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 : Q1711

ATTENTION : John Ynfante

Laboratory Certification ID # 20012

Table Of Contents for Q1711

1) VOLATILES DATA 2
2) Signature Page 4
3) Case Narrative 5
4) Qualifier Page 7
5) Conformance/Non Conformance 8
6) QA Checklist 10
7) Chronicle 11
8) Hit Summary 12
9) QC Data Summary For VOCMS Group3 13
- 9.1) Deuterated Monitoring Compound Summary 14
- 9.2) MS/MSD Summary 15
- 9.3) LCS/LCSD Summary 17
- 9.4) Method Blank Summary 19
- 9.5) GS/MS Tune Summary 21
- 9.6) Internal Standard Area and RT Summary 24

10) Sample Data 28
- 10.1) MW-18B-56-040225 29
- 10.2) MW-17B-55-040225 39
- 10.3) RMW-05B-89-040225 48
- 10.4) EB01-040225 57
- 10.5) TB01-040225 65

11) Calibration Data Summary 72
- 11.1) Initial Calibration Data 73
  - 11.1.1) VX040225 73
- 11.2) Continued Calibration Data 442
  - 11.2.1) VX045559.D 442
  - 11.2.2) VX045586.D 501

12) QC Sample Data 560
- 12.1) Tune Raw Data 561
- 12.2) Method Blank Data 564
- 12.3) LCS Data 578
- 12.4) MS Data 684
- 12.5) MSD Data 737

13) Manual Integration 790
14) Analytical Runlogs 794

15) Standard Prep Logs 806
16) Shipping Document 908
16.1) Chain Of Custody 909
16.2) ROC 911
16.3) Lab Certificate 914
16.4) Internal COC 915

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

Cover Page

Order ID : Q1711

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q1711-01	MW-18B-56-040225
Q1711-02	MW-18B-56-040225MS
Q1711-03	MW-18B-56-040225MSD
Q1711-04	MW-17B-55-040225
Q1711-07	RMW-05B-89-040225
Q1711-08	EB01-040225
Q1711-10	TB01-040225
Q1711-12	MW-17B-55-040225
Q1711-13	EB01-040225
Q1711-14	MW-18B-56-040225
Q1711-15	MW-18B-56-040225MS
Q1711-16	MW-18B-56-040225MSD

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 11:04 am, Apr 14, 2025

Date: 4/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Chemtech Project # Q1711
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
12 Water samples were received on 04/02/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Metals Group4, SVOC-SIMGroup1, TDS, VOC-TRACE-SFAM and VOCMS Group3. This data package contains results for VOCMS Group3.

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 of VOCMS Group3 was based on method 8260D.

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

The MS {Q1711-02MS} with File ID: VX045591.D recoveries met the requirements for all compounds except for cis-1,2-Dichloroethene[30%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.
The MSD {Q1711-03MSD} with File ID: VX045577.D recoveries met the acceptable requirements except for cis-1,2-Dichloroethene[50%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.
The RPD for {Q1711-03MSD} with File ID: VX045577.D met criteria except for cis-1,2-Dichloroethene[50%] this compound did not meet the NJDKQP criteria and in-house criteria due to difference in results of MS and MSD.

The Blank Spike 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.
The Tuning criteria met requirements.

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

Samples MW-18B-56-040225, MW-17B-55-040225 was diluted due to high concentrations of compound Trichloroethene.

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

For Sample #01 & 04 at the time of fax Sequence Processed with wrong method after further review it is corrected in Hardcopy therefore fax and Hardcopy data will not match.

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 11:05 am, Apr 14, 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: Q1711 MATRIX: Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The 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 MS {Q1711-02MS} with File ID: VX045591.D recoveries met the requirements for all compounds except for cis-1,2-Dichloroethene[30%] this compound did not meet the NJDKQP criteria and in-house criteria, due to matrix interference. The MSD {Q1711-03MSD} with File ID: VX045577.D recoveries met the acceptable requirements except for cis-1,2-Dichloroethene[50%] this compound did not meet the NJDKQP criteria and in-house criteria, due to matrix interference. The RPD for {Q1711-03MSD} with File ID: VX045577.D met criteria except for cis-1,2-Dichloroethene[50%] this compound did not meet the NJDKQP criteria and in-house criteria due, to difference in results of MS and MSD.		✓	
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓

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

		NA	NO	YES
10.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

Samples MW-18B-56-040225, MW-17B-55-040225 was diluted due to high concentrations of compound Trichloroethene.

Trip Blank was not provided with this set of samples.

For Sample #01 & 04 at the time of fax Sequence Processed with wrong method after further review it is corrected in Hardcopy therefore fax and Hardcopy data will not match.

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 9:54 am, Apr 14, 2025

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1711

	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:** 04/10/2025

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

LAB CHRONICLE

OrderID:	Q1711	**OrderDate:**	4/3/2025 10:00:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	I41,L21,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1711-01	**MW-18B-56-040225**	**Water**			**04/02/25**			**04/02/25**
			VOCMS Group3	8260-Low			04/03/25	
Q1711-04	**MW-17B-55-040225**	**Water**			**04/02/25**			**04/02/25**
			VOCMS Group3	8260-Low			04/03/25	
Q1711-07	**RMW-05B-89-040225**	**Water**			**04/02/25**			**04/02/25**
			VOCMS Group3	8260-Low			04/03/25	
Q1711-08	**EB01-040225**	**Water**			**04/02/25**			**04/02/25**
			VOCMS Group3	8260-Low			04/03/25	
Q1711-10	**TB01-040225**	**Water**			**04/02/25**			**04/02/25**
			VOCMS Group3	8260-Low			04/03/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1711

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW-18B-56-040225**							
Q1711-01	MW-18B-56-04022	Water	Vinyl Chloride	47.7		2.60	10.0	ug/L
Q1711-01	MW-18B-56-04022	Water	1,1-Dichloroethene	13.0		2.30	10.0	ug/L
Q1711-01	MW-18B-56-04022	Water	cis-1,2-Dichloroethene	850		1.90	10.0	ug/L
Q1711-01	MW-18B-56-04022	Water	Trichloroethene	370		0.93	10.0	ug/L
			Total Voc :	1280				
			Total Concentration:	1280				
Client ID:	**MW-17B-55-040225**							
Q1711-04	MW-17B-55-04022	Water	cis-1,2-Dichloroethene	2200		19.0	100	ug/L
Q1711-04	MW-17B-55-04022	Water	Trichloroethene	11400		9.30	100	ug/L
Q1711-04	MW-17B-55-04022	Water	Tetrachloroethene	110		23.0	100	ug/L
			Total Voc :	13700				
			Total Concentration:	13700				
Client ID:	**RMW-05B-89-040225**							
Q1711-07	RMW-05B-89-0402	Water	1,1-Dichloroethane	1.60		0.23	1.00	ug/L
Q1711-07	RMW-05B-89-0402	Water	cis-1,2-Dichloroethene	4.00		0.19	1.00	ug/L
			Total Voc :	5.60				
			Total Concentration:	5.60				

QC SUMMARY

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

Surrogate Summary

SDG No.: Q1711

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1711-01	MW-18B-56-040225	1,2-Dichloroethane-d4	50	53.4	107	70 (74)	130 (125)
		Dibromofluoromethane	50	51.5	103	70 (75)	130 (124)
		Toluene-d8	50	51.2	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.1	98	70 (77)	130 (121)
Q1711-02MS	MW-18B-56-040225MS	1,2-Dichloroethane-d4	50	53.2	106	70 (74)	130 (125)
		Dibromofluoromethane	50	50.8	102	70 (75)	130 (124)
		Toluene-d8	50	50.8	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.1	106	70 (77)	130 (121)
Q1711-03MSD	MW-18B-56-040225MSD	1,2-Dichloroethane-d4	50	46.9	94	70 (74)	130 (125)
		Dibromofluoromethane	50	44.8	90	70 (75)	130 (124)
		Toluene-d8	50	44.8	90	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.0	92	70 (77)	130 (121)
Q1711-04	MW-17B-55-040225	1,2-Dichloroethane-d4	50	54.8	110	70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.9	94	70 (77)	130 (121)
Q1711-07	RMW-05B-89-040225	1,2-Dichloroethane-d4	50	55.2	110	70 (74)	130 (125)
		Dibromofluoromethane	50	52.0	104	70 (75)	130 (124)
		Toluene-d8	50	50.6	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.6	101	70 (77)	130 (121)
Q1711-08	EB01-040225	1,2-Dichloroethane-d4	50	53.4	107	70 (74)	130 (125)
		Dibromofluoromethane	50	51.0	102	70 (75)	130 (124)
		Toluene-d8	50	50.9	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.8	100	70 (77)	130 (121)
Q1711-10	TB01-040225	1,2-Dichloroethane-d4	50	53.9	108	70 (74)	130 (125)
		Dibromofluoromethane	50	52.0	104	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.0	102	70 (77)	130 (121)
VX0403WBL01	VX0403WBL01	1,2-Dichloroethane-d4	50	53.2	106	70 (74)	130 (125)
		Dibromofluoromethane	50	52.6	105	70 (75)	130 (124)
		Toluene-d8	50	50.9	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.1	102	70 (77)	130 (121)
VX0403WBS01	VX0403WBS01	1,2-Dichloroethane-d4	50	48.8	98	70 (74)	130 (125)
		Dibromofluoromethane	50	48.5	97	70 (75)	130 (124)
		Toluene-d8	50	48.5	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.0	98	70 (77)	130 (121)
VX0404WBL01	VX0404WBL01	1,2-Dichloroethane-d4	50	54.8	110	70 (74)	130 (125)
		Dibromofluoromethane	50	52.0	104	70 (75)	130 (124)
		Toluene-d8	50	50.8	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.5	99	70 (77)	130 (121)
VX0404WBS01	VX0404WBS01	1,2-Dichloroethane-d4	50	52.9	106	70 (74)	130 (125)
		Dibromofluoromethane	50	53.3	107	70 (75)	130 (124)
		Toluene-d8	50	53.2	106	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.2	106	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1711

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q1711-02MS		**Client Sample ID :** MW-18B-56-040225MS						**Datafile :** VX045591.D			
Vinyl chloride	500	47.7	530	ug/L	96				70 (69)	130 (125)	
1,1-Dichloroethene	500	13.0	500	ug/L	97				70 (53)	130 (162)	
1,1-Dichloroethane	500	0	510	ug/L	102				70 (78)	130 (122)	
cis-1,2-Dichloroethene	500	850	1000	ug/L	30	*			70 (82)	130 (124)	
1,1,1-Trichloroethane	500	0	510	ug/L	102				70 (83)	130 (117)	
Benzene	500	0	500	ug/L	100				70 (81)	130 (128)	
1,2-Dichloroethane	500	0	510	ug/L	102				70 (76)	130 (120)	
Trichloroethene	500	370	740	ug/L	74				70 (28)	130 (175)	
1,1,2-Trichloroethane	500	0	510	ug/L	102				70 (27)	130 (175)	
Tetrachloroethene	500	0	460	ug/L	92				70 (48)	130 (153)	

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1711

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q1711-03MSD		**Client Sample ID :** MW-18B-56-040225MSD						**Datafile :** VX045577.D			
Vinyl chloride	500	47.7	480	ug/L	86		11		70 (69)	130 (125)	20 (20)
1,1-Dichloroethene	500	13.0	430	ug/L	83		16		70 (53)	130 (162)	20 (20)
1,1-Dichloroethane	500	0	420	ug/L	84		19		70 (78)	130 (122)	20 (20)
cis-1,2-Dichloroethene	500	850	1100	ug/L	50	*	50	*	70 (82)	130 (124)	20 (20)
1,1,1-Trichloroethane	500	0	420	ug/L	84		19		70 (83)	130 (117)	20 (20)
Benzene	500	0	420	ug/L	84		17		70 (81)	130 (128)	20 (20)
1,2-Dichloroethane	500	0	430	ug/L	86		17		70 (76)	130 (120)	20 (20)
Trichloroethene	500	370	740	ug/L	74		0		70 (28)	130 (175)	20 (20)
1,1,2-Trichloroethane	500	0	430	ug/L	86		17		70 (27)	130 (175)	20 (20)
Tetrachloroethene	500	0	400	ug/L	80		14		70 (48)	130 (153)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1711

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045563.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0403WBS01	Vinyl chloride	20	18.9	ug/L	95			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.8	ug/L	94			70 (74)	130 (110)	
	1,1-Dichloroethane	20	18.7	ug/L	94			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	18.2	ug/L	91			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	18.4	ug/L	92			70 (80)	130 (108)	
	Benzene	20	18.7	ug/L	94			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.6	ug/L	98			70 (80)	130 (115)	
	Trichloroethene	20	18.5	ug/L	93			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	19.1	ug/L	96			70 (83)	130 (112)	
	Tetrachloroethene	20	18.4	ug/L	92			70 (67)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1711

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045589.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0404WBS01	Vinyl chloride	20	19.6	ug/L	98			70 (65)	130 (117)	
	1,1-Dichloroethene	20	19.4	ug/L	97			70 (74)	130 (110)	
	1,1-Dichloroethane	20	19.5	ug/L	98			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	19.2	ug/L	96			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	19.7	ug/L	99			70 (80)	130 (108)	
	Benzene	20	19.9	ug/L	100			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.4	ug/L	102			70 (80)	130 (115)	
	Trichloroethene	20	19.2	ug/L	96			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	20.5	ug/L	103			70 (83)	130 (112)	
	Tetrachloroethene	20	19.6	ug/L	98			70 (67)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0403WBL01

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1711 SAS No.: Q1711 SDG NO.: Q1711

Lab File ID: VX045561.D Lab Sample ID: VX0403WBL01

Date Analyzed: 04/03/2025 Time Analyzed: 11:21

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
VX0403WBS01	VX0403WBS01	VX045563.D	04/03/2025
RMW-05B-89-040225	Q1711-07	VX045568.D	04/03/2025
MW-17B-55-040225	Q1711-04	VX045569.D	04/03/2025
TB01-040225	Q1711-10	VX045571.D	04/03/2025
EB01-040225	Q1711-08	VX045572.D	04/03/2025
MW-18B-56-040225	Q1711-01	VX045575.D	04/03/2025
MW-18B-56-040225MSD	Q1711-03MSD	VX045577.D	04/03/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0404WBL01

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1711 SAS No.: Q1711 SDG NO.: Q1711

Lab File ID: VX045588.D Lab Sample ID: VX0404WBL01

Date Analyzed: 04/04/2025 Time Analyzed: 10:51

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
VX0404WBS01	VX0404WBS01	VX045589.D	04/04/2025
MW-18B-56-040225MS	Q1711-02MS	VX045591.D	04/04/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1711 SAS No.: Q1711 SDG NO.: Q1711

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

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1711 SAS No.: Q1711 SDG NO.: Q1711

Lab File ID: VX045558.D BFB Injection Date: 04/03/2025

Instrument ID: MSVOA_X BFB Injection Time: 10:01

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	22.2
75	30.0 - 60.0% of mass 95	56.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	67.5
175	5.0 - 9.0% of mass 174	5.1 (7.5) 1
176	95.0 - 101.0% of mass 174	65.9 (97.6) 1
177	5.0 - 9.0% of mass 176	4 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045559.D	04/03/2025	10:30
VX0403WBL01	VX0403WBL01	VX045561.D	04/03/2025	11:21
VX0403WBS01	VX0403WBS01	VX045563.D	04/03/2025	12:08
RMW-05B-89-040225	Q1711-07	VX045568.D	04/03/2025	14:04
MW-17B-55-040225	Q1711-04	VX045569.D	04/03/2025	14:27
TB01-040225	Q1711-10	VX045571.D	04/03/2025	15:14
EB01-040225	Q1711-08	VX045572.D	04/03/2025	15:37
MW-18B-56-040225	Q1711-01	VX045575.D	04/03/2025	16:47
MW-18B-56-040225MSD	Q1711-03MSD	VX045577.D	04/03/2025	17:33

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1711 SAS No.: Q1711 SDG NO.: Q1711

Lab File ID: VX045585.D BFB Injection Date: 04/04/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:31

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	25
75	30.0 - 60.0% of mass 95	57.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.9 (1.4) 1
174	50.0 - 100.0% of mass 95	68.1
175	5.0 - 9.0% of mass 174	5.7 (8.3) 1
176	95.0 - 101.0% of mass 174	65.8 (96.6) 1
177	5.0 - 9.0% of mass 176	4.9 (7.5) 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	VX045586.D	04/04/2025	10:00
VX0404WBL01	VX0404WBL01	VX045588.D	04/04/2025	10:51
VX0404WBS01	VX0404WBS01	VX045589.D	04/04/2025	11:14
MW-18B-56-040225MS	Q1711-02MS	VX045591.D	04/04/2025	12:04

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1711 SAS No.: Q1711 SDG NO.: Q1711

Lab File ID: VX045559.D Date Analyzed: 04/03/2025

Instrument ID: MSVOA_X Time Analyzed: 10:30

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	95221	5.54	162684	6.76	143783	10.05
UPPER LIMIT	190442	6.044	325368	7.257	287566	10.549
LOWER LIMIT	47610.5	5.044	81342	6.257	71891.5	9.549
EPA SAMPLE NO.						
MW-18B-56-040225	64116	5.55	121192	6.76	112037	10.06
MW-18B-56-040225MSD	69182	5.55	124452	6.76	109108	10.06
MW-17B-55-040225	63215	5.55	122949	6.76	111016	10.06
RMW-05B-89-040225	63845	5.55	125144	6.76	116415	10.05
EB01-040225	63287	5.54	123377	6.76	114226	10.05
TB01-040225	66937	5.54	129076	6.76	121728	10.05
VX0403WBL01	66309	5.55	126206	6.76	118586	10.05
VX0403WBS01	95034	5.54	168178	6.76	149052	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1711 SAS No.: Q1711 SDG NO.: Q1711

Lab File ID: VX045559.D Date Analyzed: 04/03/2025

Instrument ID: MSVOA_X Time Analyzed: 10:30

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

	IS4 AREA #	RT #				
12 HOUR STD	66270	12.018				
UPPER LIMIT	132540	12.518				
LOWER LIMIT	33135	11.518				
EPA SAMPLE NO.						
MW-18B-56-040225	43792	12.02				
MW-18B-56-040225MSD	51026	12.02				
MW-17B-55-040225	41790	12.02				
RMW-05B-89-040225	47044	12.02				
EB01-040225	46598	12.02				
TB01-040225	49430	12.02				
VX0403WBL01	50130	12.02				
VX0403WBS01	68919	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1711 SAS No.: Q1711 SDG NO.: Q1711

Lab File ID: VX045586.D Date Analyzed: 04/04/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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	96707	5.54	163287	6.75	142048	10.05
UPPER LIMIT	193414	6.038	326574	7.251	284096	10.549
LOWER LIMIT	48353.5	5.038	81643.5	6.251	71024	9.549
EPA SAMPLE NO.						
MW-18B-56-040225MS	84872	5.55	154383	6.76	136696	10.05
VX0404WBL01	66301	5.54	128686	6.76	118182	10.06
VX0404WBS01	95127	5.55	168453	6.76	151744	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1711 SAS No.: Q1711 SDG NO.: Q1711

Lab File ID: VX045586.D Date Analyzed: 04/04/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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

	IS4 AREA #	RT #				
12 HOUR STD	67379	12.018				
UPPER LIMIT	134758	12.518				
LOWER LIMIT	33689.5	11.518				
EPA SAMPLE NO.						
MW-18B-56-040225MS	64924	12.02				
VX0404WBL01	46025	12.02				
VX0404WBS01	66584	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.

SAMPLE DATA

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:	04/02/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/02/25
Client Sample ID:	MW-18B-56-040225	SDG No.:	Q1711
Lab Sample ID:	Q1711-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045575.D	10		04/03/25 16:47	VX040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	47.7		2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	13.0		2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	U	2.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	850		1.90	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	U	2.00	10.0	ug/L
71-43-2	Benzene	1.50	U	1.50	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	10.0	ug/L
79-01-6	Trichloroethene	370		0.93	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	U	2.10	10.0	ug/L
127-18-4	Tetrachloroethene	2.30	U	2.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	51.2		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	64100	5.55			
540-36-3	1,4-Difluorobenzene	121000	6.757			
3114-55-4	Chlorobenzene-d5	112000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	43800	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\VX040325\
Data File : VX045575.D
Acq On : 03 Apr 2025 16:47
Operator : JC/MD
Sample : Q1711-01 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

Quant Time: Apr 04 01:25:19 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

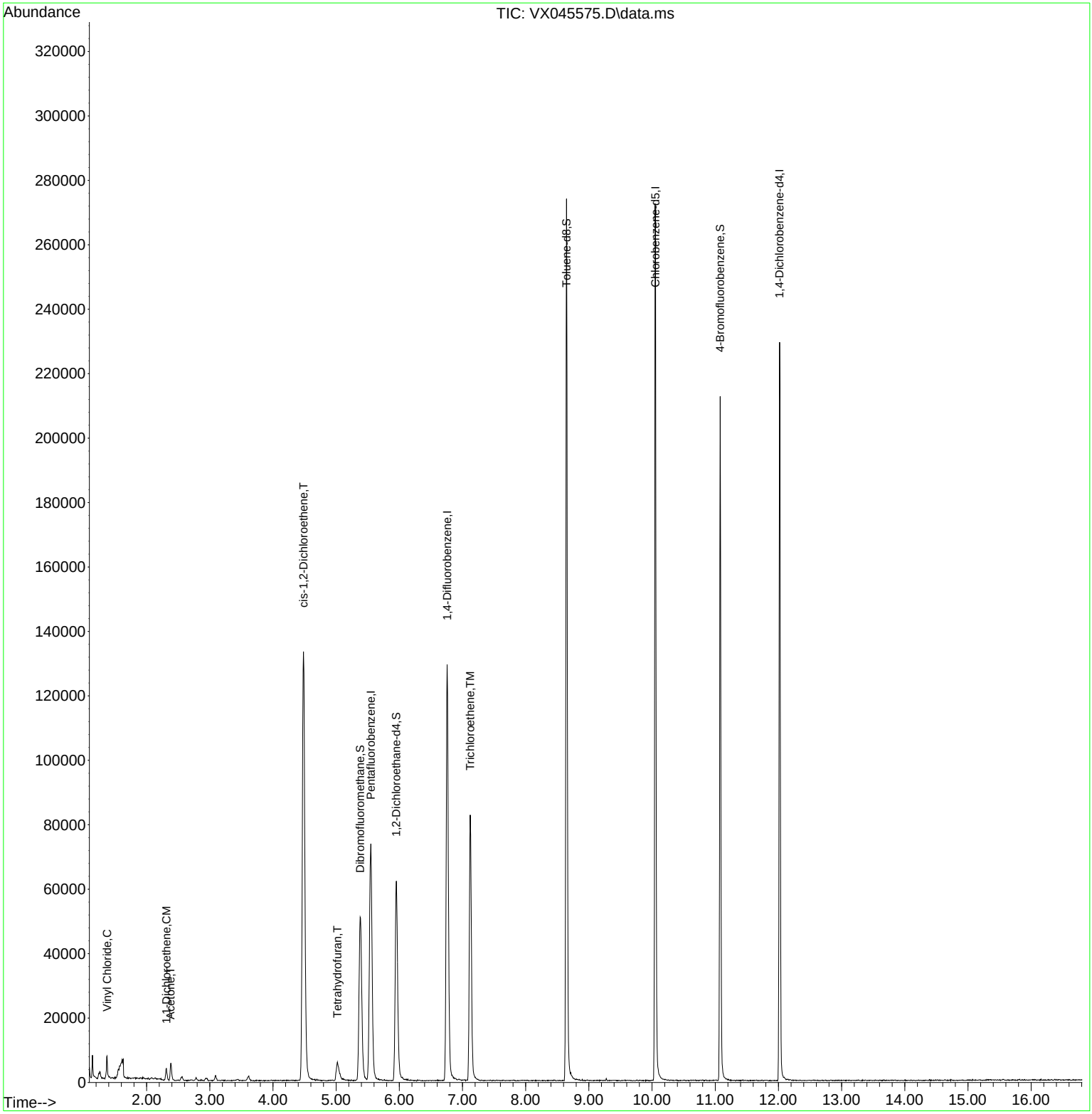
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	64116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121192	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	43792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62586	53.378	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.760%			
35) Dibromofluoromethane	5.379	113	44291	51.510	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.020%			
50) Toluene-d8	8.647	98	153765	51.234	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.460%			
62) 4-Bromofluorobenzene	11.079	95	53724	49.144	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.280%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	4299	4.769	ug/l	96
12) 1,1-Dichloroethene	2.312	96	997	1.295	ug/l	88
16) Acetone	2.379	43	5722	11.885	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	81070	84.620	ug/l	90
29) Tetrahydrofuran	5.019	42	5635	12.332	ug/l	96
44) Trichloroethene	7.122	130	30963	36.740	ug/l	95

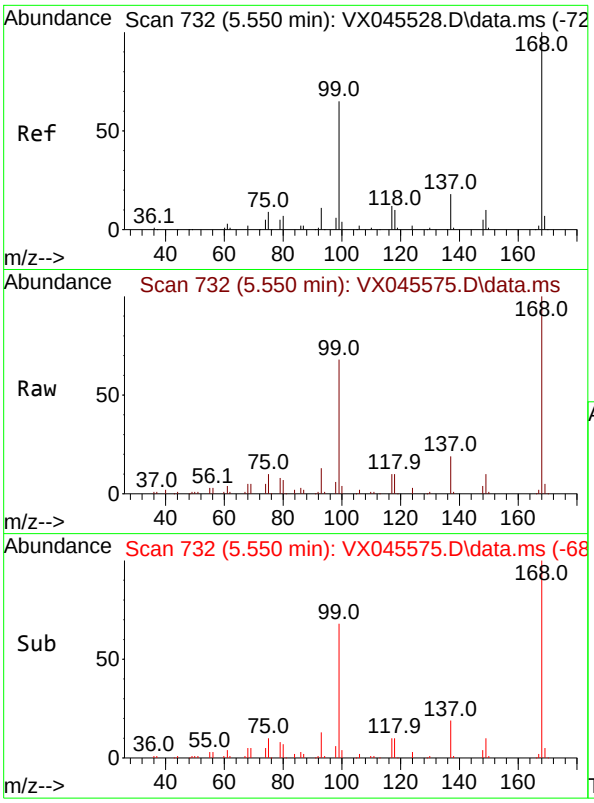
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045575.D
Acq On : 03 Apr 2025 16:47
Operator : JC/MD
Sample : Q1711-01 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

Quant Time: Apr 04 01:25:19 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



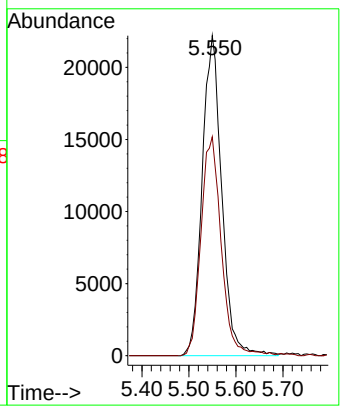


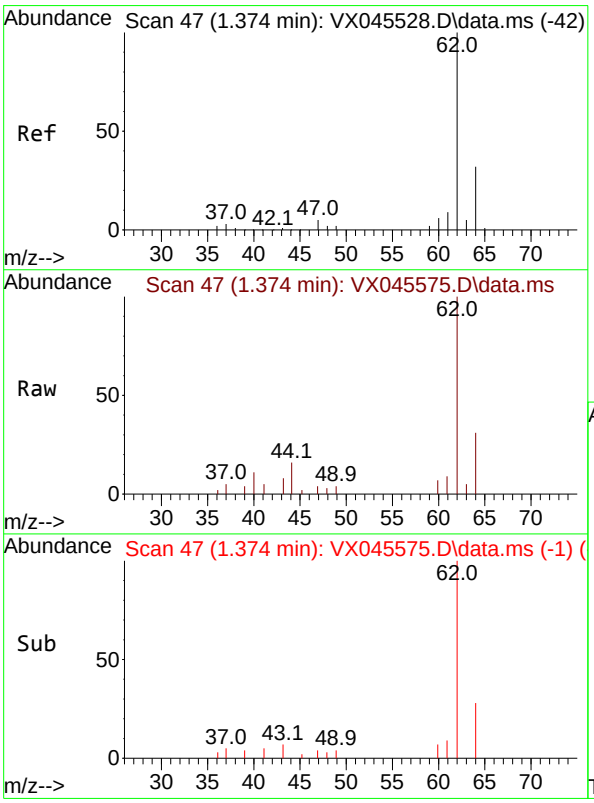
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

Tgt Ion:168 Resp: 64116

Ion	Ratio	Lower	Upper
168	100		
99	68.4	52.3	78.5

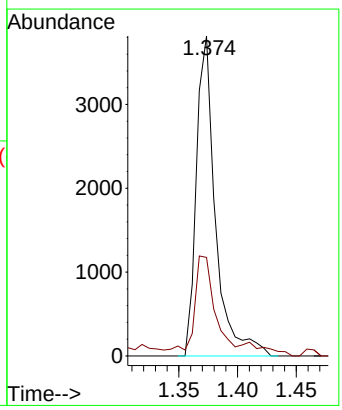


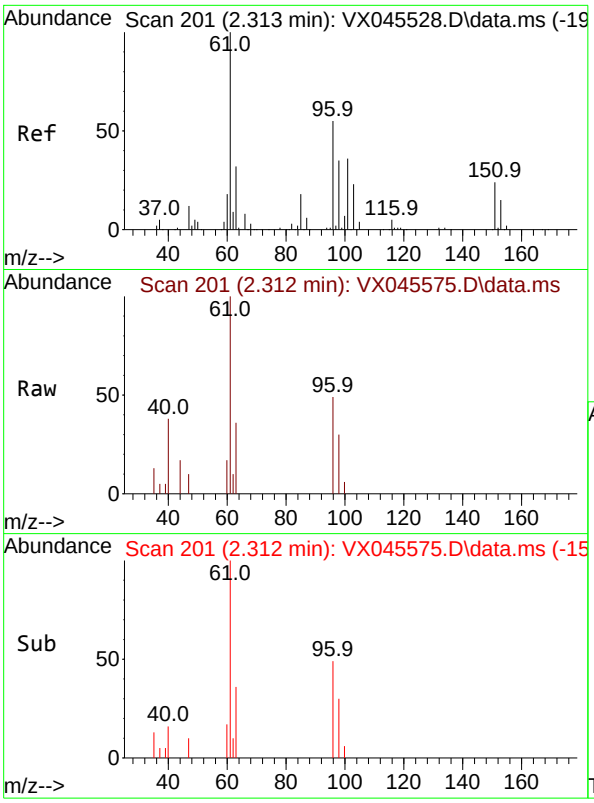


#4
Vinyl Chloride
Concen: 4.769 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion: 62 Resp: 4299

Ion	Ratio	Lower	Upper
62	100		
64	29.4	25.5	38.3



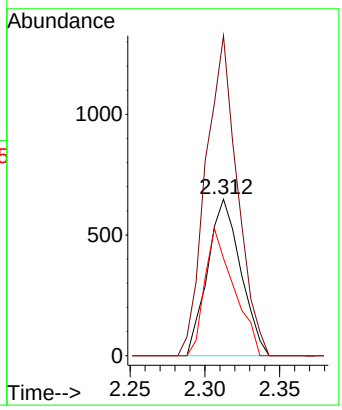


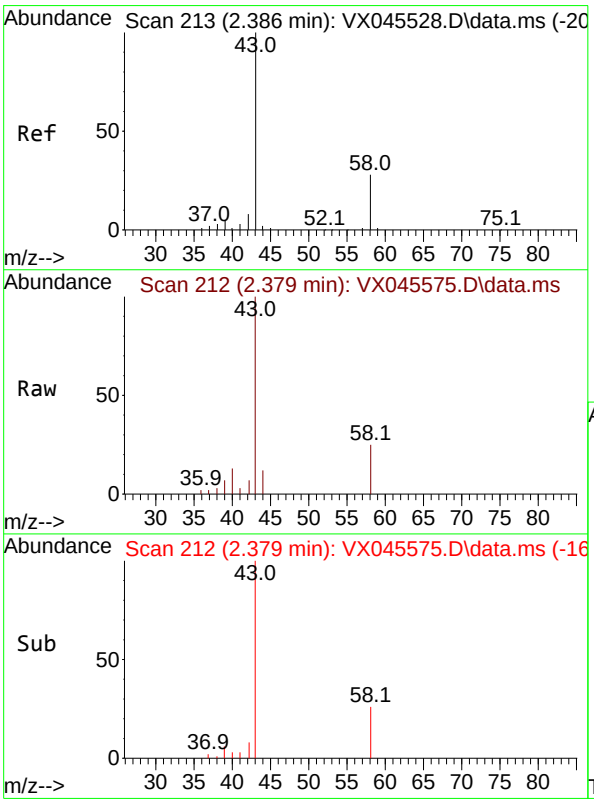
#12
1,1-Dichloroethene
Concen: 1.295 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

Tgt Ion: 96 Resp: 997

Ion	Ratio	Lower	Upper
96	100		
61	204.6	145.7	218.5
98	62.2	51.6	77.4

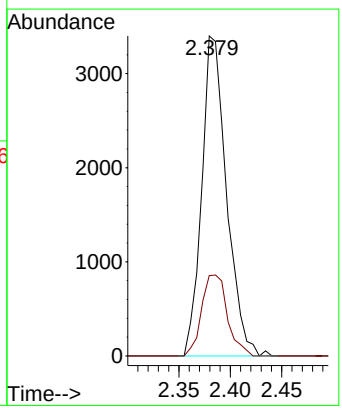


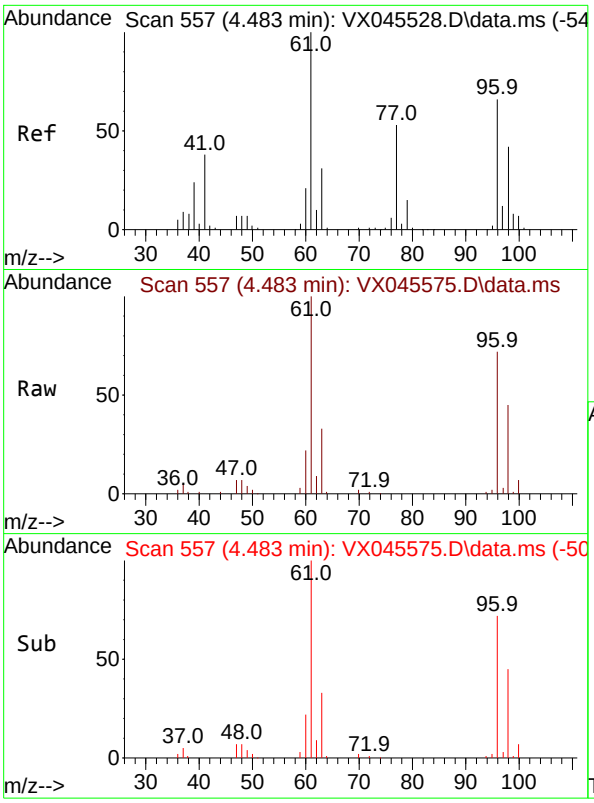


#16
Acetone
Concen: 11.885 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion: 43 Resp: 5722

Ion	Ratio	Lower	Upper
43	100		
58	25.1	22.3	33.5



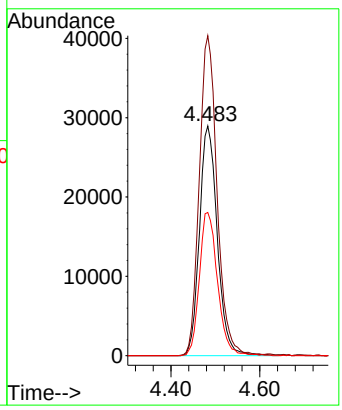


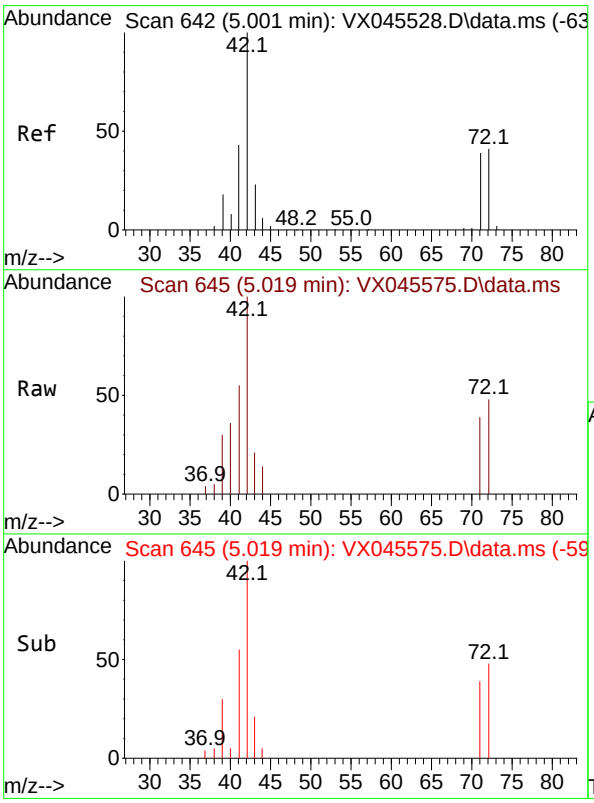
#27
cis-1,2-Dichloroethene
Concen: 84.620 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

Tgt Ion: 96 Resp: 81070

Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	313.2
98	63.5	0.0	126.4

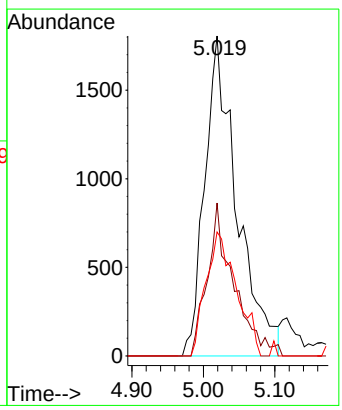


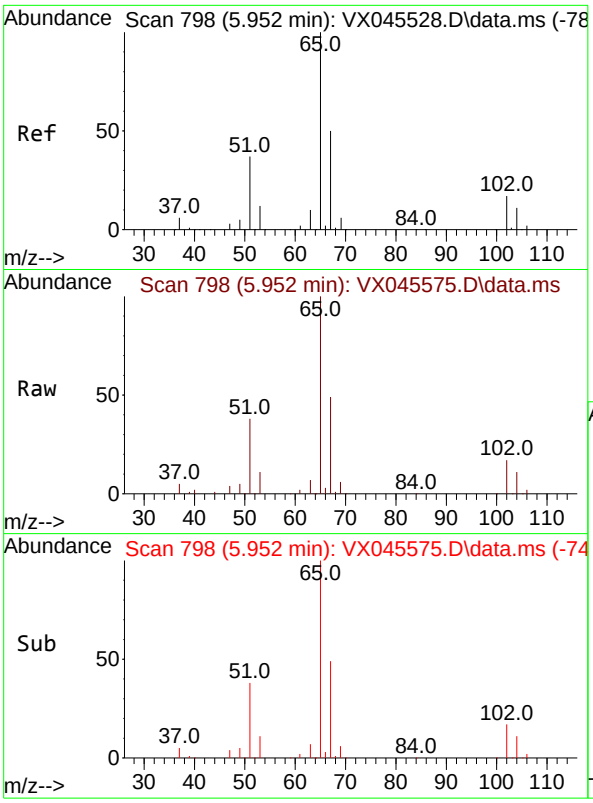


#29
Tetrahydrofuran
Concen: 12.332 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.018 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion: 42 Resp: 5635

Ion	Ratio	Lower	Upper
42	100		
72	39.4	33.4	50.0
71	36.8	31.4	47.0



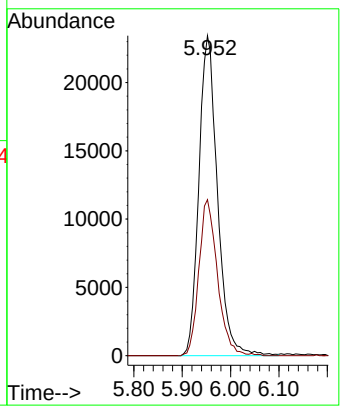


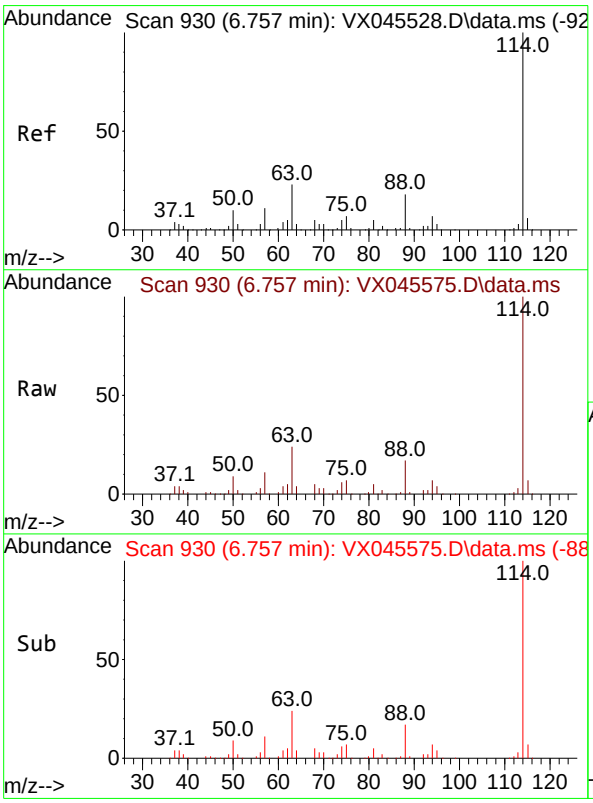
#33
1,2-Dichloroethane-d4
Concen: 53.378 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

Tgt Ion: 65 Resp: 62586

Ion	Ratio	Lower	Upper
65	100		
67	48.6	0.0	99.0

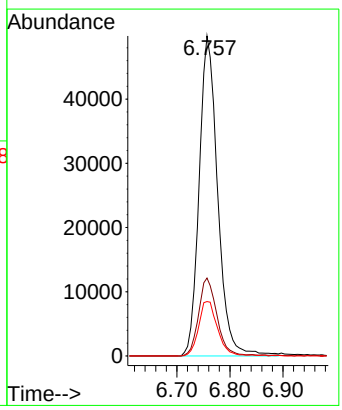


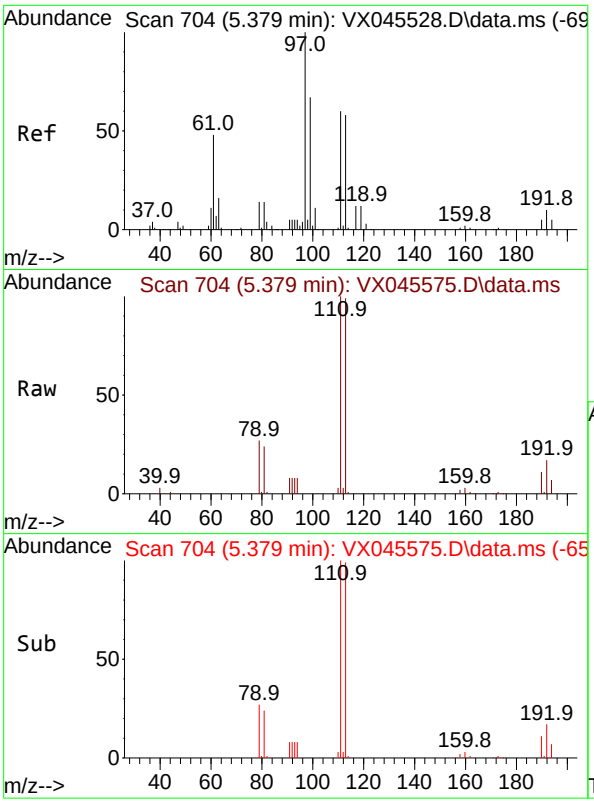


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion:114 Resp: 121192

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	46.8
88	17.0	0.0	35.4



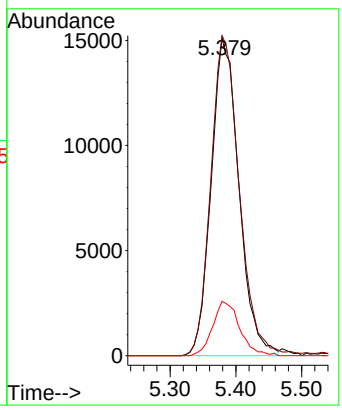


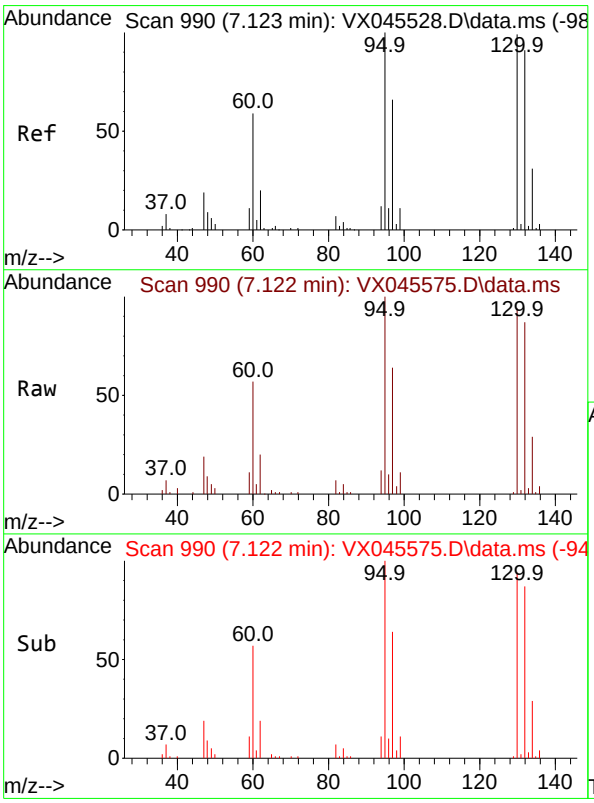
#35
Dibromofluoromethane
Concen: 51.510 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

Tgt Ion:113 Resp: 44291

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.6
192	16.6	13.8	20.6

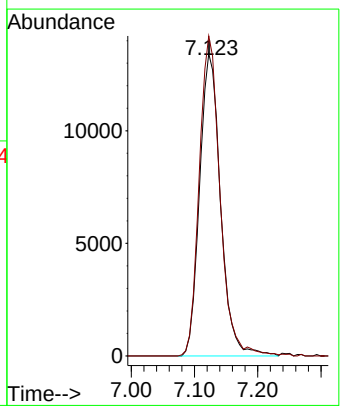


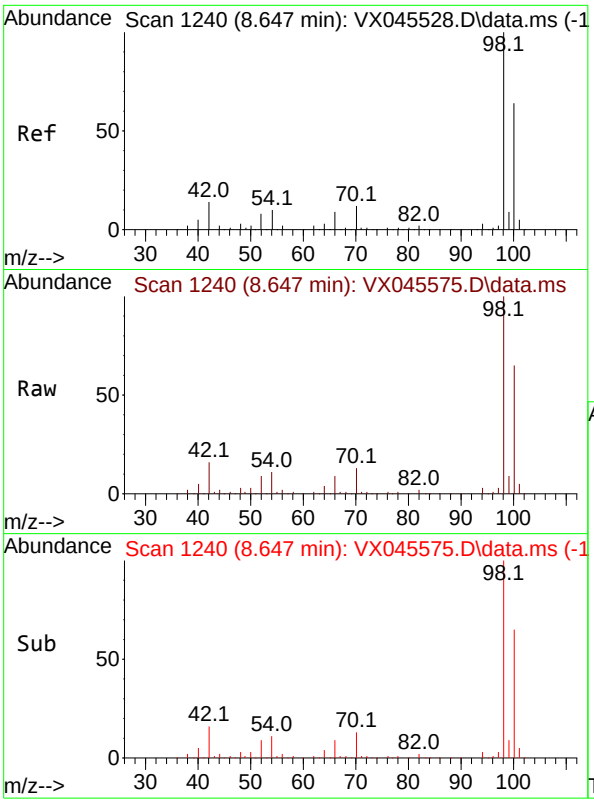


#44
Trichloroethene
Concen: 36.740 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion:130 Resp: 30963

Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	202.0



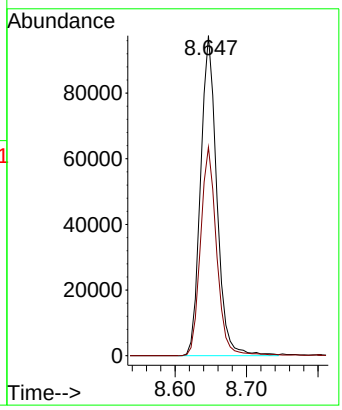


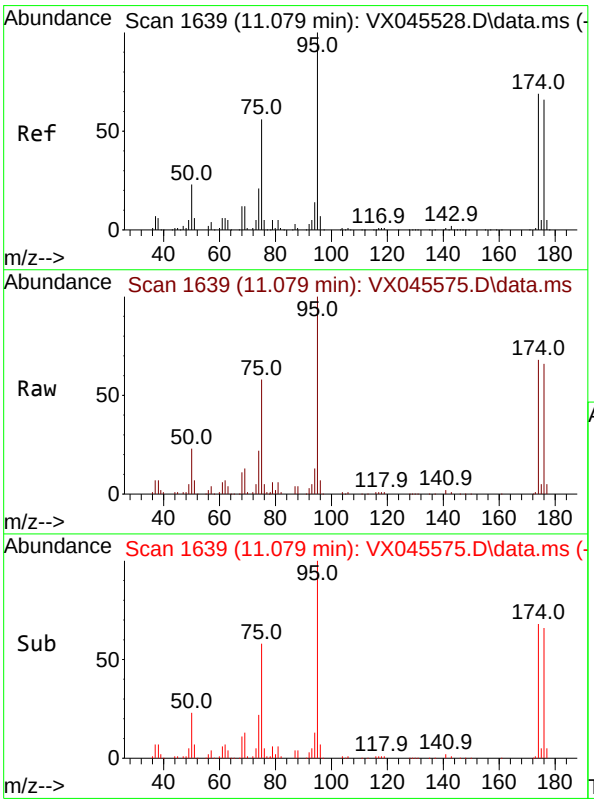
#50
Toluene-d8
Concen: 51.234 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

Tgt Ion: 98 Resp: 153765

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.4

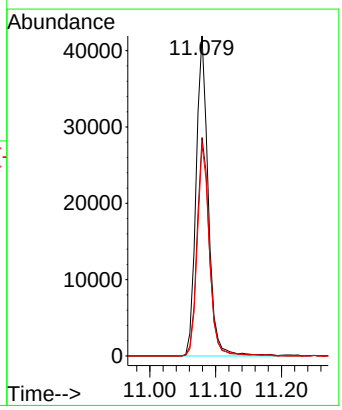


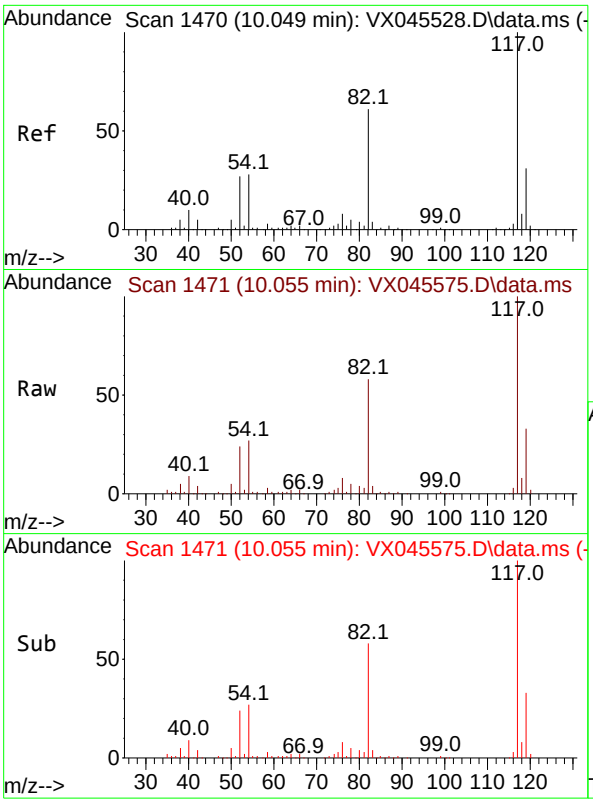


#62
4-Bromofluorobenzene
Concen: 49.144 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion: 95 Resp: 53724

Ion	Ratio	Lower	Upper
95	100		
174	68.8	0.0	135.8
176	65.5	0.0	131.4



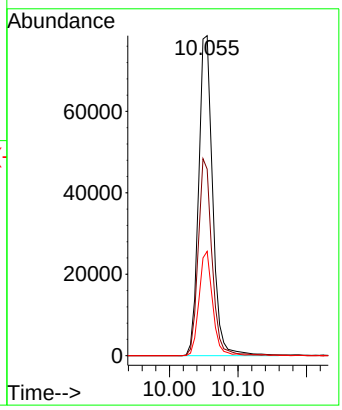


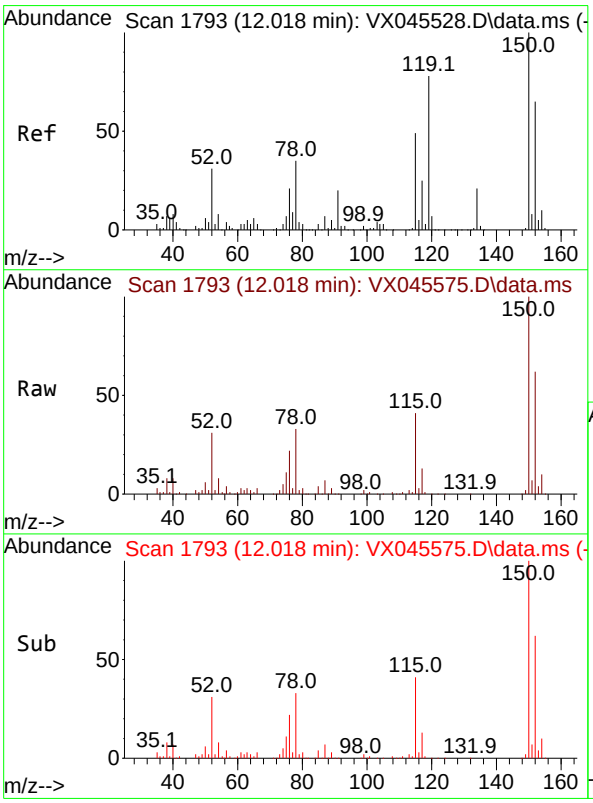
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

Tgt Ion:117 Resp: 112037

Ion	Ratio	Lower	Upper
117	100		
82	58.3	49.2	73.8
119	32.6	25.1	37.7

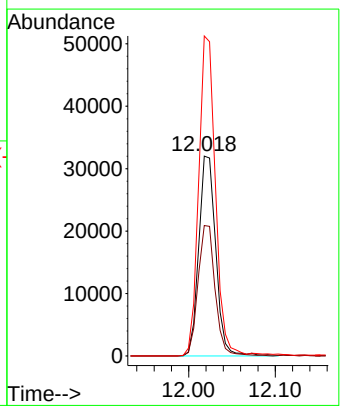




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion:152 Resp: 43792

Ion	Ratio	Lower	Upper
152	100		
115	65.5	46.9	140.7
150	158.9	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:	04/02/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/02/25
Client Sample ID:	MW-17B-55-040225	SDG No.:	Q1711
Lab Sample ID:	Q1711-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045569.D	100		04/03/25 14:27	VX040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	26.0	U	26.0	100	ug/L
75-35-4	1,1-Dichloroethene	23.0	U	23.0	100	ug/L
75-34-3	1,1-Dichloroethane	23.0	U	23.0	100	ug/L
156-59-2	cis-1,2-Dichloroethene	2200		19.0	100	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	U	20.0	100	ug/L
71-43-2	Benzene	15.0	U	15.0	100	ug/L
107-06-2	1,2-Dichloroethane	22.0	U	22.0	100	ug/L
79-01-6	Trichloroethene	11400		9.30	100	ug/L
79-00-5	1,1,2-Trichloroethane	21.0	U	21.0	100	ug/L
127-18-4	Tetrachloroethene	110		23.0	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.8		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63200	5.55			
540-36-3	1,4-Difluorobenzene	123000	6.757			
3114-55-4	Chlorobenzene-d5	111000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	41800	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\VX040325\
Data File : VX045569.D
Acq On : 03 Apr 2025 14:27
Operator : JC/MD
Sample : Q1711-04 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-040225

Quant Time: Apr 04 01:22:53 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

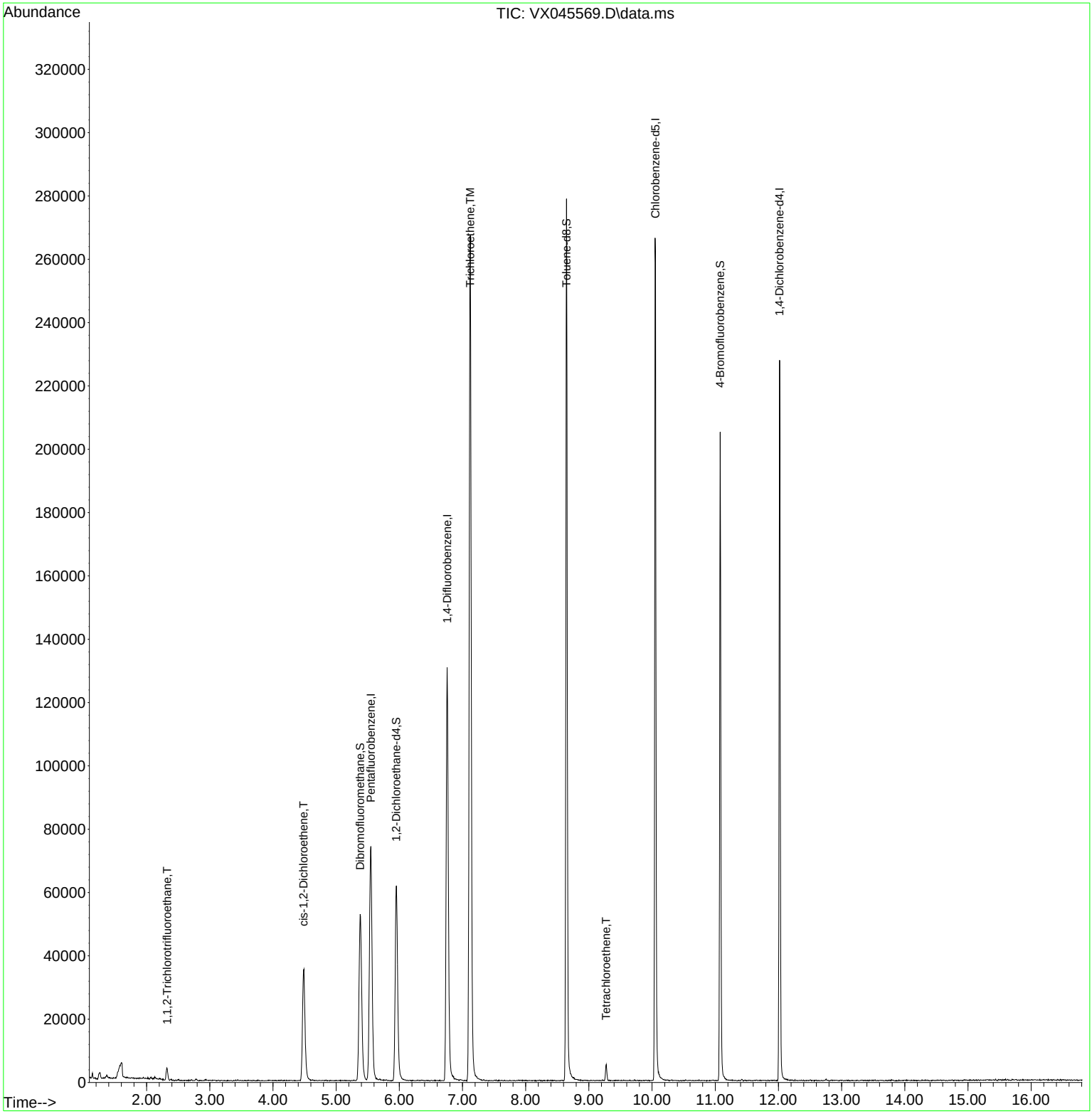
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	63215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122949	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	41790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63364	54.811	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.620%			
35) Dibromofluoromethane	5.379	113	45550	52.217	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.440%			
50) Toluene-d8	8.647	98	154375	50.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.400%			
62) 4-Bromofluorobenzene	11.079	95	51995	46.882	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.760%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	1122	1.445	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	21152	22.393	ug/l	90
44) Trichloroethene	7.123	130	97815	114.405	ug/l	95
64) Tetrachloroethene	9.275	164	887	1.132	ug/l #	87

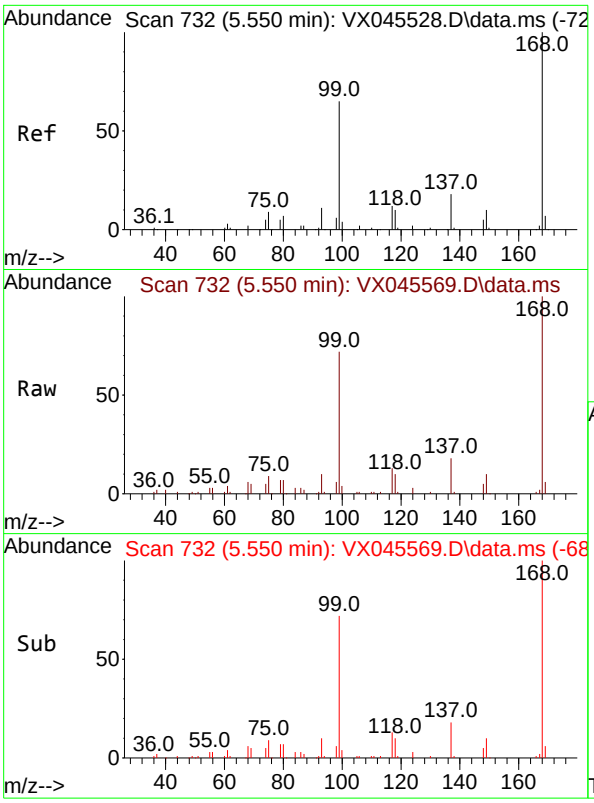
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045569.D
Acq On : 03 Apr 2025 14:27
Operator : JC/MD
Sample : Q1711-04 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-040225

Quant Time: Apr 04 01:22:53 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



