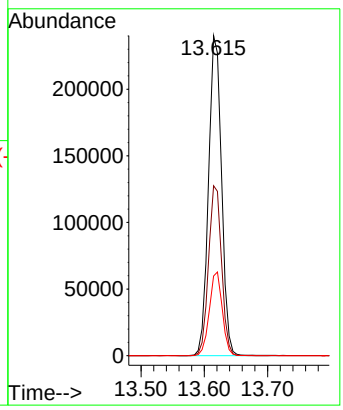




#89
n-Butylbenzene
Concen: 48.648 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 91 Resp: 34436

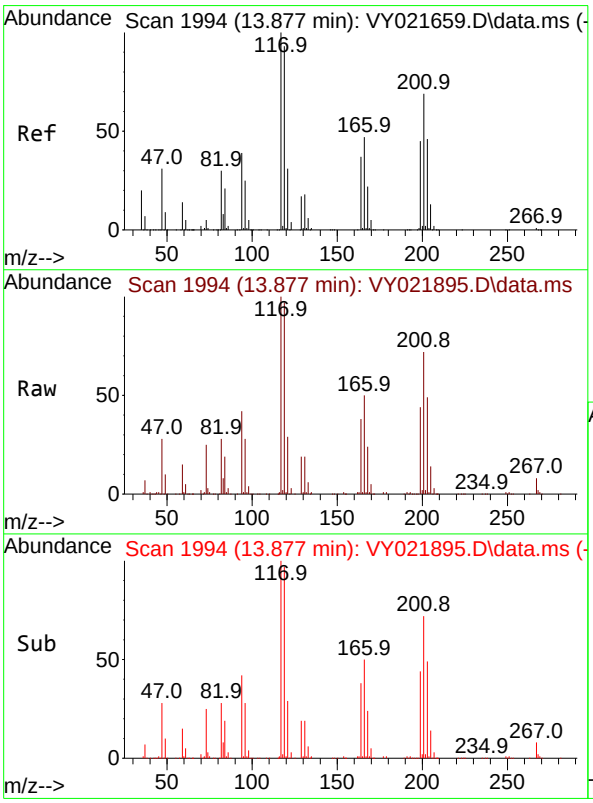
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	26.0	12.8	38.4



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

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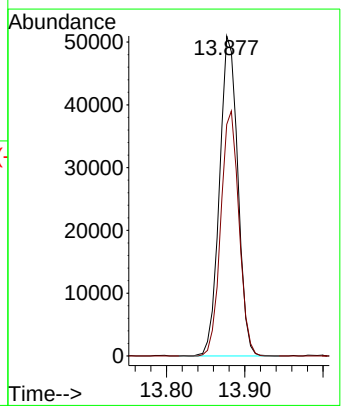
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

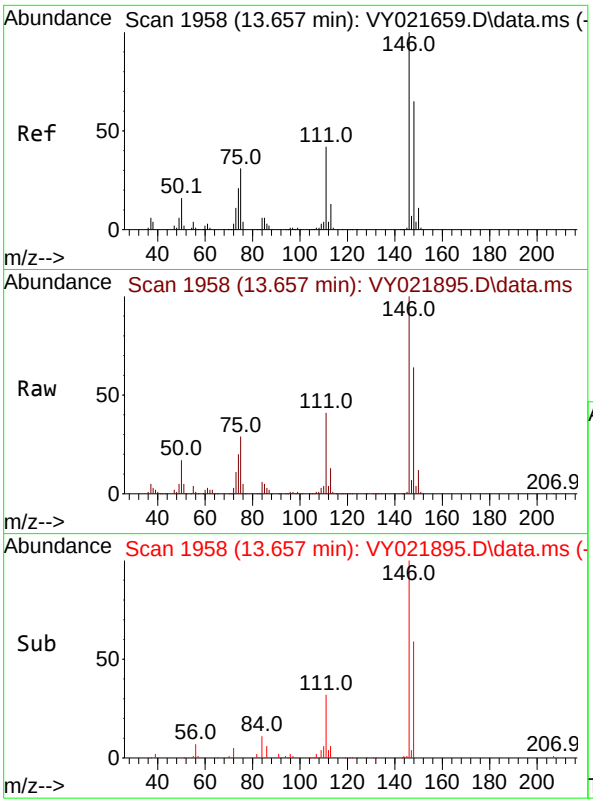


#90
Hexachloroethane
Concen: 49.366 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:117 Resp: 82803

Ion	Ratio	Lower	Upper
117	100		
201	76.0	37.4	112.1

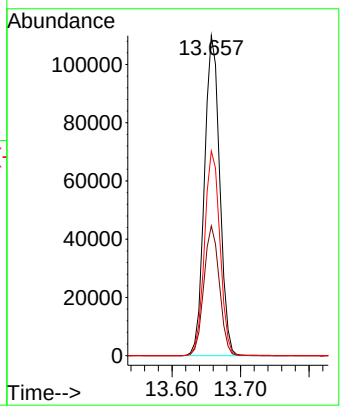




#91
1,2-Dichlorobenzene
Concen: 47.564 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

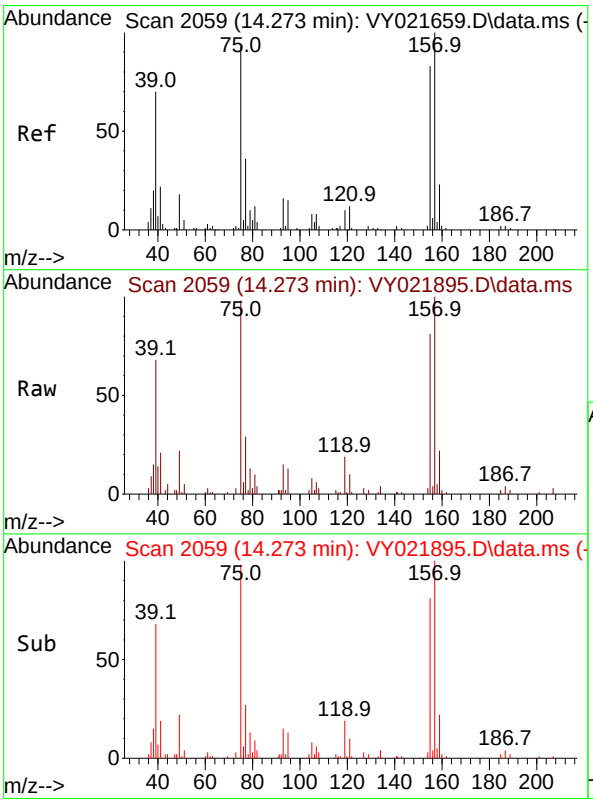
Tgt Ion:146 Resp: 17050

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	64.5	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

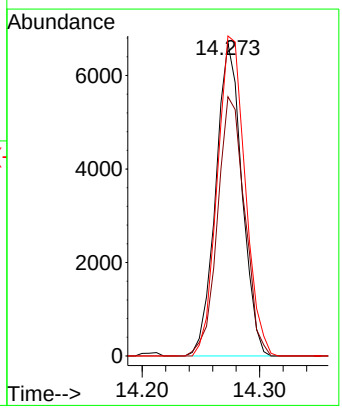
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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

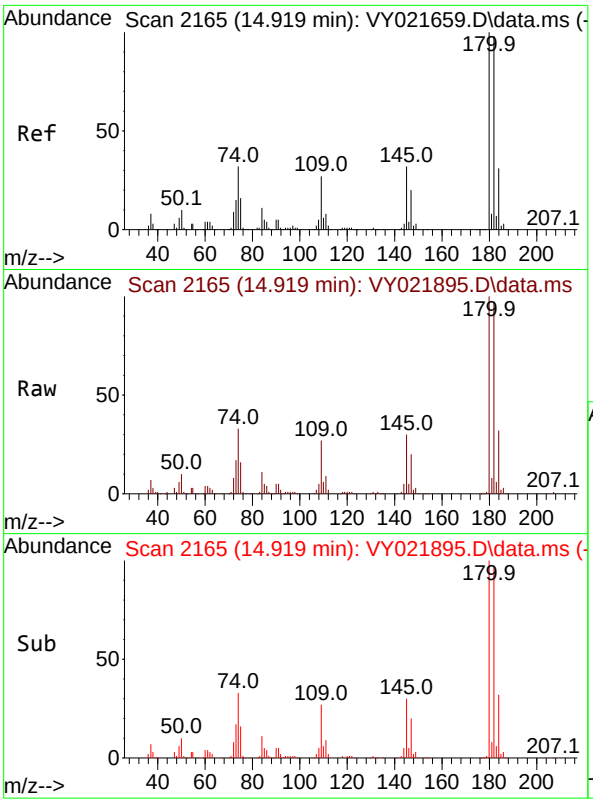


#92
1,2-Dibromo-3-Chloropropane
Concen: 42.799 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion: 75 Resp: 10382

Ion	Ratio	Lower	Upper
75	100		
155	85.4	43.0	128.8
157	108.4	54.0	162.0

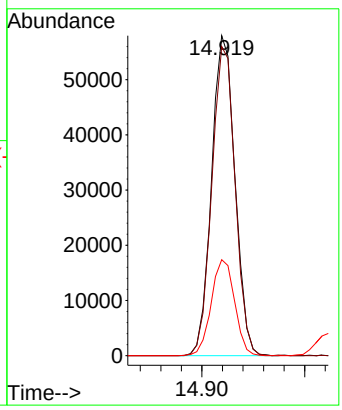




#93
1,2,4-Trichlorobenzene
Concen: 47.057 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:180 Resp: 9147

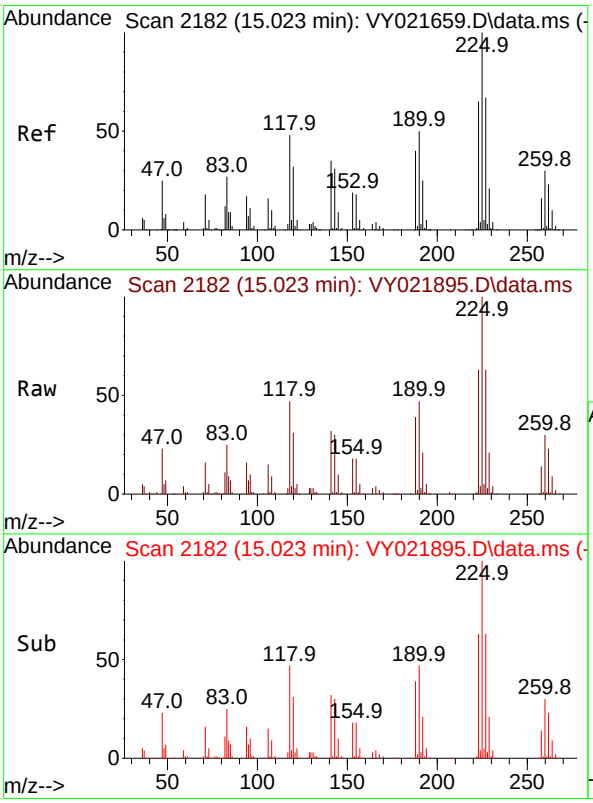
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.6
145	30.0	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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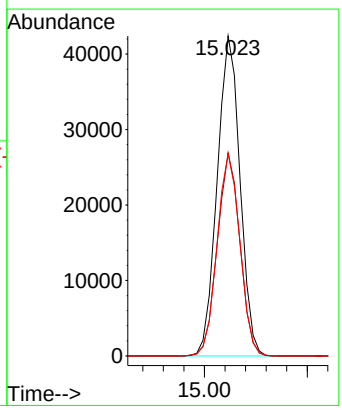
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

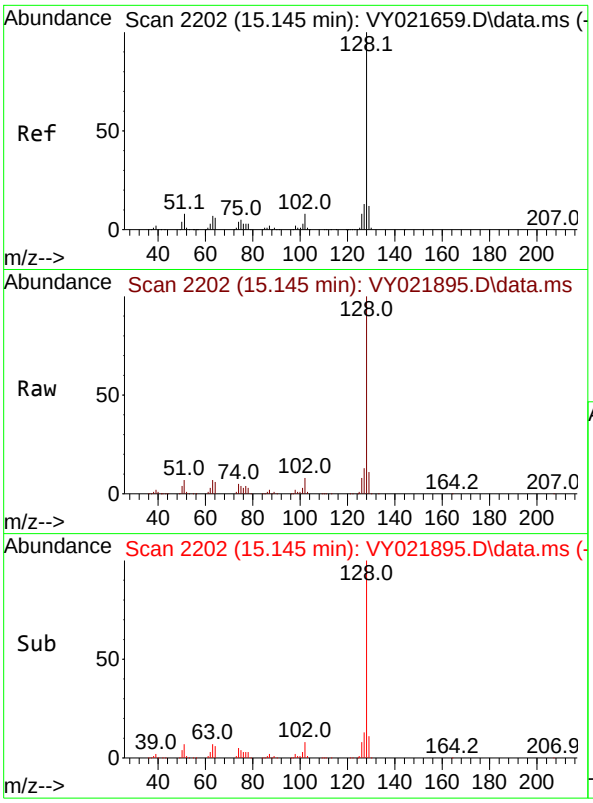


#94
Hexachlorobutadiene
Concen: 53.703 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:225 Resp: 65199

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.7
227	63.1	32.4	97.0

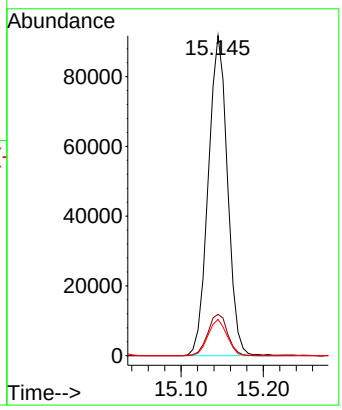




#95
Naphthalene
Concen: 46.309 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:128 Resp: 14921

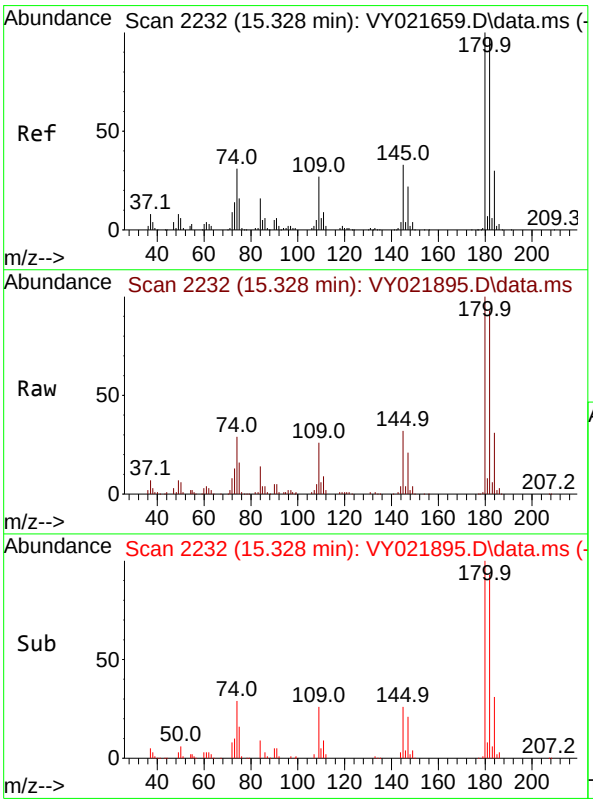
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	11.2	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MS

Manual Integrations
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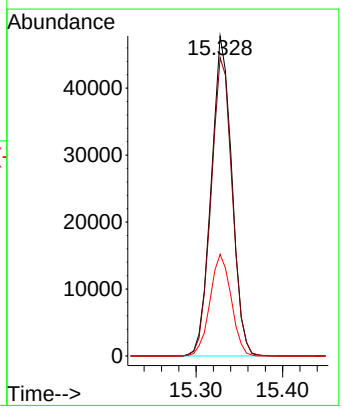
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.599 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021895.D
Acq: 15 Apr 2025 14:49

Tgt Ion:180 Resp: 78906

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	32.6	15.9	47.7



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/10/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/10/25
Client Sample ID:	S-872-G1-SO-20.0-20.5-041025MSD	SDG No.:	Q1790
Lab Sample ID:	Q1790-03MSD	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	76.1
Sample Wt/Vol:	7.25 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021896.D	1		04/15/25 15:11	VY041525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
79-01-6	Trichloroethene	100		0.73	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		70 - 134	108%	SPK: 50
2037-26-5	Toluene-d8	52.2		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		38 - 136	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	126000	7.713			
540-36-3	1,4-Difluorobenzene	192000	8.616			
3114-55-4	Chlorobenzene-d5	179000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	98600	13.346			

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\VY041525\
Data File : VY021896.D
Acq On : 15 Apr 2025 15:11
Operator : SY/MD
Sample : Q1790-03MSD
Misc : 7.25g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 16 03:02:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.713	168	125617	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	191919	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	178956	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	98584	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	72010	52.909 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.820%		
35) Dibromofluoromethane	7.634	113	67321	54.075 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.160%		
50) Toluene-d8	10.109	98	247087	52.170 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.340%		
62) 4-Bromofluorobenzene	12.408	95	88431	55.201 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.400%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.861	85	80689	61.974 ug/l	99
3) Chloromethane	2.068	50	100308	54.790 ug/l	99
4) Vinyl Chloride	2.202	62	119779	57.852 ug/l	99
5) Bromomethane	2.598	94	72458	51.311 ug/l	99
6) Chloroethane	2.732	64	73542	54.282 ug/l	98
7) Trichlorofluoromethane	3.056	101	166012	62.593 ug/l	95
8) Diethyl Ether	3.452	74	40100	55.596 ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	94657	67.667 ug/l	98
10) Methyl Iodide	4.007	142	96841	63.104 ug/l	99
11) Tert butyl alcohol	4.872	59	22322	252.505 ug/l	99
12) 1,1-Dichloroethene	3.793	96	80167	60.843 ug/l	95
13) Acrolein	3.659	56	8838	54.752 ug/l	99
14) Allyl chloride	4.385	41	89540	42.622 ug/l	99
15) Acrylonitrile	5.061	53	86999	288.882 ug/l	99
16) Acetone	3.873	43	73349	263.326 ug/l	92
17) Carbon Disulfide	4.104	76	240563	55.432 ug/l	99
18) Methyl Acetate	4.385	43	54359	78.741 ug/l	98
19) Methyl tert-butyl Ether	5.116	73	189488	57.764 ug/l	97
20) Methylene Chloride	4.616	84	94168	70.688 ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	85413	58.876 ug/l	93
22) Diisopropyl ether	6.019	45	255521	57.982 ug/l	99
23) Vinyl Acetate	5.964	43	582548	225.962 ug/l	97
24) 1,1-Dichloroethane	5.915	63	157011	59.584 ug/l	100
25) 2-Butanone	6.896	43	109170	274.398 ug/l	96
26) 2,2-Dichloropropane	6.890	77	133576	56.986 ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	161772	99.159 ug/l	93
28) Bromochloromethane	7.244	49	60501	54.440 ug/l	97
29) Tetrahydrofuran	7.262	42	68697	268.291 ug/l	98
30) Chloroform	7.421	83	160381	58.516 ug/l	100
31) Cyclohexane	7.701	56	145919	60.746 ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	151519	61.166 ug/l	100
36) 1,1-Dichloropropene	7.835	75	118647	62.569 ug/l	98
37) Ethyl Acetate	6.982	43	49658	55.489 ug/l	99
38) Carbon Tetrachloride	7.817	117	142154	65.453 ug/l	99
39) Methylcyclohexane	9.109	83	159575	70.444 ug/l	99
40) Benzene	8.079	78	348429	61.356 ug/l	99

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Response via : Initial Calibration

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MSVOA_Y
ClientSampleId :
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Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	28813	60.625	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	95605	59.718	ug/l		98
43) Isopropyl Acetate	8.195	43	97435	57.452	ug/l	#	84
44) Trichloroethene	8.866	130	162112	112.040	ug/l		99
45) 1,2-Dichloropropane	9.140	63	81861	60.899	ug/l		98
46) Dibromomethane	9.231	93	47620	61.469	ug/l		99
47) Bromodichloromethane	9.426	83	122527	61.038	ug/l		98
48) Methyl methacrylate	9.219	41	46621	59.896	ug/l		100
49) 1,4-Dioxane	9.231	88	9655	1163.394	ug/l		90
51) 4-Methyl-2-Pentanone	9.999	43	262459	297.383	ug/l		99
52) Toluene	10.170	92	218888	61.779	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	106171	59.546	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	124081	58.989	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	62260	62.451	ug/l		98
56) Ethyl methacrylate	10.438	69	77724	61.056	ug/l		96
57) 1,3-Dichloropropane	10.719	76	105196	61.097	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	204684	329.602	ug/l		98
59) 2-Hexanone	10.762	43	169687	288.695	ug/l		99
60) Dibromochloromethane	10.914	129	87251	64.101	ug/l		99
61) 1,2-Dibromoethane	11.012	107	57114	61.071	ug/l		96
64) Tetrachloroethene	10.646	164	110011	67.496	ug/l		100
65) Chlorobenzene	11.438	112	234749	57.224	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	84022	57.728	ug/l		97
67) Ethyl Benzene	11.518	91	409824	58.259	ug/l		98
68) m/p-Xylenes	11.627	106	318312	118.169	ug/l		99
69) o-Xylene	11.956	106	148326	59.653	ug/l		99
70) Styrene	11.969	104	246680	59.501	ug/l		99
71) Bromoform	12.133	173	50713	61.083	ug/l		99
73) Isopropylbenzene	12.255	105	406242	55.481	ug/l		99
74) N-amyl acetate	12.072	43	84238	49.020	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	67139	51.000	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	52490m	53.714	ug/l		
77) Bromobenzene	12.530	156	94427	53.711	ug/l		97
78) n-propylbenzene	12.597	91	490327	55.700	ug/l		99
79) 2-Chlorotoluene	12.682	91	274483	53.684	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	327480	54.722	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	20024	47.214	ug/l		96
82) 4-Chlorotoluene	12.779	91	281320	52.776	ug/l		99
83) tert-Butylbenzene	12.999	119	303077	56.860	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	331069	55.974	ug/l		99
85) sec-Butylbenzene	13.176	105	452912	58.143	ug/l		100
86) p-Isopropyltoluene	13.292	119	371295	57.671	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	186413	53.819	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	184578	53.936	ug/l		99
89) n-Butylbenzene	13.615	91	338751	56.894	ug/l		100
90) Hexachloroethane	13.883	117	78405	55.573	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	166819	55.326	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11257	55.171	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	93351	57.091	ug/l		99
94) Hexachlorobutadiene	15.023	225	62755	61.453	ug/l		99
95) Naphthalene	15.145	128	162339	59.898	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	81664	58.568	ug/l		98

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

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

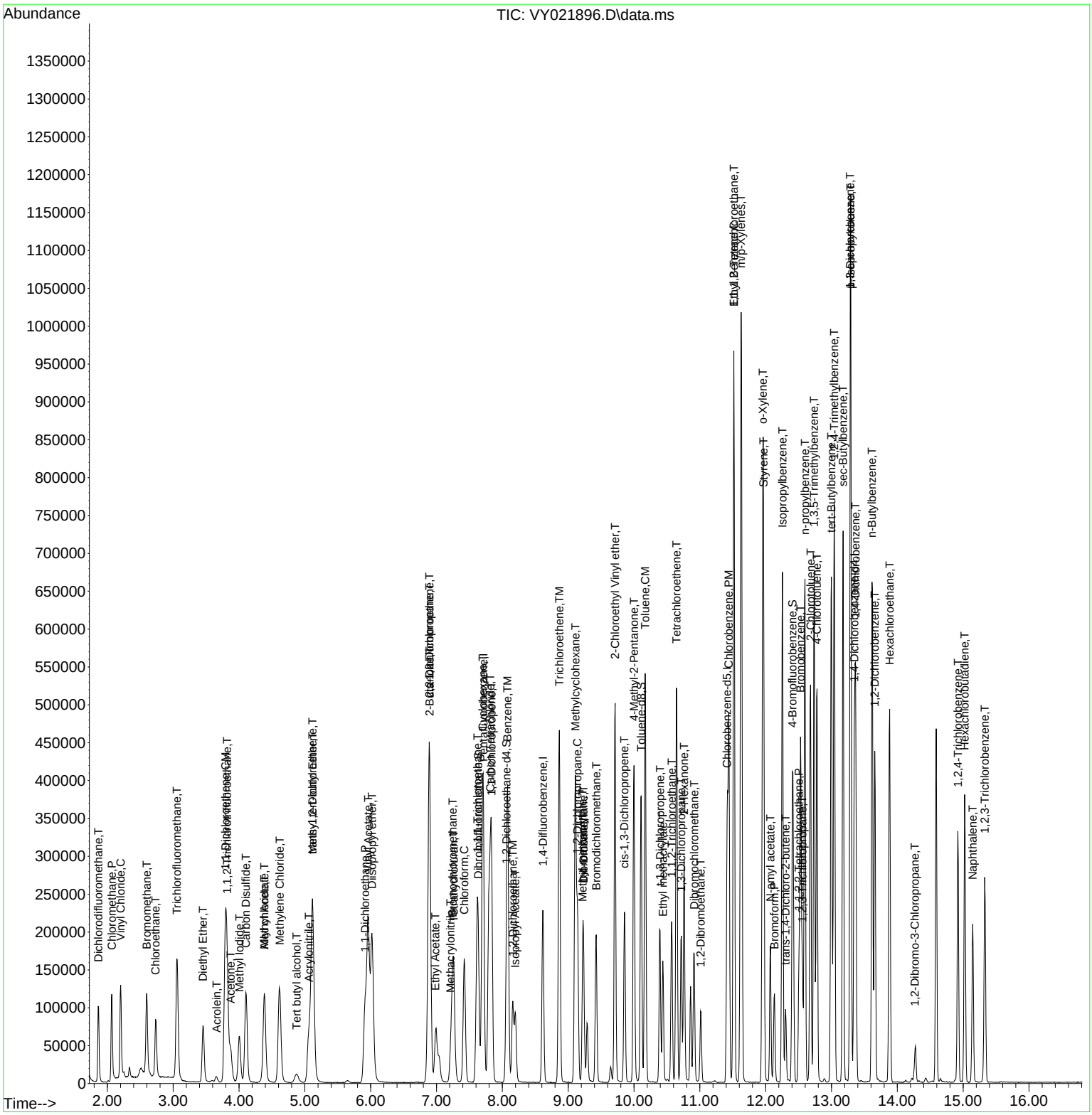
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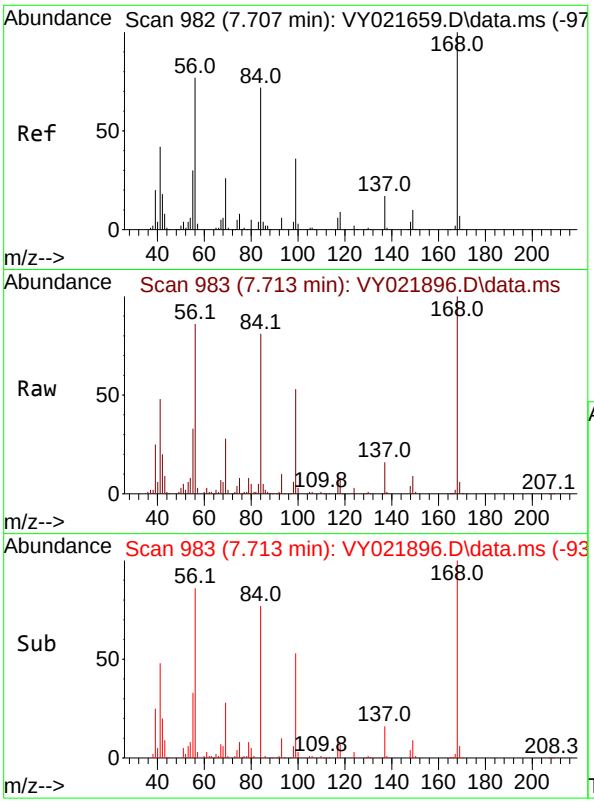
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

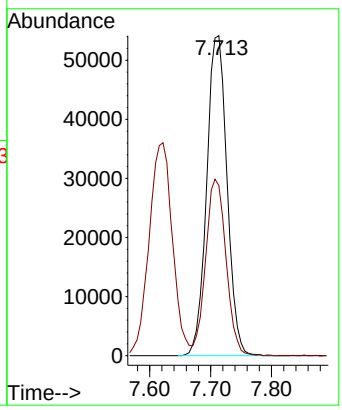
Tgt Ion:168 Resp: 12561

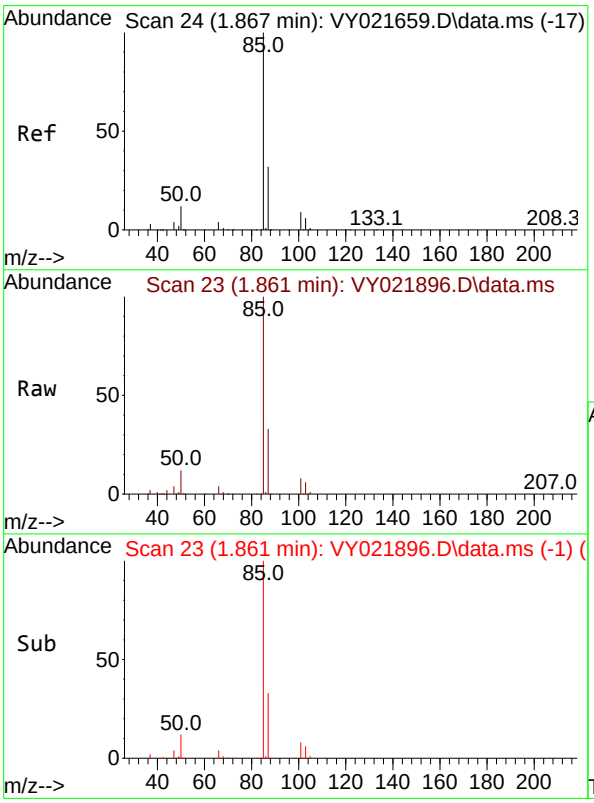
Ion	Ratio	Lower	Upper
168	100		
99	53.2	46.7	70.1

Instrument :
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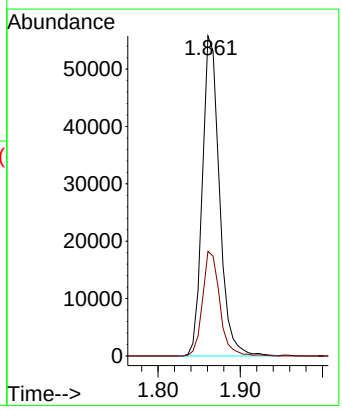


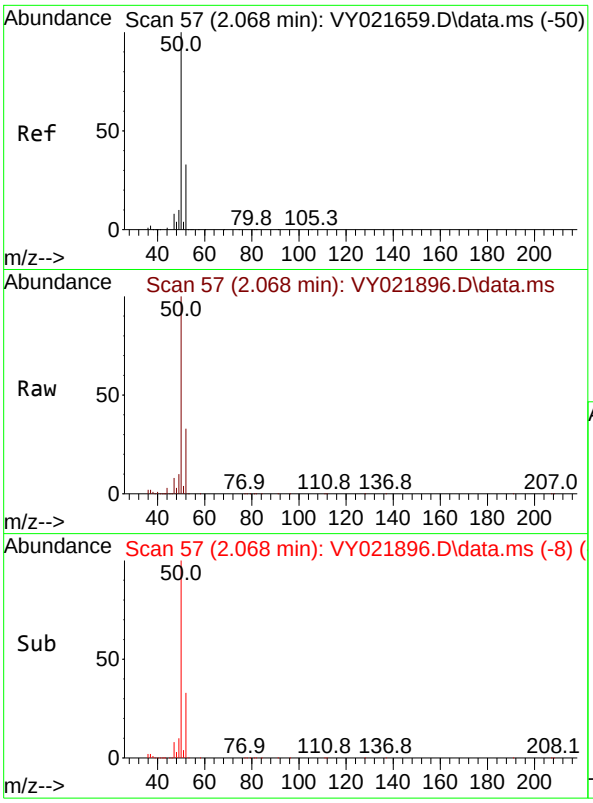


#2
Dichlorodifluoromethane
Concen: 61.974 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 85 Resp: 80689

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.2	48.6

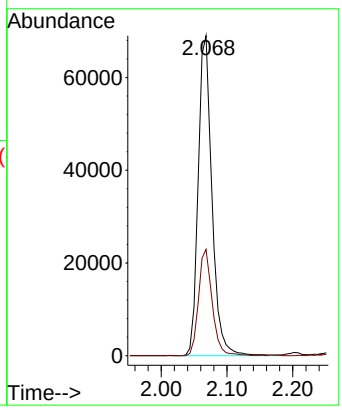




#3
Chloromethane
Concen: 54.790 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 50 Resp: 10030

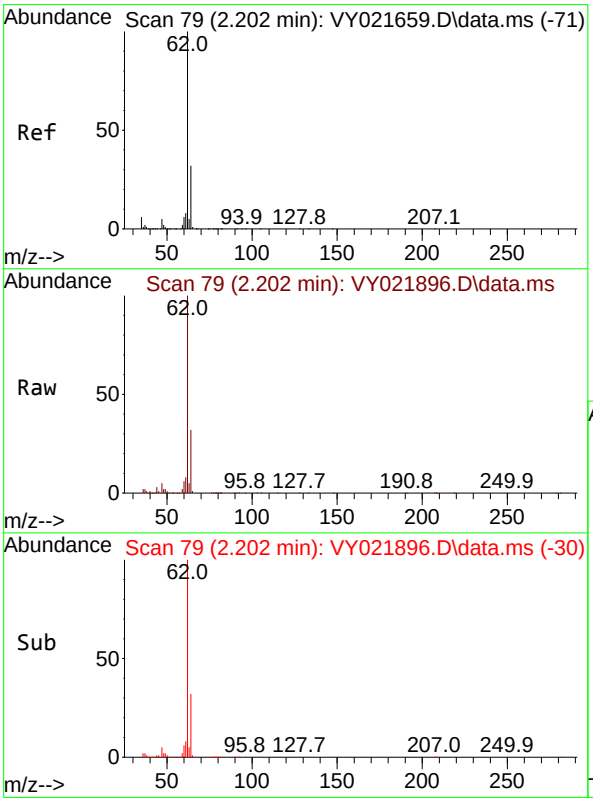
Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.3	39.5



Instrument :
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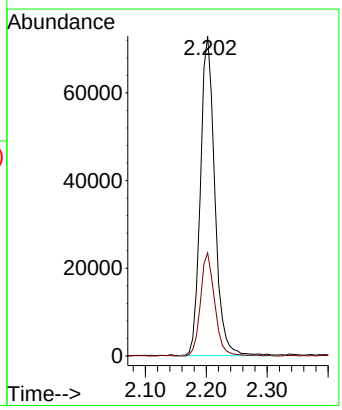
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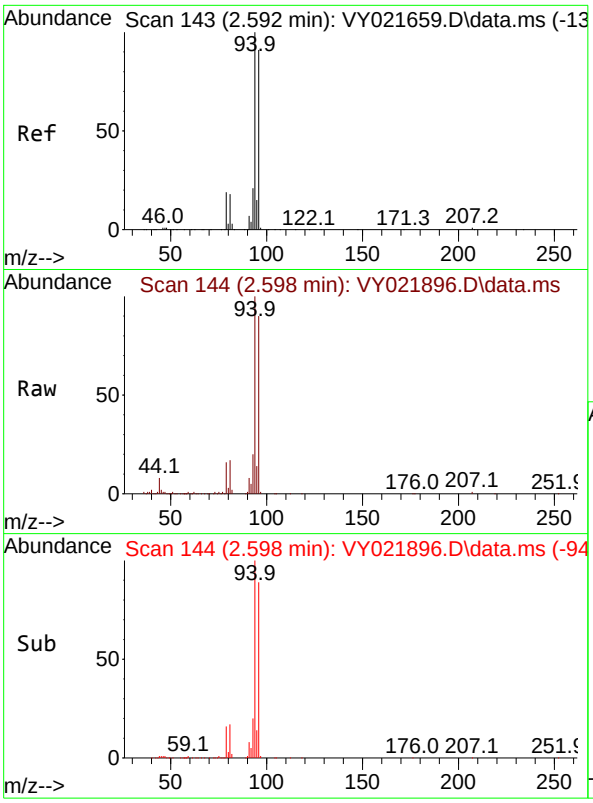


#4
Vinyl Chloride
Concen: 57.852 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 62 Resp: 119779

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.5	38.3

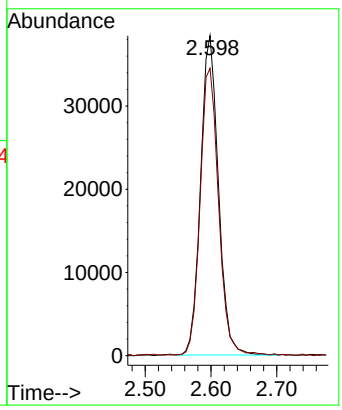




#5
Bromomethane
Concen: 51.311 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 94 Resp: 7245

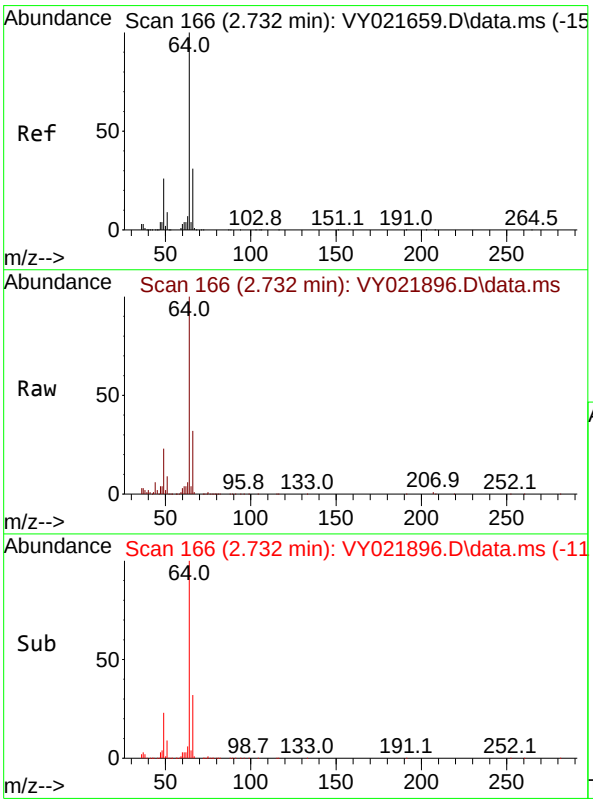
Ion	Ratio	Lower	Upper
94	100		
96	89.7	72.8	109.2



Instrument :
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Manual Integrations
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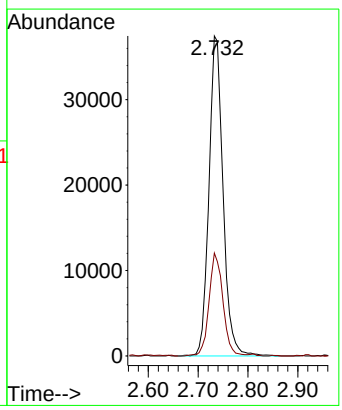
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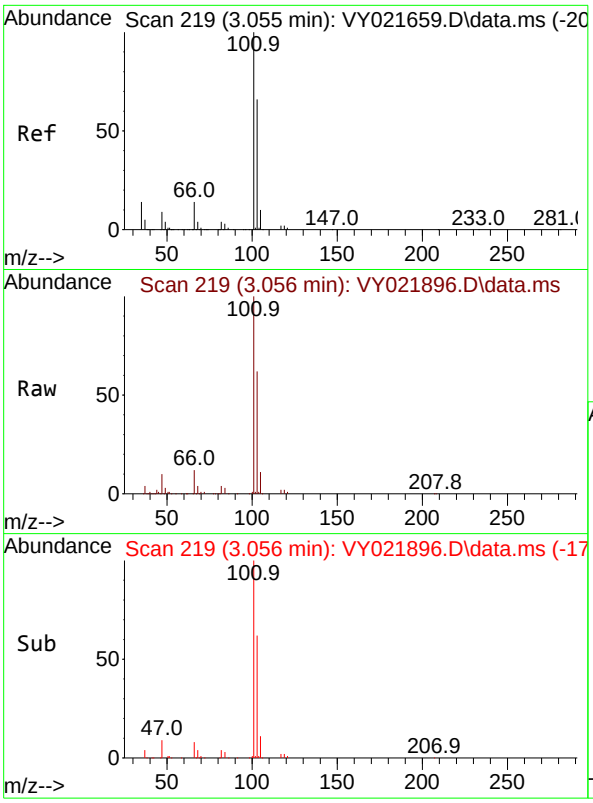


#6
Chloroethane
Concen: 54.282 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 64 Resp: 73542

Ion	Ratio	Lower	Upper
64	100		
66	32.1	24.9	37.3

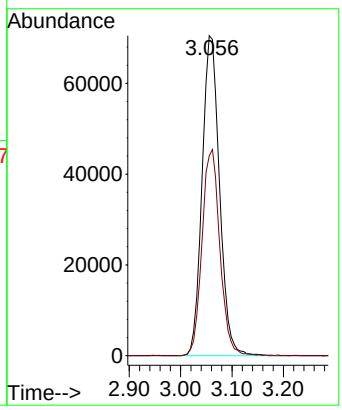




#7
Trichlorofluoromethane
Concen: 62.593 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:101 Resp: 16601

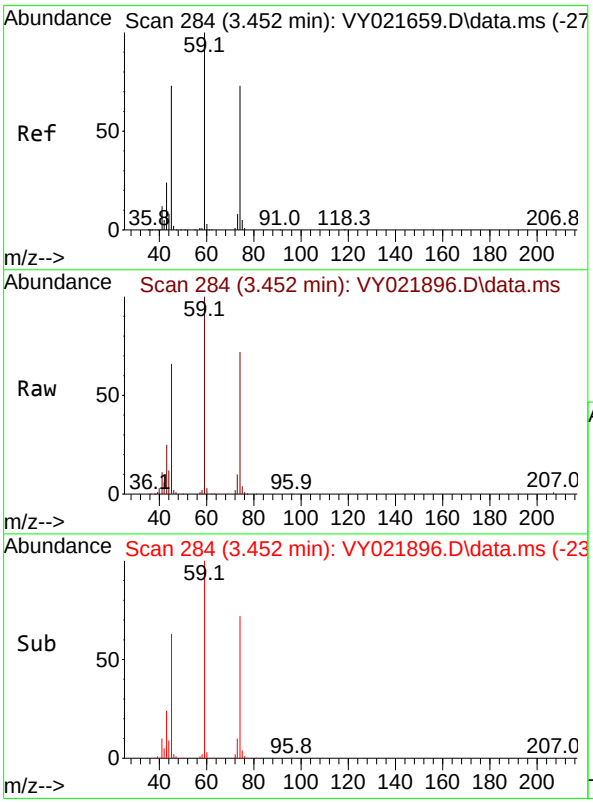
Ion	Ratio	Lower	Upper
101	100		
103	62.5	53.1	79.7



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

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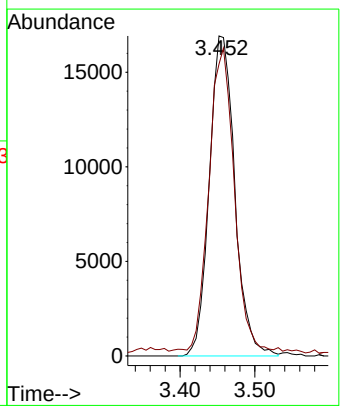
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

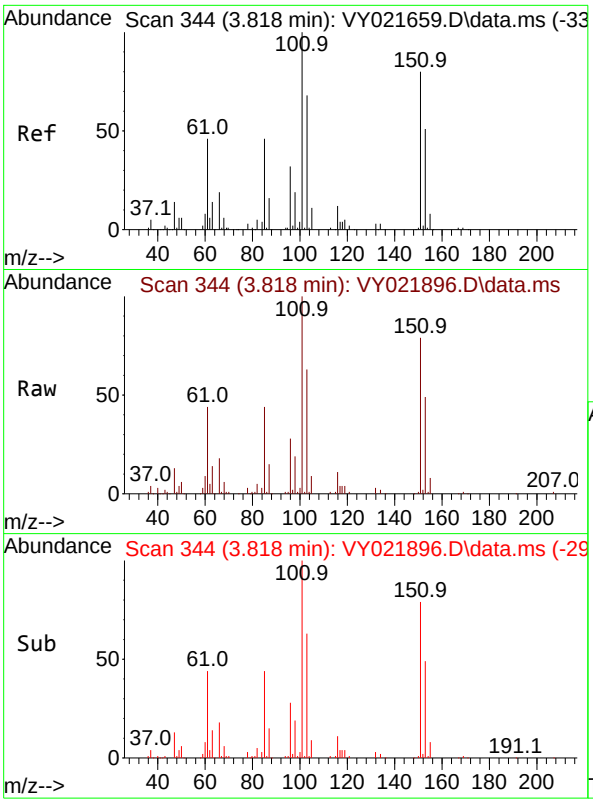


#8
Diethyl Ether
Concen: 55.596 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 74 Resp: 40100

Ion	Ratio	Lower	Upper
74	100		
45	96.5	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 67.667 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