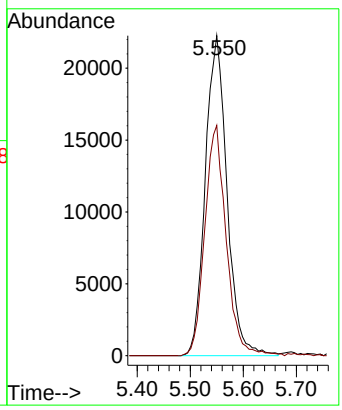


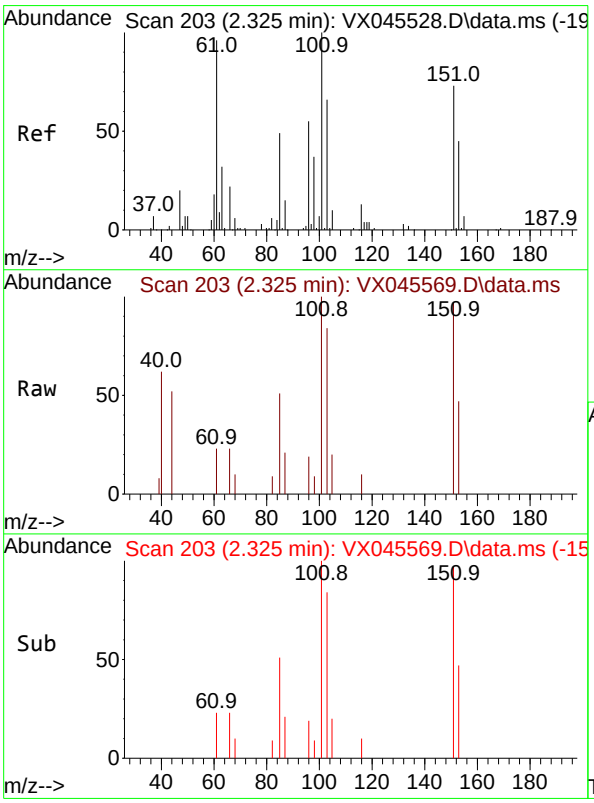
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045569.D
Acq: 03 Apr 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-040225

Tgt Ion:168 Resp: 63215

Ion	Ratio	Lower	Upper
168	100		
99	72.0	52.3	78.5

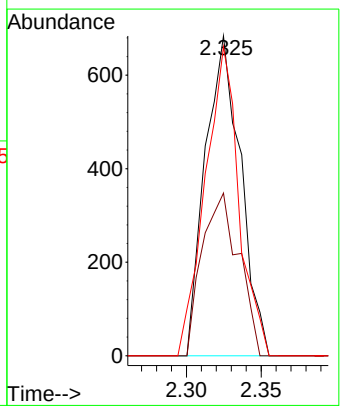


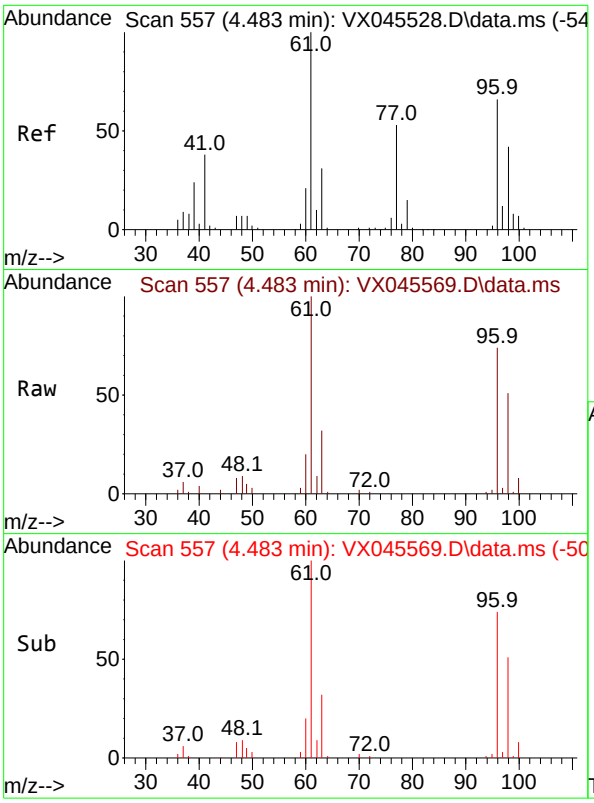


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.445 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX045569.D
Acq: 03 Apr 2025 14:27

Tgt Ion:101 Resp: 1122

Ion	Ratio	Lower	Upper
101	100		
85	52.9	38.9	58.3
151	92.4	57.5	86.3#



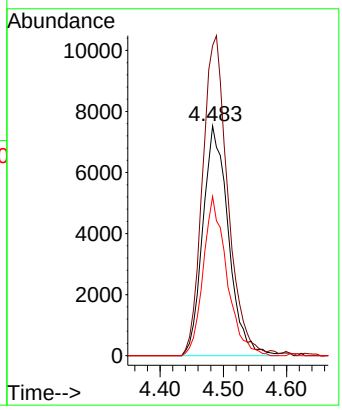


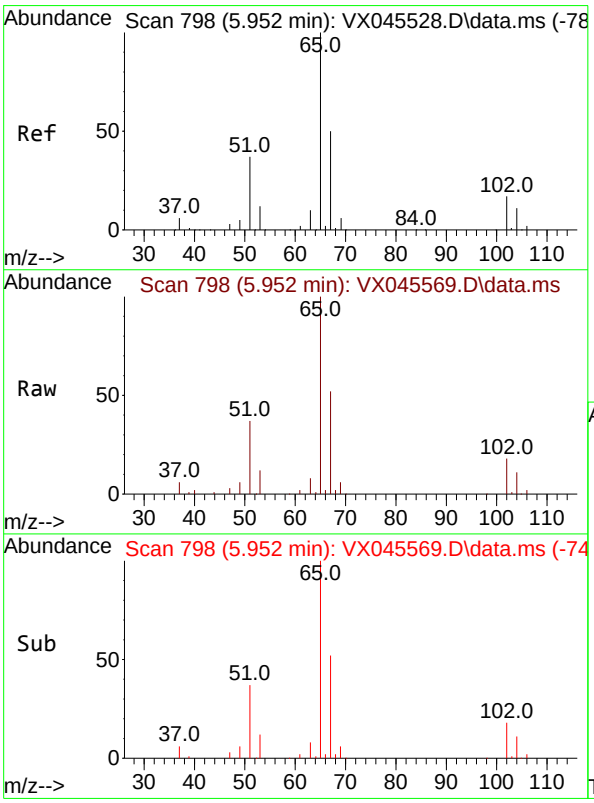
#27
cis-1,2-Dichloroethene
Concen: 22.393 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045569.D
Acq: 03 Apr 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-040225

Tgt Ion: 96 Resp: 21152

Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	313.2
98	64.1	0.0	126.4

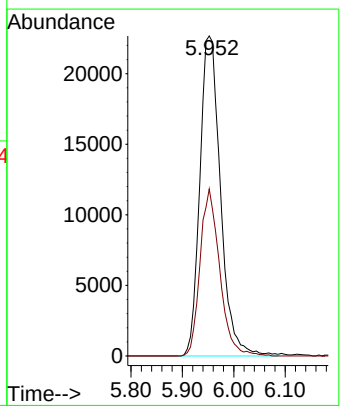


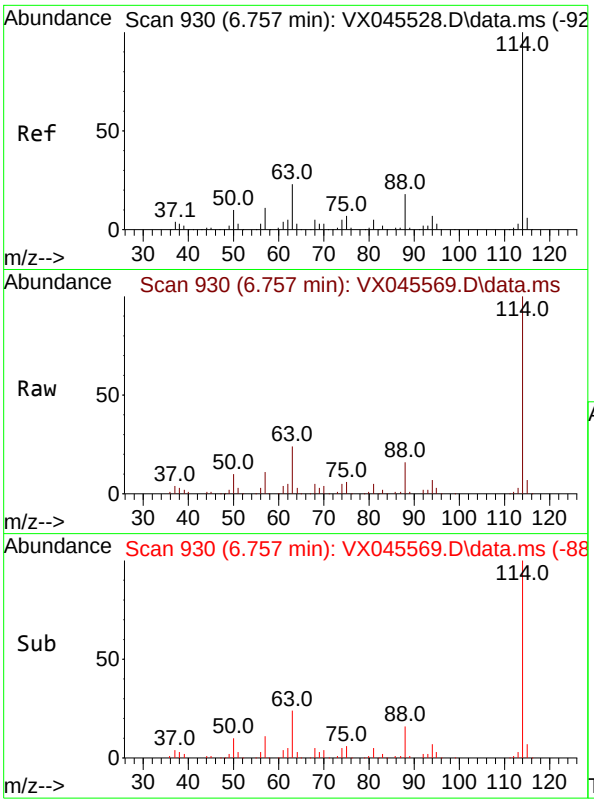


#33
1,2-Dichloroethane-d4
Concen: 54.811 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045569.D
Acq: 03 Apr 2025 14:27

Tgt Ion: 65 Resp: 63364

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0



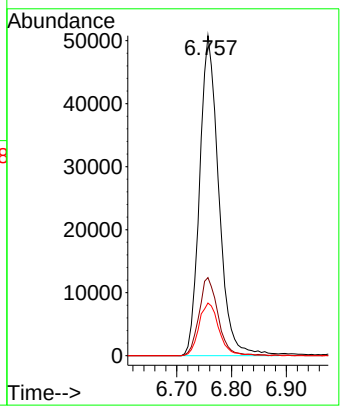


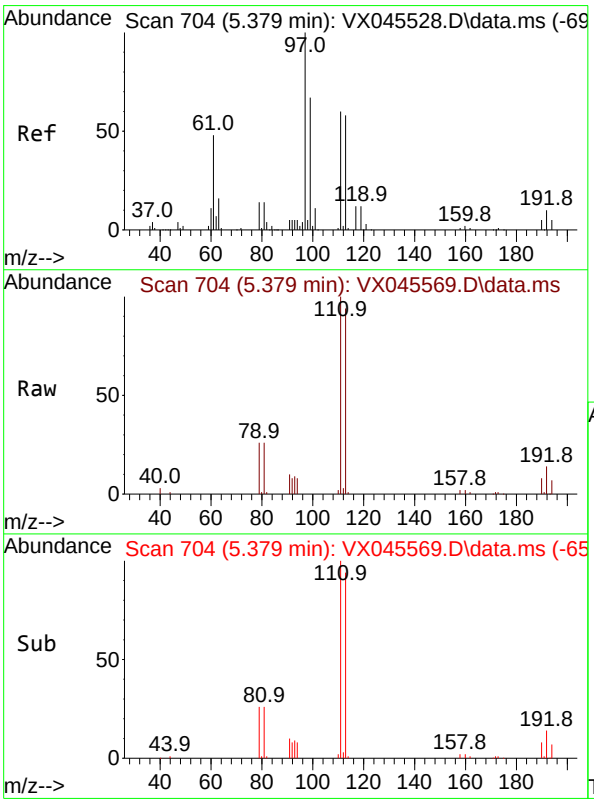
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045569.D
Acq: 03 Apr 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-040225

Tgt Ion:114 Resp: 122949

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	46.8
88	16.5	0.0	35.4

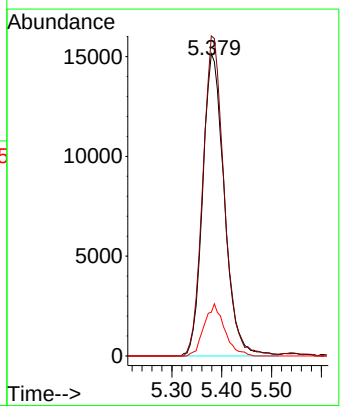


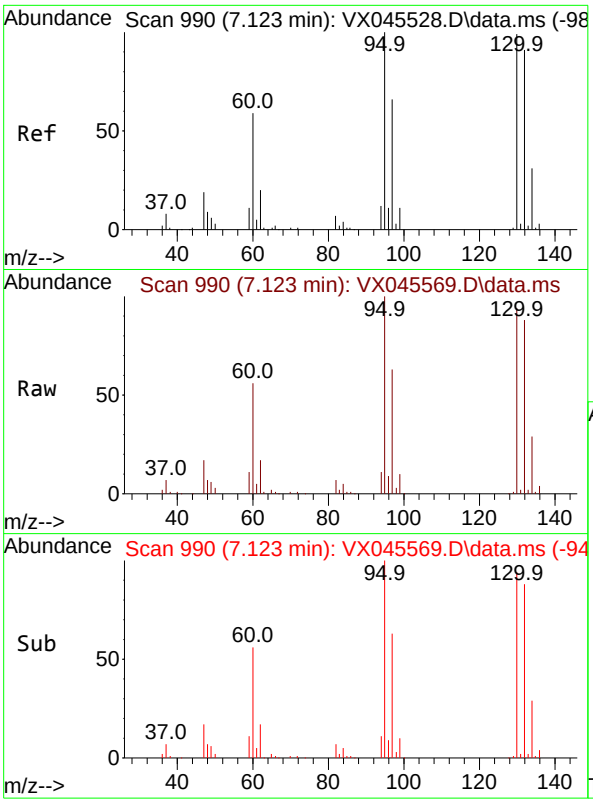


#35
Dibromofluoromethane
Concen: 52.217 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045569.D
Acq: 03 Apr 2025 14:27

Tgt Ion:113 Resp: 45550

Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.8	122.6
192	16.3	13.8	20.6



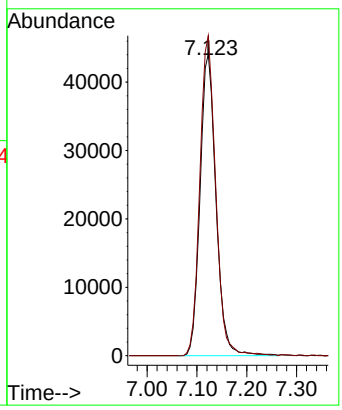


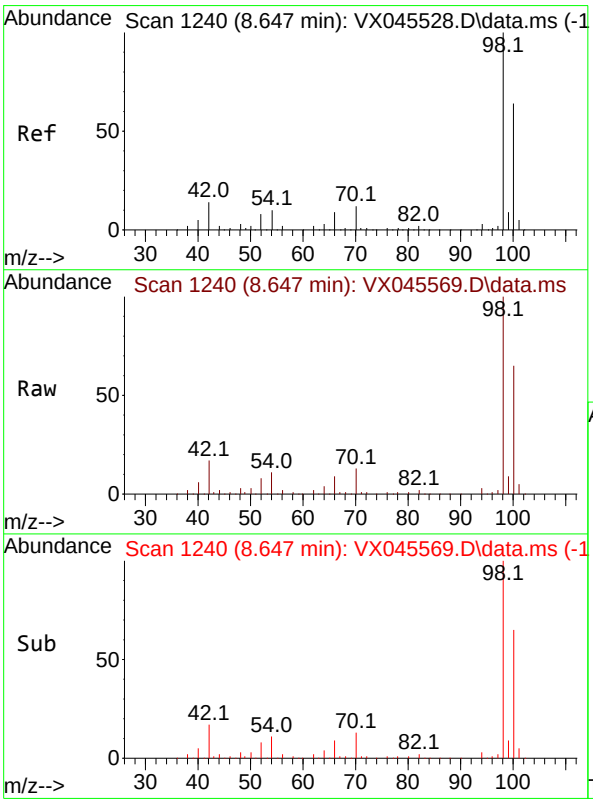
#44
Trichloroethene
Concen: 114.405 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045569.D
Acq: 03 Apr 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-040225

Tgt Ion:130 Resp: 97815

Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	202.0

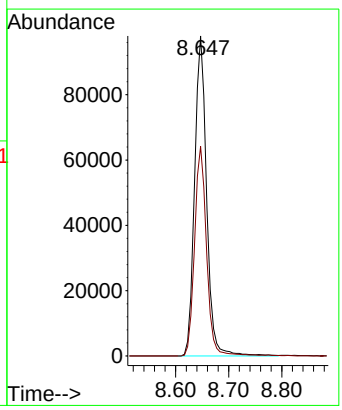


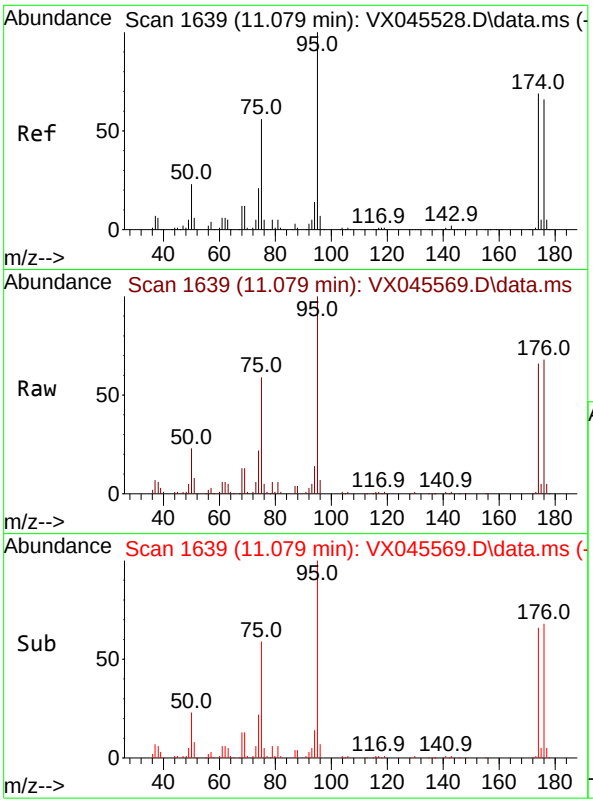


#50
Toluene-d8
Concen: 50.702 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045569.D
Acq: 03 Apr 2025 14:27

Tgt Ion: 98 Resp: 154375

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.4



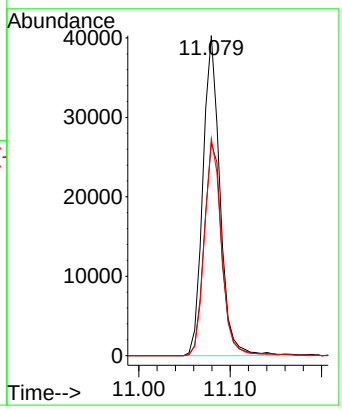


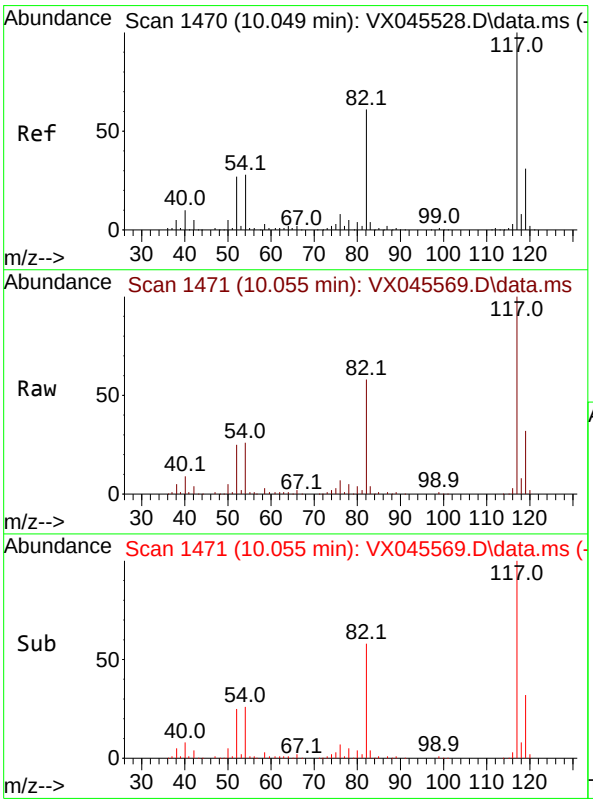
#62
4-Bromofluorobenzene
Concen: 46.882 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045569.D
Acq: 03 Apr 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-040225

Tgt Ion: 95 Resp: 51995

Ion	Ratio	Lower	Upper
95	100		
174	69.3	0.0	135.8
176	68.1	0.0	131.4

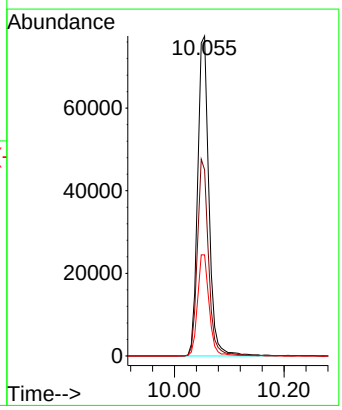


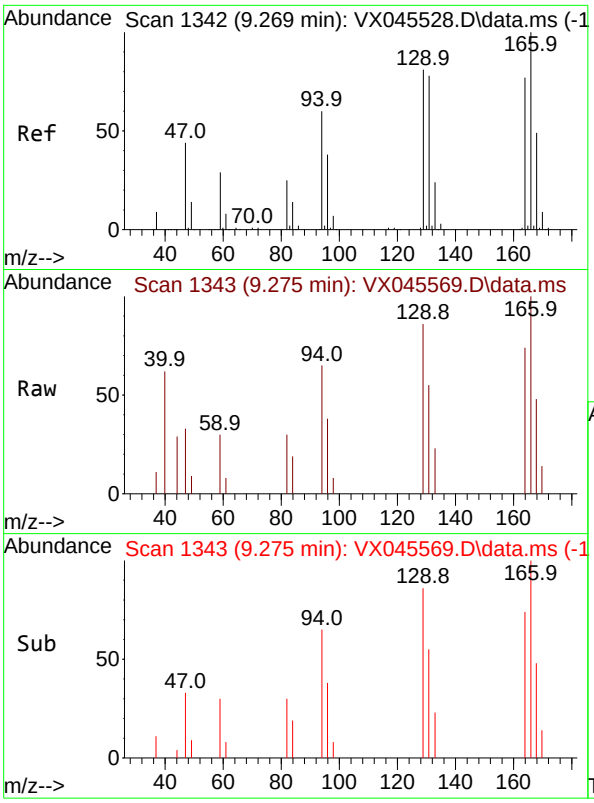


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045569.D
Acq: 03 Apr 2025 14:27

Tgt Ion:117 Resp: 111016

Ion	Ratio	Lower	Upper
117	100		
82	58.2	49.2	73.8
119	31.6	25.1	37.7



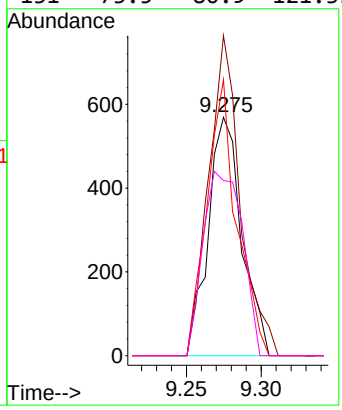


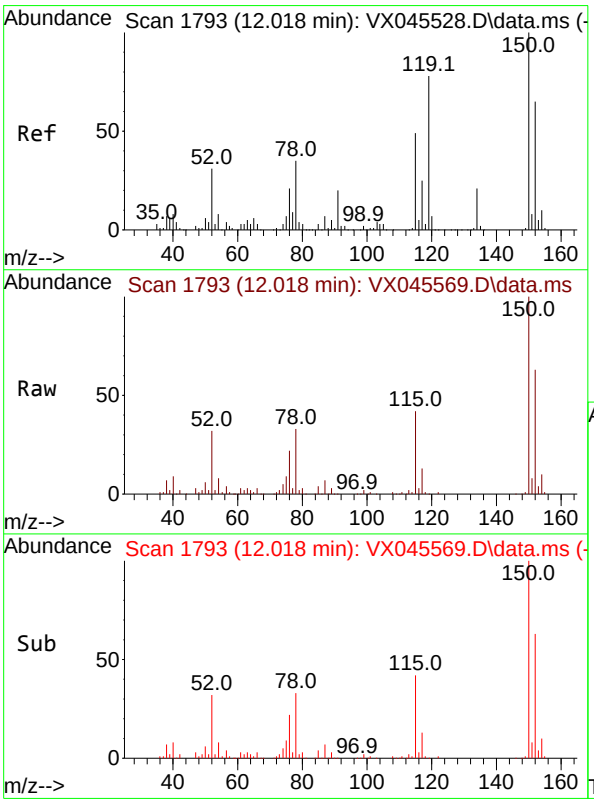
#64
Tetrachloroethene
Concen: 1.132 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045569.D
Acq: 03 Apr 2025 14:27

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-55-040225

Tgt Ion:164 Resp: 887

Ion	Ratio	Lower	Upper
164	100		
166	134.3	103.8	155.8
129	115.8	84.3	126.5
131	73.5	80.9	121.3#

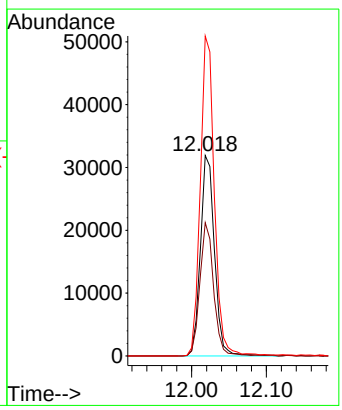




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045569.D
Acq: 03 Apr 2025 14:27

Tgt Ion:152 Resp: 41790

Ion	Ratio	Lower	Upper
152	100		
115	65.3	46.9	140.7
150	159.4	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:	04/02/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/02/25
Client Sample ID:	RMW-05B-89-040225	SDG No.:	Q1711
Lab Sample ID:	Q1711-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045568.D	1		04/03/25 14:04	VX040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.60		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	4.00		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63800	5.55			
540-36-3	1,4-Difluorobenzene	125000	6.757			
3114-55-4	Chlorobenzene-d5	116000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	47000	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\VX040325\
Data File : VX045568.D
Acq On : 03 Apr 2025 14:04
Operator : JC/MD
Sample : Q1711-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-89-040225

Quant Time: Apr 04 01:22:25 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

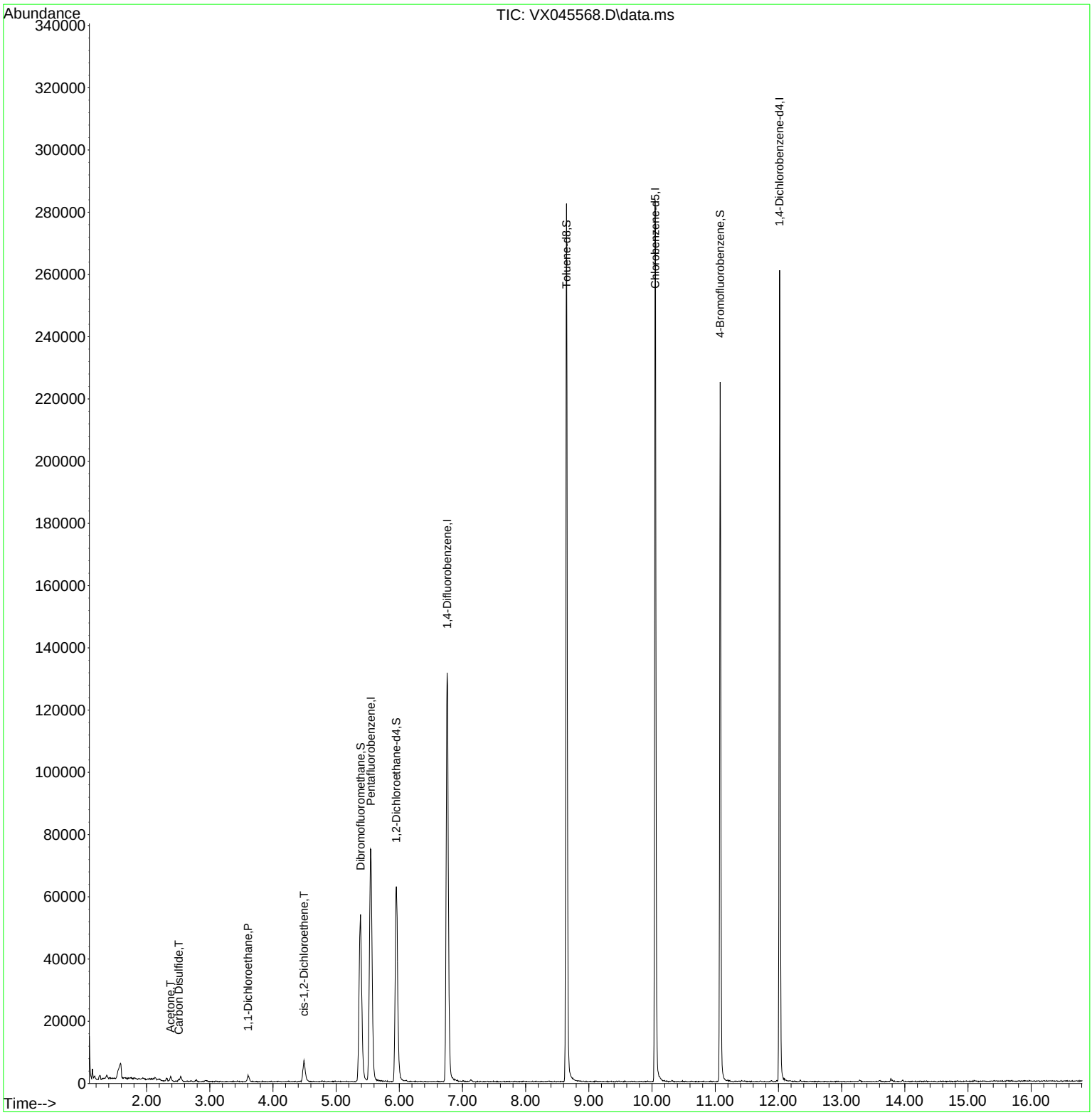
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	63845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125144	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64496	55.240	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.480%			
35) Dibromofluoromethane	5.385	113	46192	52.024	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.040%			
50) Toluene-d8	8.647	98	156862	50.615	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.240%			
62) 4-Bromofluorobenzene	11.079	95	57168	50.643	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.280%			
Target Compounds						Qvalue
16) Acetone	2.379	43	1776	3.704	ug/l	97
17) Carbon Disulfide	2.507	76	819	0.433	ug/l #	90
24) 1,1-Dichloroethane	3.605	63	2586	1.596	ug/l #	91
27) cis-1,2-Dichloroethene	4.489	96	3859	4.045	ug/l	91

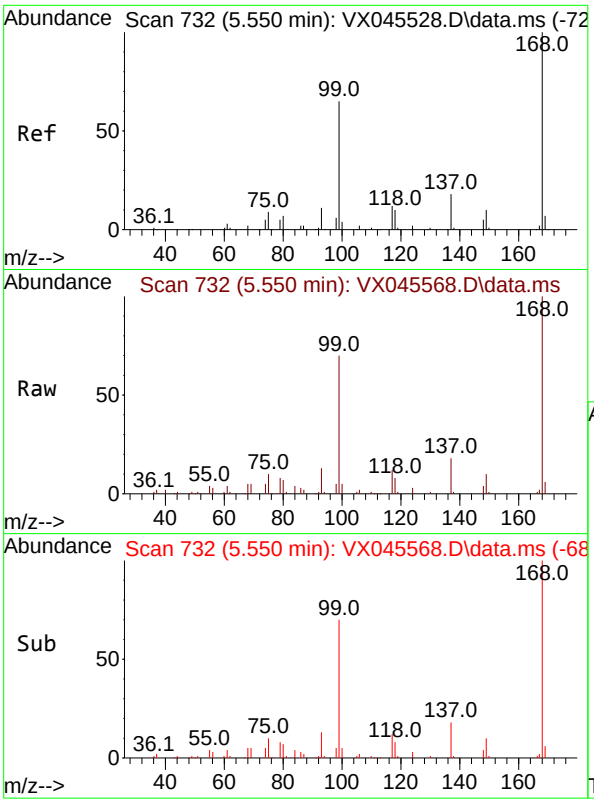
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045568.D
Acq On : 03 Apr 2025 14:04
Operator : JC/MD
Sample : Q1711-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-89-040225

Quant Time: Apr 04 01:22:25 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



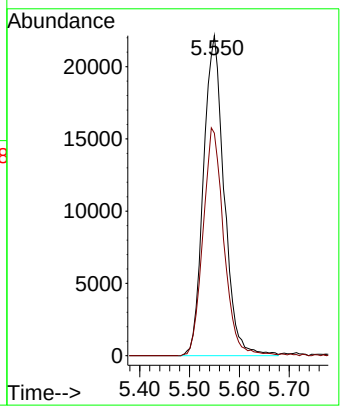


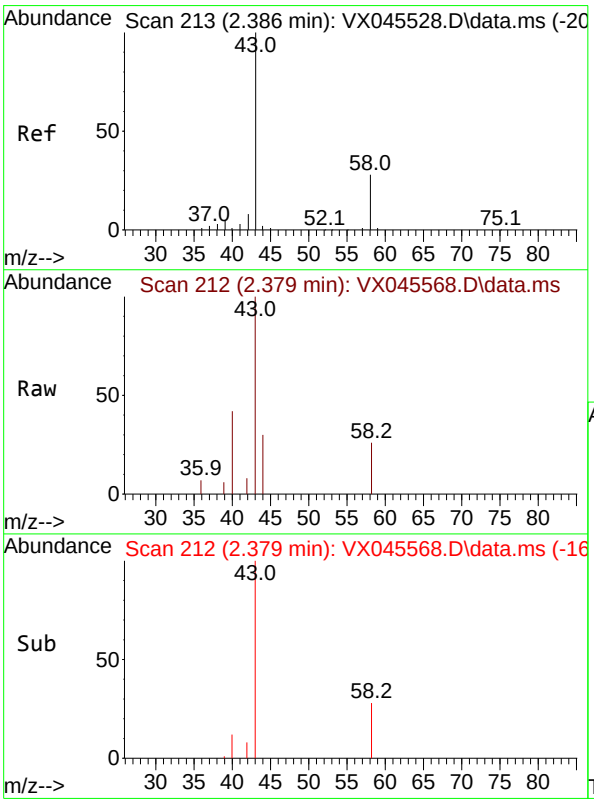
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045568.D
Acq: 03 Apr 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-89-040225

Tgt Ion:168 Resp: 63845

Ion	Ratio	Lower	Upper
168	100		
99	69.6	52.3	78.5

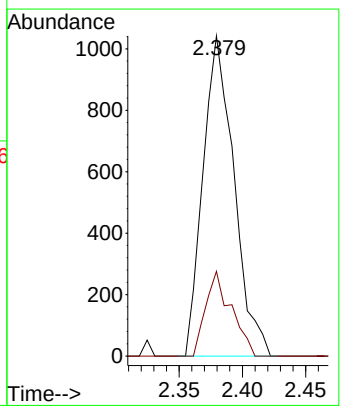


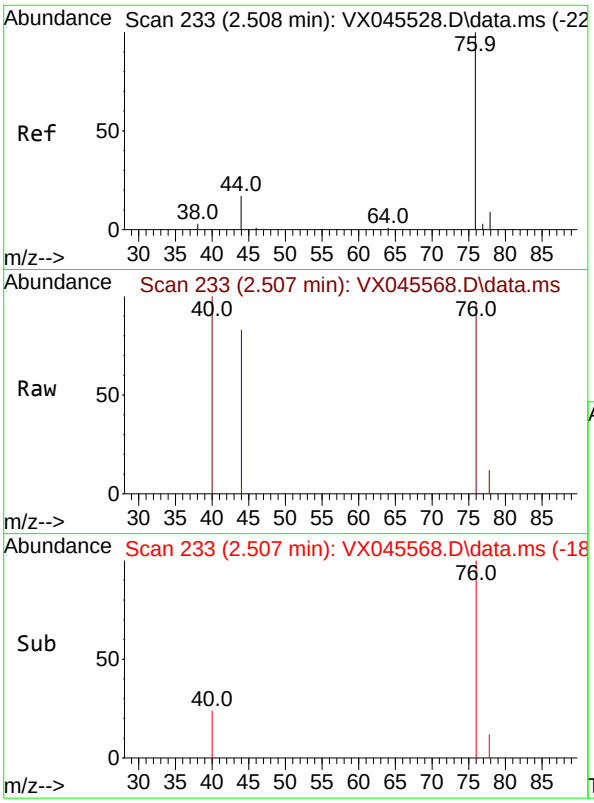


#16
Acetone
Concen: 3.704 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045568.D
Acq: 03 Apr 2025 14:04

Tgt Ion: 43 Resp: 1776

Ion	Ratio	Lower	Upper
43	100		
58	26.5	22.3	33.5



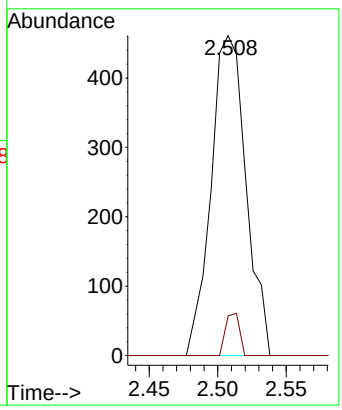


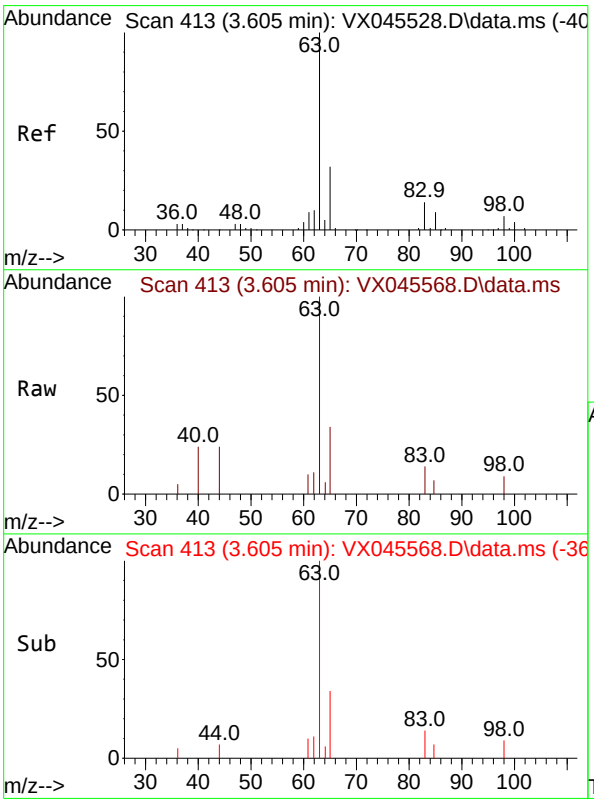
#17
Carbon Disulfide
Concen: 0.433 ug/l
RT: 2.507 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045568.D
Acq: 03 Apr 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-89-040225

Tgt Ion: 76 Resp: 819

Ion	Ratio	Lower	Upper
76	100		
78	12.4	7.0	10.6#

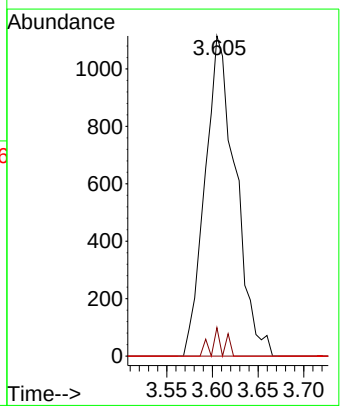


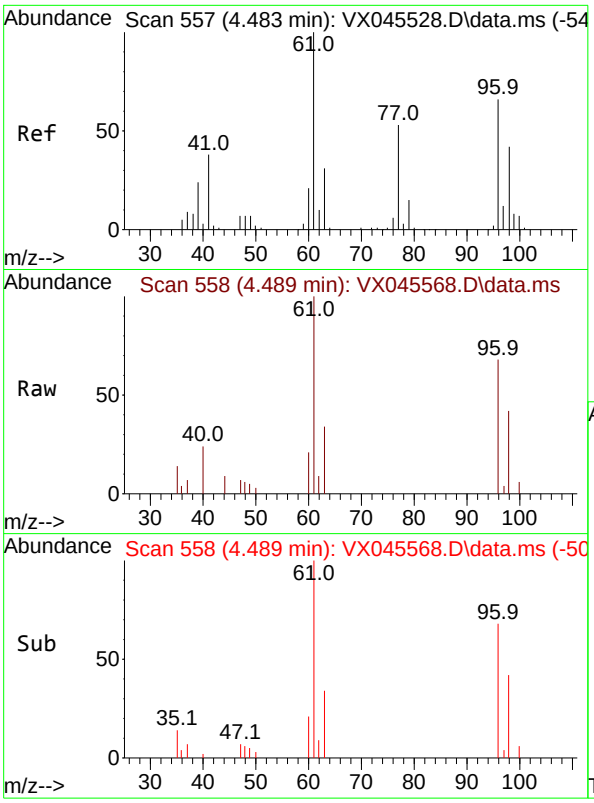


#24
1,1-Dichloroethane
Concen: 1.596 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045568.D
Acq: 03 Apr 2025 14:04

Tgt Ion: 63 Resp: 2586

Ion	Ratio	Lower	Upper
63	100		
98	8.9	3.4	10.1
100	0.0	2.2	6.6#



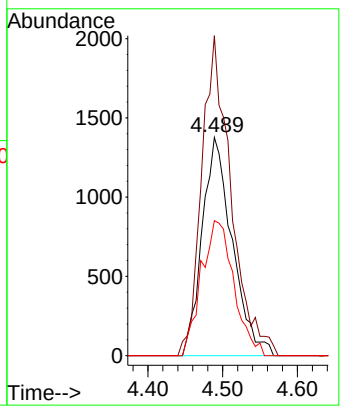


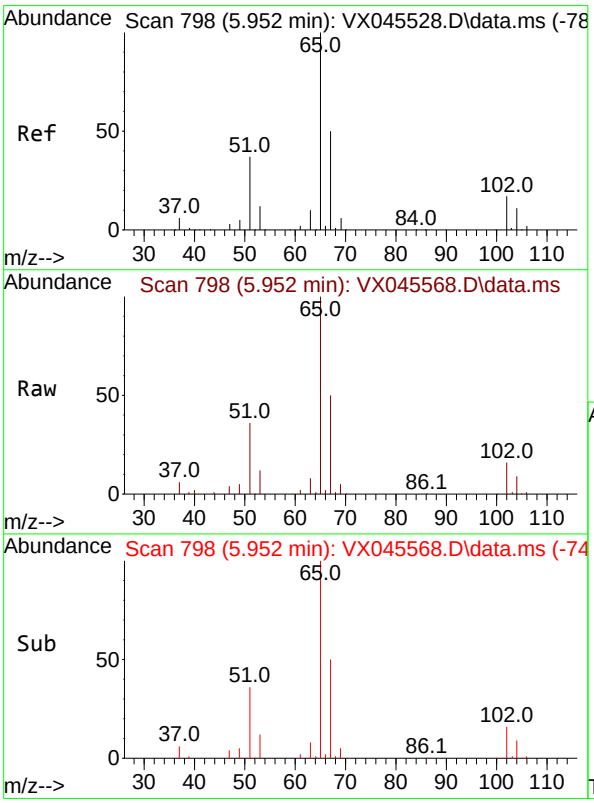
#27
cis-1,2-Dichloroethene
Concen: 4.045 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045568.D
Acq: 03 Apr 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-89-040225

Tgt Ion: 96 Resp: 3859

Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	313.2
98	66.6	0.0	126.4

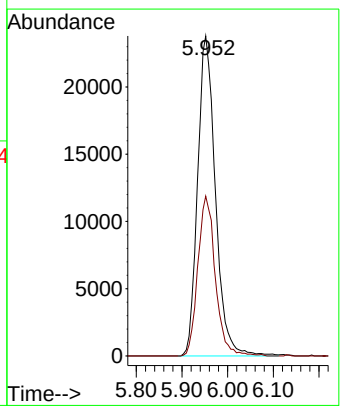


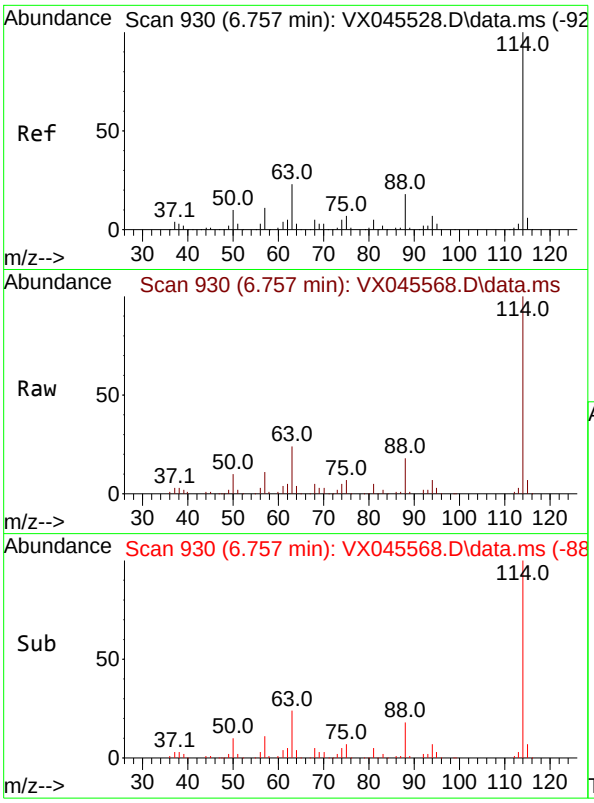


#33
1,2-Dichloroethane-d4
Concen: 55.240 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045568.D
Acq: 03 Apr 2025 14:04

Tgt Ion: 65 Resp: 64496

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	99.0



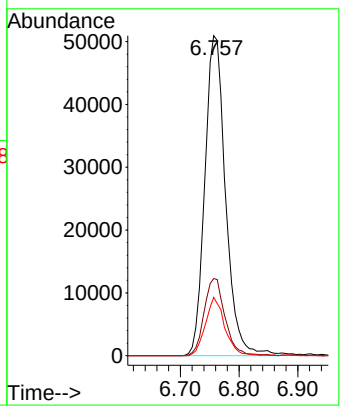


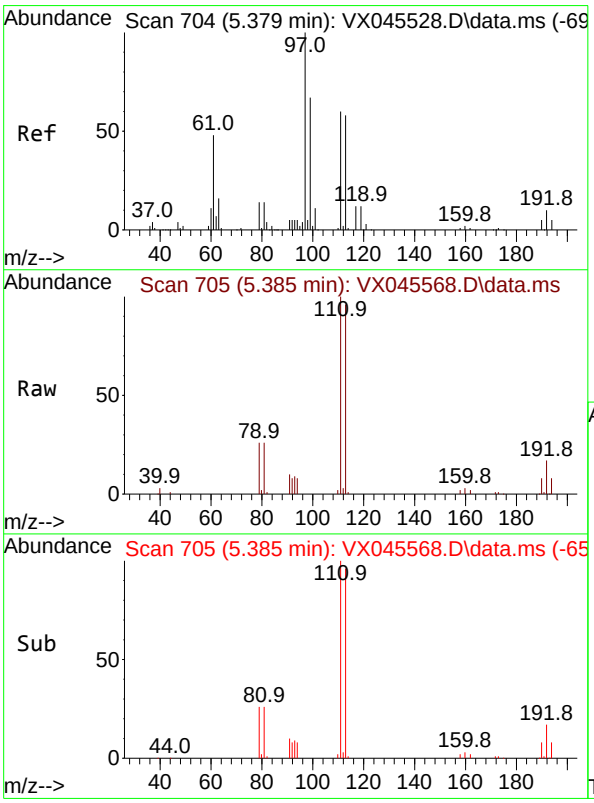
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045568.D
Acq: 03 Apr 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-89-040225

Tgt Ion:114 Resp: 125144

Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	46.8
88	18.2	0.0	35.4

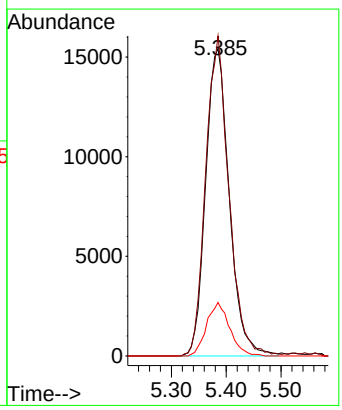


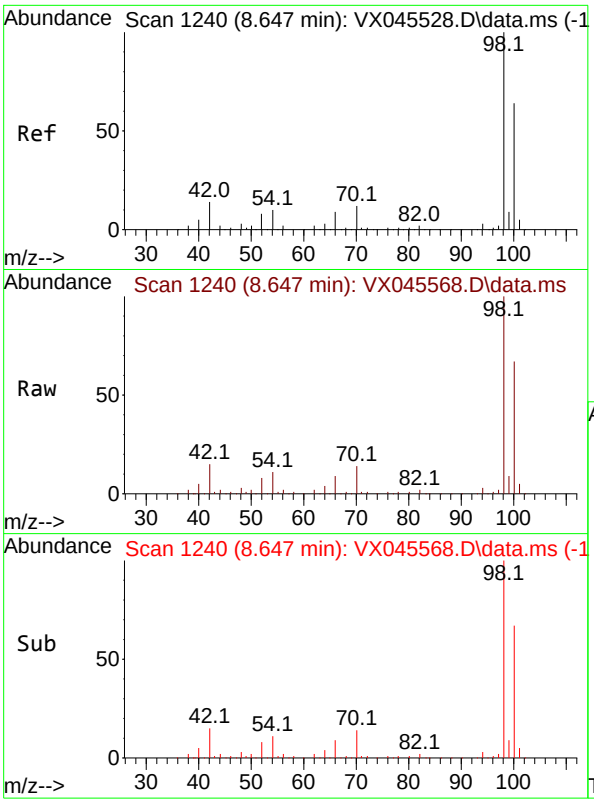


#35
Dibromofluoromethane
Concen: 52.024 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045568.D
Acq: 03 Apr 2025 14:04

Tgt Ion:113 Resp: 46192

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	17.0	13.8	20.6



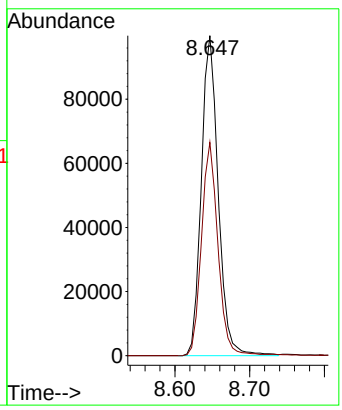


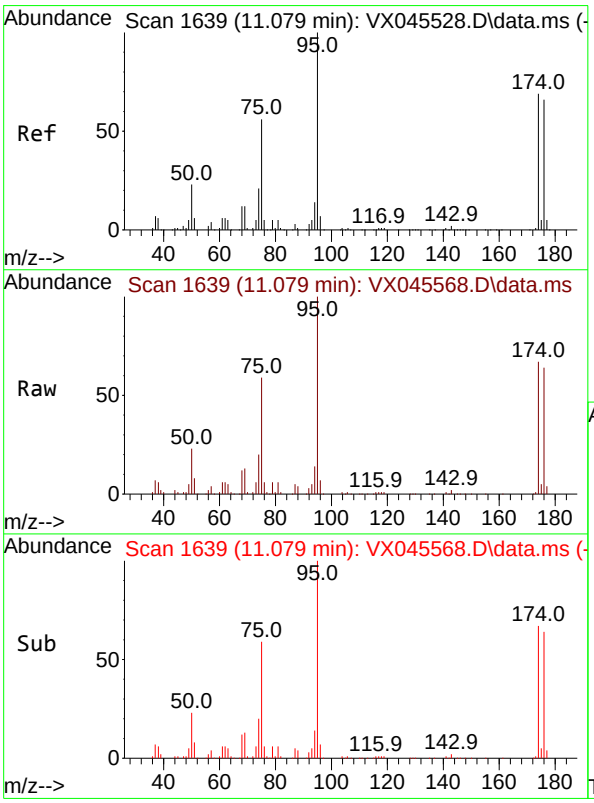
#50
Toluene-d8
Concen: 50.615 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045568.D
Acq: 03 Apr 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-89-040225

Tgt Ion: 98 Resp: 156862

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.4

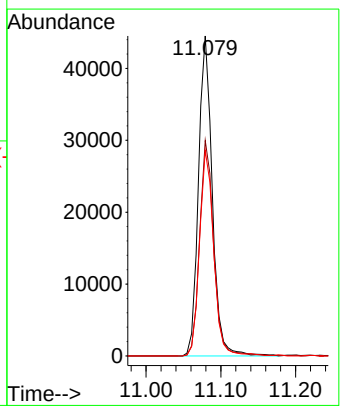


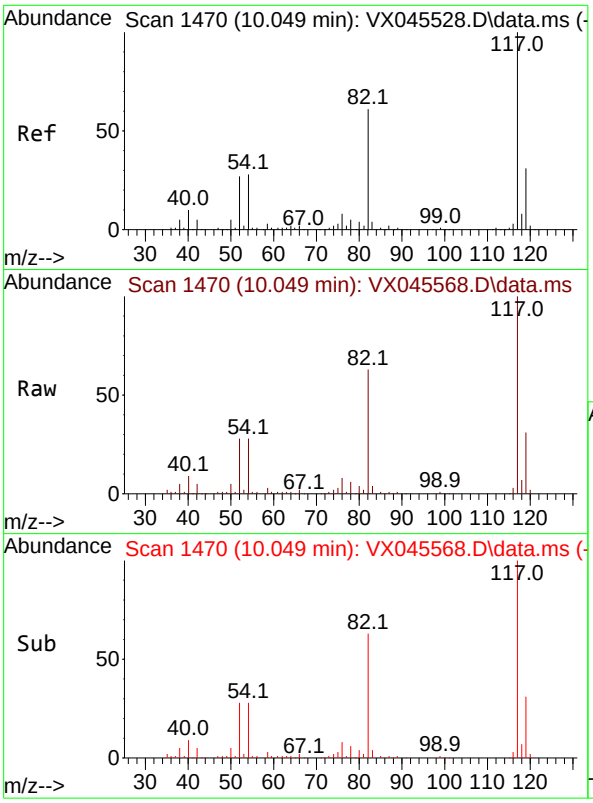


#62
4-Bromofluorobenzene
Concen: 50.643 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045568.D
Acq: 03 Apr 2025 14:04

Tgt Ion: 95 Resp: 57168

Ion	Ratio	Lower	Upper
95	100		
174	68.6	0.0	135.8
176	65.9	0.0	131.4



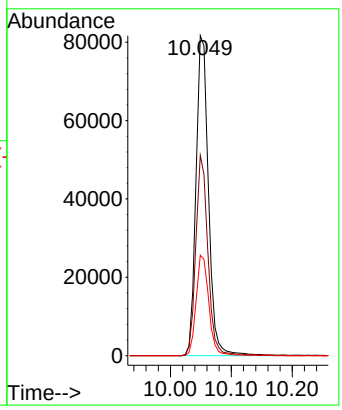


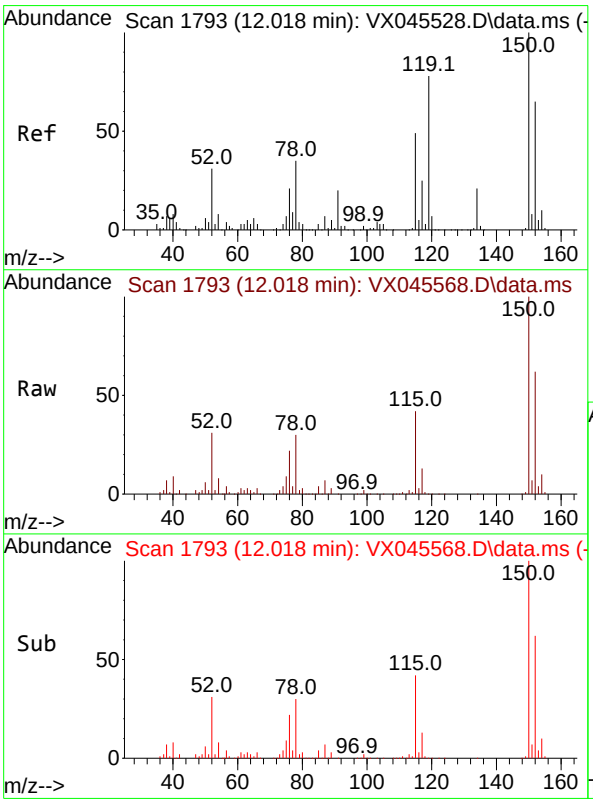
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045568.D
Acq: 03 Apr 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-89-040225

Tgt Ion:117 Resp: 116415

Ion	Ratio	Lower	Upper
117	100		
82	62.6	49.2	73.8
119	31.4	25.1	37.7

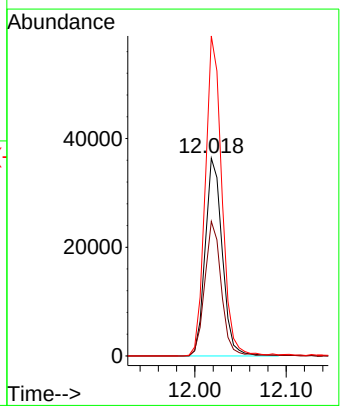




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045568.D
Acq: 03 Apr 2025 14:04

Tgt Ion:152 Resp: 47044

Ion	Ratio	Lower	Upper
152	100		
115	66.3	46.9	140.7
150	157.6	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:	04/02/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/02/25
Client Sample ID:	EB01-040225	SDG No.:	Q1711
Lab Sample ID:	Q1711-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045572.D	1		04/03/25 15:37	VX040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63300	5.543			
540-36-3	1,4-Difluorobenzene	123000	6.757			
3114-55-4	Chlorobenzene-d5	114000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	46600	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\VX040325\
Data File : VX045572.D
Acq On : 03 Apr 2025 15:37
Operator : JC/MD
Sample : Q1711-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB01-040225

Quant Time: Apr 04 01:24:01 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

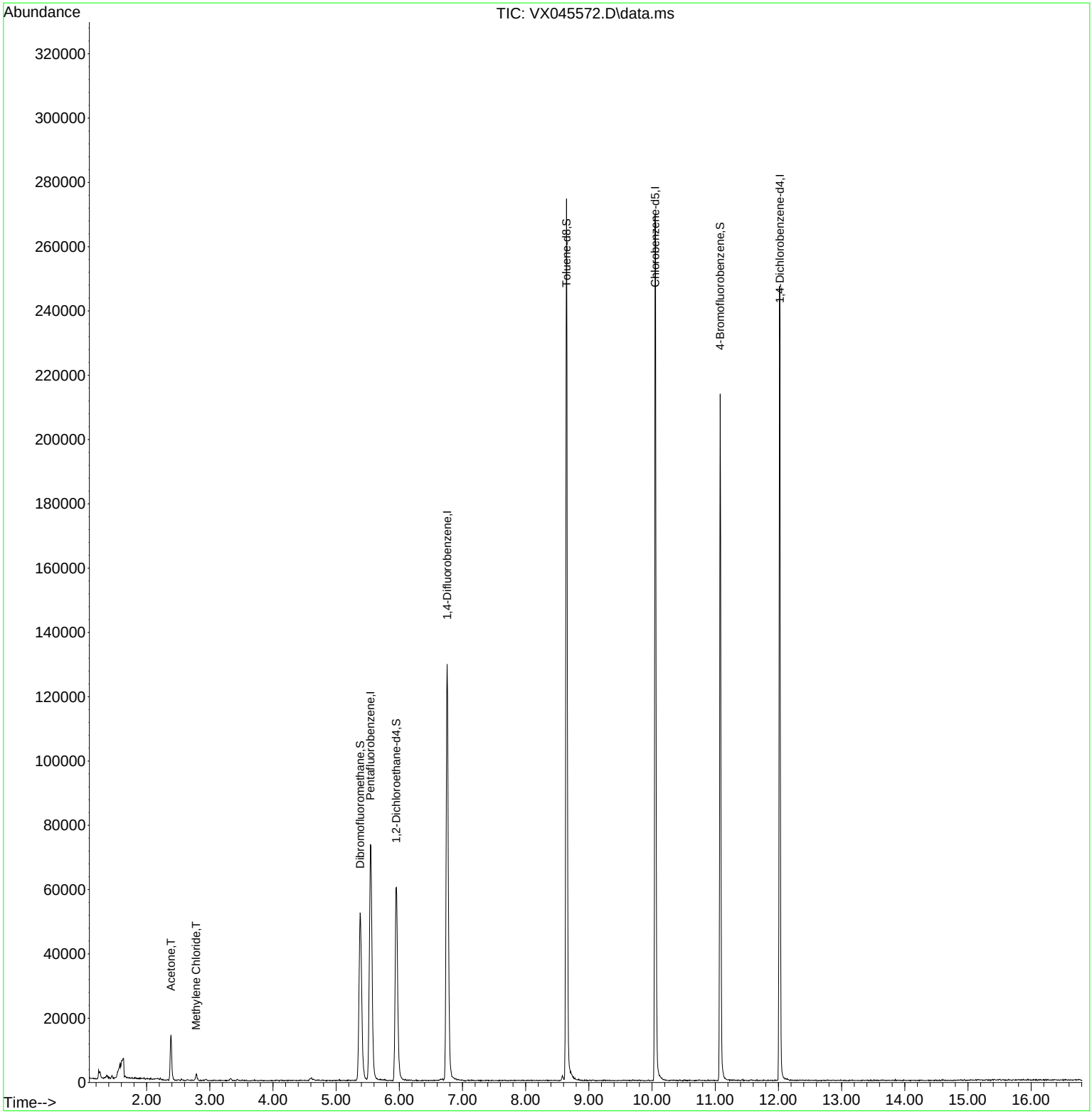
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	63287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123377	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	114226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61834	53.427	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.860%			
35) Dibromofluoromethane	5.379	113	44624	50.978	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.960%			
50) Toluene-d8	8.646	98	155462	50.882	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.760%			
62) 4-Bromofluorobenzene	11.079	95	55448	49.822	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.640%			
Target Compounds						Qvalue
16) Acetone	2.385	43	15475	32.562	ug/l	99
20) Methylene Chloride	2.782	84	895	1.006	ug/l	96

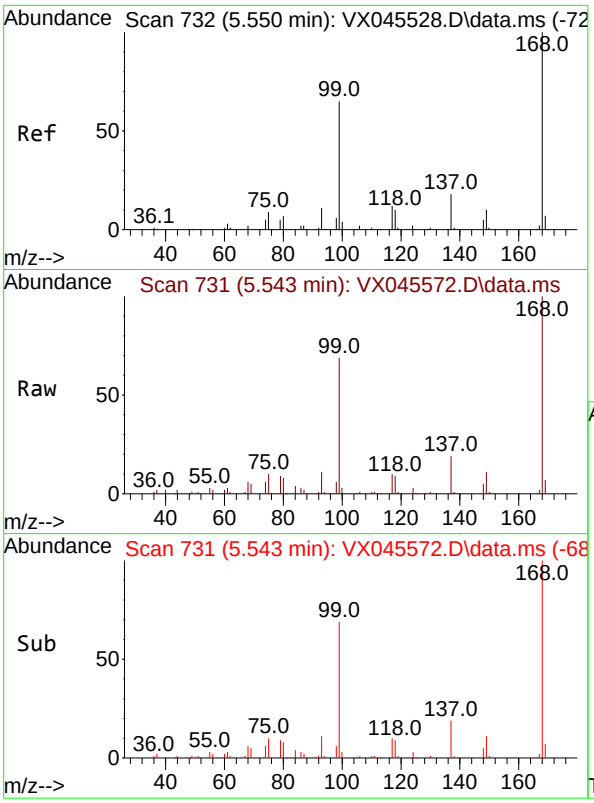
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045572.D
Acq On : 03 Apr 2025 15:37
Operator : JC/MD
Sample : Q1711-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB01-040225