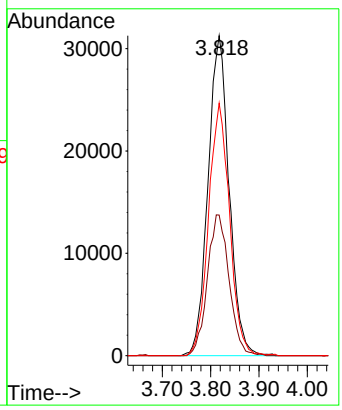
Tgt Ion:101 Resp: 9465

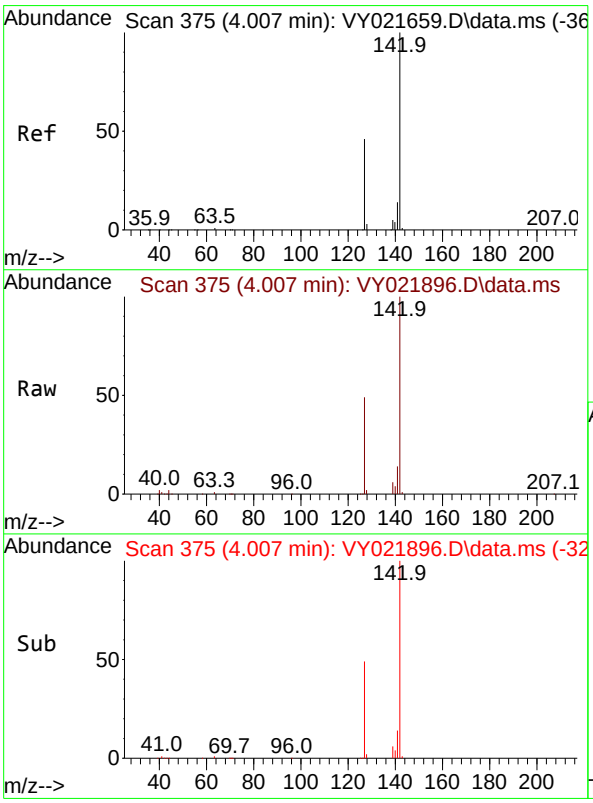
Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.3	54.5
151	78.8	61.3	91.9

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

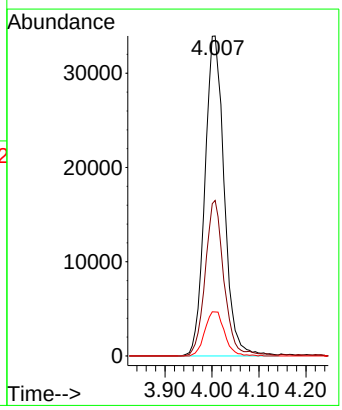


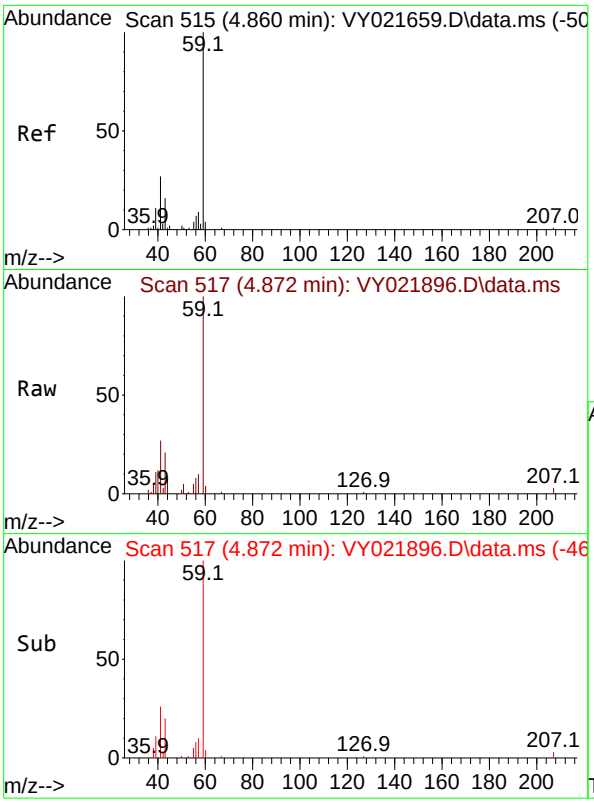


#10
Methyl Iodide
Concen: 63.104 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:142 Resp: 96841

Ion	Ratio	Lower	Upper
142	100		
127	47.3	38.7	58.1
141	14.1	11.5	17.3

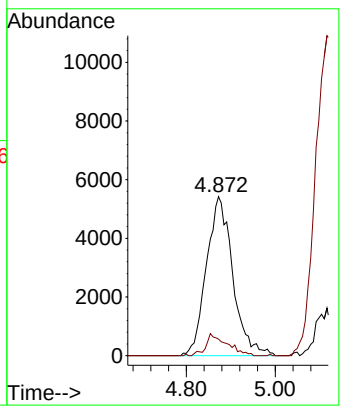




#11
Tert butyl alcohol
Concen: 252.505 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 59 Resp: 2232

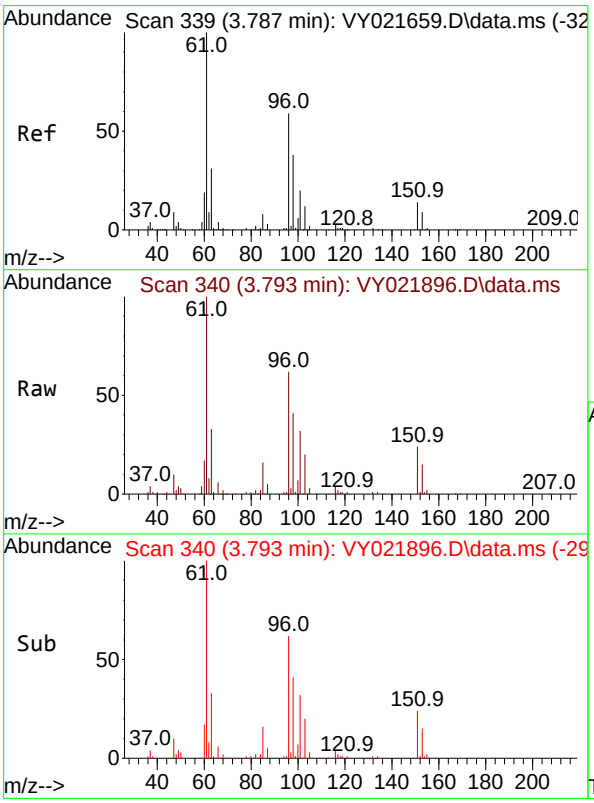
Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.2	13.8



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
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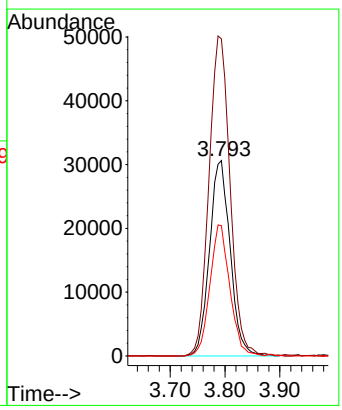
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

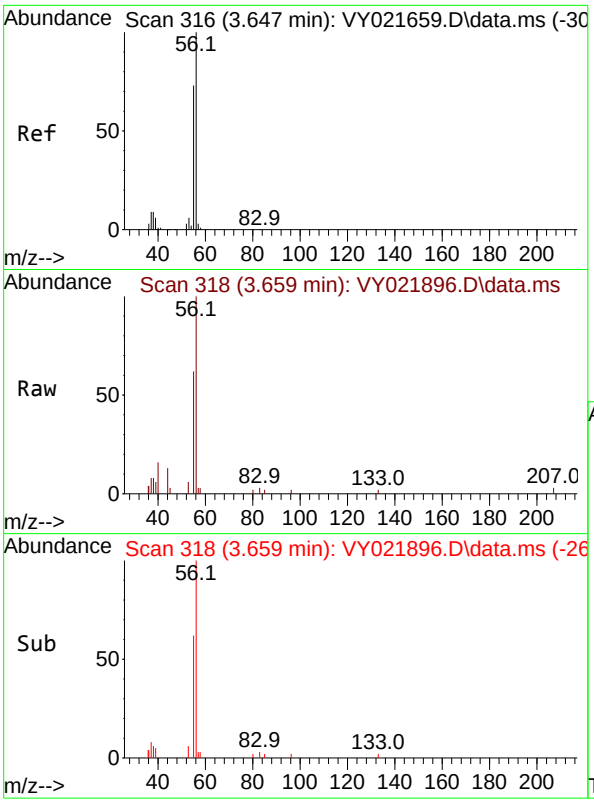


#12
1,1-Dichloroethene
Concen: 60.843 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 96 Resp: 80167

Ion	Ratio	Lower	Upper
96	100		
61	162.3	136.6	204.8
98	66.6	52.3	78.5

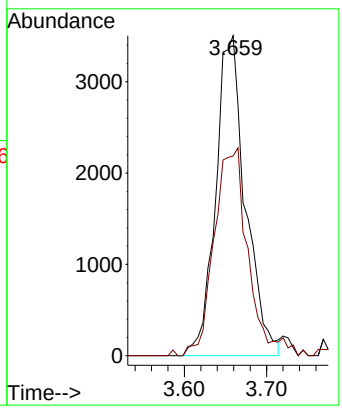




#13
Acrolein
Concen: 54.752 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 56 Resp: 883

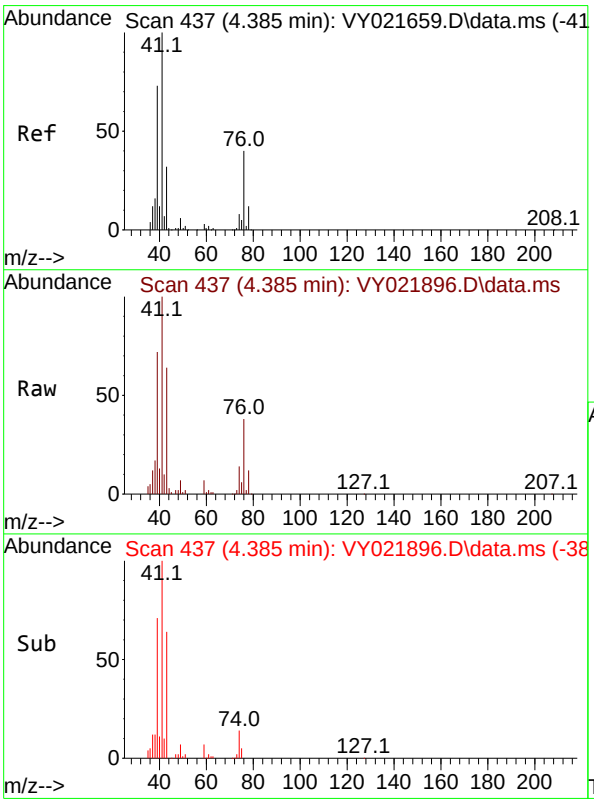
Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.6	85.0



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
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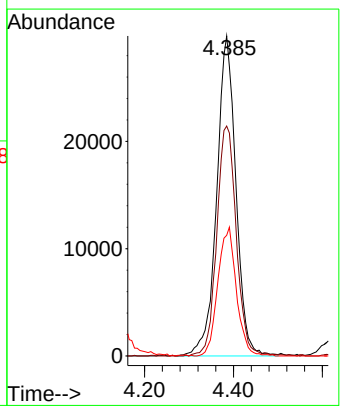
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

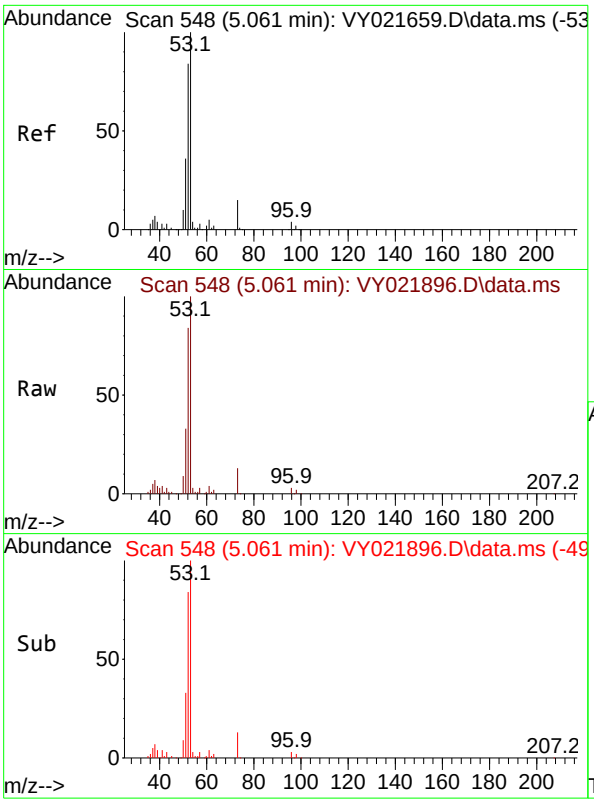


#14
Allyl chloride
Concen: 42.622 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 41 Resp: 89540

Ion	Ratio	Lower	Upper
41	100		
39	73.1	58.6	88.0
76	38.8	30.3	45.5





#15
Acrylonitrile
Concen: 288.882 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

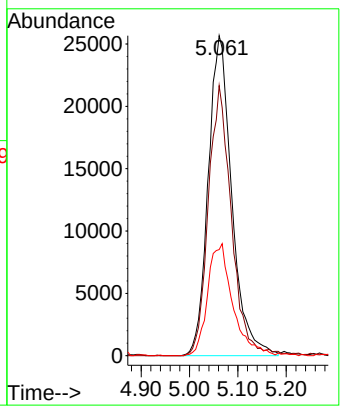
Tgt Ion: 53 Resp: 8699

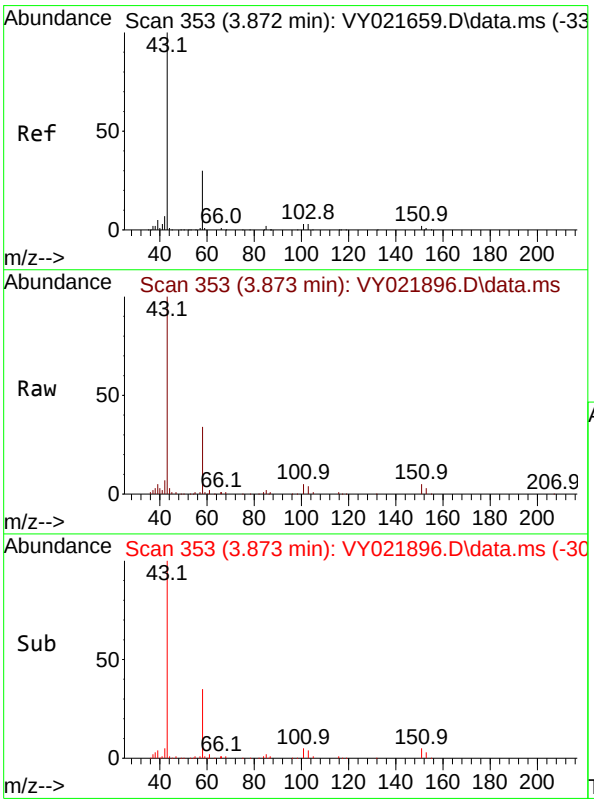
Ion	Ratio	Lower	Upper
53	100		
52	82.6	64.9	97.3
51	37.3	30.2	45.2

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

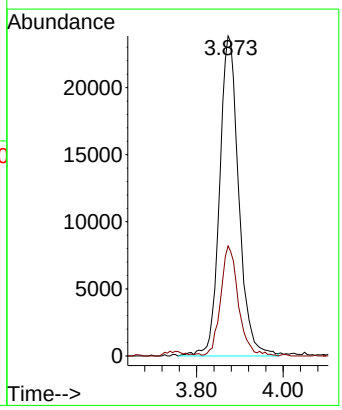


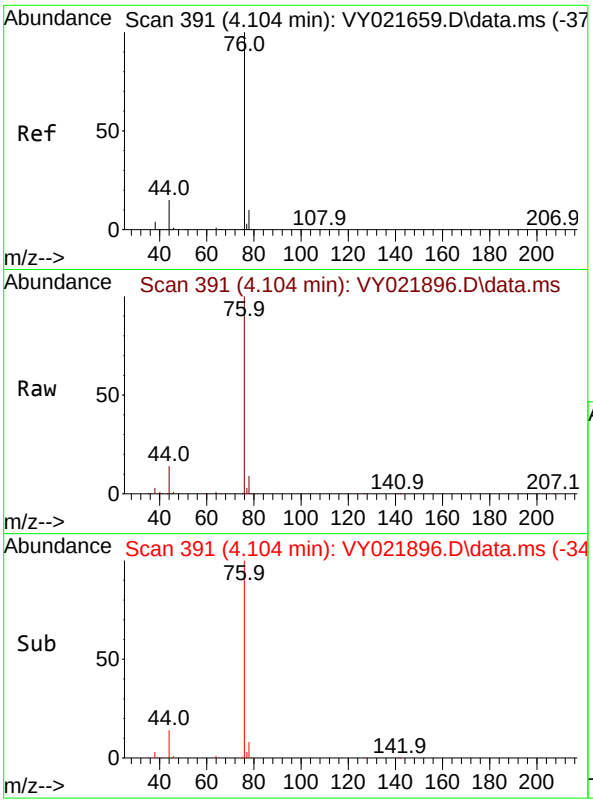


#16
Acetone
Concen: 263.326 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 43 Resp: 73349

Ion	Ratio	Lower	Upper
43	100		
58	34.4	24.2	36.4





#17
Carbon Disulfide
Concen: 55.432 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

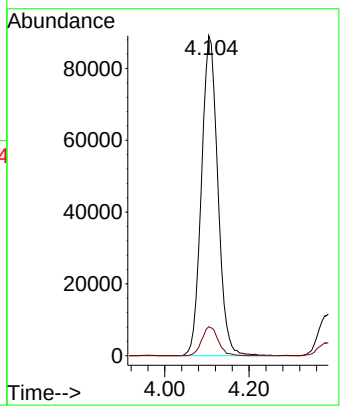
Tgt Ion: 76 Resp: 24056

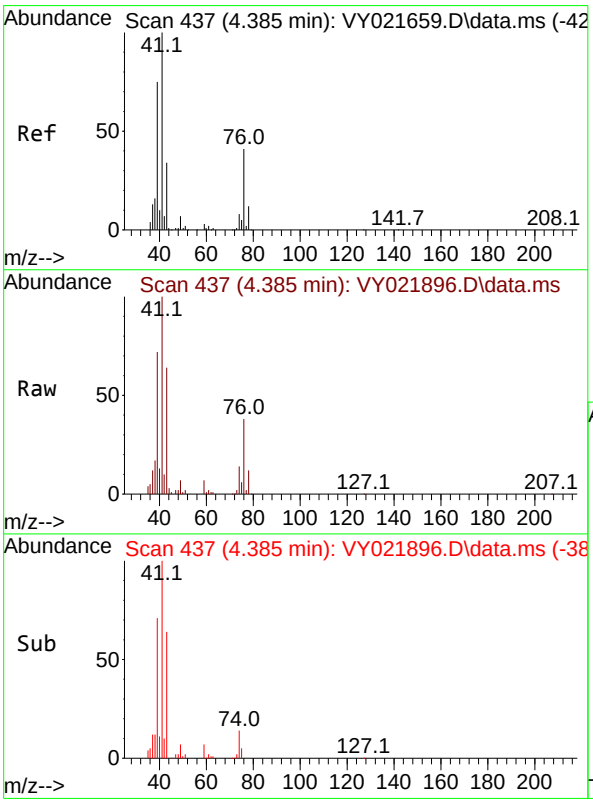
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

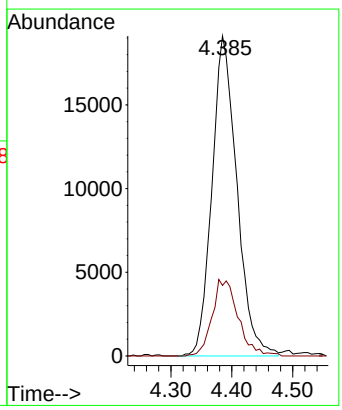


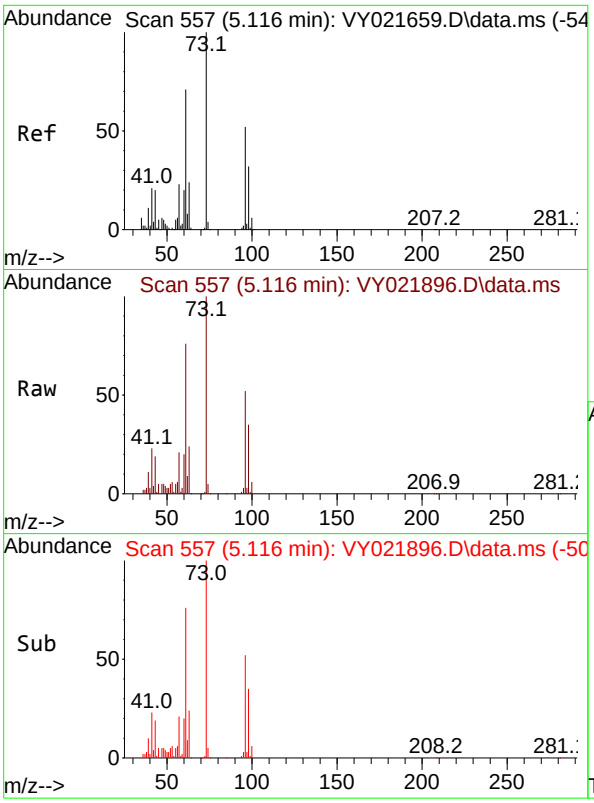


#18
Methyl Acetate
Concen: 78.741 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 43 Resp: 54359

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.1	28.7

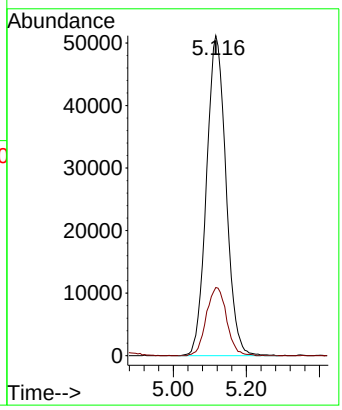




#19
Methyl tert-butyl Ether
Concen: 57.764 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 73 Resp: 18948

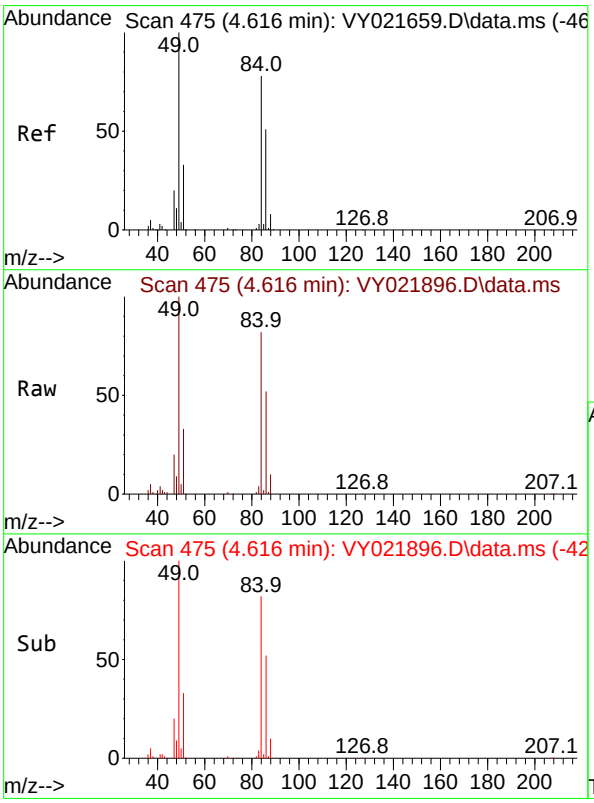
Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.1	27.1



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
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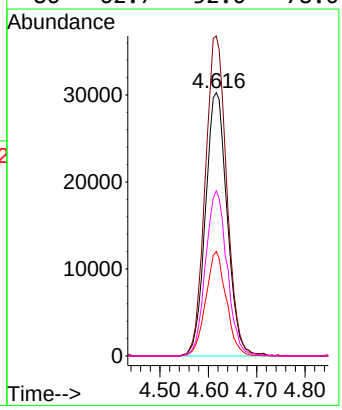
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

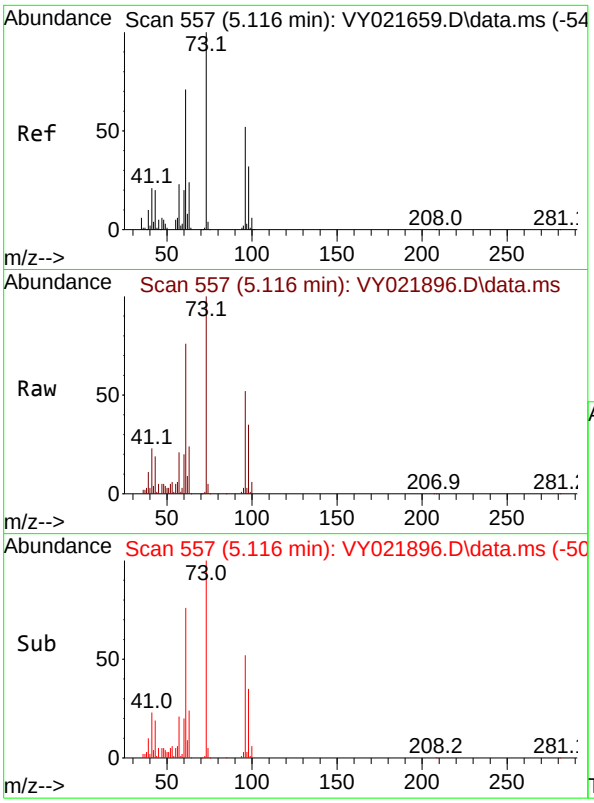


#20
Methylene Chloride
Concen: 70.688 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 84 Resp: 94168

Ion	Ratio	Lower	Upper
84	100		
49	121.6	102.8	154.2
51	39.7	33.5	50.3
86	62.7	52.0	78.0

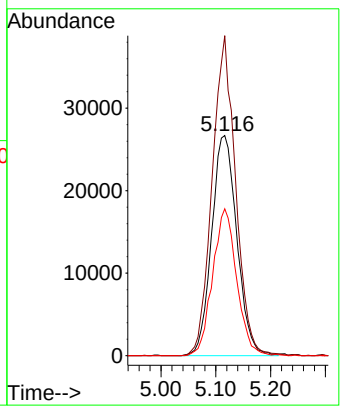




#21
trans-1,2-Dichloroethene
Concen: 58.876 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 96 Resp: 8541

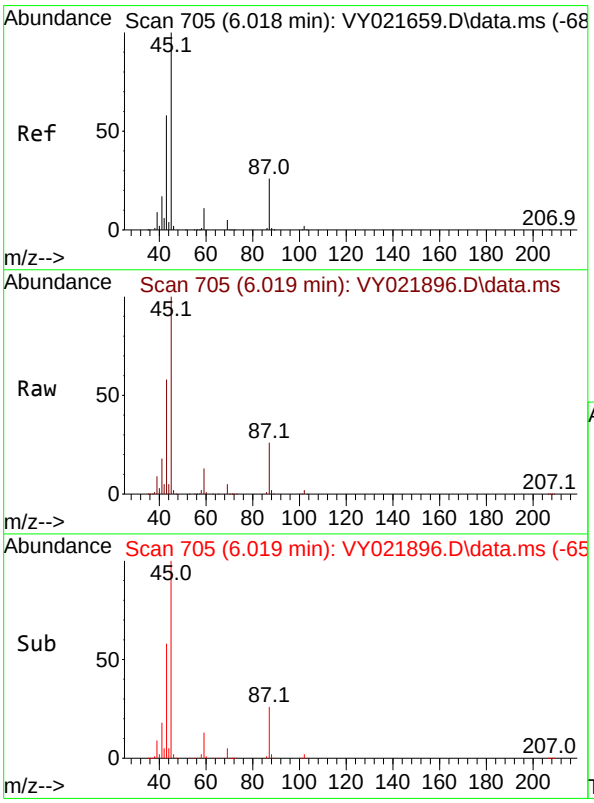
Ion	Ratio	Lower	Upper
96	100		
61	145.3	109.4	164.0
98	66.7	50.2	75.2



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

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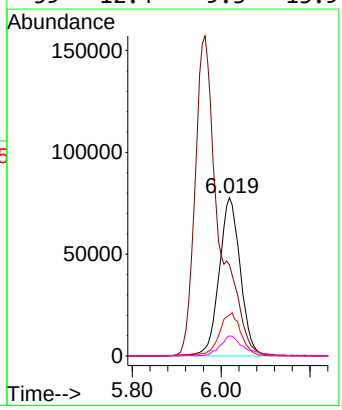
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

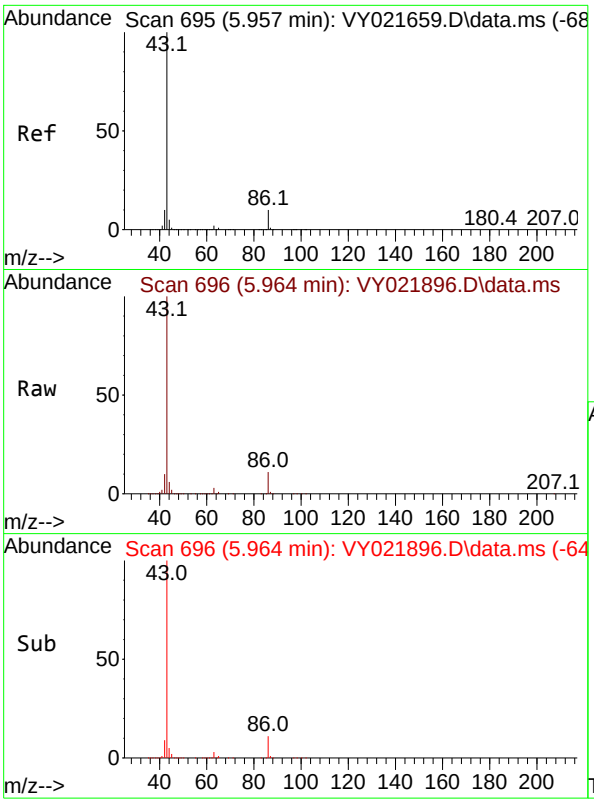


#22
Diisopropyl ether
Concen: 57.982 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 45 Resp: 255521

Ion	Ratio	Lower	Upper
45	100		
43	57.1	46.6	69.8
87	25.8	20.7	31.1
59	12.4	9.3	13.9





#23
Vinyl Acetate
Concen: 225.962 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

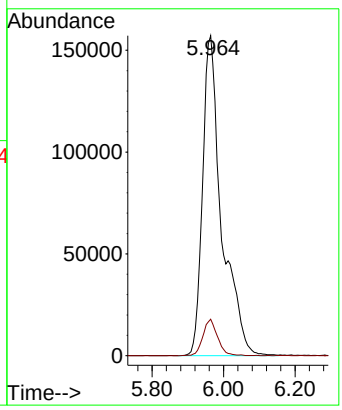
Tgt Ion: 43 Resp: 58254

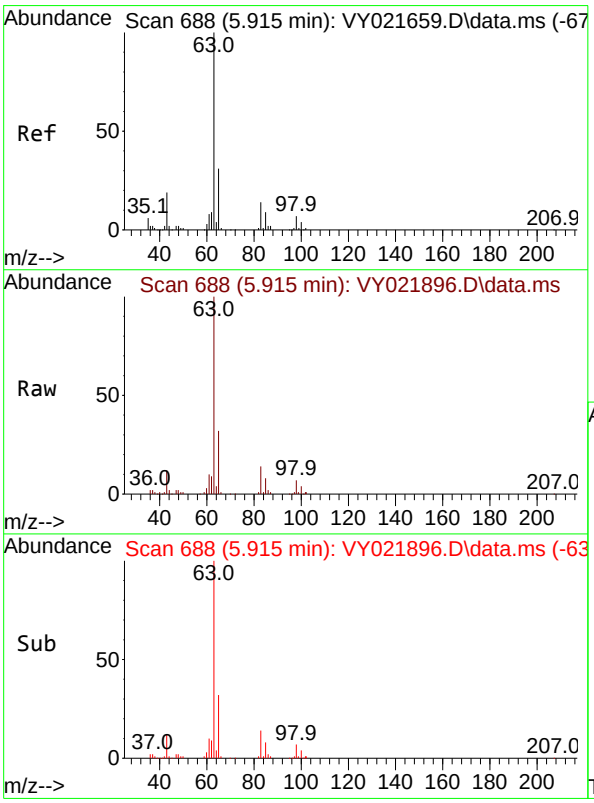
Ion	Ratio	Lower	Upper
43	100		
86	11.4	8.2	12.2

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

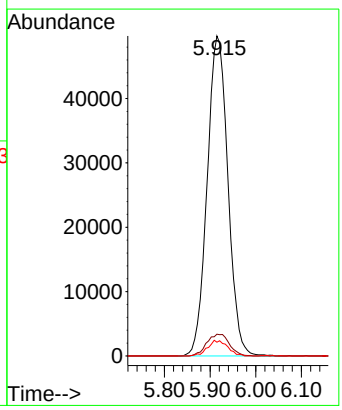


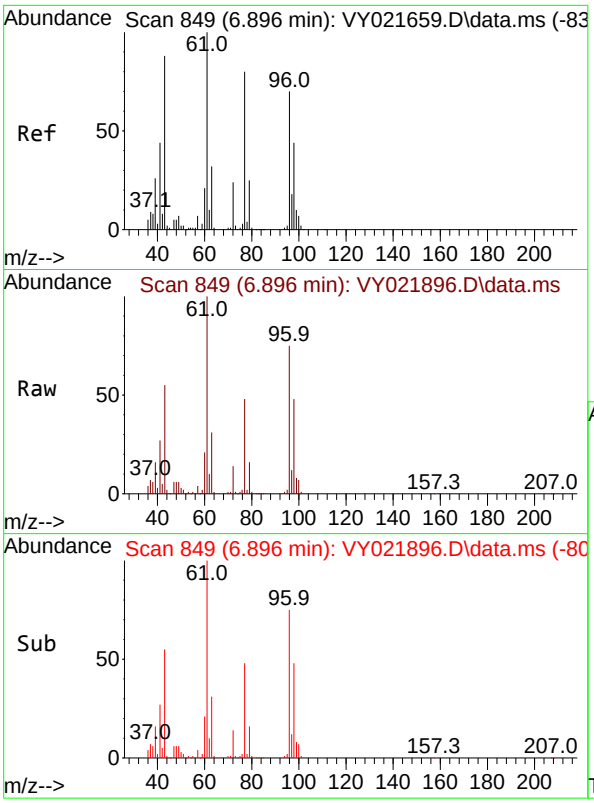


#24
1,1-Dichloroethane
Concen: 59.584 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 63 Resp: 157011

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.5
100	4.3	2.2	6.6





#25
2-Butanone
Concen: 274.398 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

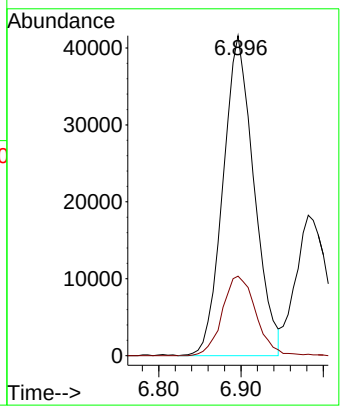
Tgt Ion: 43 Resp: 10917

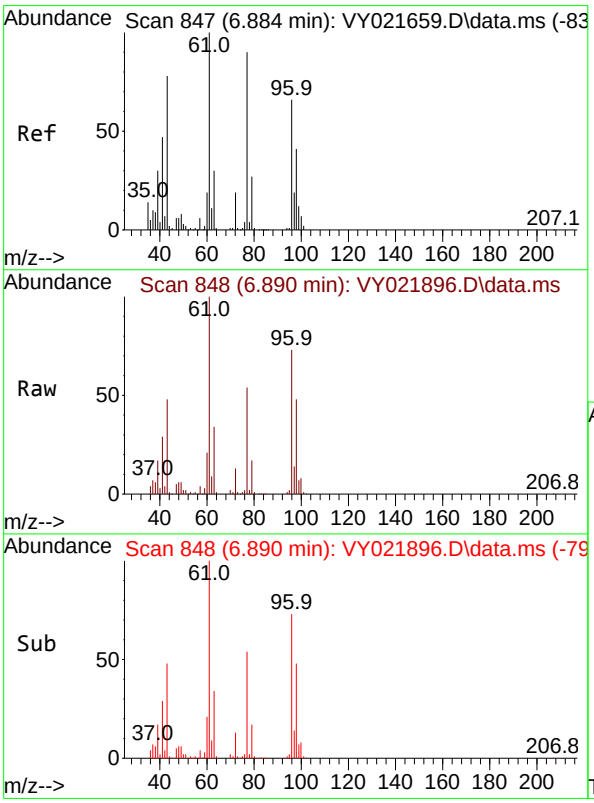
Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.4	32.2

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

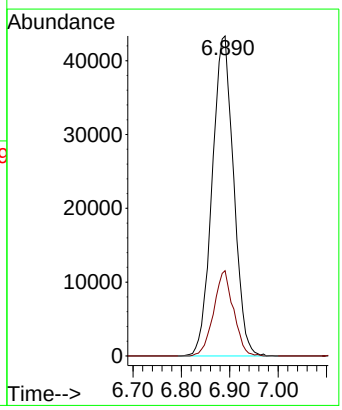


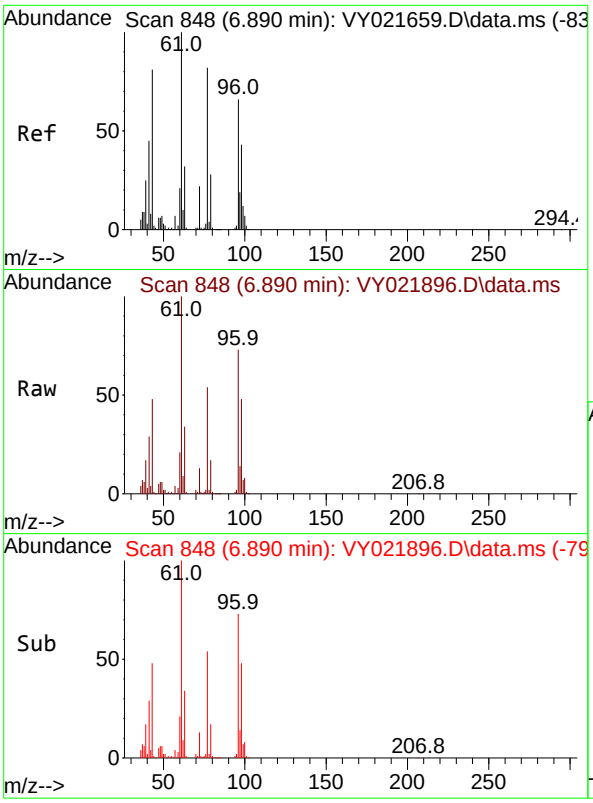


#26
2,2-Dichloropropane
Concen: 56.986 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 77 Resp: 133576

Ion	Ratio	Lower	Upper
77	100		
97	24.7	11.1	33.1





#27
cis-1,2-Dichloroethene
Concen: 99.159 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

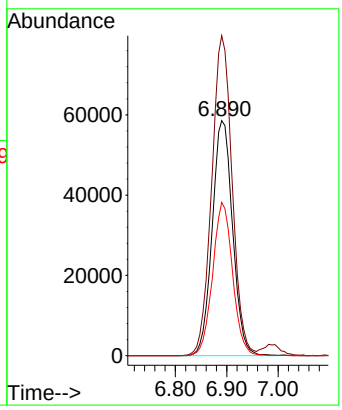
Tgt Ion: 96 Resp: 16177

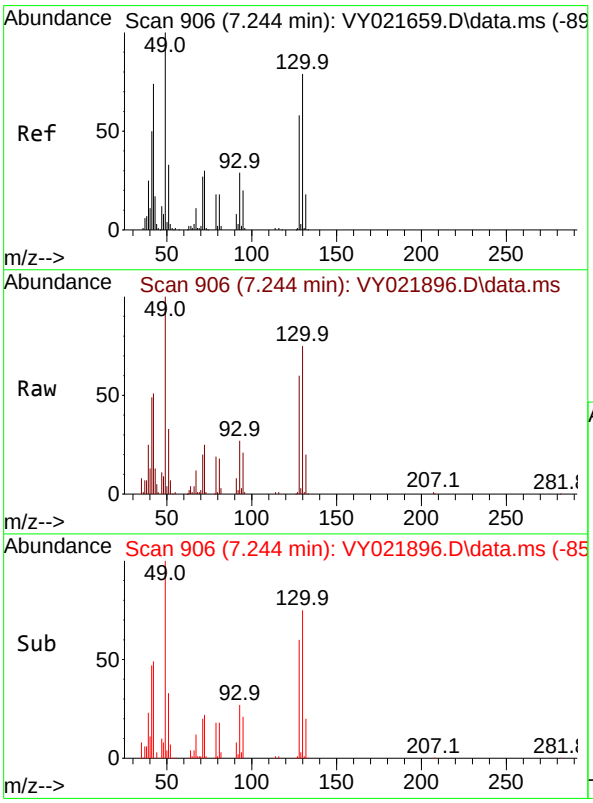
Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	296.4
98	63.8	0.0	128.0

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

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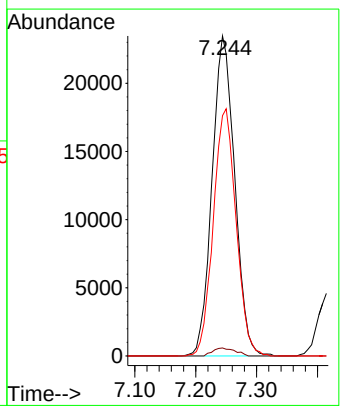


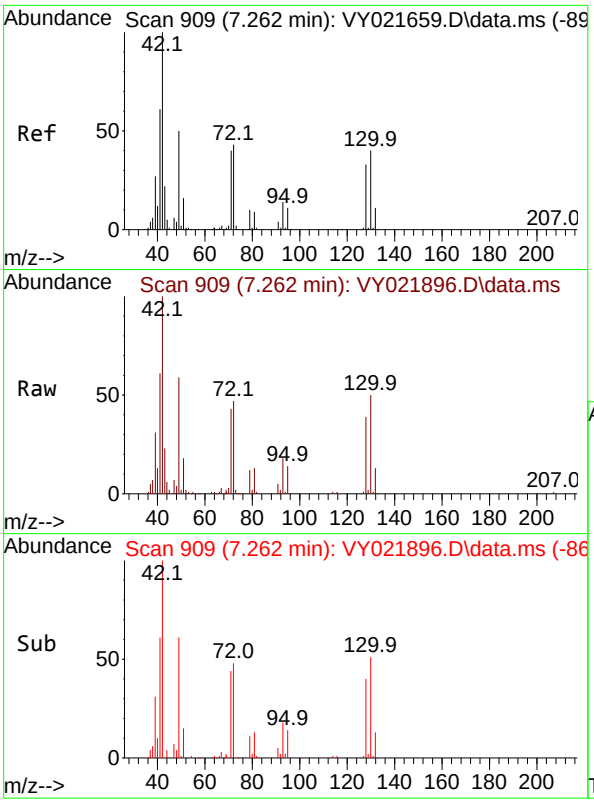


#28
Bromochloromethane
Concen: 54.440 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 49 Resp: 60501

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	77.9	60.1	90.1

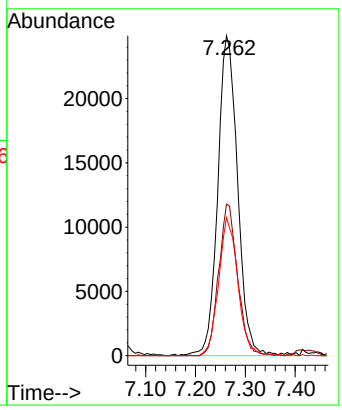




#29
Tetrahydrofuran
Concen: 268.291 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 42 Resp: 6869

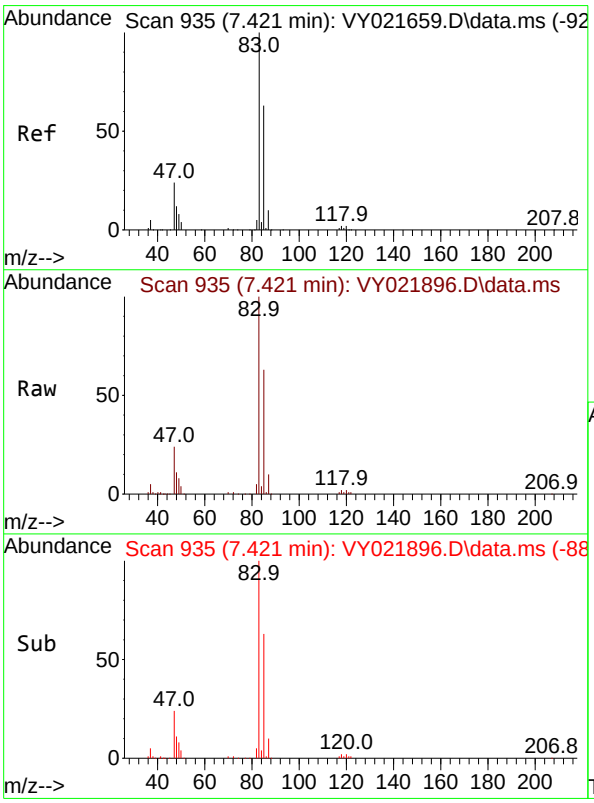
Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.6	52.0
71	41.8	32.5	48.7