Quant Time: Apr 04 01:24:01 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



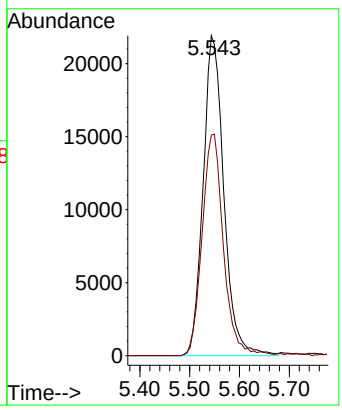


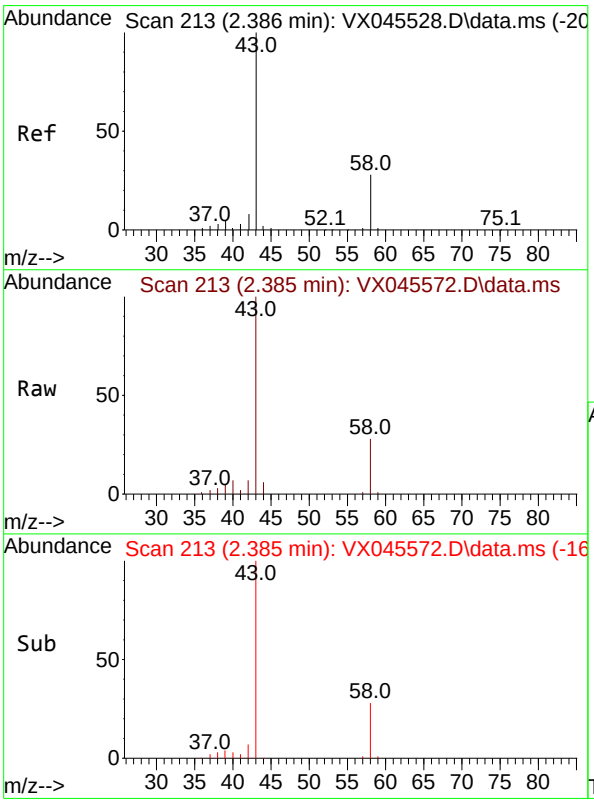
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045572.D
Acq: 03 Apr 2025 15:37

Instrument :
MSVOA_X
ClientSampleId :
EB01-040225

Tgt Ion:168 Resp: 63287

Ion	Ratio	Lower	Upper
168	100		
99	68.9	52.3	78.5

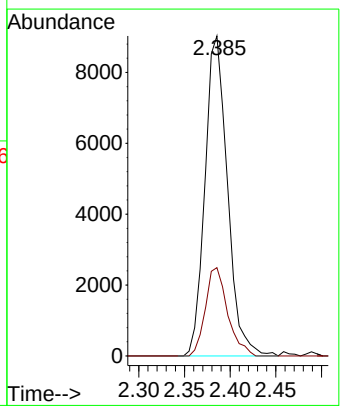


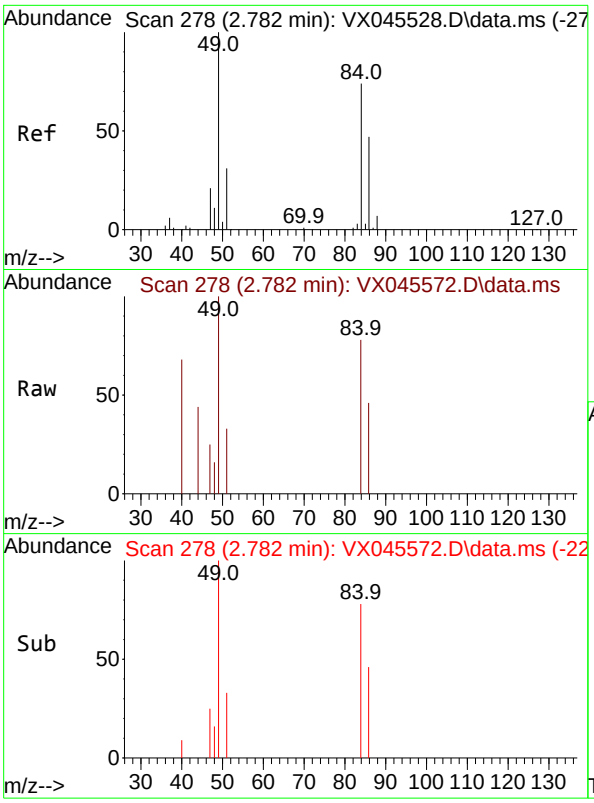


#16
Acetone
Concen: 32.562 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045572.D
Acq: 03 Apr 2025 15:37

Tgt Ion: 43 Resp: 15475

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.3	33.5



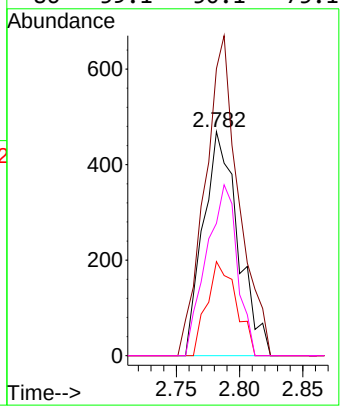


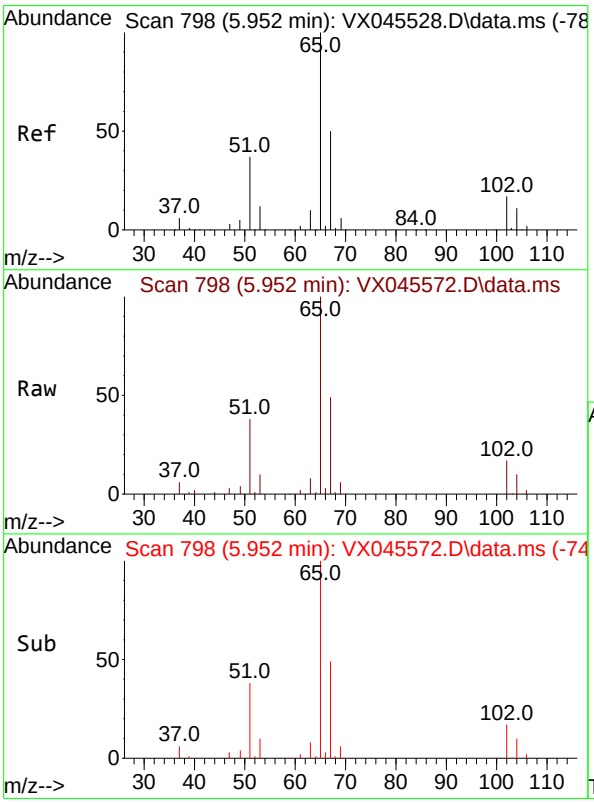
#20
Methylene Chloride
Concen: 1.006 ug/l
RT: 2.782 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045572.D
Acq: 03 Apr 2025 15:37

Instrument :
MSVOA_X
ClientSampleId :
EB01-040225

Tgt Ion: 84 Resp: 895

Ion	Ratio	Lower	Upper
84	100		
49	128.1	107.5	161.3
51	42.0	33.0	49.6
86	59.1	50.1	75.1

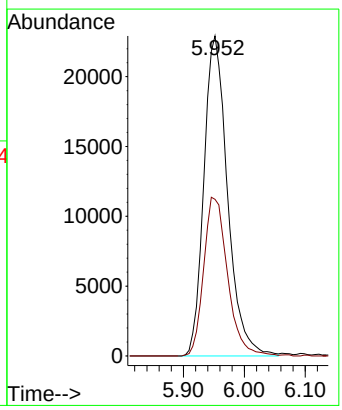


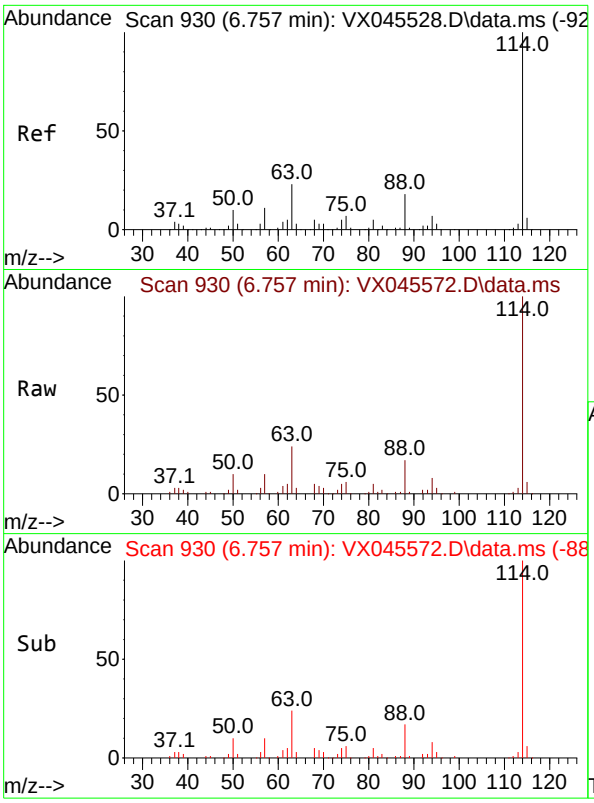


#33
1,2-Dichloroethane-d4
Concen: 53.427 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045572.D
Acq: 03 Apr 2025 15:37

Tgt Ion: 65 Resp: 61834

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.0



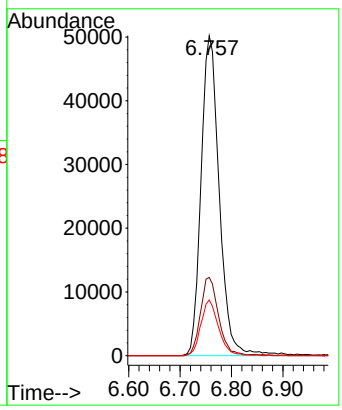


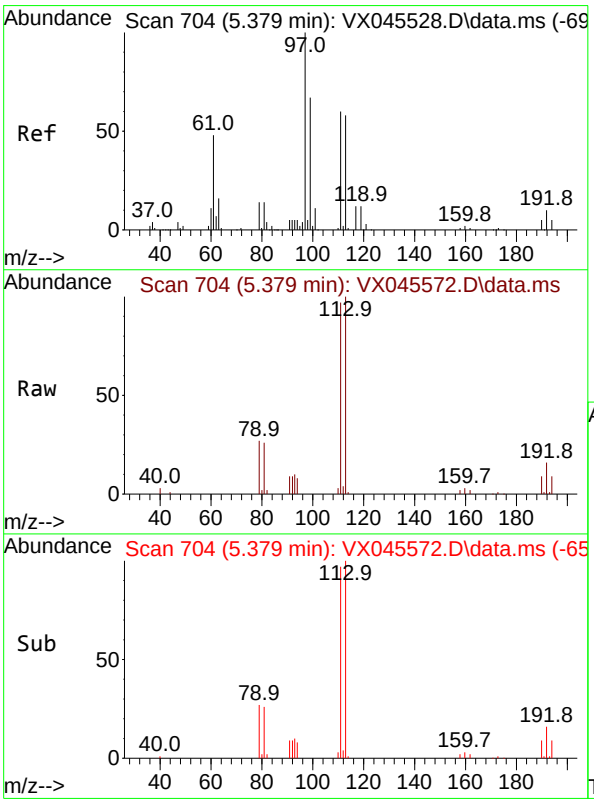
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045572.D
Acq: 03 Apr 2025 15:37

Instrument :
MSVOA_X
ClientSampleId :
EB01-040225

Tgt Ion:114 Resp: 123377

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	46.8
88	17.4	0.0	35.4

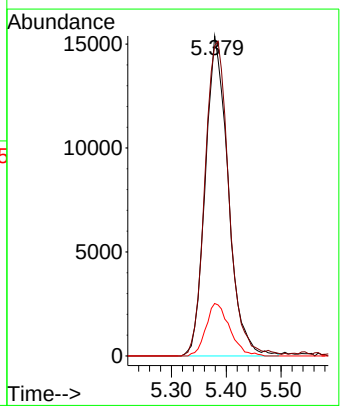


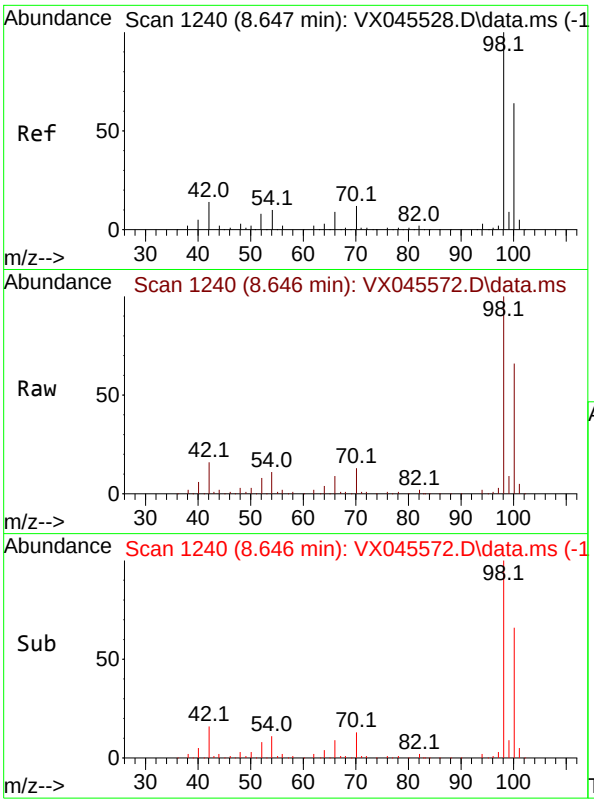


#35
Dibromofluoromethane
Concen: 50.978 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045572.D
Acq: 03 Apr 2025 15:37

Tgt Ion:113 Resp: 44624

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	17.0	13.8	20.6



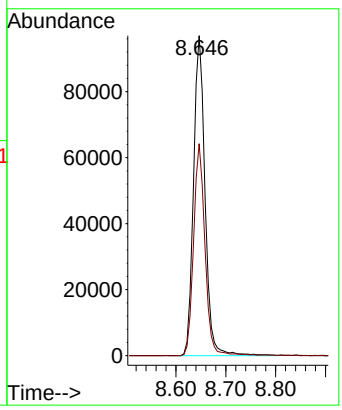


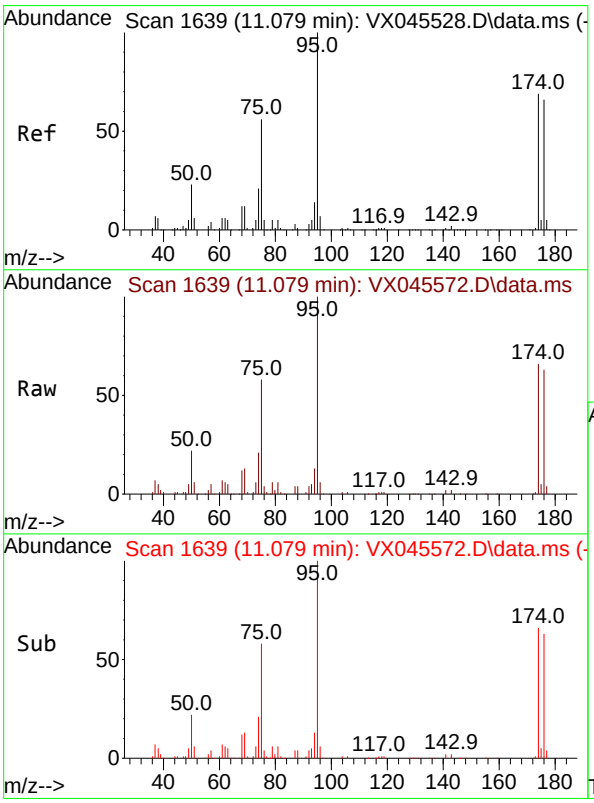
#50
Toluene-d8
Concen: 50.882 ug/l
RT: 8.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045572.D
Acq: 03 Apr 2025 15:37

Instrument :
MSVOA_X
ClientSampleId :
EB01-040225

Tgt Ion: 98 Resp: 155462

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4

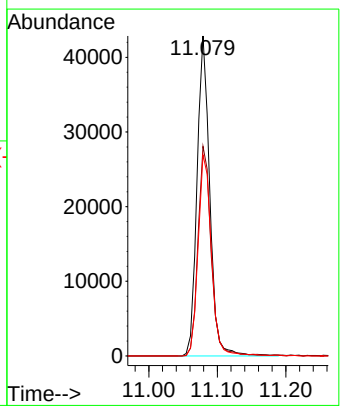


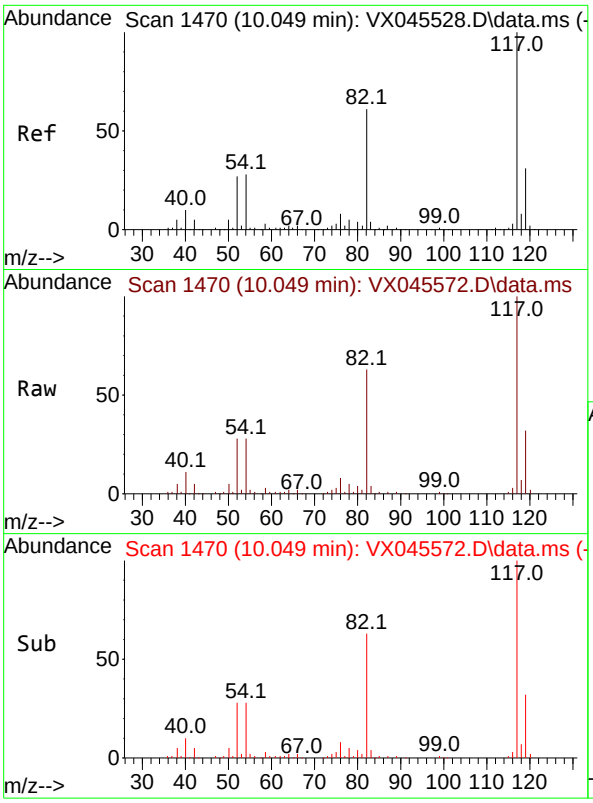


#62
4-Bromofluorobenzene
Concen: 49.822 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045572.D
Acq: 03 Apr 2025 15:37

Tgt Ion: 95 Resp: 55448

Ion	Ratio	Lower	Upper
95	100		
174	67.8	0.0	135.8
176	65.8	0.0	131.4



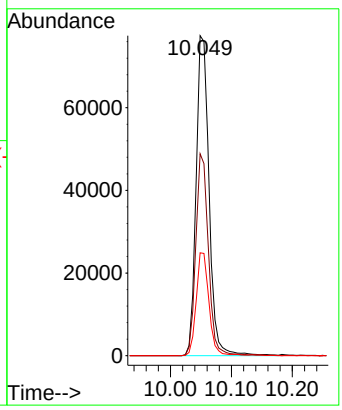


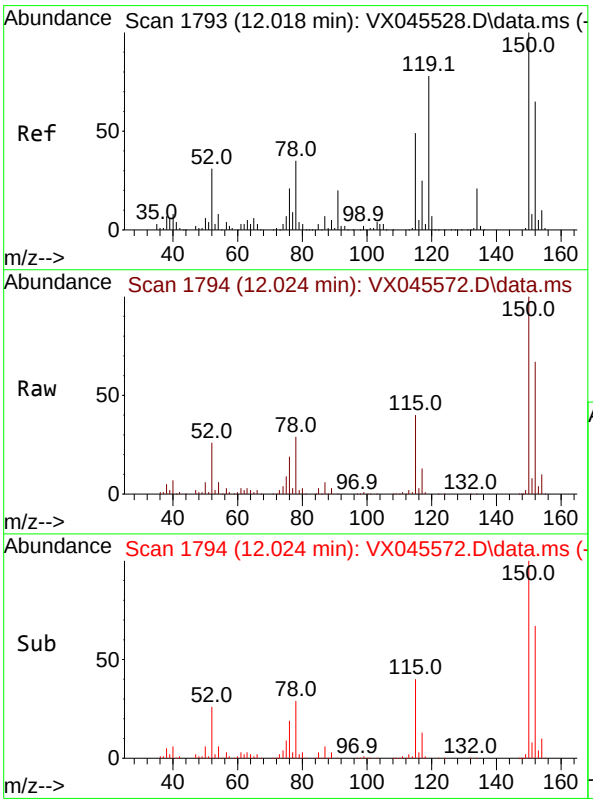
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045572.D
Acq: 03 Apr 2025 15:37

Instrument :
MSVOA_X
ClientSampleId :
EB01-040225

Tgt Ion:117 Resp: 114226

Ion	Ratio	Lower	Upper
117	100		
82	63.1	49.2	73.8
119	32.2	25.1	37.7

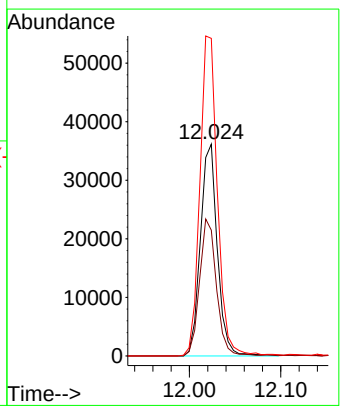




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045572.D
Acq: 03 Apr 2025 15:37

Tgt Ion:152 Resp: 46598

Ion	Ratio	Lower	Upper
152	100		
115	64.1	46.9	140.7
150	156.0	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:	04/02/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/02/25
Client Sample ID:	TB01-040225	SDG No.:	Q1711
Lab Sample ID:	Q1711-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045571.D	1		04/03/25 15:14	VX040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66900	5.544			
540-36-3	1,4-Difluorobenzene	129000	6.757			
3114-55-4	Chlorobenzene-d5	122000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	49400	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\VX040325\
Data File : VX045571.D
Acq On : 03 Apr 2025 15:14
Operator : JC/MD
Sample : Q1711-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-040225

Quant Time: Apr 04 01:23:40 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

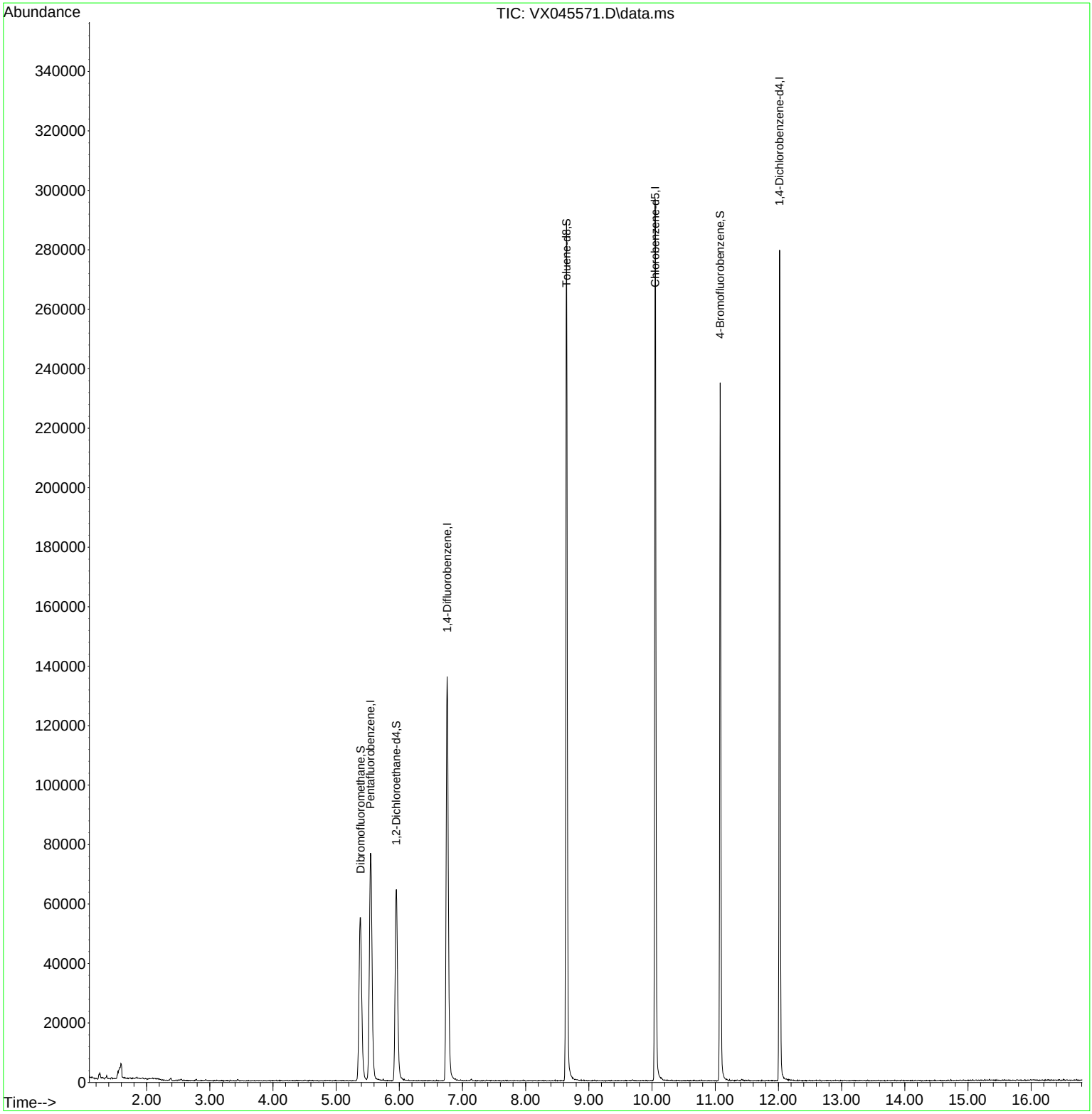
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129076	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65957	53.882	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.760%			
35) Dibromofluoromethane	5.385	113	47665	52.048	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.100%			
50) Toluene-d8	8.647	98	162893	50.960	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.920%			
62) 4-Bromofluorobenzene	11.079	95	59432	51.044	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.080%			
Target Compounds						Qvalue

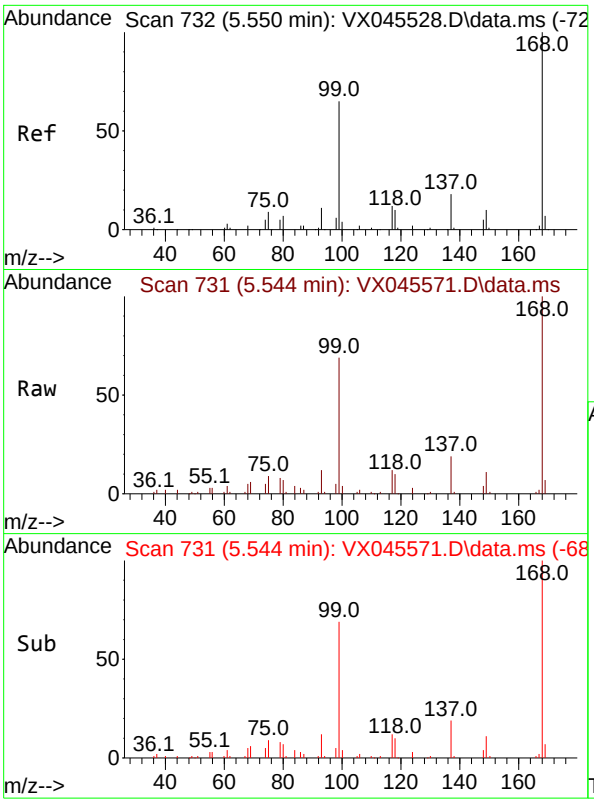
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045571.D
Acq On : 03 Apr 2025 15:14
Operator : JC/MD
Sample : Q1711-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-040225

Quant Time: Apr 04 01:23:40 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



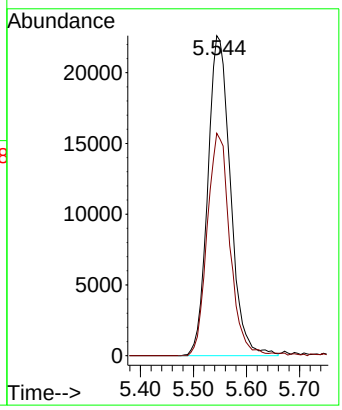


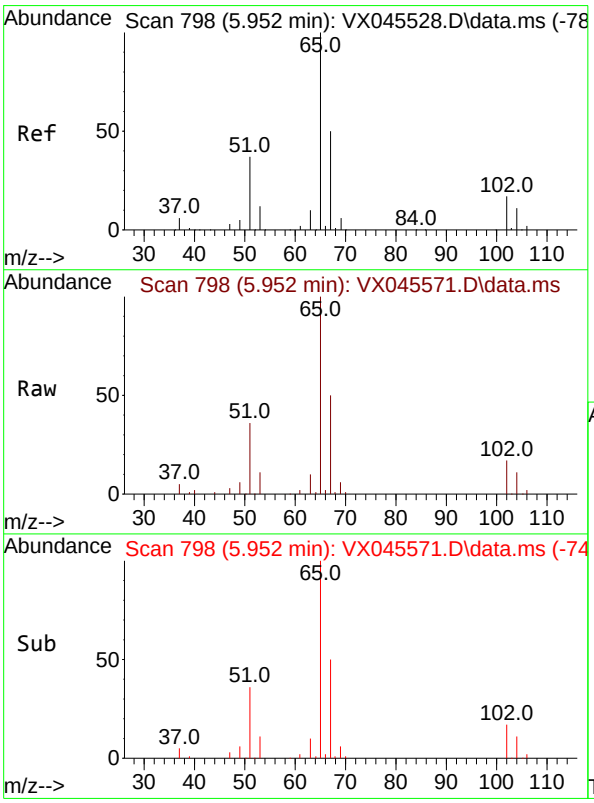
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045571.D
Acq: 03 Apr 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
TB01-040225

Tgt Ion:168 Resp: 66937

Ion	Ratio	Lower	Upper
168	100		
99	69.5	52.3	78.5

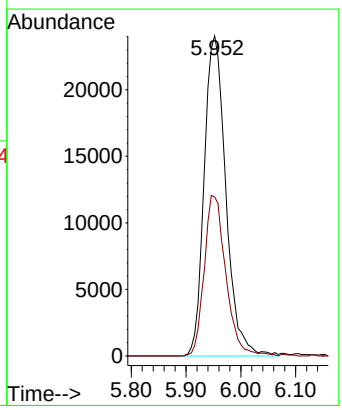


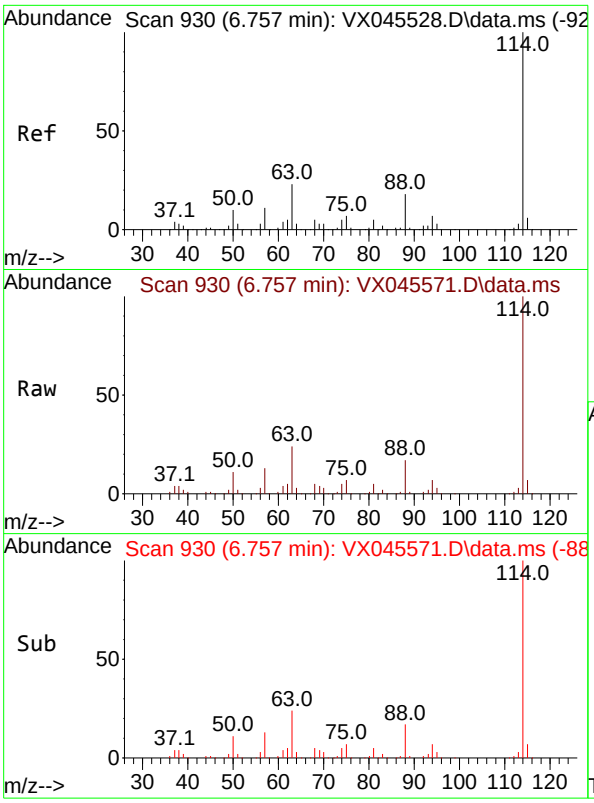


#33
1,2-Dichloroethane-d4
Concen: 53.882 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045571.D
Acq: 03 Apr 2025 15:14

Tgt Ion: 65 Resp: 65957

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.0



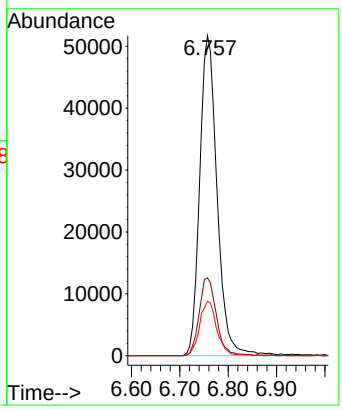


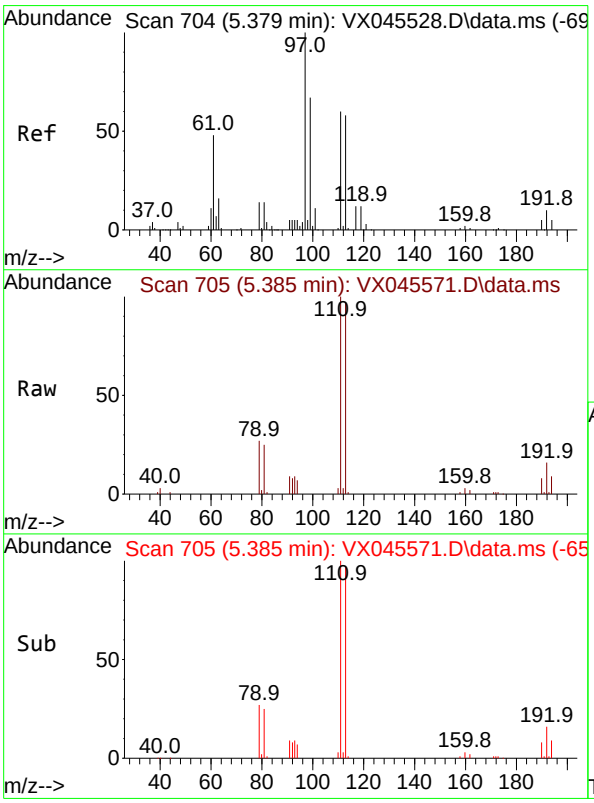
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045571.D
Acq: 03 Apr 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
TB01-040225

Tgt Ion:114 Resp: 129076

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	46.8
88	17.0	0.0	35.4

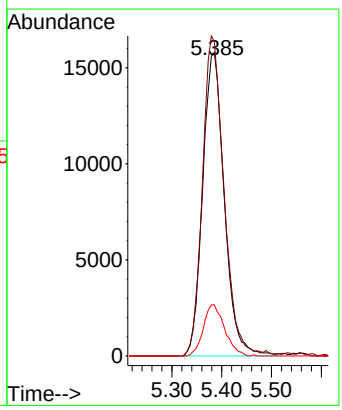


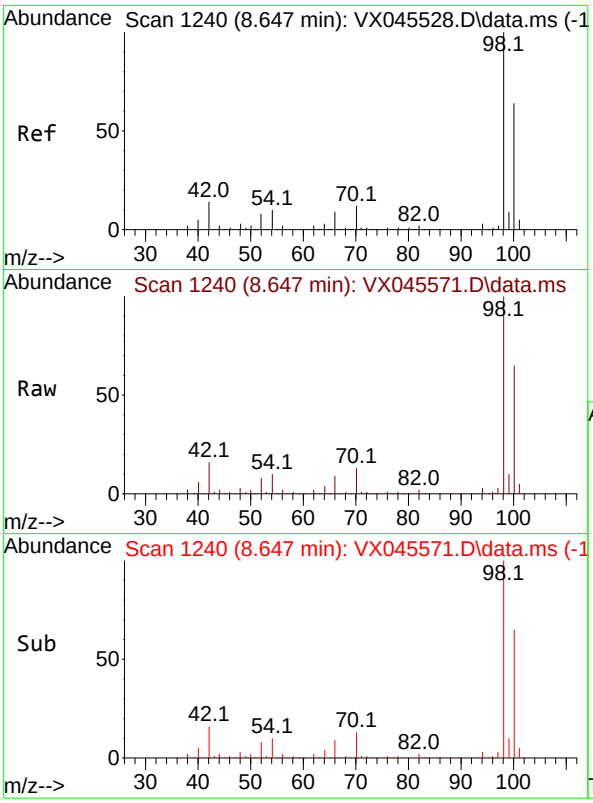


#35
Dibromofluoromethane
Concen: 52.048 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045571.D
Acq: 03 Apr 2025 15:14

Tgt Ion:113 Resp: 47665

Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.8	122.6
192	16.6	13.8	20.6



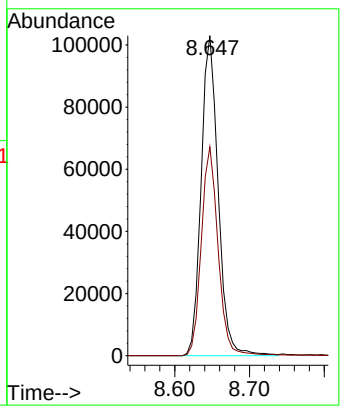


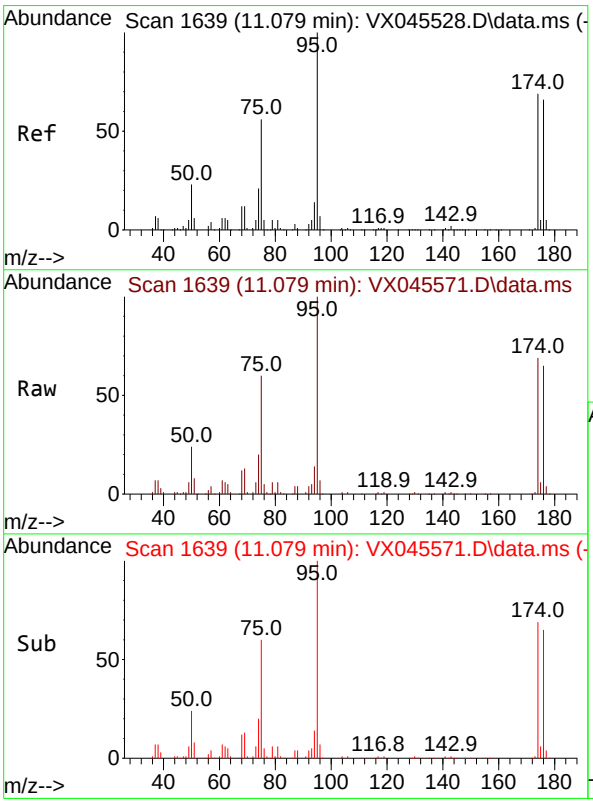
#50
Toluene-d8
Concen: 50.960 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045571.D
Acq: 03 Apr 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
TB01-040225

Tgt Ion: 98 Resp: 162893

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.4

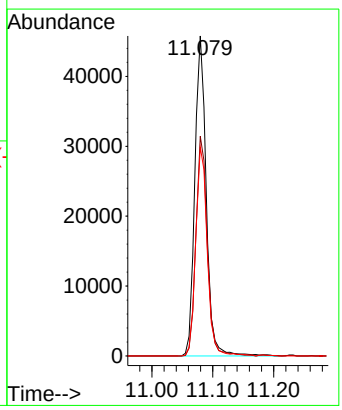


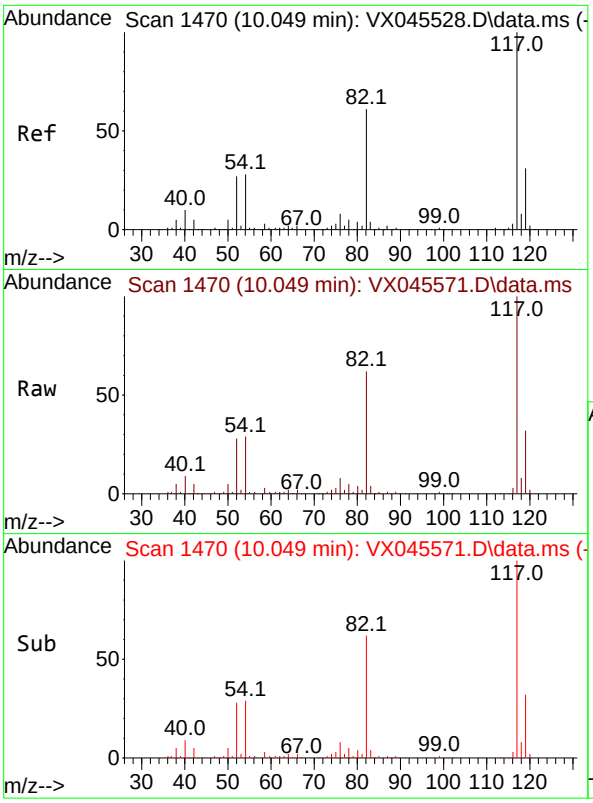


#62
4-Bromofluorobenzene
Concen: 51.044 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045571.D
Acq: 03 Apr 2025 15:14

Tgt Ion: 95 Resp: 59432

Ion	Ratio	Lower	Upper
95	100		
174	68.6	0.0	135.8
176	66.0	0.0	131.4



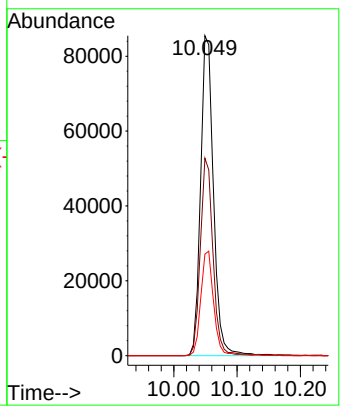


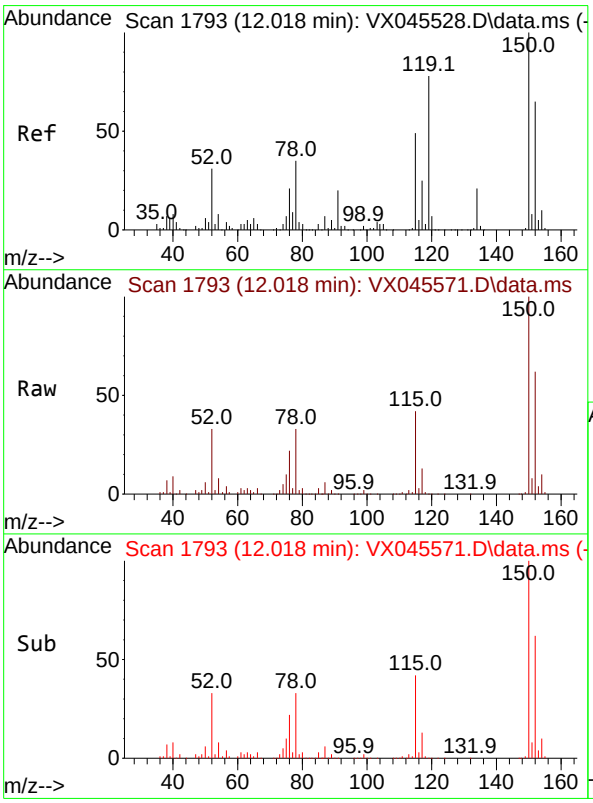
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045571.D
Acq: 03 Apr 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
TB01-040225

Tgt Ion:117 Resp: 121728

Ion	Ratio	Lower	Upper
117	100		
82	61.7	49.2	73.8
119	31.7	25.1	37.7

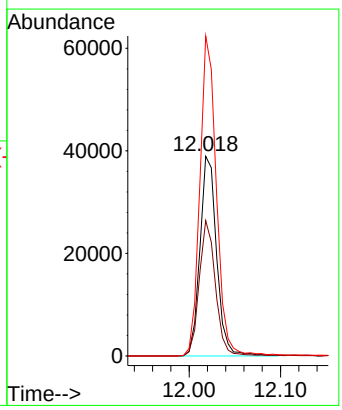




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045571.D
Acq: 03 Apr 2025 15:14

Tgt Ion:152 Resp: 49430

Ion	Ratio	Lower	Upper
152	100		
115	66.0	46.9	140.7
150	158.7	0.0	349.4



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1711 SAS No.: Q1711 SDG No.: Q1711

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
Vinyl Chloride	0.671	0.662	0.701	0.716	0.738	0.730	0.703	4.4
1,1-Dichloroethene	0.563	0.588	0.612	0.604	0.618	0.616	0.600	3.5
1,1-Dichloroethane	1.211	1.240	1.318	1.269	1.283	1.292	1.269	3
cis-1,2-Dichloroethene	0.762	0.696	0.760	0.751	0.754	0.760	0.747	3.4
1,1,1-Trichloroethane	1.028	1.052	1.120	1.109	1.153	1.167	1.105	5
Benzene	1.414	1.416	1.519	1.481	1.483	1.465	1.463	2.8
1,2-Dichloroethane	0.533	0.585	0.649	0.622	0.620	0.617	0.604	6.7
Trichloroethene	0.349	0.322	0.356	0.351	0.351	0.356	0.348	3.7
1,1,2-Trichloroethane	0.337	0.346	0.376	0.359	0.358	0.340	0.353	4.1
Tetrachloroethene	0.346	0.373	0.371	0.347	0.333	0.347	0.353	4.5
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

Quantitation Report (QT Reviewed)

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

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

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

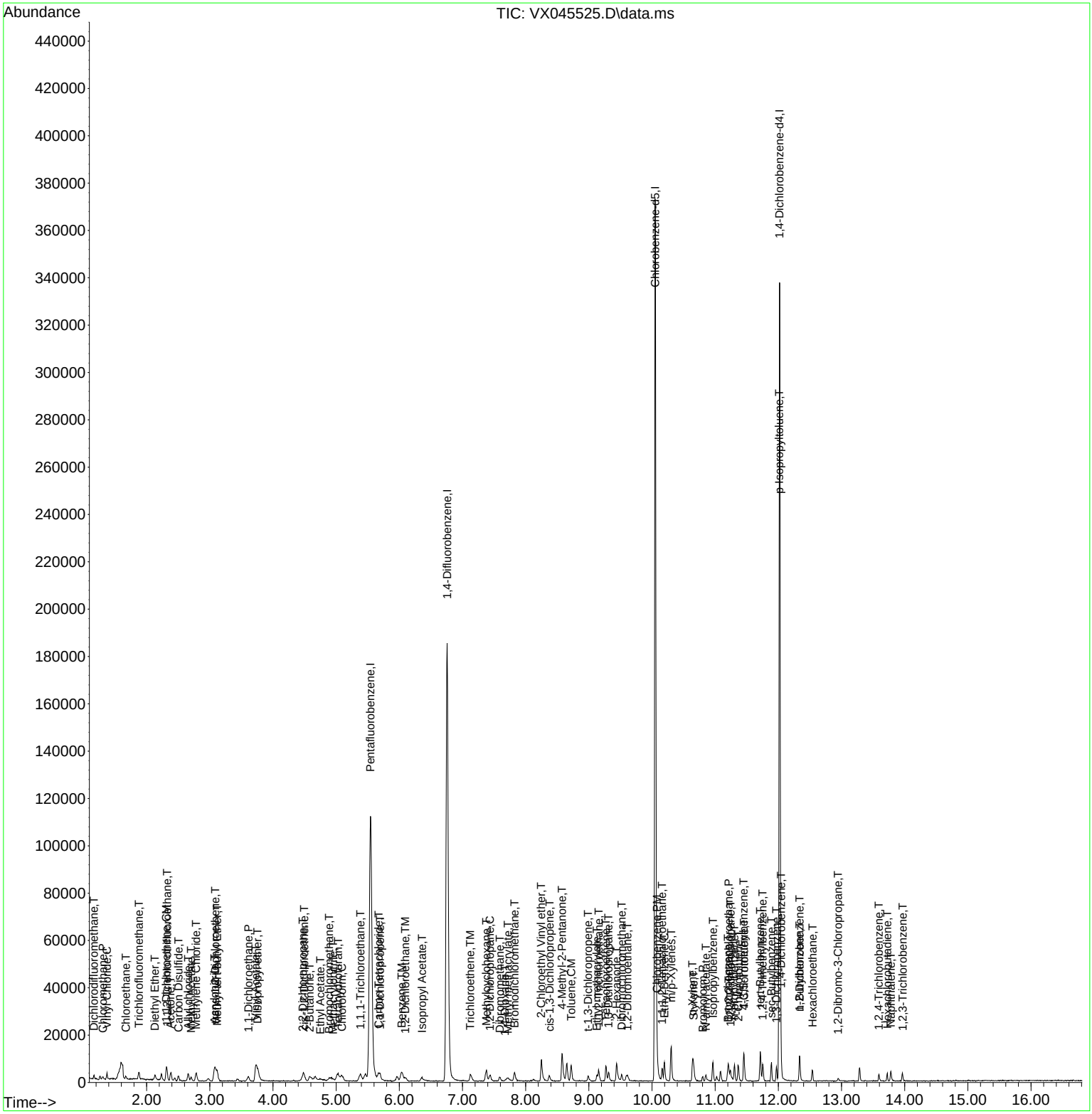
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045525.D
Acq On : 01 Apr 2025 17:06
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

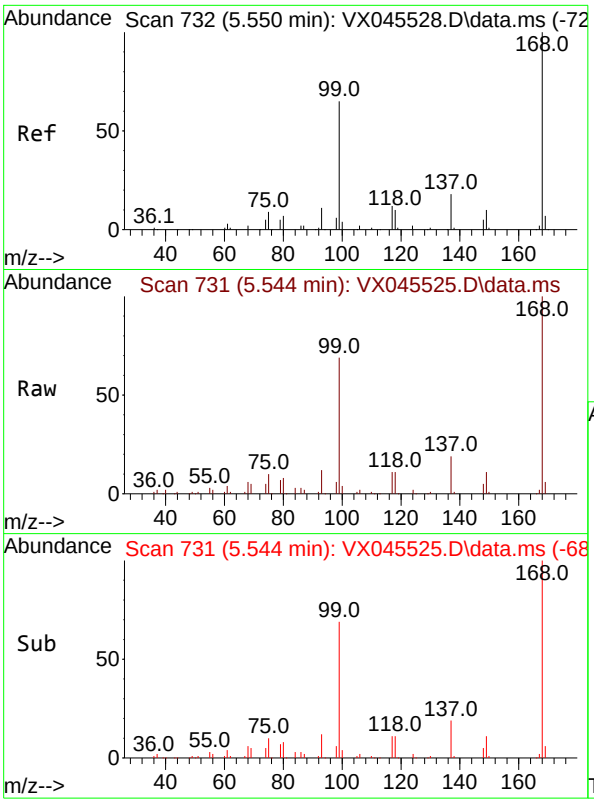
Quant Time: Apr 02 02:50:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

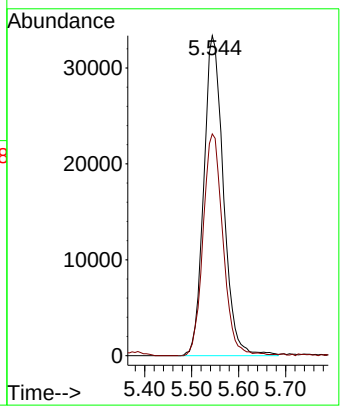




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:168 Resp: 9673

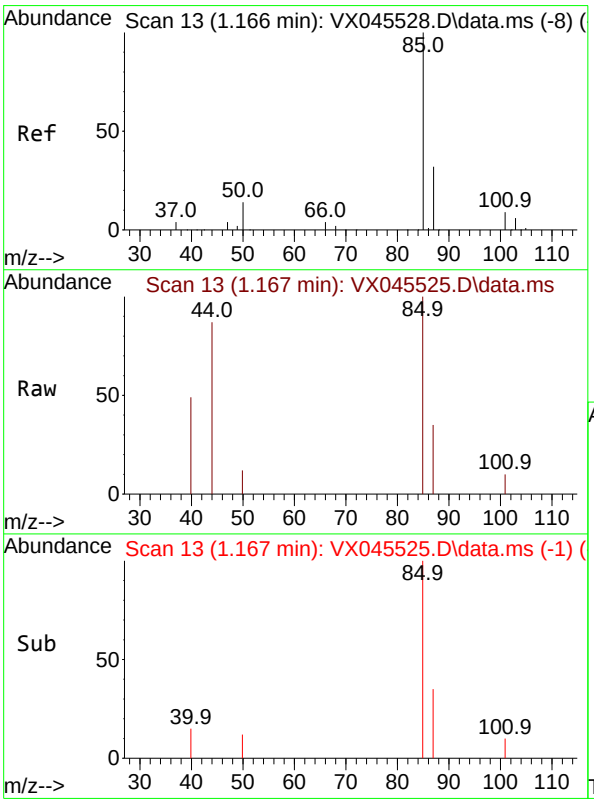
Ion	Ratio	Lower	Upper
168	100		
99	69.3	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

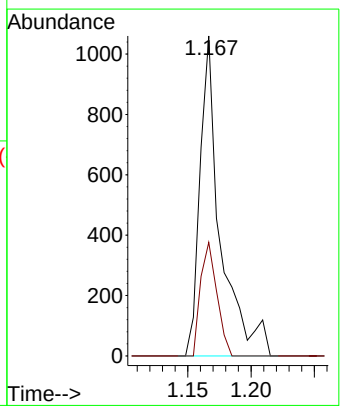
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

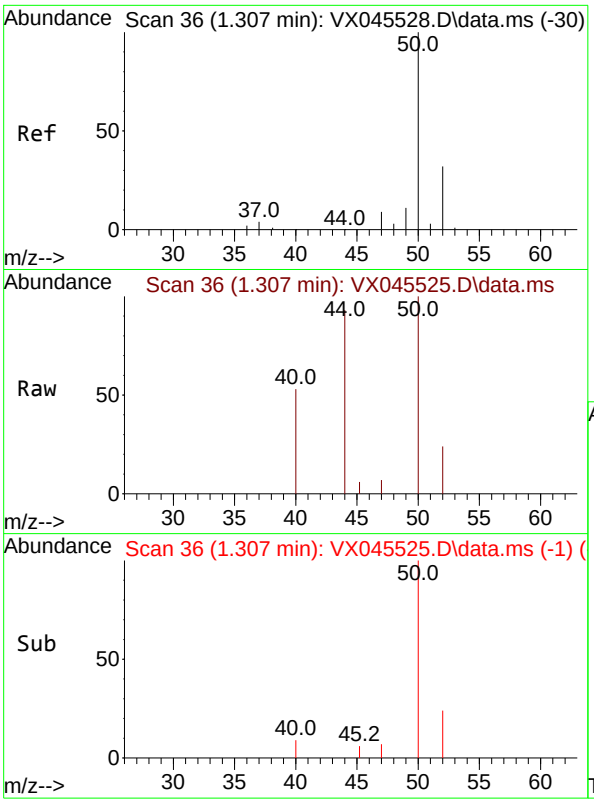


#2
Dichlorodifluoromethane
Concen: 0.822 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 85 Resp: 1189

Ion	Ratio	Lower	Upper
85	100		
87	35.5	16.1	48.2

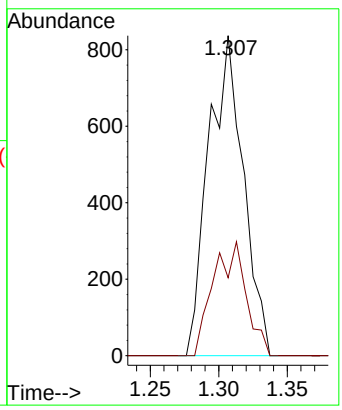




#3
Chloromethane
Concen: 0.995 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 50 Resp: 147

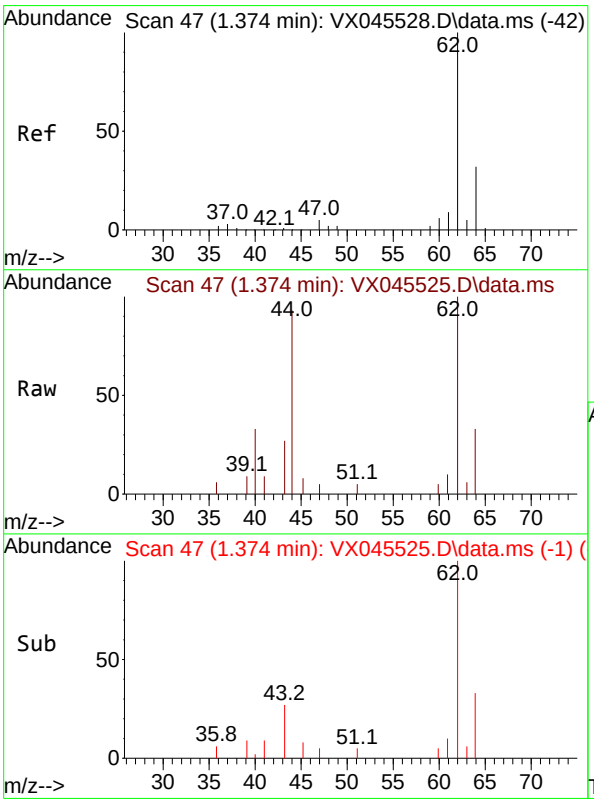
Ion	Ratio	Lower	Upper
50	100		
52	24.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

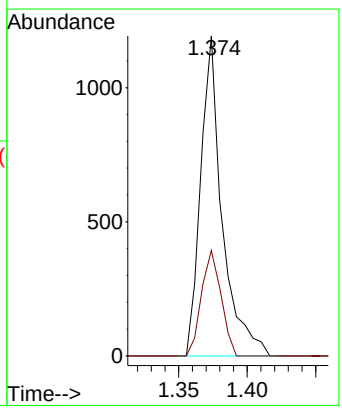
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

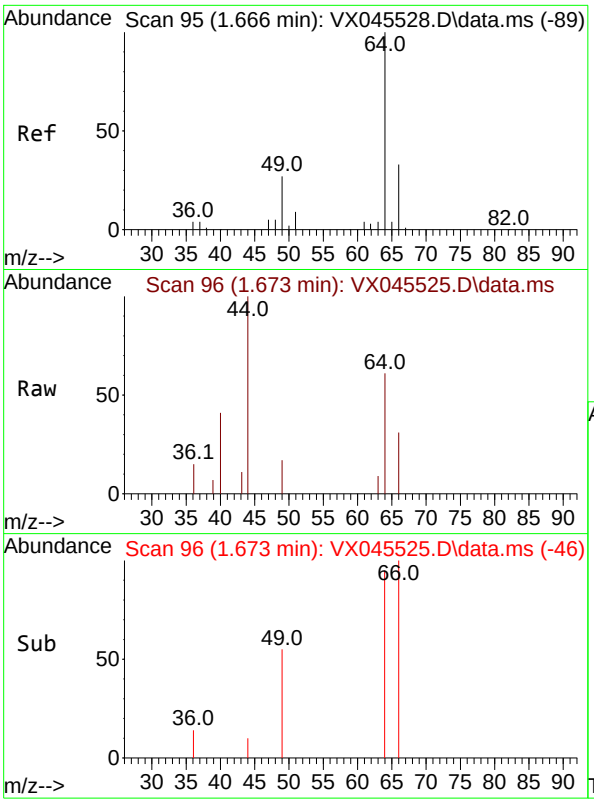


#4
Vinyl Chloride
Concen: 0.955 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 62 Resp: 1299

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.5	38.3

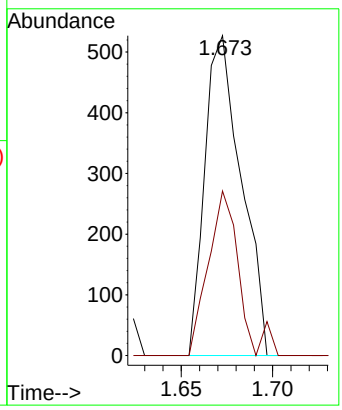




#6
Chloroethane
Concen: 1.014 ug/l
RT: 1.673 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 64 Resp: 73

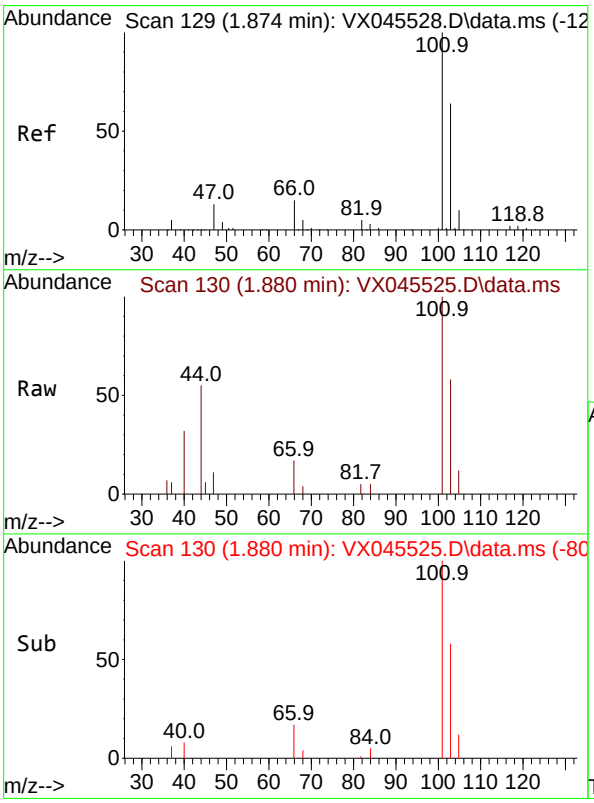
Ion	Ratio	Lower	Upper
64	100		
66	51.4	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

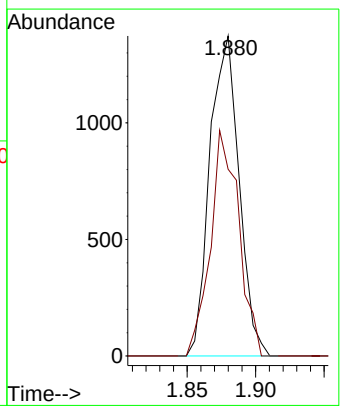
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