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

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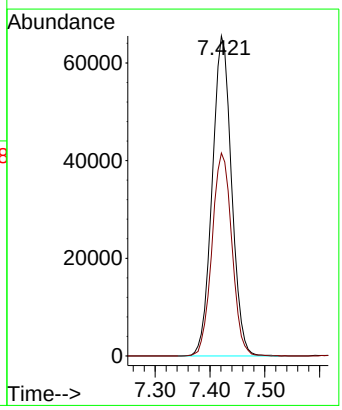
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

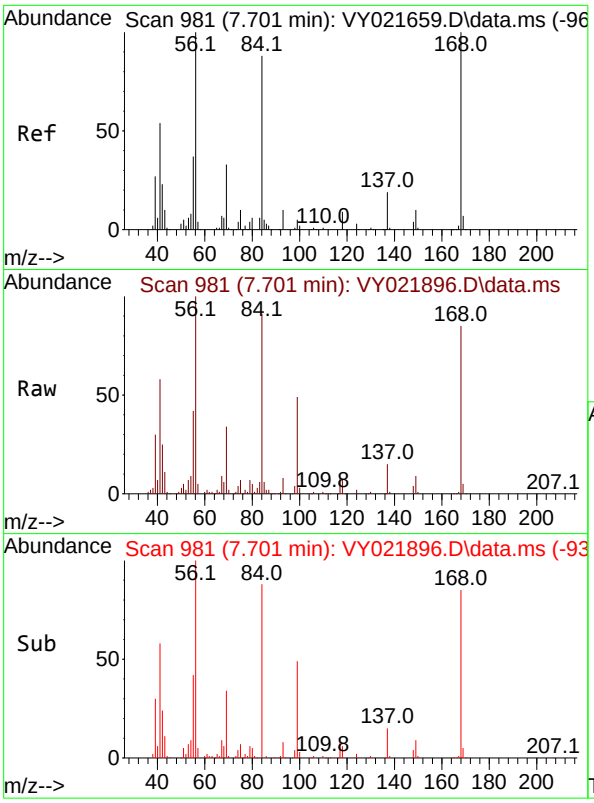


#30
Chloroform
Concen: 58.516 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 83 Resp: 160381

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	75.8





#31
Cyclohexane
Concen: 60.746 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

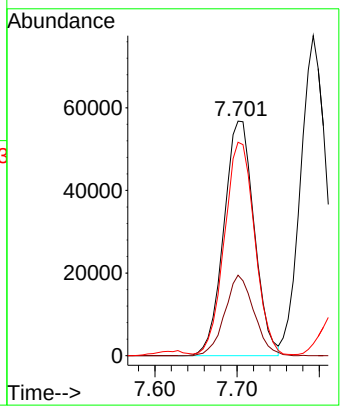
Tgt Ion: 56 Resp: 14591

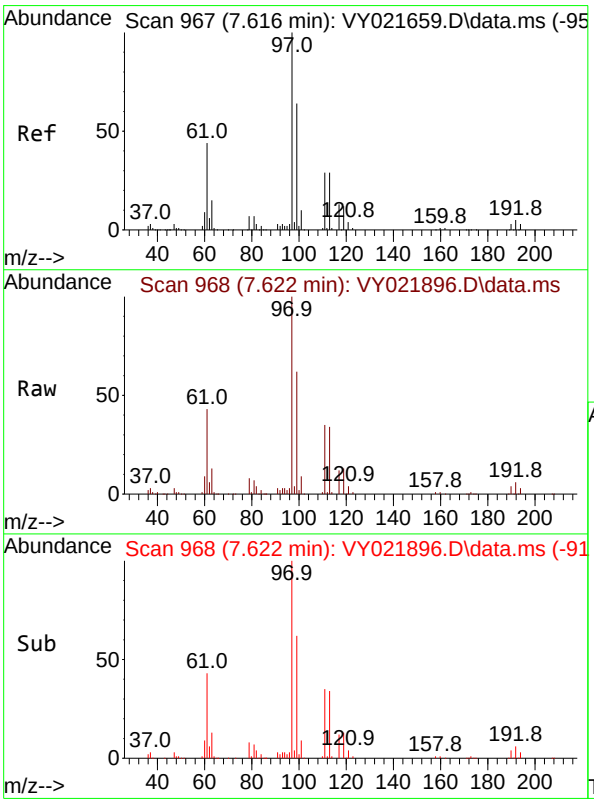
Ion	Ratio	Lower	Upper
56	100		
69	34.3	26.6	40.0
84	88.8	69.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
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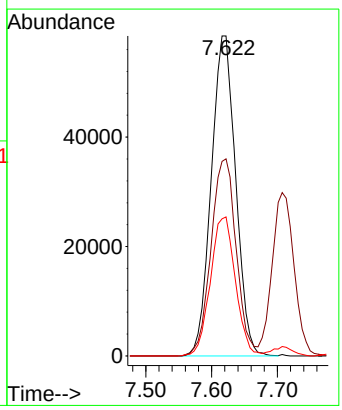


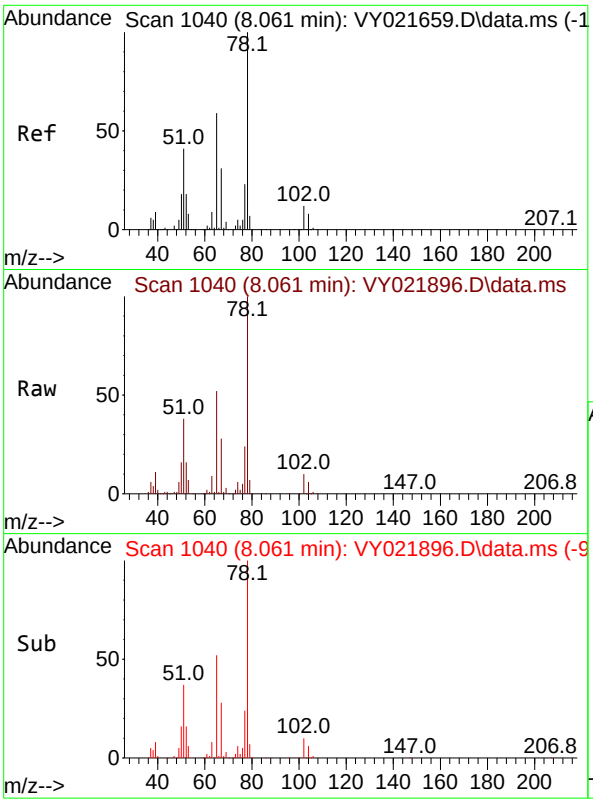


#32
1,1,1-Trichloroethane
Concen: 61.166 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 97 Resp: 151519

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.7	76.1
61	44.5	35.2	52.8

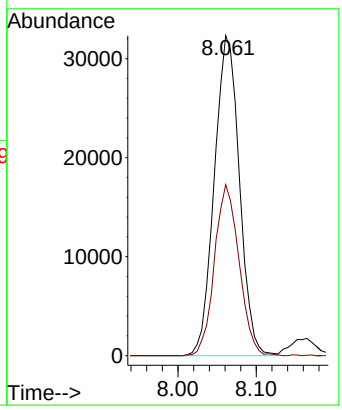




#33
1,2-Dichloroethane-d4
Concen: 52.909 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 65 Resp: 7201

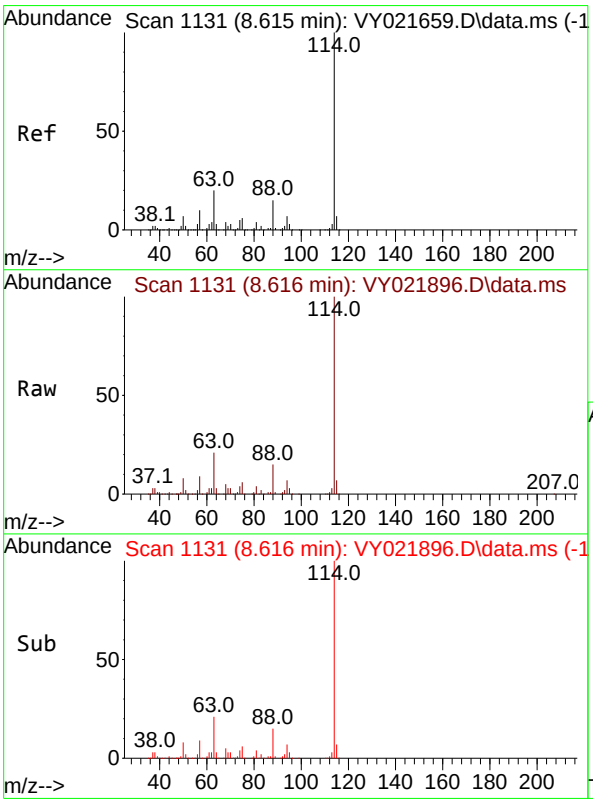
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

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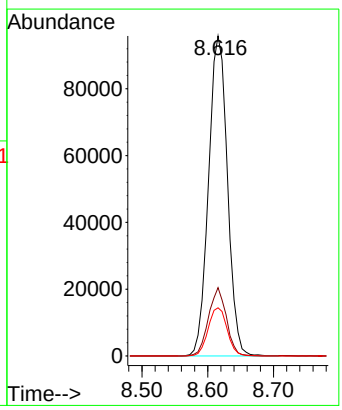
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

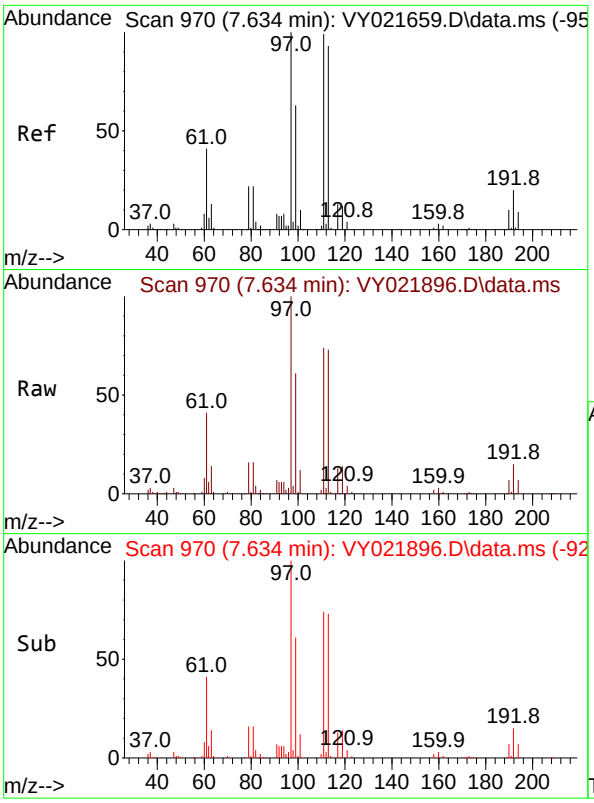


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:114 Resp: 191919

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.2
88	15.0	0.0	29.8

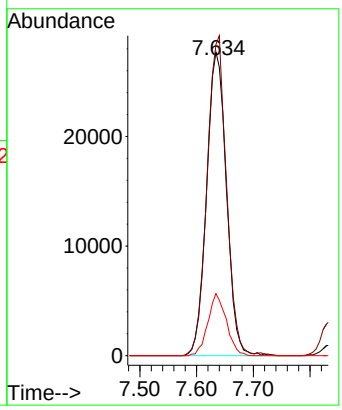




#35
Dibromofluoromethane
Concen: 54.075 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:113 Resp: 6732

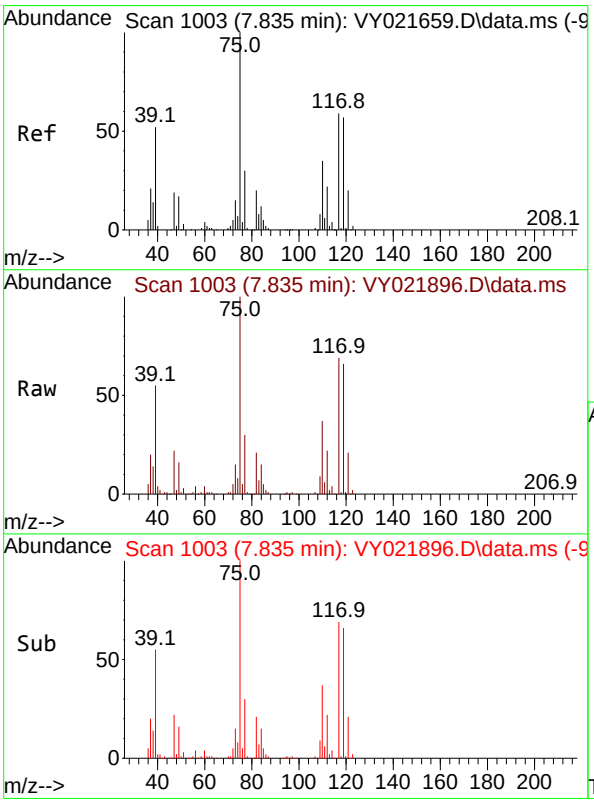
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	19.0	16.2	24.4



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

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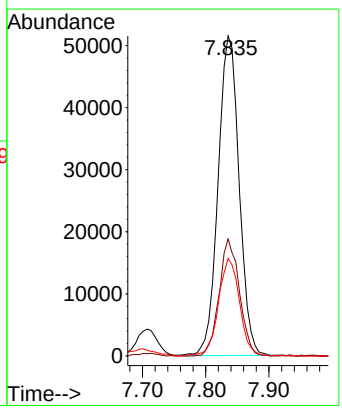
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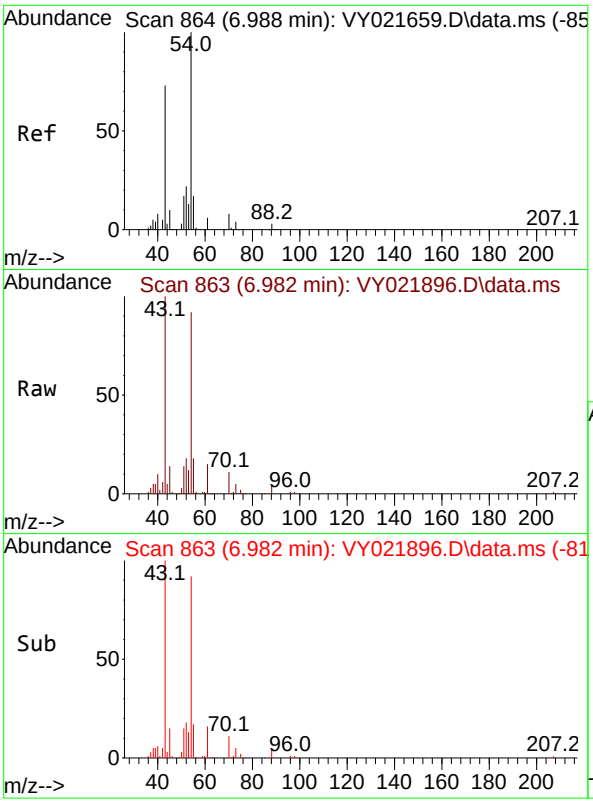


#36
1,1-Dichloropropene
Concen: 62.569 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 75 Resp: 118647

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.0	50.9
77	30.6	24.8	37.2





#37
Ethyl Acetate
Concen: 55.489 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

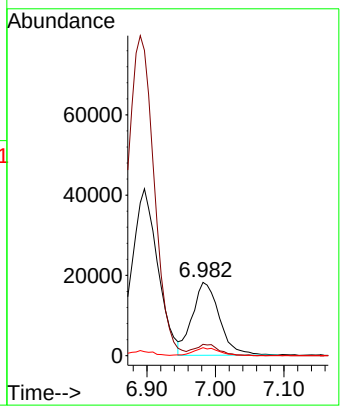
Tgt Ion: 43 Resp: 4965

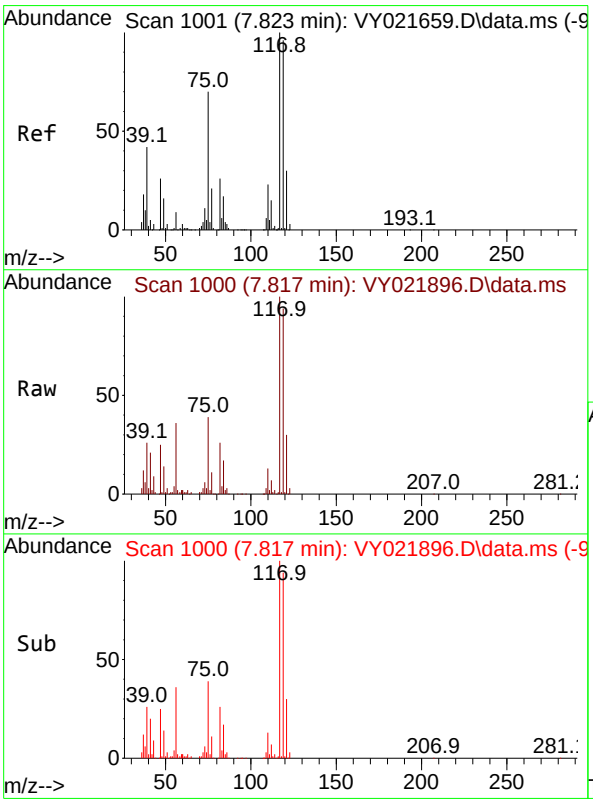
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.6
70	10.6	8.1	12.1

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

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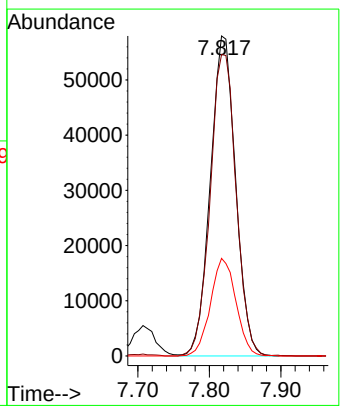


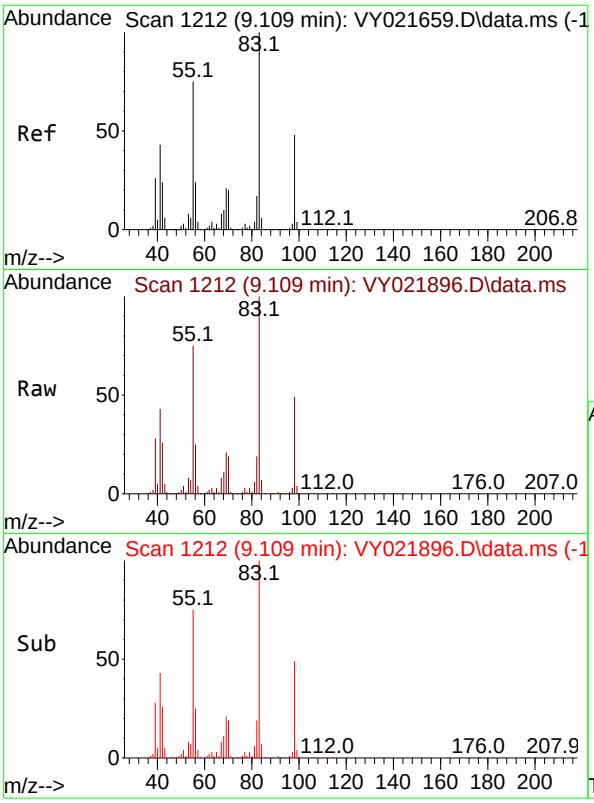


#38
Carbon Tetrachloride
Concen: 65.453 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:117 Resp: 142154

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.2	114.4
121	30.5	24.2	36.4





#39
Methylcyclohexane
Concen: 70.444 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

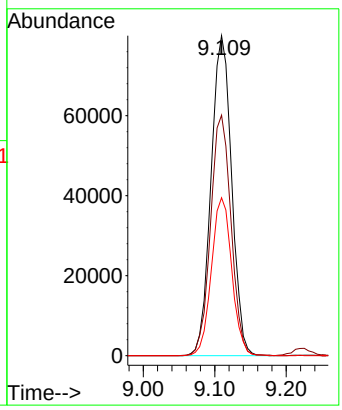
Tgt Ion: 83 Resp: 15957

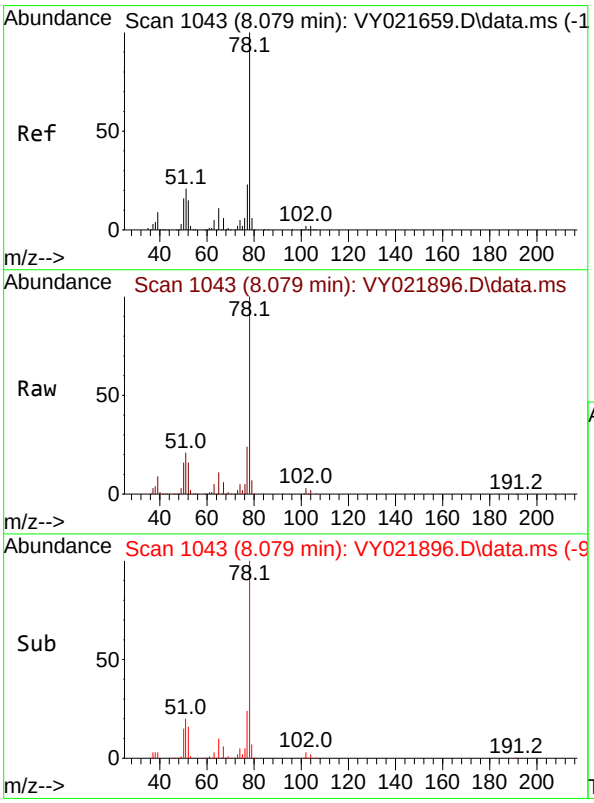
Ion	Ratio	Lower	Upper
83	100		
55	75.2	59.7	89.5
98	49.4	38.3	57.5

Instrument :
MSVOA_Y
ClientSampleId :
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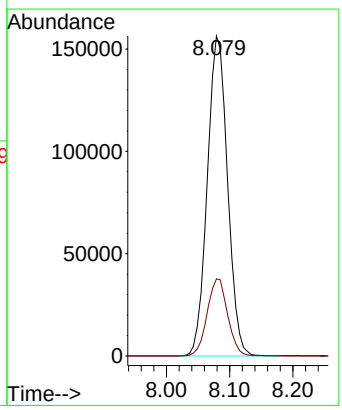


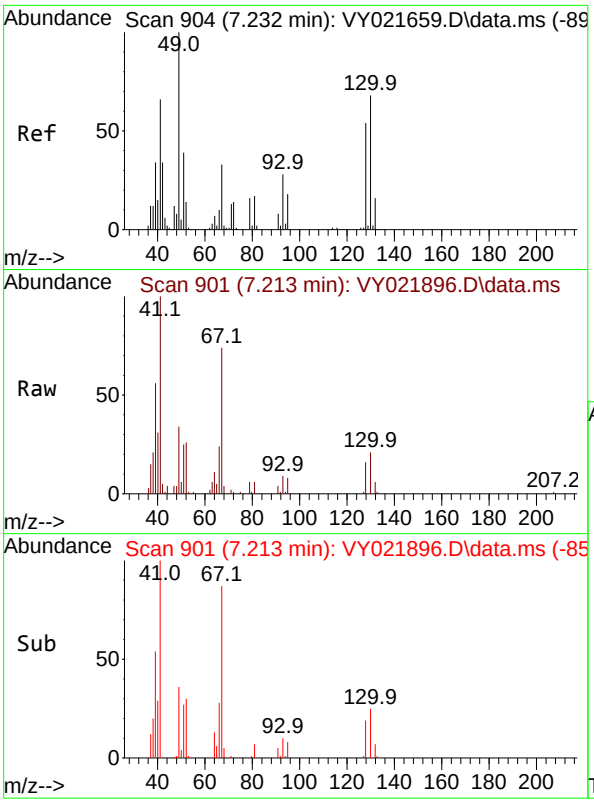


#40
Benzene
Concen: 61.356 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 78 Resp: 348429

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2

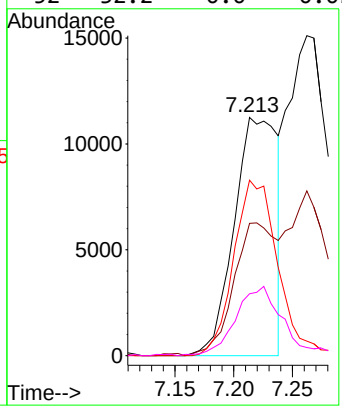




#41
Methacrylonitrile
Concen: 60.625 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.018 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 41 Resp: 2881

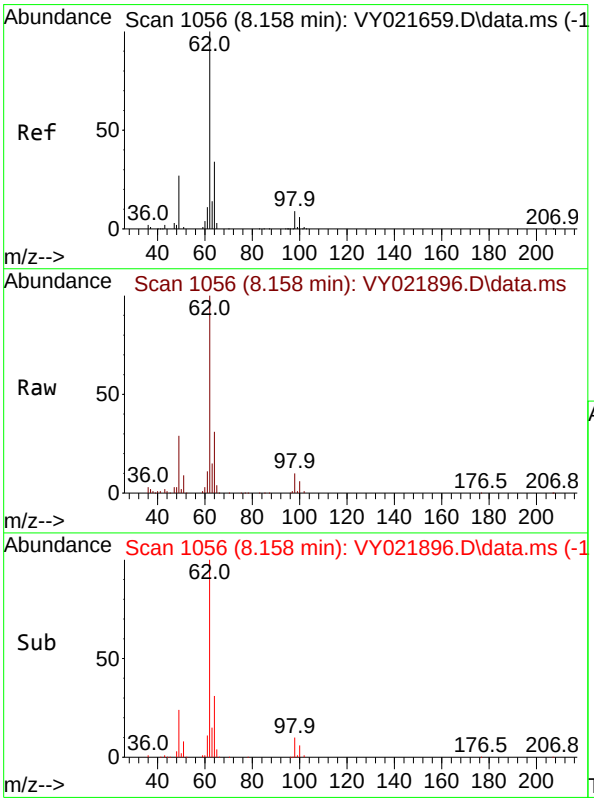
Ion	Ratio	Lower	Upper
41	100		
39	54.9	0.0	0.0#
67	74.9	0.0	0.0#
52	32.2	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
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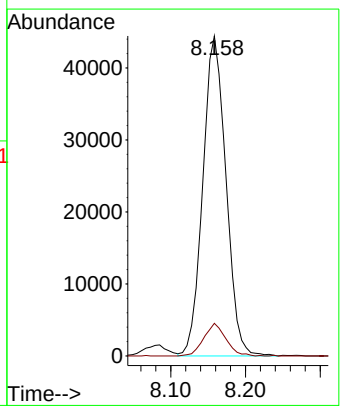
Reviewed By :Mahesh Dadoda 04/16/2025
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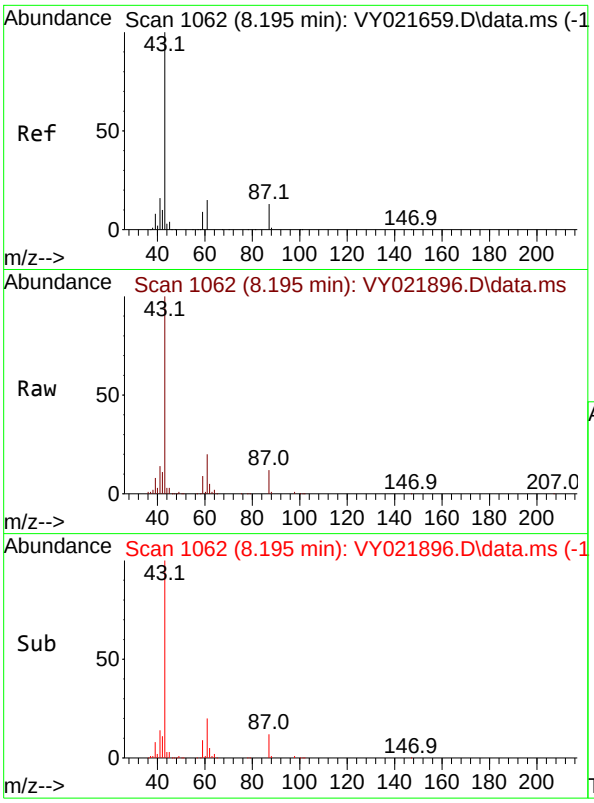


#42
1,2-Dichloroethane
Concen: 59.718 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 62 Resp: 95605

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4





#43
Isopropyl Acetate
Concen: 57.452 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

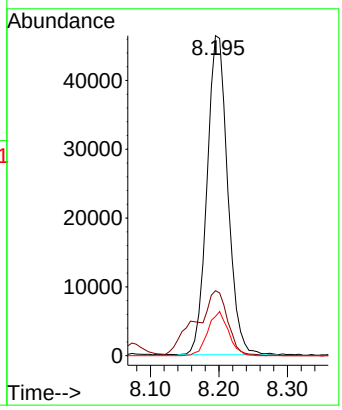
Tgt Ion: 43 Resp: 9743

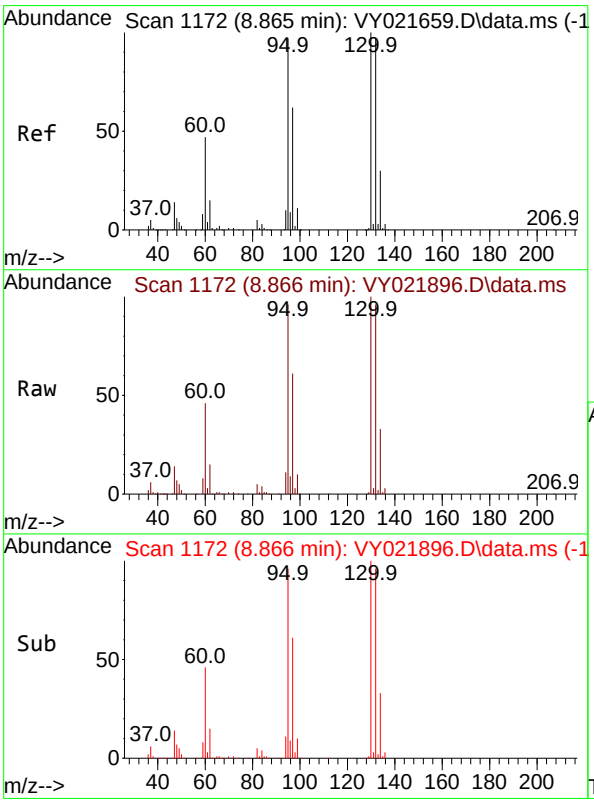
Ion	Ratio	Lower	Upper
43	100		
61	31.4	15.9	23.9
87	13.8	10.4	15.6

Instrument :
MSVOA_Y
ClientSampleId :
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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

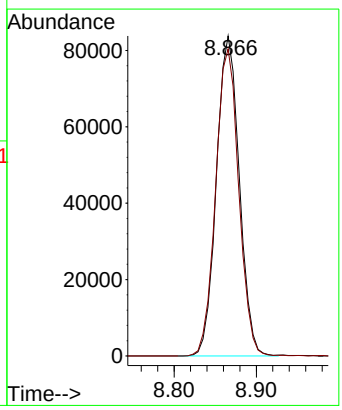


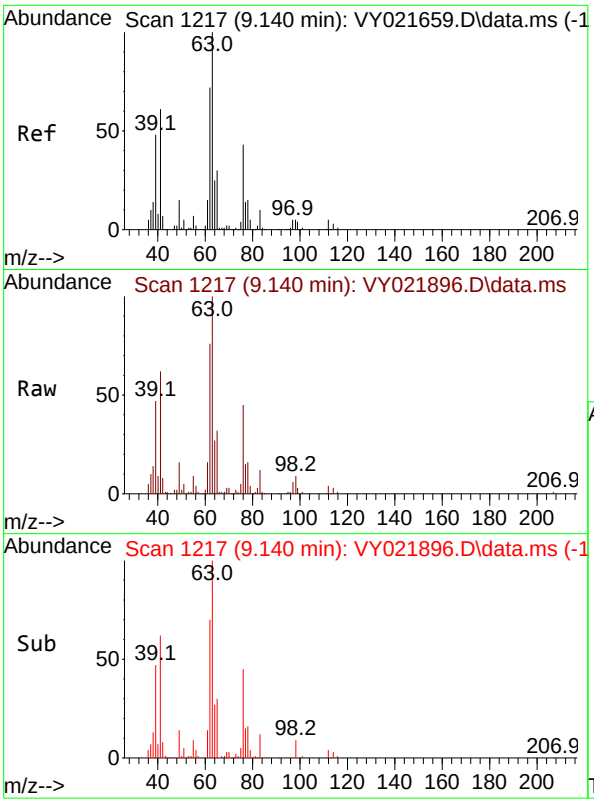


#44
Trichloroethene
Concen: 112.040 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:130 Resp: 162112

Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	194.8

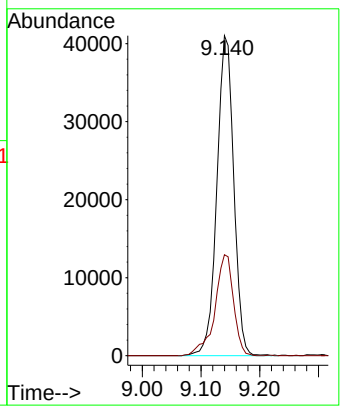




#45
1,2-Dichloropropane
Concen: 60.899 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 63 Resp: 8186

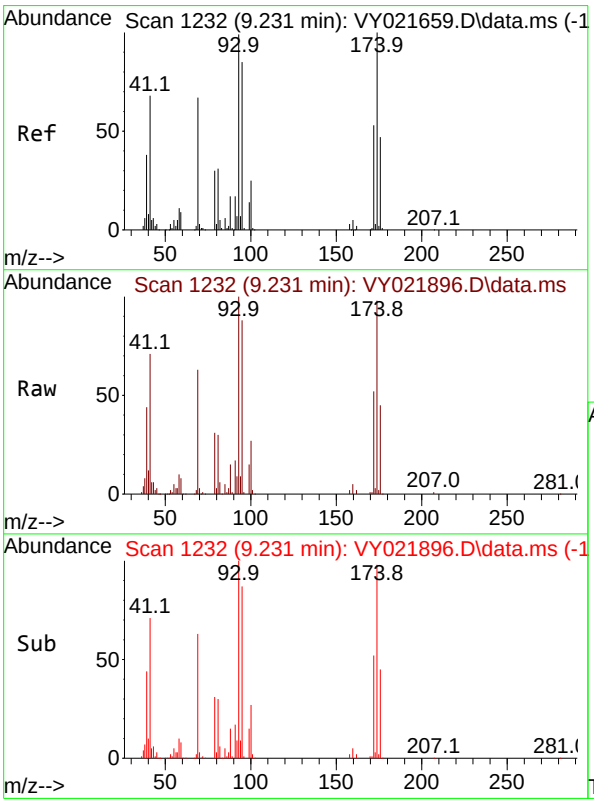
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

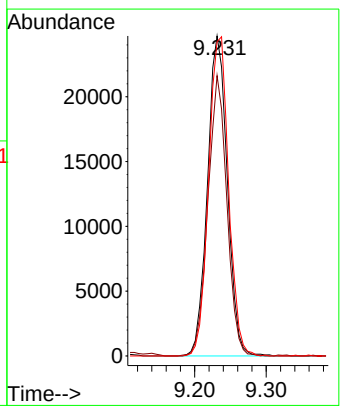
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

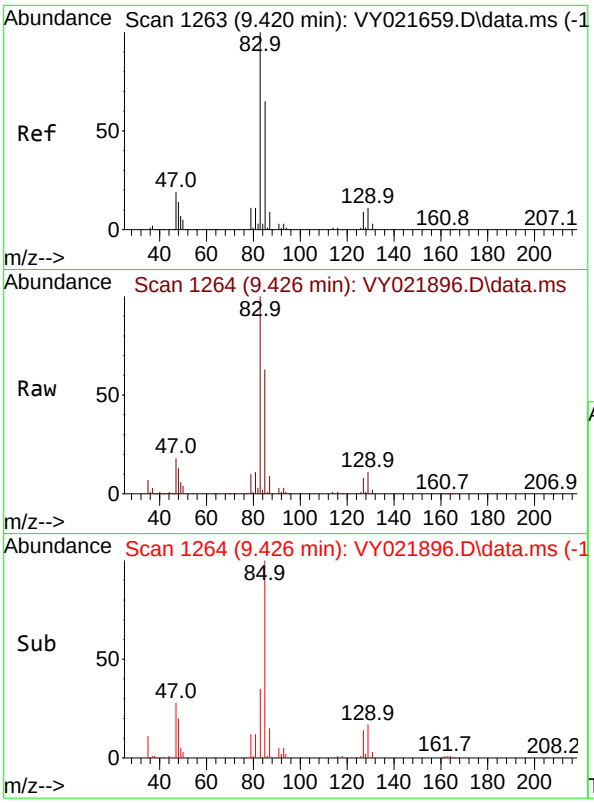


#46
Dibromomethane
Concen: 61.469 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 93 Resp: 47620

Ion	Ratio	Lower	Upper
93	100		
95	83.7	68.1	102.1
174	100.6	80.9	121.3

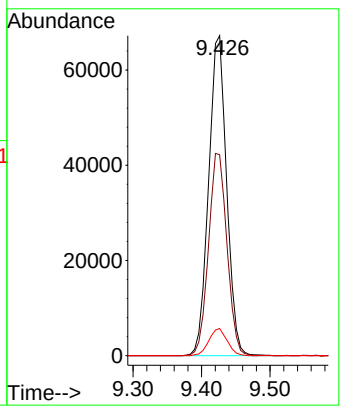




#47
Bromodichloromethane
Concen: 61.038 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 83 Resp: 12252

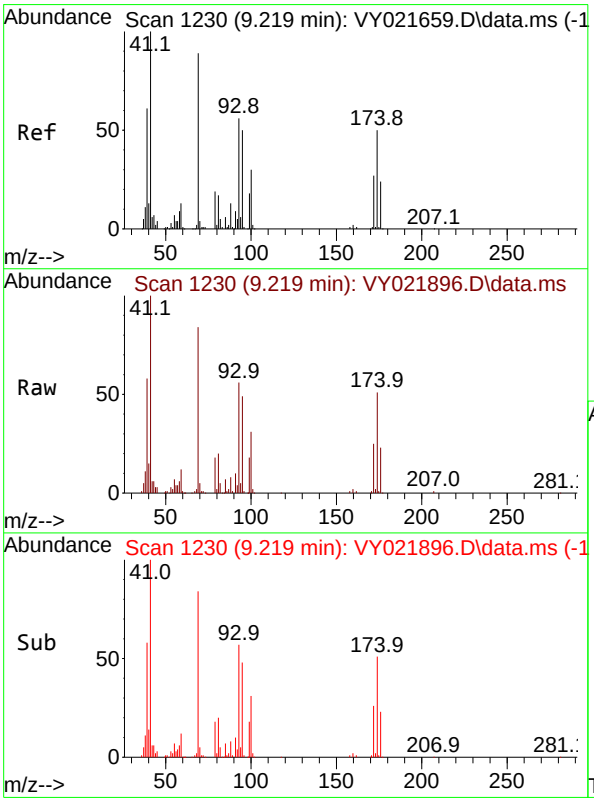
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6
127	8.5	6.8	10.2



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

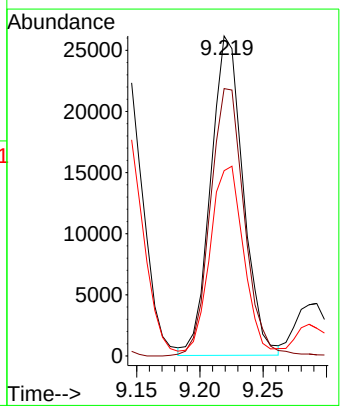
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

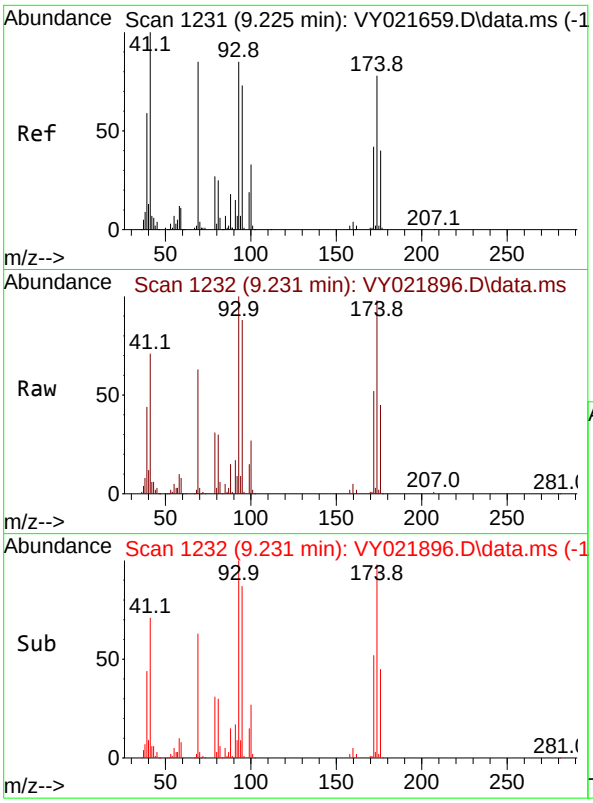


#48
Methyl methacrylate
Concen: 59.896 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 41 Resp: 46621

Ion	Ratio	Lower	Upper
41	100		
69	88.0	69.8	104.8
39	58.9	47.2	70.8





#49
1,4-Dioxane
Concen: 1163.394 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

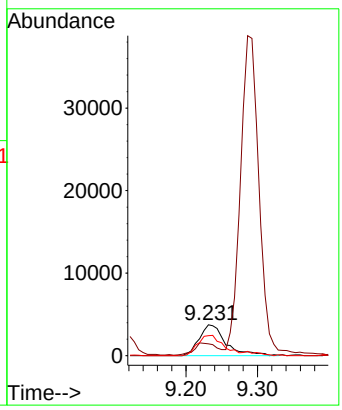
Tgt Ion: 88 Resp: 965

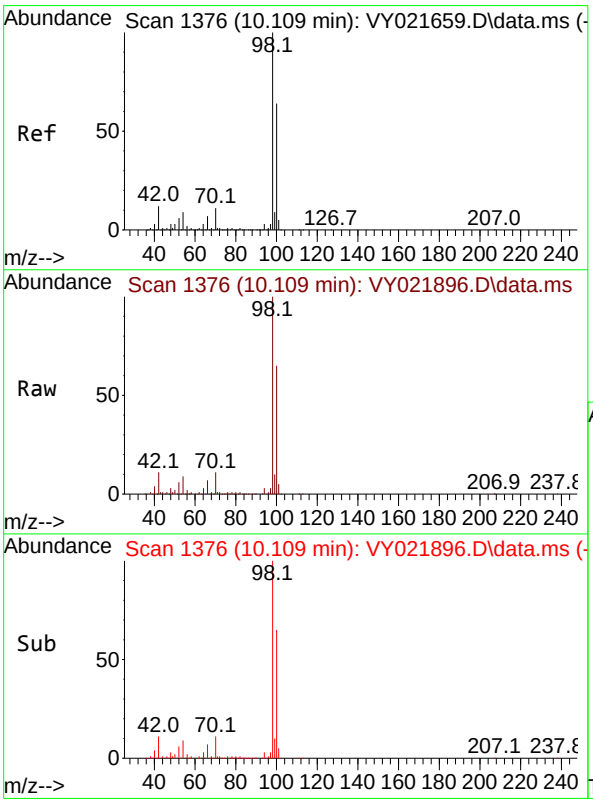
Ion	Ratio	Lower	Upper
88	100		
43	32.9	28.8	43.2
58	64.5	59.4	89.2

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

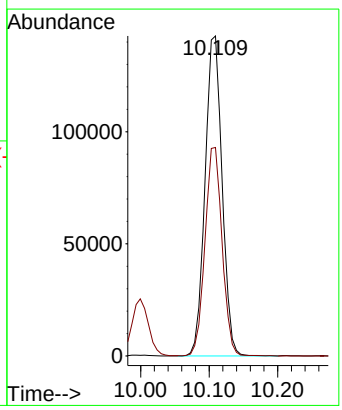


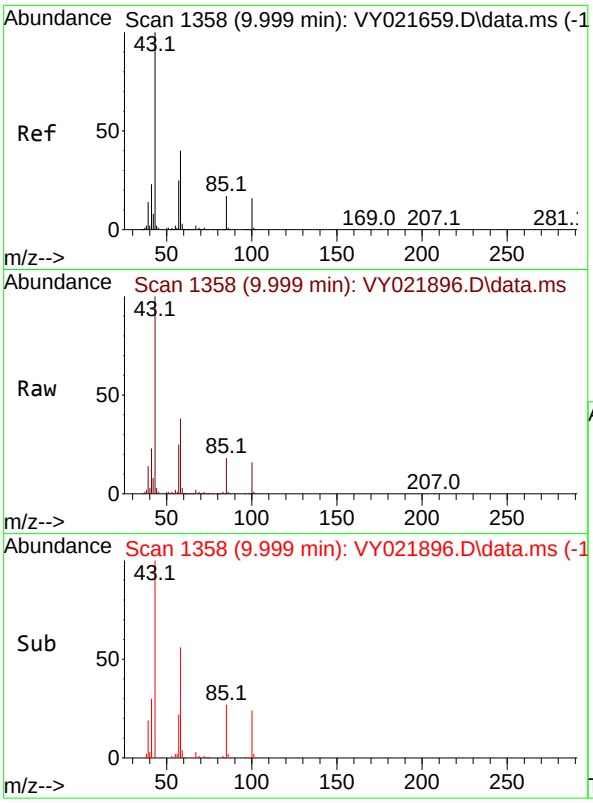


#50
Toluene-d8
Concen: 52.170 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 98 Resp: 247087

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1

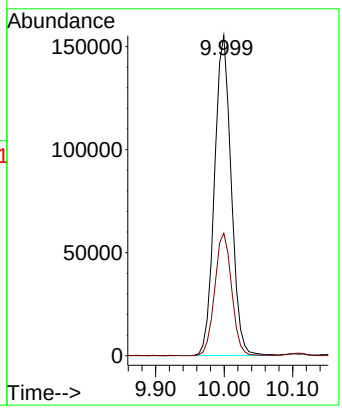




#51
4-Methyl-2-Pentanone
Concen: 297.383 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 43 Resp: 26245

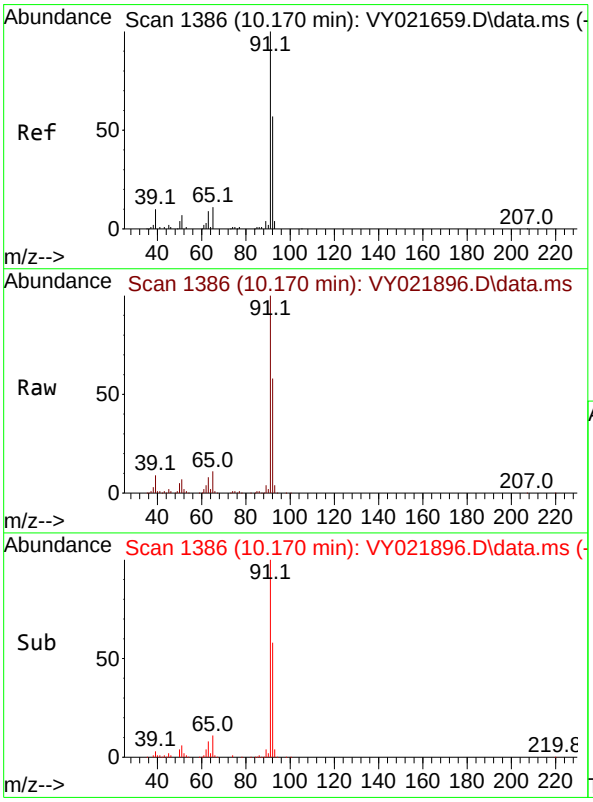
Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

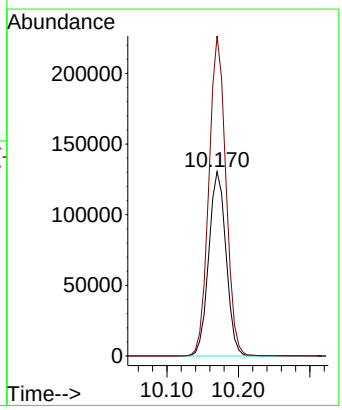
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

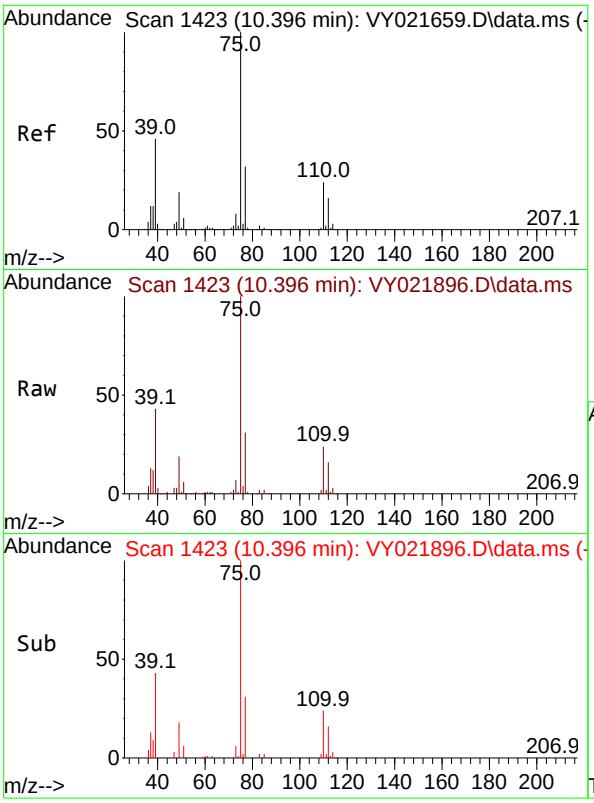


#52
Toluene
Concen: 61.779 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 92 Resp: 218888

Ion	Ratio	Lower	Upper
92	100		
91	170.8	138.6	207.8

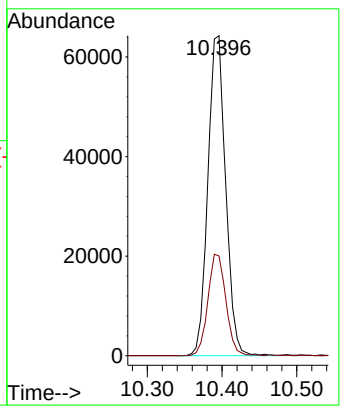




#53
t-1,3-Dichloropropene
Concen: 59.546 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 75 Resp: 10617

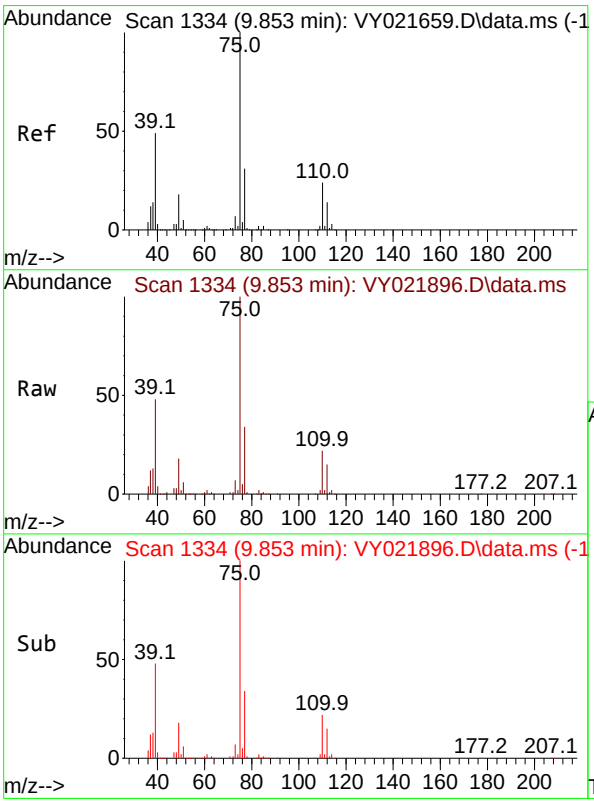
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.3	37.9



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

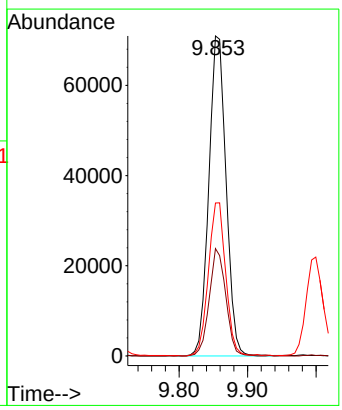
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

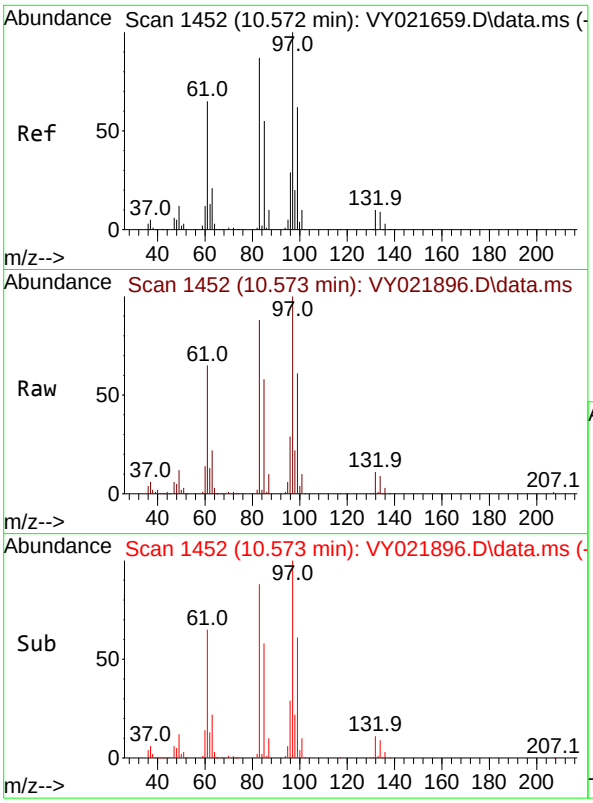


#54
cis-1,3-Dichloropropene
Concen: 58.989 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 75 Resp: 124081

Ion	Ratio	Lower	Upper
75	100		
77	33.6	24.9	37.3
39	47.7	39.2	58.8

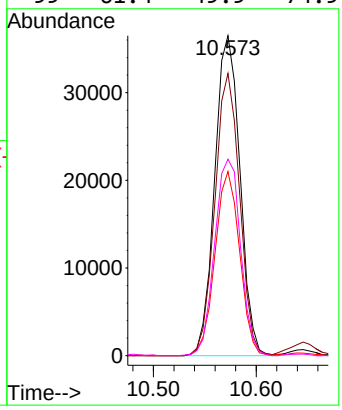




#55
1,1,2-Trichloroethane
Concen: 62.451 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 97 Resp: 6226

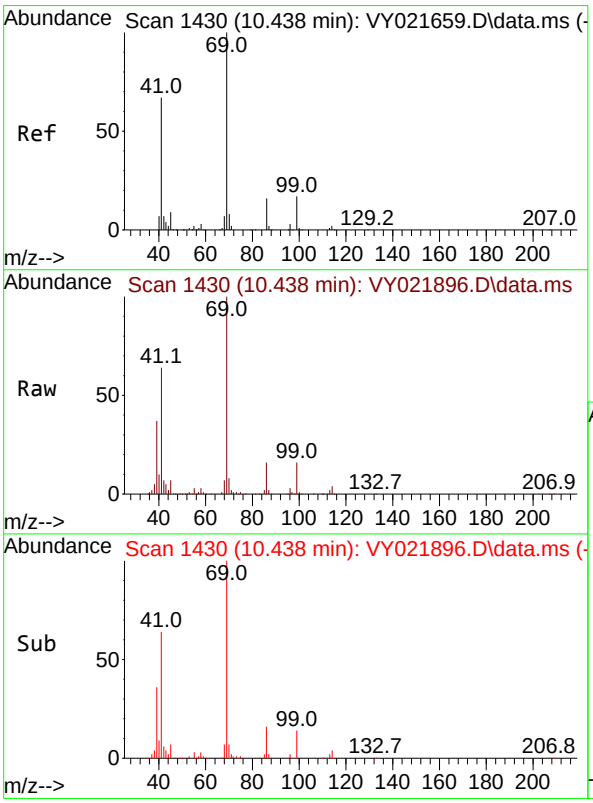
Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.5	104.3
85	57.5	43.9	65.9
99	61.4	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

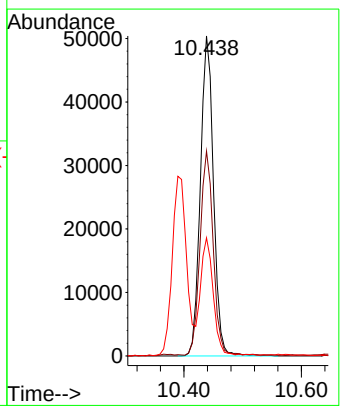
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

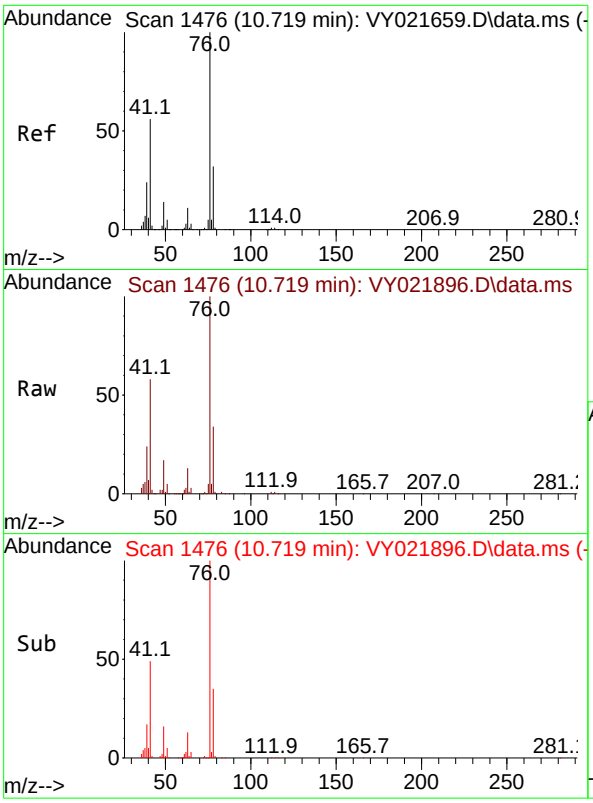


#56
Ethyl methacrylate
Concen: 61.056 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 69 Resp: 77724

Ion	Ratio	Lower	Upper
69	100		
41	63.9	53.8	80.6
39	34.5	29.6	44.4

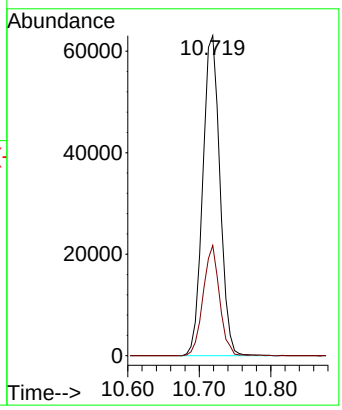




#57
1,3-Dichloropropane
Concen: 61.097 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 76 Resp: 10519

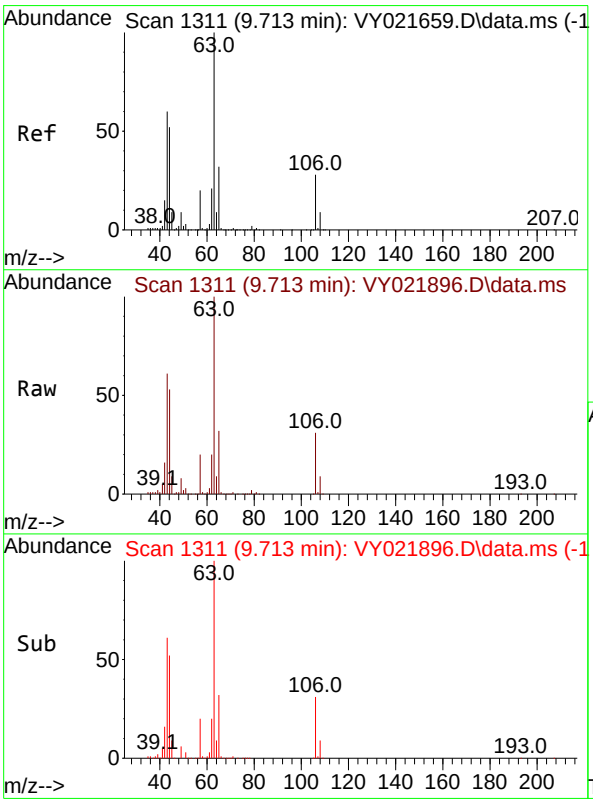
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

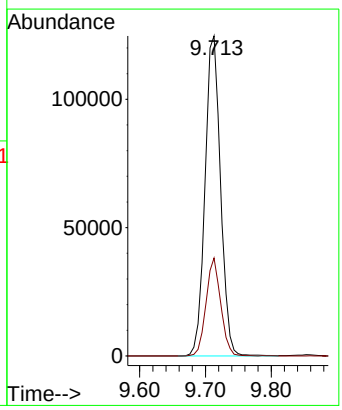
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

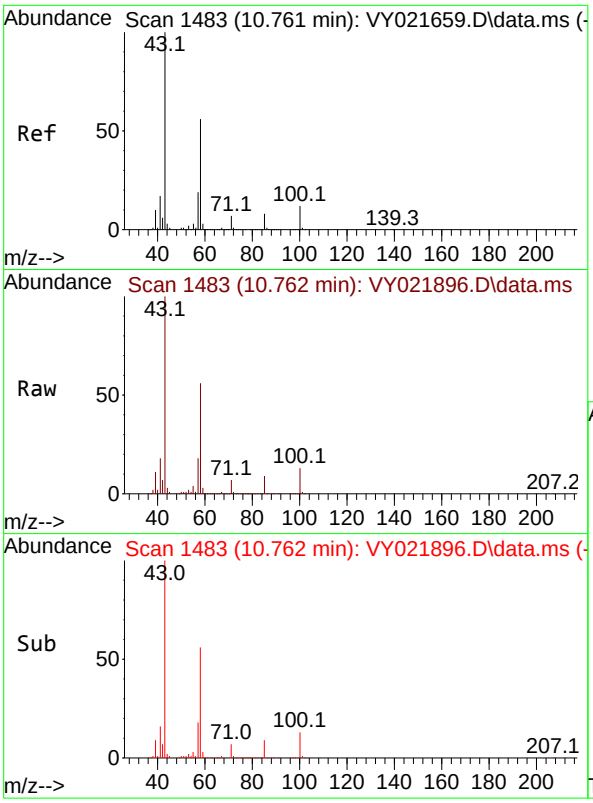


#58
2-Chloroethyl Vinyl ether
Concen: 329.602 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 63 Resp: 204684

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.4	33.6

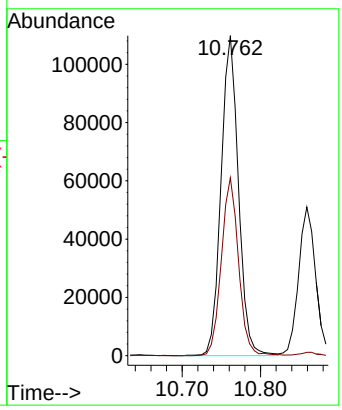




#59
2-Hexanone
Concen: 288.695 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 43 Resp: 16968

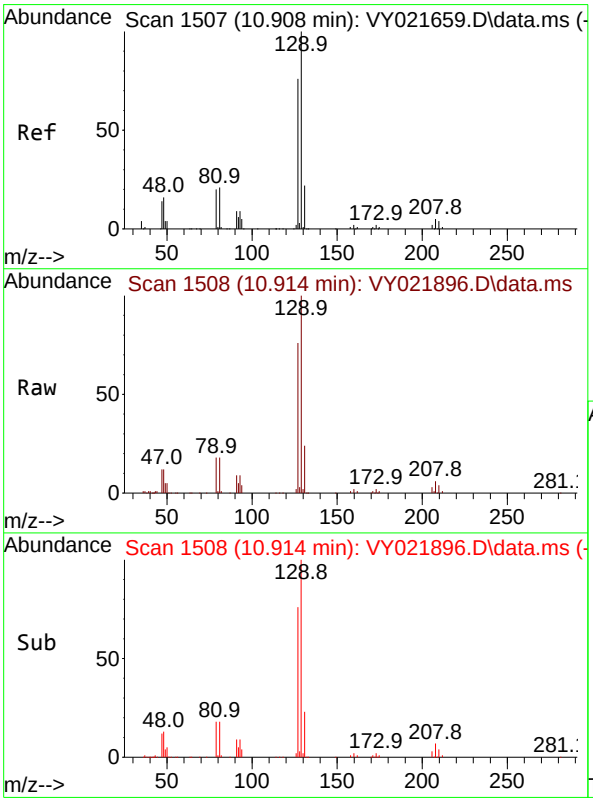
Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.2	81.5



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

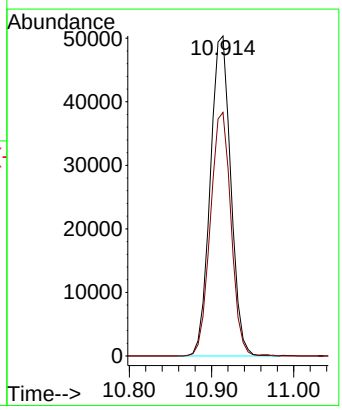
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

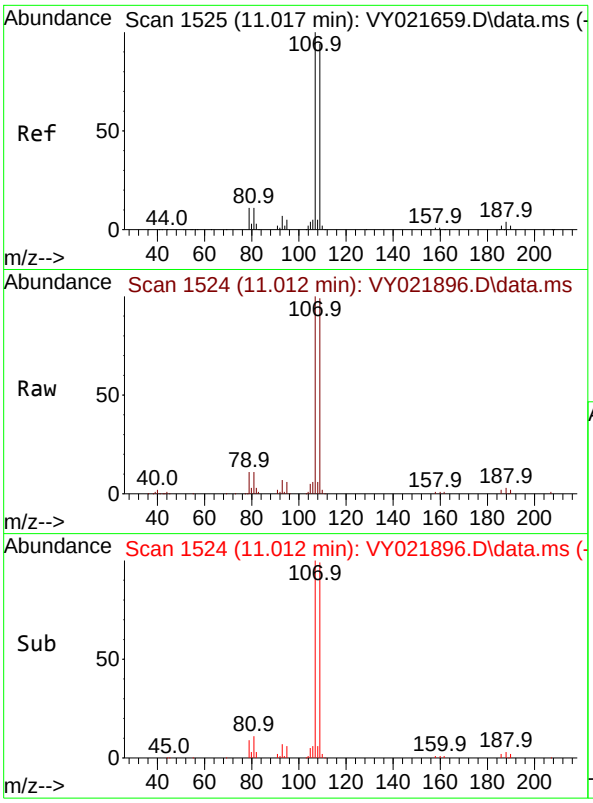


#60
Dibromochloromethane
Concen: 64.101 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:129 Resp: 87251

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	115.7





#61
1,2-Dibromoethane
Concen: 61.071 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

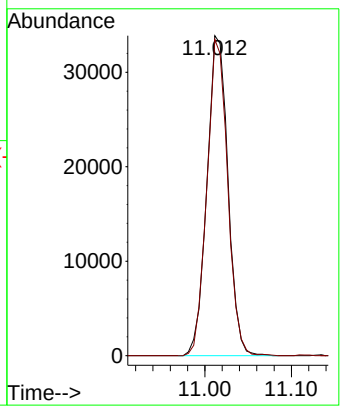
Tgt Ion:107 Resp: 5711

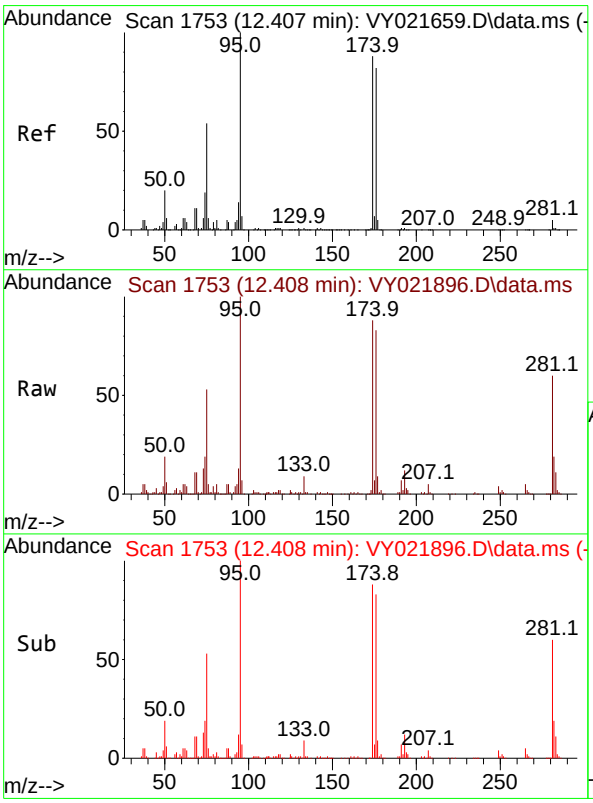
Ion	Ratio	Lower	Upper
107	100		
109	97.2	74.4	111.6

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

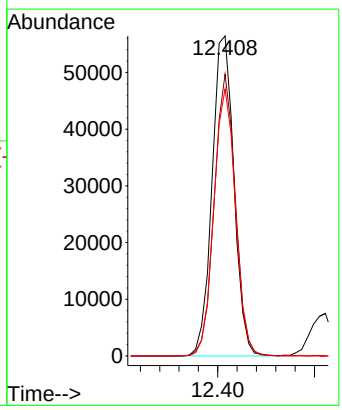


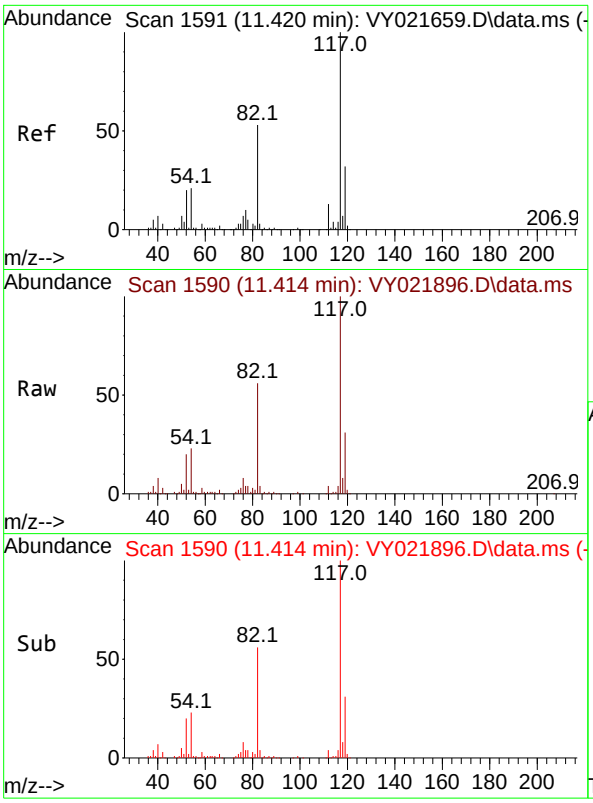


#62
4-Bromofluorobenzene
Concen: 55.201 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 95 Resp: 88431

Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	170.8
176	82.8	0.0	162.0

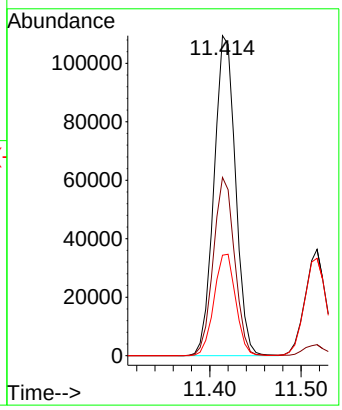




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:117 Resp: 17895

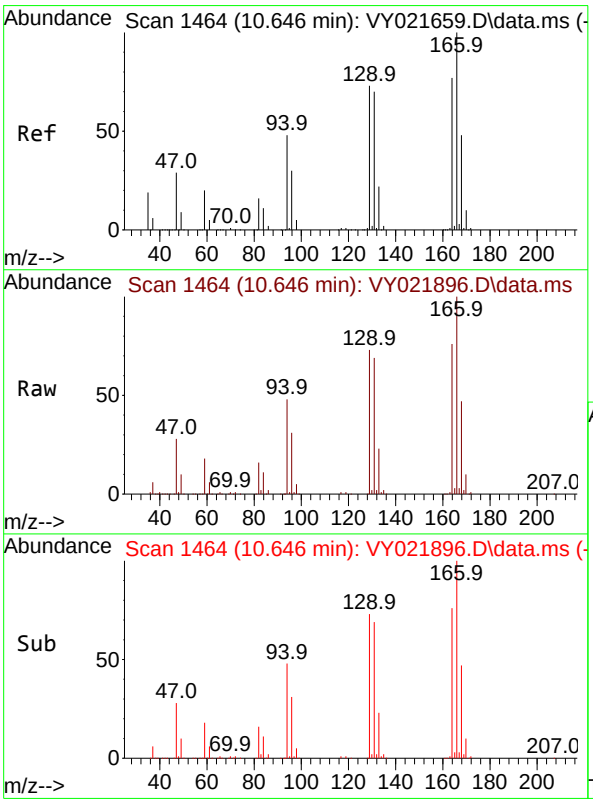
Ion	Ratio	Lower	Upper
117	100		
82	55.7	42.8	64.2
119	31.4	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

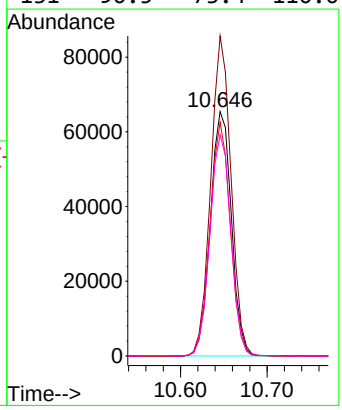
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

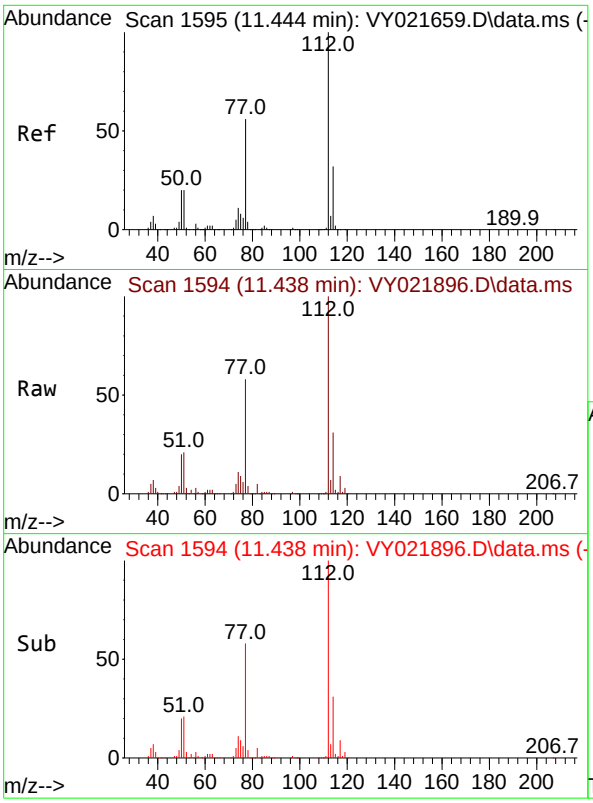


#64
Tetrachloroethene
Concen: 67.496 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:164 Resp: 110011

Ion	Ratio	Lower	Upper
164	100		
166	131.0	104.6	156.8
129	95.6	76.6	114.8
131	90.5	73.4	110.0

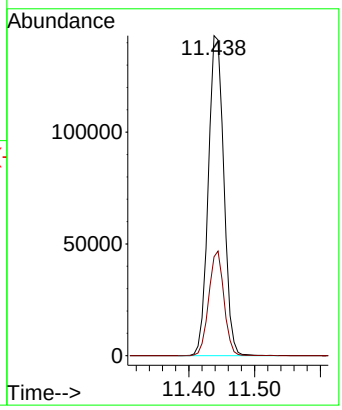




#65
Chlorobenzene
Concen: 57.224 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:112 Resp: 23474

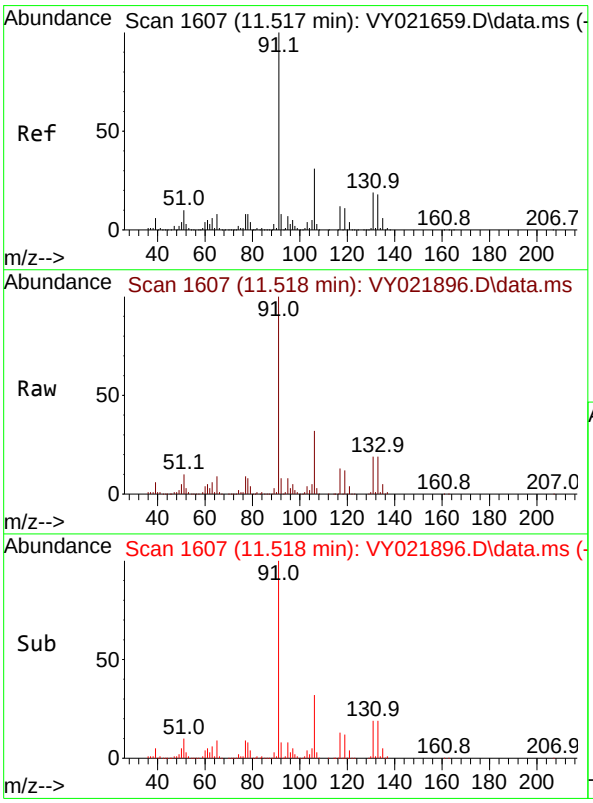
Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

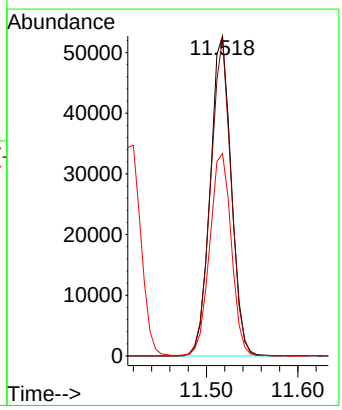
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

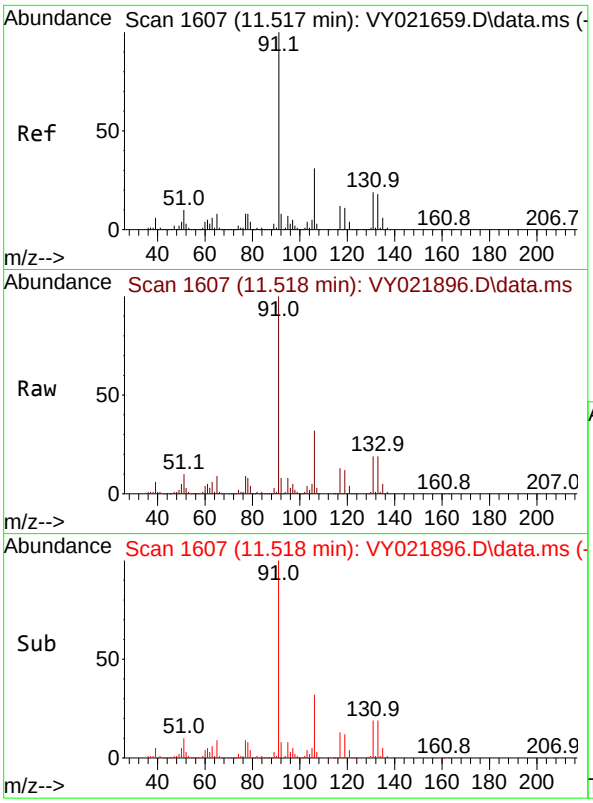


#66
1,1,1,2-Tetrachloroethane
Concen: 57.728 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:131 Resp: 84022

Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.3	141.8
119	65.3	31.6	95.0

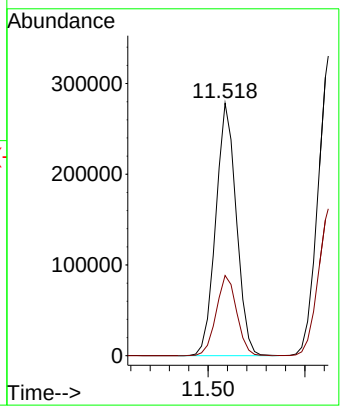




#67
Ethyl Benzene
Concen: 58.259 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 91 Resp: 40982

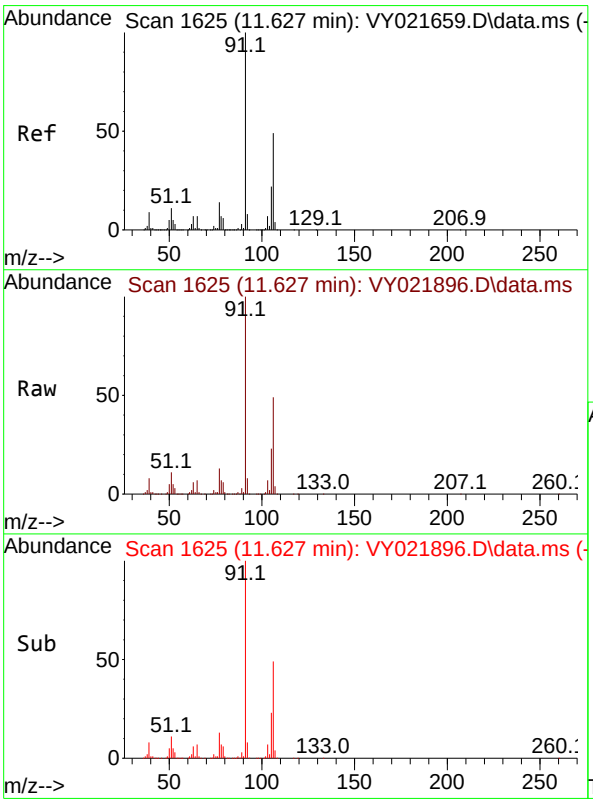
Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.6	36.8



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

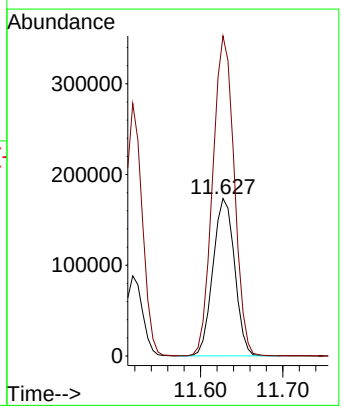
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

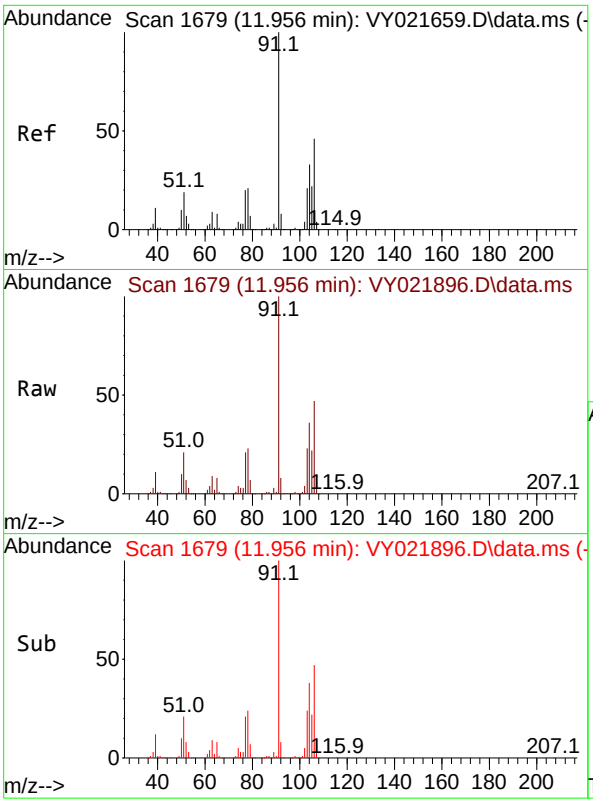


#68
m/p-Xylenes
Concen: 118.169 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:106 Resp: 318312

Ion	Ratio	Lower	Upper
106	100		
91	201.8	162.4	243.6

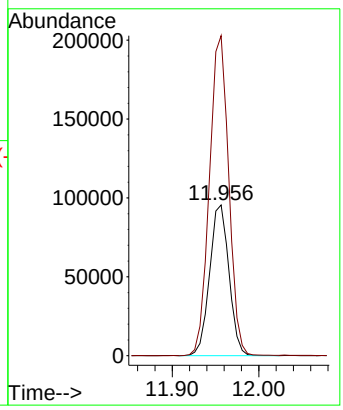




#69
o-Xylene
Concen: 59.653 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:106 Resp: 14832

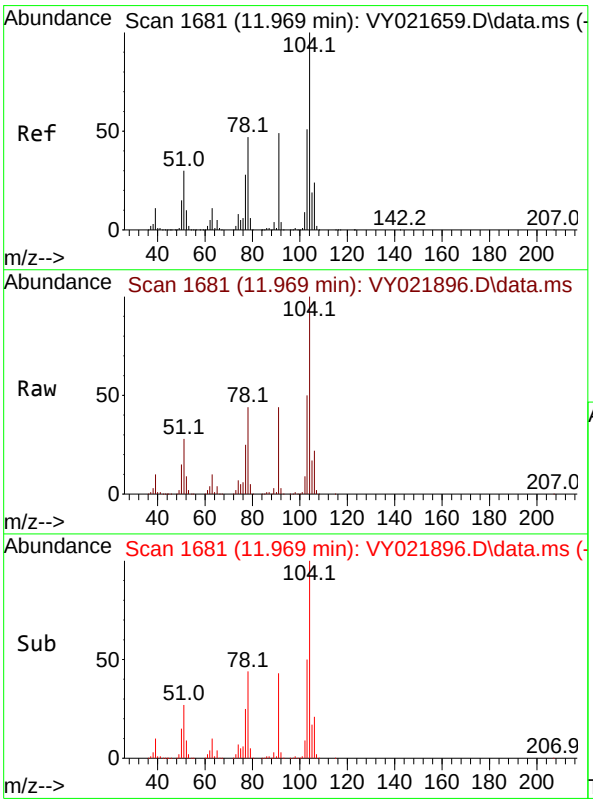
Ion	Ratio	Lower	Upper
106	100		
91	212.1	106.7	319.9



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

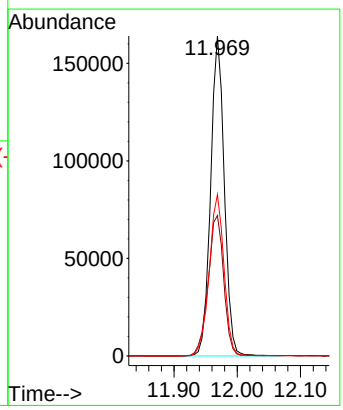
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

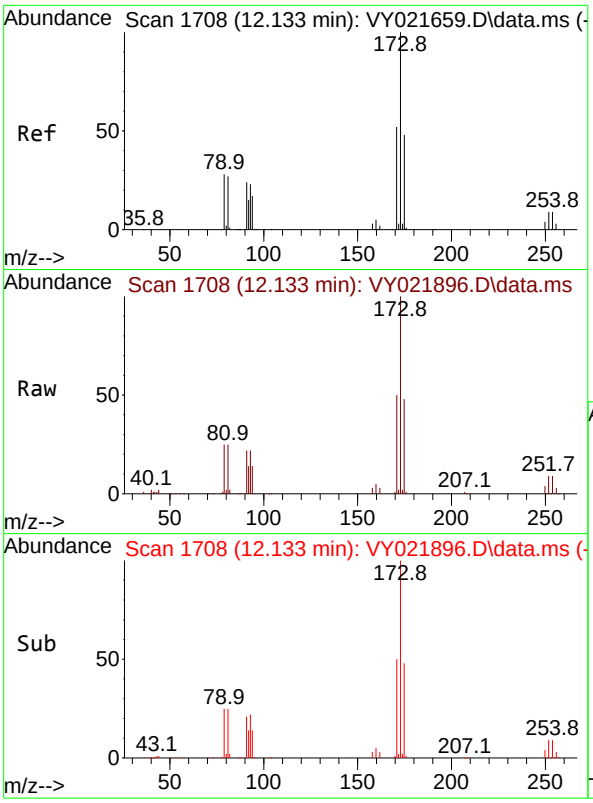


#70
Styrene
Concen: 59.501 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:104 Resp: 246680

Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.8	61.2
103	54.9	44.2	66.2

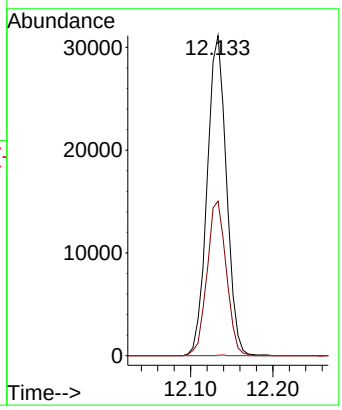




#71
Bromoform
Concen: 61.083 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:173 Resp: 5071

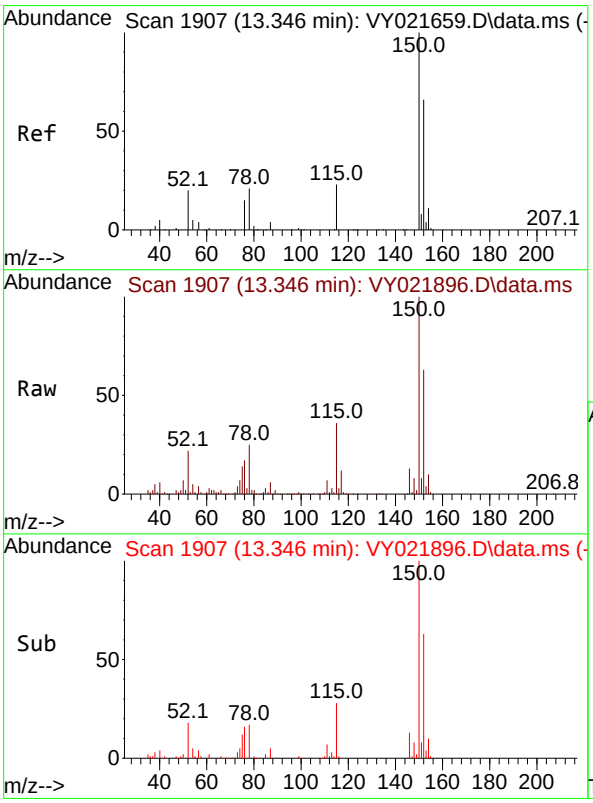
Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	73.0
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