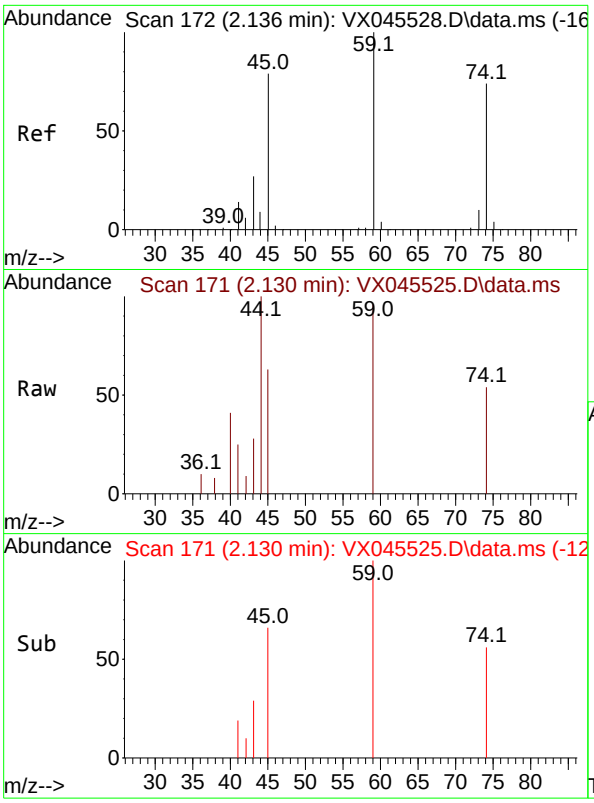


#7
Trichlorofluoromethane
Concen: 1.003 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

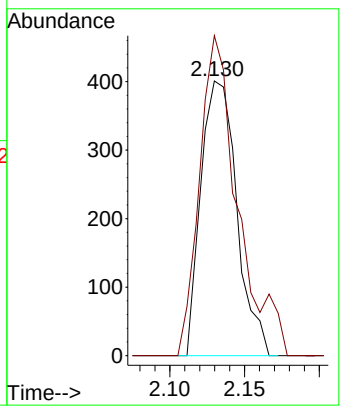
Tgt Ion: 74 Resp: 66

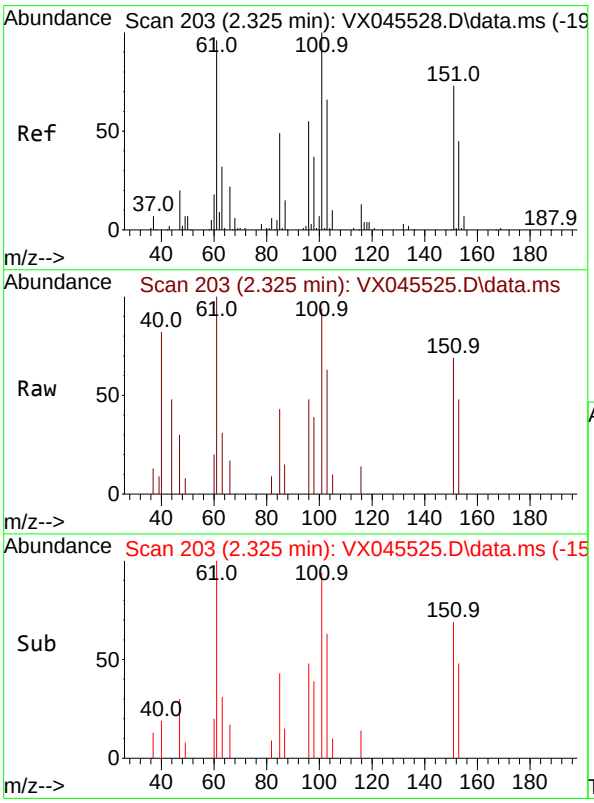
Ion	Ratio	Lower	Upper
74	100		
45	124.1	53.0	159.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

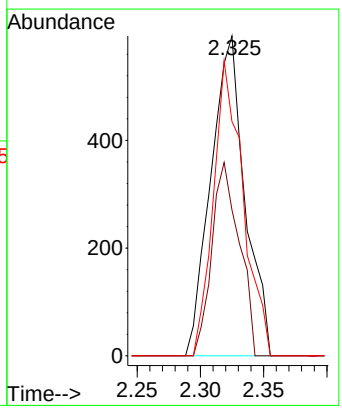


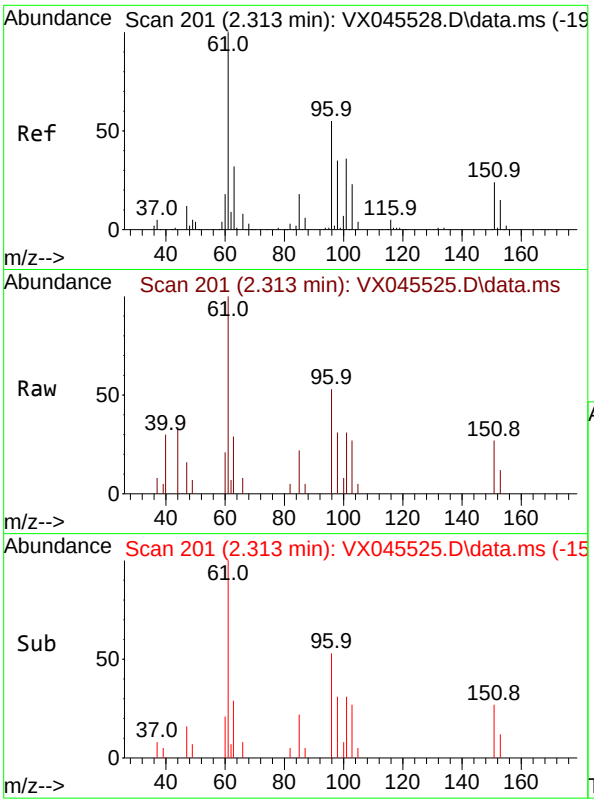


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.936 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

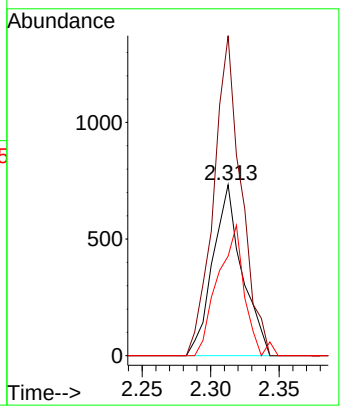




#12
1,1-Dichloroethene
Concen: 0.939 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 96 Resp: 109(

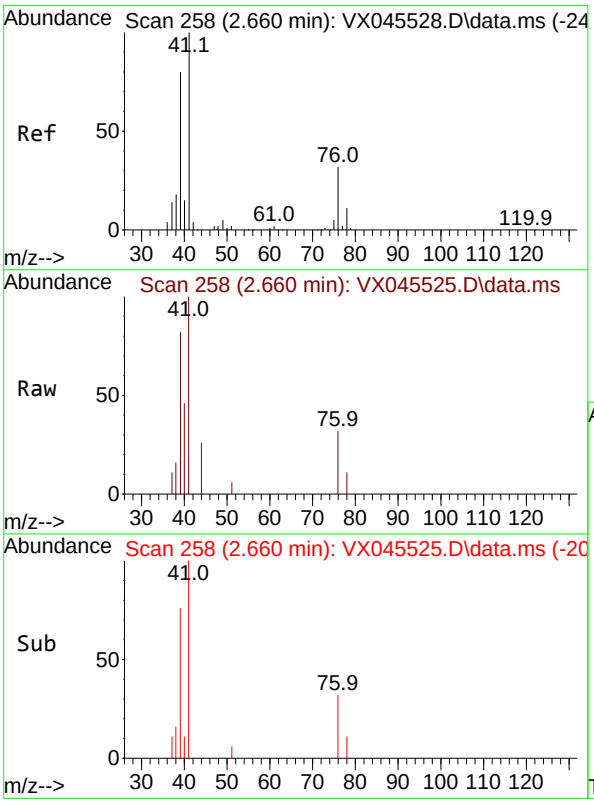
Ion	Ratio	Lower	Upper
96	100		
61	187.2	145.7	218.5
98	58.3	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

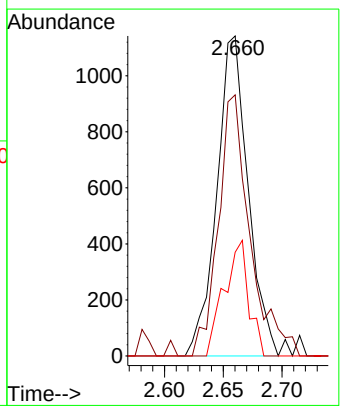
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

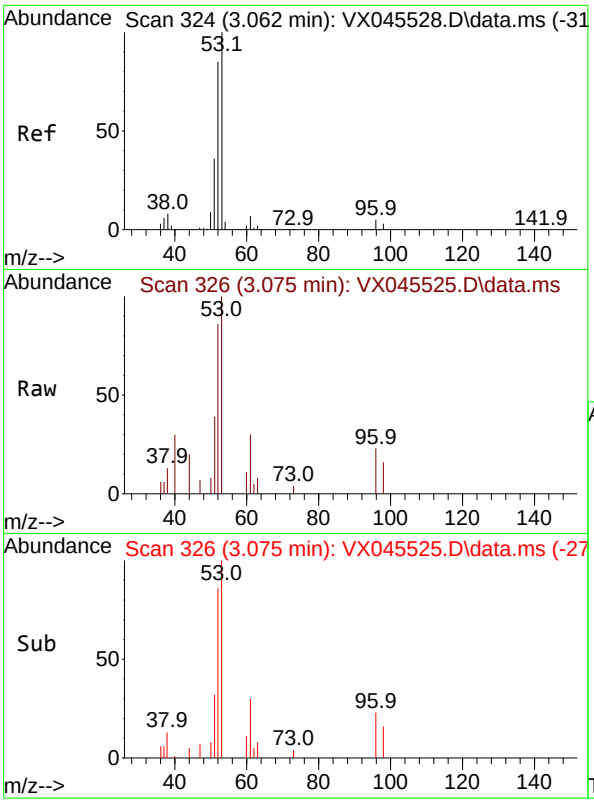


#14
Allyl chloride
Concen: 0.959 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

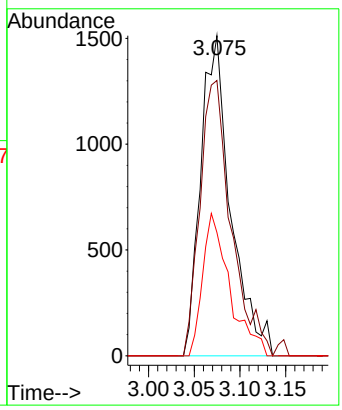




#15
Acrylonitrile
Concen: 4.592 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 53 Resp: 344

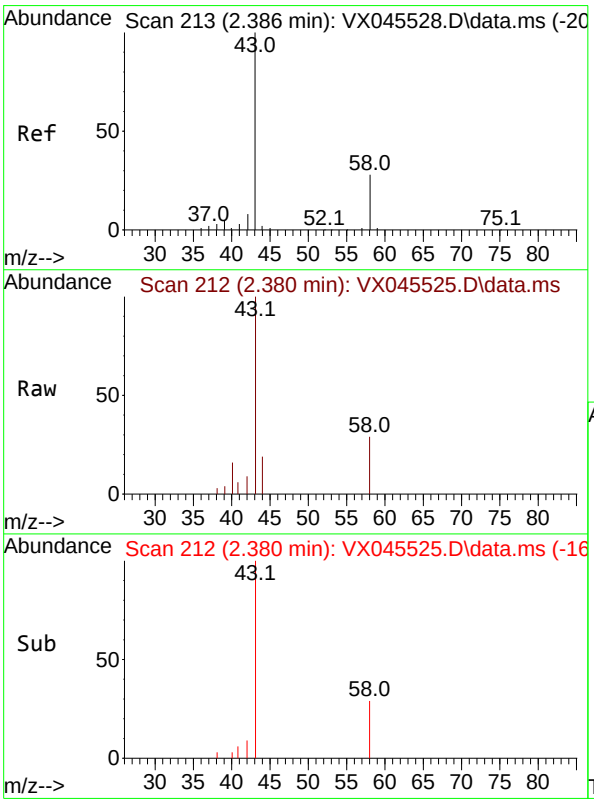
Ion	Ratio	Lower	Upper
53	100		
52	89.4	67.4	101.2
51	40.1	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

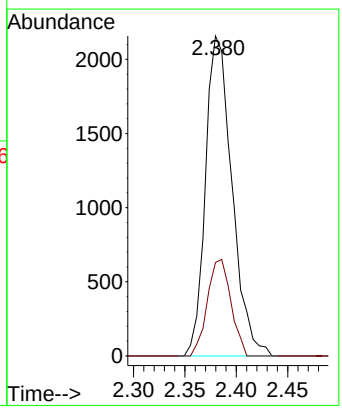
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

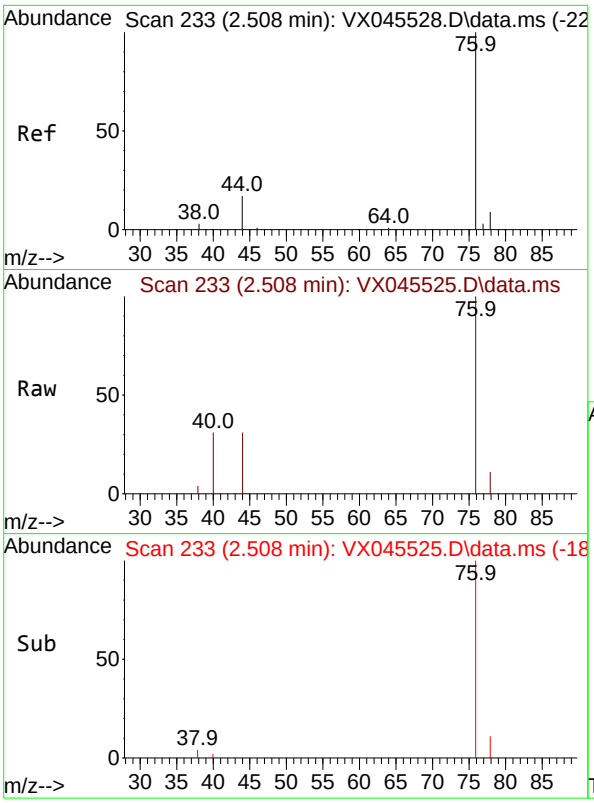


#16
Acetone
Concen: 5.323 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

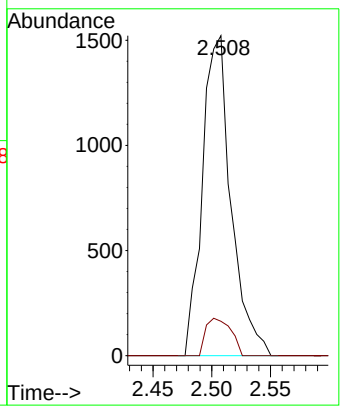
Tgt Ion: 76 Resp: 258

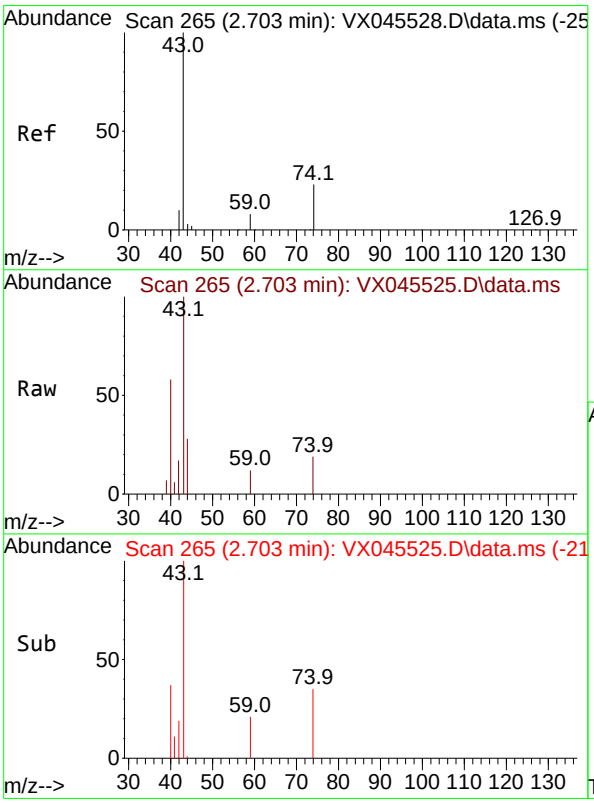
Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

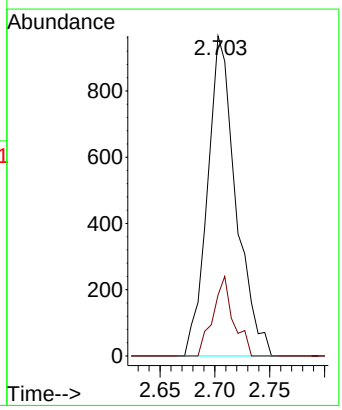


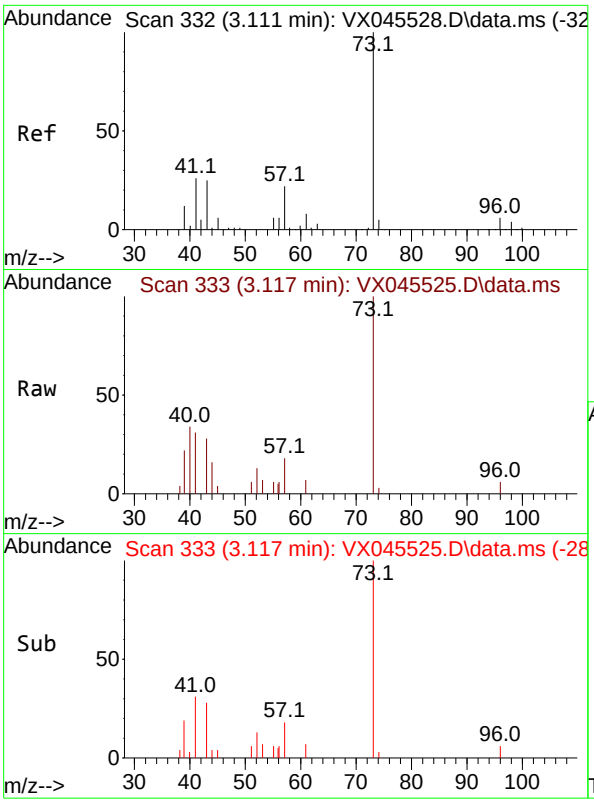


#18
Methyl Acetate
Concen: 1.043 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 1744

Ion	Ratio	Lower	Upper
43	100		
74	17.8	17.5	26.3

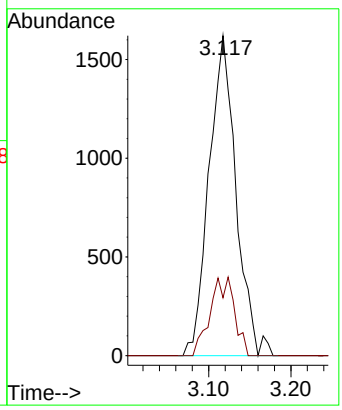




#19
Methyl tert-butyl Ether
Concen: 0.912 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 73 Resp: 370

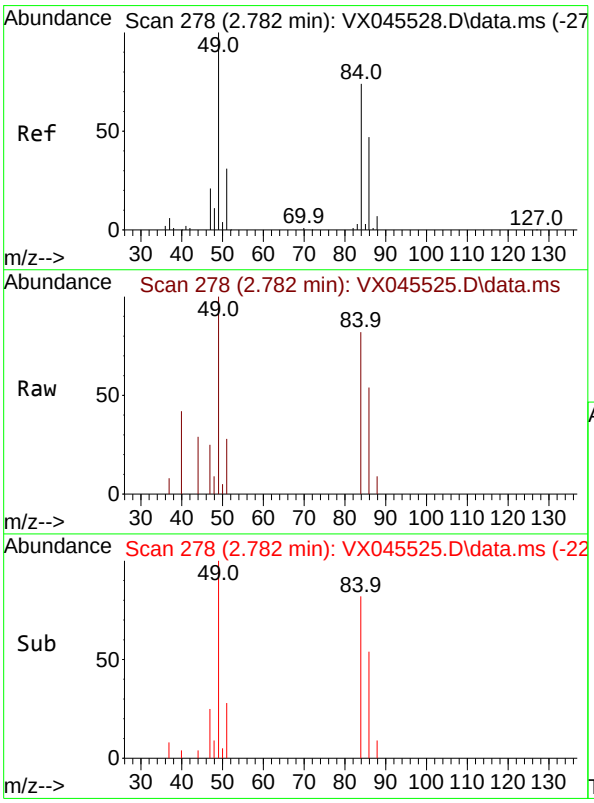
Ion	Ratio	Lower	Upper
73	100		
57	18.1	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

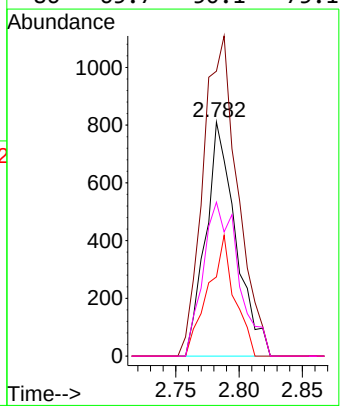
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

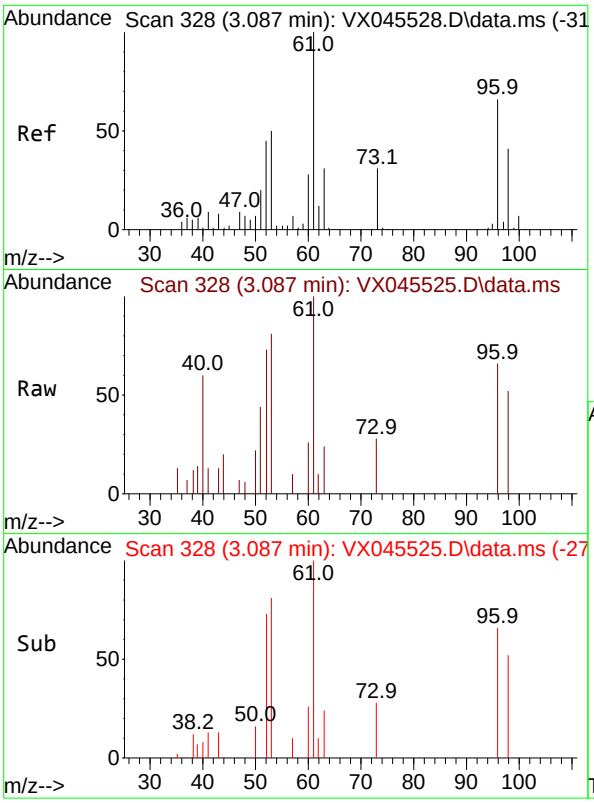


#20
Methylene Chloride
Concen: 0.984 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

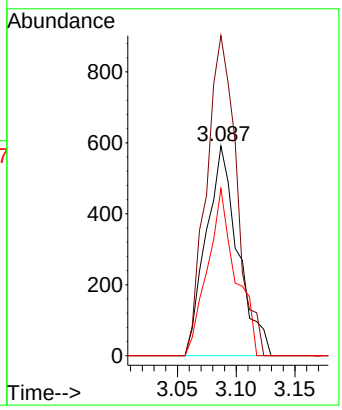




#21
trans-1,2-Dichloroethene
Concen: 0.936 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 96 Resp: 111

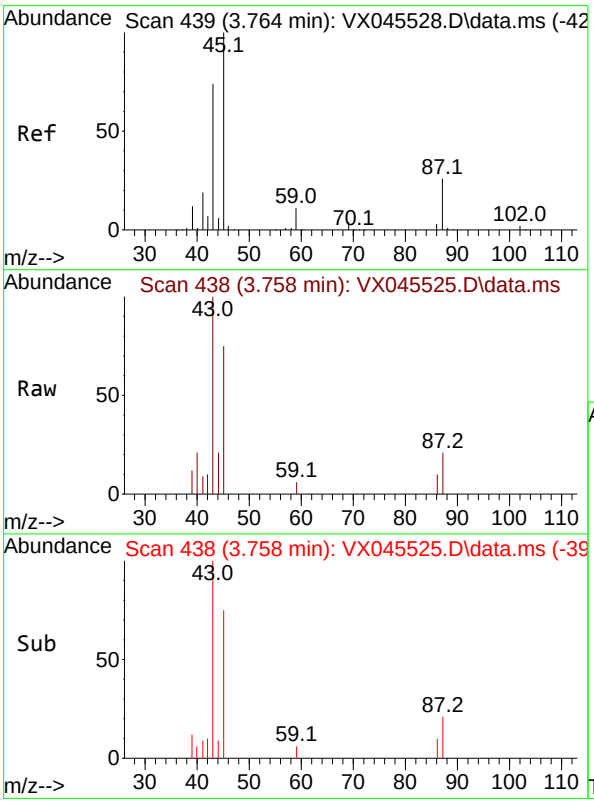
Ion	Ratio	Lower	Upper
96	100		
61	152.6	121.0	181.6
98	79.7	49.7	74.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

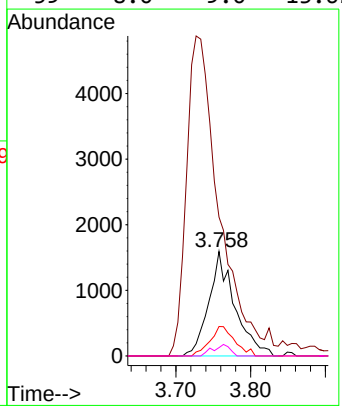
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

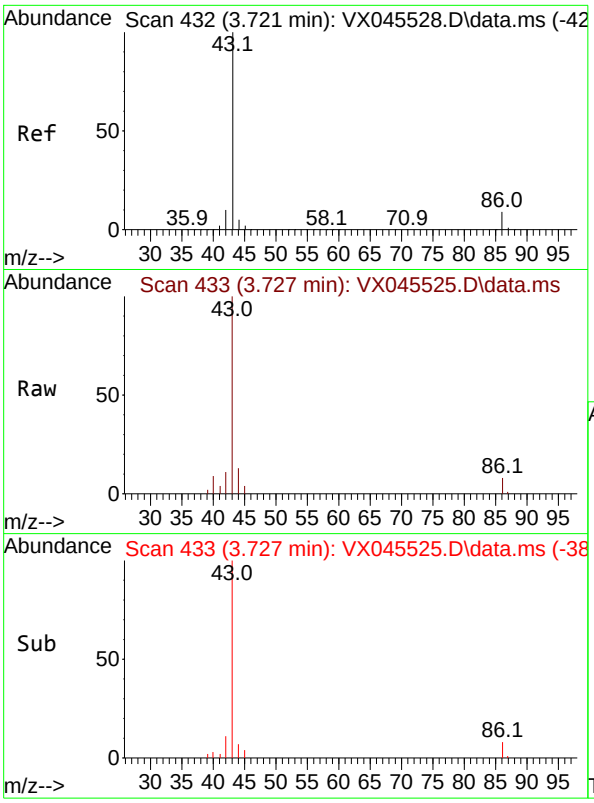


#22
Diisopropyl ether
Concen: 0.893 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

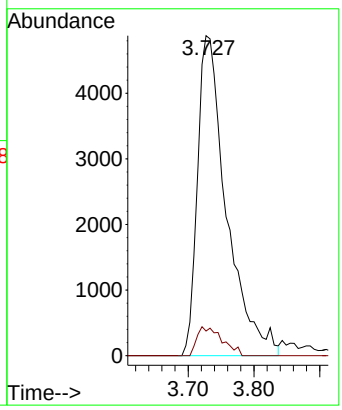
Tgt Ion: 43 Resp: 1492

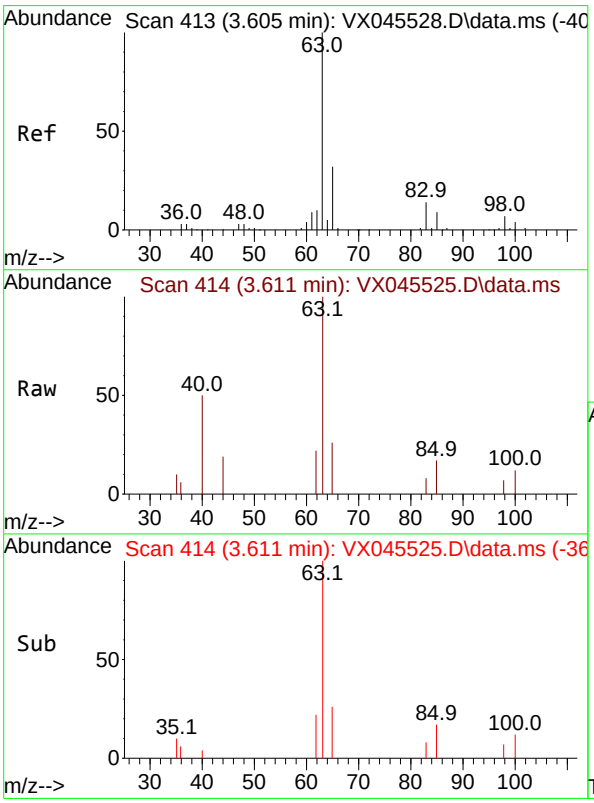
Ion	Ratio	Lower	Upper
43	100		
86	7.7	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

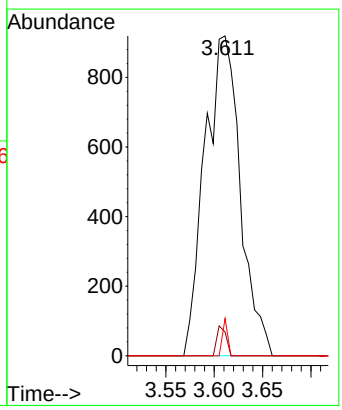


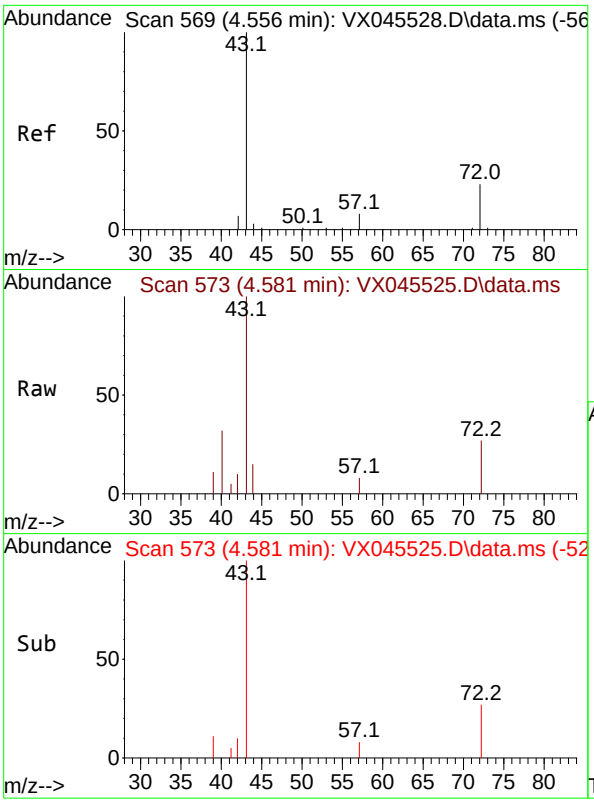


#24
1,1-Dichloroethane
Concen: 0.954 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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#

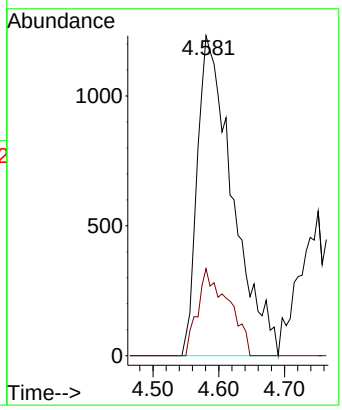




#25
2-Butanone
Concen: 4.317 ug/l
RT: 4.581 min Scan# 5
Delta R.T. 0.025 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 459

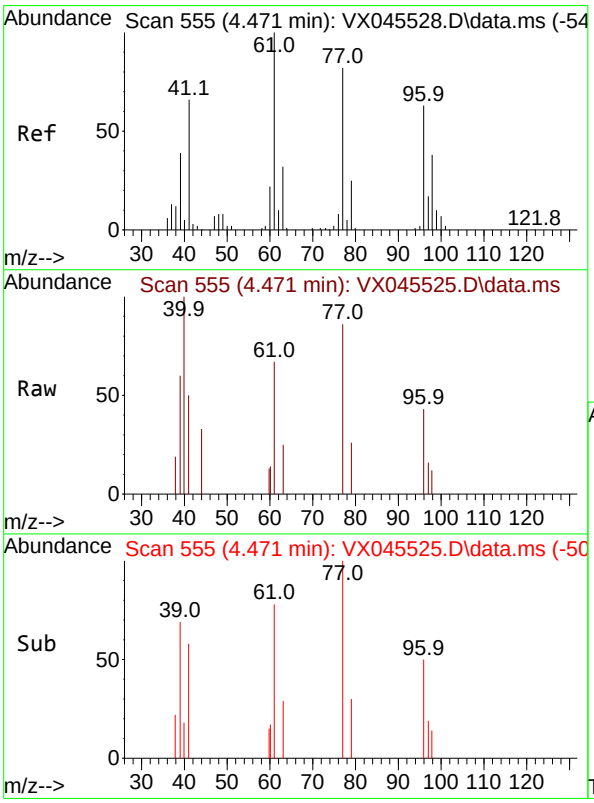
Ion	Ratio	Lower	Upper
43	100		
72	27.2	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

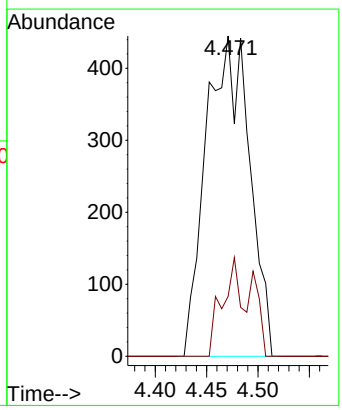
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

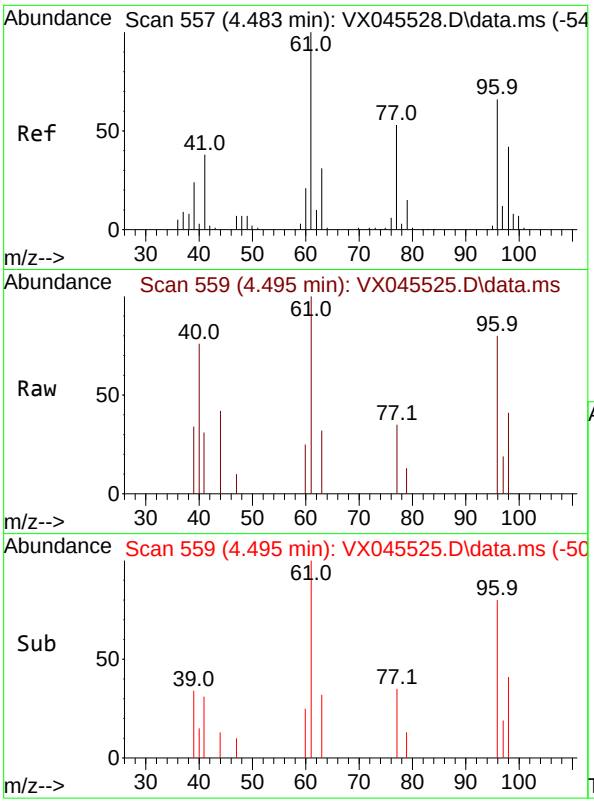


#26
2,2-Dichloropropane
Concen: 0.824 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 77 Resp: 1307

Ion	Ratio	Lower	Upper
77	100		
97	13.9	10.6	31.8

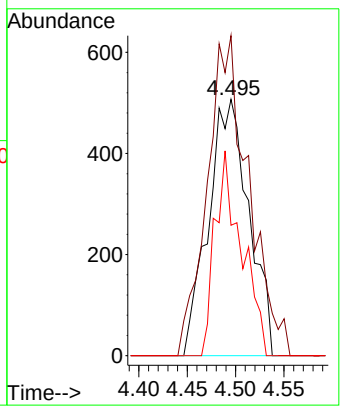




#27
cis-1,2-Dichloroethene
Concen: 1.020 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 96 Resp: 147

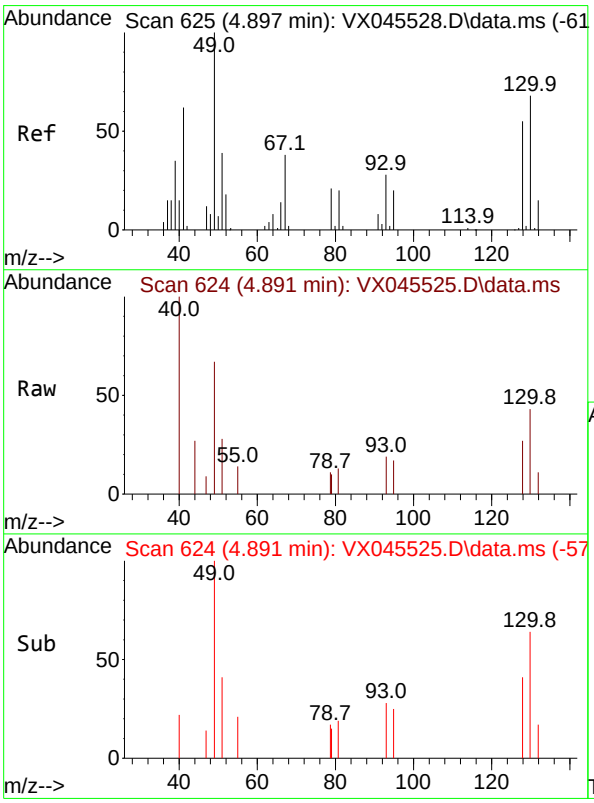
Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	313.2
98	52.4	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

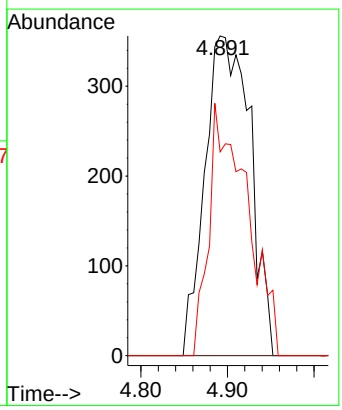
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

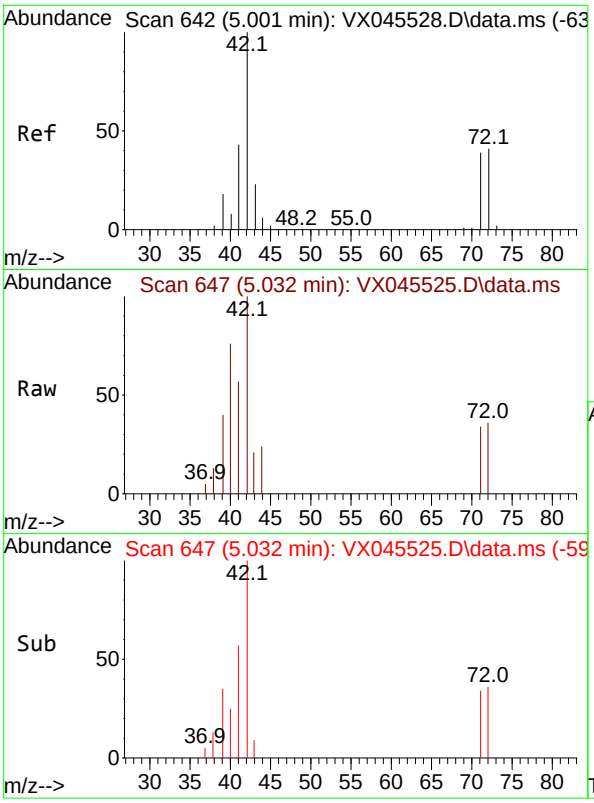


#28
Bromochloromethane
Concen: 1.094 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

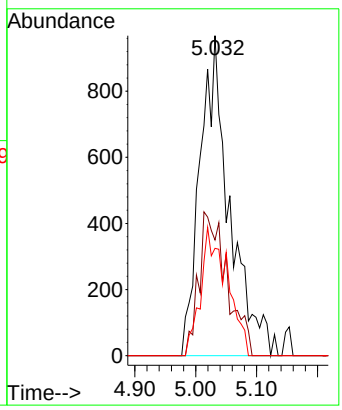
Tgt Ion: 42 Resp: 327

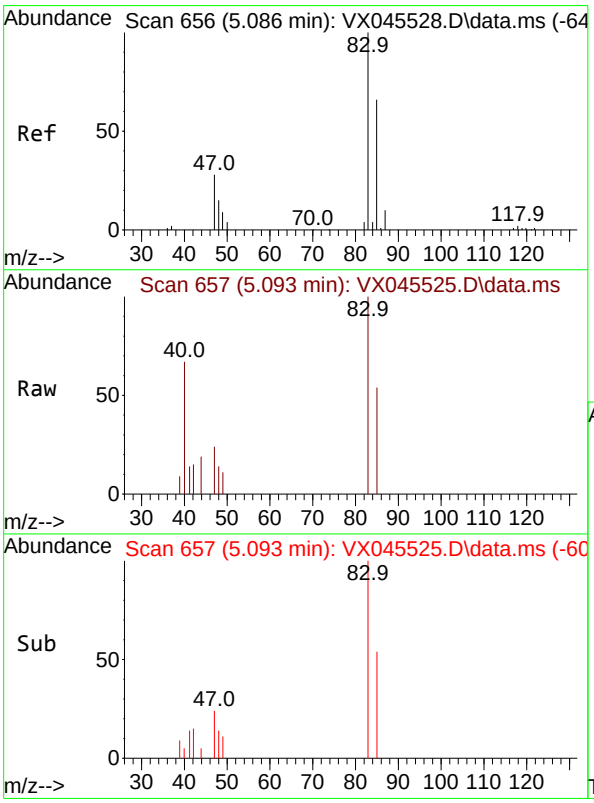
Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	36.0	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

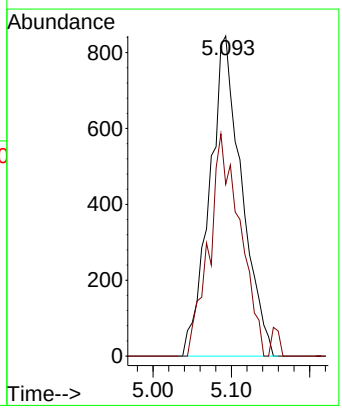


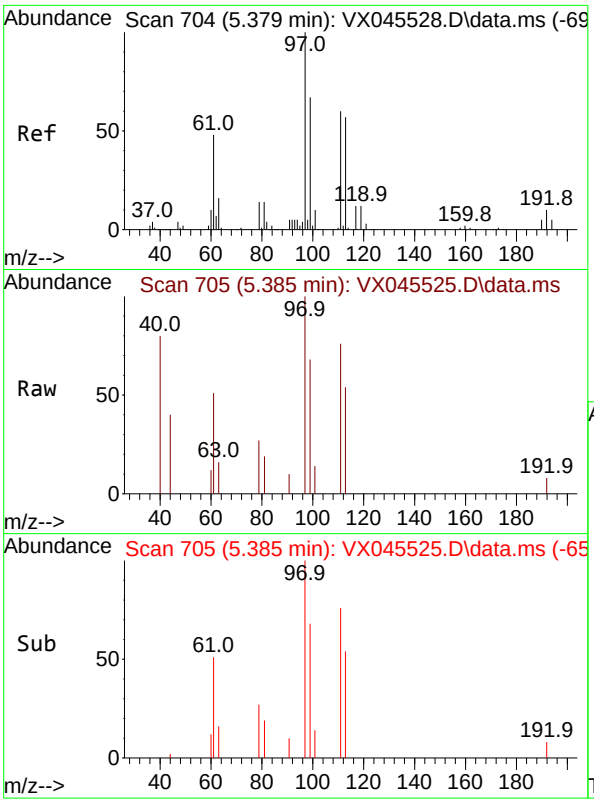


#30
Chloroform
Concen: 0.953 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 83 Resp: 2406

Ion	Ratio	Lower	Upper
83	100		
85	53.7	52.8	79.2

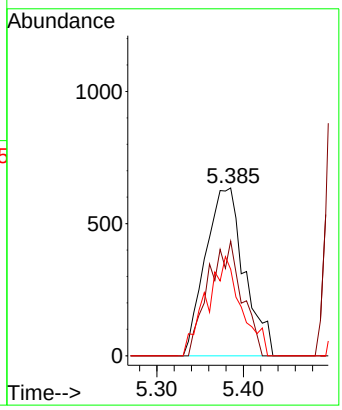




#32
1,1,1-Trichloroethane
Concen: 0.931 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 97 Resp: 198

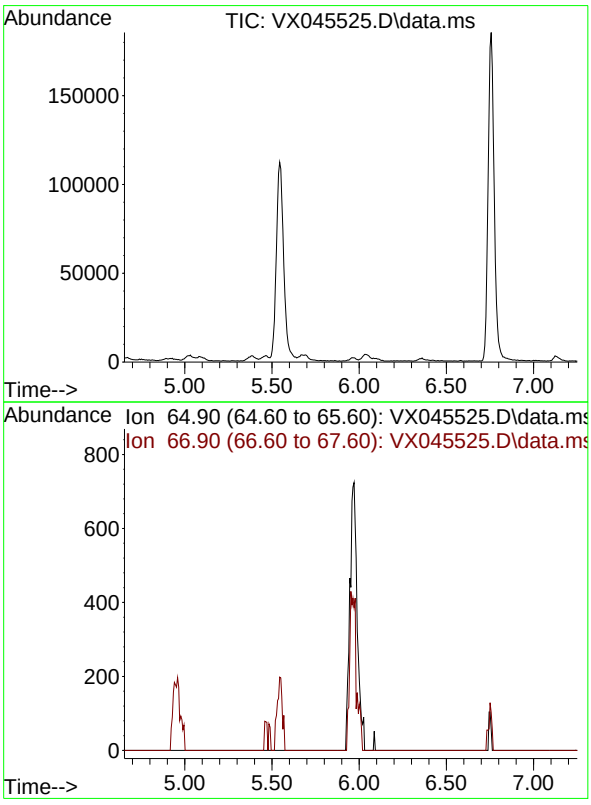
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	52.8	41.0	61.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

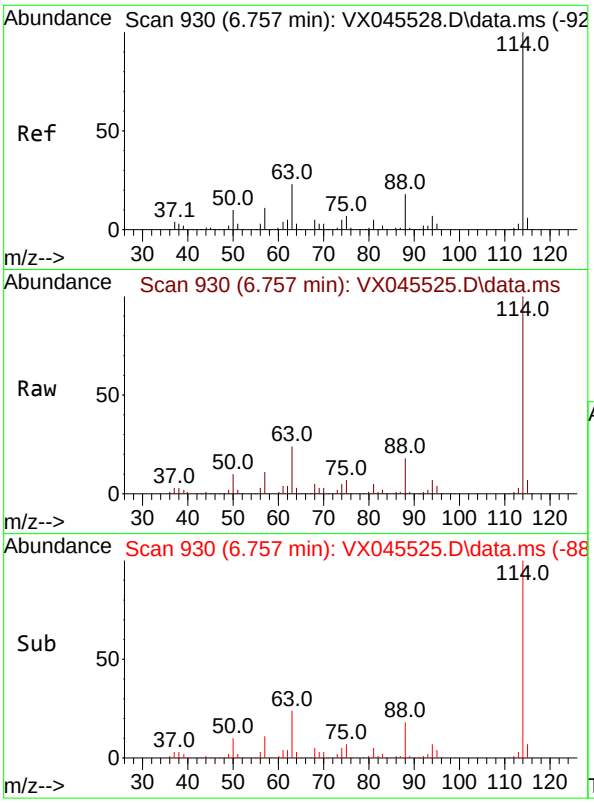


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

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

Tgt Ion: 65

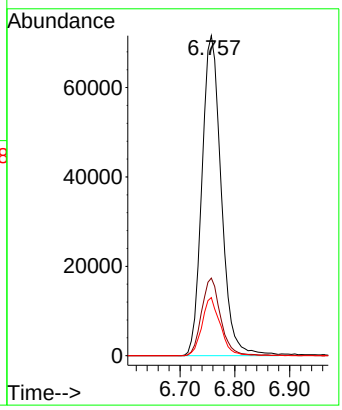
Sig	Exp Ratio
65	100
67	49.5



#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

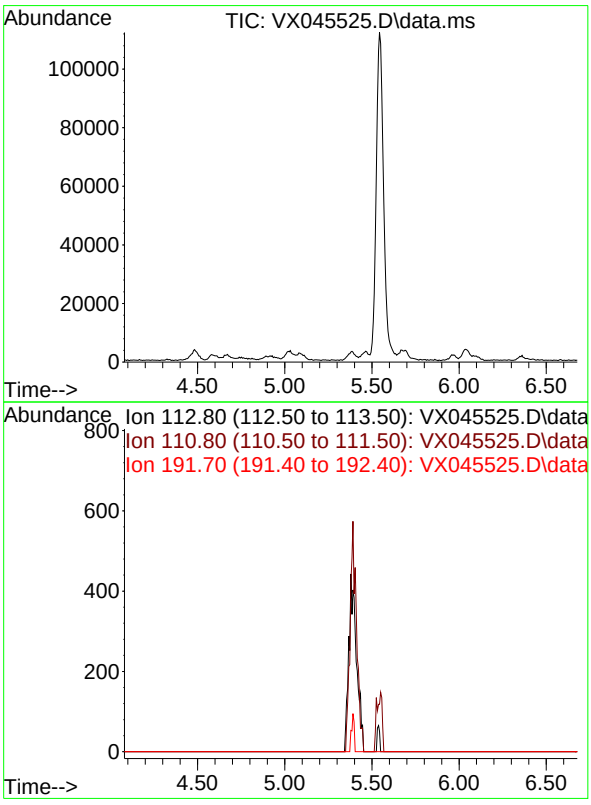
Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	46.8
88	18.1	0.0	35.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

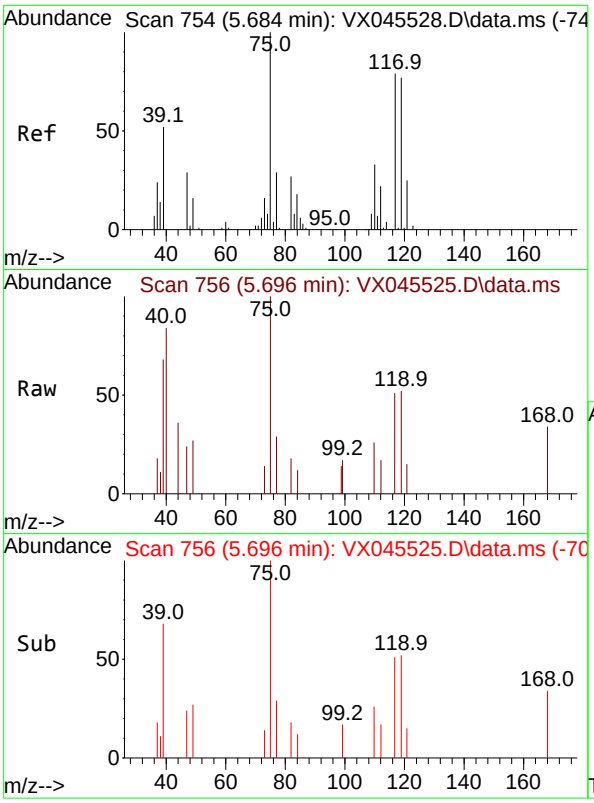


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

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

Tgt Ion: 113

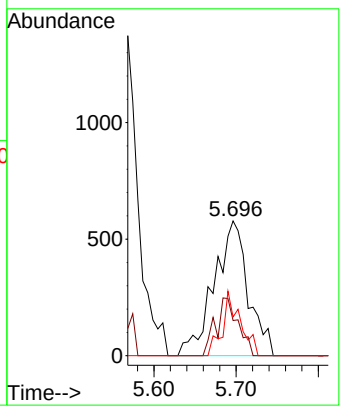
Sig	Exp Ratio
113	100
111	102.2
192	17.2



#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

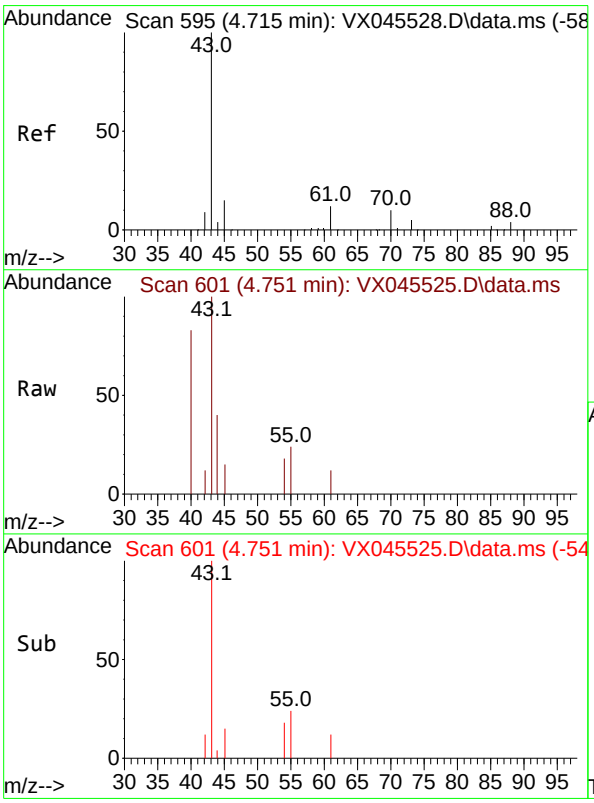
Ion	Ratio	Lower	Upper
75	100		
110	27.6	16.9	50.6
77	25.0	25.0	37.4#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

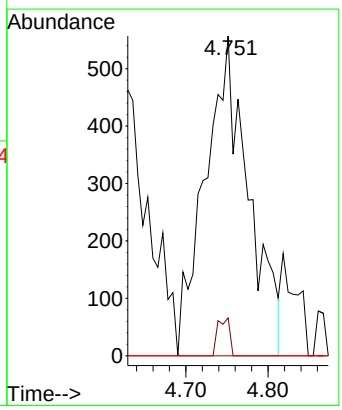
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

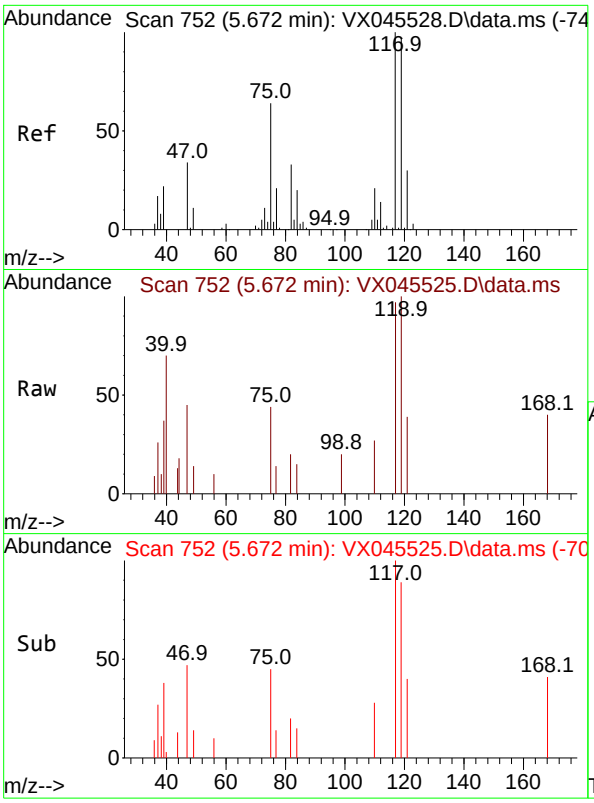


#37
Ethyl Acetate
Concen: 0.964 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.037 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

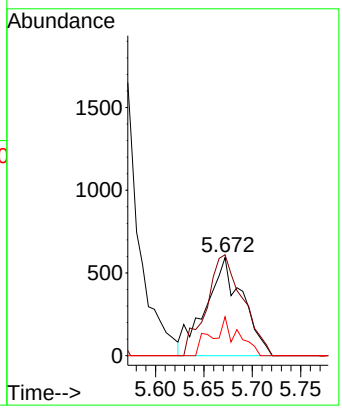
Tgt Ion:117 Resp: 157

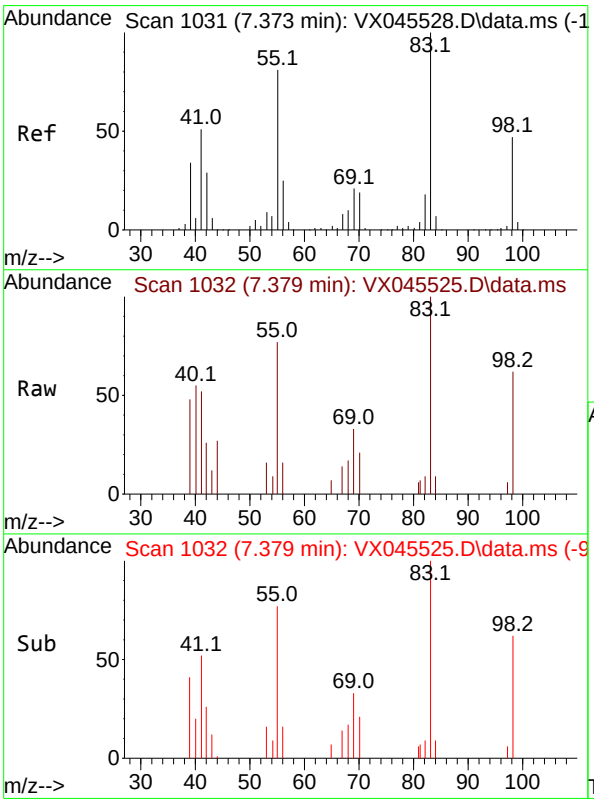
Ion	Ratio	Lower	Upper
117	100		
119	102.7	76.9	115.3
121	39.6	24.2	36.2#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

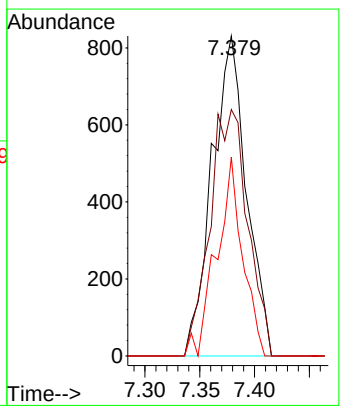


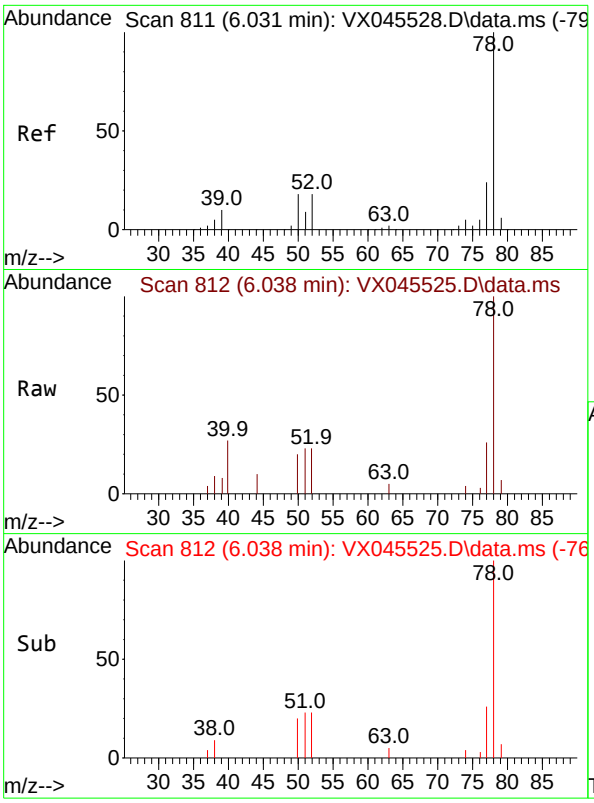


#39
Methylcyclohexane
Concen: 0.883 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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#

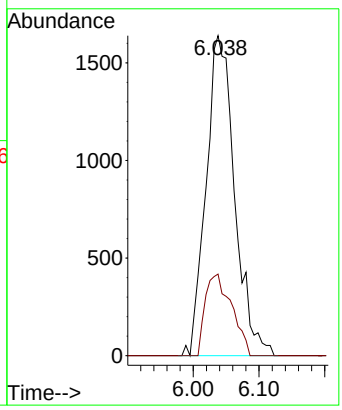




#40
Benzene
Concen: 0.967 ug/l
RT: 6.038 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 78 Resp: 495

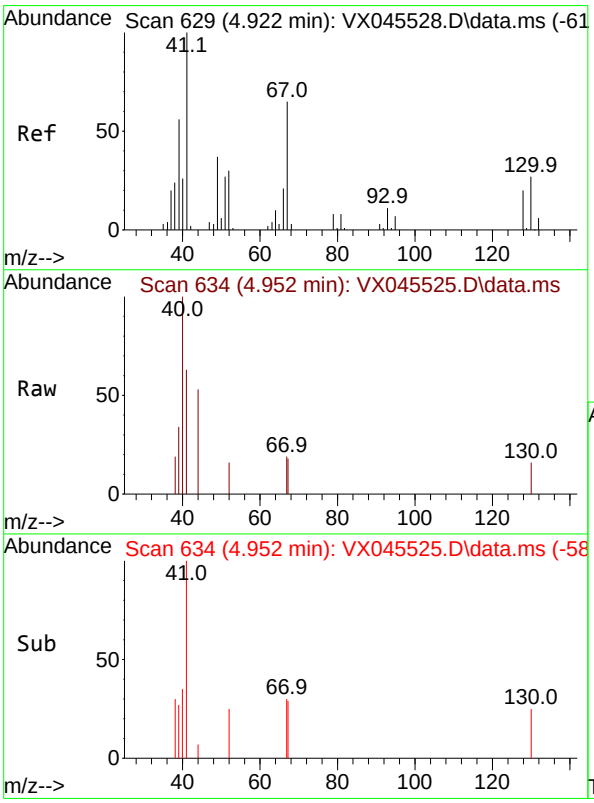
Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.0	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

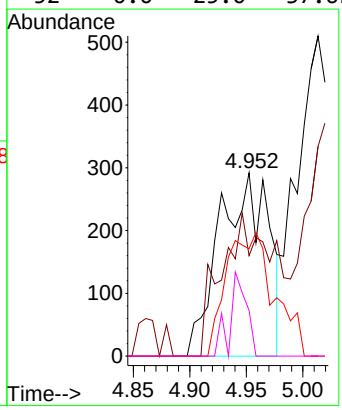
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