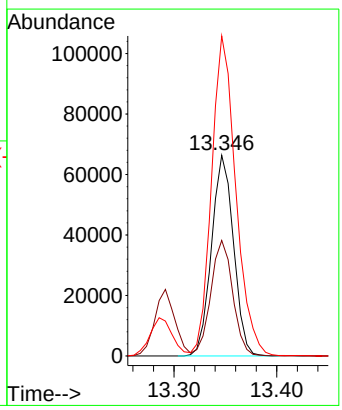
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

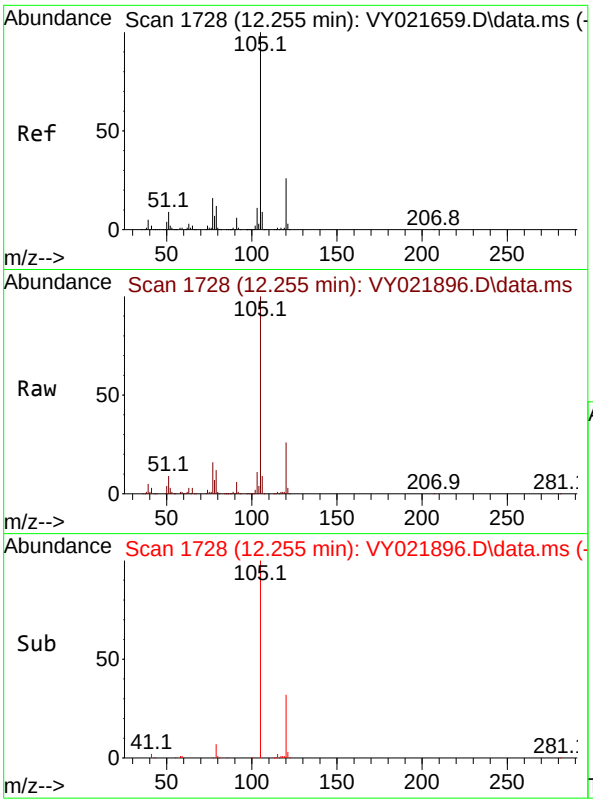


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:152 Resp: 98584

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.8	86.5
150	176.0	0.0	348.4

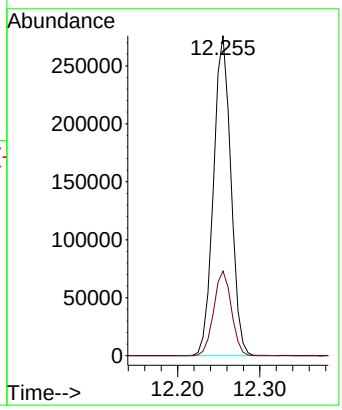




#73
Isopropylbenzene
Concen: 55.481 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:105 Resp: 40624

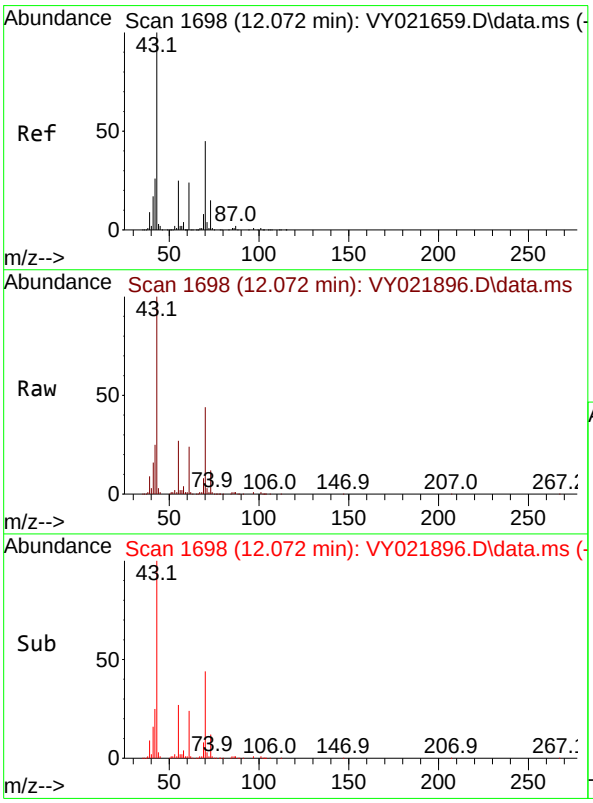
Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

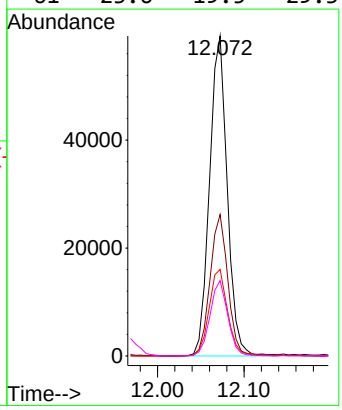
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

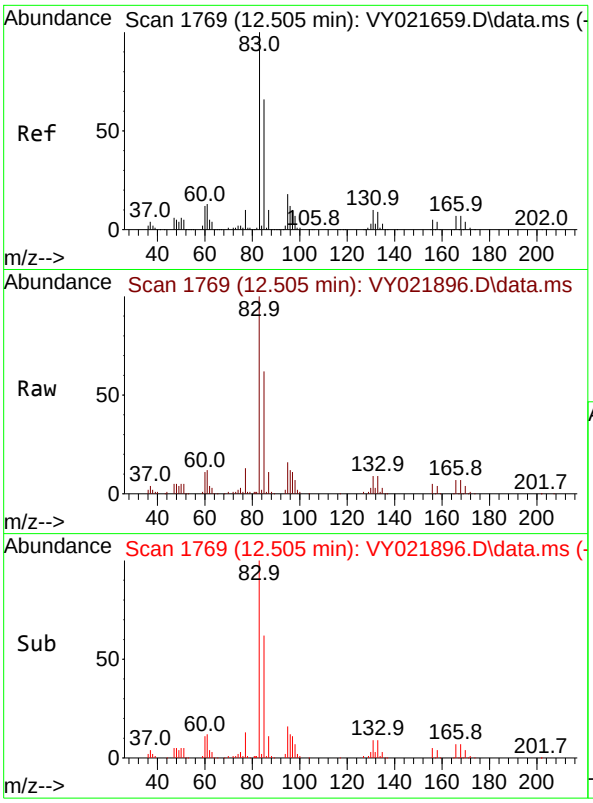


#74
N-amyl acetate
Concen: 49.020 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 43 Resp: 84238

Ion	Ratio	Lower	Upper
43	100		
70	44.6	34.7	52.1
55	28.7	21.2	31.8
61	23.6	19.5	29.3

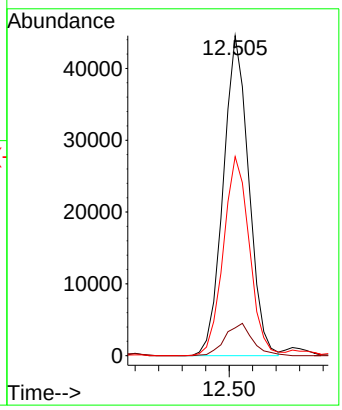




#75
1,1,2,2-Tetrachloroethane
Concen: 51.000 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 83 Resp: 6713

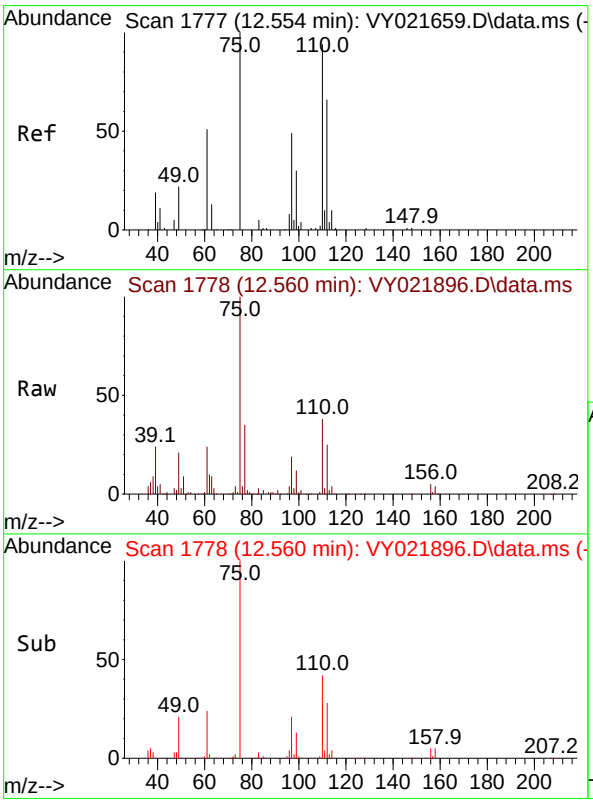
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.1	15.3
85	63.6	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

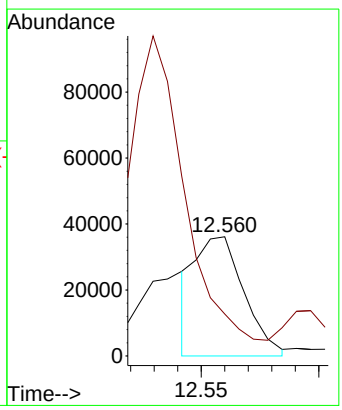
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

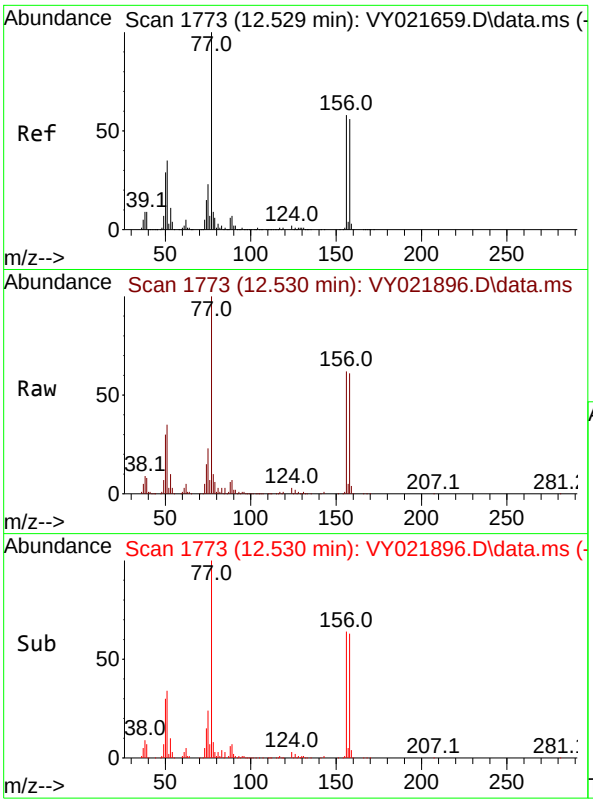


#76
1,2,3-Trichloropropane
Concen: 53.714 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 75 Resp: 52490

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

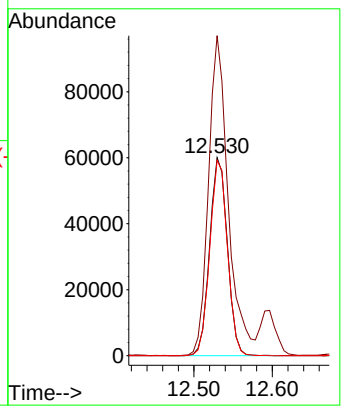




#77
Bromobenzene
Concen: 53.711 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:156 Resp: 9442

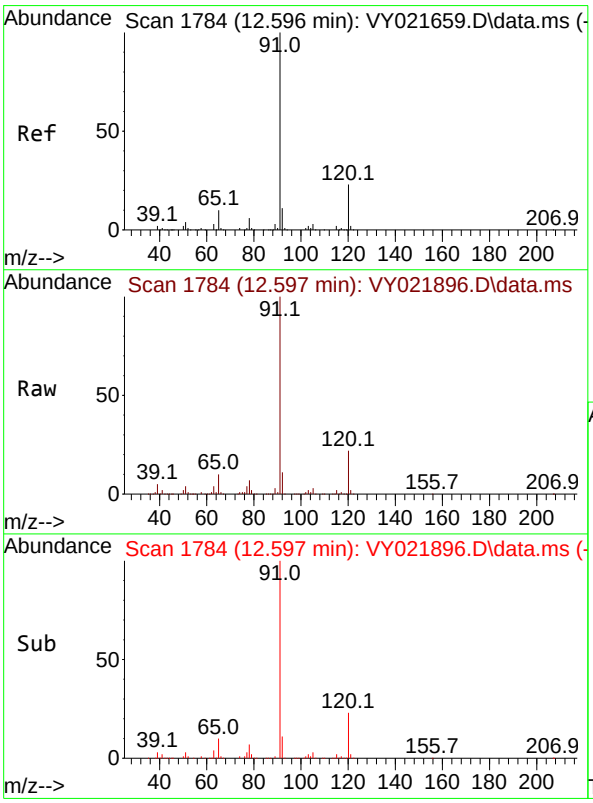
Ion	Ratio	Lower	Upper
156	100		
77	179.6	92.8	278.3
158	98.1	48.5	145.6



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

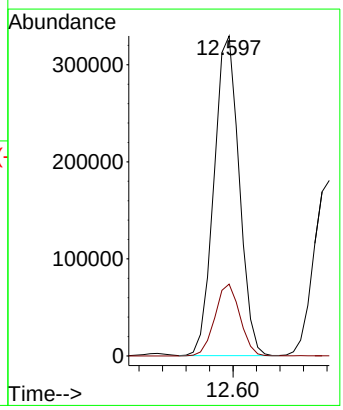
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

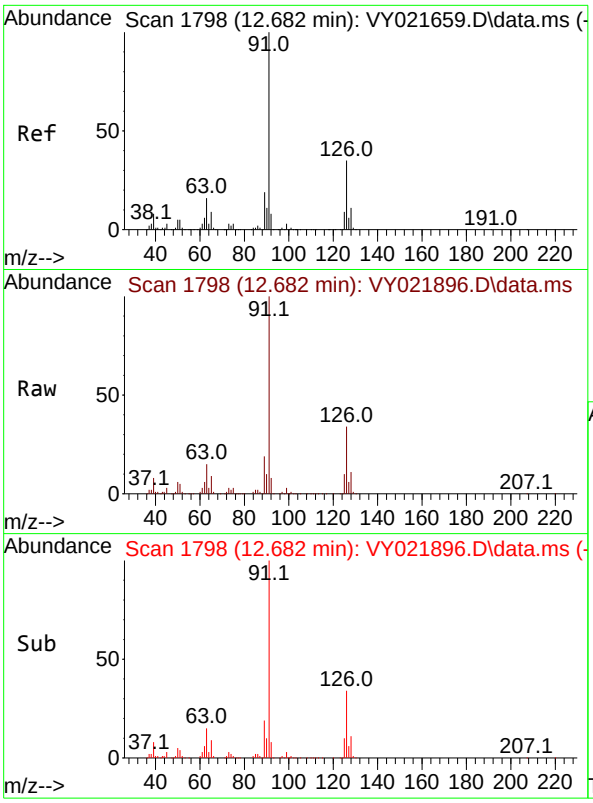


#78
n-propylbenzene
Concen: 55.700 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 91 Resp: 490327

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.9

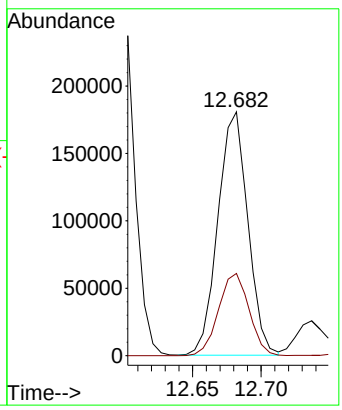




#79
2-Chlorotoluene
Concen: 53.684 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 91 Resp: 27448

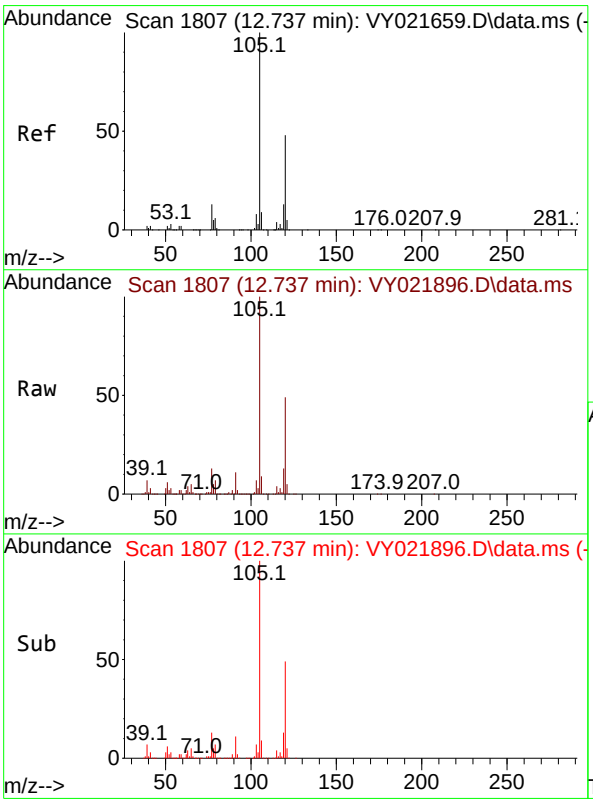
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	52.0



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

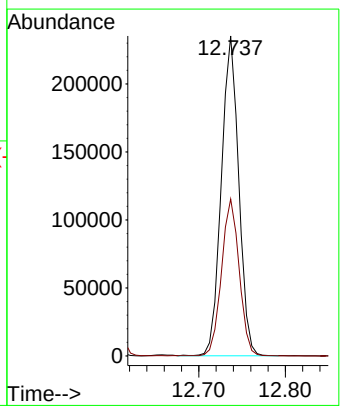
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

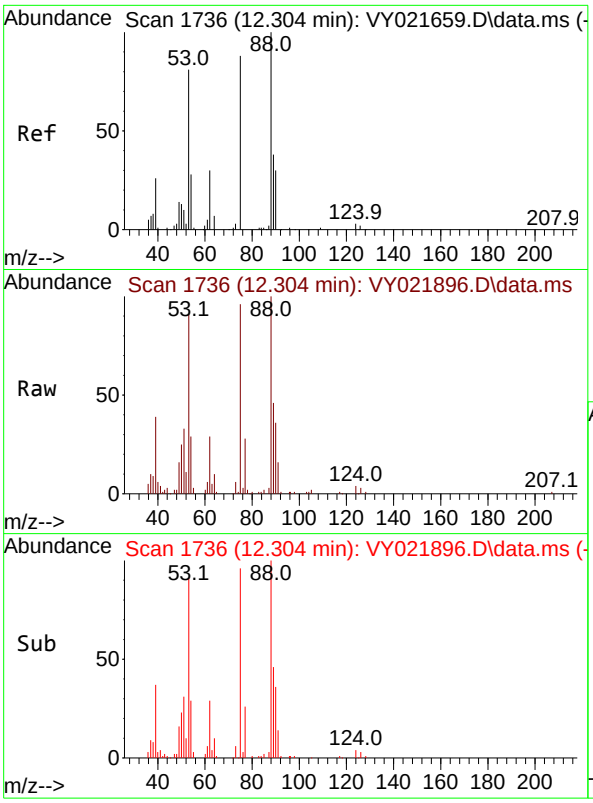


#80
1,3,5-Trimethylbenzene
Concen: 54.722 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:105 Resp: 327480

Ion	Ratio	Lower	Upper
105	100		
120	50.0	24.5	73.5

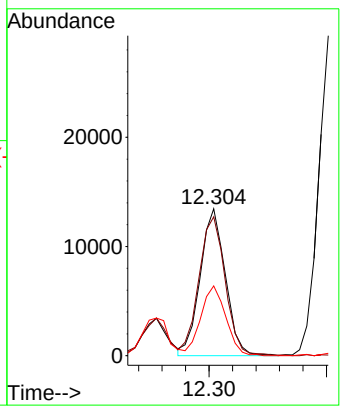




#81
trans-1,4-Dichloro-2-butene
Concen: 47.214 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 75 Resp: 2002

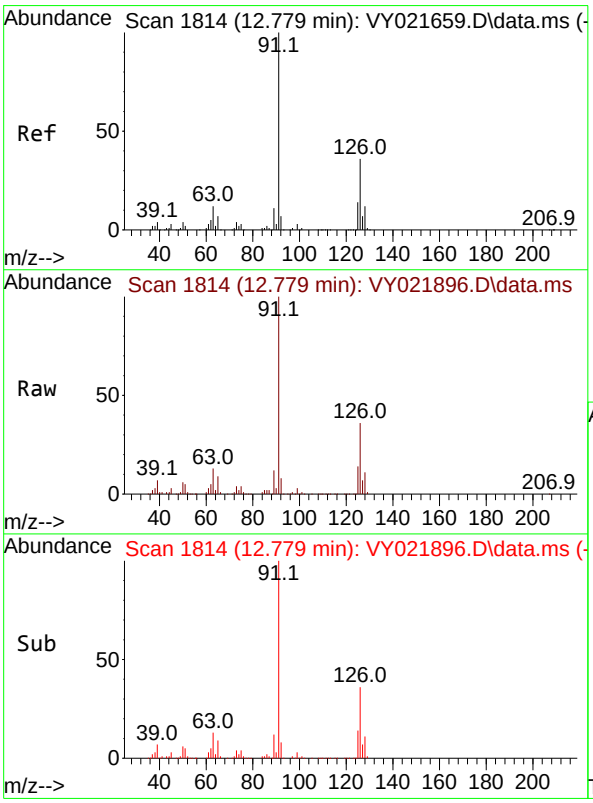
Ion	Ratio	Lower	Upper
75	100		
53	99.2	76.1	114.1
89	46.9	36.2	54.4



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

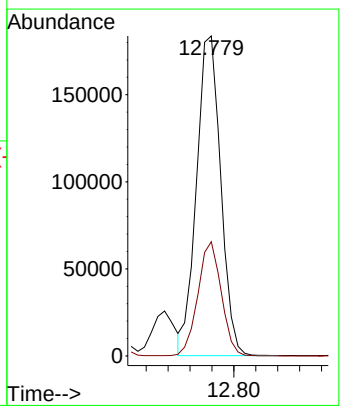
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

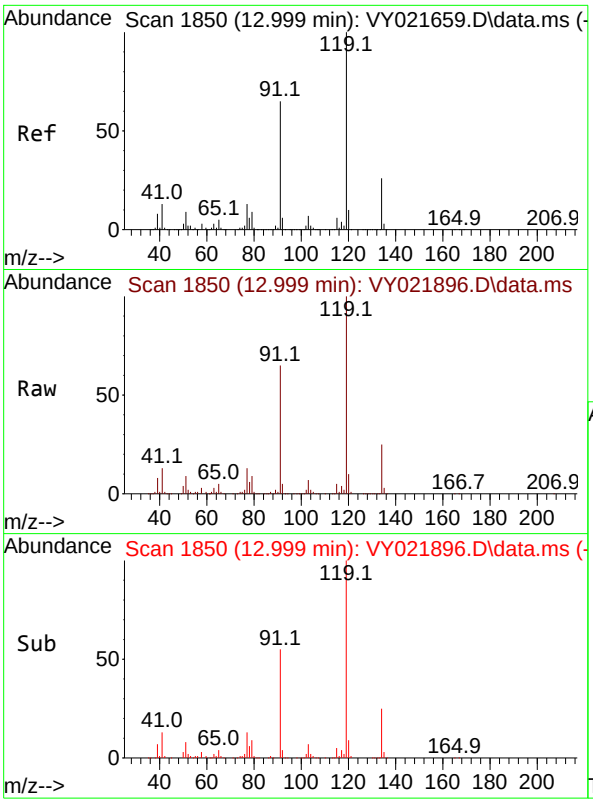


#82
4-Chlorotoluene
Concen: 52.776 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 91 Resp: 281320

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.0	50.9

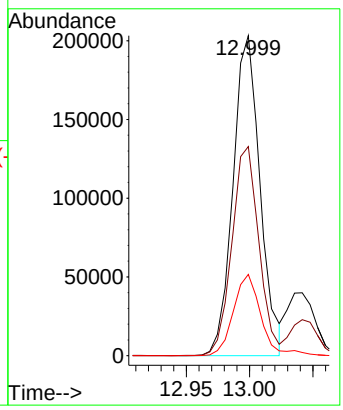




#83
tert-Butylbenzene
Concen: 56.860 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:119 Resp: 30307

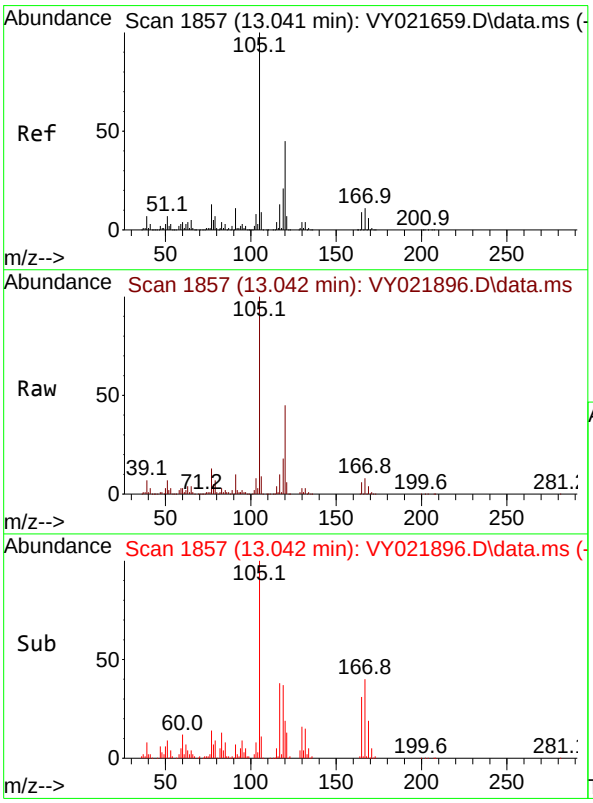
Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.6	97.7
134	25.9	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

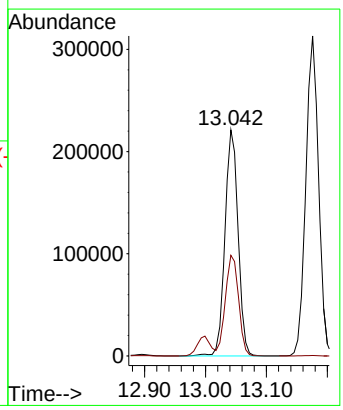
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

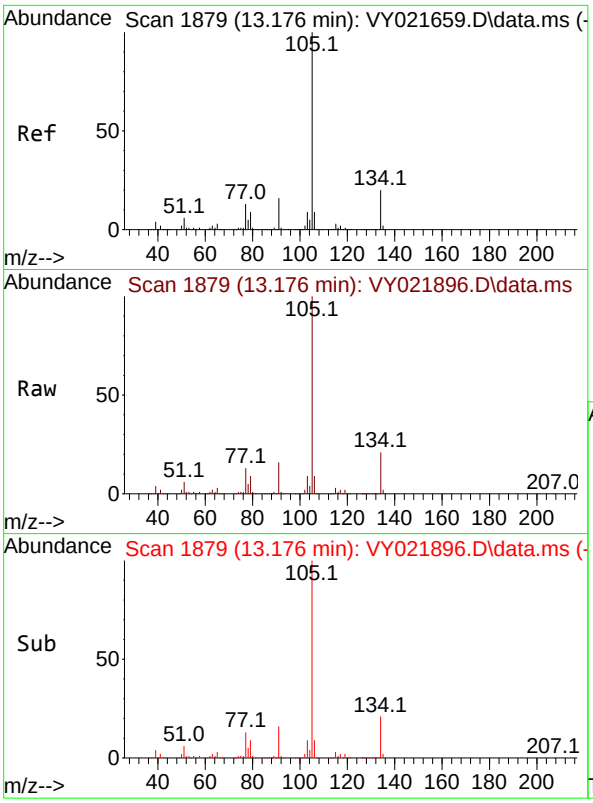


#84
1,2,4-Trimethylbenzene
Concen: 55.974 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:105 Resp: 331069

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.7	68.1

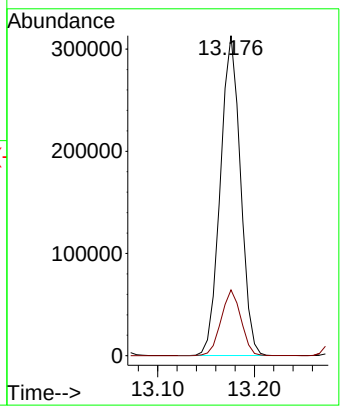




#85
sec-Butylbenzene
Concen: 58.143 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:105 Resp: 45291

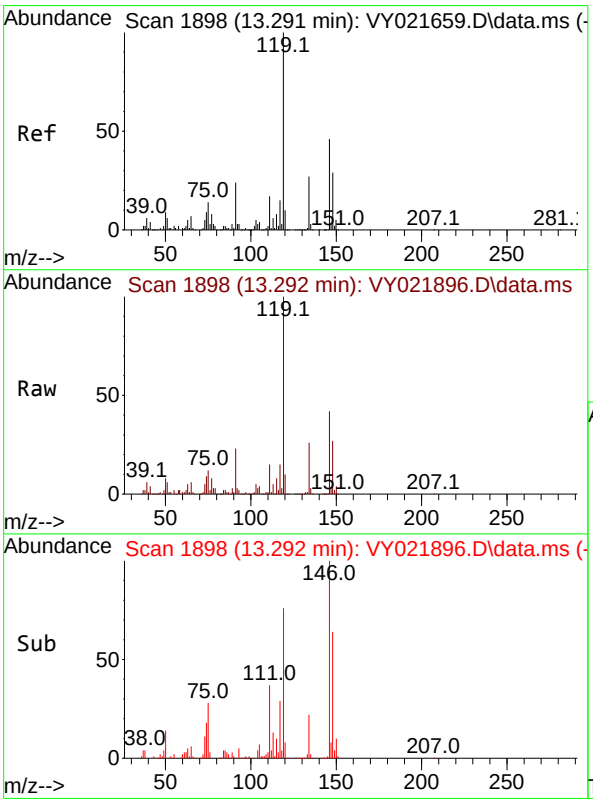
Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.1



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

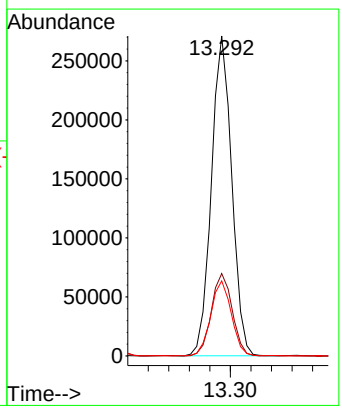
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

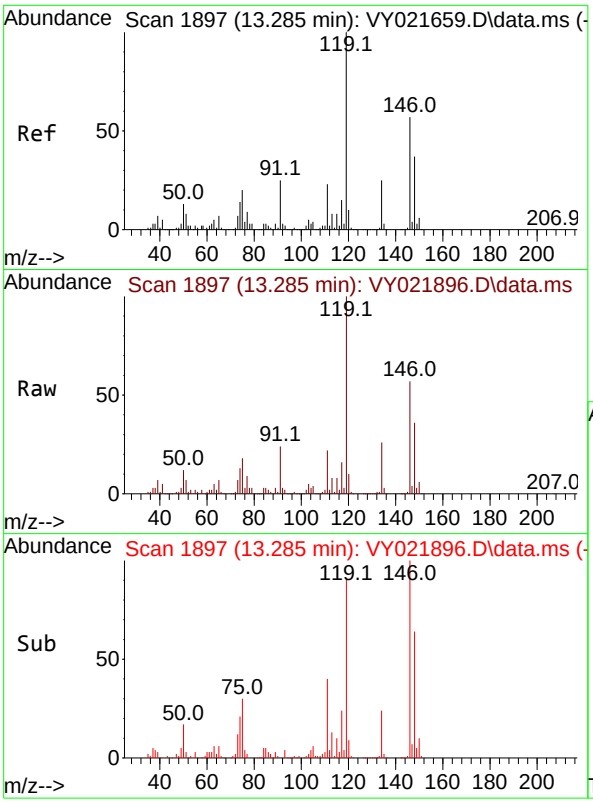


#86
p-Isopropyltoluene
Concen: 57.671 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:119 Resp: 371295

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.5
91	23.7	12.0	36.0

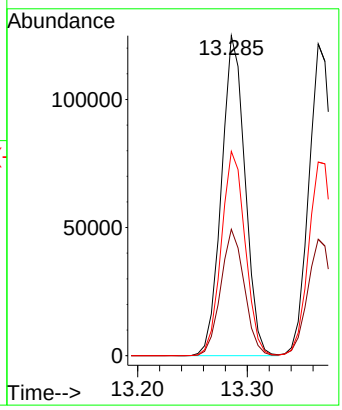




#87
1,3-Dichlorobenzene
Concen: 53.819 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:146 Resp: 18641

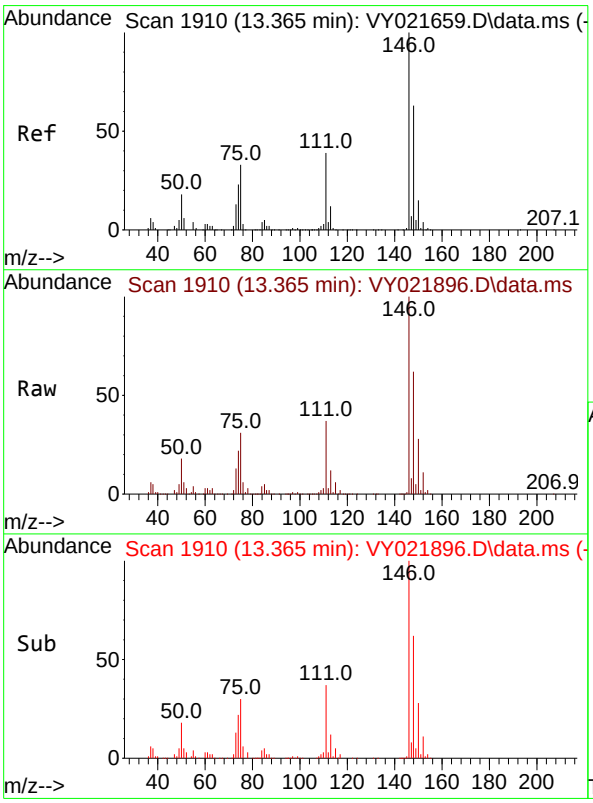
Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	64.6	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

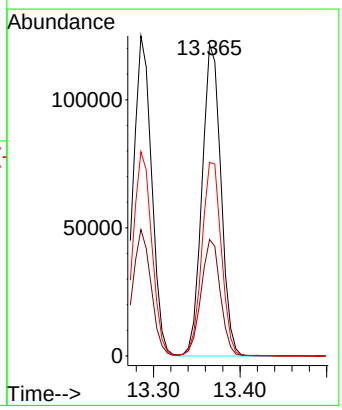
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

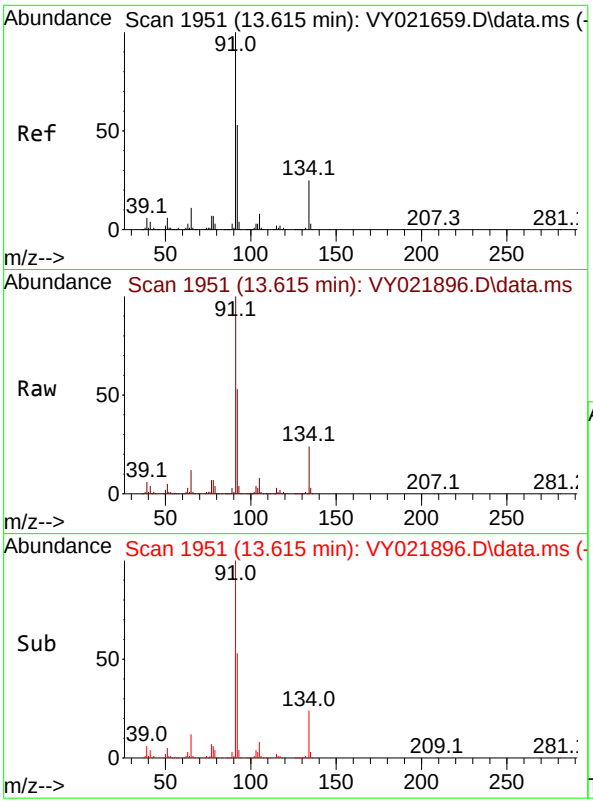


#88
1,4-Dichlorobenzene
Concen: 53.936 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:146 Resp: 184578

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	64.0	31.5	94.5





#89
n-Butylbenzene
Concen: 56.894 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

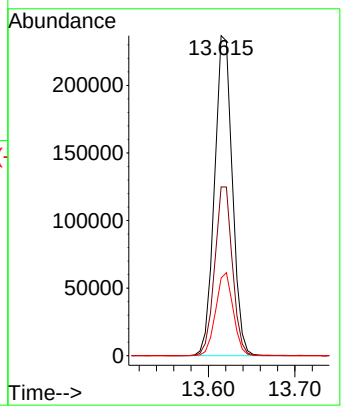
Tgt Ion: 91 Resp: 33875

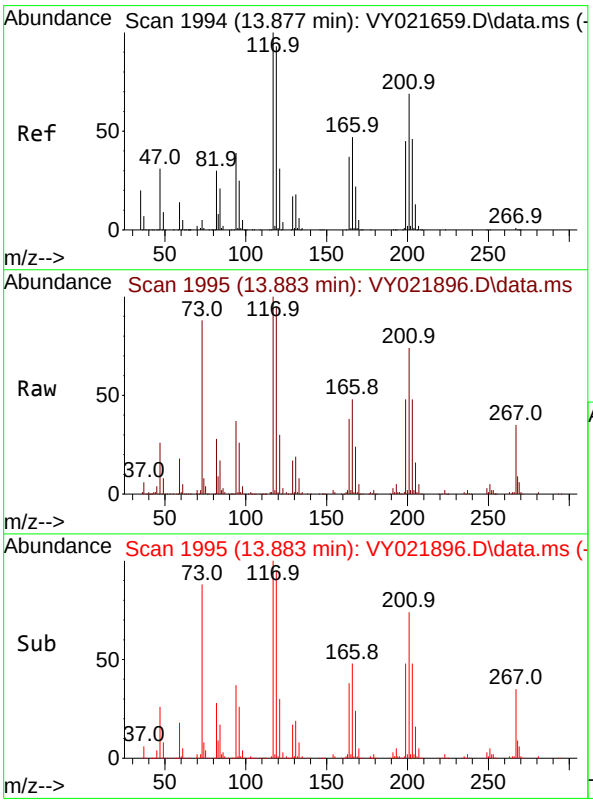
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.2
134	25.4	12.8	38.4

Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

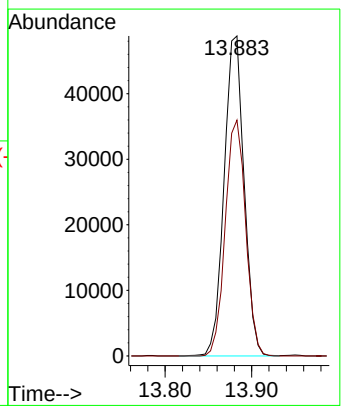


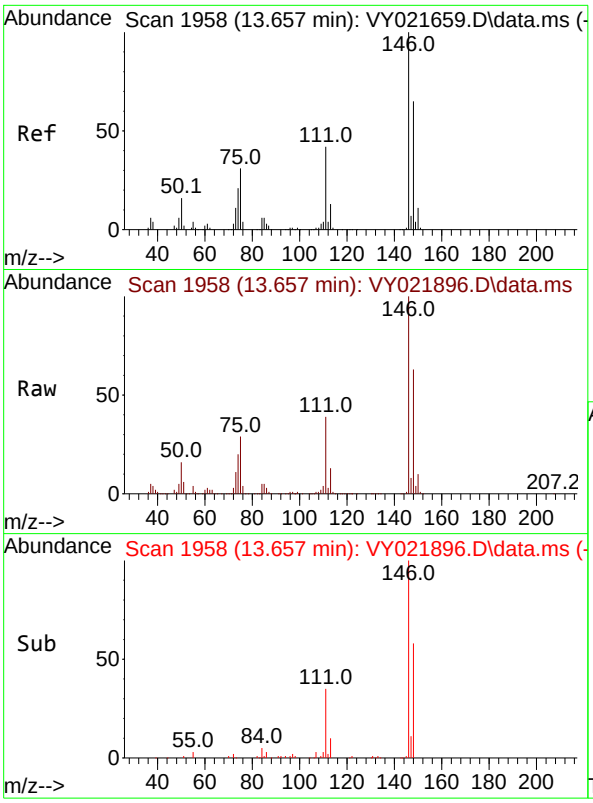


#90
Hexachloroethane
Concen: 55.573 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:117 Resp: 78405

Ion	Ratio	Lower	Upper
117	100		
201	75.0	37.4	112.1

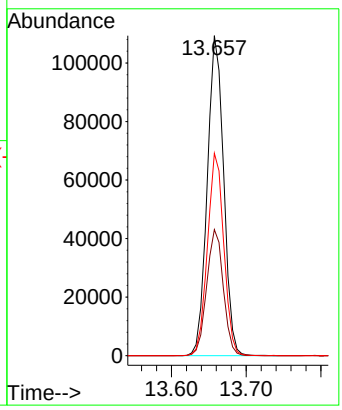




#91
1,2-Dichlorobenzene
Concen: 55.326 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:146 Resp: 16681

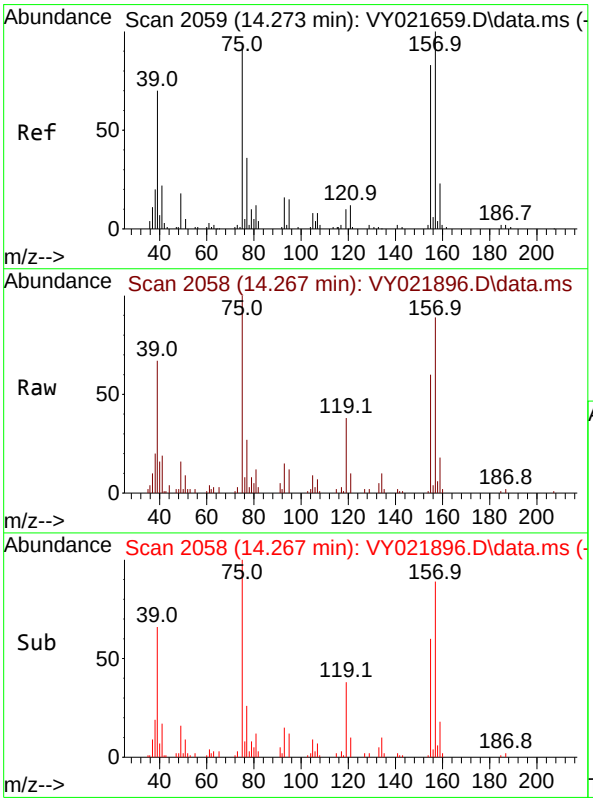
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.7	62.1
148	63.0	32.3	96.9



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

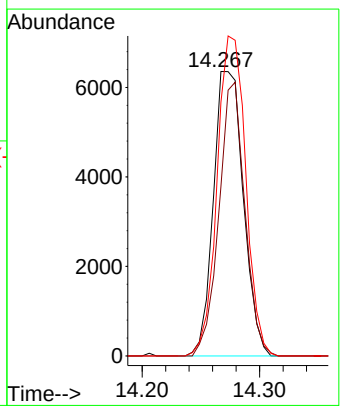
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

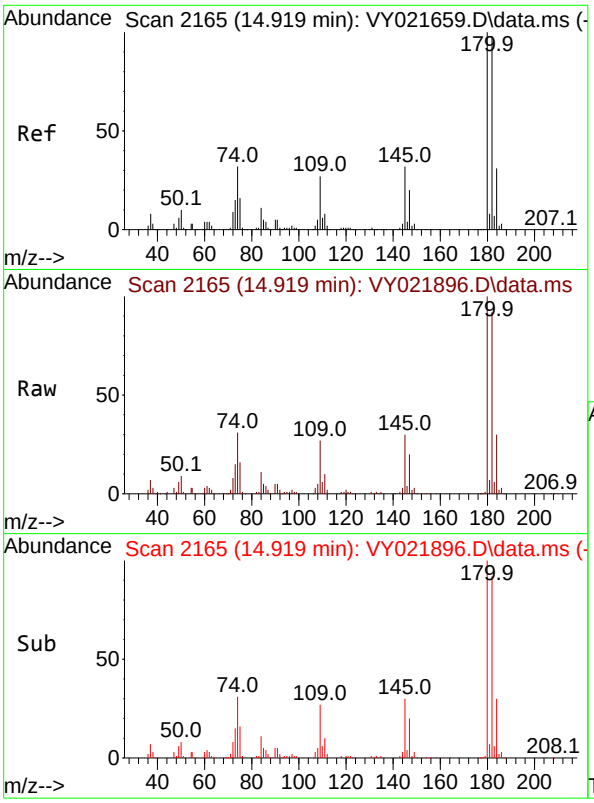


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.171 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion: 75 Resp: 11257

Ion	Ratio	Lower	Upper
75	100		
155	83.5	43.0	128.8
157	107.4	54.0	162.0

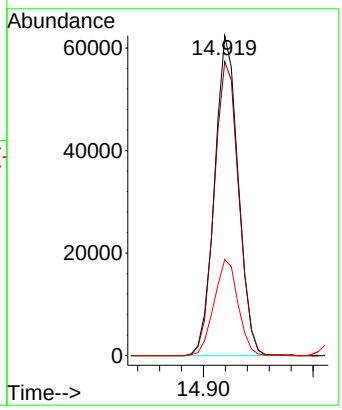




#93
1,2,4-Trichlorobenzene
Concen: 57.091 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:180 Resp: 9335

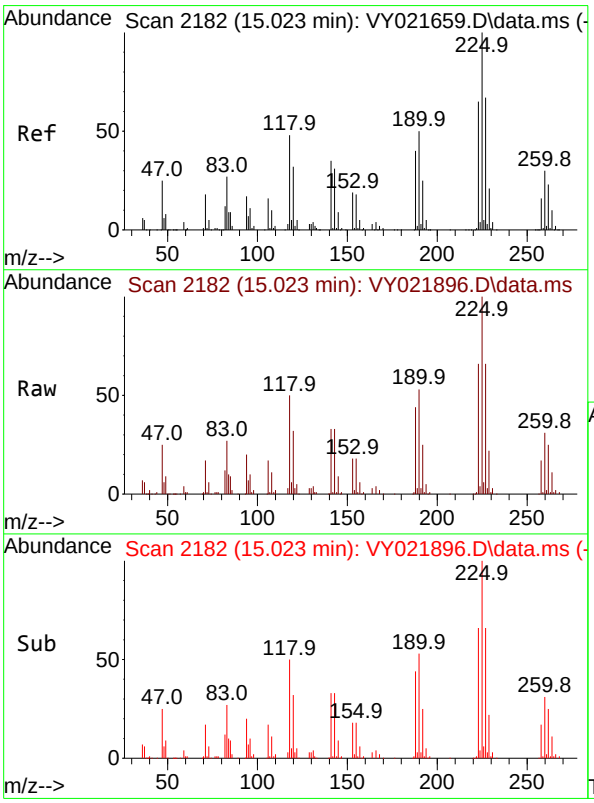
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	30.6	14.9	44.9



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

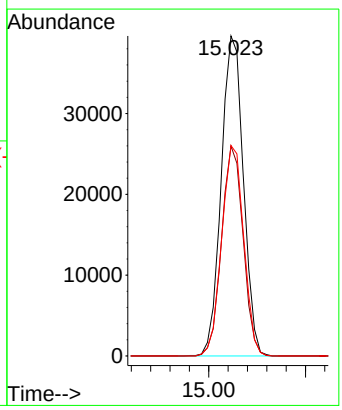
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

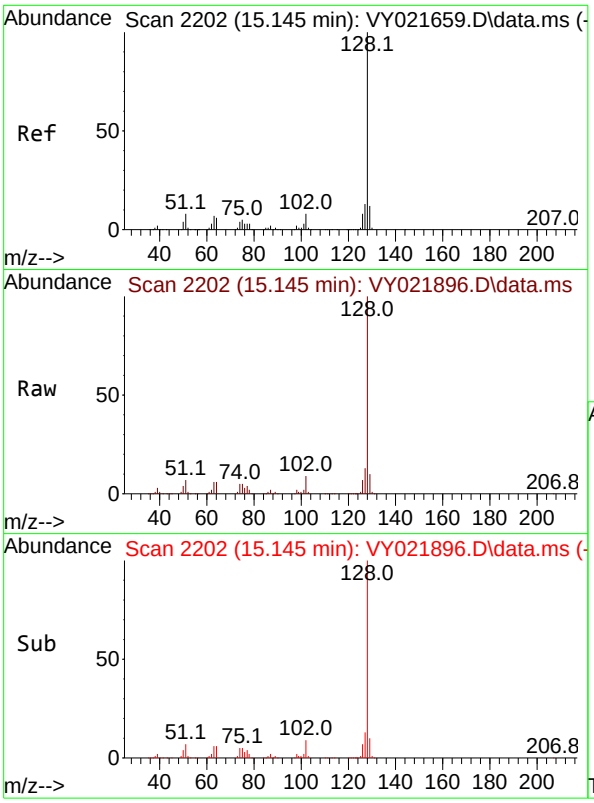


#94
Hexachlorobutadiene
Concen: 61.453 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:225 Resp: 62755

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	65.4	32.4	97.0

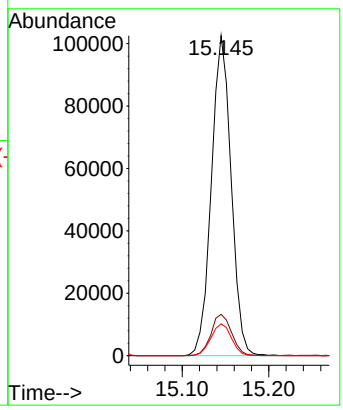




#95
Naphthalene
Concen: 59.898 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:128 Resp: 16233

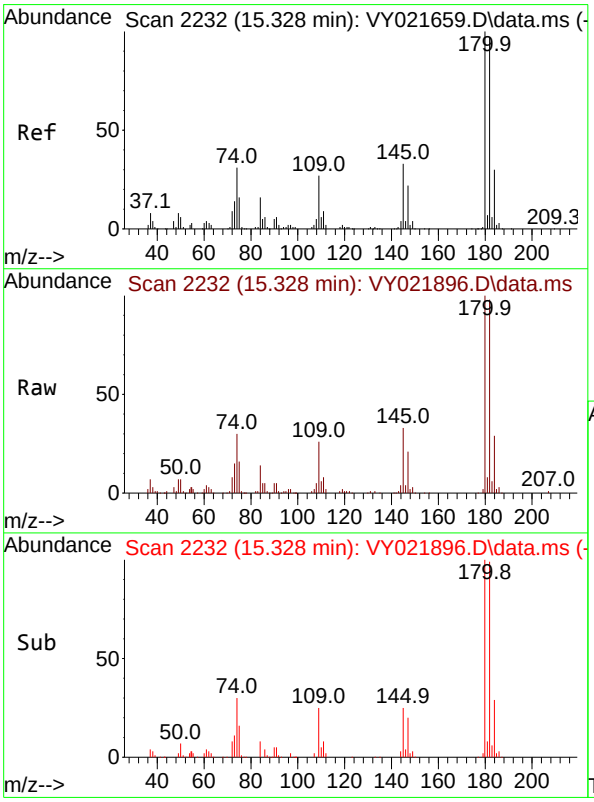
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	10.3	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
S-872-G1-SO-20.0-20.5-041025MSD

Manual Integrations
APPROVED

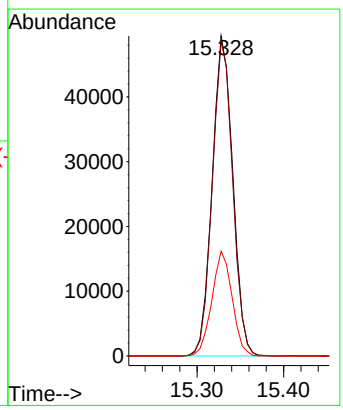
Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 58.568 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021896.D
Acq: 15 Apr 2025 15:11

Tgt Ion:180 Resp: 81664

Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.5	142.5
145	32.2	15.9	47.7



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

Manual Integration Report

Sequence:	VX040225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX045525.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC001	VX045525.D	1,4-Dichlorobenzene	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC001	VX045525.D	1,4-Dioxane	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC001	VX045525.D	Ethyl methacrylate	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC001	VX045525.D	Methacrylonitrile	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC005	VX045526.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:22 PM	MMDadoda	4/2/2025 2:16:07 PM	Peak Integrated by Software
VSTDICC020	VX045527.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:25 PM	MMDadoda	4/2/2025 2:16:09 PM	Peak Integrated by Software
VSTDICCC050	VX045528.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:26 PM	MMDadoda	4/2/2025 2:16:11 PM	Peak Integrated by Software
VSTDICC100	VX045529.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:28 PM	MMDadoda	4/2/2025 2:16:15 PM	Peak Integrated by Software
VSTDICC150	VX045530.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:30 PM	MMDadoda	4/2/2025 2:16:46 PM	Peak Integrated by Software
VSTDICV050	VX045532.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:32 PM	MMDadoda	4/2/2025 2:17:50 PM	Peak Integrated by Software
VSTDCCC050	VX045534.D	1,2,3-Trichloropropane	JOHN	4/3/2025 10:04:10 AM	MMDadoda	4/3/2025 1:12:02 PM	Peak Integrated by Software
VSTDCCC050	VX045557.D	1,2,3-Trichloropropane	JOHN	4/3/2025 10:04:58 AM	MMDadoda	4/3/2025 1:12:08 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX040225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	vx041125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045730.D	1,2,3-Trichloropropane	JOHN	4/14/2025 9:06:21 AM	MMDadoda	4/14/2025 3:43:04 PM	Peak Integrated by Software
VX0411WBS01	VX045733.D	1,2,3-Trichloropropane	JOHN	4/14/2025 9:06:26 AM	MMDadoda	4/14/2025 3:43:05 PM	Peak Integrated by Software
VX0411WBSD01	VX045734.D	1,2,3-Trichloropropane	JOHN	4/14/2025 9:06:33 AM	MMDadoda	4/14/2025 3:43:07 PM	Peak Integrated by Software
VSTDCCC050	VX045753.D	1,2,3-Trichloropropane	JOHN	4/14/2025 9:06:45 AM	MMDadoda	4/14/2025 3:43:13 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx041425	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045755.D	1,2,3-Trichloropropane	Amit	4/15/2025 2:25:01 PM	MMDadoda	4/15/2025 2:46:34 PM	Peak Integrated by Software
VX0414MBS01	VX045758.D	1,2,3-Trichloropropane	Amit	4/15/2025 2:24:28 PM	MMDadoda	4/15/2025 2:46:35 PM	Peak Integrated by Software
VSTDCCC050	VX045782.D	1,2,3-Trichloropropane	Amit	4/15/2025 2:25:10 PM	MMDadoda	4/15/2025 2:46:45 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy032725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021656.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC005	VY021656.D	Methacrylonitrile	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	Methacrylonitrile	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC020	VY021658.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:20 AM	MMDadoda	3/28/2025 9:32:41 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	Methacrylonitrile	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICC100	VY021660.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:15 AM	MMDadoda	3/28/2025 9:32:49 AM	Peak Integrated by Software
VSTDICC150	VY021661.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:43 AM	MMDadoda	3/28/2025 9:32:53 AM	Peak Integrated by Software
VSTDICV050	VY021663.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:11 AM	MMDadoda	3/28/2025 9:32:04 AM	Peak Integrated by Software
VSTDCCC050	VY021680.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:58 AM	MMDadoda	3/28/2025 9:32:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY041525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021882.D	1,2,3-Trichloropropane	MMDadoda	4/16/2025 3:42:25 PM	SAM	4/16/2025 3:44:41 PM	Peak Integrated by Software
VY0415SBS01	VY021884.D	1,2,3-Trichloropropane	MMDadoda	4/16/2025 3:42:27 PM	SAM	4/16/2025 3:44:42 PM	Peak Integrated by Software
Q1790-02MS	VY021895.D	1,2,3-Trichloropropane	MMDadoda	4/16/2025 3:42:32 PM	SAM	4/16/2025 3:44:45 PM	Peak Integrated by Software
Q1790-03MSD	VY021896.D	1,2,3-Trichloropropane	MMDadoda	4/16/2025 3:42:33 PM	SAM	4/16/2025 3:44:47 PM	Peak Integrated by Software
VSTDCCC050	VY021898.D	1,2,3-Trichloropropane	MMDadoda	4/16/2025 3:42:34 PM	SAM	4/16/2025 3:44:48 PM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040225

Review By	John Carlone	Review On	4/2/2025 9:42:46 AM		
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:39 PM		
SubDirectory	VX040225	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133559,VP133563
Initial Calibration Stds	VP133569,VP133570,VP133571,VP133572,VP133573,VP133574
CCC	VP133564,VP133565
Internal Standard/PEM	
ICV/I.BLK	VP133575
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045524.D	01 Apr 2025 16:15	JC/MD	Ok
2	VSTDICC001	VX045525.D	01 Apr 2025 17:06	JC/MD	Ok,M
3	VSTDICC005	VX045526.D	01 Apr 2025 17:29	JC/MD	Ok,M
4	VSTDICC020	VX045527.D	01 Apr 2025 17:52	JC/MD	Ok,M
5	VSTDICCC050	VX045528.D	01 Apr 2025 18:15	JC/MD	Ok,M
6	VSTDICC100	VX045529.D	01 Apr 2025 18:38	JC/MD	Ok,M
7	VSTDICC150	VX045530.D	01 Apr 2025 19:02	JC/MD	Ok,M
8	IBLK	VX045531.D	01 Apr 2025 19:25	JC/MD	Ok
9	VSTDICV050	VX045532.D	01 Apr 2025 19:48	JC/MD	Ok,M
10	BFB	VX045533.D	02 Apr 2025 09:30	JC/MD	Ok
11	VSTDCCC050	VX045534.D	02 Apr 2025 10:02	JC/MD	Ok,M
12	VX0402MBL01	VX045535.D	02 Apr 2025 10:30	JC/MD	Ok
13	VX0402WBL01	VX045536.D	02 Apr 2025 10:53	JC/MD	Ok
14	VX0402WBS01	VX045537.D	02 Apr 2025 11:16	JC/MD	Ok,M
15	VX0402WBSD01	VX045538.D	02 Apr 2025 11:44	JC/MD	Ok,M
16	Q1697-01	VX045539.D	02 Apr 2025 12:07	JC/MD	Dilution
17	Q1697-02	VX045540.D	02 Apr 2025 12:30	JC/MD	Dilution
18	IBLK	VX045541.D	02 Apr 2025 12:54	JC/MD	Ok
19	Q1697-01DL	VX045542.D	02 Apr 2025 13:21	JC/MD	Ok
20	Q1697-02DL	VX045543.D	02 Apr 2025 13:44	JC/MD	Ok
21	Q1697-03	VX045544.D	02 Apr 2025 14:07	JC/MD	Not Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040225

Review By	John Carlone	Review On	4/2/2025 9:42:46 AM		
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:39 PM		
SubDirectory	VX040225	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133559,VP133563
Initial Calibration Stds	VP133569,VP133570,VP133571,VP133572,VP133573,VP133574
CCC	VP133564,VP133565
Internal Standard/PEM	
ICV/I.BLK	VP133575
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1697-04	VX045545.D	02 Apr 2025 14:31	JC/MD	Not Ok
23	Q1697-05	VX045546.D	02 Apr 2025 14:54	JC/MD	Not Ok
24	Q1697-07	VX045547.D	02 Apr 2025 15:18	JC/MD	Not Ok
25	IBLK	VX045548.D	02 Apr 2025 15:41	JC/MD	Ok
26	Q1697-03	VX045549.D	02 Apr 2025 16:04	JC/MD	Ok
27	Q1697-04	VX045550.D	02 Apr 2025 16:27	JC/MD	Ok
28	Q1697-05	VX045551.D	02 Apr 2025 16:51	JC/MD	Ok
29	Q1697-06	VX045552.D	02 Apr 2025 17:14	JC/MD	ReRun
30	Q1623-01	VX045553.D	02 Apr 2025 17:37	JC/MD	Ok
31	Q1623-02	VX045554.D	02 Apr 2025 18:01	JC/MD	Ok
32	Q1623-03	VX045555.D	02 Apr 2025 18:24	JC/MD	Ok
33	Q1623-04	VX045556.D	02 Apr 2025 18:47	JC/MD	Ok
34	VSTDCCC050	VX045557.D	02 Apr 2025 19:10	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX041125

Review By	John Carlone	Review On	4/14/2025 9:35:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/14/2025 3:43:21 PM		
SubDirectory	VX041125	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133640
Initial Calibration Stds	
CCC	VP133641,VP133642
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045729.D	11 Apr 2025 10:14	JC/MD	Ok
2	VSTDCCC050	VX045730.D	11 Apr 2025 10:41	JC/MD	Ok,M
3	VX0411MBL01	VX045731.D	11 Apr 2025 11:09	JC/MD	Ok
4	VX0411WBL01	VX045732.D	11 Apr 2025 11:32	JC/MD	Ok
5	VX0411WBS01	VX045733.D	11 Apr 2025 11:55	JC/MD	Ok,M
6	VX0411WBSD01	VX045734.D	11 Apr 2025 12:22	JC/MD	Ok,M
7	Q1773-02	VX045735.D	11 Apr 2025 12:45	JC/MD	Ok
8	Q1773-03	VX045736.D	11 Apr 2025 13:08	JC/MD	Dilution
9	Q1773-01	VX045737.D	11 Apr 2025 13:32	JC/MD	ReRun
10	Q1790-17	VX045738.D	11 Apr 2025 13:55	JC/MD	Ok
11	Q1790-19	VX045739.D	11 Apr 2025 14:18	JC/MD	Ok
12	Q1782-09	VX045740.D	11 Apr 2025 14:41	JC/MD	Ok
13	Q1782-01	VX045741.D	11 Apr 2025 15:04	JC/MD	Ok
14	Q1782-03	VX045742.D	11 Apr 2025 15:28	JC/MD	Ok
15	Q1782-05	VX045743.D	11 Apr 2025 15:51	JC/MD	Ok
16	Q1767-01	VX045744.D	11 Apr 2025 16:14	JC/MD	Not Ok
17	VX0411MBS01	VX045745.D	11 Apr 2025 16:37	JC/MD	Ok,M
18	Q1773-03DL	VX045746.D	11 Apr 2025 17:00	JC/MD	Ok
19	Q1773-01	VX045747.D	11 Apr 2025 17:23	JC/MD	Ok
20	Q1790-01	VX045748.D	11 Apr 2025 17:47	JC/MD	Not Ok
21	Q1790-04	VX045749.D	11 Apr 2025 18:10	JC/MD	Not Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX041125

Review By	John Carlone	Review On	4/14/2025 9:35:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/14/2025 3:43:21 PM		
SubDirectory	VX041125	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133640
Initial Calibration Stds	
CCC	VP133641,VP133642
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1790-06	VX045750.D	11 Apr 2025 18:33	JC/MD	Not Ok
23	IBLK	VX045751.D	11 Apr 2025 18:56	JC/MD	Ok
24	IBLK	VX045752.D	11 Apr 2025 19:19	JC/MD	Ok
25	VSTDCCC050	VX045753.D	11 Apr 2025 19:42	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX041425

Review By	Amit Patel	Review On	4/15/2025 2:25:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/15/2025 2:48:46 PM		
SubDirectory	VX041425	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133654
Initial Calibration Stds	
CCC	VP133655,VP133656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045754.D	14 Apr 2025 09:20	JC/MD	Ok
2	VSTDCCC050	VX045755.D	14 Apr 2025 09:50	JC/MD	Ok,M
3	VX0414MBL01	VX045756.D	14 Apr 2025 10:18	JC/MD	Ok
4	VX0414WBL01	VX045757.D	14 Apr 2025 10:41	JC/MD	Ok
5	VX0414MBS01	VX045758.D	14 Apr 2025 11:04	JC/MD	Ok,M
6	VX0414MBSD01	VX045759.D	14 Apr 2025 11:31	JC/MD	Ok,M
7	Q1790-01	VX045760.D	14 Apr 2025 11:55	JC/MD	Not Ok
8	Q1790-04	VX045761.D	14 Apr 2025 12:18	JC/MD	Ok
9	Q1790-06	VX045762.D	14 Apr 2025 12:41	JC/MD	Ok
10	VX0414WBS01	VX045763.D	14 Apr 2025 13:04	JC/MD	Ok,M
11	VX0414WBSD01	VX045764.D	14 Apr 2025 13:39	JC/MD	Ok,M
12	Q1767-01	VX045765.D	14 Apr 2025 14:02	JC/MD	Ok
13	Q1799-02	VX045766.D	14 Apr 2025 14:25	JC/MD	Ok
14	PB167573TB	VX045767.D	14 Apr 2025 14:48	JC/MD	Ok
15	Q1771-04	VX045768.D	14 Apr 2025 15:12	JC/MD	Ok
16	Q1771-08	VX045769.D	14 Apr 2025 15:35	JC/MD	Ok
17	Q1771-12	VX045770.D	14 Apr 2025 15:58	JC/MD	Ok
18	Q1779-04	VX045771.D	14 Apr 2025 16:21	JC/MD	Ok,M
19	Q1779-08	VX045772.D	14 Apr 2025 16:44	JC/MD	Ok
20	Q1781-04	VX045773.D	14 Apr 2025 17:08	JC/MD	Ok
21	Q1781-08	VX045774.D	14 Apr 2025 17:31	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX041425

Review By	Amit Patel	Review On	4/15/2025 2:25:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/15/2025 2:48:46 PM		
SubDirectory	VX041425	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133654
Initial Calibration Stds	
CCC	VP133655,VP133656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1781-12	VX045775.D	14 Apr 2025 17:54	JC/MD	Ok
23	Q1787-04	VX045776.D	14 Apr 2025 18:17	JC/MD	Not Ok
24	Q1787-08	VX045777.D	14 Apr 2025 18:40	JC/MD	Not Ok
25	Q1787-12	VX045778.D	14 Apr 2025 19:03	JC/MD	Ok
26	Q1788-04	VX045779.D	14 Apr 2025 19:26	JC/MD	Ok
27	Q1798-02	VX045780.D	14 Apr 2025 19:50	JC/MD	Dilution
28	Q1795-02	VX045781.D	14 Apr 2025 20:13	JC/MD	Not Ok
29	VSTDCCC050	VX045782.D	14 Apr 2025 20:36	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM				
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021655.D	27 Mar 2025 09:23	SY/MD	Ok
2	VSTDICC005	VY021656.D	27 Mar 2025 10:08	SY/MD	Ok,M
3	VSTDICC010	VY021657.D	27 Mar 2025 10:31	SY/MD	Ok,M
4	VSTDICC020	VY021658.D	27 Mar 2025 10:54	SY/MD	Ok,M
5	VSTDICCC050	VY021659.D	27 Mar 2025 11:16	SY/MD	Ok,M
6	VSTDICC100	VY021660.D	27 Mar 2025 11:39	SY/MD	Ok,M
7	VSTDICC150	VY021661.D	27 Mar 2025 12:02	SY/MD	Ok,M
8	VIBLK	VY021662.D	27 Mar 2025 12:35	SY/MD	Ok
9	VSTDICV050	VY021663.D	27 Mar 2025 13:15	SY/MD	Ok,M
10	VY0327SBL01	VY021664.D	27 Mar 2025 13:59	SY/MD	Ok
11	VY0327SBS01	VY021665.D	27 Mar 2025 14:38	SY/MD	Ok,M
12	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00	SY/MD	Ok,M
13	Q1661-02	VY021667.D	27 Mar 2025 15:24	SY/MD	Not Ok
14	Q1645-03RE	VY021668.D	27 Mar 2025 15:48	SY/MD	Confirms
15	Q1662-03	VY021669.D	27 Mar 2025 16:11	SY/MD	Not Ok
16	Q1662-07	VY021670.D	27 Mar 2025 16:35	SY/MD	ReRun
17	Q1661-02	VY021671.D	27 Mar 2025 16:58	SY/MD	Not Ok
18	Q1650-02	VY021672.D	27 Mar 2025 17:21	SY/MD	Not Ok
19	Q1654-01	VY021673.D	27 Mar 2025 17:45	SY/MD	Ok
20	Q1656-01	VY021674.D	27 Mar 2025 18:08	SY/MD	Not Ok
21	Q1648-09	VY021675.D	27 Mar 2025 18:32	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM				
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1648-07	VY021676.D	27 Mar 2025 18:55	SY/MD	Ok
23	Q1648-05	VY021677.D	27 Mar 2025 19:19	SY/MD	Ok
24	Q1648-01	VY021678.D	27 Mar 2025 19:42	SY/MD	Ok
25	Q1648-03	VY021679.D	27 Mar 2025 20:05	SY/MD	Ok
26	VSTDCCC050	VY021680.D	27 Mar 2025 20:28	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY041525

Review By	Mahesh Dadoda	Review On	4/16/2025 3:42:41 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:46:30 PM				
SubDirectory	VY041525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133660
Initial Calibration Stds	
CCC	VP133661,VP133662
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021881.D	15 Apr 2025 08:33	SY/MD	Ok
2	VSTDCCC050	VY021882.D	15 Apr 2025 09:03	SY/MD	Ok,M
3	VY0415SBL01	VY021883.D	15 Apr 2025 09:37	SY/MD	Ok
4	VY0415SBS01	VY021884.D	15 Apr 2025 10:08	SY/MD	Ok,M
5	VY0415SBSD01	VY021885.D	15 Apr 2025 10:31	SY/MD	Ok,M
6	Q1790-01	VY021886.D	15 Apr 2025 11:18	SY/MD	Ok
7	Q1792-01RE	VY021887.D	15 Apr 2025 11:42	SY/MD	Confirms
8	Q1785-03	VY021888.D	15 Apr 2025 12:05	SY/MD	Not Ok
9	Q1806-01	VY021889.D	15 Apr 2025 12:29	SY/MD	Ok
10	Q1807-01	VY021890.D	15 Apr 2025 12:52	SY/MD	Ok
11	Q1808-01	VY021891.D	15 Apr 2025 13:16	SY/MD	Ok
12	Q1808-03	VY021892.D	15 Apr 2025 13:39	SY/MD	Ok
13	Q1790-05	VY021893.D	15 Apr 2025 14:02	SY/MD	Ok
14	IBLK	VY021894.D	15 Apr 2025 14:26	SY/MD	Ok
15	Q1790-02MS	VY021895.D	15 Apr 2025 14:49	SY/MD	Ok,M
16	Q1790-03MSD	VY021896.D	15 Apr 2025 15:11	SY/MD	Ok,M
17	IBLK	VY021897.D	15 Apr 2025 15:35	SY/MD	Ok
18	VSTDCCC050	VY021898.D	15 Apr 2025 15:57	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040225

Review By	John Carlone	Review On	4/2/2025 9:42:46 AM		
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:39 PM		
SubDirectory	VX040225	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133559,VP133563
Initial Calibration Stds	VP133569,VP133570,VP133571,VP133572,VP133573,VP133574
CCC	VP133564,VP133565
Internal Standard/PEM	
ICV/I.BLK	VP133575
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045524.D	01 Apr 2025 16:15		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX045525.D	01 Apr 2025 17:06	%D failed for Comp. #53 in 01PPB	JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX045526.D	01 Apr 2025 17:29		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX045527.D	01 Apr 2025 17:52		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX045528.D	01 Apr 2025 18:15		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX045529.D	01 Apr 2025 18:38		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX045530.D	01 Apr 2025 19:02		JC/MD	Ok,M
8	IBLK	IBLK	VX045531.D	01 Apr 2025 19:25		JC/MD	Ok
9	VSTDICV050	ICVVX040225	VX045532.D	01 Apr 2025 19:48		JC/MD	Ok,M
10	BFB	BFB	VX045533.D	02 Apr 2025 09:30		JC/MD	Ok
11	VSTDCCC050	VSTDCCC050	VX045534.D	02 Apr 2025 10:02	pH#Lot#V12668	JC/MD	Ok,M
12	VX0402MBL01	VX0402MBL01	VX045535.D	02 Apr 2025 10:30		JC/MD	Ok
13	VX0402WBL01	VX0402WBL01	VX045536.D	02 Apr 2025 10:53		JC/MD	Ok
14	VX0402WBS01	VX0402WBS01	VX045537.D	02 Apr 2025 11:16		JC/MD	Ok,M
15	VX0402WBSD01	VX0402WBSD01	VX045538.D	02 Apr 2025 11:44		JC/MD	Ok,M
16	Q1697-01	MW-19B-72-040125	VX045539.D	02 Apr 2025 12:07	vial A pH<2 Need 200X	JC/MD	Dilution
17	Q1697-02	IW-01-55-040125	VX045540.D	02 Apr 2025 12:30	vial A pH<2 Need 10X	JC/MD	Dilution

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040225

Review By	John Carlone	Review On	4/2/2025 9:42:46 AM		
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:39 PM		
SubDirectory	VX040225	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133559,VP133563
Initial Calibration Stds	VP133569,VP133570,VP133571,VP133572,VP133573,VP133574
CCC	VP133564,VP133565
Internal Standard/PEM	
ICV/I.BLK	VP133575
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	IBLK	IBLK	VX045541.D	02 Apr 2025 12:54		JC/MD	Ok
19	Q1697-01DL	MW-19B-72-040125DL	VX045542.D	02 Apr 2025 13:21	vial B pH<2	JC/MD	Ok
20	Q1697-02DL	IW-01-55-040125DL	VX045543.D	02 Apr 2025 13:44	vial B pH<2	JC/MD	Ok
21	Q1697-03	IW-02-55-040125	VX045544.D	02 Apr 2025 14:07	Need lower dilution	JC/MD	Not Ok
22	Q1697-04	IW-02-55-040125-FD	VX045545.D	02 Apr 2025 14:31	Need lower dilution	JC/MD	Not Ok
23	Q1697-05	IW-03-55-040125	VX045546.D	02 Apr 2025 14:54	Need lower dilution	JC/MD	Not Ok
24	Q1697-07	MW-19B-72-040125	VX045547.D	02 Apr 2025 15:18	Not On Login	JC/MD	Not Ok
25	IBLK	IBLK	VX045548.D	02 Apr 2025 15:41		JC/MD	Ok
26	Q1697-03	IW-02-55-040125	VX045549.D	02 Apr 2025 16:04	vial A pH<2	JC/MD	Ok
27	Q1697-04	IW-02-55-040125-FD	VX045550.D	02 Apr 2025 16:27	vial A pH<2	JC/MD	Ok
28	Q1697-05	IW-03-55-040125	VX045551.D	02 Apr 2025 16:51	vial A pH<2	JC/MD	Ok
29	Q1697-06	TB-01-040125	VX045552.D	02 Apr 2025 17:14	vial A pH<2 TB;Hit of comp.#44	JC/MD	ReRun
30	Q1623-01	Storage-Blank-SOIL-RE	VX045553.D	02 Apr 2025 17:37	vial A pH<2	JC/MD	Ok
31	Q1623-02	Storage-Blank-WATER-	VX045554.D	02 Apr 2025 18:01	vial A pH<2	JC/MD	Ok
32	Q1623-03	Storage-Blank-WATER-	VX045555.D	02 Apr 2025 18:24	vial A pH<2	JC/MD	Ok
33	Q1623-04	Storage-Blank-SAMPLE	VX045556.D	02 Apr 2025 18:47	vial A pH<2	JC/MD	Ok
34	VSTDCCC050	VSTDCCC050EC	VX045557.D	02 Apr 2025 19:10		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX041125

Review By	John Carlone	Review On	4/14/2025 9:35:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/14/2025 3:43:21 PM		
SubDirectory	VX041125	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133640
Initial Calibration Stds	
CCC	VP133641,VP133642
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	VX045729.D	11 Apr 2025 10:14		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045730.D	11 Apr 2025 10:41	pH#Lot#V12668	JC/MD	Ok,M
3	VX0411MBL01	VX0411MBL01	VX045731.D	11 Apr 2025 11:09		JC/MD	Ok
4	VX0411WBL01	VX0411WBL01	VX045732.D	11 Apr 2025 11:32		JC/MD	Ok
5	VX0411WBS01	VX0411WBS01	VX045733.D	11 Apr 2025 11:55		JC/MD	Ok,M
6	VX0411WBSD01	VX0411WBSD01	VX045734.D	11 Apr 2025 12:22		JC/MD	Ok,M
7	Q1773-02	BP-TT190D2-GW-2025	VX045735.D	11 Apr 2025 12:45	vial A pH<2	JC/MD	Ok
8	Q1773-03	BP-TT190D1-GW-2025	VX045736.D	11 Apr 2025 13:08	vial A pH<2 Need 10X	JC/MD	Dilution
9	Q1773-01	BP-TB-20250407	VX045737.D	11 Apr 2025 13:32	vial A pH<2 TB;E flag of previous sample	JC/MD	ReRun
10	Q1790-17	EB01-041025	VX045738.D	11 Apr 2025 13:55	vial A pH<2 EB	JC/MD	Ok
11	Q1790-19	FB01-041025	VX045739.D	11 Apr 2025 14:18	vial A pH<2 FB	JC/MD	Ok
12	Q1782-09	TRIP BLANK	VX045740.D	11 Apr 2025 14:41	vial A pH<2 TB	JC/MD	Ok
13	Q1782-01	MW-1	VX045741.D	11 Apr 2025 15:04	vial A pH<2	JC/MD	Ok
14	Q1782-03	MW-2	VX045742.D	11 Apr 2025 15:28	vial A pH<2	JC/MD	Ok
15	Q1782-05	MW-3	VX045743.D	11 Apr 2025 15:51	vial A pH<2	JC/MD	Ok
16	Q1767-01	NWB-2152	VX045744.D	11 Apr 2025 16:14	run @10x	JC/MD	Not Ok
17	VX0411MBS01	VX0411MBS01	VX045745.D	11 Apr 2025 16:37		JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX041125

Review By	John Carlone	Review On	4/14/2025 9:35:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/14/2025 3:43:21 PM		
SubDirectory	VX041125	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133640
Initial Calibration Stds	
CCC	VP133641,VP133642
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1773-03DL	BP-TT190D1-GW-2025	VX045746.D	11 Apr 2025 17:00	vial B pH<2	JC/MD	Ok
19	Q1773-01	BP-TB-20250407	VX045747.D	11 Apr 2025 17:23	vial B pH<2 TB	JC/MD	Ok
20	Q1790-01	S-872-G1-SO-20.0-20.5	VX045748.D	11 Apr 2025 17:47	run st. MEOH	JC/MD	Not Ok
21	Q1790-04	S-871-G1-SO-23.0-23.5	VX045749.D	11 Apr 2025 18:10	run st. MEOH	JC/MD	Not Ok
22	Q1790-06	S-870-G1-SO-22.0-22.5	VX045750.D	11 Apr 2025 18:33	run st. MEOH	JC/MD	Not Ok
23	IBLK	IBLK	VX045751.D	11 Apr 2025 18:56		JC/MD	Ok
24	IBLK	IBLK	VX045752.D	11 Apr 2025 19:19		JC/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VX045753.D	11 Apr 2025 19:42		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX041425

Review By	Amit Patel	Review On	4/15/2025 2:25:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/15/2025 2:48:46 PM		
SubDirectory	VX041425	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133654
Initial Calibration Stds	
CCC	VP133655,VP133656
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	VX045754.D	14 Apr 2025 09:20		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045755.D	14 Apr 2025 09:50	pH#Lot#V12668	JC/MD	Ok,M
3	VX0414MBL01	VX0414MBL01	VX045756.D	14 Apr 2025 10:18		JC/MD	Ok
4	VX0414WBL01	VX0414WBL01	VX045757.D	14 Apr 2025 10:41		JC/MD	Ok
5	VX0414MBS01	VX0414MBS01	VX045758.D	14 Apr 2025 11:04		JC/MD	Ok,M
6	VX0414MBSD01	VX0414MBSD01	VX045759.D	14 Apr 2025 11:31		JC/MD	Ok,M
7	Q1790-01	S-872-G1-SO-20.0-20.5	VX045760.D	14 Apr 2025 11:55	Run soil	JC/MD	Not Ok
8	Q1790-04	S-871-G1-SO-23.0-23.5	VX045761.D	14 Apr 2025 12:18		JC/MD	Ok
9	Q1790-06	S-870-G1-SO-22.0-22.5	VX045762.D	14 Apr 2025 12:41		JC/MD	Ok
10	VX0414WBS01	VX0414WBS01	VX045763.D	14 Apr 2025 13:04		JC/MD	Ok,M
11	VX0414WBSD01	VX0414WBSD01	VX045764.D	14 Apr 2025 13:39		JC/MD	Ok,M
12	Q1767-01	NWB-2152	VX045765.D	14 Apr 2025 14:02	vial A pH#1.0	JC/MD	Ok
13	Q1799-02	FRAC-TANK-216-PPR	VX045766.D	14 Apr 2025 14:25	vial A pH#1.0	JC/MD	Ok
14	PB167573TB	PB167573TB	VX045767.D	14 Apr 2025 14:48		JC/MD	Ok
15	Q1771-04	TP-6C	VX045768.D	14 Apr 2025 15:12	vial A pH#5.0	JC/MD	Ok
16	Q1771-08	TP-7C	VX045769.D	14 Apr 2025 15:35	vial A pH#5.0	JC/MD	Ok
17	Q1771-12	TP-3A	VX045770.D	14 Apr 2025 15:58	vial A pH#5.0	JC/MD	Ok
18	Q1779-04	TP-22	VX045771.D	14 Apr 2025 16:21	vial A pH#5.0	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX041425

Review By	Amit Patel	Review On	4/15/2025 2:25:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/15/2025 2:48:46 PM		
SubDirectory	VX041425	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133654
Initial Calibration Stds	
CCC	VP133655,VP133656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1779-08	TP-23	VX045772.D	14 Apr 2025 16:44	vial A pH#5.0	JC/MD	Ok
20	Q1781-04	WC-13	VX045773.D	14 Apr 2025 17:08	vial A pH#5.0	JC/MD	Ok
21	Q1781-08	WC-12	VX045774.D	14 Apr 2025 17:31	vial A pH#5.0	JC/MD	Ok
22	Q1781-12	WC-11	VX045775.D	14 Apr 2025 17:54	vial A pH#5.0	JC/MD	Ok
23	Q1787-04	TP-5C	VX045776.D	14 Apr 2025 18:17	Not on Login	JC/MD	Not Ok
24	Q1787-08	TP-2C	VX045777.D	14 Apr 2025 18:40	Not on Login	JC/MD	Not Ok
25	Q1787-12	TP-1	VX045778.D	14 Apr 2025 19:03	vial A pH#5.0	JC/MD	Ok
26	Q1788-04	WC-1	VX045779.D	14 Apr 2025 19:26	vial A pH#5.0	JC/MD	Ok
27	Q1798-02	TOTE(COMP)-1799	VX045780.D	14 Apr 2025 19:50	vial A pH#1.0 Need 250X	JC/MD	Dilution
28	Q1795-02	31125	VX045781.D	14 Apr 2025 20:13	Run @ 10x	JC/MD	Not Ok
29	VSTDCCC050	VSTDCCC050EC	VX045782.D	14 Apr 2025 20:36		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021655.D	27 Mar 2025 09:23		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021656.D	27 Mar 2025 10:08		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021657.D	27 Mar 2025 10:31		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021658.D	27 Mar 2025 10:54	Comp.#20 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021659.D	27 Mar 2025 11:16		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021660.D	27 Mar 2025 11:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021661.D	27 Mar 2025 12:02		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021662.D	27 Mar 2025 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY032725	VY021663.D	27 Mar 2025 13:15		SY/MD	Ok,M
10	VY0327SBL01	VY0327SBL01	VY021664.D	27 Mar 2025 13:59		SY/MD	Ok
11	VY0327SBS01	VY0327SBS01	VY021665.D	27 Mar 2025 14:38		SY/MD	Ok,M
12	VY0327SBSD01	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00		SY/MD	Ok,M
13	Q1661-02	351	VY021667.D	27 Mar 2025 15:24	vial-B Not purge	SY/MD	Not Ok
14	Q1645-03RE	TP-4-VOCRE	VY021668.D	27 Mar 2025 15:48	vial-B Internal Standard Fail	SY/MD	Confirms
15	Q1662-03	TP-6-VOC	VY021669.D	27 Mar 2025 16:11	vial-A NOT PURGE	SY/MD	Not Ok
16	Q1662-07	TP-7-VOC	VY021670.D	27 Mar 2025 16:35	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q1661-02	351	VY021671.D	27 Mar 2025 16:58	vial-A NOT PURGE	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1650-02	STOCK-PILE-BIN2	VY021672.D	27 Mar 2025 17:21	vial-A NOT PURGE	SY/MD	Not Ok
19	Q1654-01	RT3407	VY021673.D	27 Mar 2025 17:45	vial-A Internal Standard Fail	SY/MD	Ok
20	Q1656-01	VNJ239	VY021674.D	27 Mar 2025 18:08	vial-A NOT PURGE	SY/MD	Not Ok
21	Q1648-09	TP-7	VY021675.D	27 Mar 2025 18:32	vial-A	SY/MD	Ok
22	Q1648-07	TP-6	VY021676.D	27 Mar 2025 18:55	vial-A	SY/MD	Ok
23	Q1648-05	TP-3	VY021677.D	27 Mar 2025 19:19	vial-A	SY/MD	Ok
24	Q1648-01	TP-4	VY021678.D	27 Mar 2025 19:42	vial-A	SY/MD	Ok
25	Q1648-03	TP-5	VY021679.D	27 Mar 2025 20:05	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY021680.D	27 Mar 2025 20:28		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY041525

Review By	Mahesh Dadoda	Review On	4/16/2025 3:42:41 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:46:30 PM		
SubDirectory	VY041525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133660
Initial Calibration Stds	
CCC	VP133661,VP133662
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021881.D	15 Apr 2025 08:33		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021882.D	15 Apr 2025 09:03		SY/MD	Ok,M
3	VY0415SBL01	VY0415SBL01	VY021883.D	15 Apr 2025 09:37		SY/MD	Ok
4	VY0415SBS01	VY0415SBS01	VY021884.D	15 Apr 2025 10:08		SY/MD	Ok,M
5	VY0415SBSD01	VY0415SBSD01	VY021885.D	15 Apr 2025 10:31		SY/MD	Ok,M
6	Q1790-01	S-872-G1-SO-20.0-20.5	VY021886.D	15 Apr 2025 11:18	vial-A	SY/MD	Ok
7	Q1792-01RE	TR-05-041125RE	VY021887.D	15 Apr 2025 11:42	vial-B Internal Standard Fail	SY/MD	Confirms
8	Q1785-03	HR-03-041125	VY021888.D	15 Apr 2025 12:05	vial-B Not purge	SY/MD	Not Ok
9	Q1806-01	OR-03-041425	VY021889.D	15 Apr 2025 12:29	vial-A	SY/MD	Ok
10	Q1807-01	OK-02-041425	VY021890.D	15 Apr 2025 12:52	vial-A	SY/MD	Ok
11	Q1808-01	OILY-SOIL-PILE	VY021891.D	15 Apr 2025 13:16	vial-A	SY/MD	Ok
12	Q1808-03	LAW-25-0060	VY021892.D	15 Apr 2025 13:39	vial-A	SY/MD	Ok
13	Q1790-05	S-872-G1-SO-20.0-20.5	VY021893.D	15 Apr 2025 14:02	vial-A	SY/MD	Ok
14	IBLK	TP-15-VOC	VY021894.D	15 Apr 2025 14:26		SY/MD	Ok
15	Q1790-02MS	S-872-G1-SO-20.0-20.5	VY021895.D	15 Apr 2025 14:49	vial-A	SY/MD	Ok,M
16	Q1790-03MSD	S-872-G1-SO-20.0-20.5	VY021896.D	15 Apr 2025 15:11	vial-A Internal Standard Fail	SY/MD	Ok,M
17	IBLK	IBLK	VY021897.D	15 Apr 2025 15:35		SY/MD	Ok
18	VSTDCCC050	VSTDCCC050EC	VY021898.D	15 Apr 2025 15:57		SY/MD	Ok,M

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 # VY041525

Review By	Mahesh Dadoda	Review On	4/16/2025 3:42:41 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:46:30 PM		
SubDirectory	VY041525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133660
Initial Calibration Stds	
CCC	VP133661,VP133662
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/14/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 04/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135394

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
Q1775-01	SS050P-SD43-040725-00	1	1.15	10.35	11.5	6.12	48.0	
Q1775-02	SS050P-SD42-040725-00	2	1.15	10.18	11.33	7.22	59.6	
Q1775-03	SS050P-SD41-040725-00	3	1.15	10.12	11.27	6.88	56.6	
Q1775-04	SS050P-SD40-040725-00	4	1.16	11.92	13.08	7.03	49.2	
Q1775-05	SS050P-SD39-040725-00	5	1.15	10.21	11.36	7.69	64.1	
Q1775-06	SS050P-SD38-040725-00	6	1.16	11.21	12.37	9.22	71.9	
Q1775-07	SS050P-SD37-040725-00	7	1.18	10.39	11.57	9.76	82.6	
Q1775-08	SS050P-SD36-040725-00	8	1.17	10.91	12.08	10.12	82.0	
Q1775-09	SS050P-SD35-040725-00	9	1.13	10.62	11.75	8.47	69.1	
Q1775-10	SS050P-SD34-040725-00	10	1.13	10.92	12.05	7.16	55.2	
Q1775-11	SS050P-SD33-040725-00	11	1.15	11.04	12.19	7.26	55.3	
Q1775-12	SS050P-SD27-040725-00	12	1.16	10.05	11.21	7.65	64.6	
Q1775-13	SS050P-SD28-040725-00	13	1.13	10.98	12.11	10.09	81.6	
Q1775-14	SS050P-SD30-040725-00	14	1.14	10.00	11.14	9.25	81.1	
Q1775-15	SS050P-SD31-040725-00	15	1.16	10.21	11.37	9.24	79.1	
Q1777-01	AT054P-SD41-040825-00	43	1.14	10.53	11.67	7.93	64.5	
Q1777-02	AT054P-SD40-040825-00	44	1.17	11.23	12.4	3.39	19.8	
Q1777-03	AT054P-SD39-040825-00	45	1.19	10.50	11.69	6.4	49.6	
Q1777-04	AT054P-SD38-040825-00	46	1.14	10.26	11.4	7.27	59.7	
Q1777-05	AT054P-SD42-040825-00	47	1.14	10.53	11.67	4.8	34.8	
Q1777-06	SS050P-SD20-040825-00	48	1.19	10.09	11.28	8.92	76.6	
Q1777-07	SS050P-SD26-040825-00	49	1.15	10.08	11.23	6.87	56.7	
Q1777-08	SS050P-SD08-040825-00	50	1.16	10.29	11.45	9.34	79.5	
Q1777-09	SS050P-SD07-040825-00	51	1.16	10.23	11.39	9.57	82.2	
Q1777-10	SS050P-SD06-040825-00	52	1.19	10.57	11.76	10.13	84.6	
Q1777-11	SS057P-SD06-040825-00	53	1.16	12.65	13.81	7.38	49.2	
Q1777-12	SS057P-SD05-040825-00	54	1.14	11.16	12.3	9.00	70.4	
Q1778-01	AT016P-SD03-040825-00	67	1.17	10.53	11.7	9.93	83.2	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/14/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 04/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135394