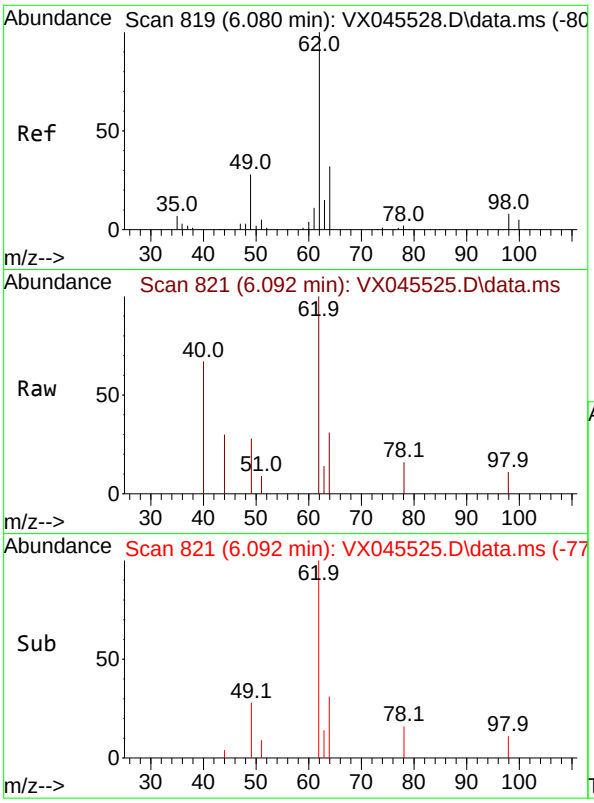


#41
Methacrylonitrile
Concen: 0.784 ug/l m
RT: 4.952 min Scan# 634
Delta R.T. 0.031 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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#

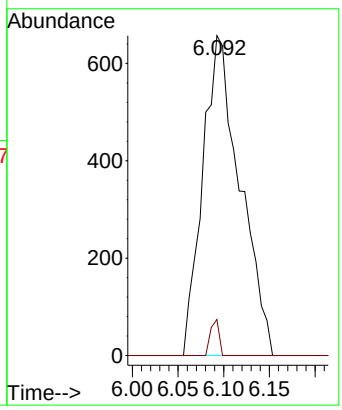




#42
1,2-Dichloroethane
Concen: 0.882 ug/l
RT: 6.092 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 62 Resp: 186

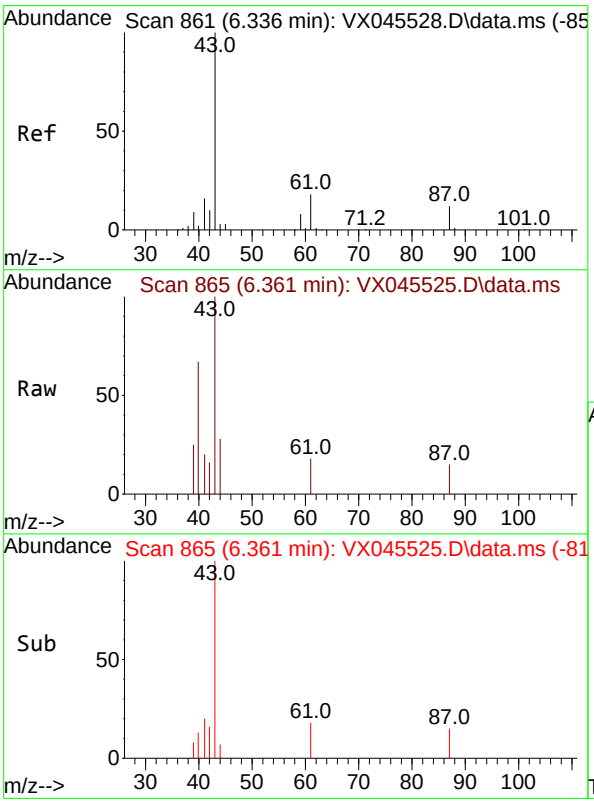
Ion	Ratio	Lower	Upper
62	100		
98	2.6	0.0	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

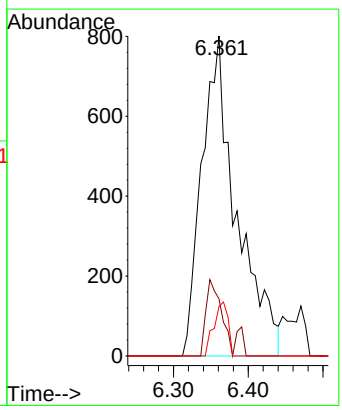
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

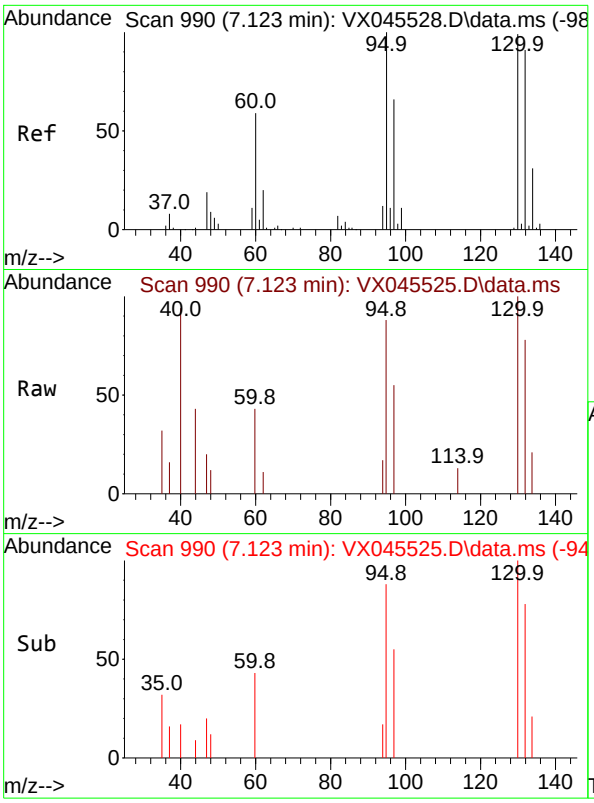


#43
Isopropyl Acetate
Concen: 0.804 ug/l
RT: 6.361 min Scan# 865
Delta R.T. 0.025 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

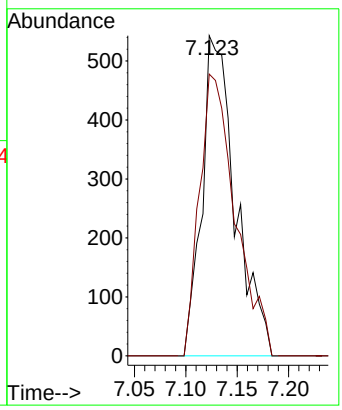
Tgt Ion:130 Resp: 122

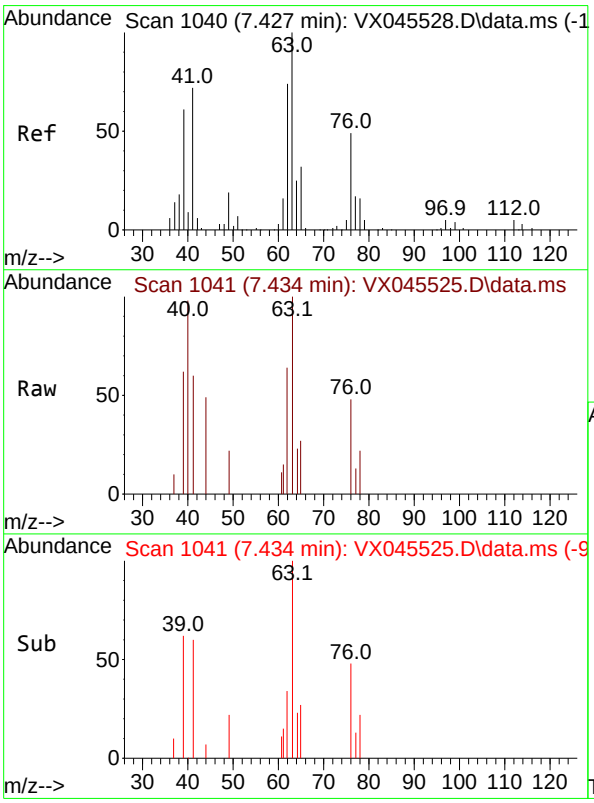
Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	202.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

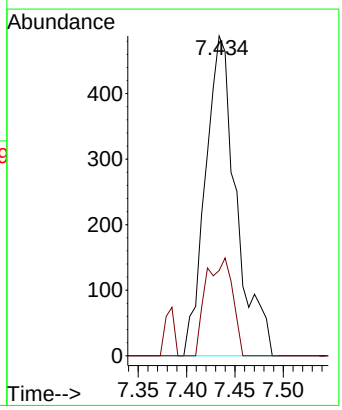


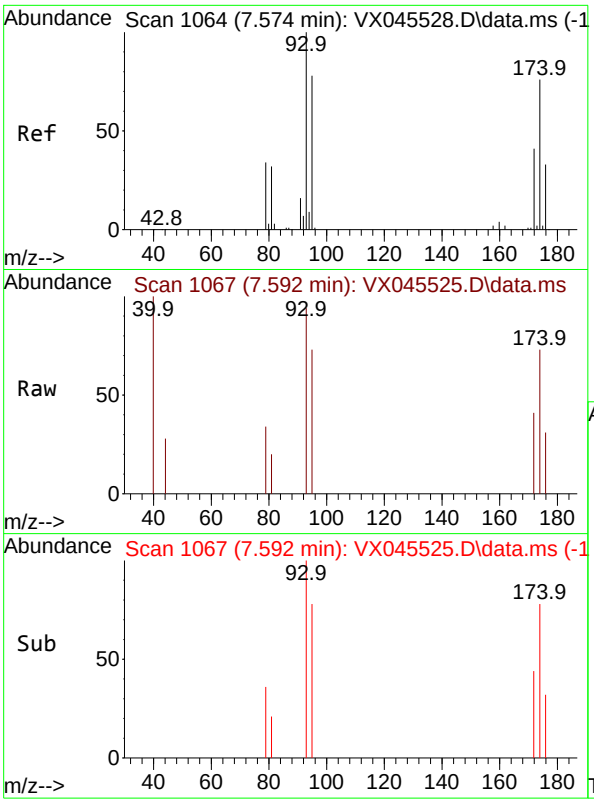


#45
1,2-Dichloropropane
Concen: 0.846 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 63 Resp: 1082

Ion	Ratio	Lower	Upper
63	100		
65	26.6	25.8	38.6

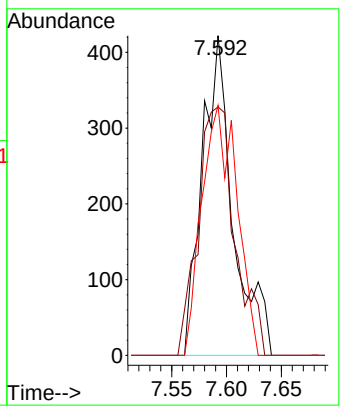




#46
Dibromomethane
Concen: 0.846 ug/l
RT: 7.592 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 93 Resp: 83

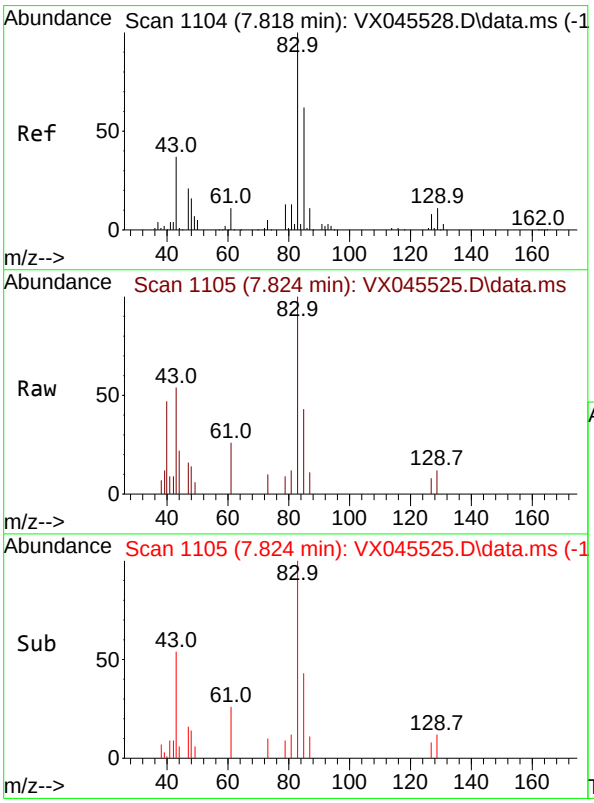
Ion	Ratio	Lower	Upper
93	100		
95	92.2	64.8	97.2
174	88.4	65.4	98.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

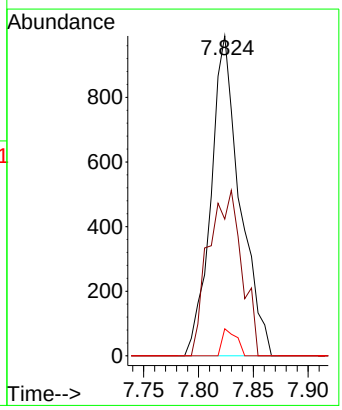
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

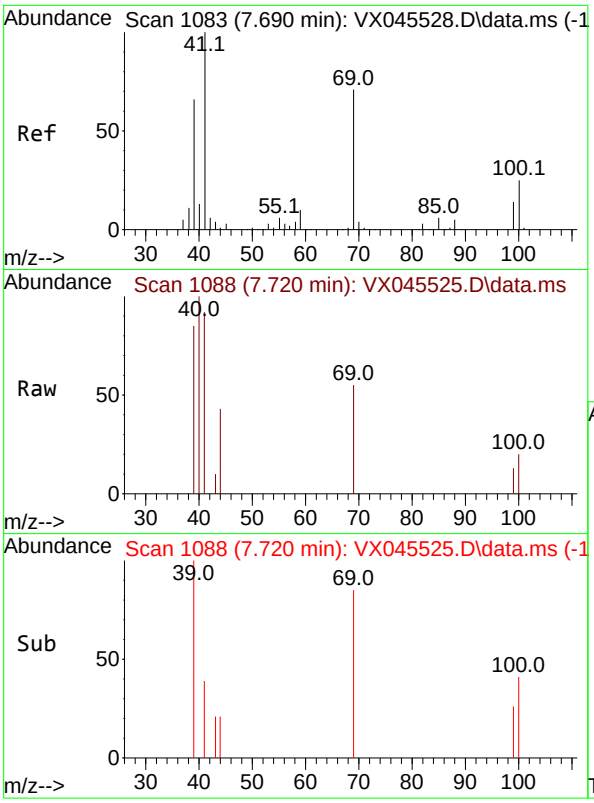


#47
Bromodichloromethane
Concen: 0.931 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

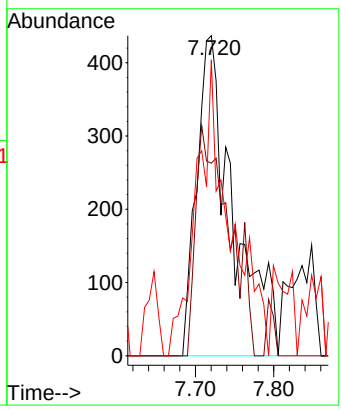




#48
Methyl methacrylate
Concen: 0.857 ug/l
RT: 7.720 min Scan# 1
Delta R.T. 0.031 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 41 Resp: 141

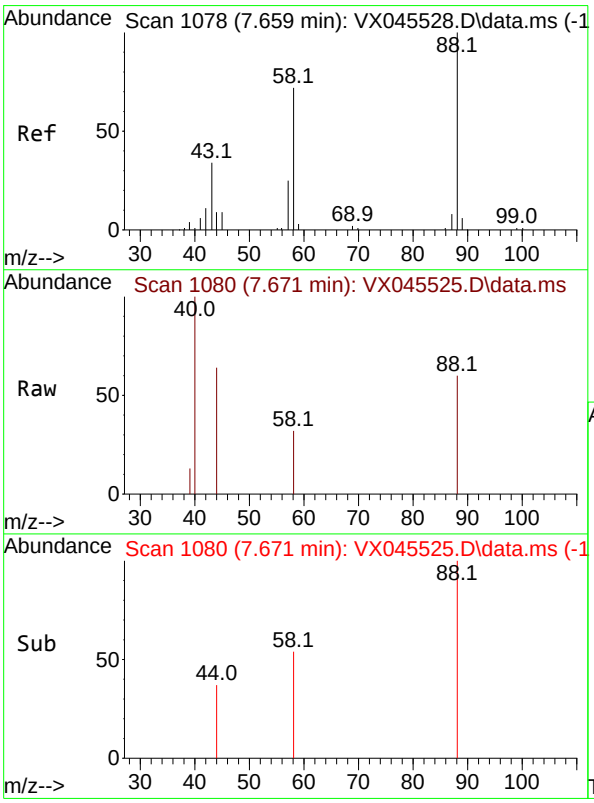
Ion	Ratio	Lower	Upper
41	100		
69	64.7	58.2	87.2
39	72.7	53.6	80.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

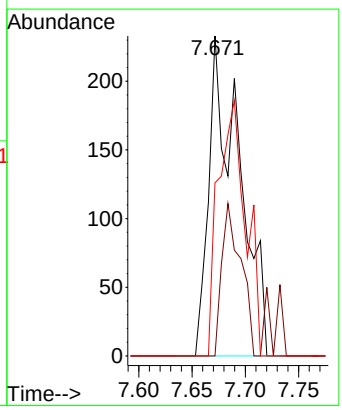
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

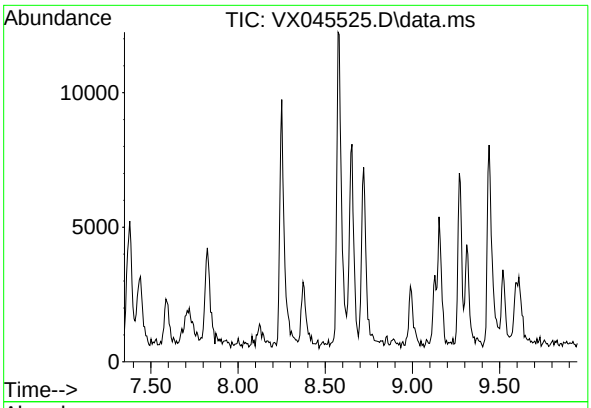


#49
1,4-Dioxane
Concen: 15.288 ug/l m
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

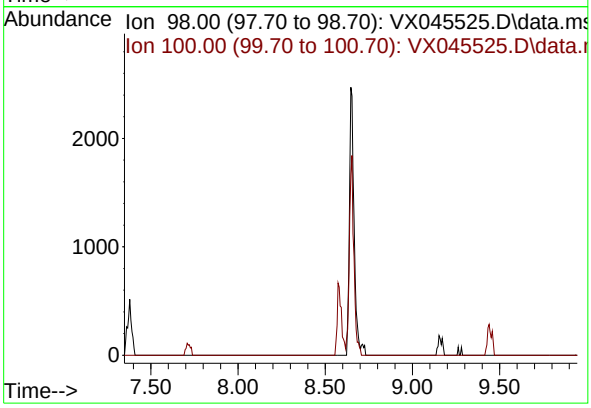
Tgt Ion: 98

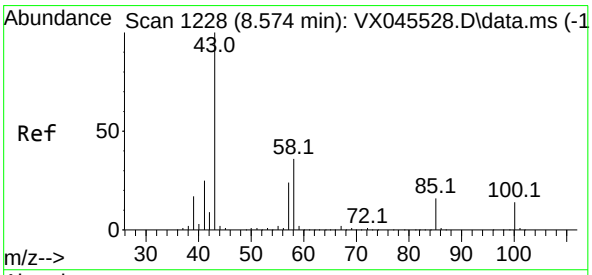
Sig	Exp Ratio
98	100
100	65.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

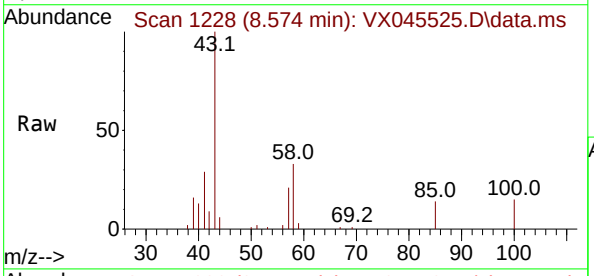


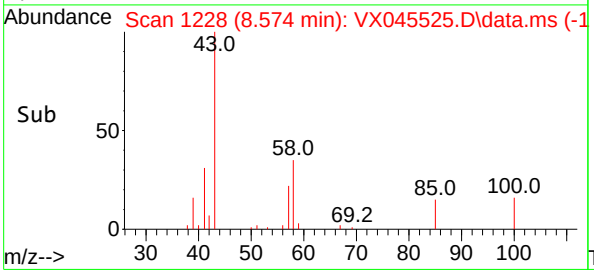


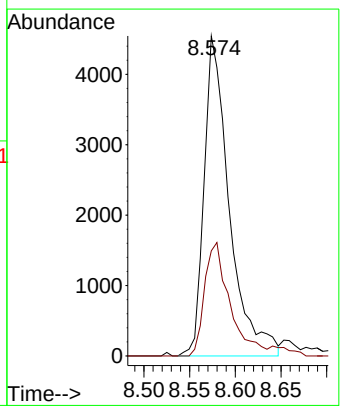
#51
4-Methyl-2-Pentanone
Concen: 4.114 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

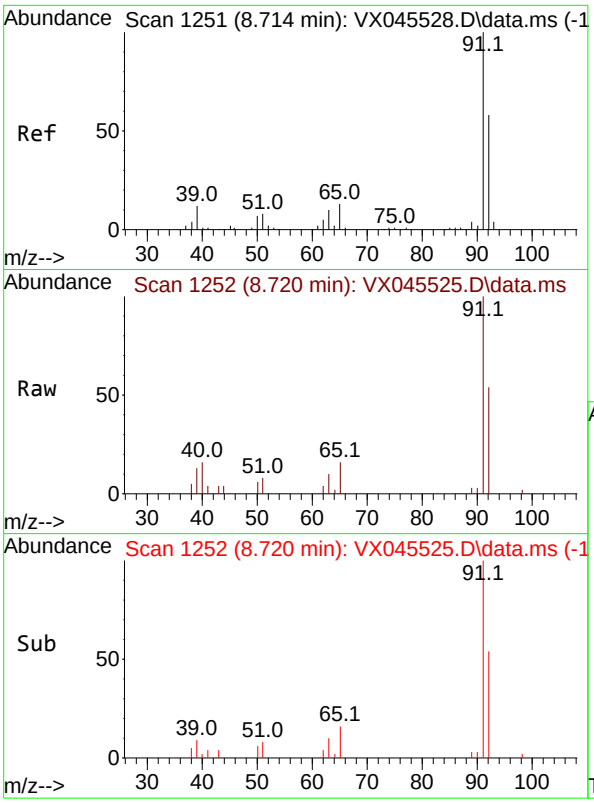
Tgt Ion: 43 Resp: 8746

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.5	42.7





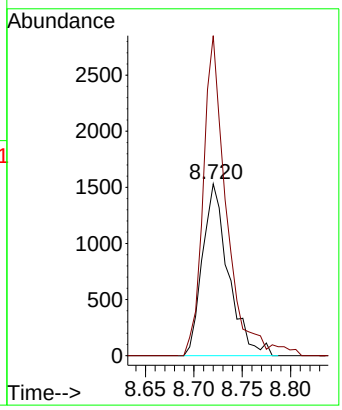




#52
Toluene
Concen: 0.923 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 92 Resp: 286

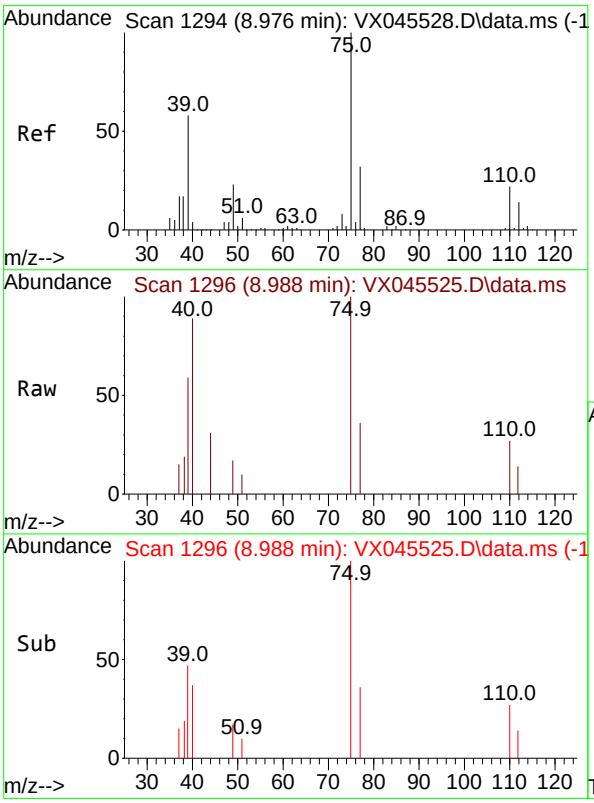
Ion	Ratio	Lower	Upper
92	100		
91	167.2	138.7	208.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

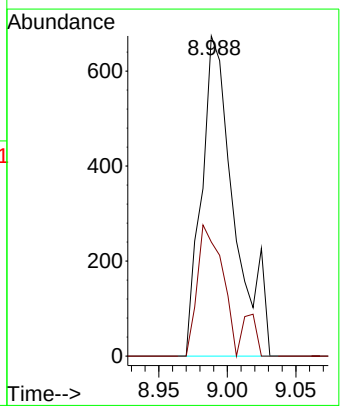
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

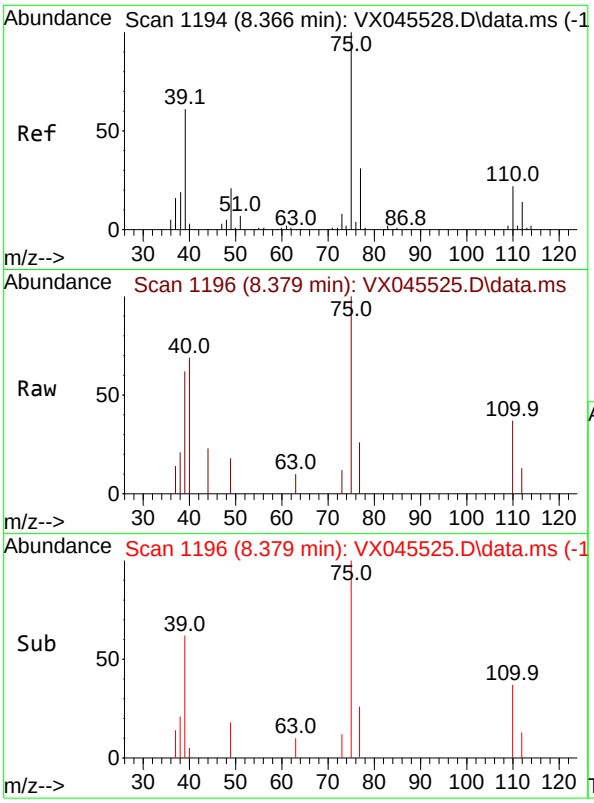


#53
t-1,3-Dichloropropene
Concen: 2.850 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 1109

Ion	Ratio	Lower	Upper
75	100		
77	35.6	25.4	38.0

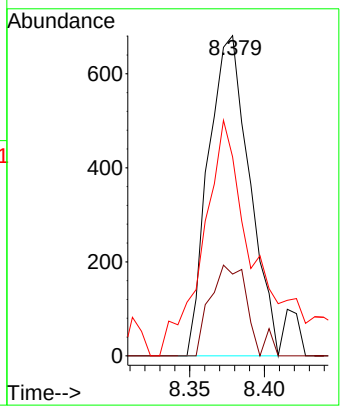




#54
cis-1,3-Dichloropropene
Concen: 0.705 ug/l
RT: 8.379 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 130

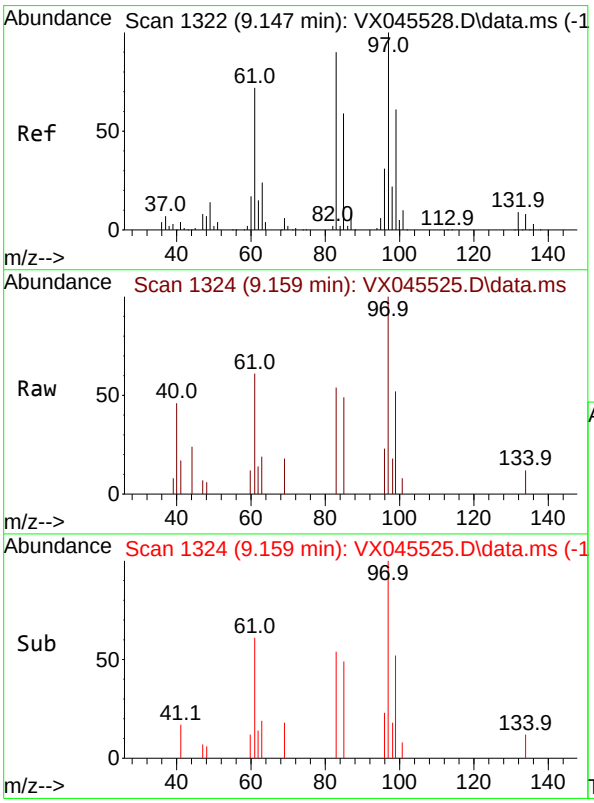
Ion	Ratio	Lower	Upper
75	100		
77	25.6	24.6	36.8
39	52.4	48.4	72.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

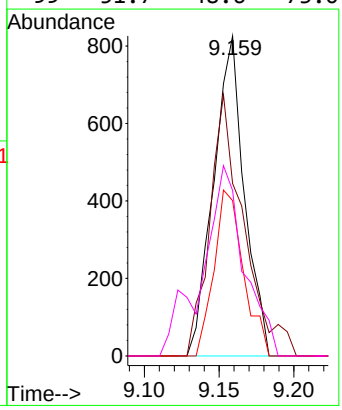
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

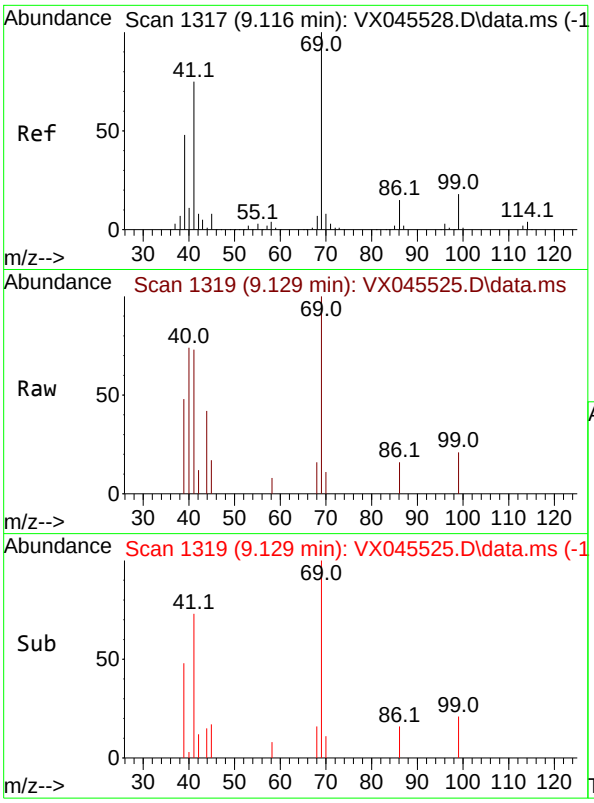


#55
1,1,2-Trichloroethane
Concen: 0.957 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

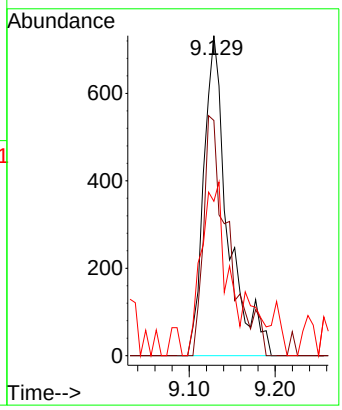




#56
Ethyl methacrylate
Concen: 0.745 ug/l m
RT: 9.129 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 69 Resp: 142

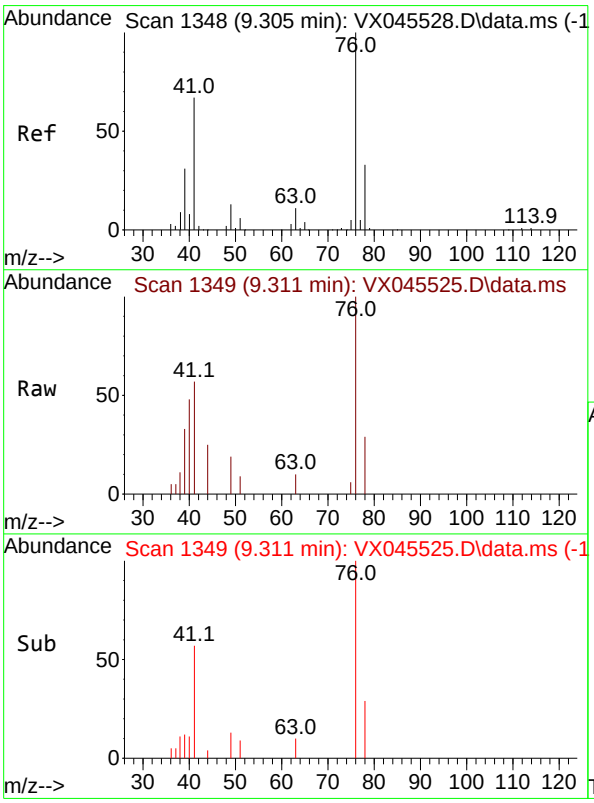
Ion	Ratio	Lower	Upper
69	100		
41	77.3	61.3	91.9
39	56.9	40.2	60.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

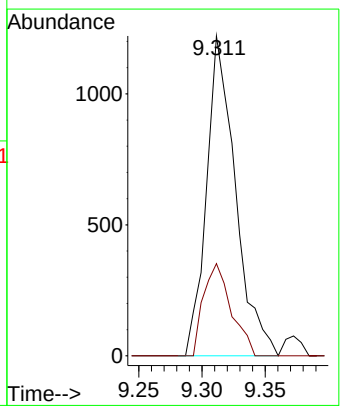
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

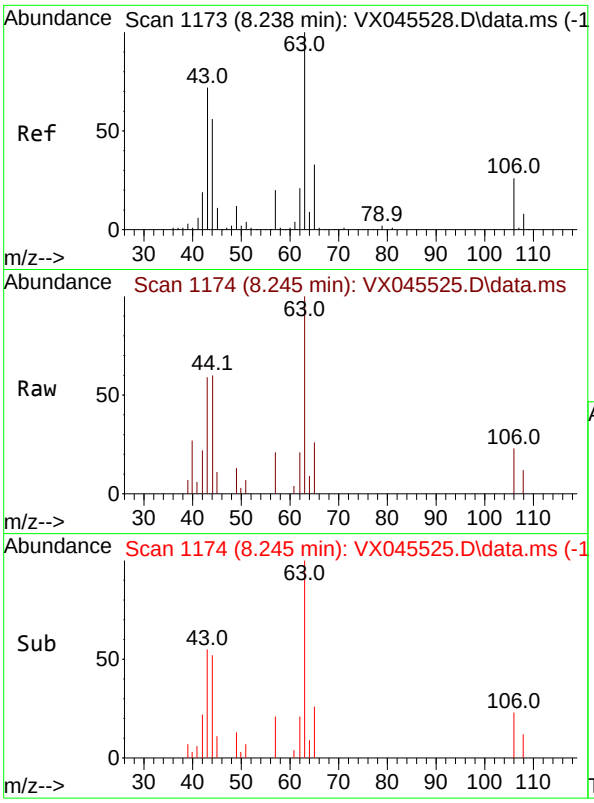


#57
1,3-Dichloropropane
Concen: 0.904 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 76 Resp: 1946

Ion	Ratio	Lower	Upper
76	100		
78	27.5	26.0	39.0

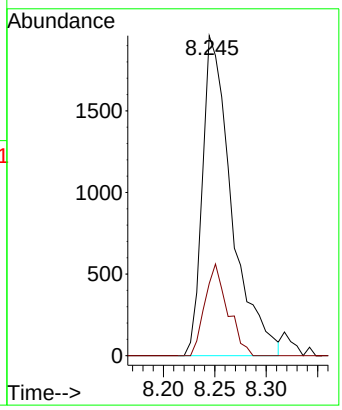




#58
2-Chloroethyl Vinyl ether
Concen: 4.008 ug/l
RT: 8.245 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 63 Resp: 388

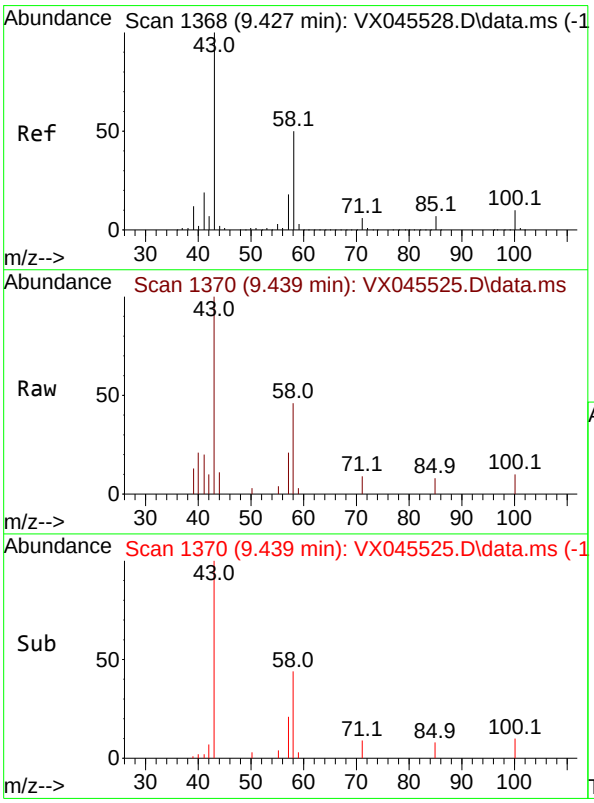
Ion	Ratio	Lower	Upper
63	100		
106	22.6	21.0	31.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

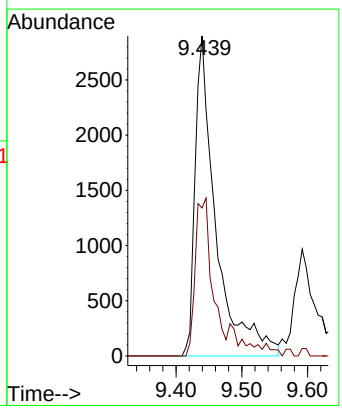
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

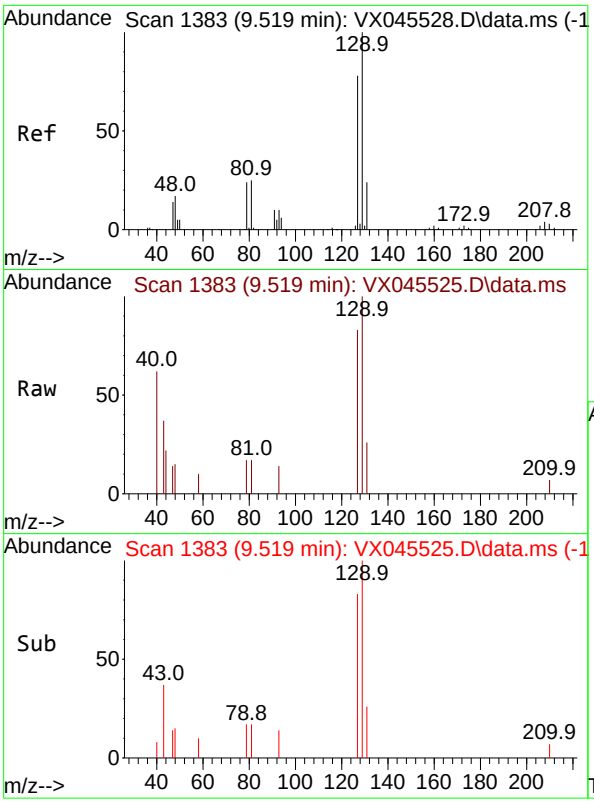


#59
2-Hexanone
Concen: 4.040 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 6360

Ion	Ratio	Lower	Upper
43	100		
58	39.5	24.9	74.6

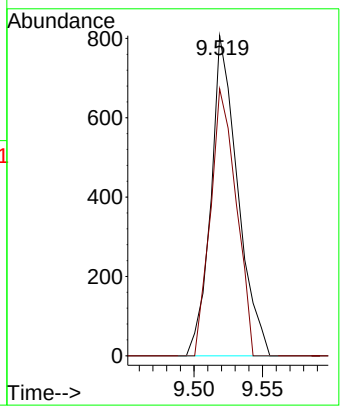




#60
Dibromochloromethane
Concen: 0.814 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:129 Resp: 109

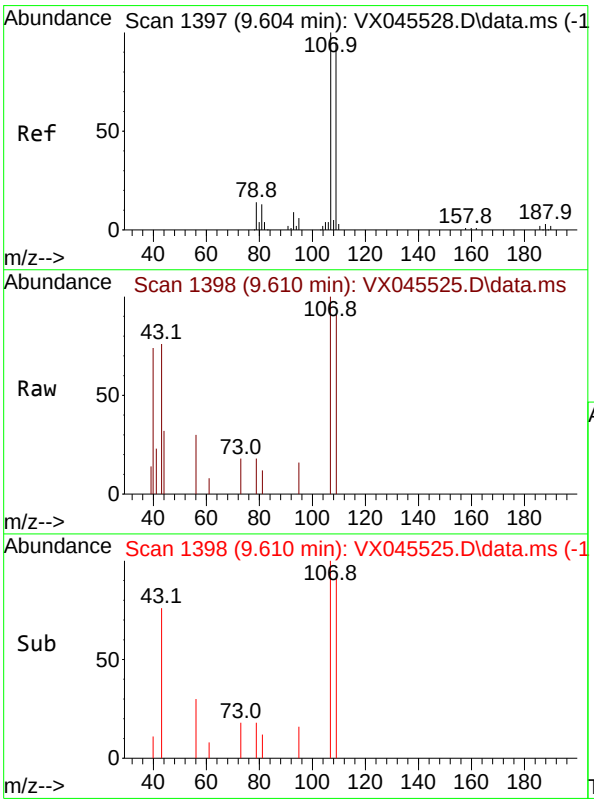
Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.4	118.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

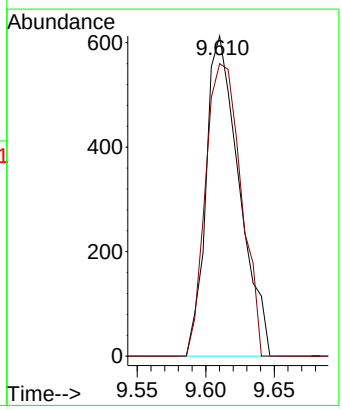
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

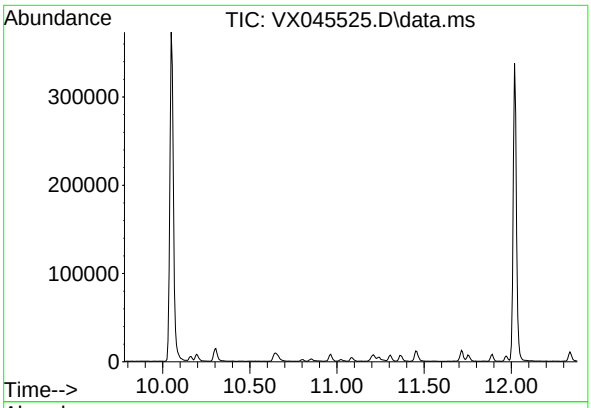


#61
1,2-Dibromoethane
Concen: 0.825 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

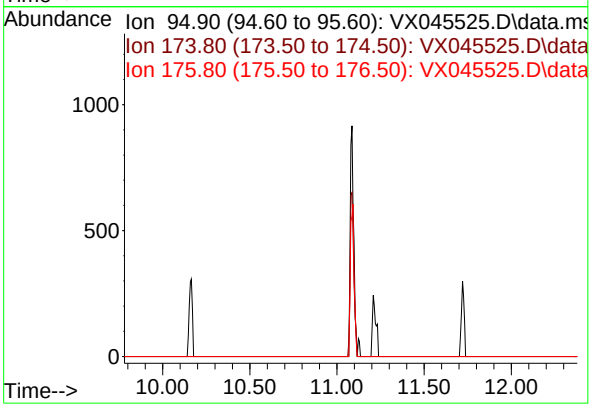
Tgt Ion: 95

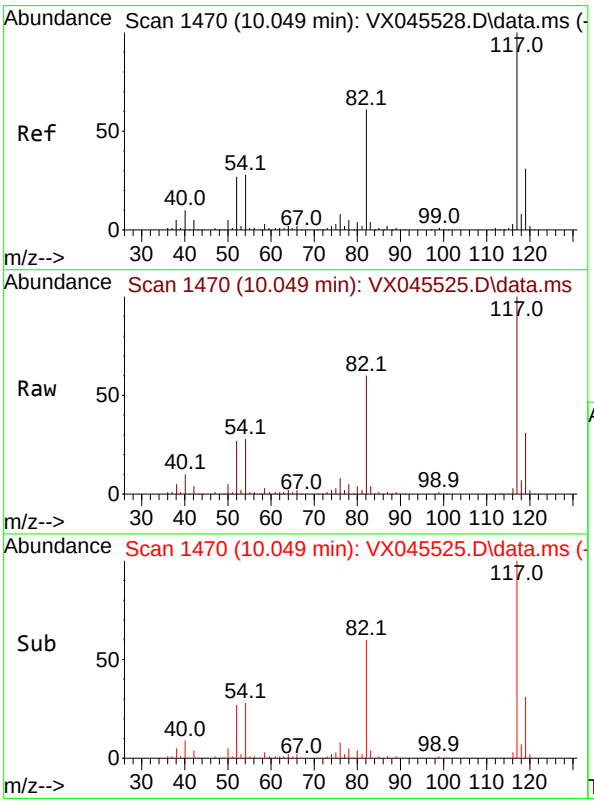
Sig	Exp Ratio
95	100
174	67.9
176	65.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

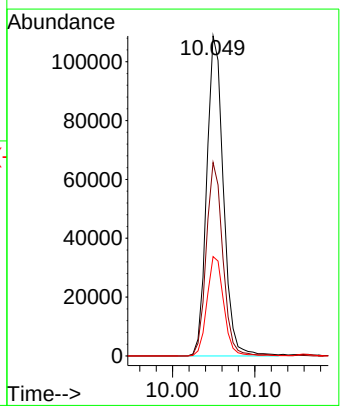


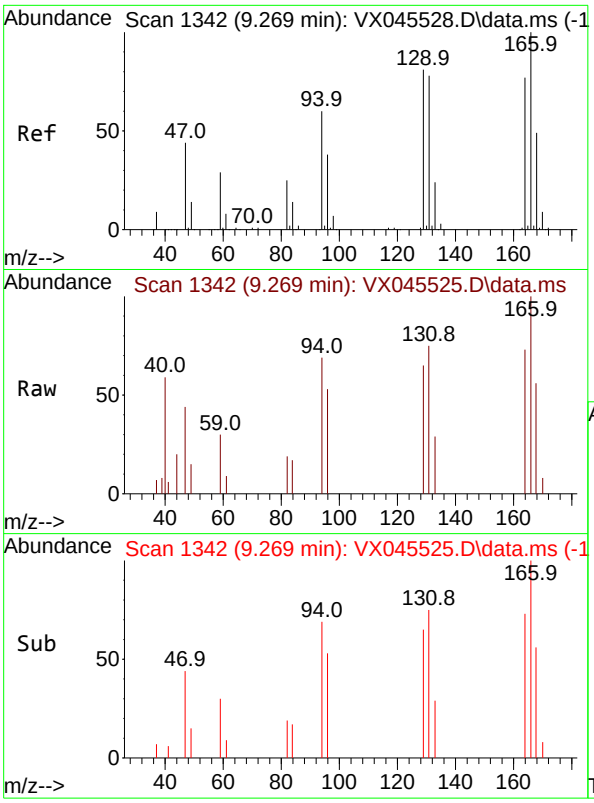


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

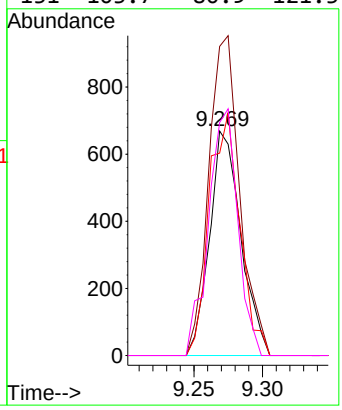




#64
Tetrachloroethene
Concen: 0.981 ug/l
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:164 Resp: 106

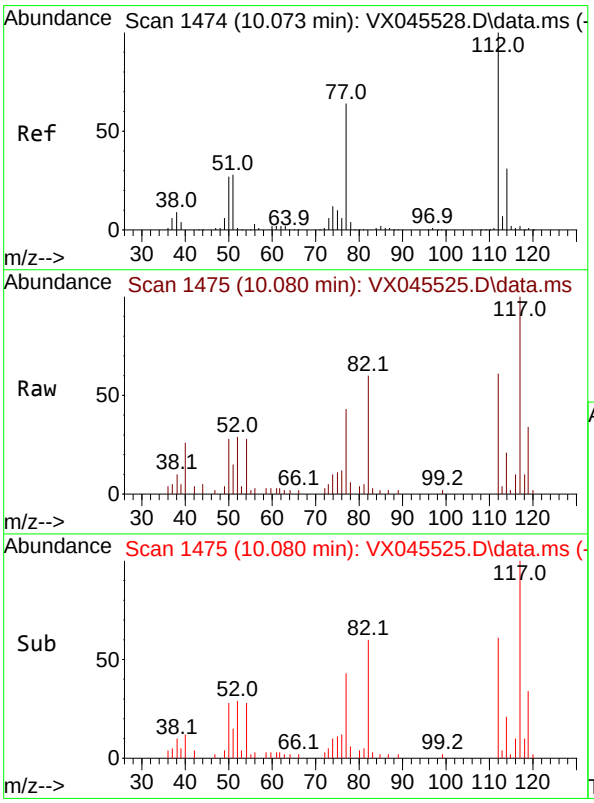
Ion	Ratio	Lower	Upper
164	100		
166	137.7	103.8	155.8
129	90.1	84.3	126.5
131	103.7	80.9	121.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

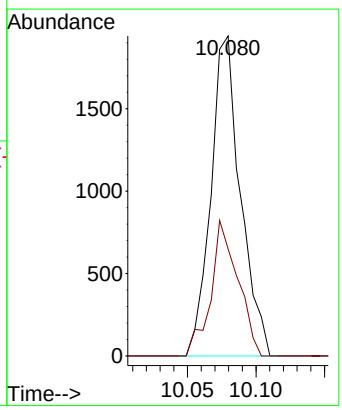
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

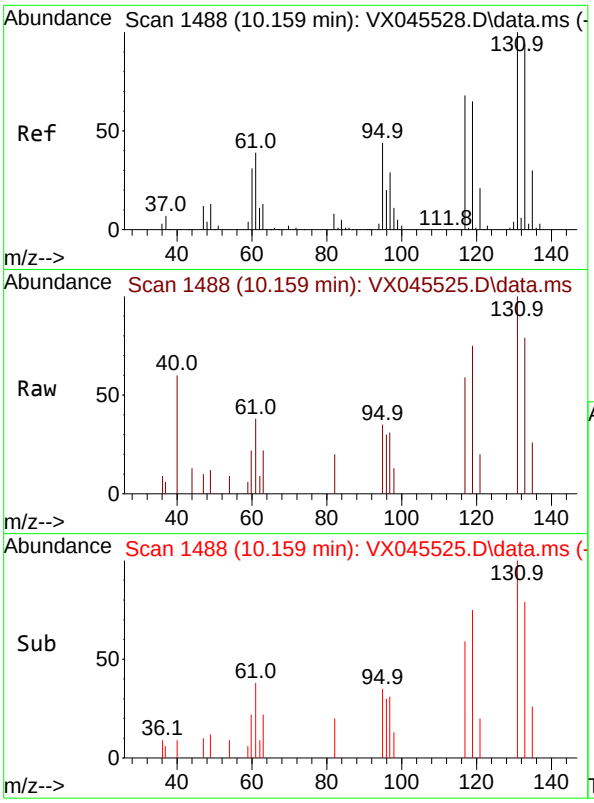


#65
Chlorobenzene
Concen: 0.890 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:112 Resp: 2916

Ion	Ratio	Lower	Upper
112	100		
114	33.5	24.7	37.1

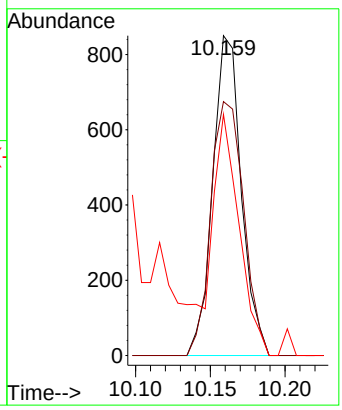




#66
1,1,1,2-Tetrachloroethane
Concen: 0.992 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:131 Resp: 112

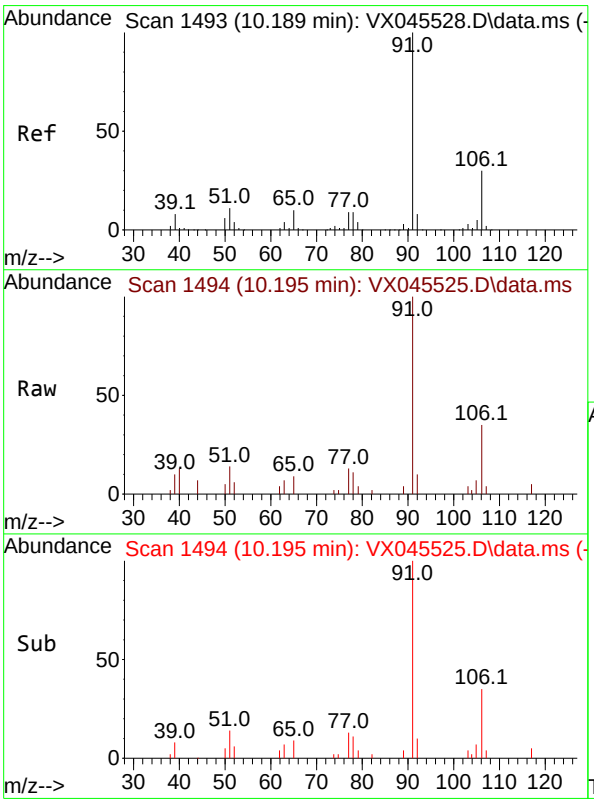
Ion	Ratio	Lower	Upper
131	100		
133	91.6	47.5	142.5
119	0.0	32.9	98.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

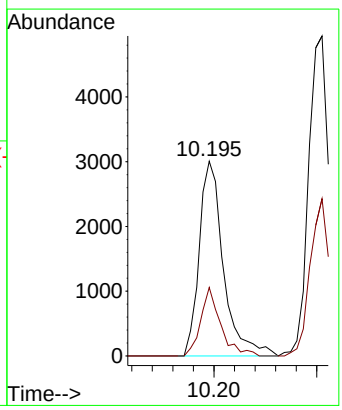
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

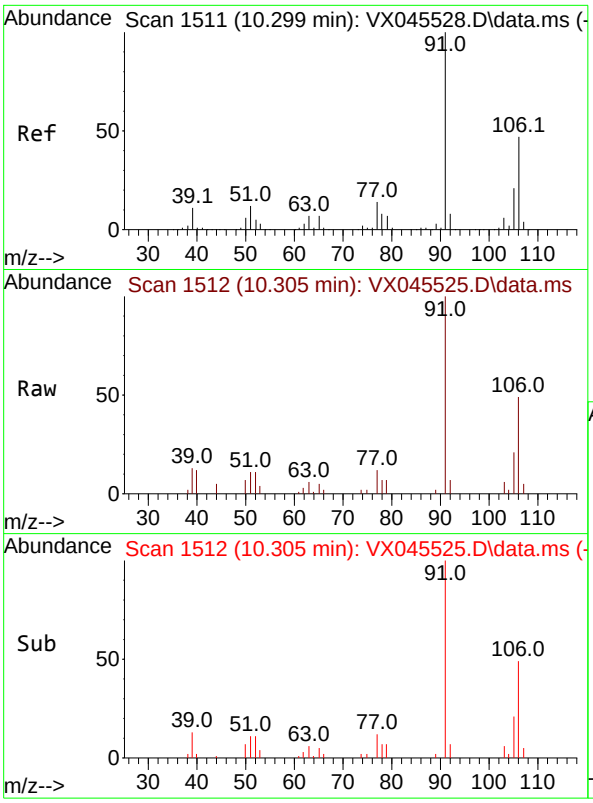


#67
Ethyl Benzene
Concen: 0.840 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 4930

Ion	Ratio	Lower	Upper
91	100		
106	35.2	23.7	35.5

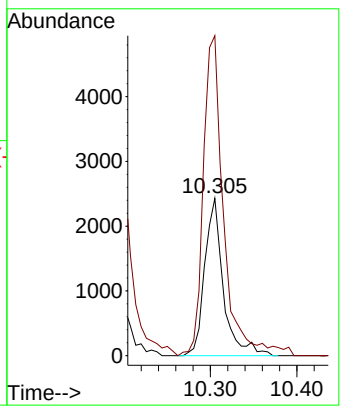




#68
m/p-Xylenes
Concen: 1.708 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:106 Resp: 364

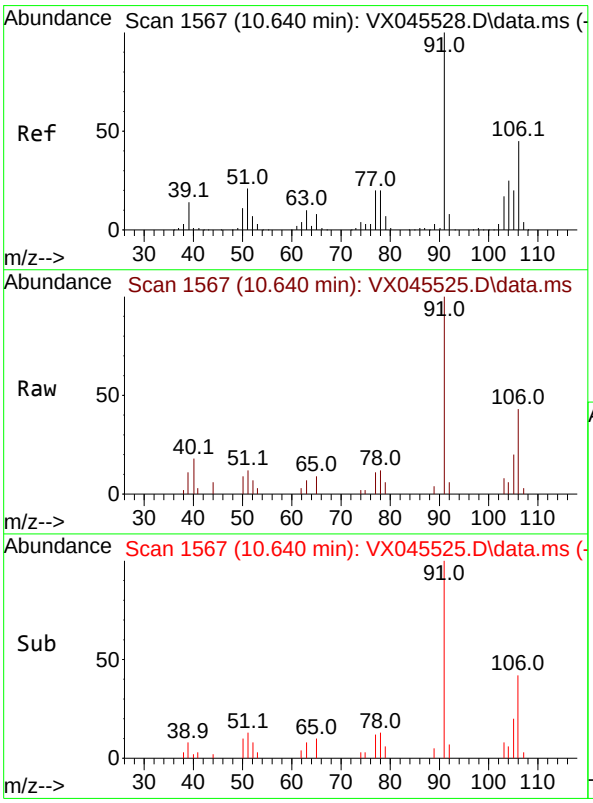
Ion	Ratio	Lower	Upper
106	100		
91	221.2	172.6	258.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

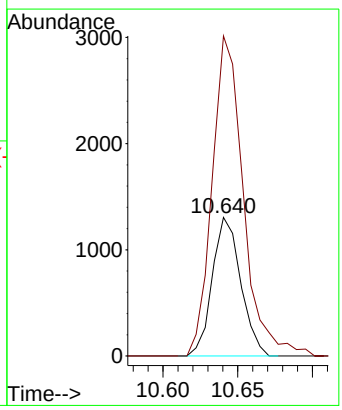
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

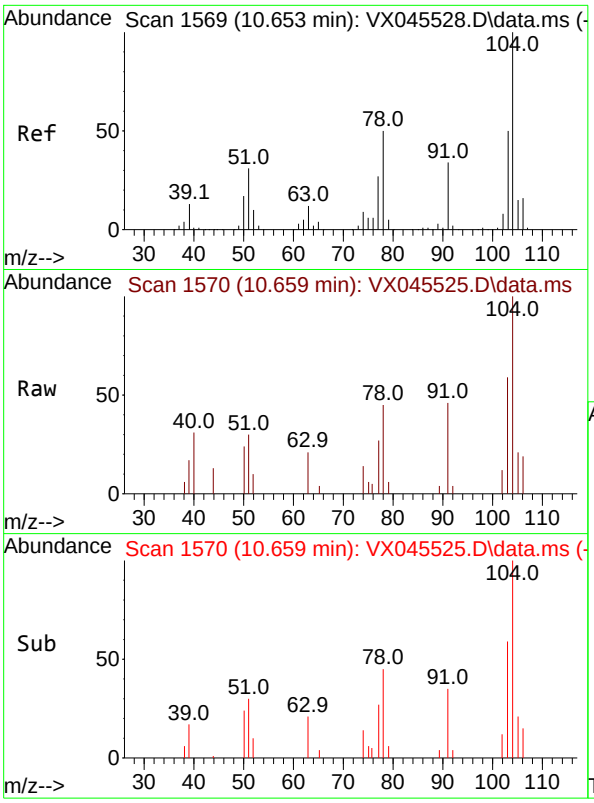


#69
o-Xylene
Concen: 0.820 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:106 Resp: 1724

Ion	Ratio	Lower	Upper
106	100		
91	254.4	113.6	340.6

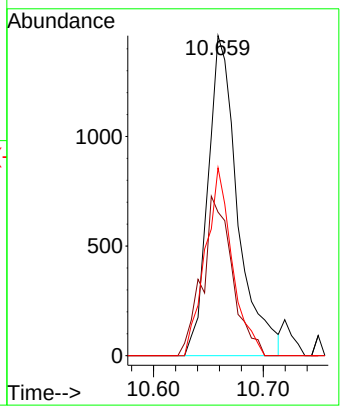




#70
Styrene
Concen: 0.793 ug/l
RT: 10.659 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:104 Resp: 275

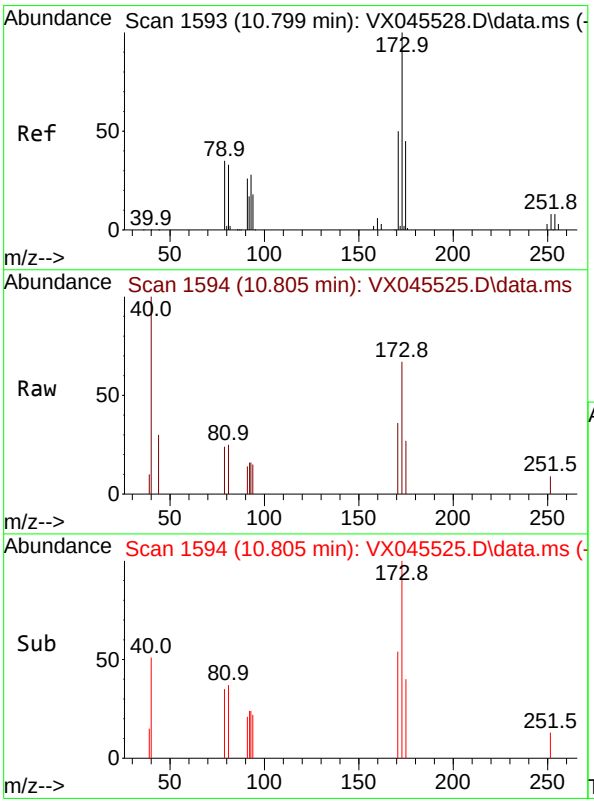
Ion	Ratio	Lower	Upper
104	100		
78	50.1	45.4	68.2
103	53.2	43.8	65.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