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
Q1778-02	AT016P-SD09-040825-00	68	1.18	10.15	11.33	8.93	76.4	
Q1778-03	AT016P-SD10-040825-00	69	1.14	10.73	11.87	4.34	29.8	
Q1778-04	SS091P-SD06-040825-00	70	1.14	10.78	11.92	9.59	78.4	
Q1778-05	AT016P-SD07-040825-00	71	1.15	10.99	12.14	10.09	81.3	
Q1778-06	AT016P-SD08-040825-00	72	1.19	10.03	11.22	8.28	70.7	
Q1778-07	AT014P-SD16-040825-00	73	1.17	11.51	12.68	10.38	80.0	
Q1778-08	AT014P-SD17-040825-00	74	1.17	10.41	11.58	9.62	81.2	
Q1778-09	AT014P-SD18-040825-00	75	1.13	10.45	11.58	10.69	91.5	
Q1778-10	AT014P-SD19-040825-00	76	1.17	10.83	12.00	11.58	96.1	
Q1778-11	AT014P-SD21-040825-00	77	1.16	10.98	12.14	7.93	61.7	
Q1778-12	AT014P-SD20-040825-00	78	1.14	10.19	11.33	8.68	74.0	
Q1778-13	AT014P-SD15-040825-00	79	1.14	11.76	12.9	11.79	90.6	
Q1778-14	AT014P-SD22-040825-00	80	1.16	10.07	11.23	8.83	76.2	
Q1778-15	AT014P-SD23-040825-00	81	1.18	10.52	11.7	8.26	67.3	
Q1778-16	AT016P-SD12-040825-00	82	1.16	11.23	12.39	10.1	79.6	
Q1778-17	AT016P-SD11-040925-00	83	1.16	11.83	12.99	3.24	17.6	
Q1783-01	SU-03-41125	22	1.15	10.03	11.18	10.16	89.8	
Q1783-02	SU-03-41125-E2	23	1.18	10.22	11.4	10.36	89.8	
Q1784-01	OR-01-41125	24	1.19	10.07	11.26	10.5	92.5	
Q1784-02	OR-01-41125	25	1.18	10.39	11.57	10.72	91.8	
Q1785-01	HR-02-041125	26	1.19	10.43	11.62	10.92	93.3	
Q1785-02	HR-02-041125-E2	27	1.19	10.16	11.35	10.69	93.5	
Q1785-03	HR-03-041125	28	1.18	10.27	11.45	10.91	94.7	
Q1785-04	HR-03-041125-E2	29	1.18	10.51	11.69	11.11	94.5	
Q1786-01	41 MORRIS AVE-NEWARK	30	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1787-01	TP-5C	31	1.14	10.46	11.6	11.01	94.4	
Q1787-02	TP-5C-EPH	32	1.14	9.88	11.02	10.46	94.3	
Q1787-03	TP-5C-VOC	33	1.19	10.50	11.69	10.97	93.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/14/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 04/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135394

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
Q1787-05	TP-2C	34	1.15	10.83	11.98	10.48	86.1	
Q1787-06	TP-2C-EPH	35	1.13	10.64	11.77	10.19	85.2	
Q1787-07	TP-2C-VOC	36	1.17	10.10	11.27	9.69	84.4	
Q1787-09	TP-1	37	1.18	10.51	11.69	9.96	83.5	
Q1787-10	TP-1-EPH	38	1.15	10.89	12.04	10.39	84.8	
Q1787-11	TP-1-VOC	39	1.19	10.39	11.58	9.94	84.2	
Q1788-01	WC-1	40	1.19	10.23	11.42	9.84	84.6	
Q1788-02	WC-1-EPH	41	1.18	10.59	11.77	10.06	83.9	
Q1788-03	WC-1-VOC	42	1.18	10.07	11.25	10.21	89.7	
Q1790-01	S-872-GI-SO-20.0-20.5-041025	16	1.13	7.66	8.79	6.96	76.1	
Q1790-02	Q1790-01MS	17	1.13	7.66	8.79	6.96	76.1	
Q1790-03	Q1790-01MSD	18	1.13	7.66	8.79	6.96	76.1	
Q1790-04	S-871-GI-SO-23.0-23.5-041025	19	1.14	6.87	8.01	6.38	76.3	
Q1790-05	S-871-GI-SO-23.0-23.5-041025-FD	20	1.12	6.87	7.99	6.36	76.3	
Q1790-06	S-870-GI-SO-22.0-22.5-041025	21	1.13	5.95	7.08	5.28	69.7	
Q1791-07	290502	84	1.13	11.29	12.42	4.74	32.0	sludge sample
Q1792-01	TR-05-041125	55	1.19	10.51	11.7	10.64	89.9	
Q1792-02	TR-05-041125-E2	56	1.14	10.12	11.26	10.23	89.8	
Q1793-05	SVOC-GPC-BLANK	57	1.00	1.00	2.00	2.00	100.0	
Q1793-06	PEST-GPC-BLANK	58	1.00	1.00	2.00	2.00	100.0	
Q1793-07	PEST-GPC-BLANK-SPIKE	59	1.00	1.00	2.00	2.00	100.0	
Q1793-08	PCB-GPC-BLANK	60	1.00	1.00	2.00	2.00	100.0	
Q1793-09	PCB-GPC-BLANK-SPIKE	61	1.00	1.00	2.00	2.00	100.0	
Q1793-10	SVOC-GPC2-BLANK	62	1.00	1.00	2.00	2.00	100.0	
Q1793-11	PEST-GPC2-BLANK	63	1.00	1.00	2.00	2.00	100.0	
Q1793-12	PEST-GPC2-BLANK-SPIKE	64	1.00	1.00	2.00	2.00	100.0	
Q1793-13	PCB-GPC2-BLANK	65	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/14/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 04/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135394

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
Q1793-14	PCB-GPC2-BLANK-SPIKE	66	1.00	1.00	2.00	2.00	100.0	
Q1794-01	40325-C-G-COMP	85	1.12	10.03	11.15	8.63	74.9	
Q1795-01	40425	86	1.13	11.77	12.9	10.6	80.5	
Q1796-01	SEAL-POT(PIPE)-40325	87	1.00	1.00	2.00	2.00	100.0	wipe sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-041125 **WorkList ID :** 188871 **Department :** Wet-Chemistry **Date :** 04-11-2025 08:24:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1775-01	SS050P-SD43-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-02	SS050P-SD42-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-03	SS050P-SD41-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-04	SS050P-SD40-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-05	SS050P-SD39-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-06	SS050P-SD38-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-07	SS050P-SD37-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-08	SS050P-SD36-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-09	SS050P-SD35-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-10	SS050P-SD34-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-11	SS050P-SD33-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-12	SS050P-SD27-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-13	SS050P-SD28-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-14	SS050P-SD30-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1775-15	SS050P-SD31-040725-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1777-01	AT054P-SD41-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/07/2025	Chemtech -SO
Q1777-02	AT054P-SD40-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1777-03	AT054P-SD39-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1777-04	AT054P-SD38-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1777-05	AT054P-SD42-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1777-06	SS050P-SD20-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO

Date/Time 04-11-25 15:00

Raw Sample Received by: JR (ecd)

Raw Sample Relinquished by: JW SM

Date/Time 04-11-25 17:35

Raw Sample Received by: JW SM

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-041125 **WorkList ID :** 188871 **Department :** Wet-Chemistry **Date :** 04-11-2025 08:24:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1777-07	SS050P-SD26-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1777-08	SS050P-SD08-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1777-09	SS050P-SD07-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1777-10	SS050P-SD06-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1777-11	SS057P-SD06-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1777-12	SS057P-SD05-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-01	AT016P-SD03-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-02	AT016P-SD09-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-03	AT016P-SD10-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-04	SS091P-SD06-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-05	AT016P-SD07-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-06	AT016P-SD08-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-07	AT014P-SD16-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-08	AT014P-SD17-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-09	AT014P-SD18-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-10	AT014P-SD19-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-11	AT014P-SD21-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-12	AT014P-SD20-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-13	AT014P-SD15-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-14	AT014P-SD22-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-15	AT014P-SD23-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO

Date/Time 04-11-25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04-11-25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB135394 ~~VB135394~~

WorkList Name : %1-041125 **WorkList ID :** 188871 **Department :** Wet-Chemistry **Date :** 04-11-2025 08:24:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1778-16	AT016P-SD12-040825-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/08/2025	Chemtech -SO
Q1778-17	AT016P-SD11-040925-00	Solid	Percent Solids	Cool 4 deg C	WEST04	F11	04/09/2025	Chemtech -SO
Q1783-01	SU-03-41125	Solid	Percent Solids	Cool 4 deg C	PSEG05	K11	04/11/2025	Chemtech -SO
Q1783-02	SU-03-41125-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K11	04/11/2025	Chemtech -SO
Q1784-01	OR-01-41125	Solid	Percent Solids	Cool 4 deg C	PSEG05	K11	04/11/2025	Chemtech -SO
Q1784-02	OR-01-41125	Solid	Percent Solids	Cool 4 deg C	PSEG05	K11	04/11/2025	Chemtech -SO
Q1785-01	HR-02-041125	Solid	Percent Solids	Cool 4 deg C	PSEG05	K11	04/11/2025	Chemtech -SO
Q1785-02	HR-02-041125-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K11	04/11/2025	Chemtech -SO
Q1785-03	HR-03-041125	Solid	Percent Solids	Cool 4 deg C	PSEG05	K11	04/11/2025	Chemtech -SO
Q1785-04	HR-03-041125-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K11	04/11/2025	Chemtech -SO
Q1786-01	41 MORRIS AVE-NEWARK	Solid	Percent Solids	Cool 4 deg C	PSEG05	K11	04/11/2025	Chemtech -SO
Q1787-01	TP-5C	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	04/11/2025	Chemtech -SO
Q1787-02	TP-5C-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/10/2025	Chemtech -SO
Q1787-03	TP-5C-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/10/2025	Chemtech -SO
Q1787-05	TP-2C	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/10/2025	Chemtech -SO
Q1787-06	TP-2C-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/10/2025	Chemtech -SO
Q1787-07	TP-2C-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/10/2025	Chemtech -SO
Q1787-09	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/10/2025	Chemtech -SO
Q1787-10	TP-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/10/2025	Chemtech -SO
Q1787-11	TP-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/10/2025	Chemtech -SO
Q1788-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/11/2025	Chemtech -SO

Date/Time 04-11-25 15:00

Raw Sample Received by: JR WW

Raw Sample Relinquished by: AM GM

Date/Time 04-11-25 17:35

Raw Sample Received by: AM GM

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

UB B3594
TO UB135394

WorkList Name : %1-041125 **WorkList ID :** 188871 **Department :** Wet-Chemistry **Date :** 04-11-2025 08:24:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1788-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/11/2025	Chemtech -SO
Q1788-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/11/2025	Chemtech -SO
Q1790-01	S-872-GI-SO-20.0-20.5-041025	Solid	Percent Solids	Cool 4 deg C	JACO05	L31	04/10/2025	Chemtech -SO
Q1790-02	Q1790-01MS	Solid	Percent Solids	Cool 4 deg C	JACO05	L31	04/10/2025	Chemtech -SO
Q1790-03	Q1790-01MSD	Solid	Percent Solids	Cool 4 deg C	JACO05	L31	04/10/2025	Chemtech -SO
Q1790-04	S-871-GI-SO-23.0-23.5-041025	Solid	Percent Solids	Cool 4 deg C	JACO05	L31	04/10/2025	Chemtech -SO
Q1790-05	S-871-GI-SO-23.0-23.5-041025	Solid	Percent Solids	Cool 4 deg C	JACO05	L31	04/10/2025	Chemtech -SO
Q1790-06	S-870-GI-SO-22.0-22.5-041025	Solid	Percent Solids	Cool 4 deg C	JACO05	L31	04/10/2025	Chemtech -SO
Q1791-07	290502	Solid	Percent Solids	Cool 4 deg C	JACO05	L31	04/10/2025	Chemtech -SO
Q1792-01	TR-05-041125	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/11/2025	Chemtech -SO
Q1792-02	TR-05-041125-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/11/2025	Chemtech -SO
Q1793-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/11/2025	Chemtech -SO
Q1793-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	04/11/2025	Chemtech -SO
Q1793-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	04/11/2025	Chemtech -SO
Q1793-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	04/11/2025	Chemtech -SO
Q1793-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	04/11/2025	Chemtech -SO
Q1793-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	04/11/2025	Chemtech -SO
Q1793-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	04/11/2025	Chemtech -SO
Q1793-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	04/11/2025	Chemtech -SO
Q1793-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	04/11/2025	Chemtech -SO
Q1793-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	04/11/2025	Chemtech -SO

Date/Time 04.11.25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04.11.25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-041125 **WorkList ID :** 188871 **Department :** Wet-Chemistry **Date :** 04-11-2025 08:24:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1794-01	40325-C-G-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/11/2025	Chemtech -SO
Q1795-01	40425	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/11/2025	Chemtech -SO
Q1796-01	SEAL-POT(PIPE)-40325	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/11/2025	Chemtech -SO

Date/Time 04-11-25 1510

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04-11-25 1715

Raw Sample Received by:

Raw Sample Relinquished by:

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

Prep Standard - Chemical Standard Summary

Order ID : Q1790

Test : VOCMS Group4

Prepbatch ID :

Sequence ID/Qc Batch ID: vx041125,VX041425,VY041525,

Standard ID :
VP131746,VP131767,VP131783,VP132035,VP132036,VP132096,VP132098,VP133174,VP133175,VP133342,VP133343,VP133544,VP133545,VP133640,VP133641,VP133642,VP133654,VP133655,VP133656,VP133660,VP133661,VP133662,

Chemical ID :
V13391,V13457,V13460,V13465,V13466,V13706,V14154,V14289,V14431,V14435,V14501,V14502,V14523,V14524,V14613,V14614,V14615,V14630,V14631,V14632,V14633,V14719,V14720,V14726,V14744,V14753,V14804,V14805,V14842,V14883,V14896,V14897,V14898,V14899,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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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	VP131783	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.02000ml of V14289 + 9.98000ml of V14154 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1811	8260 Working Std(2-CVE)-500ppm	VP132036	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 7.50000ml of V14614 + 12.50000ml of VP132035 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

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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	VP132098	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.25000ml of V13466 + 23.75000ml of V14614 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP133174	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V13706 + 24.60000ml of V14613 = 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	VP133175	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.10000ml of V13706 + 24.90000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133342	03/18/2025	04/17/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/20/2025

FROM 1.00000ml of V14896 + 1.00000ml of V14897 + 1.00000ml of V14898 + 1.00000ml of V14899 + 21.00000ml of V14883 = 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	VP133343	03/18/2025	04/17/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/20/2025

FROM 5.62500ml of V14883 + 9.37500ml of VP133342 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133544	04/01/2025	05/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/03/2025

FROM 0.40000ml of V14842 + 1.00000ml of V14431 + 1.00000ml of V14435 + 1.00000ml of V14501 + 1.00000ml of V14502 + 1.00000ml of V14523 + 1.00000ml of V14524 + 1.00000ml of V14726 + 1.00000ml of V14744 + 1.00000ml of V14753 + 1.00000ml of V14804 + 1.00000ml of V14805 + 1.50000ml of V14719 + 1.50000ml of V14720 + 10.60000ml of V14615 = 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	VP133545	04/01/2025	05/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/03/2025

FROM 5.62500ml of V14615 + 9.37500ml of VP133544 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133640	04/11/2025	04/12/2025	John Carlone	None	None	Mahesh Dadoda 04/15/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = 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	VP133641	04/11/2025	04/12/2025	John Carlone	None	None	Mahesh Dadoda 04/15/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133342 + 0.01250ml of VP133544 = 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	VP133642	04/11/2025	04/12/2025	John Carlone	None	None	Mahesh Dadoda 04/15/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133342 + 0.01250ml of VP133544 = 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
589	BFB TUNE CHECK	VP133654	04/14/2025	04/15/2025	John Carlone	None	None	Mahesh Dadoda 04/17/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133655	04/14/2025	04/15/2025	John Carlone	None	None	Mahesh Dadoda 04/17/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133342 + 0.01250ml of VP133544 = 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	VP133656	04/14/2025	04/15/2025	John Carlone	None	None	Mahesh Dadoda 04/17/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133342 + 0.01250ml of VP133544 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP133660	04/15/2025	04/16/2025	Amit Patel	None	None	Mahesh Dadoda 04/17/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = 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	VP133661	04/15/2025	04/16/2025	Amit Patel	None	None	Mahesh Dadoda 04/17/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133343 + 0.00250ml of VP133545 + 0.00500ml of VP131783 = 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	VP133662	04/15/2025	04/16/2025	Amit Patel	None	None	Mahesh Dadoda 04/17/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133343 + 0.00250ml of VP133545 + 0.00500ml of VP131783 = 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	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14431

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14435

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	09/20/2025	03/20/2025 / SAM	09/17/2024 / SAM	V14501

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	09/20/2025	03/20/2025 / SAM	09/17/2024 / SAM	V14502

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	09/20/2025	03/20/2025 / SAM	09/18/2024 / SAM	V14523

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	09/20/2025	03/20/2025 / SAM	09/18/2024 / SAM	V14524

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	09/19/2025	03/19/2025 / SAM	11/26/2024 / SAM	V14615

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	09/20/2025	03/20/2025 / SAM	12/17/2024 / SAM	V14719

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	09/20/2025	03/20/2025 / SAM	12/17/2024 / SAM	V14720

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/30/2025	01/30/2025 / SAM	12/17/2024 / SAM	V14726

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 #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	08/27/2025	02/27/2025 / SAM	12/17/2024 / SAM	V14744

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	07/30/2025	01/30/2025 / SAM	12/17/2024 / SAM	V14753

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	09/20/2025	03/20/2025 / SAM	01/08/2025 / SAM	V14804

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	09/20/2025	03/20/2025 / SAM	01/08/2025 / SAM	V14805

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	08/27/2025	02/27/2025 / SAM	01/21/2025 / SAM	V14842

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	10/25/2025	02/19/2025 / Jaswal	04/22/2024 / Jaswal	V14883

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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.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14896

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14897

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14898

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	031725	04/17/2025	03/18/2025 / SAM	03/18/2025 / SAM	V14899

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

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Methanol
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For Purge and Trap Analysis

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James Ethier
Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By:	Prashant Chauhan	021624	DATE
Reviewed By:	Pedro L. Rentas	021624	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

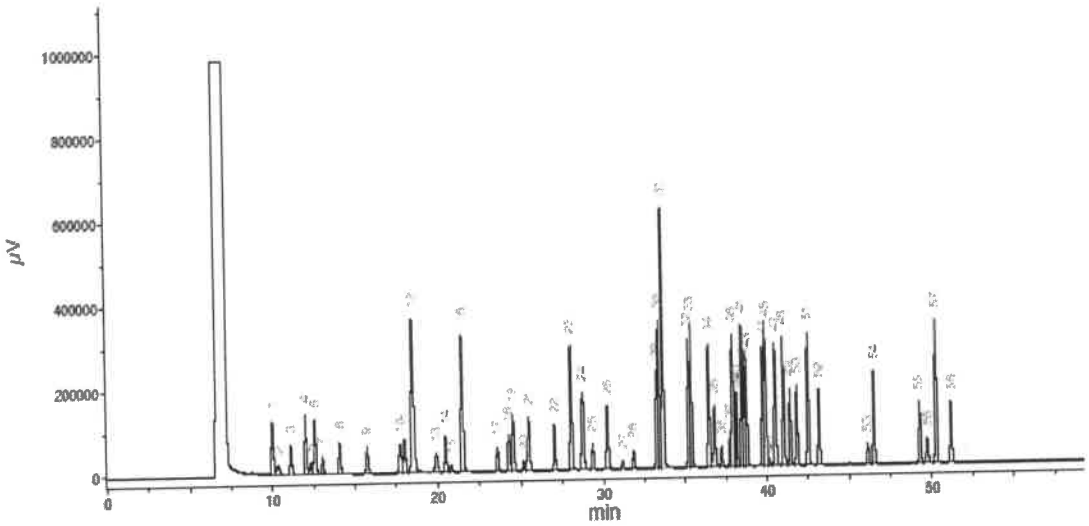
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR6561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 846mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

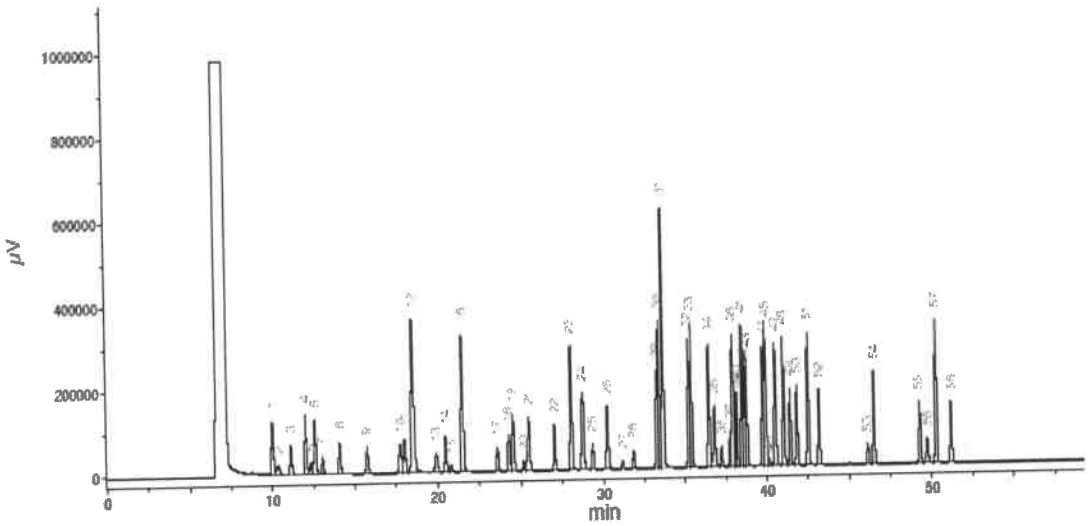
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 846mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.39
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

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Hamden, CT 06518-0585

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Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Exp 03/18/24

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water Lot# 072324Q

5 vials

V14895 to V14899

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

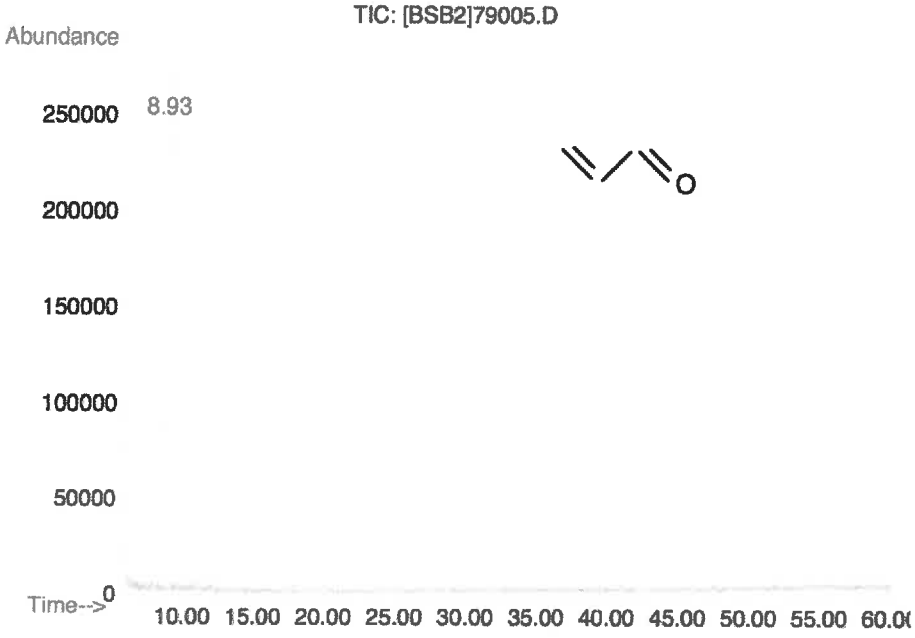
Weight(s) shown below were combined and diluted to (mL): 10.0

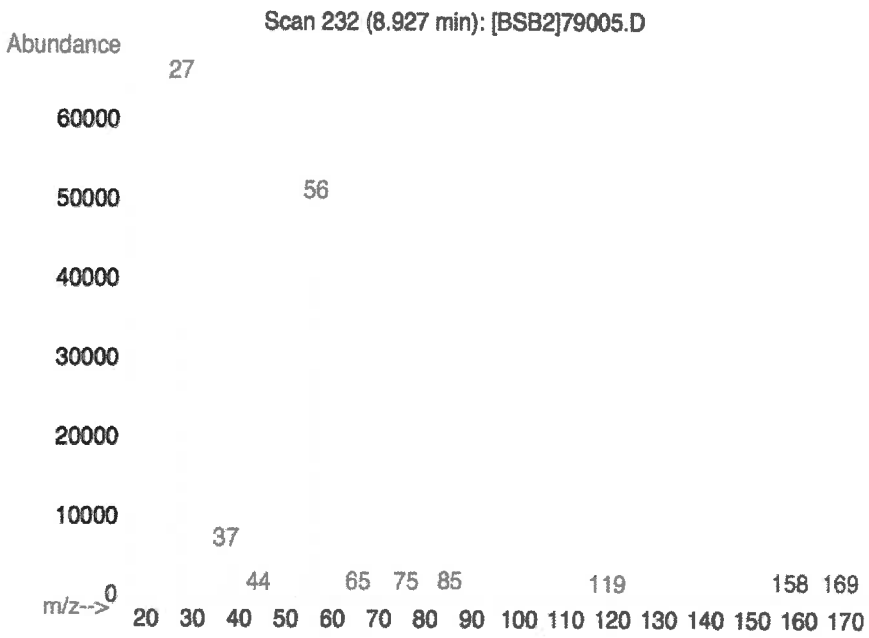
Formulated By: Lawrence Barry 031725 DATE

Reviewed By: Pedro L. Rentas 031725 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	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are 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 WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water CAS#: 7732-18-5 TWA: 500 ppm

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	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Exp 03/18/24

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

5 vials
V14895 to V14899

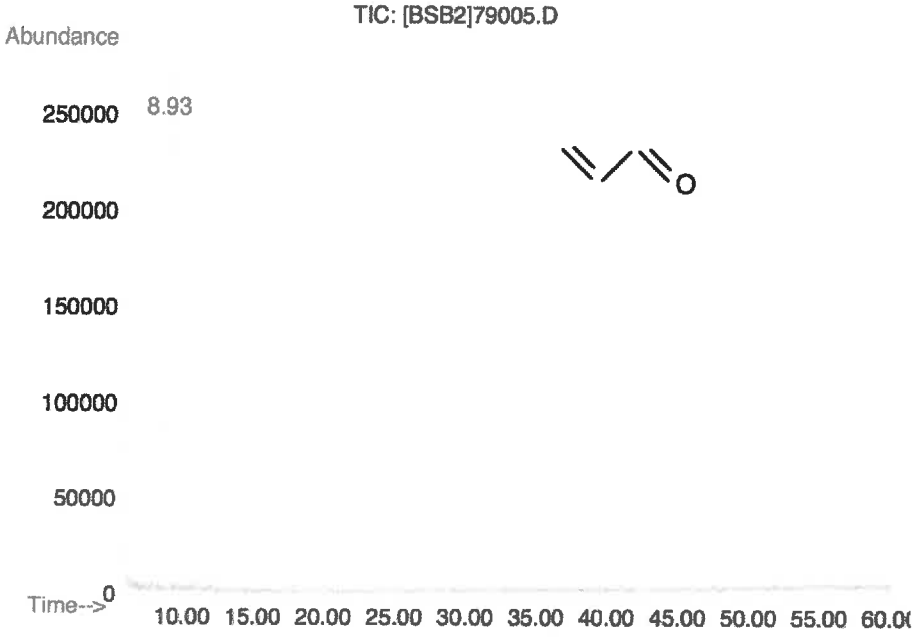
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

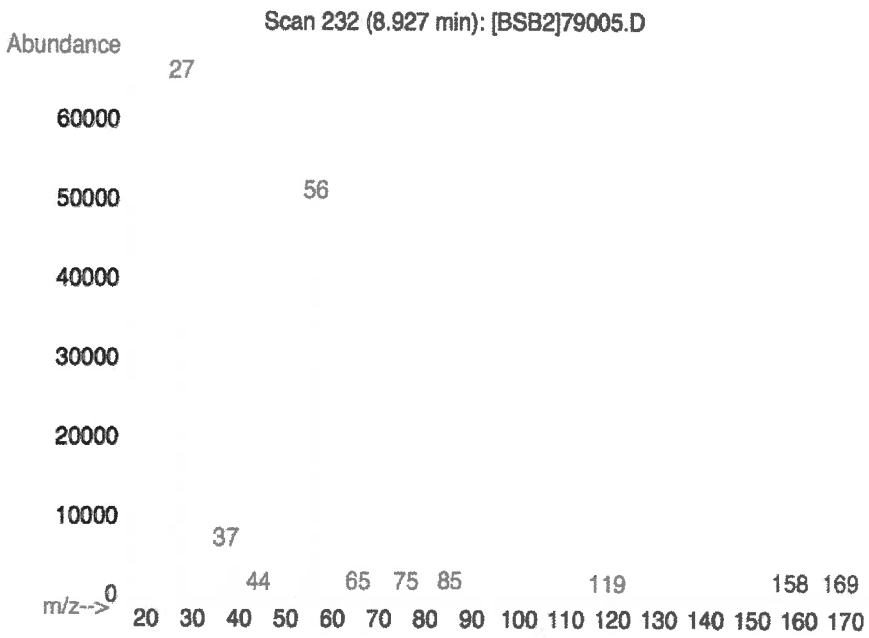
Formulated By: Lawrence Barry 031725 DATE

Reviewed By: Pedro L. Rentas 031725 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	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are 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 WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water CAS#: 7732-18-5 TWA: 500 ppm

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	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

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 Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Exp 03/18/24

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

5 vials
V14895 to V14899

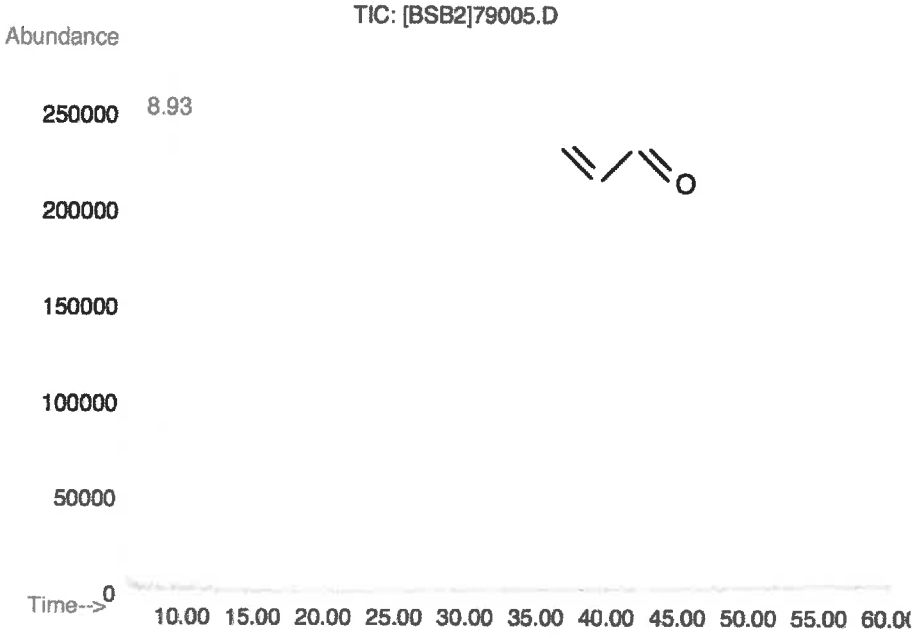
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

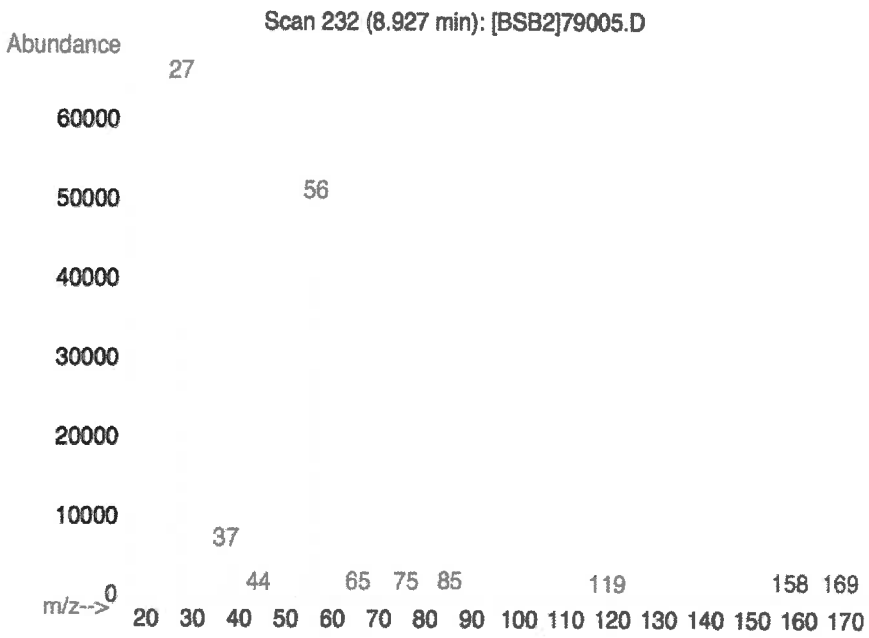
Lawrence Barry 031725
Formulated By: Lawrence Barry DATE

Pedro Rentas 031725
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	0.05170	5004.1	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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Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		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)
Water	CAS#: 7732-18-5	> 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

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.
Hazardous Decomposition products	Carbon oxides

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

Water CAS#: 7732-18-5 TWA: 500 ppm

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	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Absolute Standards, Inc.
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Certified Reference Material CRM

Exp 03/18/24

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water Lot# 072324Q

5 vials
V14895 to V14899

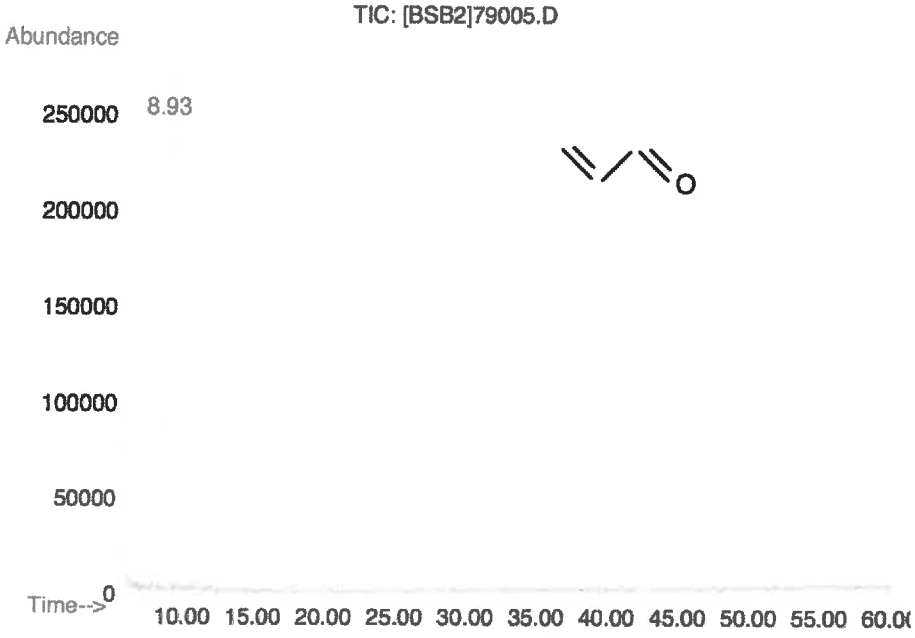
Weight(s) shown below were combined and diluted to (mL): 10.0 5E-05 Balance Uncertainty 0.001 Flask Uncertainty

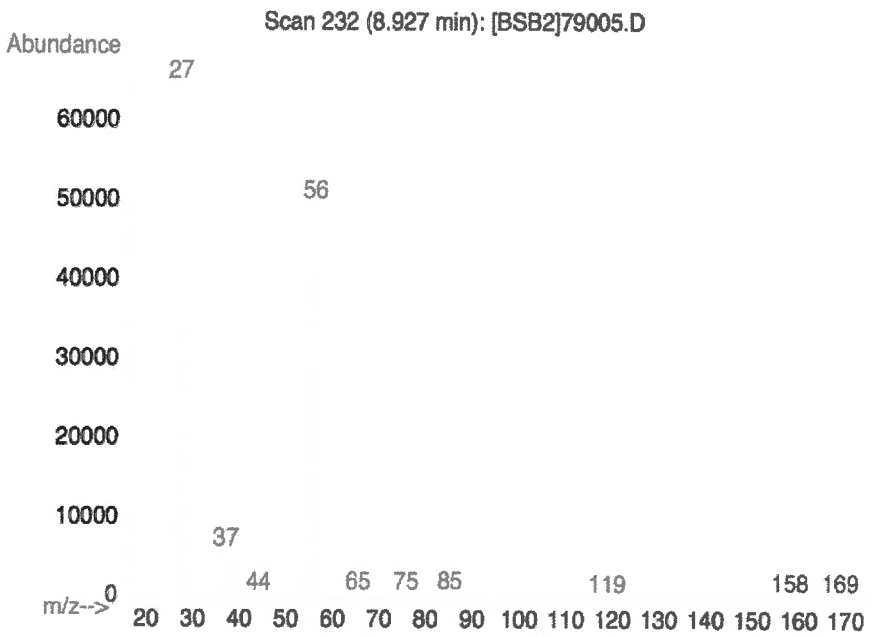
Formulated By: Lawrence Barry 031725 DATE

Reviewed By: Pedro L. Rentas 031725 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	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

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Safety Data Sheet (SDS) GHS/OSHA Compliant

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	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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		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)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

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Water CAS#: 7732-18-5 TWA: 500 ppm

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Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

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Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
https://Absolutestandards.co...

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

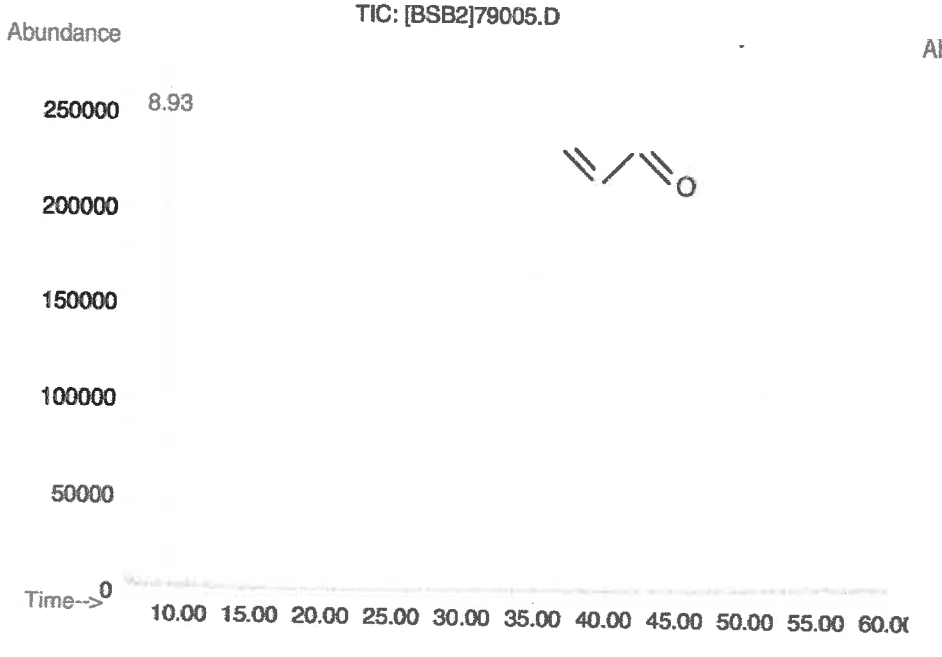
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

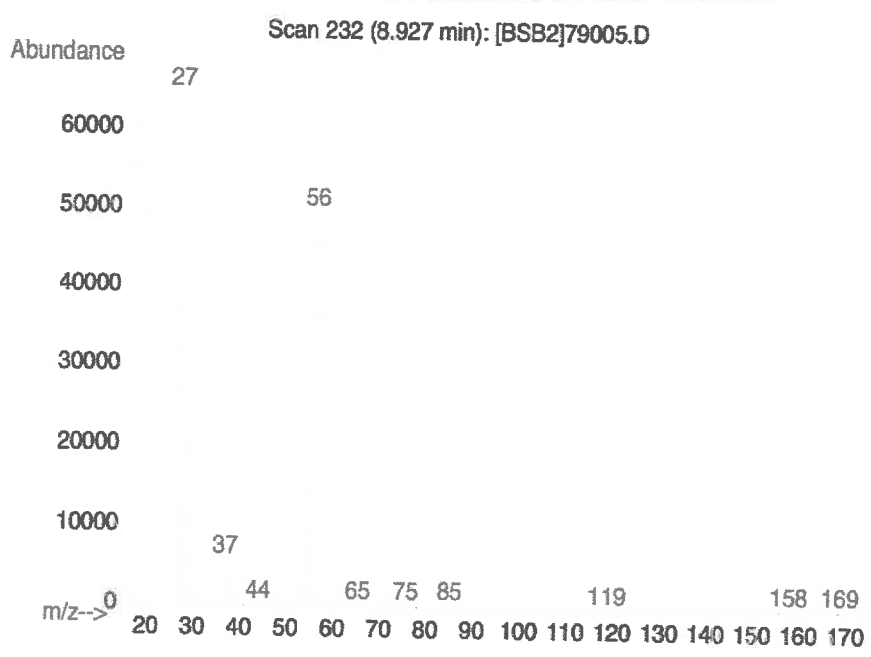
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

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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).