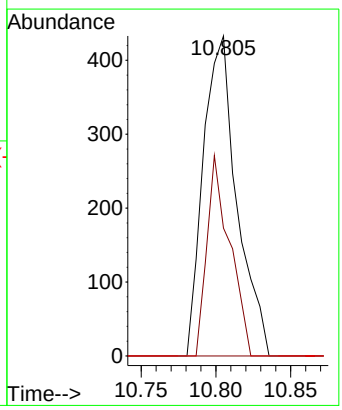
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

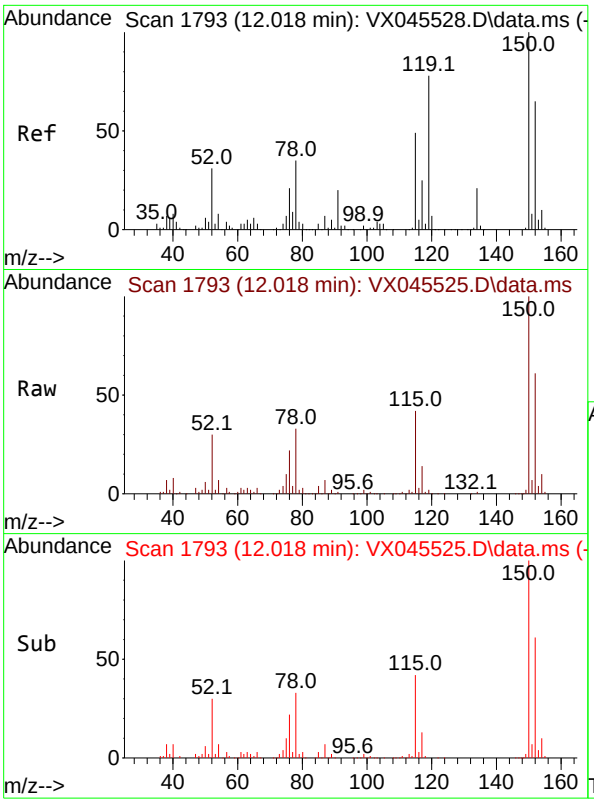


#71
Bromoform
Concen: 0.795 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

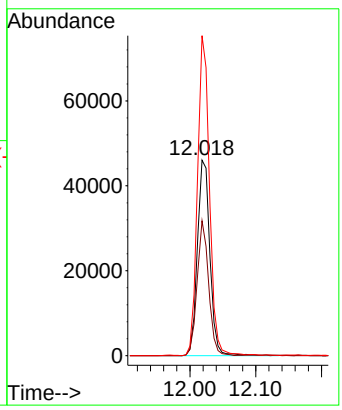




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:152 Resp: 6111

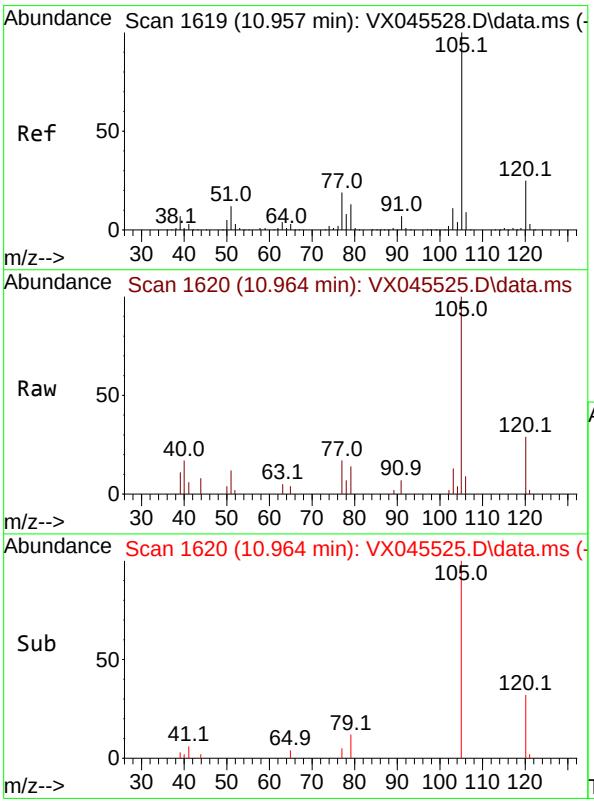
Ion	Ratio	Lower	Upper
152	100		
115	63.5	46.9	140.7
150	155.9	0.0	349.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

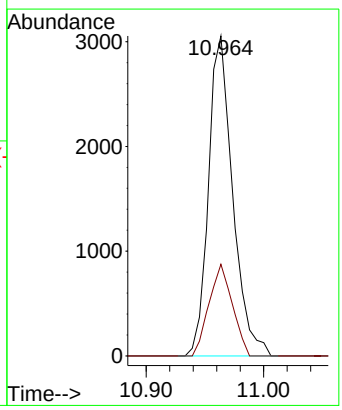
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

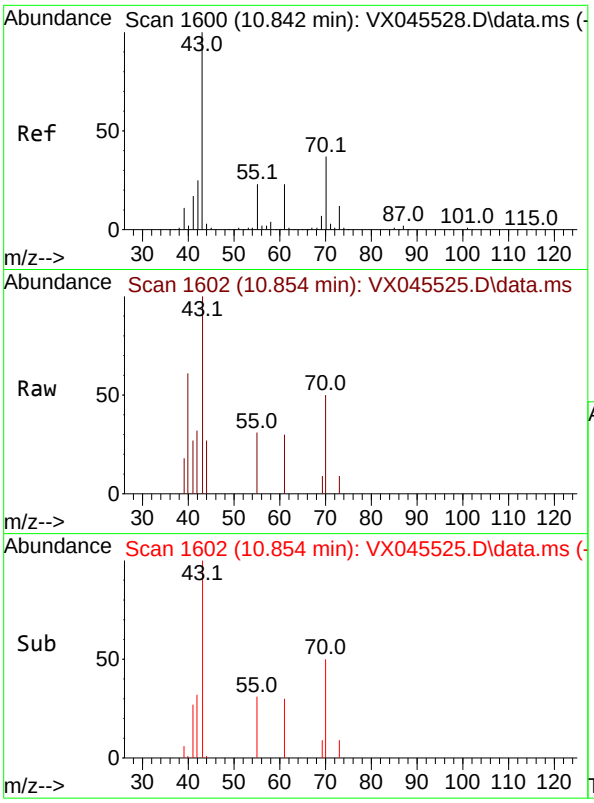


#73
Isopropylbenzene
Concen: 0.894 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:105 Resp: 4377

Ion	Ratio	Lower	Upper
105	100		
120	27.6	12.7	38.0

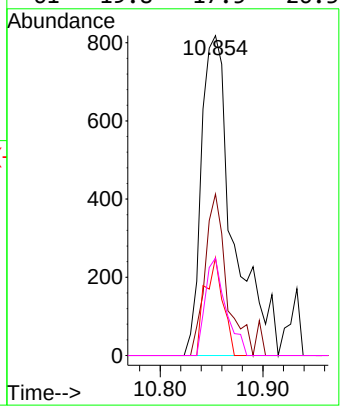




#74
N-amyl acetate
Concen: 0.752 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 43 Resp: 176

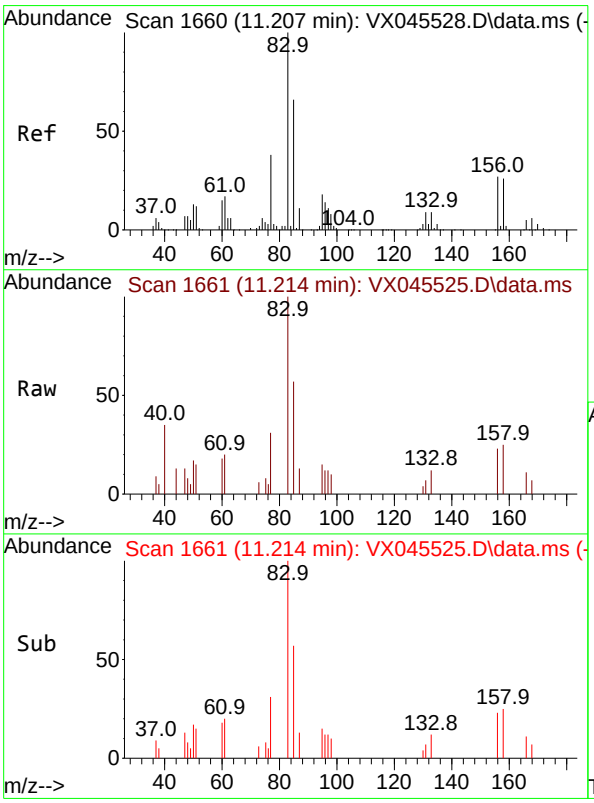
Ion	Ratio	Lower	Upper
43	100		
70	34.4	30.1	45.1
55	17.3	18.3	27.5
61	19.8	17.5	26.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

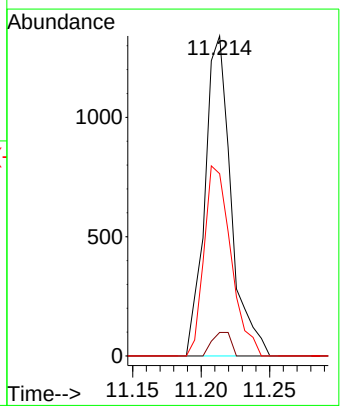
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

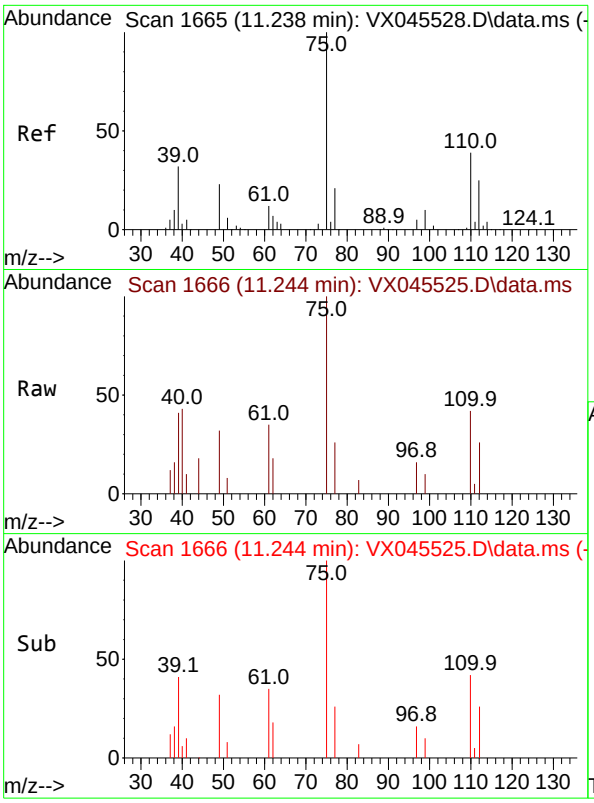


#75
1,1,2,2-Tetrachloroethane
Concen: 1.036 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

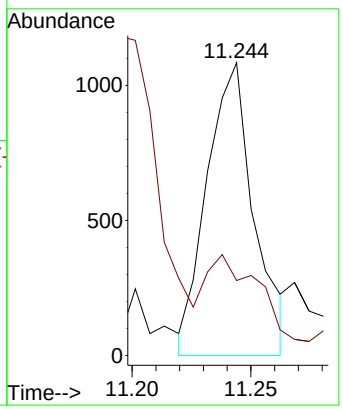




#76
1,2,3-Trichloropropane
Concen: 1.002 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 75 Resp: 149

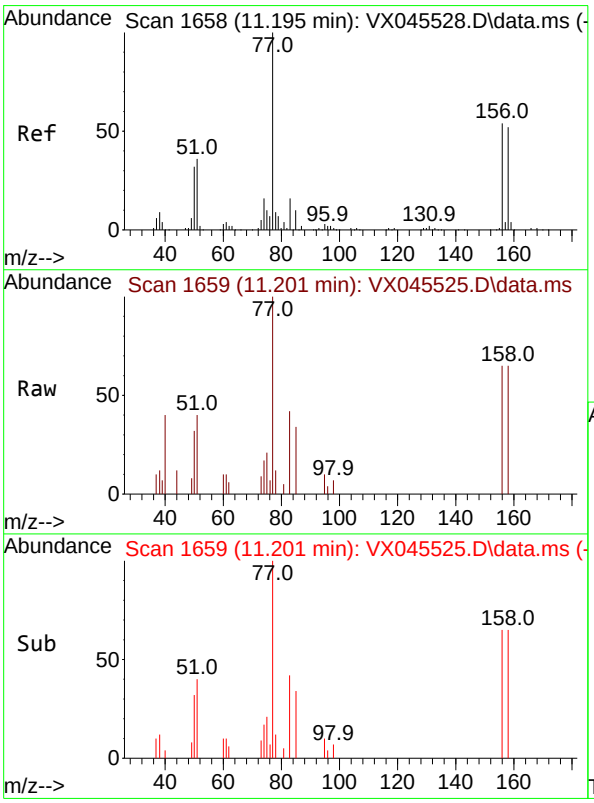
Ion	Ratio	Lower	Upper
75	100		
77	42.1	20.0	59.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

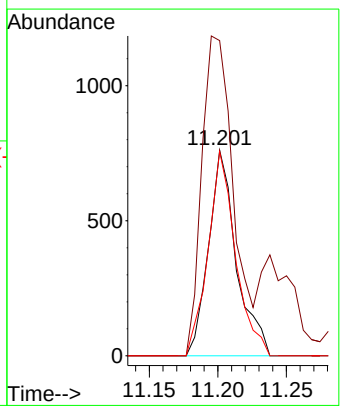
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

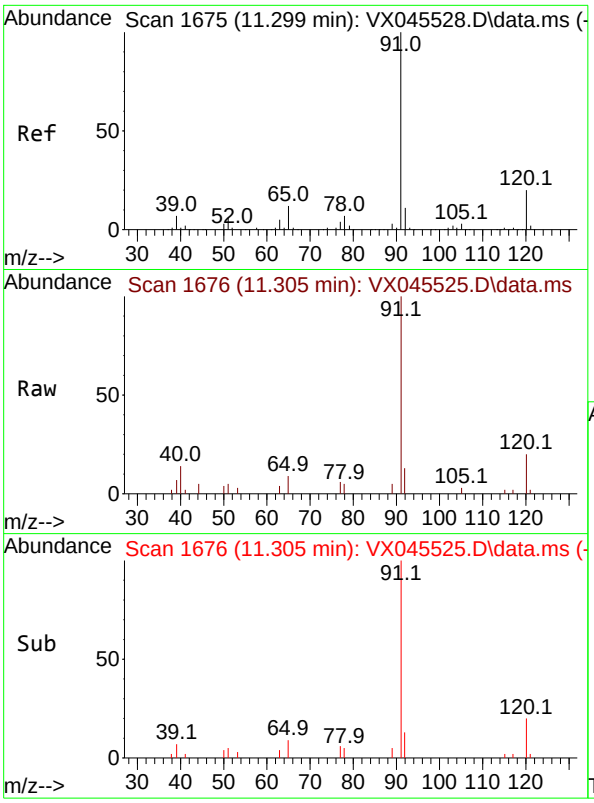


#77
Bromobenzene
Concen: 0.948 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

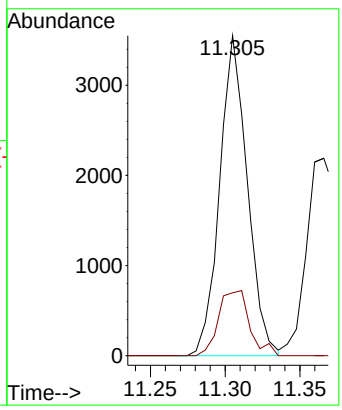




#78
n-propylbenzene
Concen: 0.809 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 456

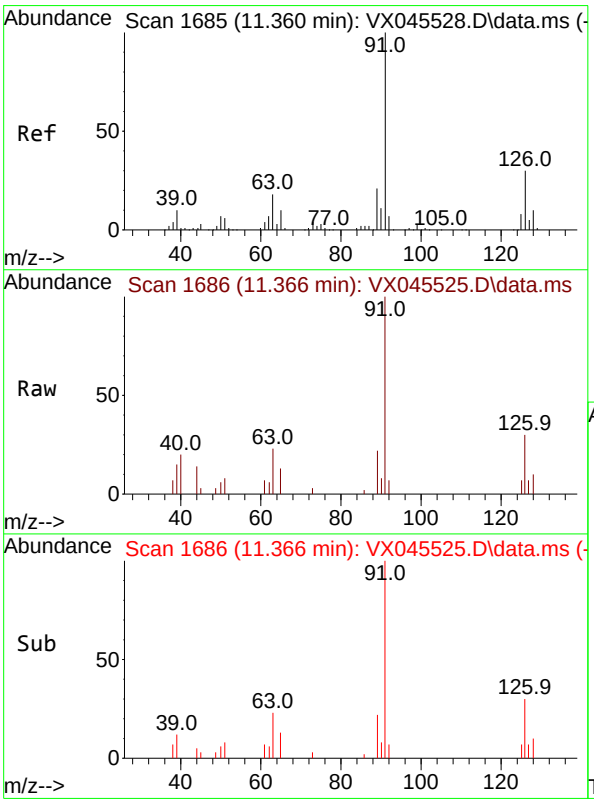
Ion	Ratio	Lower	Upper
91	100		
120	22.8	10.8	32.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

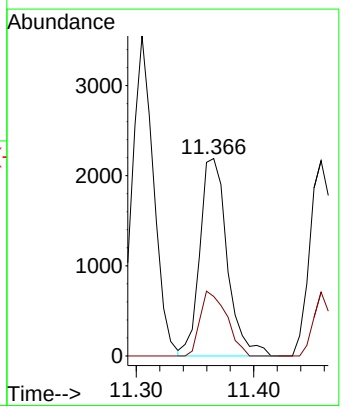
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

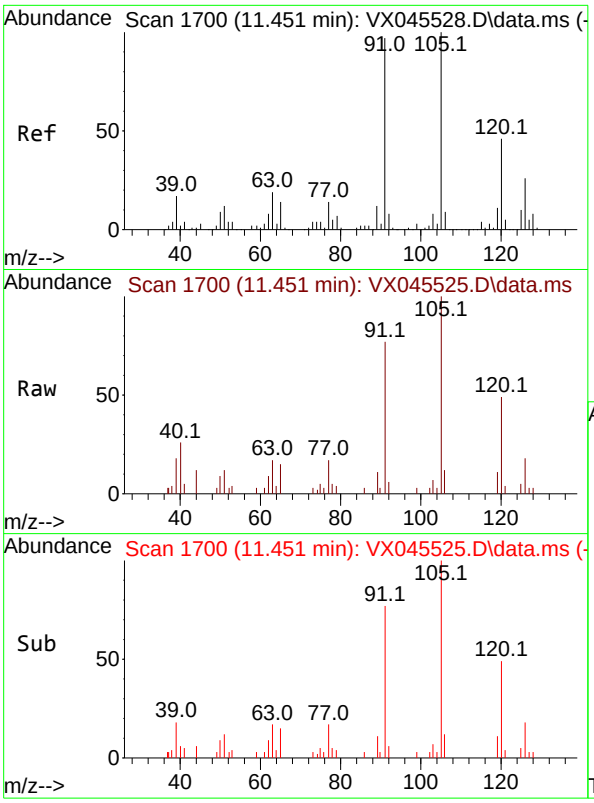


#79
2-Chlorotoluene
Concen: 0.981 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 3537

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.8	47.4

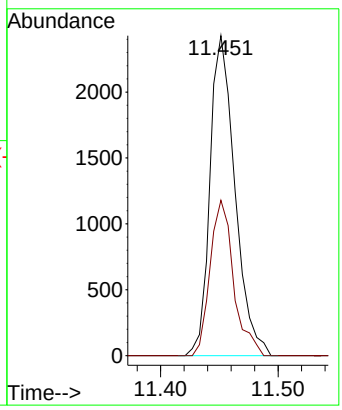




#80
1,3,5-Trimethylbenzene
Concen: 0.885 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:105 Resp: 358

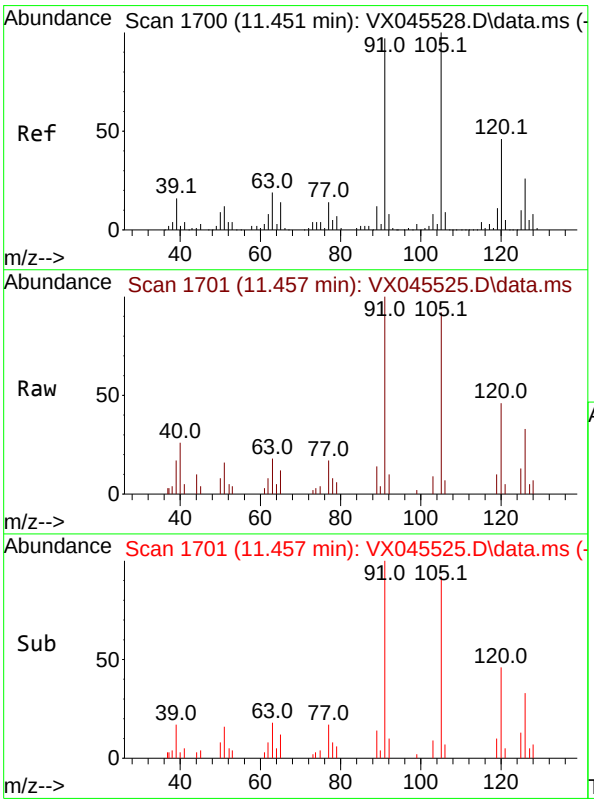
Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.0	69.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

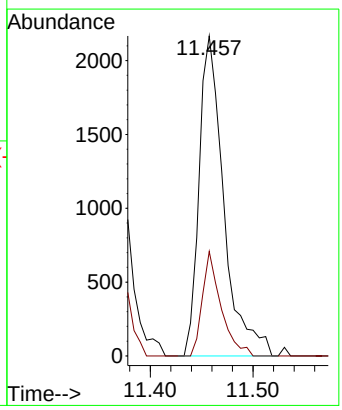
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

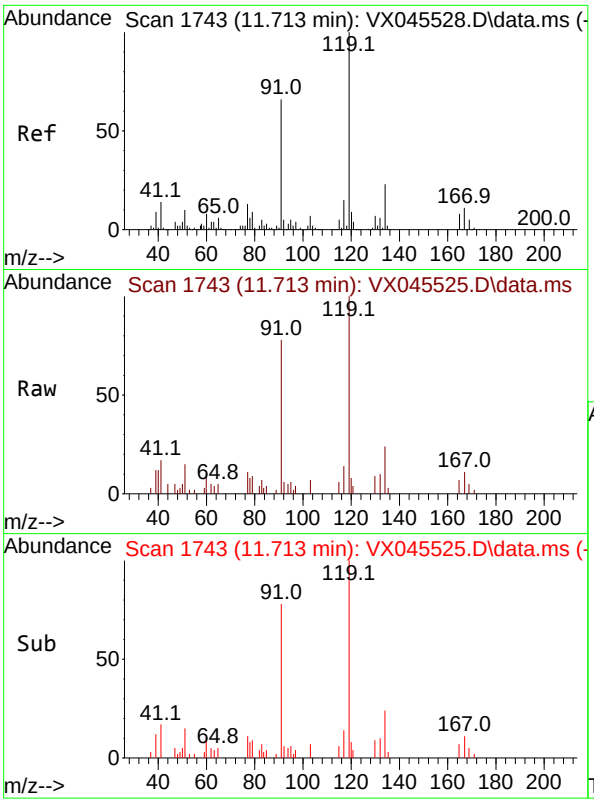


#82
4-Chlorotoluene
Concen: 0.900 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 3619

Ion	Ratio	Lower	Upper
91	100		
126	24.7	13.3	39.9

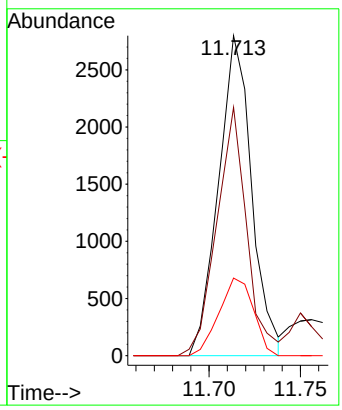




#83
tert-Butylbenzene
Concen: 0.883 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:119 Resp: 353

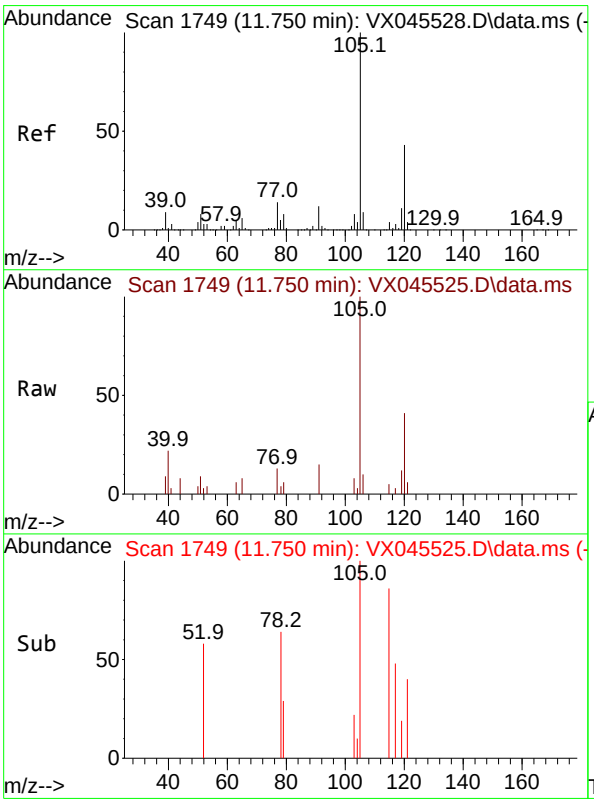
Ion	Ratio	Lower	Upper
119	100		
91	70.3	32.4	97.2
134	25.2	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

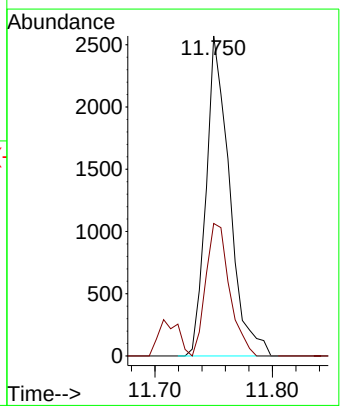
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

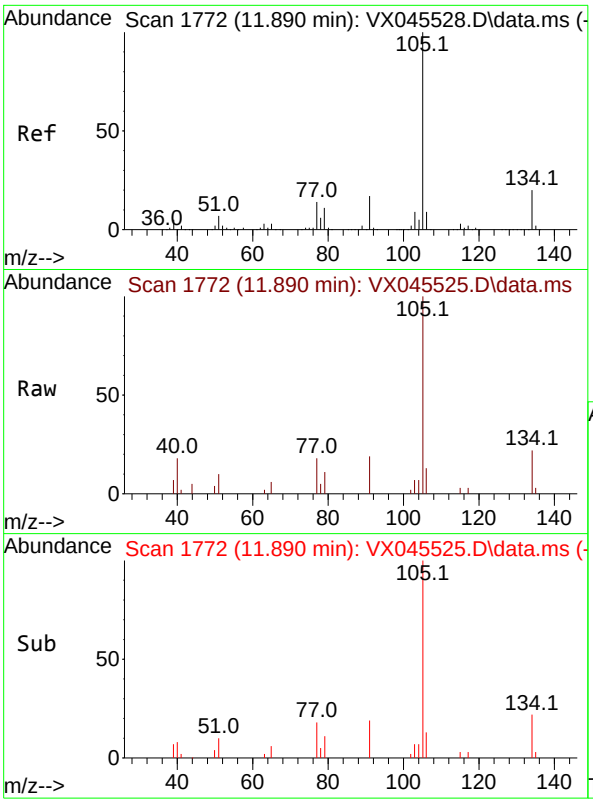


#84
1,2,4-Trimethylbenzene
Concen: 0.874 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:105 Resp: 3552

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.4	64.3

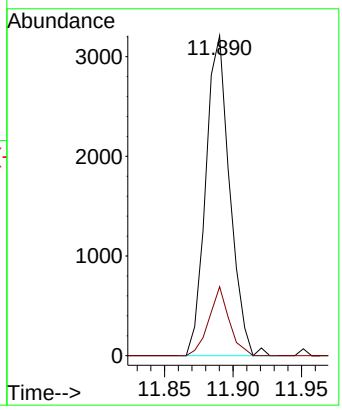




#85
sec-Butylbenzene
Concen: 0.793 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:105 Resp: 390

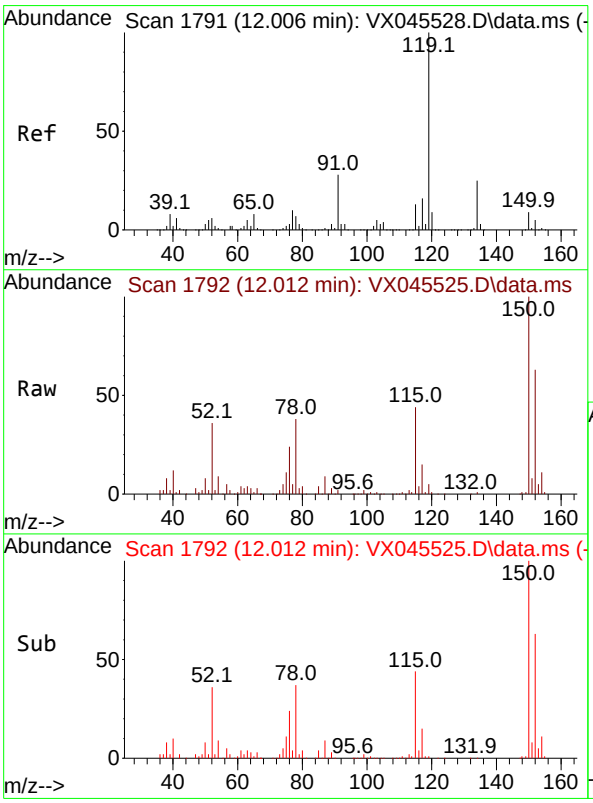
Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

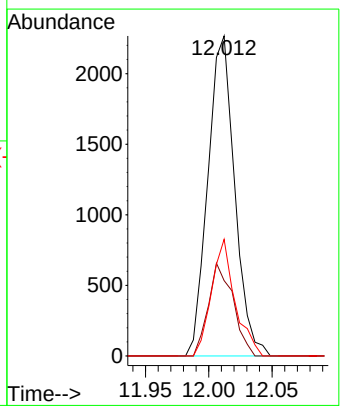
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

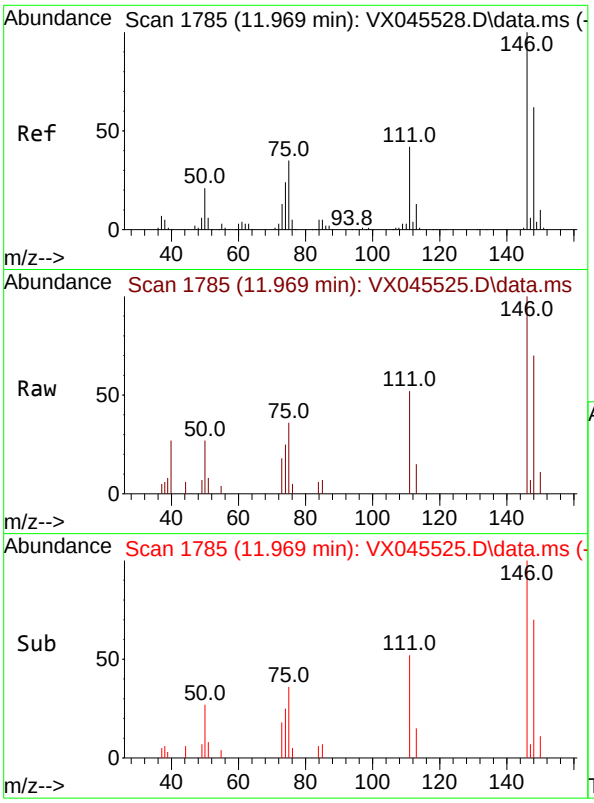


#86
p-Isopropyltoluene
Concen: 0.824 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

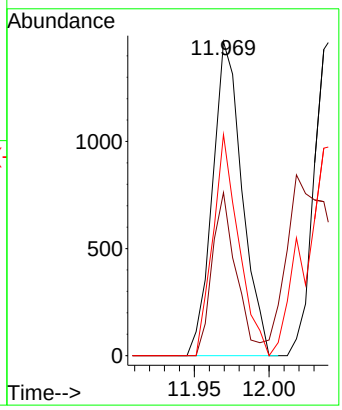




#87
1,3-Dichlorobenzene
Concen: 0.984 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:146 Resp: 202

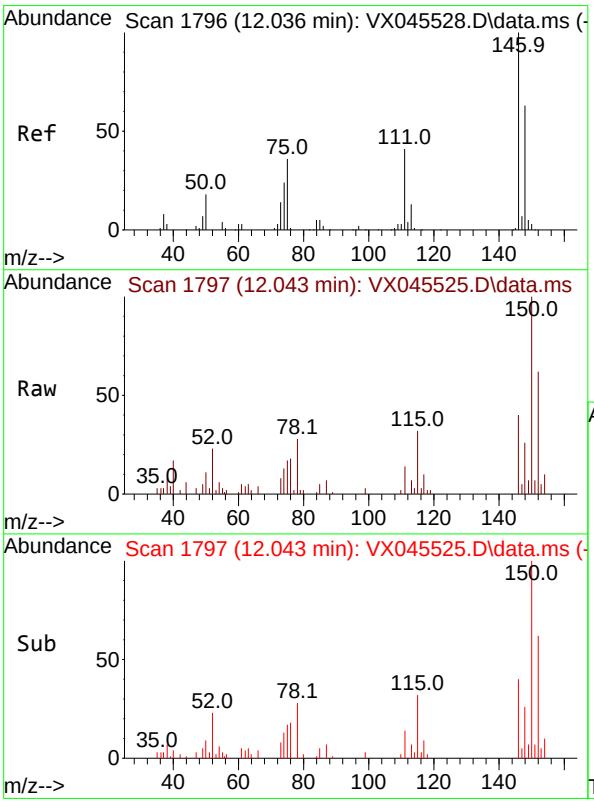
Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.2	66.6
148	61.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

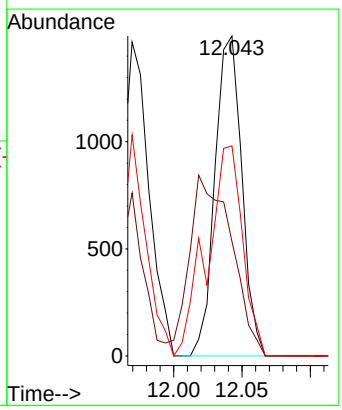
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

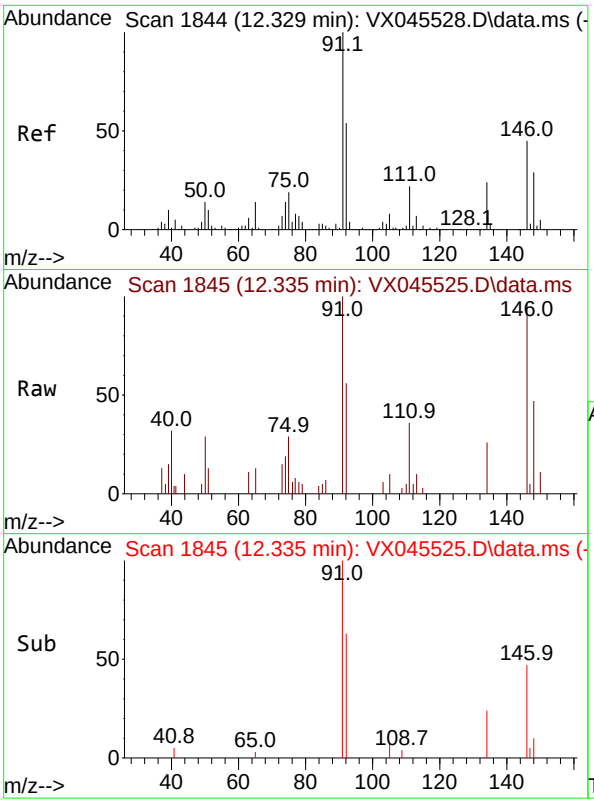


#88
1,4-Dichlorobenzene
Concen: 0.978 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

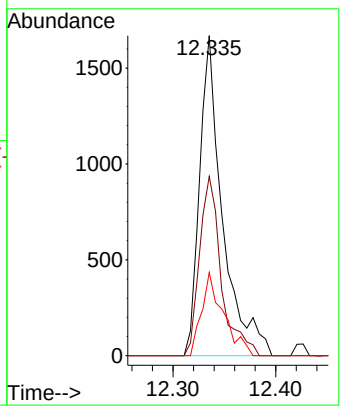




#89
n-Butylbenzene
Concen: 0.735 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion: 91 Resp: 258

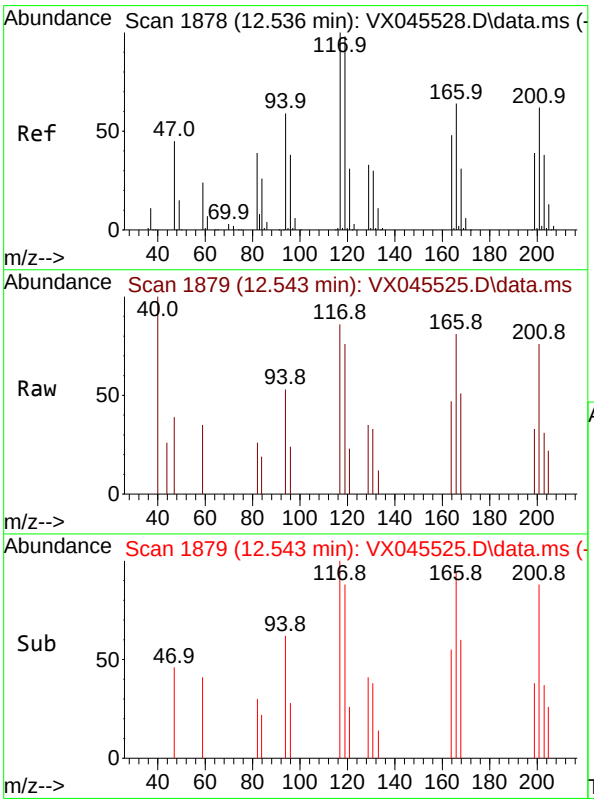
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.9	80.6
134	24.8	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

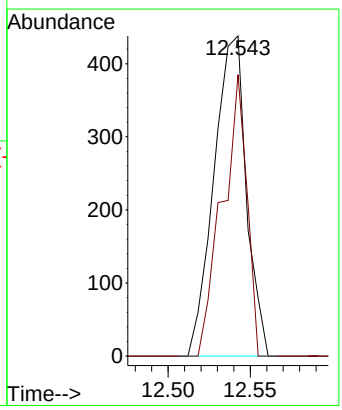
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

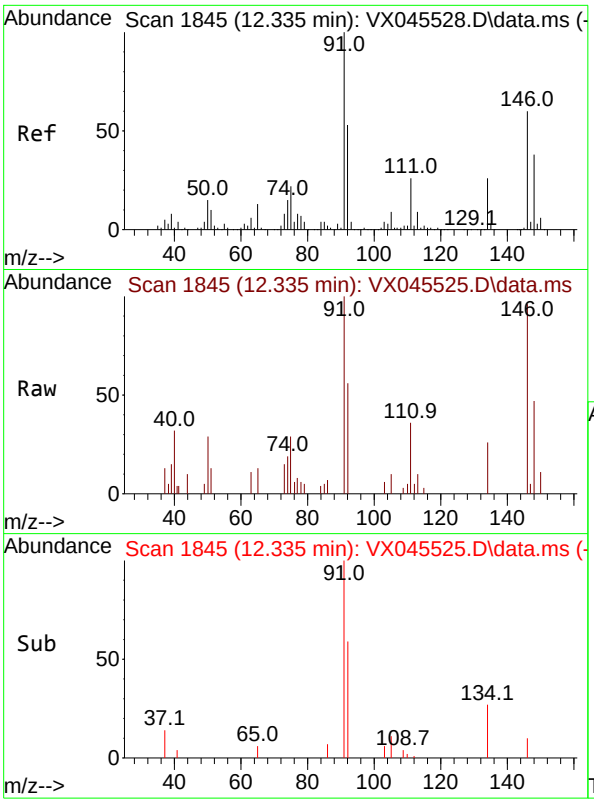


#90
Hexachloroethane
Concen: 0.863 ug/l
RT: 12.543 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:117 Resp: 602

Ion	Ratio	Lower	Upper
117	100		
201	66.3	31.2	93.6

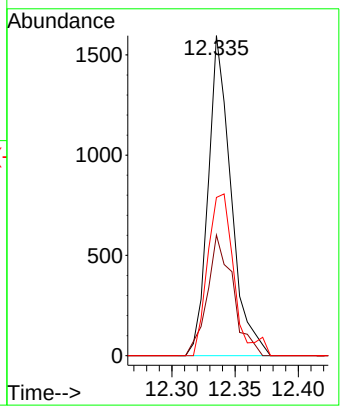




#91
1,2-Dichlorobenzene
Concen: 0.981 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:146 Resp: 200

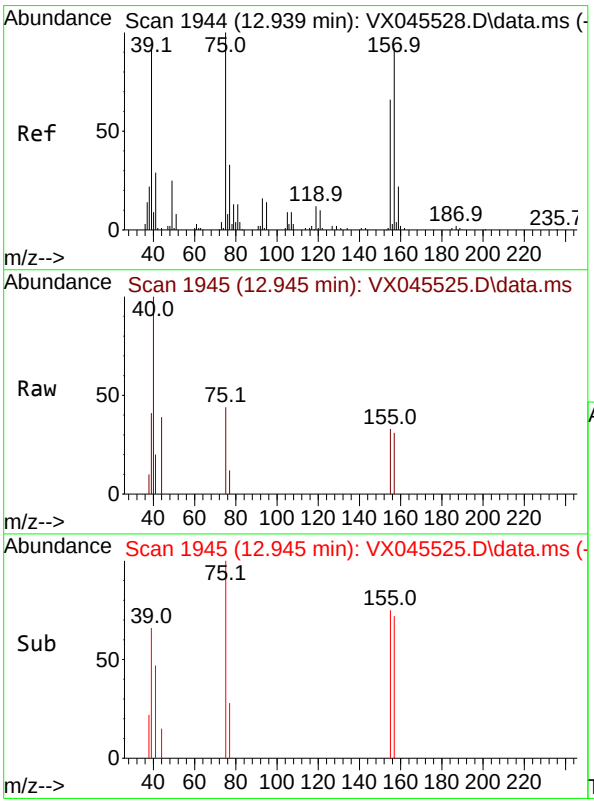
Ion	Ratio	Lower	Upper
146	100		
111	42.0	22.9	68.8
148	58.2	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

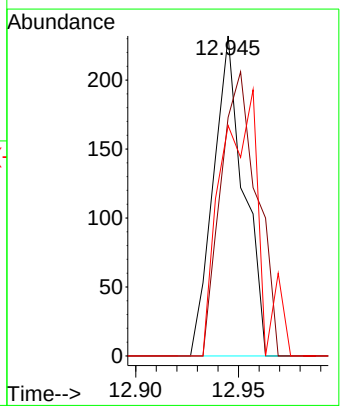
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

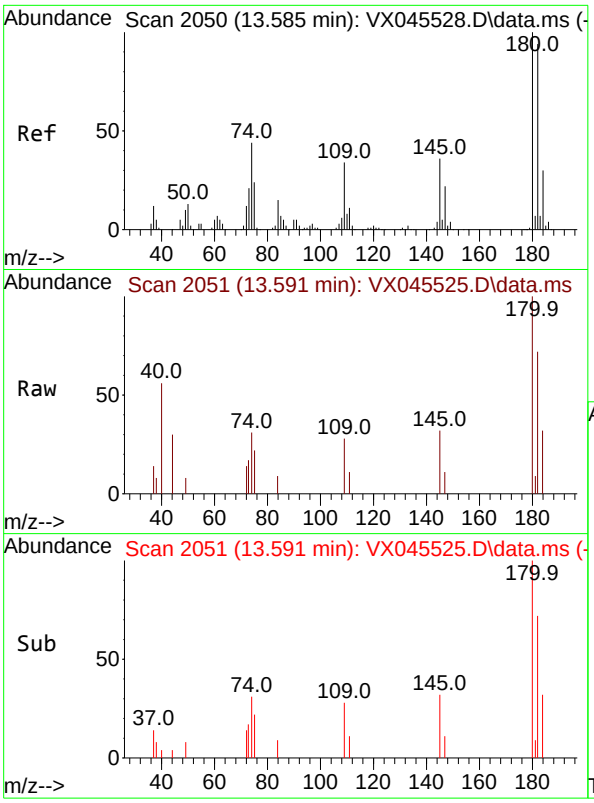


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.665 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

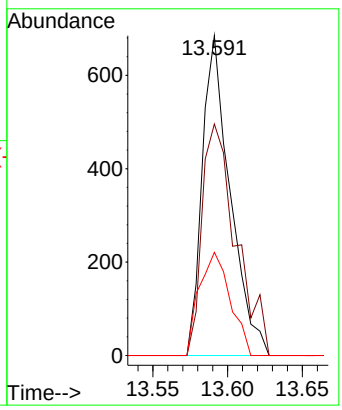




#93
1,2,4-Trichlorobenzene
Concen: 0.779 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:180 Resp: 88

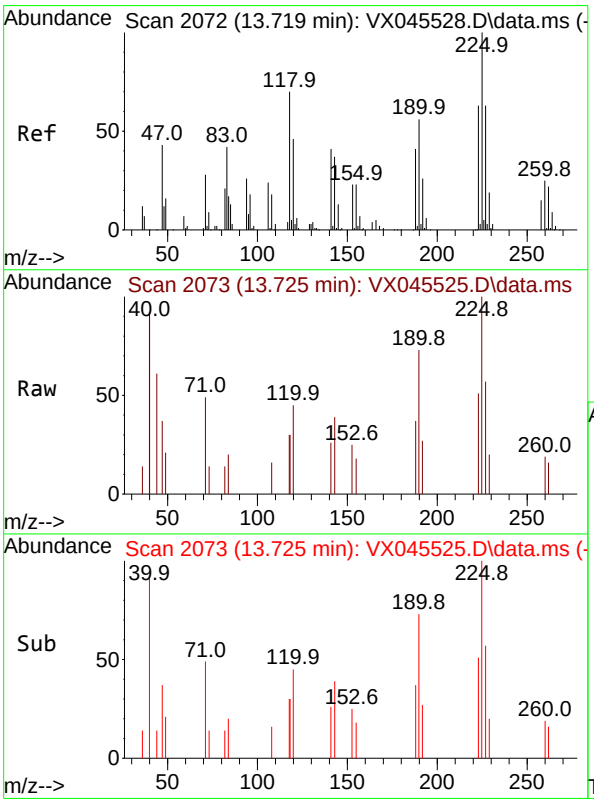
Ion	Ratio	Lower	Upper
180	100		
182	87.6	47.9	143.6
145	35.8	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

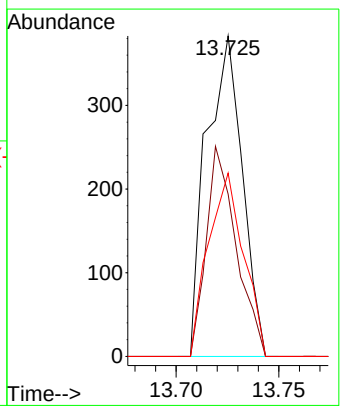
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

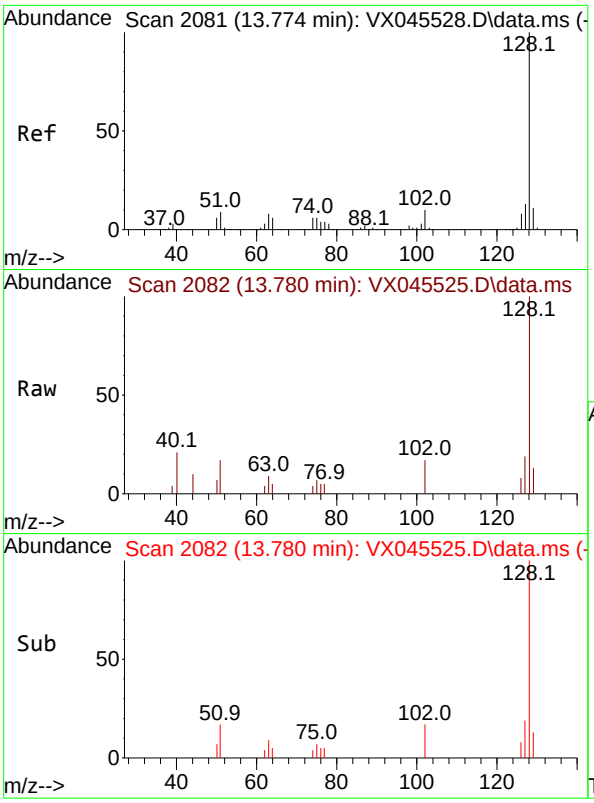


#94
Hexachlorobutadiene
Concen: 0.943 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

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

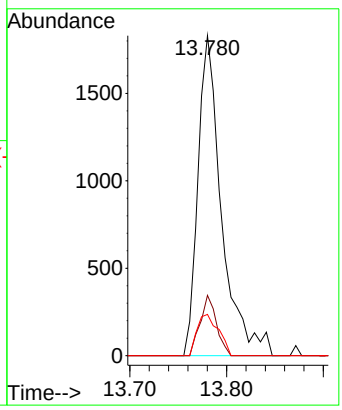




#95
Naphthalene
Concen: 0.733 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045525.D
Acq: 01 Apr 2025 17:06

Tgt Ion:128 Resp: 310

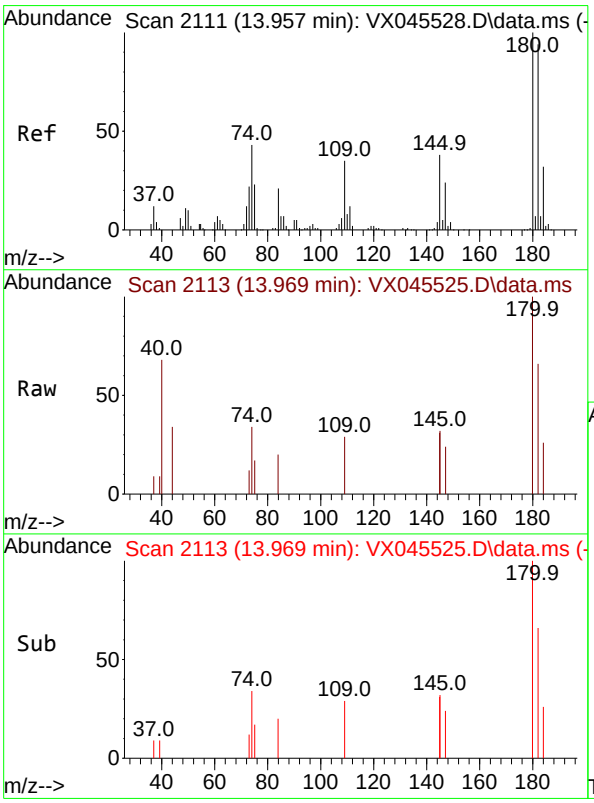
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

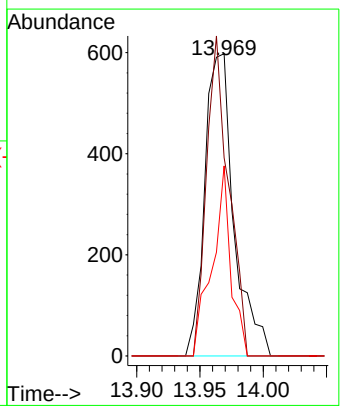
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#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

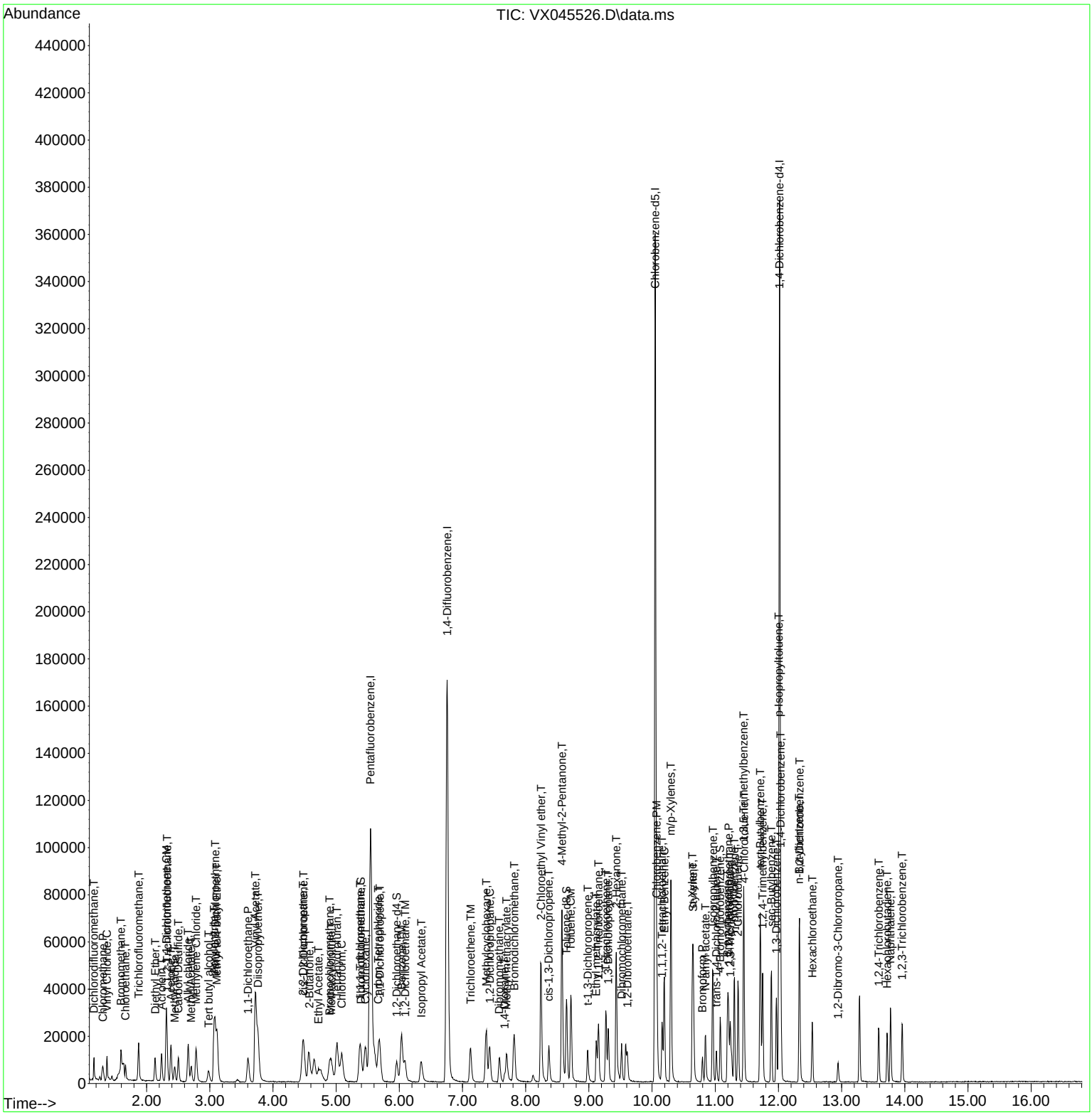
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

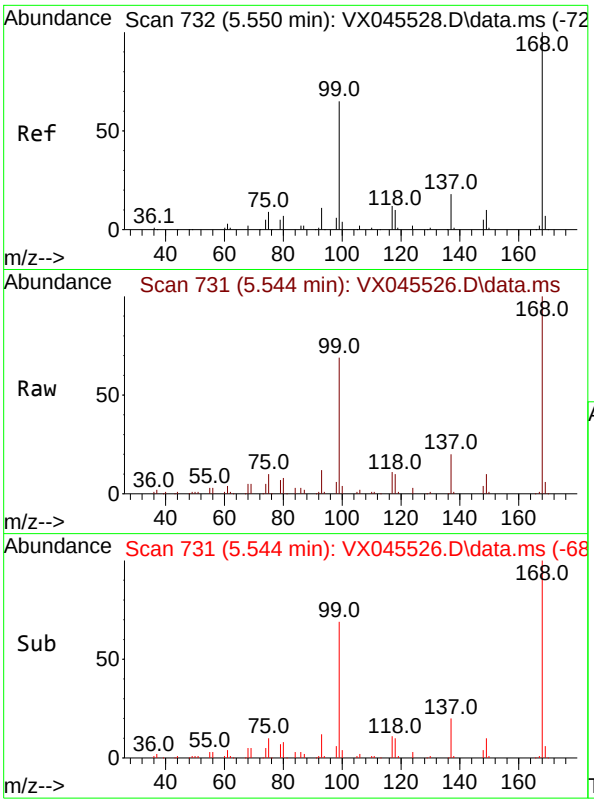
Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

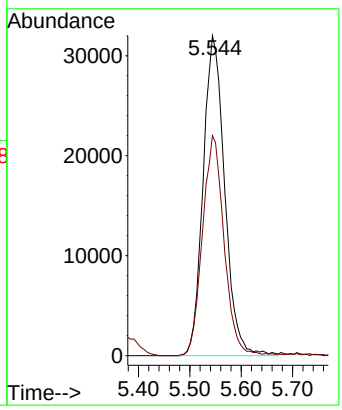




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:168 Resp: 9323

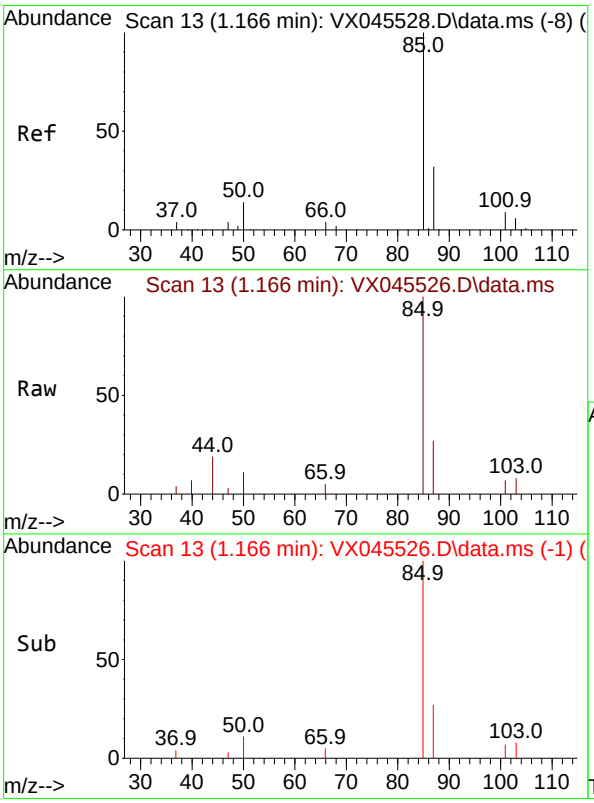
Ion	Ratio	Lower	Upper
168	100		
99	68.8	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

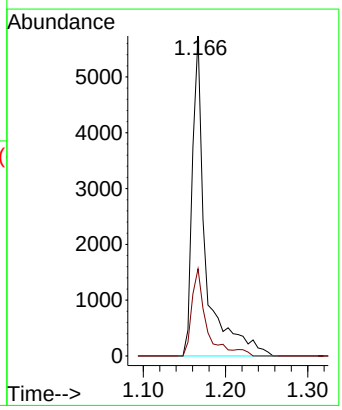
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

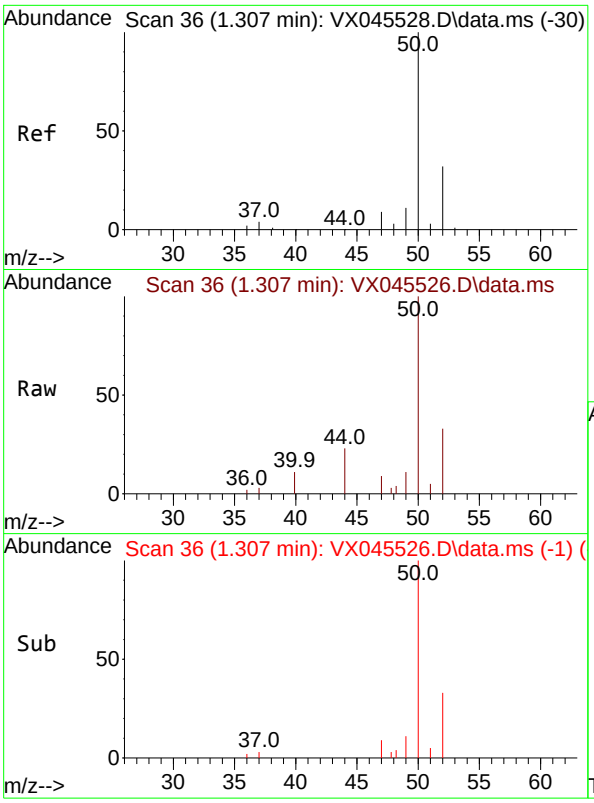


#2
Dichlorodifluoromethane
Concen: 4.649 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 85 Resp: 6482

Ion	Ratio	Lower	Upper
85	100		
87	27.3	16.1	48.2

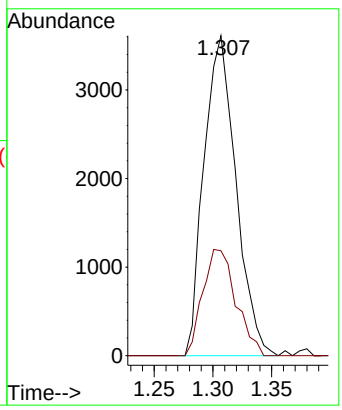




#3
Chloromethane
Concen: 4.779 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 50 Resp: 684

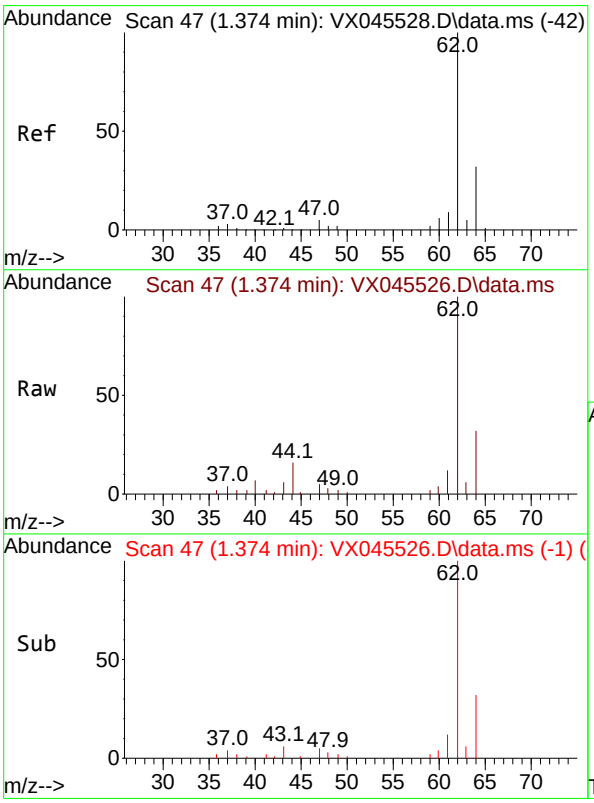
Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

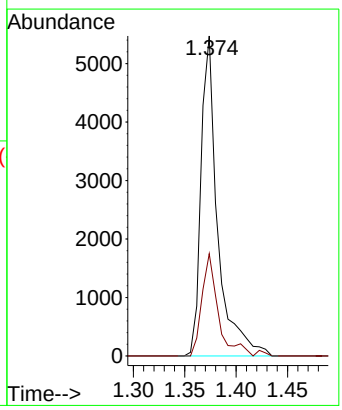
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

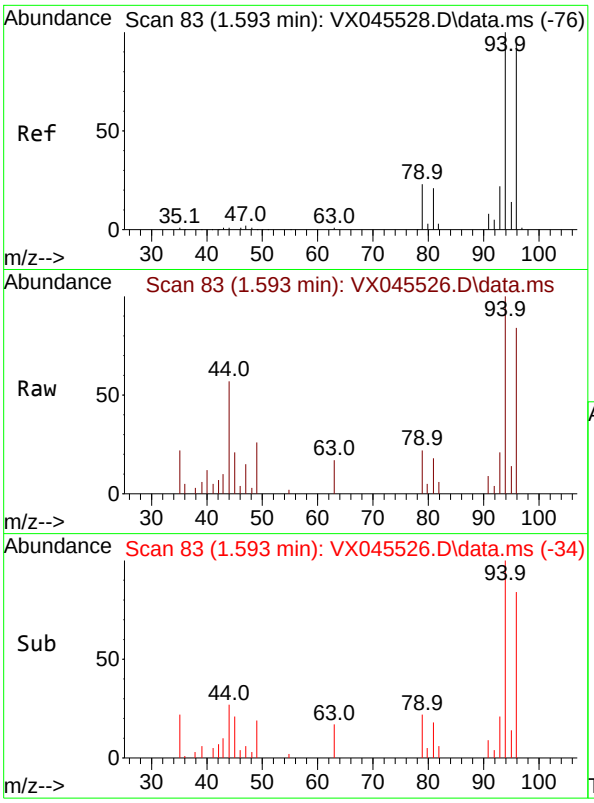


#4
Vinyl Chloride
Concen: 4.706 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 62 Resp: 6169

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3

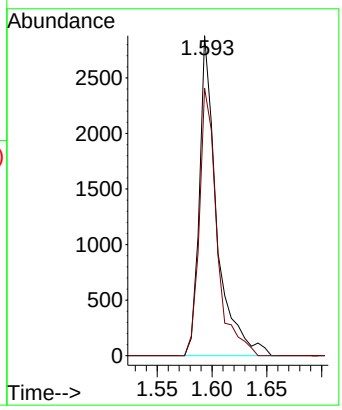




#5
Bromomethane
Concen: 5.124 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 94 Resp: 318

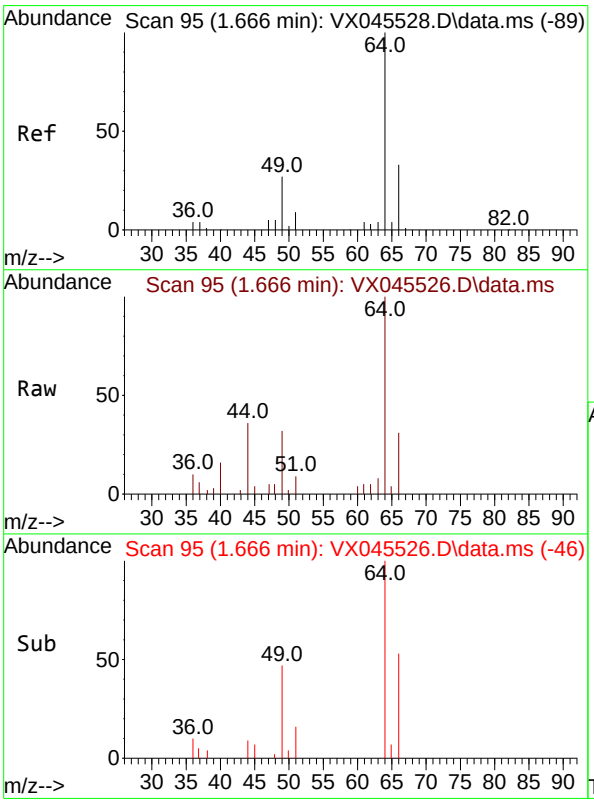
Ion	Ratio	Lower	Upper
94	100		
96	83.6	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

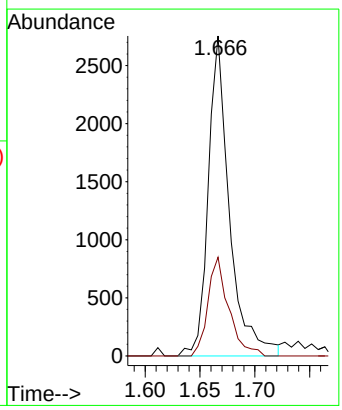
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

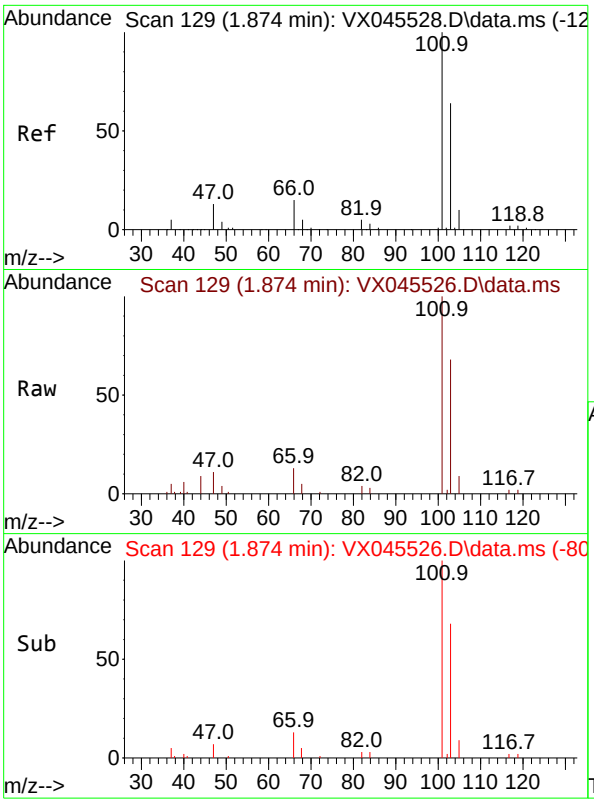


#6
Chloroethane
Concen: 5.324 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 64 Resp: 3703

Ion	Ratio	Lower	Upper
64	100		
66	30.9	26.3	39.5

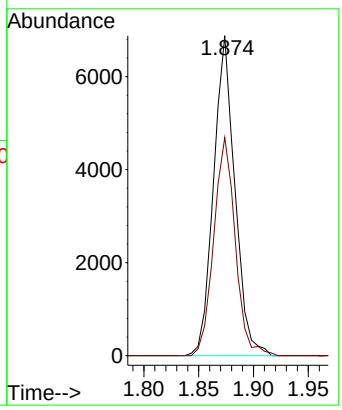




#7
Trichlorofluoromethane
Concen: 4.766 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:101 Resp: 931

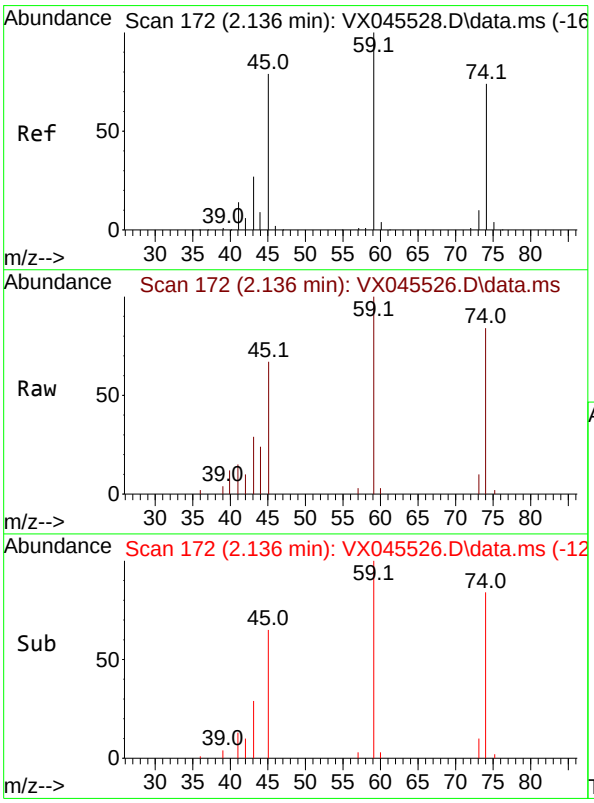
Ion	Ratio	Lower	Upper
101	100		
103	68.2	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

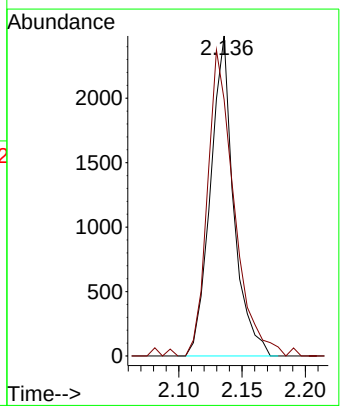
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

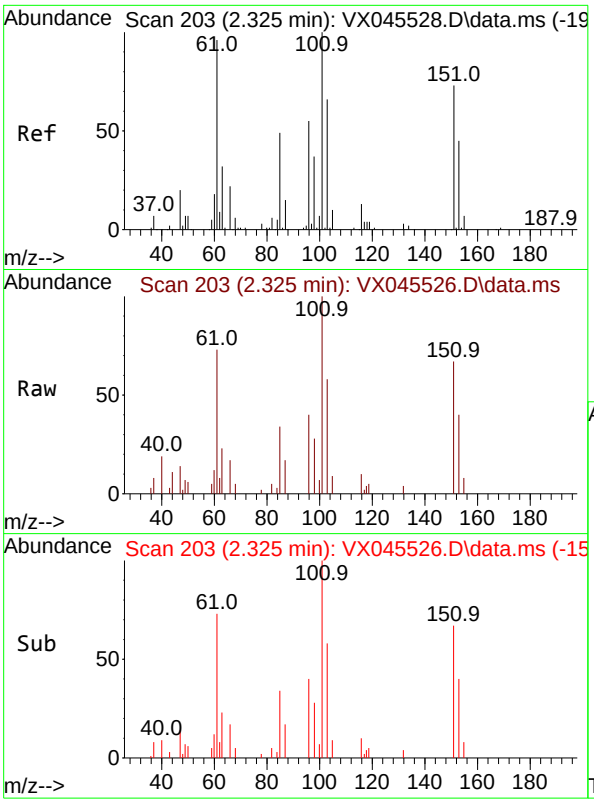


#8
Diethyl Ether
Concen: 4.832 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 74 Resp: 3171

Ion	Ratio	Lower	Upper
74	100		
45	110.2	53.0	159.1

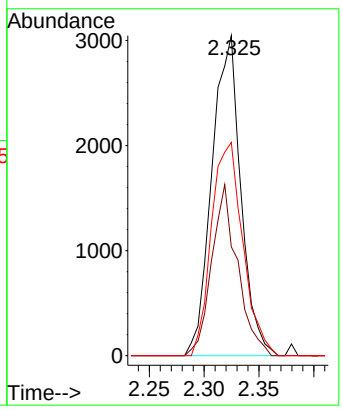




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.879 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:101 Resp: 558

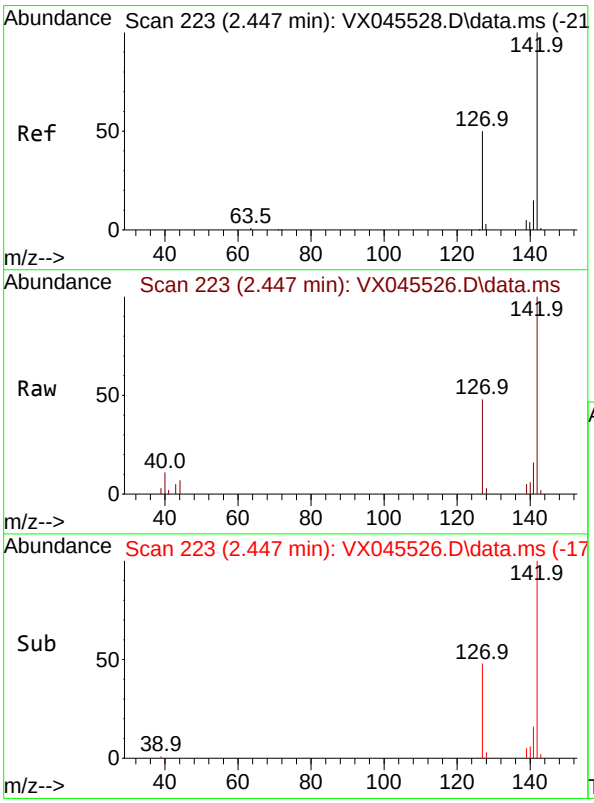
Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.9	58.3
151	72.4	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

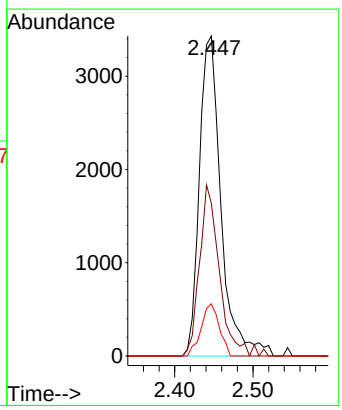
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

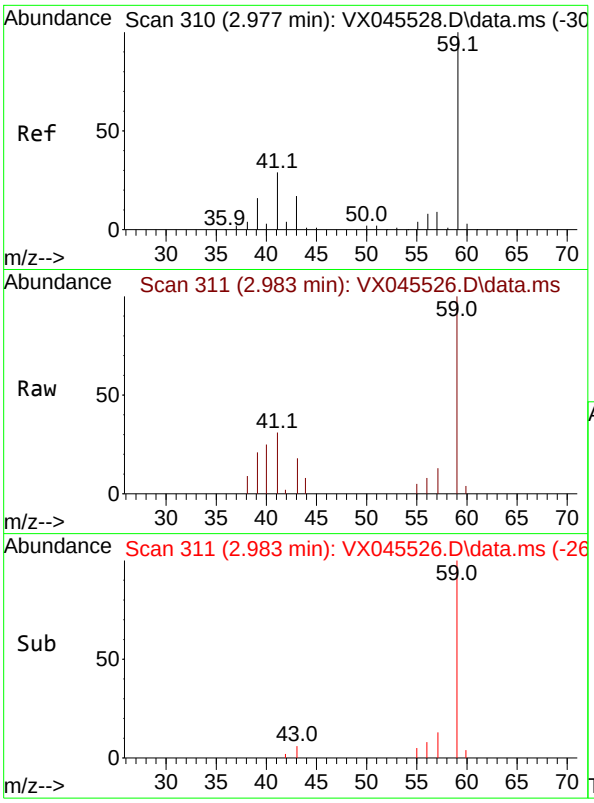


#10
Methyl Iodide
Concen: 4.601 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

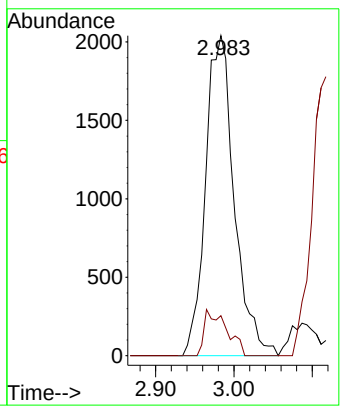




#11
Tert butyl alcohol
Concen: 22.633 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 59 Resp: 518

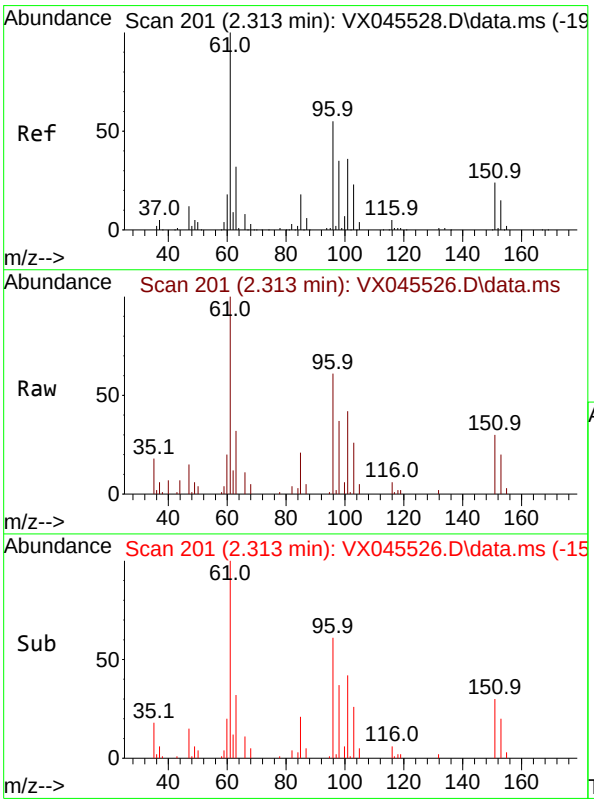
Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

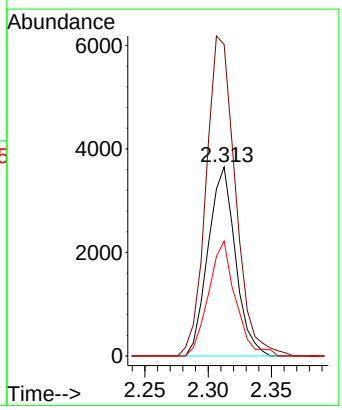
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

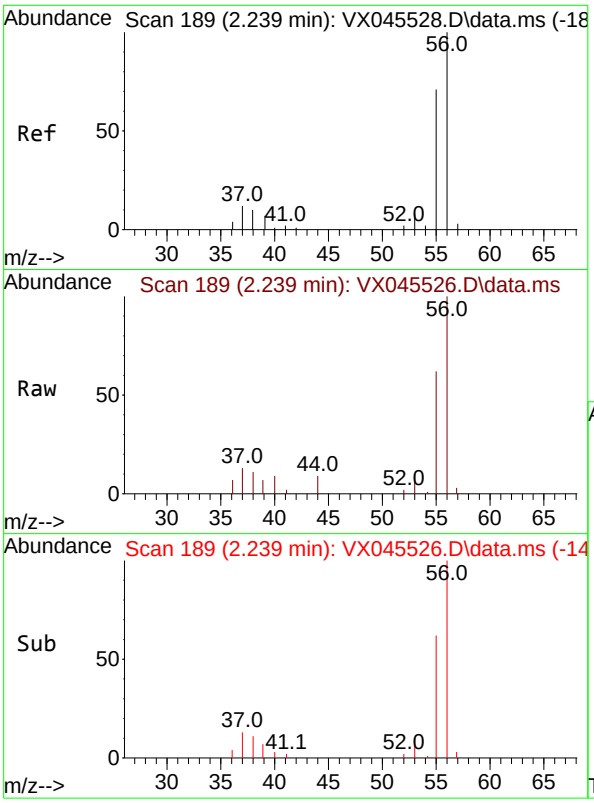


#12
1,1-Dichloroethene
Concen: 4.901 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

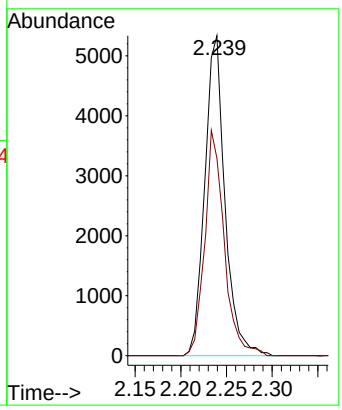




#13
Acrolein
Concen: 25.993 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 56 Resp: 820

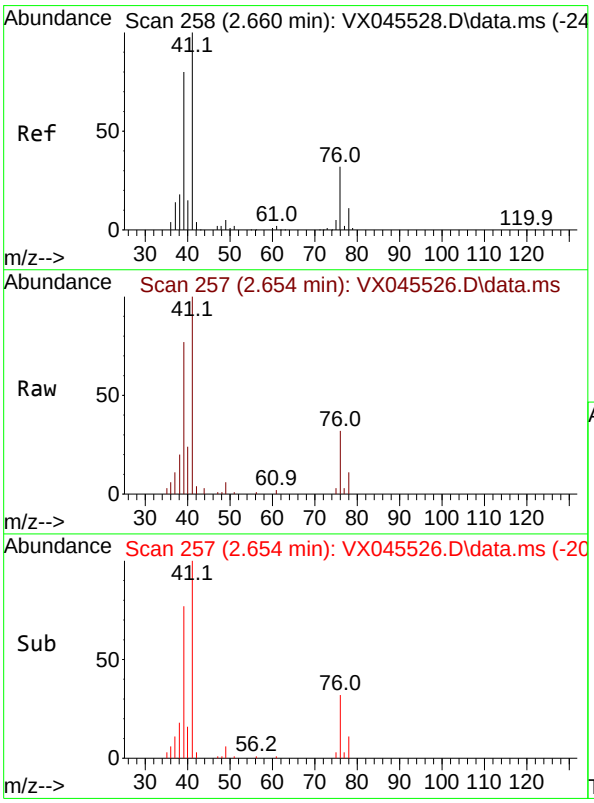
Ion	Ratio	Lower	Upper
56	100		
55	67.9	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

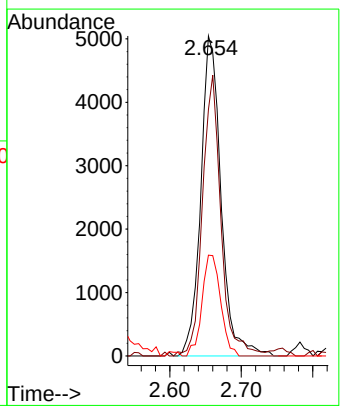
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

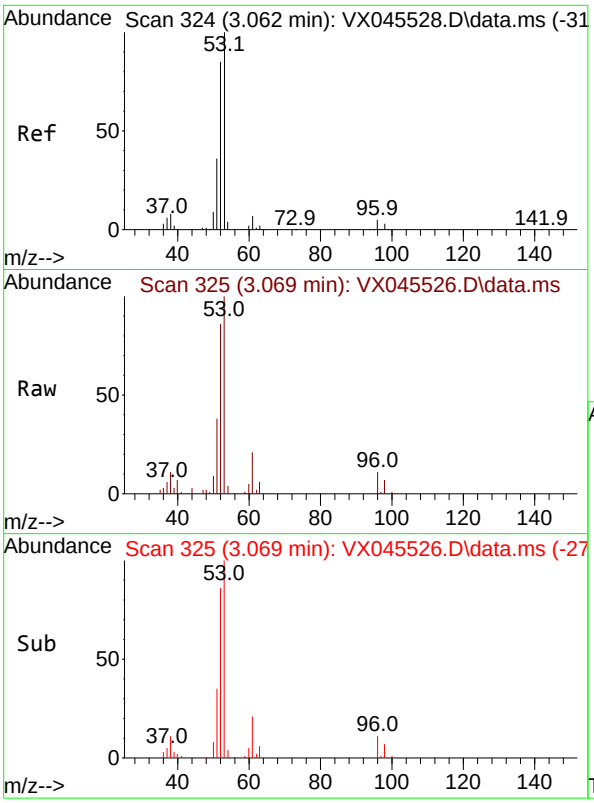


#14
Allyl chloride
Concen: 4.690 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

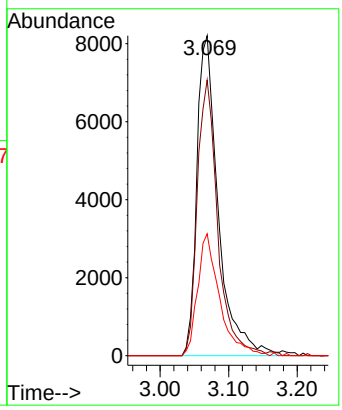




#15
Acrylonitrile
Concen: 24.624 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 53 Resp: 1781

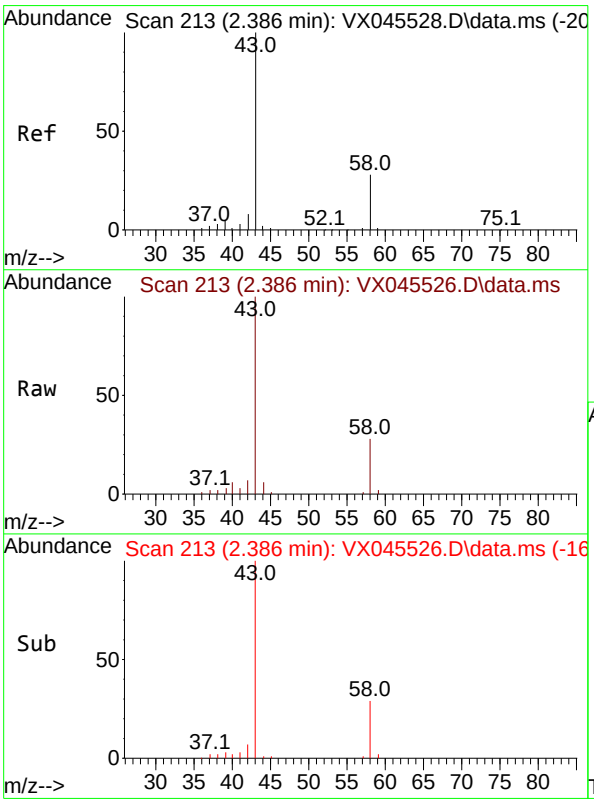
Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.4	101.2
51	39.3	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

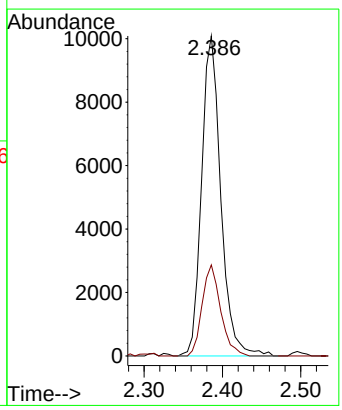
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

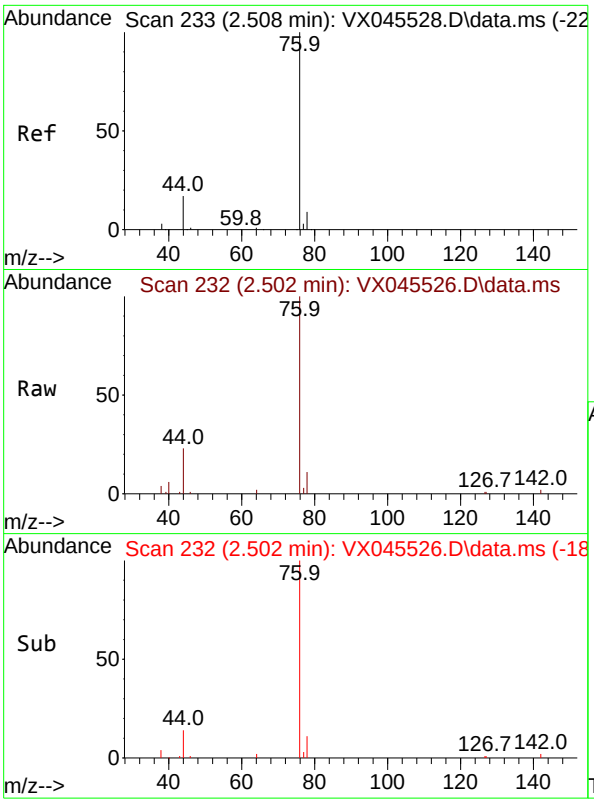


#16
Acetone
Concen: 24.550 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

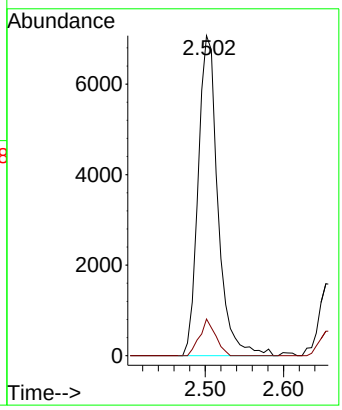
Tgt Ion: 76 Resp: 1237

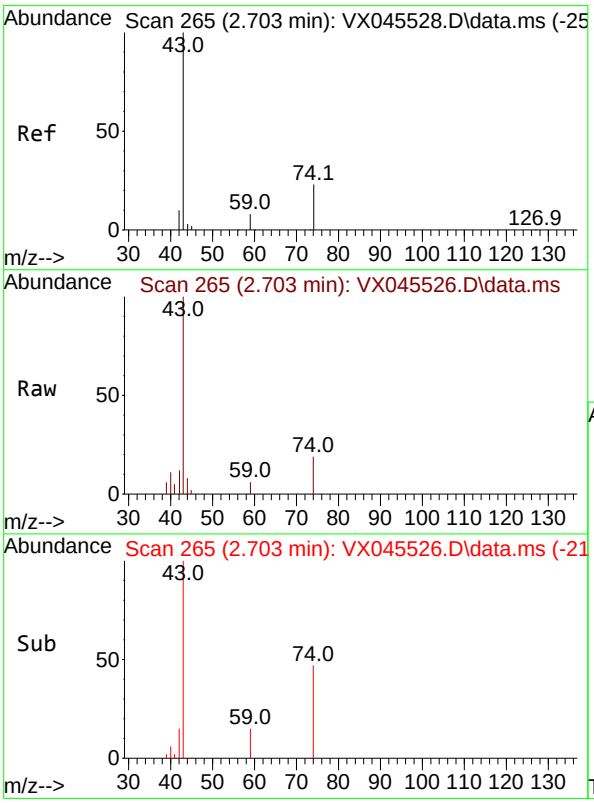
Ion	Ratio	Lower	Upper
76	100		
78	11.4	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

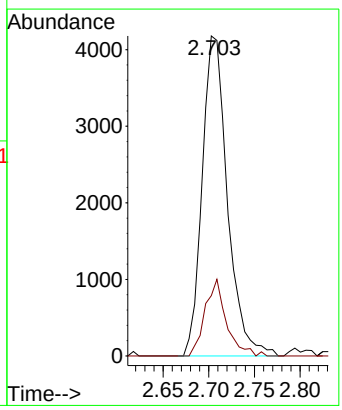


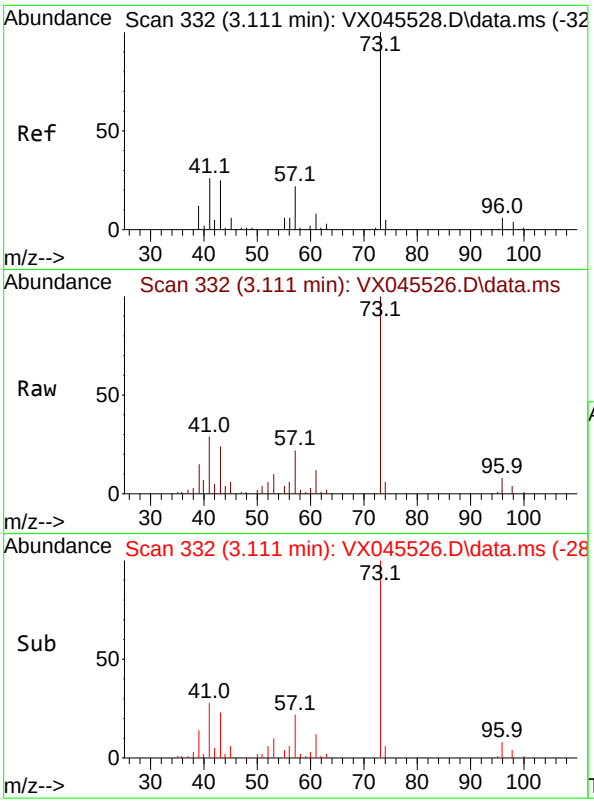


#18
Methyl Acetate
Concen: 4.989 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 8042

Ion	Ratio	Lower	Upper
43	100		
74	20.2	17.5	26.3

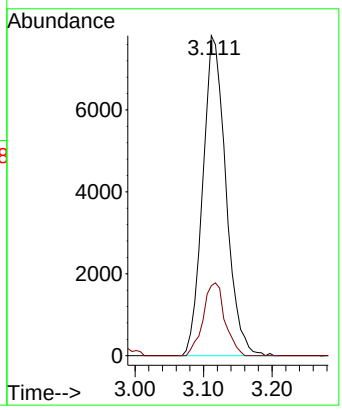




#19
Methyl tert-butyl Ether
Concen: 4.677 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 73 Resp: 1831

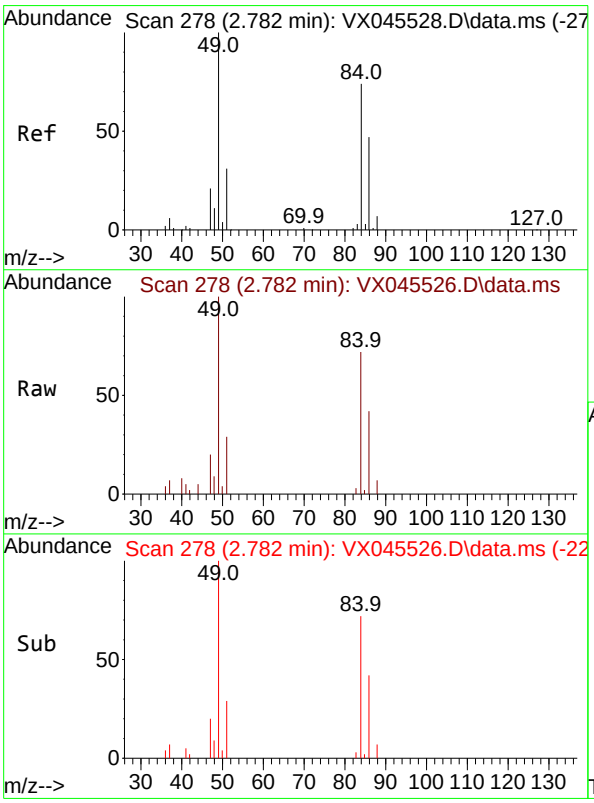
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

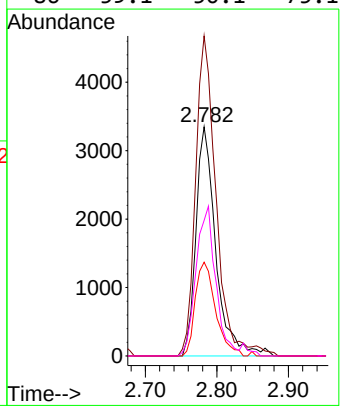
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

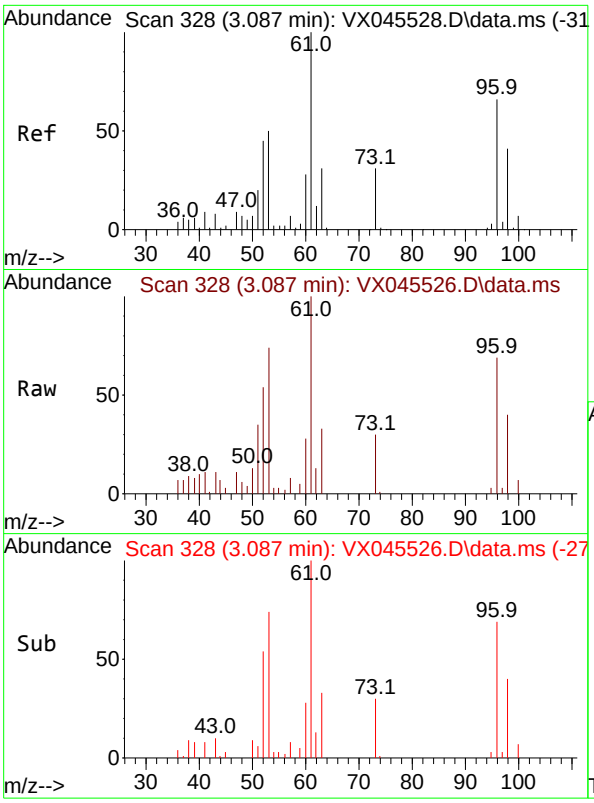


#20
Methylene Chloride
Concen: 4.945 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

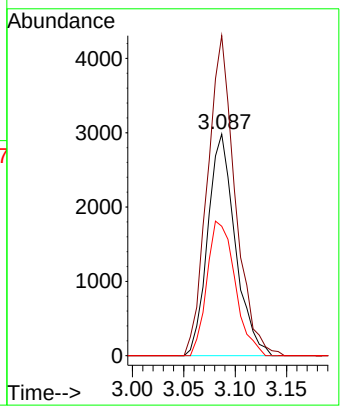




#21
trans-1,2-Dichloroethene
Concen: 4.840 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 96 Resp: 553

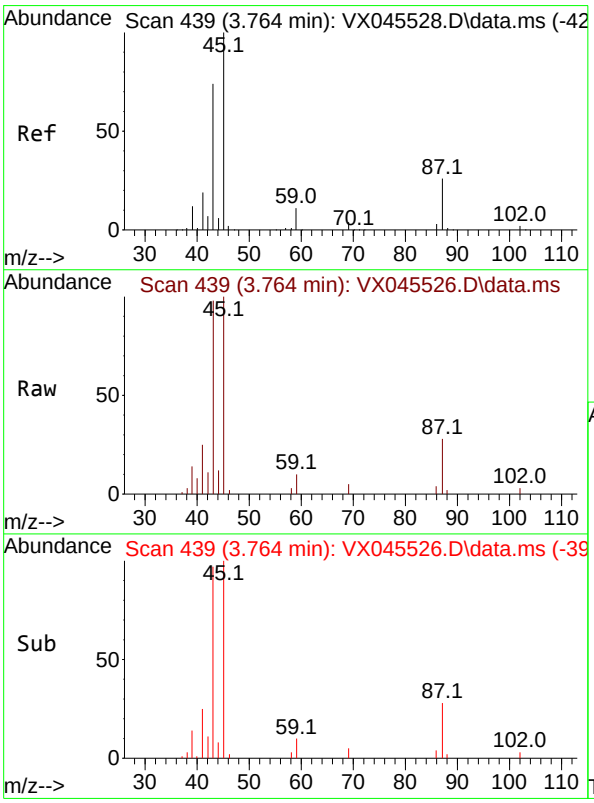
Ion	Ratio	Lower	Upper
96	100		
61	144.4	121.0	181.6
98	58.5	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

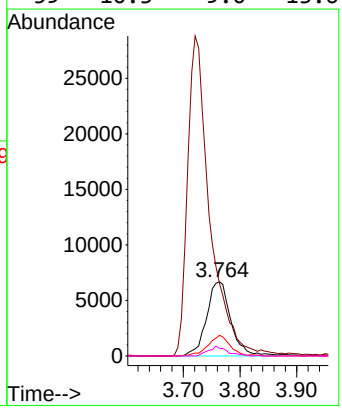
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

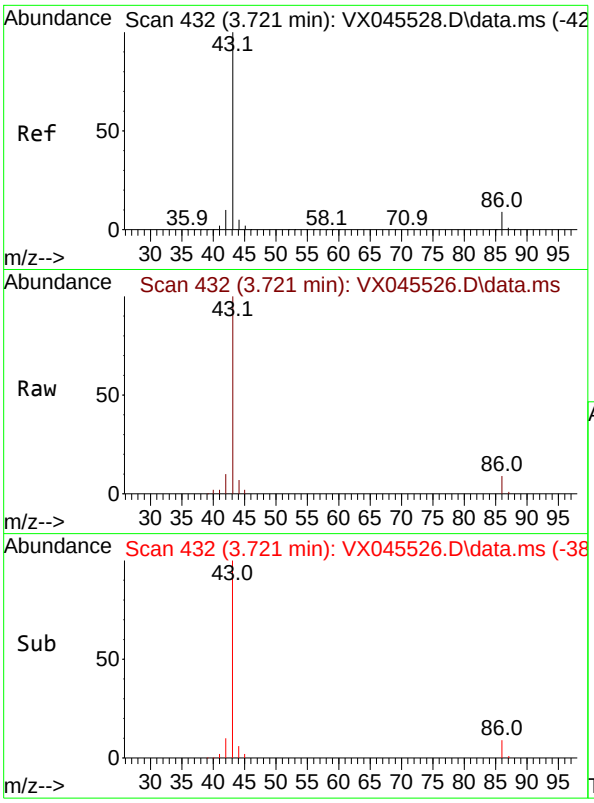


#22
Diisopropyl ether
Concen: 4.725 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

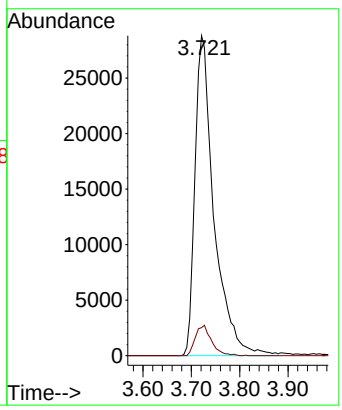
Tgt Ion: 43 Resp: 7890

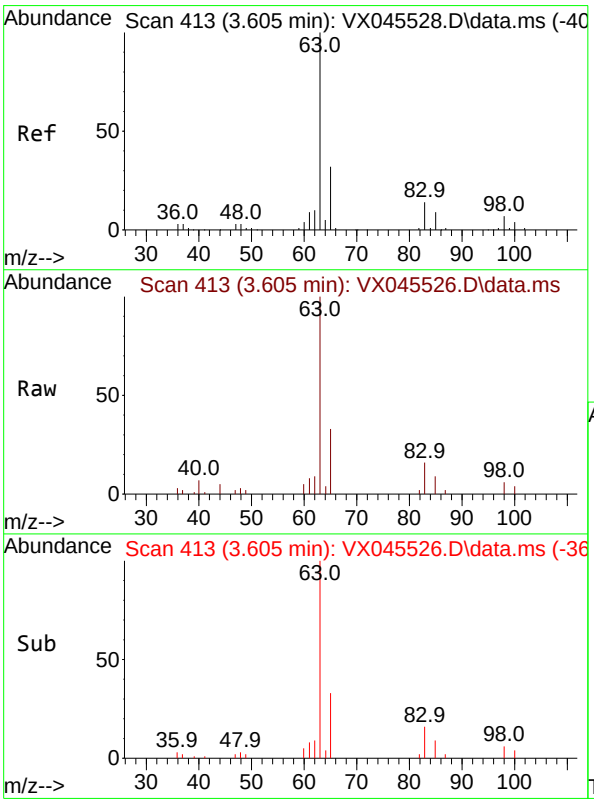
Ion	Ratio	Lower	Upper
43	100		
86	8.7	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

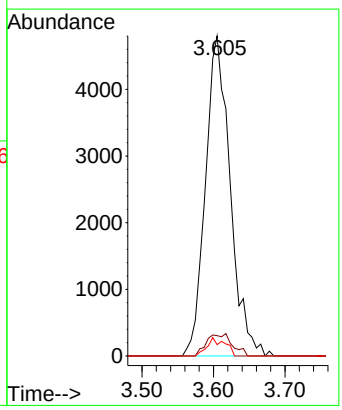


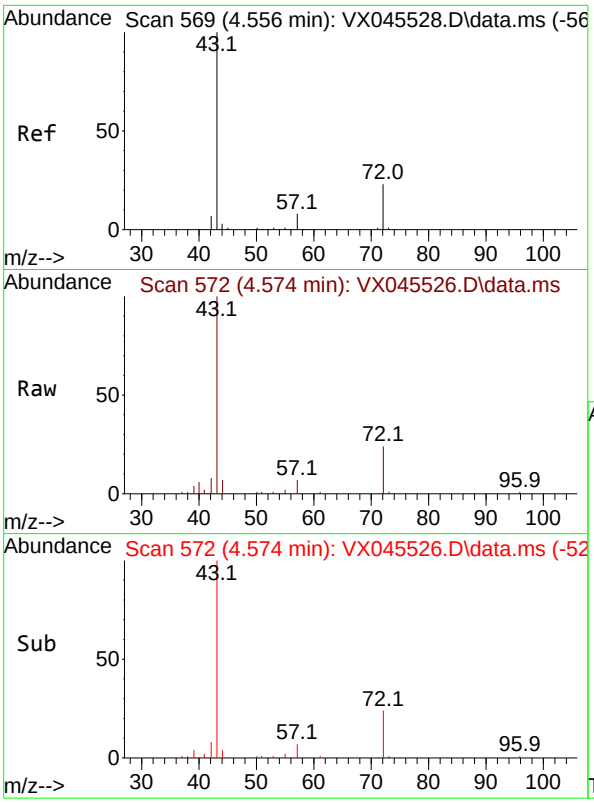


#24
1,1-Dichloroethane
Concen: 4.887 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

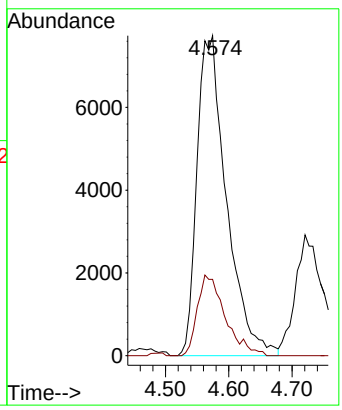




#25
2-Butanone
Concen: 24.419 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 2502

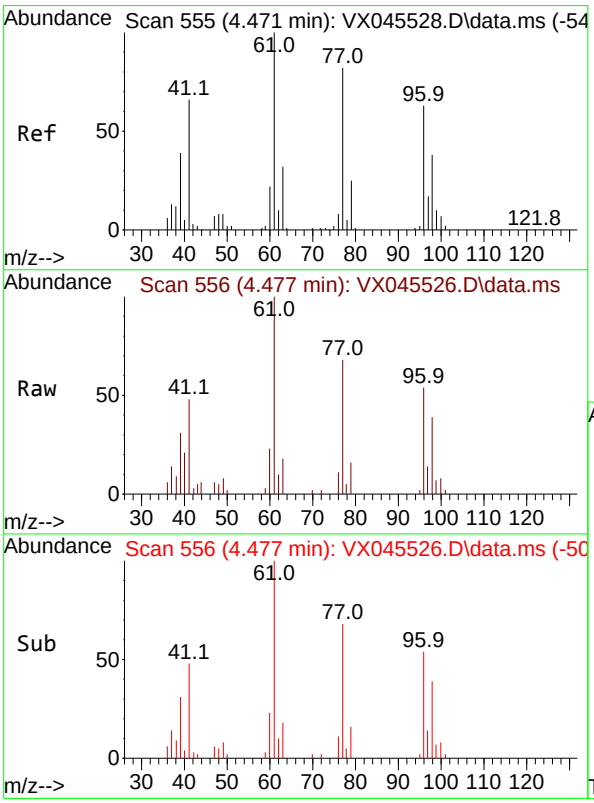
Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

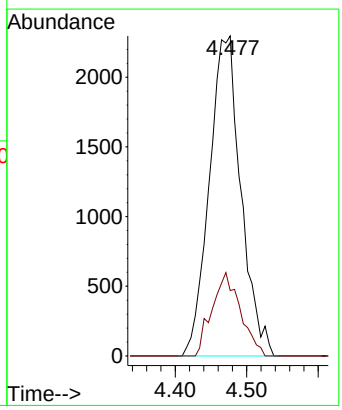
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

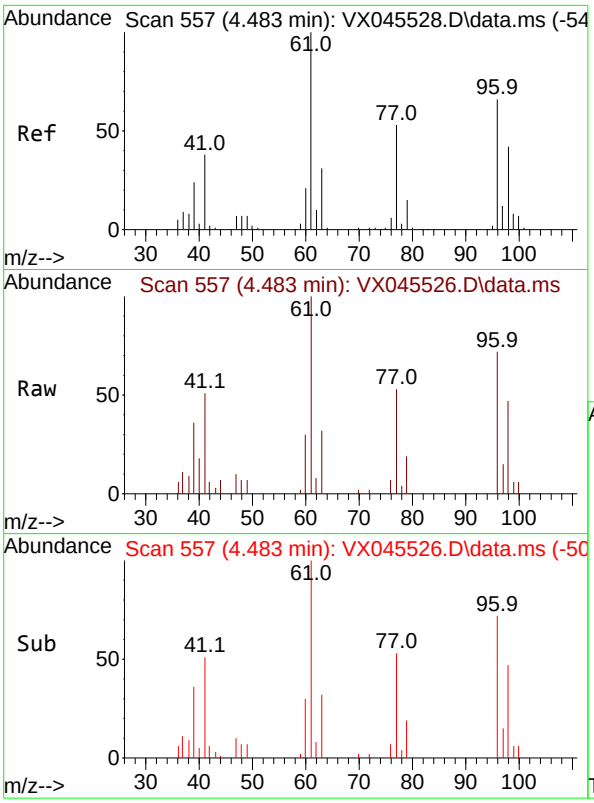


#26
2,2-Dichloropropane
Concen: 4.615 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 77 Resp: 7054

Ion	Ratio	Lower	Upper
77	100		
97	23.4	10.6	31.8

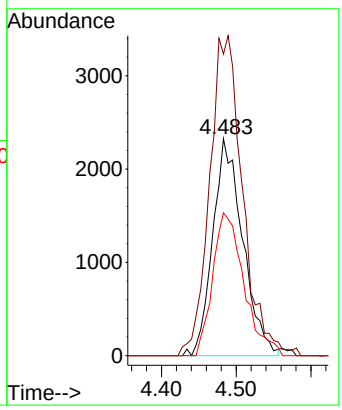




#27
cis-1,2-Dichloroethene
Concen: 4.655 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 96 Resp: 648

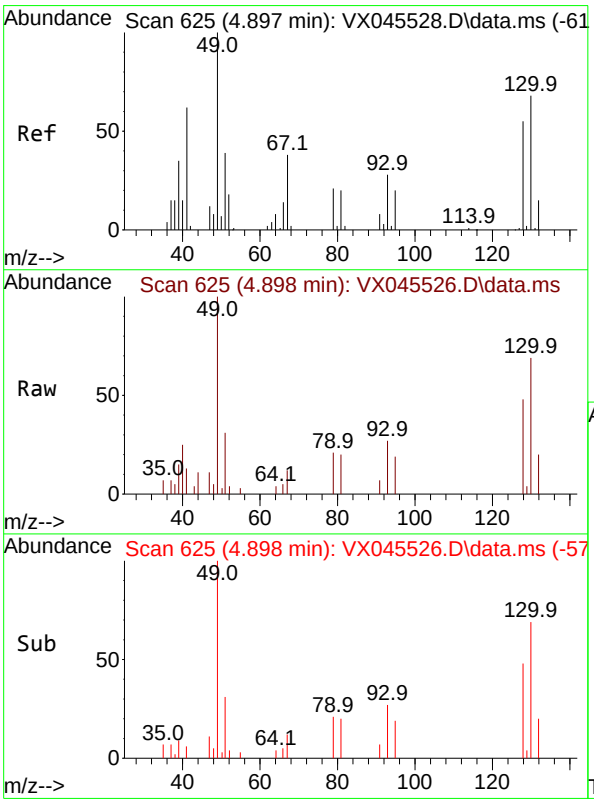
Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	313.2
98	68.5	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

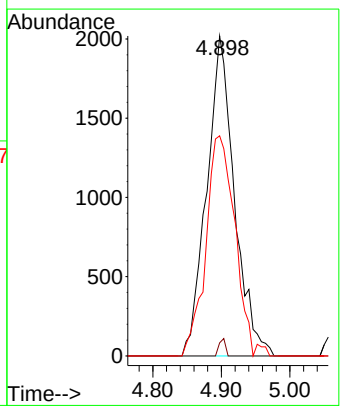
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

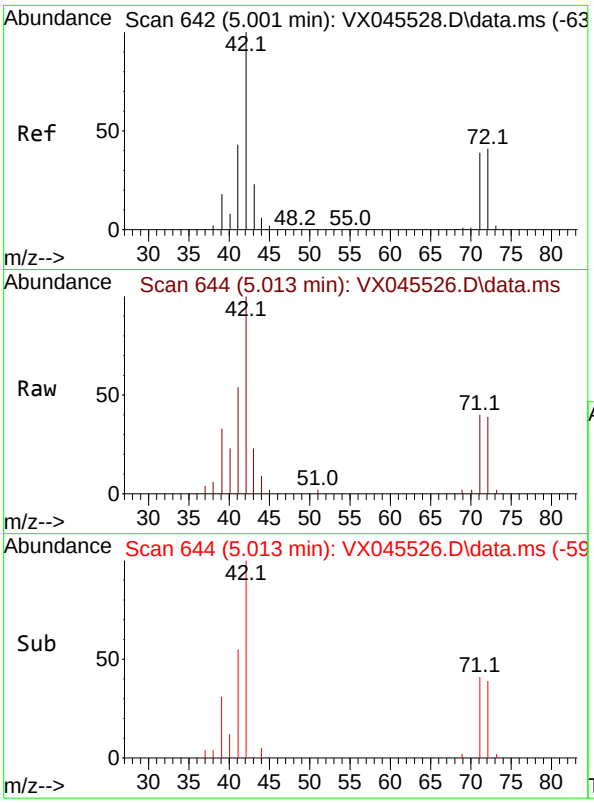


#28
Bromochloromethane
Concen: 4.956 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

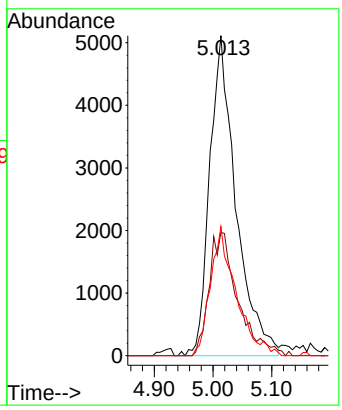
Tgt Ion: 42 Resp: 1591

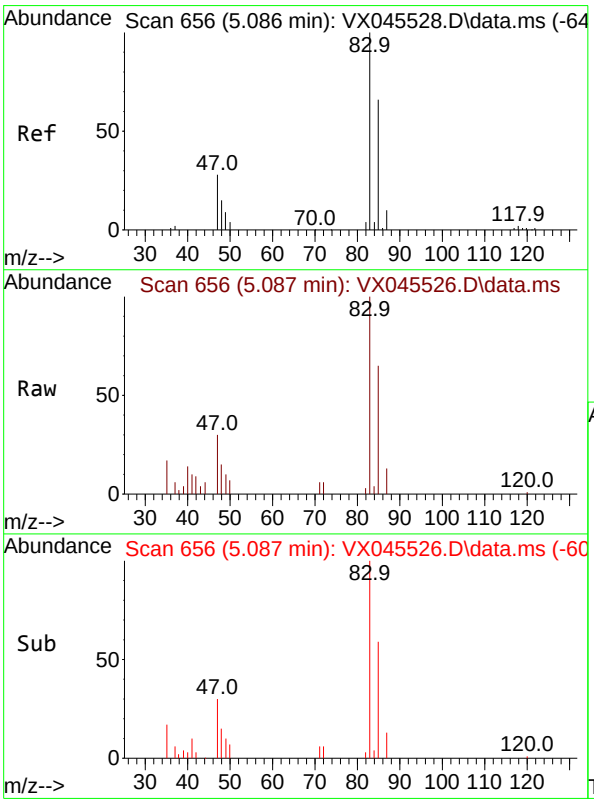
Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.4	50.0
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

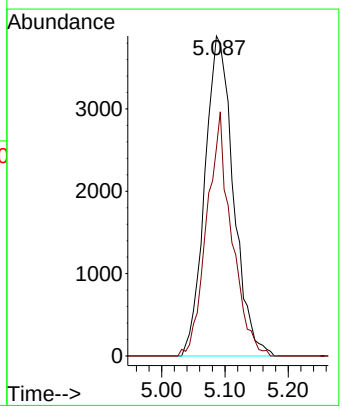


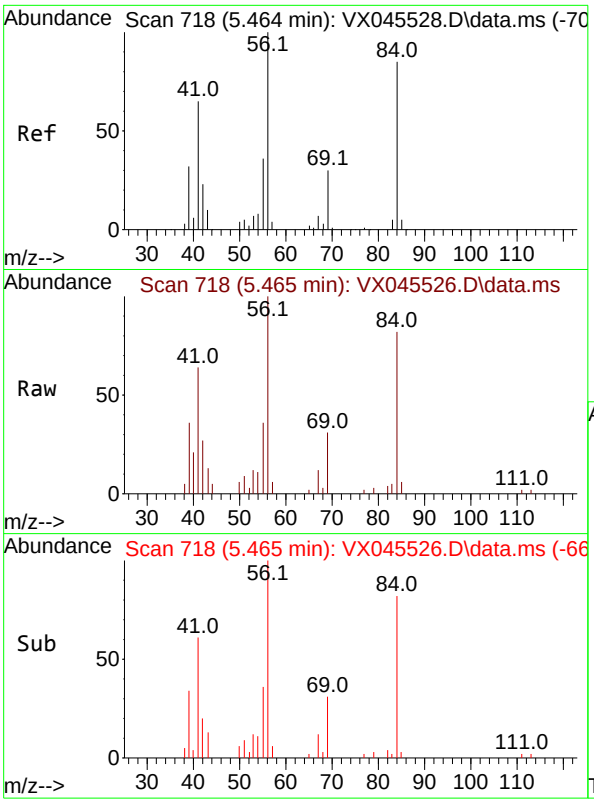


#30
Chloroform
Concen: 5.012 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

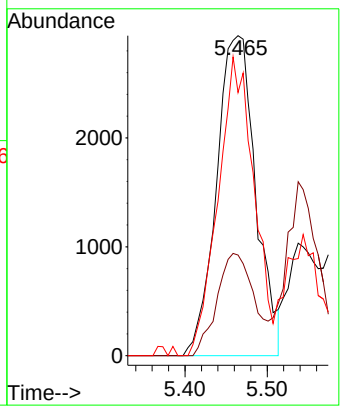
Tgt Ion: 56 Resp: 973

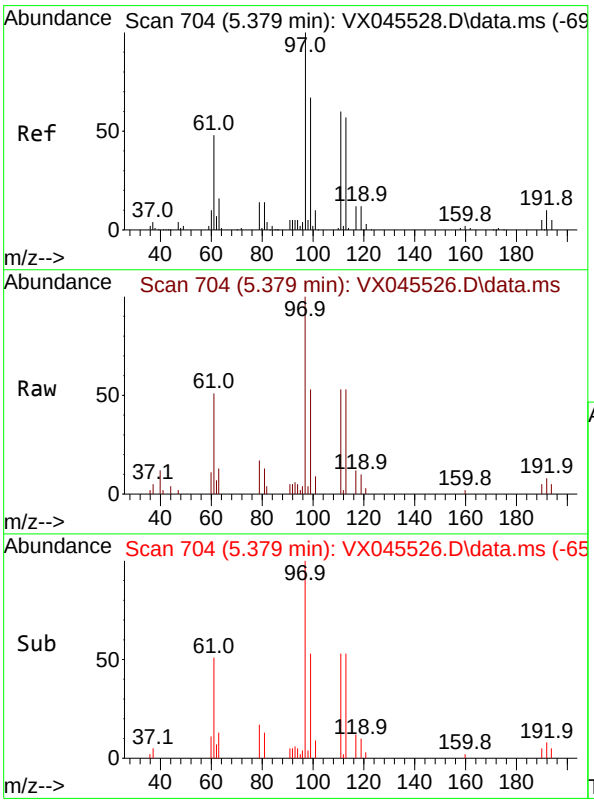
Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.6	35.4
84	82.2	67.7	101.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

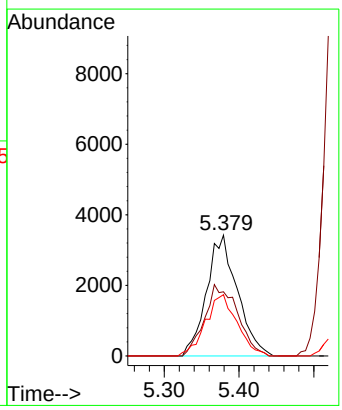


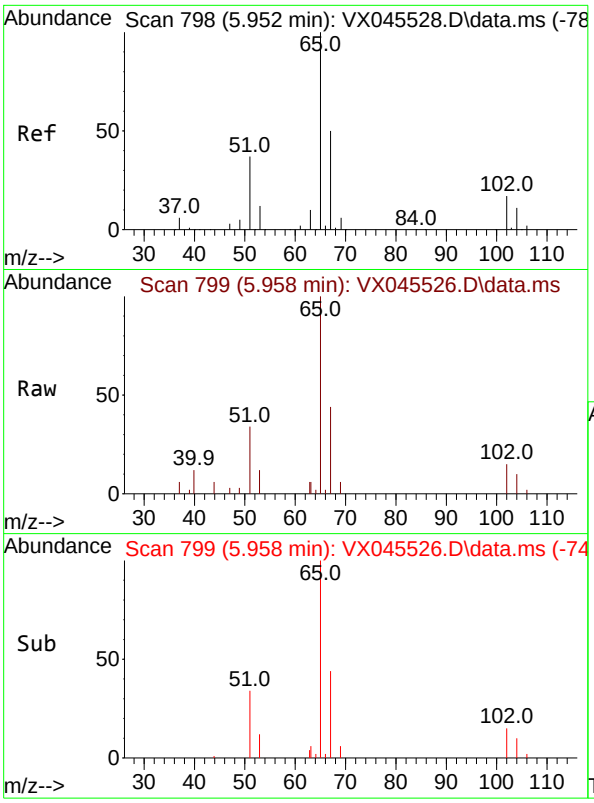


#32
1,1,1-Trichloroethane
Concen: 4.763 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