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Rec 09/16/24 2 Vials

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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

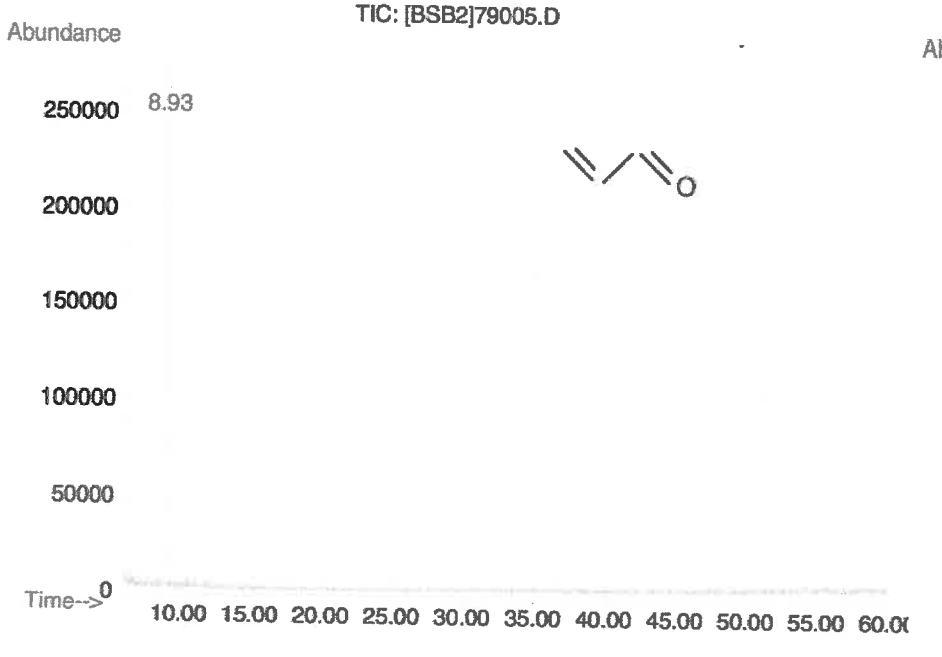
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

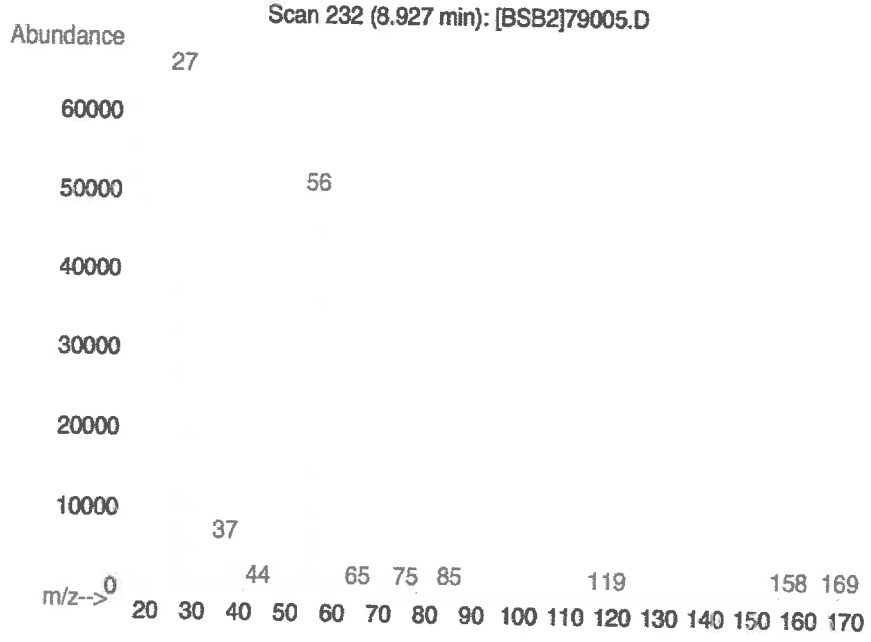
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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V14649

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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

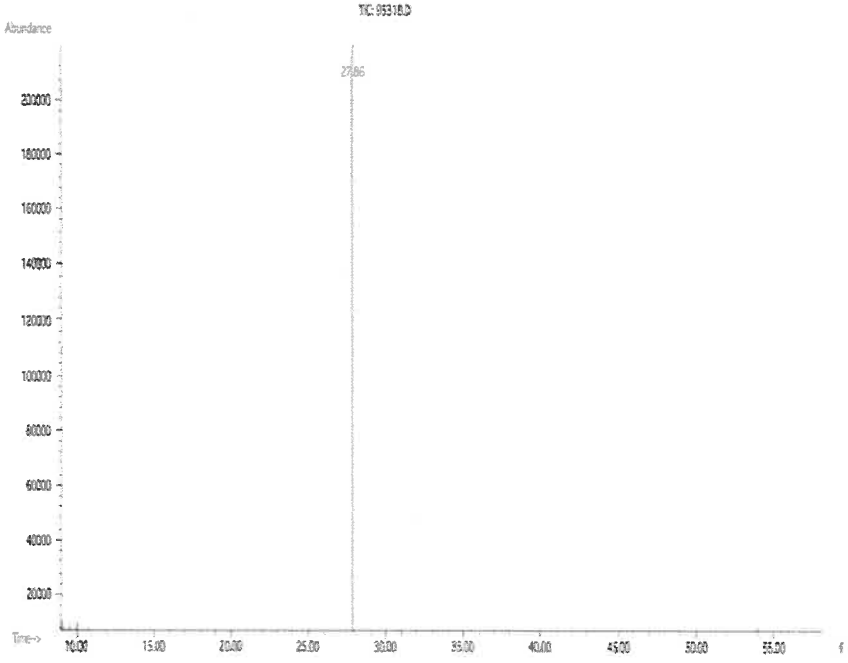
Solvent(s): Methanol **Lot#** EJ143-US

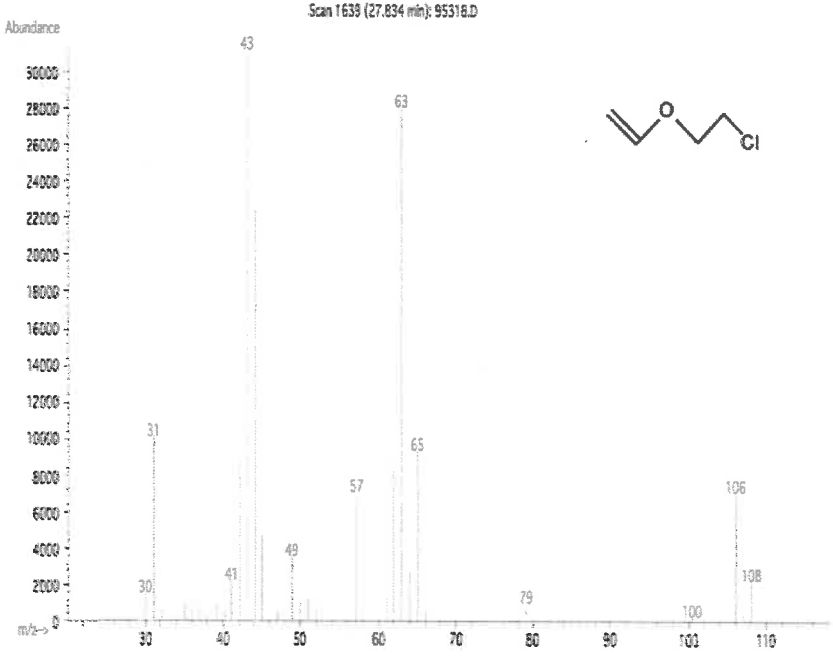
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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20 vial
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ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

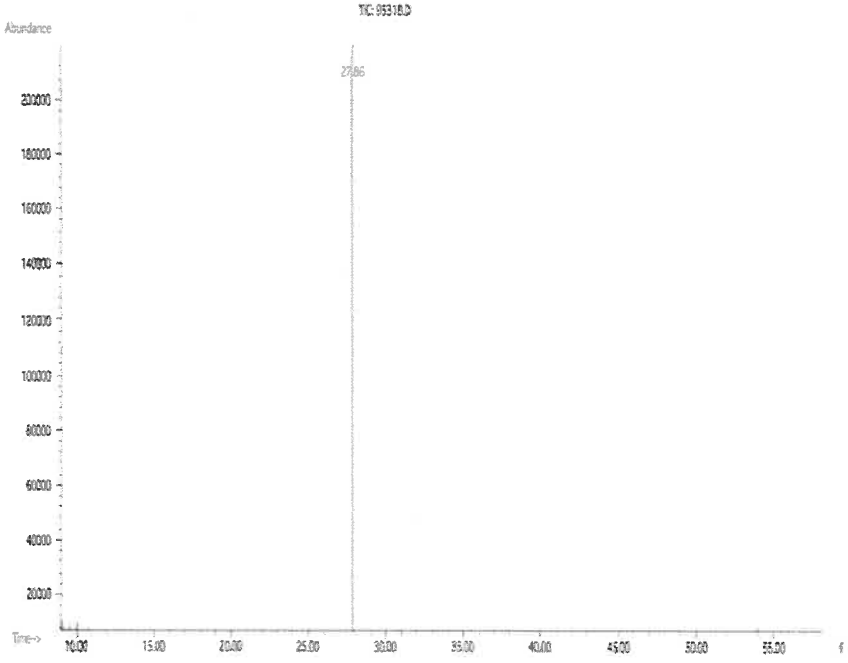
Solvent(s): Methanol **Lot#** EJ143-US

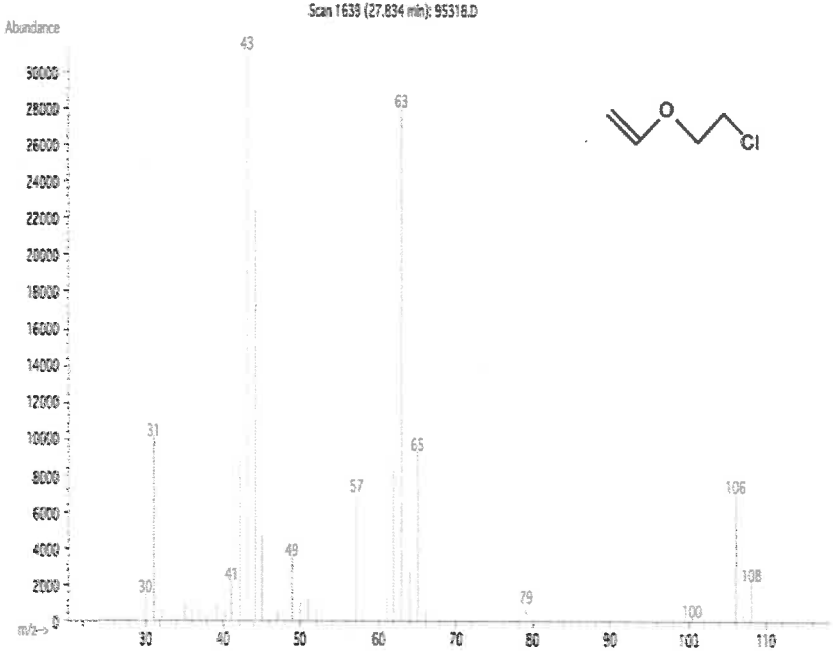
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Absolute Standards Inc.
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Hamden, CT 06518-0585
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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.
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If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

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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

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Chemical stability Stable under recommended storage conditions.
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Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
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Nominal Concentration (µg/mL): 10000
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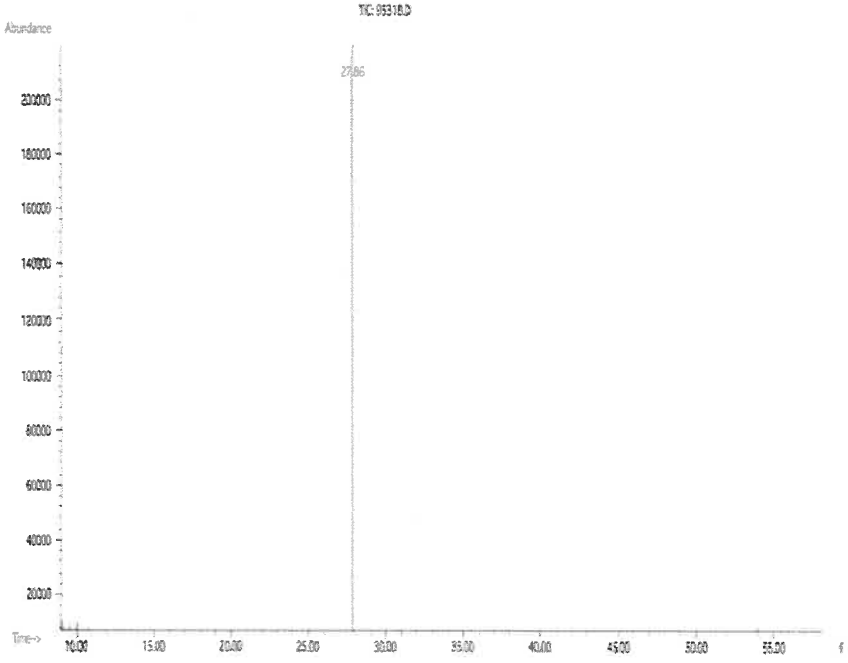
Solvent(s): Methanol **Lot#** EJ143-US

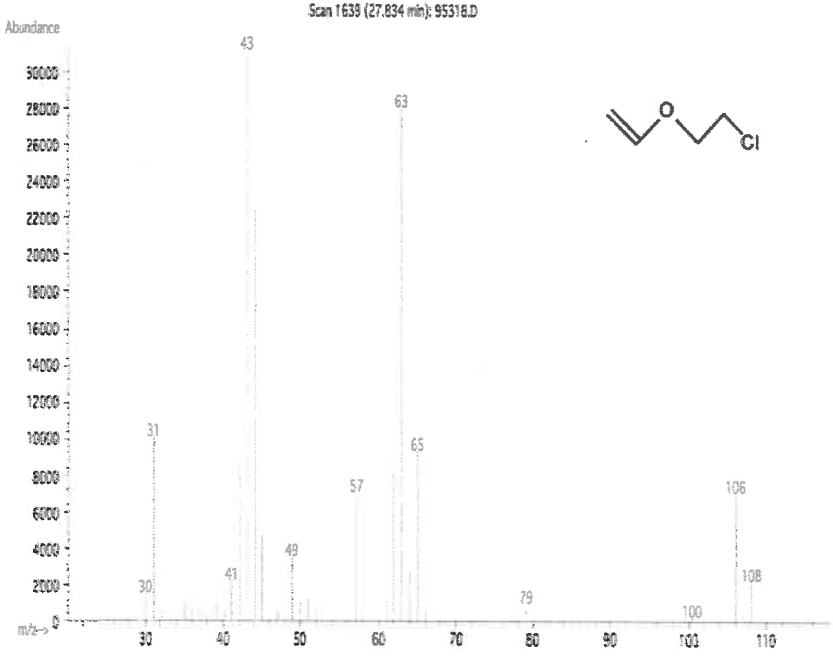
5E-05 Balance Uncertainty
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Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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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**
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P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

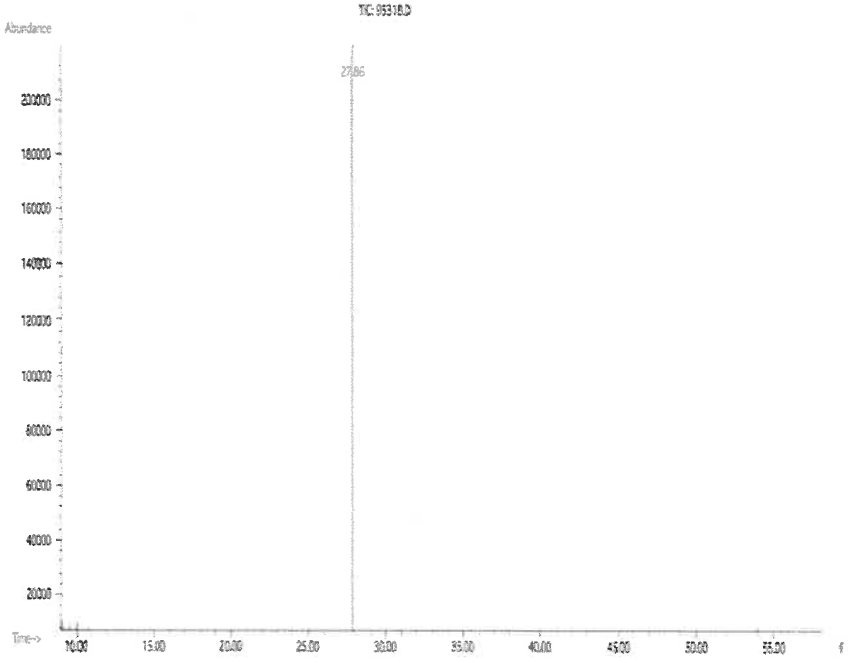
Solvent(s): Methanol **Lot#** EJ143-US

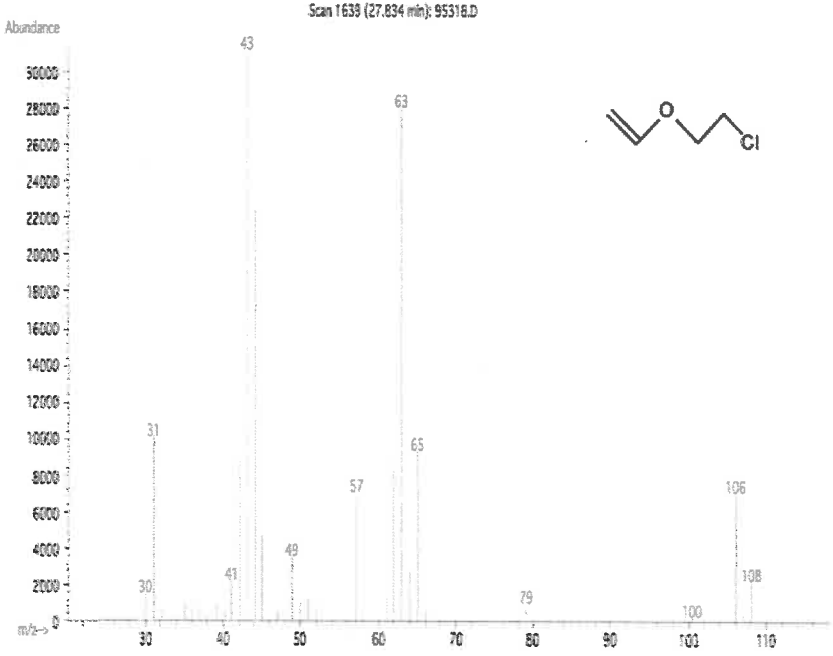
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

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Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

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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.

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Methanol 67-56-1 TWA 200 ppm
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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.

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UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

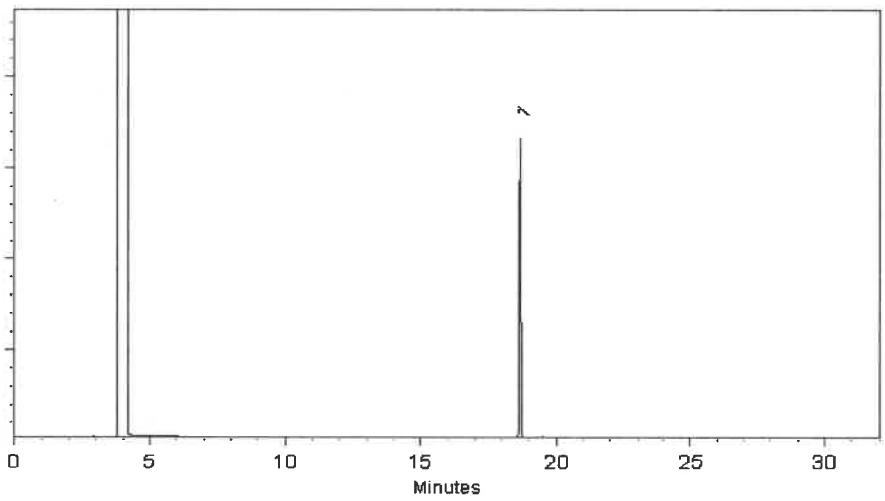
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

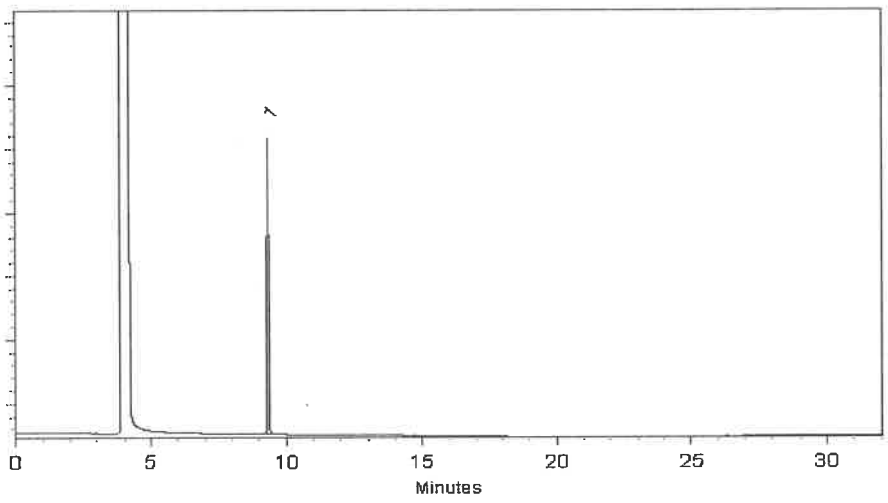
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

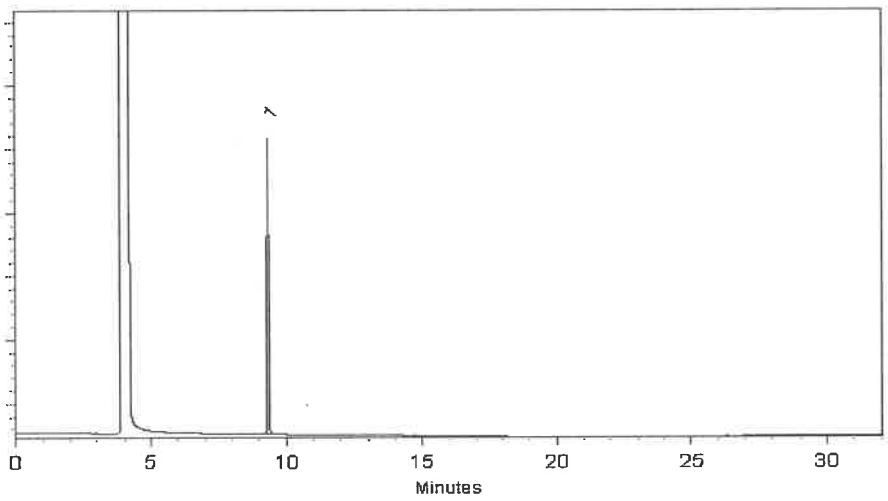
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- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty 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. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

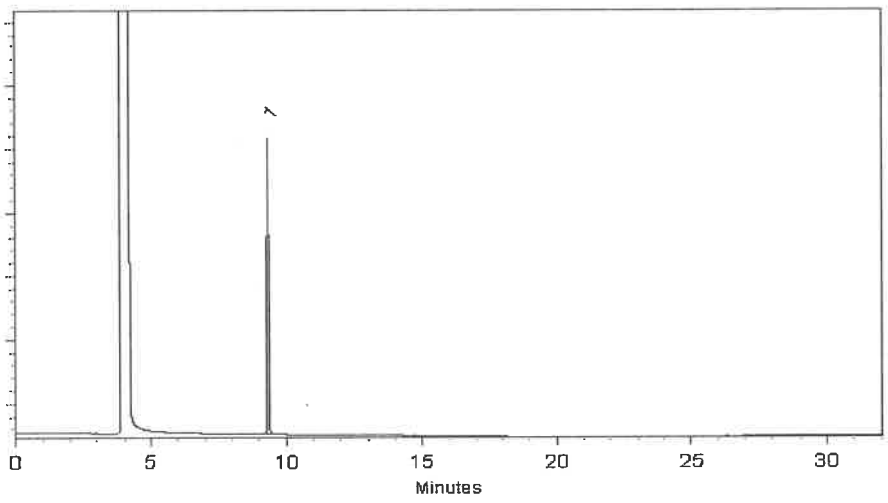
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

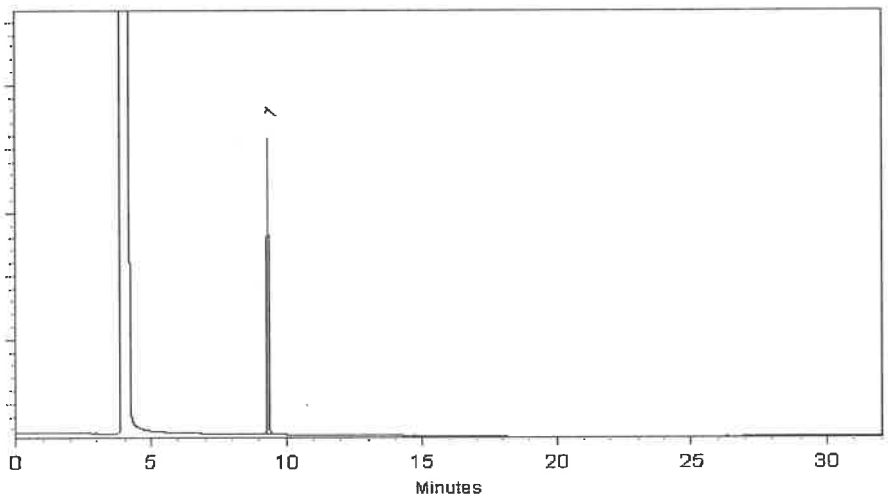
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

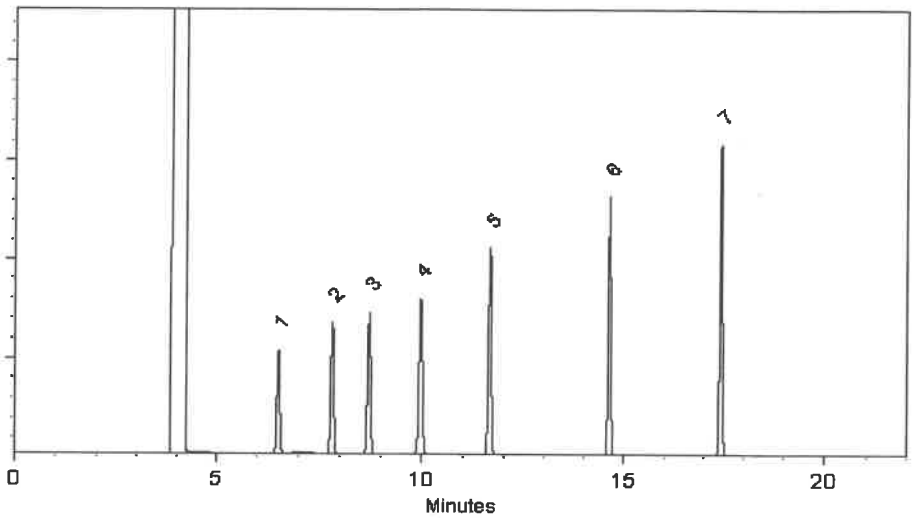
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

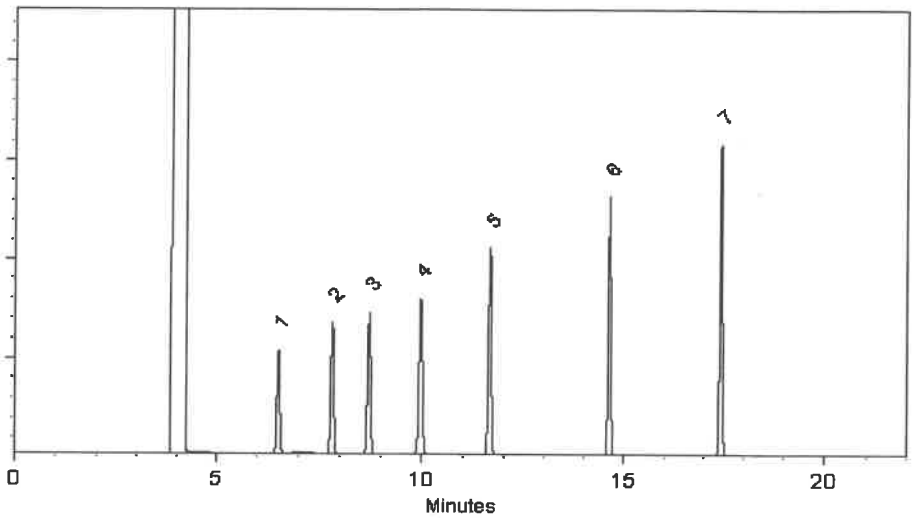
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

30 V.4

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V14697-to-14726

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Certificate #3222.01

ACCREDITED
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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. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

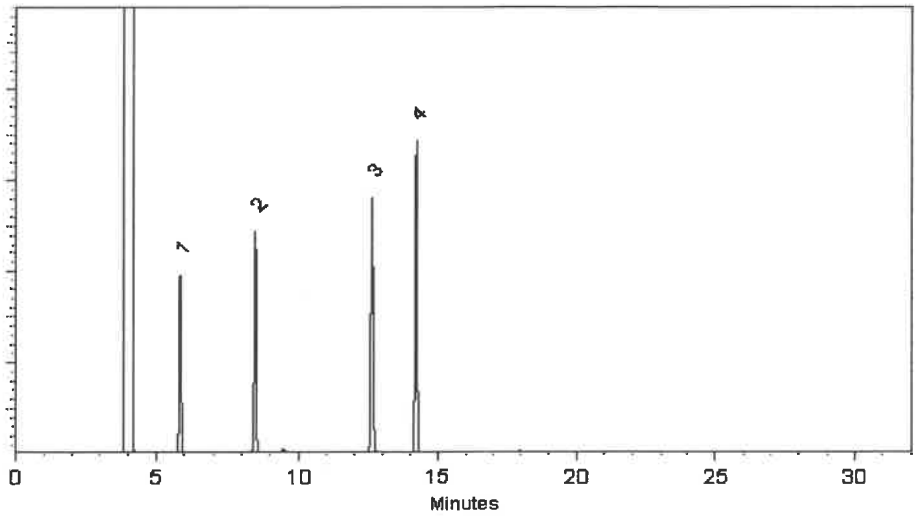
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

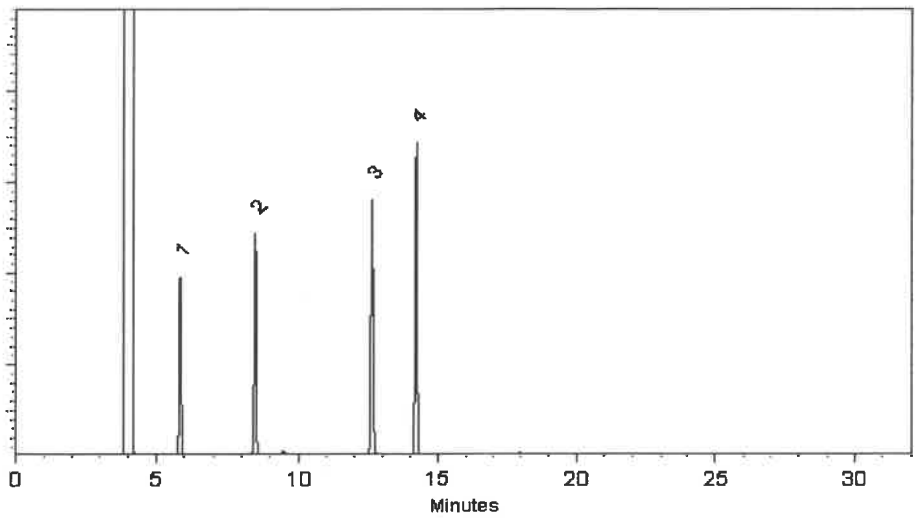
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

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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. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

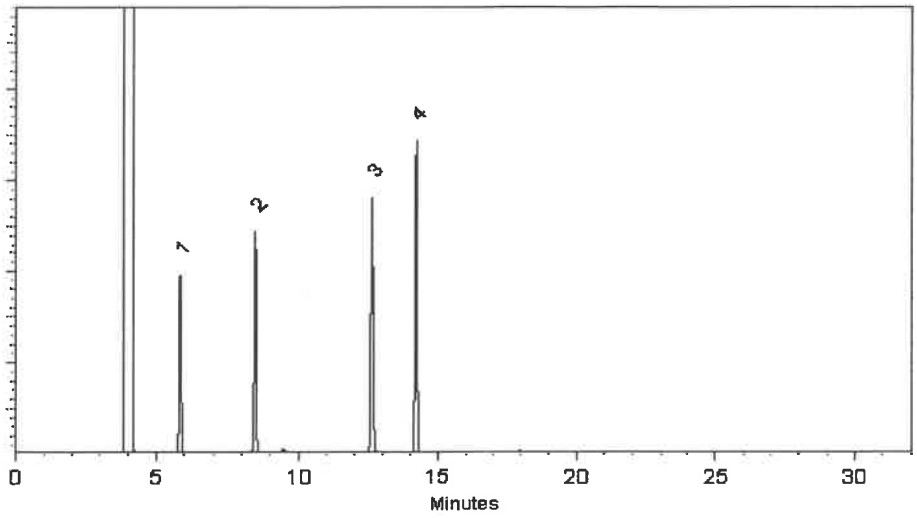
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

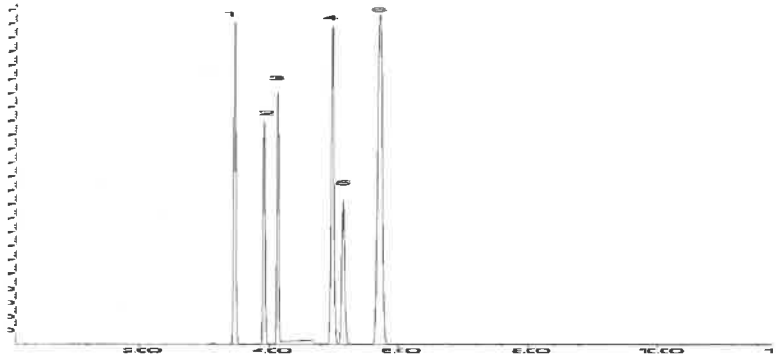
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

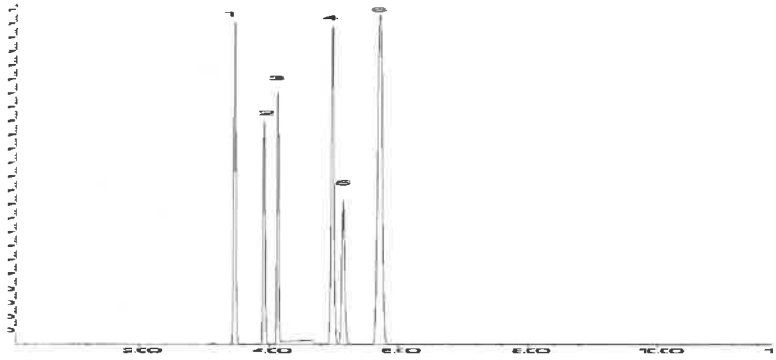
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

J 148421 to 148546

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.)

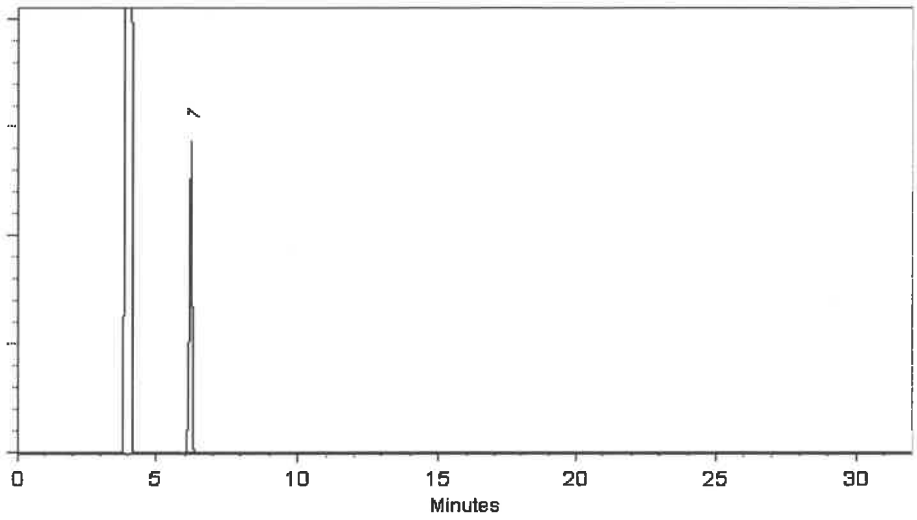
Inj. Temp:
200°C

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.

RESTEK
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Verify Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

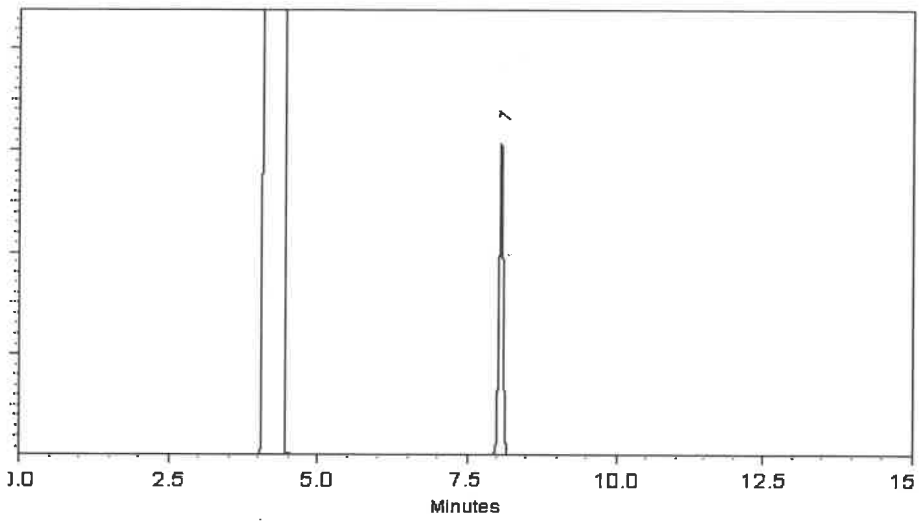
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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www.restek.com

Zoviy Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

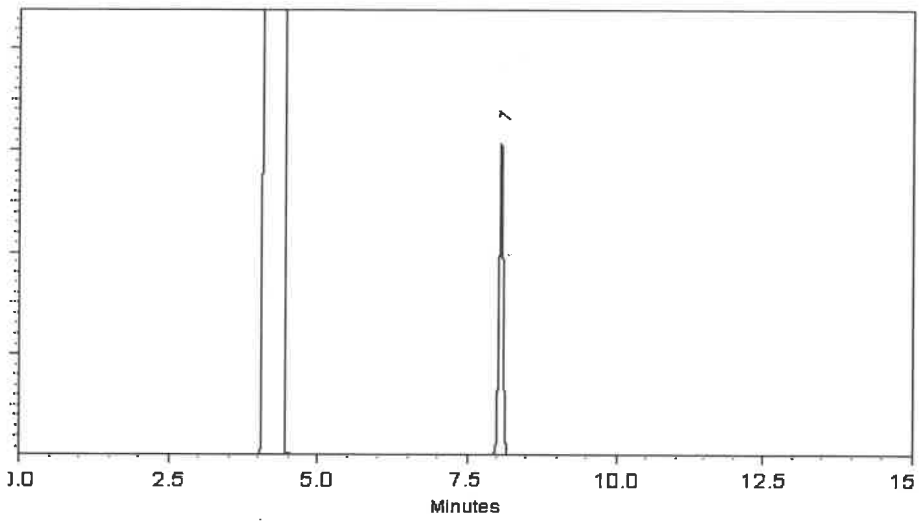
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

V14883
V14884

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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

Preservation Log

BalanceID: VOC-SC-2

Review By: pedro

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	Q1790-01	39.99-32.83=7.16	09:01	40.06-33.05=7.01	09:02	35.11-28.13=6.98	11:31	V14143	04/15/2025	8260 TERRACORE SAMPLES
2	Q1790-02	40.20-32.80=7.4	09:03	40.07-32.99=7.08	09:05	35.31-28.32=6.99	09:06	V14143	04/15/2025	8260 TERRACORE SAMPLES
3	Q1790-03	39.95-32.70=7.25	09:06	39.62-32.28=7.34	09:08	36.15-28.50=7.65	09:09	V14143	04/15/2025	8260 TERRACORE SAMPLES
4	Q1790-04	40.25-32.87=7.38	09:10	39.69-32.91=6.78	09:11	34.72-27.88=6.84	11:42	V14143	04/15/2025	8260 TERRACORE SAMPLES
5	Q1790-05	39.97-33.23=6.74	09:13	39.81-32.98=6.83	09:14	35.68-28.63=7.05	09:15	V14143	04/15/2025	8260 TERRACORE SAMPLES
6	Q1790-06	39.64-33.10=6.54	09:15	39.41-32.83=6.58	09:16	35.63-28.54=7.09	01:14	V14143	04/15/2025	8260 TERRACORE SAMPLES

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.
QUOTE NO. Q1790
COC Number 2046637

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite H100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yntema John.Yntema@Jacobs.com
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Rush TAT (48 hr) 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 ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1: TCL (SOM5/8260D) 2: TCL (8260D) 3. 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES F/E 1	PRESERVATIVES A/E 2	3	4	5	6	7	8	9	COMMENTS
1.	S-872-GI-SO-20.0-20.5-041025	SO		X	4/10/25	1035	12	✓									MS/MSD!
2.	S-872-GI-SO-25.0-25.5-041025	SO		X	4/10/25	1100	4										
3.	S-871-GI-SO-23.0-23.5-041025	SO		X	4/10/25	1215	4	✓									
4.	S-871-GI-SO-23.0-23.5-041025-FD	SO		X	4/10/25	1220	4	✓									
5.	S-870-GI-SO-22.0-22.5-041025	SO		X	4/10/25	1410	4	✓									
6.	S-870-GI-SO-22.0-22.5-041025-FD	SO		X	4/10/25	1415	4	✓									
7.	EBOI-041025	DI		X	4/10/25	1445	2		✓								
8.	TBOI-041025	DI		X	4/10/25	1500	2		✓								
9.	FBOI-041025	DI		X	4/10/25	1545	2		✓								
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY:
1. RELINQUISHED BY SAMPLER:	4/10/25 1606	1. 1606 4.10.25
2. RELINQUISHED BY SAMPLER:	DATE/TIME:	2. RECEIVED BY:
3. RELINQUISHED BY SAMPLER:	DATE/TIME: 1758 4-10-25	3. RECEIVED BY:

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.9 °C
Comments: Temp 2.9°C Adjustment factor +1) IR Gun #1.
~~PH <3 Lot # 80A0411~~ SD

Page 1 of 2

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

Alliance TECHNICAL GROUP

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www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1790
COC Number 2046634

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite H100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yntema John.Yntema@Jacobs.com
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

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 ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1 TCE (8260D) 2 TCE 8260D (A) 3. 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES F/E 1	A/E 2	3	4	5	6	7	8	9	COMMENTS
1.	S-872-GI-SO-25.0-25.5-041025	SO		X	4/10/25	1100	4	✓									
2.	S-872-GI-SO-29.5-30.0-041025	SO		X	4/10/25	1115	4	✓									
3.	S-871-GI-SO-25.5-26.0-041025	SO		X	4/10/25	1230	4	✓									
4.	(TA) S-871-GI-SO-29.5-30.0-041025	SO		X	4/10/25	1250	4	✓									
5.	S-870-GI-SO-24.5-25.0-041025	SO		X	4/10/25	1420	4	✓									
6.	S-870-GI-SO-29.5-30.0-041025	SO		X	4/10/25	1435	4	✓									
7. (TA)	EB01-041025	DI		X	4/10/25	1445	2	✓									
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	4/10/25 1606	1. 1606 4-10-25
2.		2.
3.	4-10-25 1750	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: Hold all samples until instructed to run by John Yntema
~~PH TB Lot # 80A0484~~ JD
Temp 2.1°C Adjustment factor +1.0 IR Gun #1.

Page 2 of 2
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

From: Ynfante, John <John.Ynfante@jacobs.com>
Sent: Friday, April 11, 2025 12:25 PM
To: Yazmeen Gomez
Subject: Re: chains for today's soil TCE samples at Princeton

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Darn it, OK thanks for the notification.

Get Outlook for Android

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Friday, April 11, 2025 11:11:52 AM
To: Ynfante, John <John.Ynfante@jacobs.com>
Subject: [EXTERNAL] RE: chains for today's soil TCE samples at Princeton

John,

All noted – login summary was just sent out.

I wanted to inform you that we didn't receive the TB. It's listed on the COC but it wasn't in the cooler.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Ynfante, John <John.Ynfante@jacobs.com>
Sent: Thursday, April 10, 2025 8:20 PM
To: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: chains for today's soil TCE samples at Princeton

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Secured by Check Point

Yazmeen,

The chains for the soil TCE samples collected today (and presumably picked up by the courier today) at Princeton are attached. Note that the 1st chain requires a 2-day rush TAT and all samples on the second chain are to be placed on hold (as noted at the bottom of the chain) pending the rush TAT results.

One change I need you to make to the rush chain of samples – please place sample **S-870-G1-SO-22.0-22.5-041025-FD** collected at 1415 ON HOLD. We won't actually need that second field duplicate unless we end up releasing several of the hold samples from the other chain so I'd like it to be placed on hold until we see if that happens or not.

Give me a shout if you have any questions. I'll take a look at the logins when they come in tomorrow. Thanks!

John Ynfante
Jacobs
Chemist
281-414-1719 mobile
John.Ynfante@jacobs.com
www.jacobs.com

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From: Ynfante, John <John.Ynfante@jacobs.com>
Sent: Tuesday, April 22, 2025 12:10 AM
To: Yazmeen Gomez
Subject: hold soil samples for TCE

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Hi Yazmeen,

We reviewed the rush TCE soil data that came in for Princeton and we won't be analyzing any of the soil TCE samples that are currently on hold. Please continues to keep the hold samples frozen for now though just in case someone on the team changes their mind soon, but we shouldn't need them so I wanted to let you know.

Also, I've noticed in a few of the more recent SDGs that only needed the short list of VOCs and 1,4-dioxane that we also got TICs data included in the pdf and EDD – not sure why TICs are showing up somewhat sporadically but we don't need TICs so can you check into that and see what's happening so you can remove the TICs on future reports?

Thanks.

John Ynfante
Jacobs
Chemist
281-414-1719 mobile
John.Ynfante@jacobs.com
www.jacobs.com

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284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1790 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 4/11/2025 11:32:42 AM
Project Name : Former Schlumberger STC
Receive DateTime : 4/10/2025 5:58:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Results+QC~~ Level 4
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1790-01	S-872-~~GI~~-SO-20.0-20.5-041025 G1	Solid	04/10/2025	10:35	VOCMS Group4		8260D		2 Bus. Days
Q1790-02	Q1790-01MS	Solid	04/10/2025	10:35	VOCMS Group4		8260D		2 Bus. Days
Q1790-03	Q1790-01MSD	Solid	04/10/2025	10:35	VOCMS Group4		8260D		2 Bus. Days
Q1790-04	S-871-~~GI~~-SO-23.0-23.5-041025 G1	Solid	04/10/2025	12:15	VOCMS Group4		8260D		2 Bus. Days
Q1790-05	S-871-~~GI~~-SO-23.0-23.5-041025-FD G1	Solid	04/10/2025	12:20	VOCMS Group4		8260D		2 Bus. Days
Q1790-06	S-870-~~GI~~-SO-22.0-22.5-041025 G1	Solid	04/10/2025	14:10	VOCMS Group4		8260D		2 Bus. Days
~~Q1790-07~~	~~S-870-GI-SO-22.0-22.5-041025-FD~~	~~Solid~~	~~04/10/2025~~	~~14:15~~	~~VOCMS Group4~~		~~8260D~~		~~2 Bus. Days~~
Q1790-17	EB01-041025	Water	04/10/2025	14:45					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1790 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 4/11/2025 11:32:42 AM
Project Name : Former Schlumberger STC
Receive DateTime : 4/10/2025 5:58:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Results+QC~~ Level 4
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOCMS Group4		8260-Low	2 Bus. Days		
Q1790-19	FB01-041025	Water	04/10/2025	15:45						
					VOCMS Group4		8260-Low	2 Bus. Days		

Relinguished By :
Date / Time : 4-11-25 1205

Received By :
Date / Time : 4-11-25 12:05

Storage Area : VOA Refridgerator Room