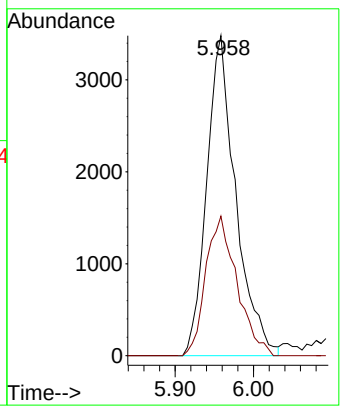




#33
1,2-Dichloroethane-d4
Concen: 5.260 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 65 Resp: 896

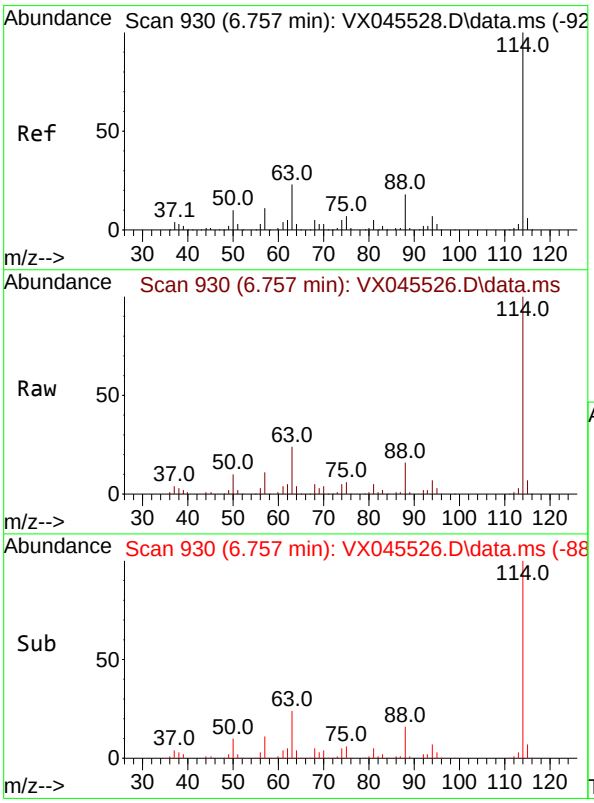
Ion	Ratio	Lower	Upper
65	100		
67	46.7	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

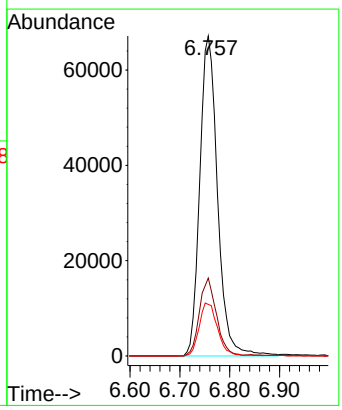
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

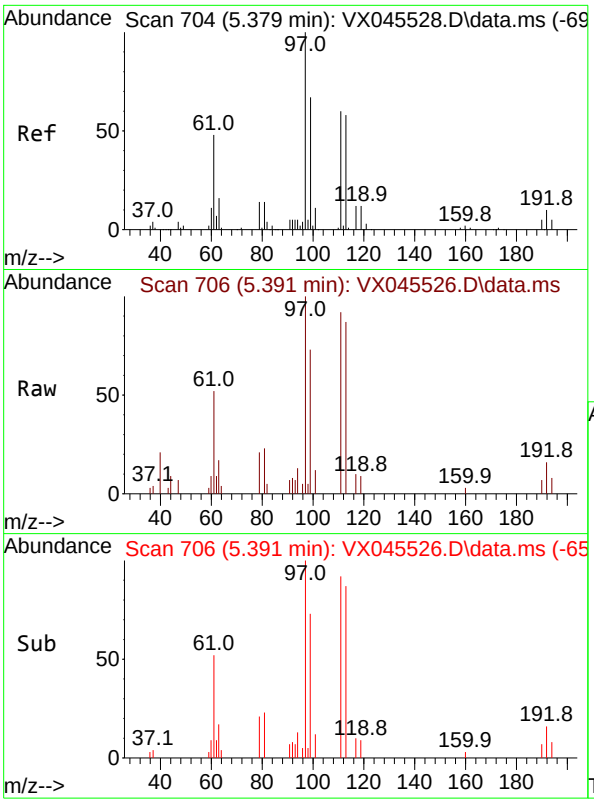


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

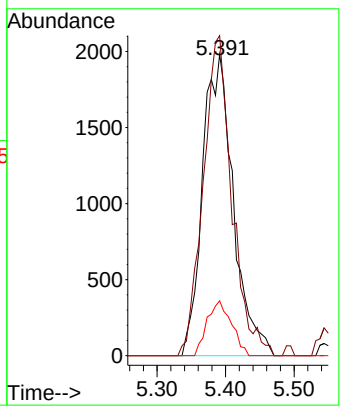




#35
Dibromofluoromethane
Concen: 5.244 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:113 Resp: 618

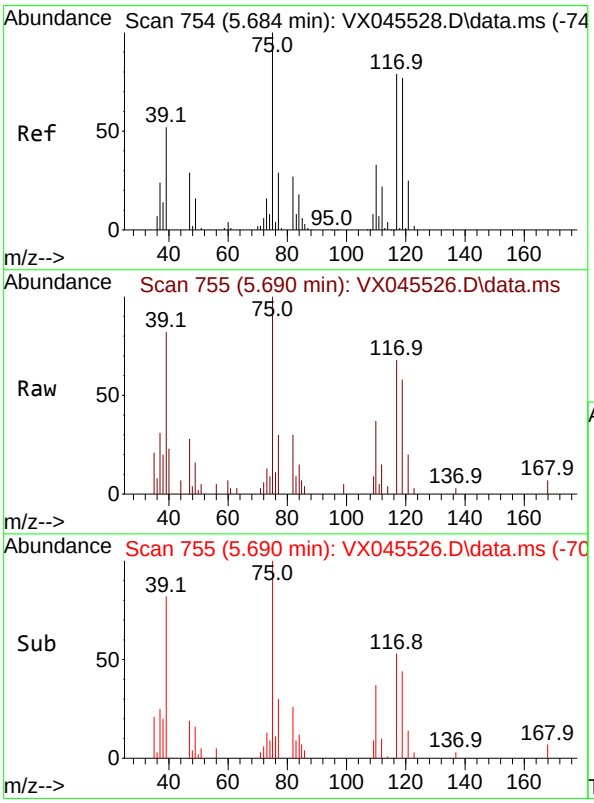
Ion	Ratio	Lower	Upper
113	100		
111	98.8	81.8	122.6
192	14.4	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

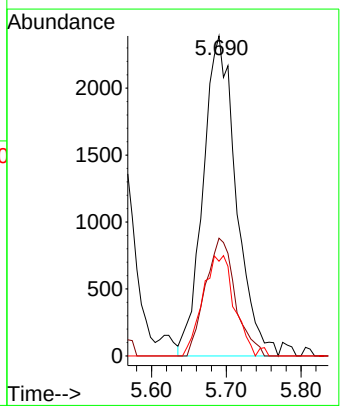
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

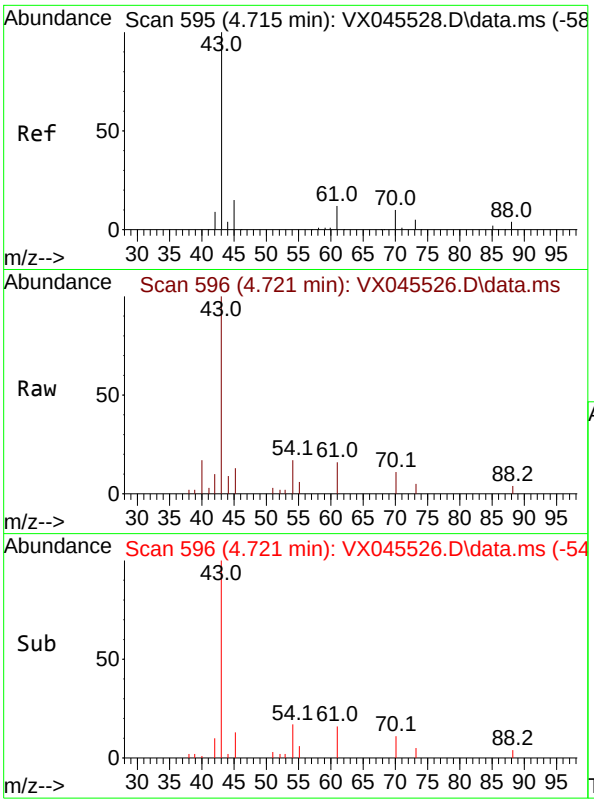


#36
1,1-Dichloropropene
Concen: 4.621 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

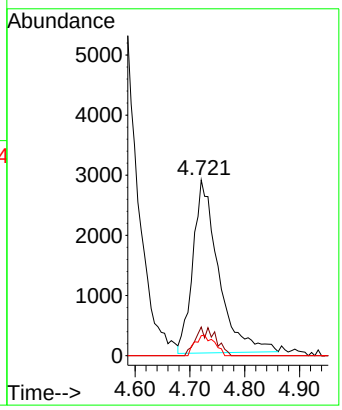
Tgt Ion: 43 Resp: 938

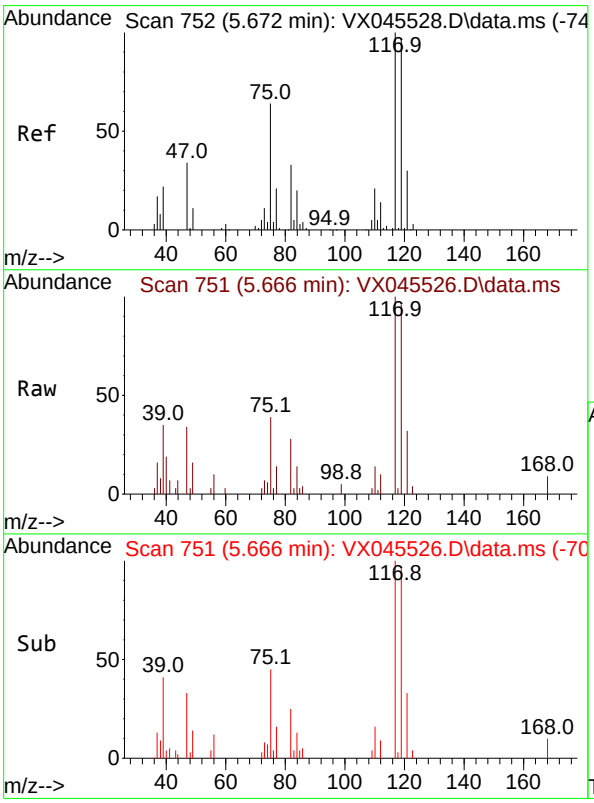
Ion	Ratio	Lower	Upper
43	100		
61	6.3	9.9	14.9#
70	8.9	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

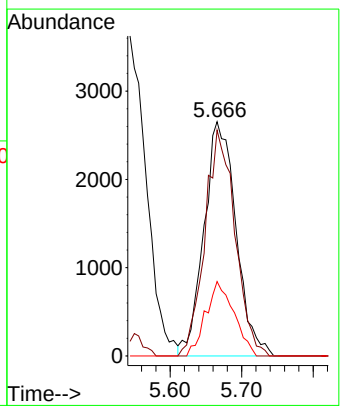


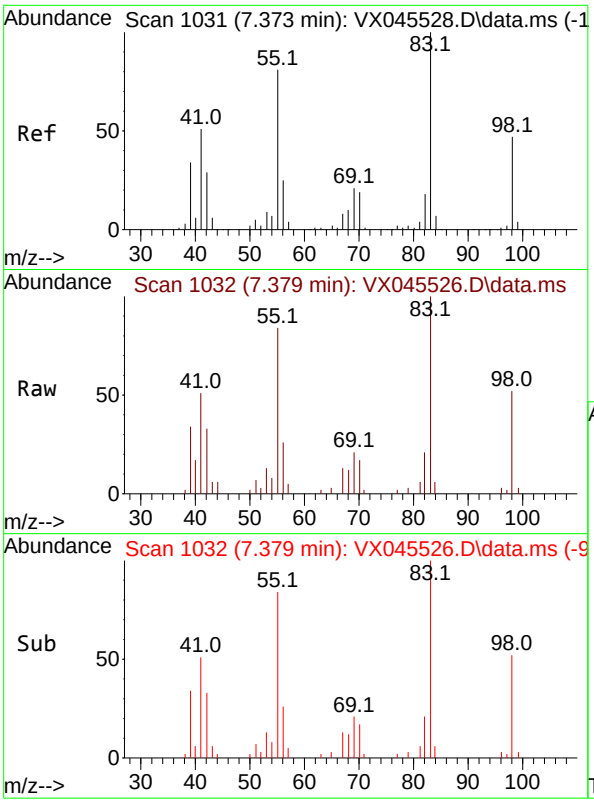


#38
Carbon Tetrachloride
Concen: 4.804 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

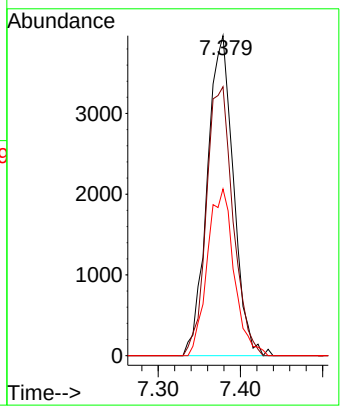




#39
Methylcyclohexane
Concen: 4.489 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 83 Resp: 875

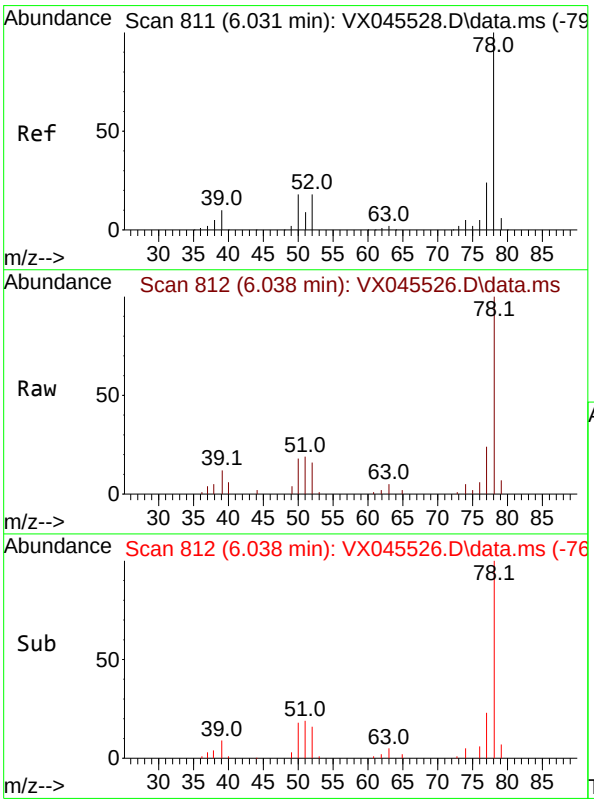
Ion	Ratio	Lower	Upper
83	100		
55	84.0	64.9	97.3
98	52.1	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

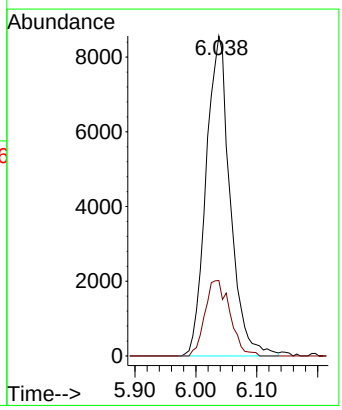
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

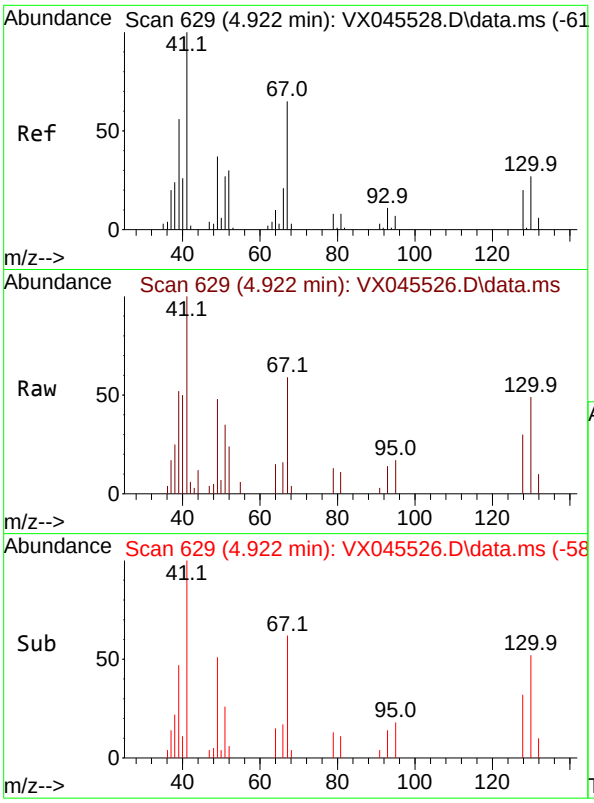


#40
Benzene
Concen: 4.839 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 78 Resp: 23522

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6

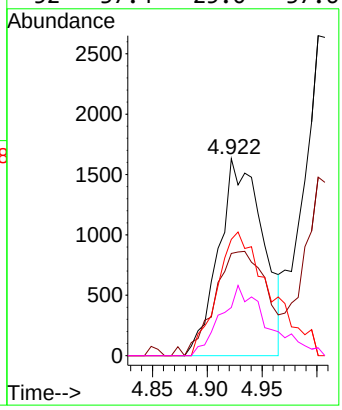




#41
Methacrylonitrile
Concen: 4.302 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 41 Resp: 459

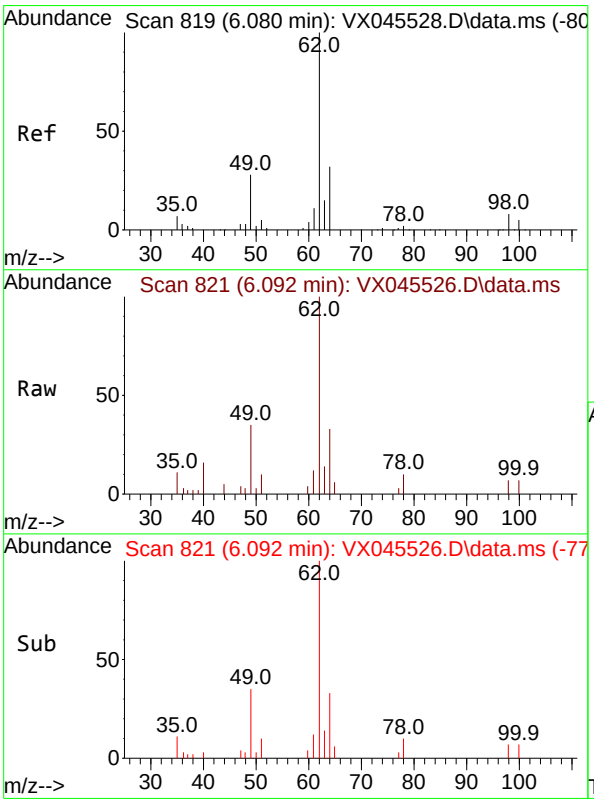
Ion	Ratio	Lower	Upper
41	100		
39	61.4	47.0	70.6
67	75.2	53.2	79.8
52	37.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

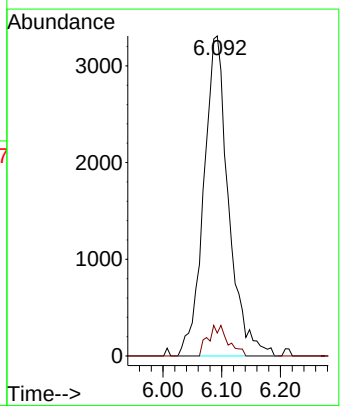
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

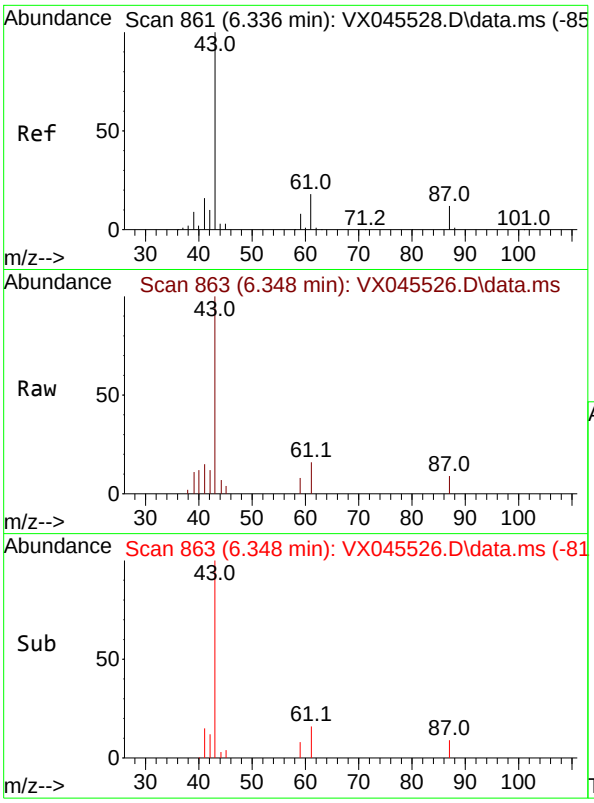


#42
1,2-Dichloroethane
Concen: 4.838 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

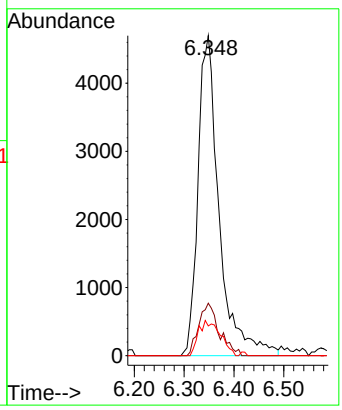
Tgt Ion: 43 Resp: 1380

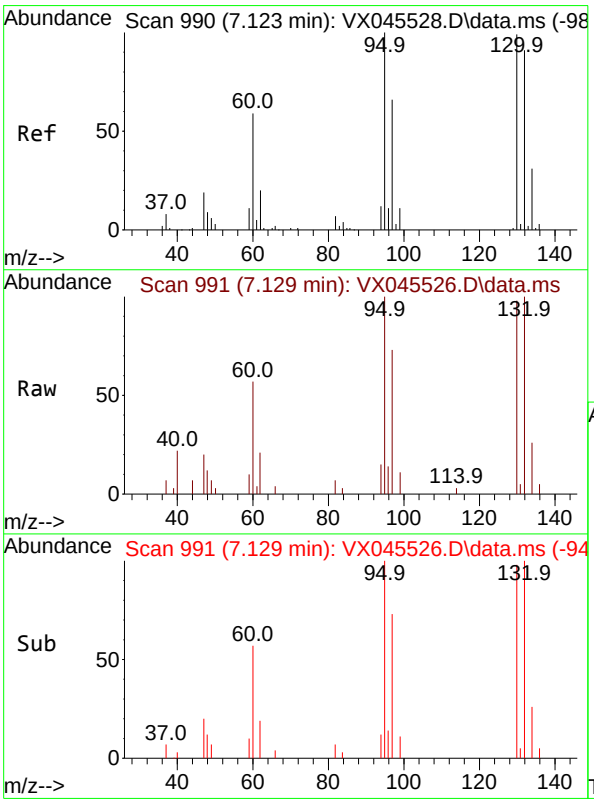
Ion	Ratio	Lower	Upper
43	100		
61	15.8	14.1	21.1
87	11.3	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

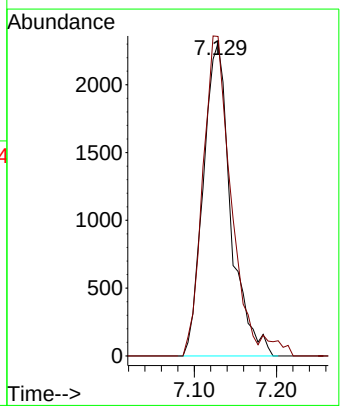


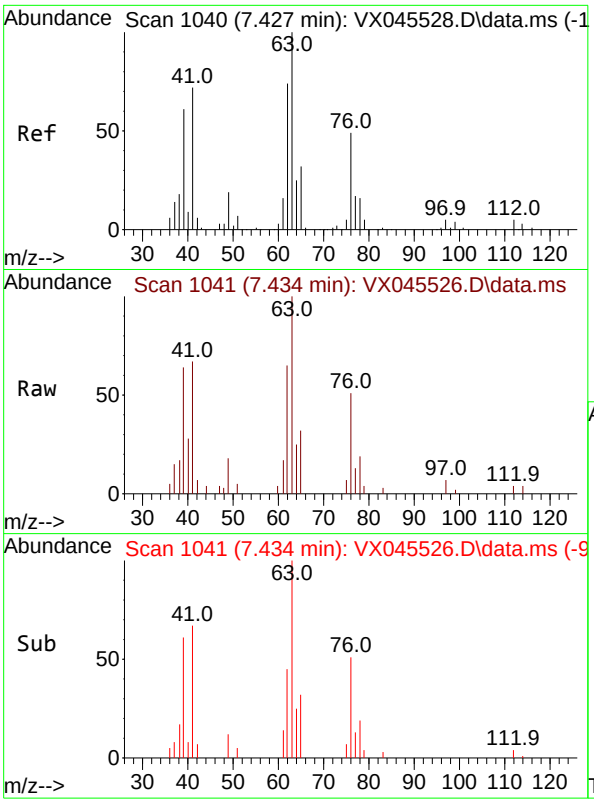


#44
Trichloroethene
Concen: 4.635 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:130 Resp: 5355

Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	202.0

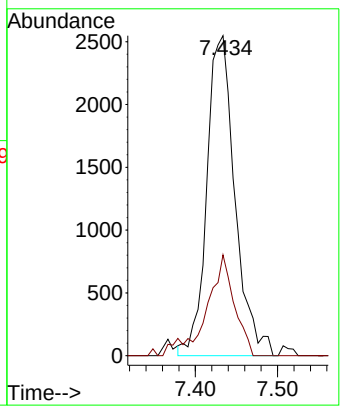




#45
1,2-Dichloropropane
Concen: 4.997 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 63 Resp: 606

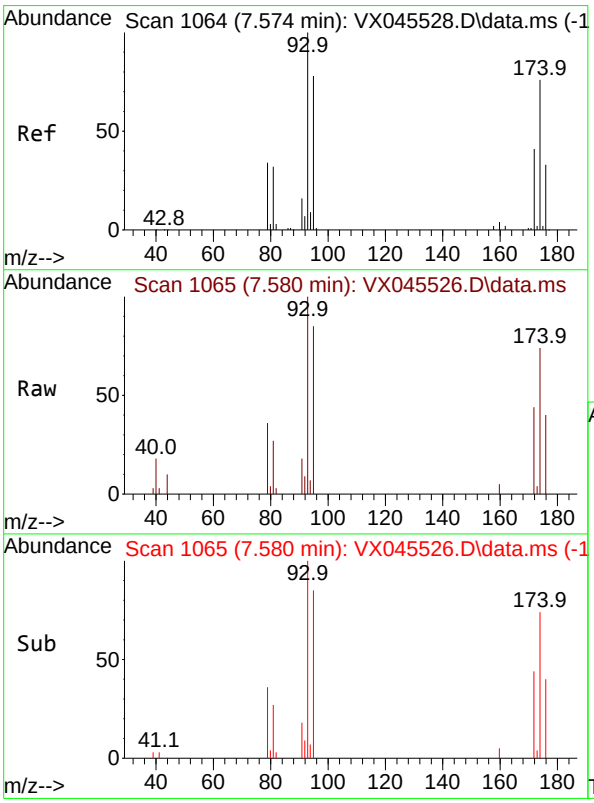
Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

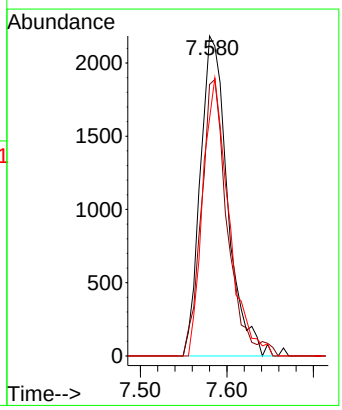
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

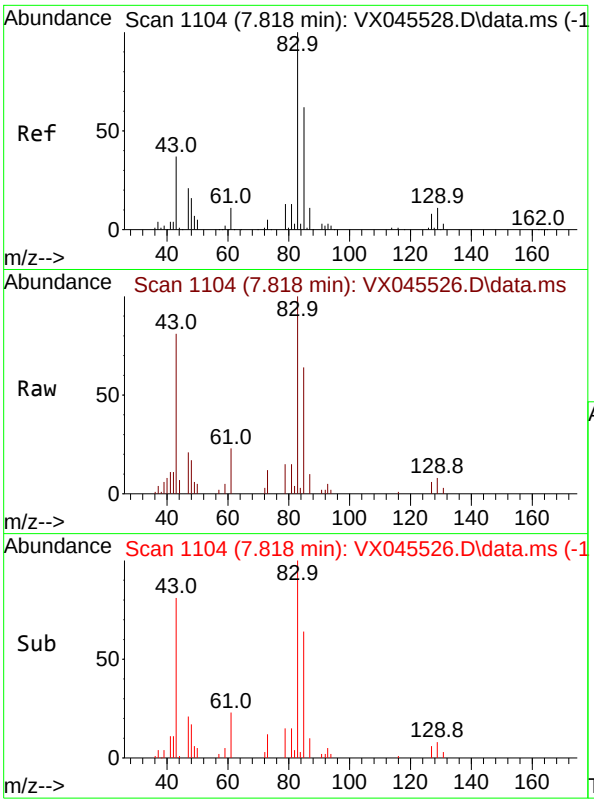


#46
Dibromomethane
Concen: 5.120 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

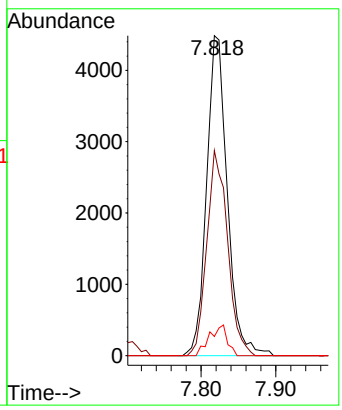




#47
Bromodichloromethane
Concen: 4.636 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 83 Resp: 861

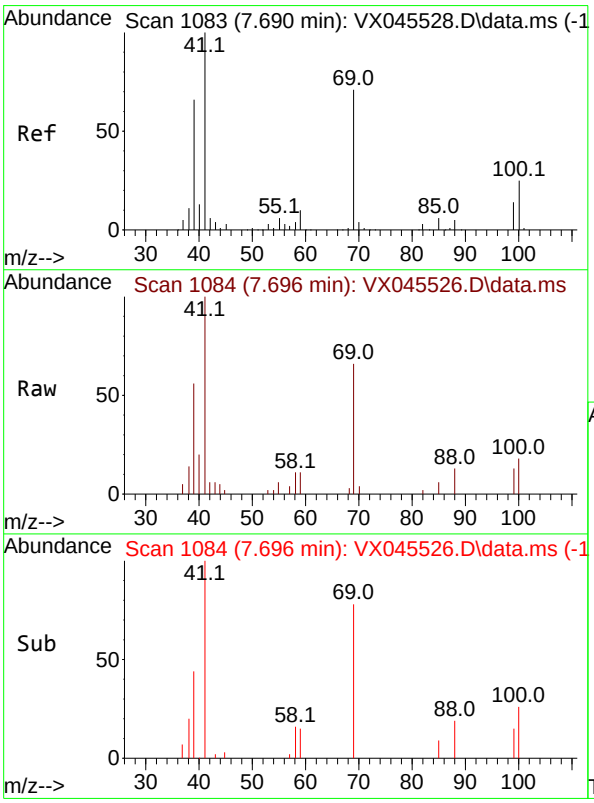
Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.7	74.5
127	6.0	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

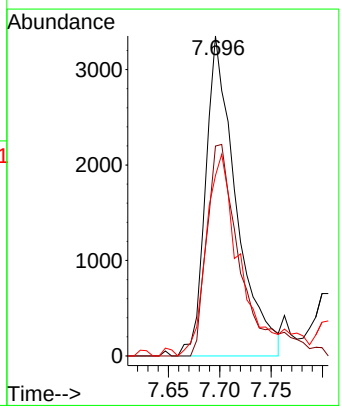
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

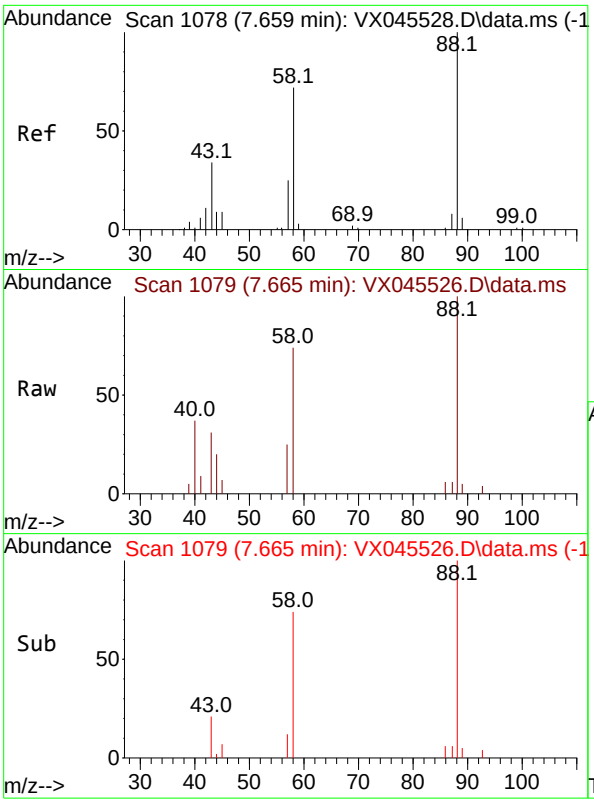


#48
Methyl methacrylate
Concen: 4.401 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

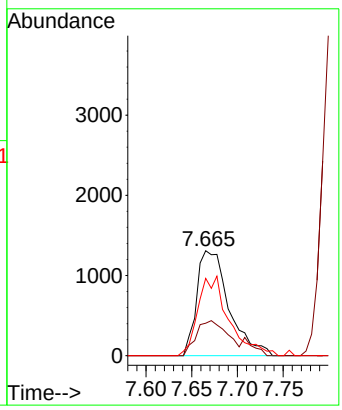




#49
1,4-Dioxane
Concen: 112.864 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 88 Resp: 320

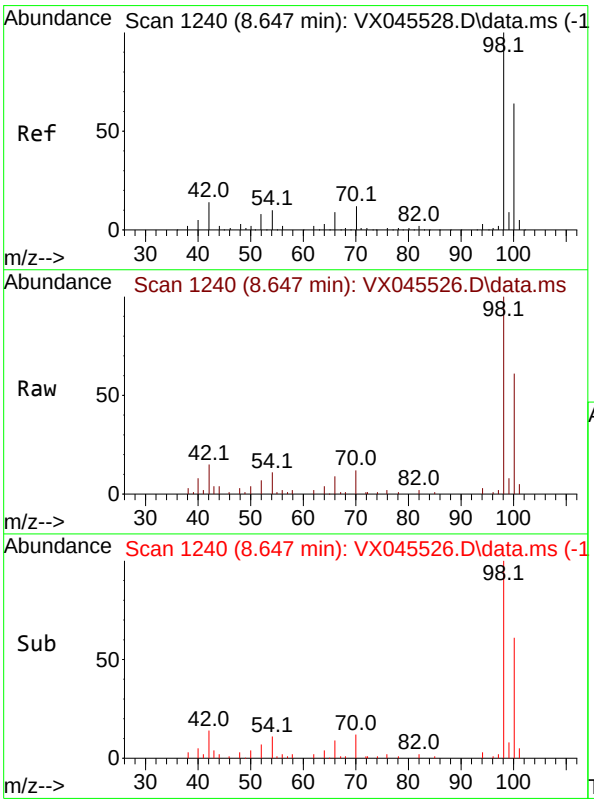
Ion	Ratio	Lower	Upper
88	100		
43	32.4	32.2	48.4
58	72.7	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

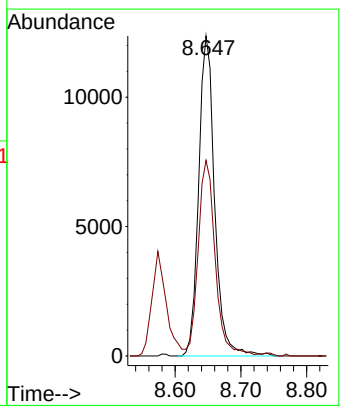
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

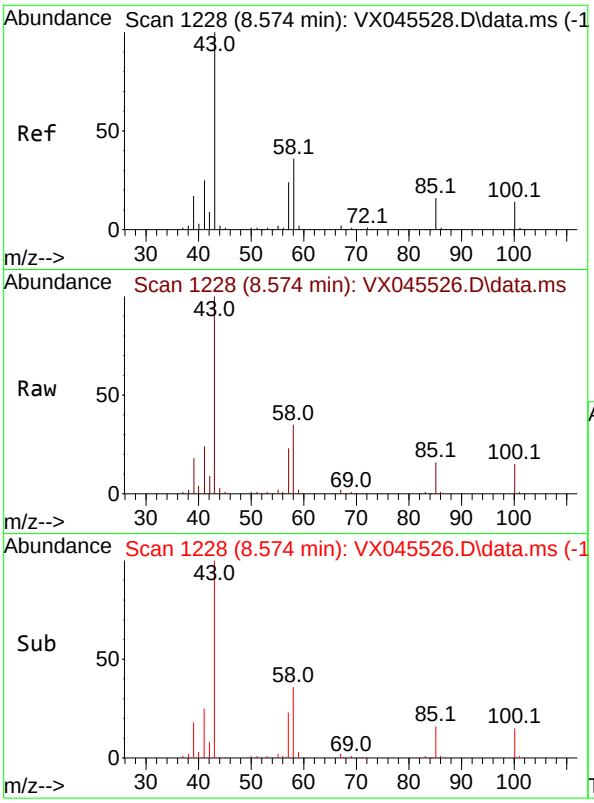


#50
Toluene-d8
Concen: 5.077 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 98 Resp: 20890

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.2	78.4

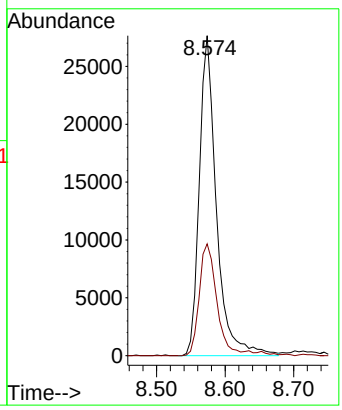




#51
4-Methyl-2-Pentanone
Concen: 23.844 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 4805

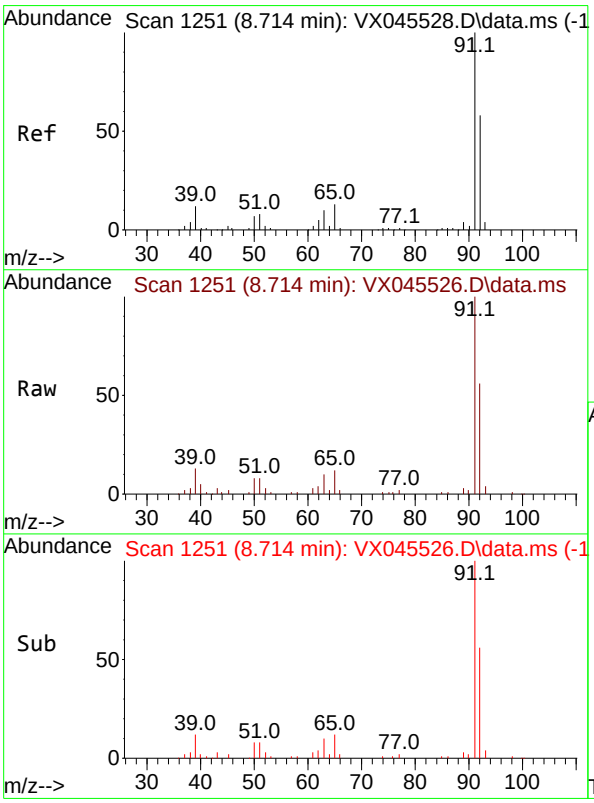
Ion	Ratio	Lower	Upper
43	100		
58	37.3	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

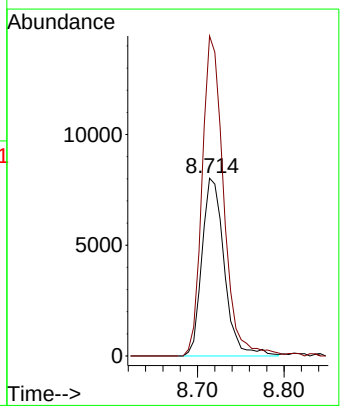
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

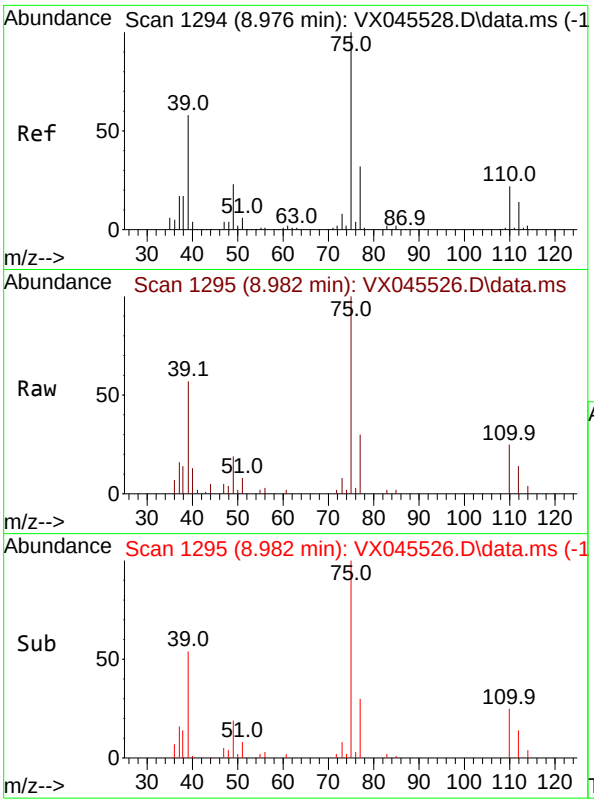


#52
Toluene
Concen: 4.893 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 92 Resp: 14391

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.7	208.1

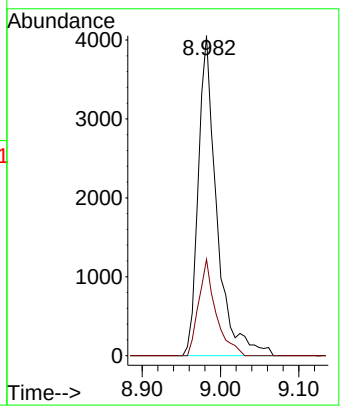




#53
t-1,3-Dichloropropene
Concen: 5.834 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 664

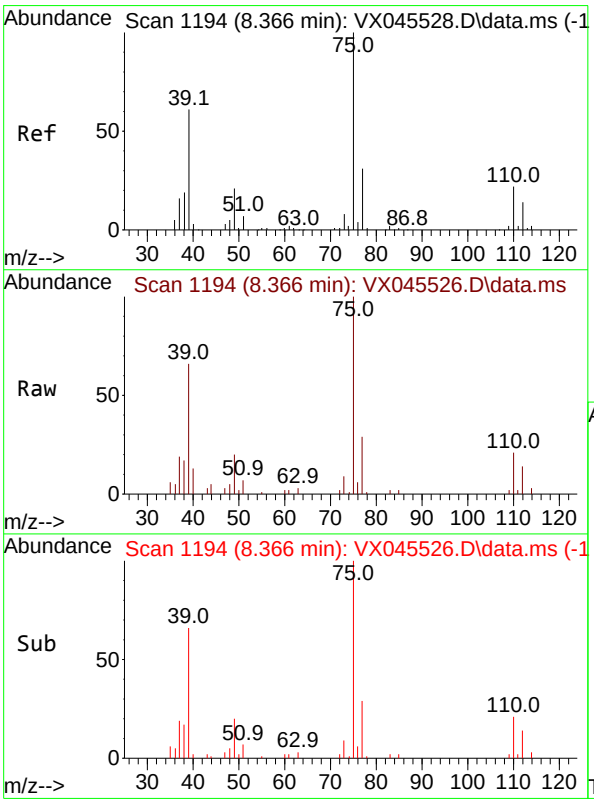
Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

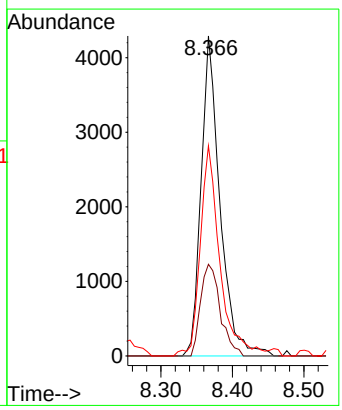
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

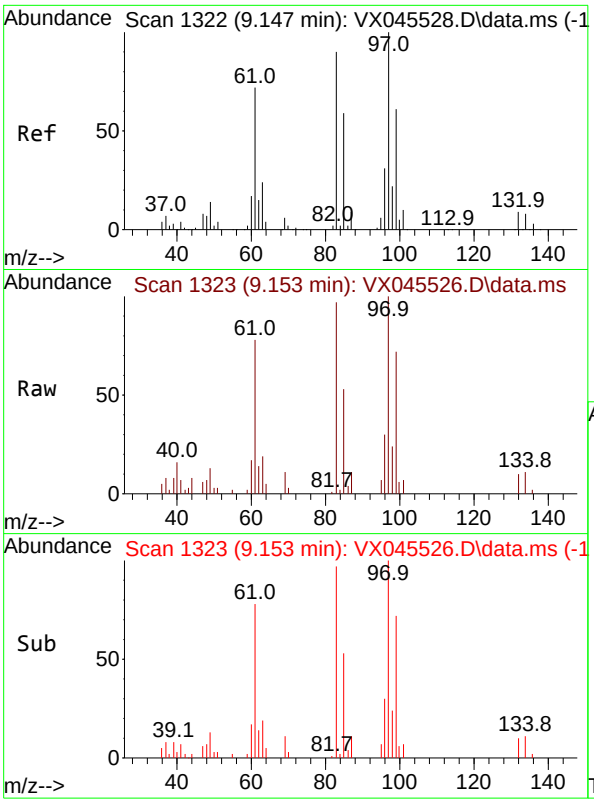


#54
cis-1,3-Dichloropropene
Concen: 4.506 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

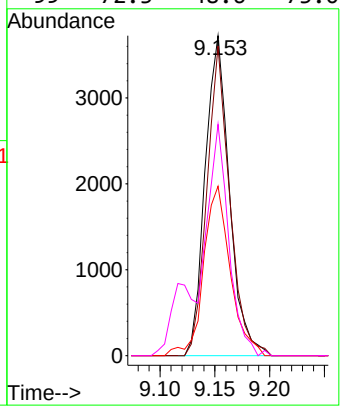




#55
1,1,2-Trichloroethane
Concen: 4.898 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 97 Resp: 574

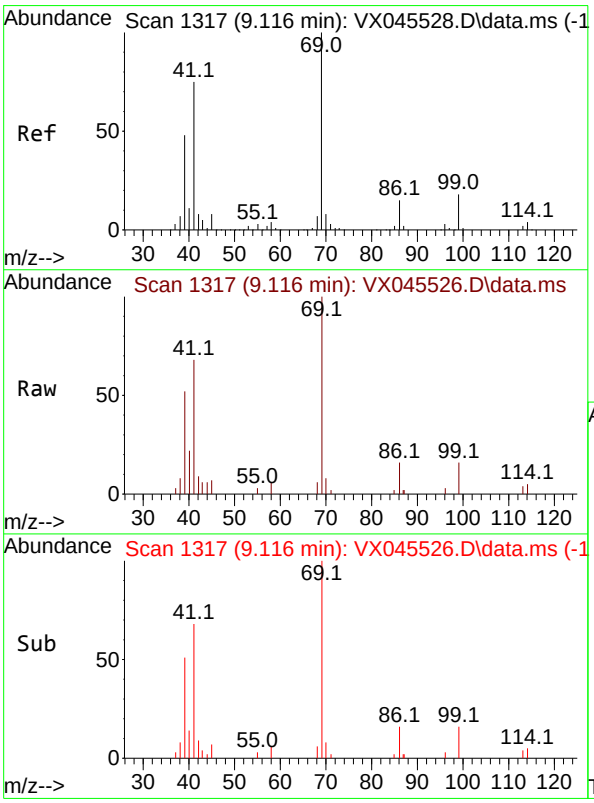
Ion	Ratio	Lower	Upper
97	100		
83	96.8	71.8	107.8
85	52.9	47.0	70.6
99	72.3	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

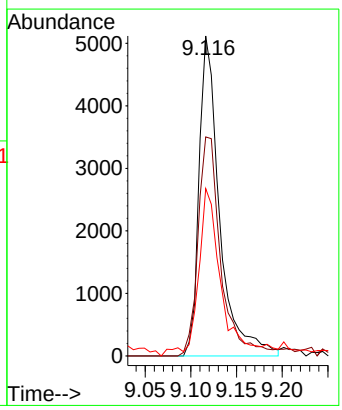
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

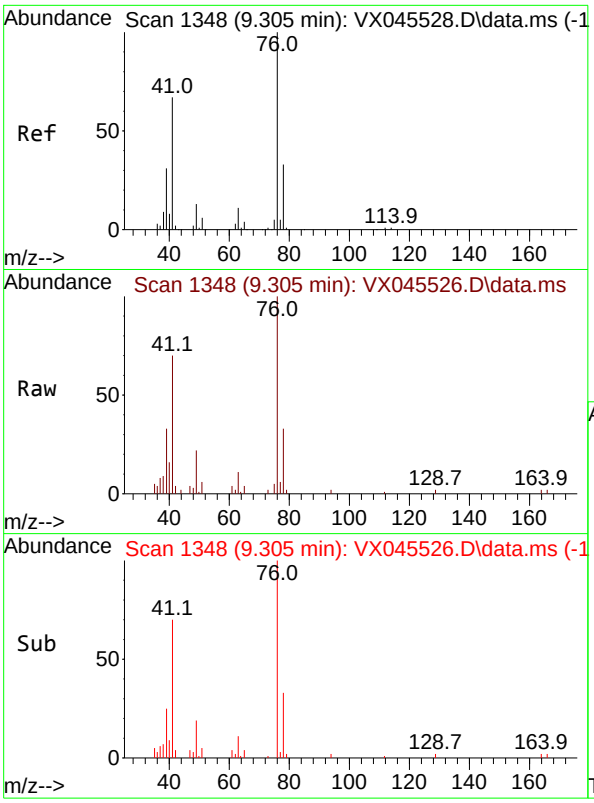


#56
Ethyl methacrylate
Concen: 4.417 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

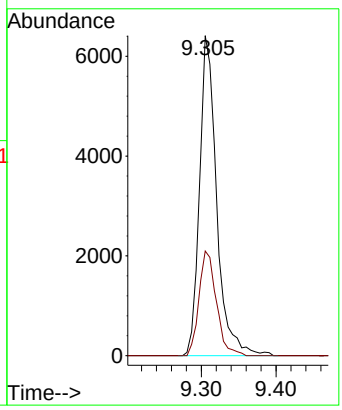




#57
1,3-Dichloropropane
Concen: 5.002 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 76 Resp: 1020

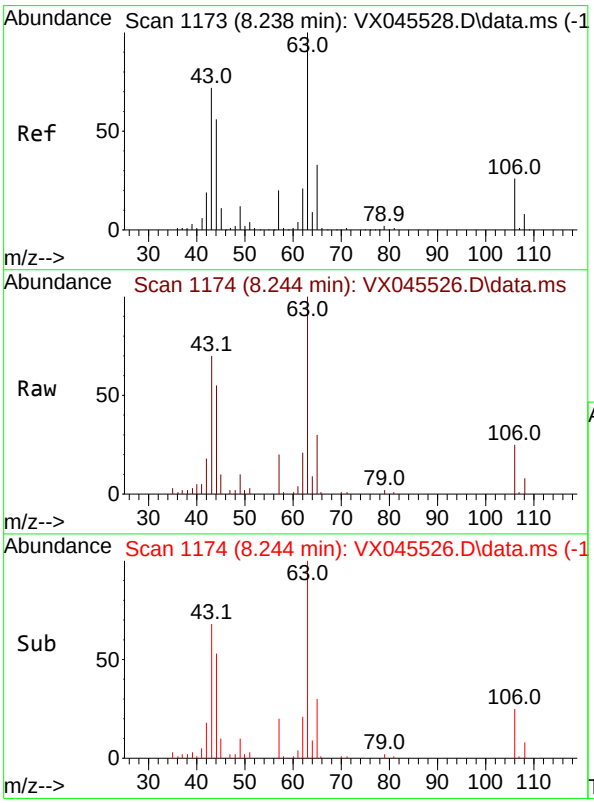
Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

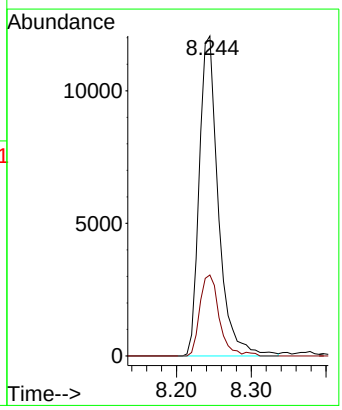
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

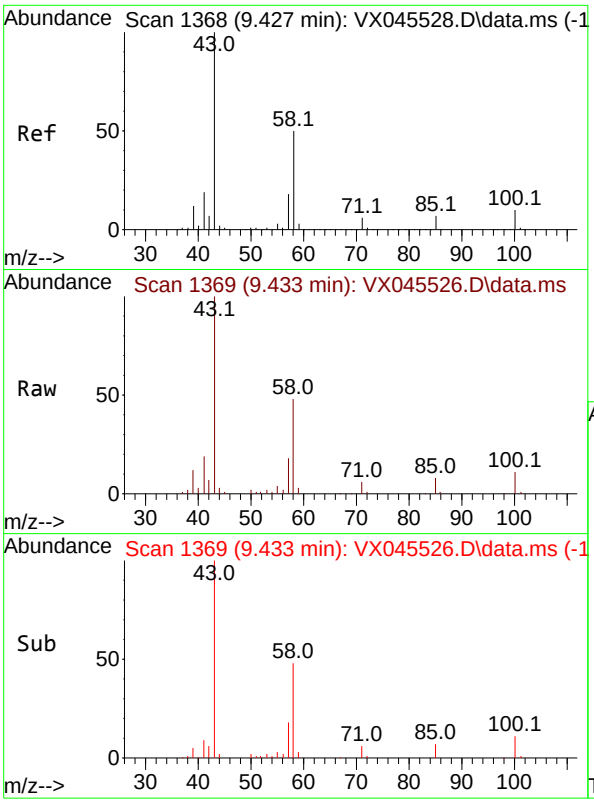


#58
2-Chloroethyl Vinyl ether
Concen: 23.302 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 63 Resp: 21382

Ion	Ratio	Lower	Upper
63	100		
106	25.8	21.0	31.6

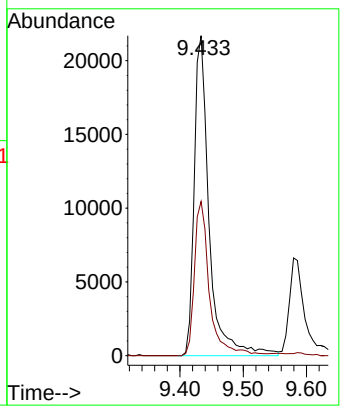




#59
2-Hexanone
Concen: 23.875 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 43 Resp: 3562

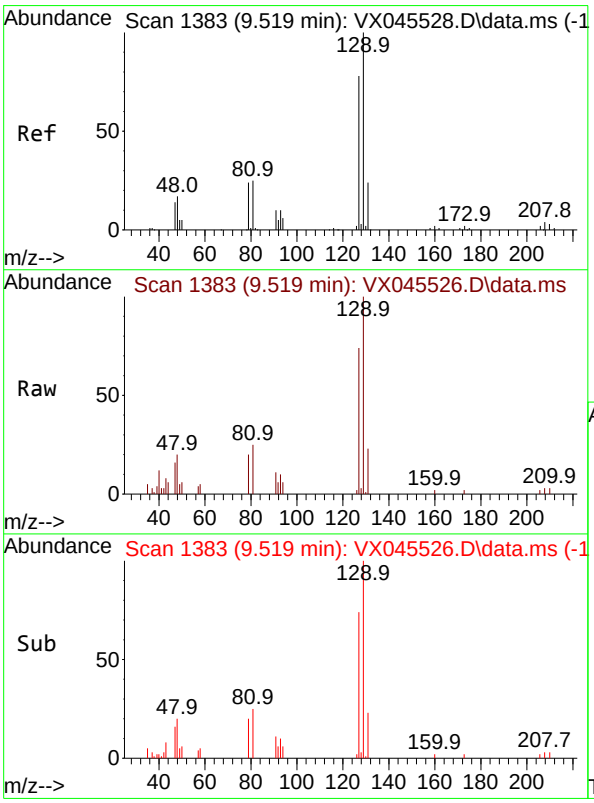
Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

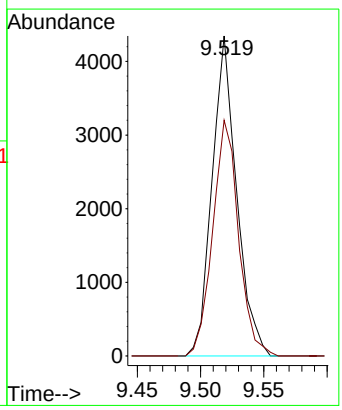
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

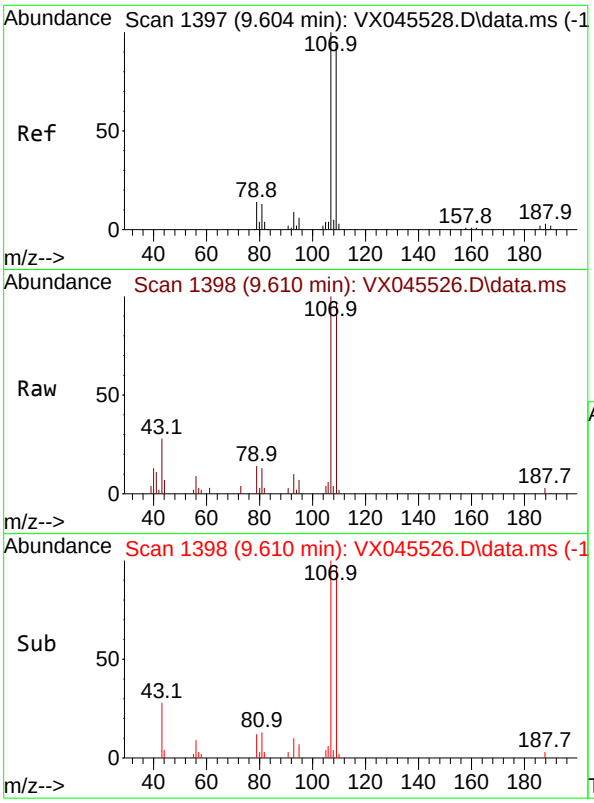


#60
Dibromochloromethane
Concen: 4.582 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:129 Resp: 5855

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.4	118.2

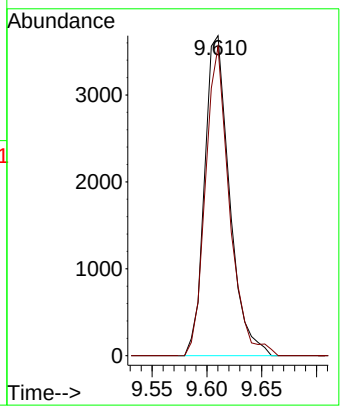




#61
1,2-Dibromoethane
Concen: 4.920 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:107 Resp: 583

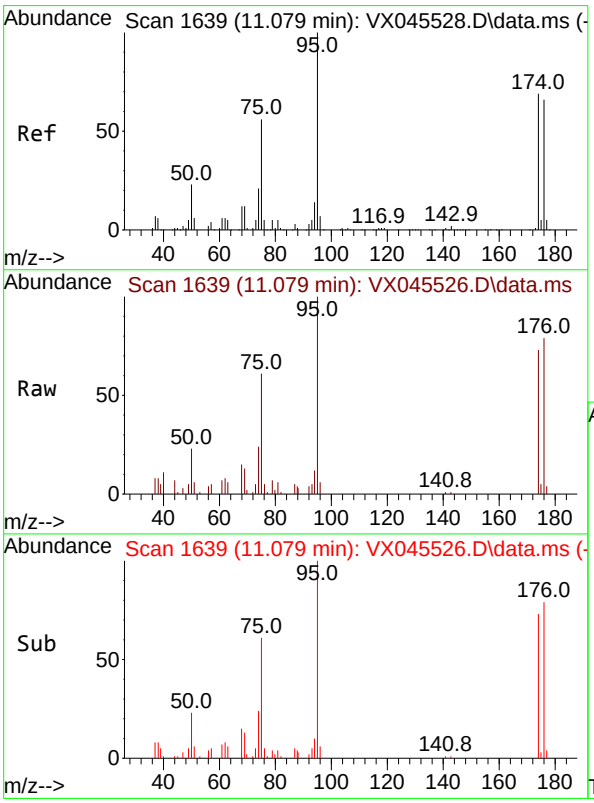
Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

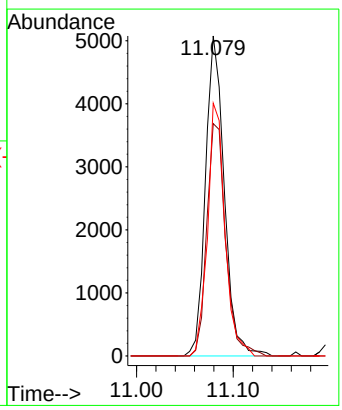
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

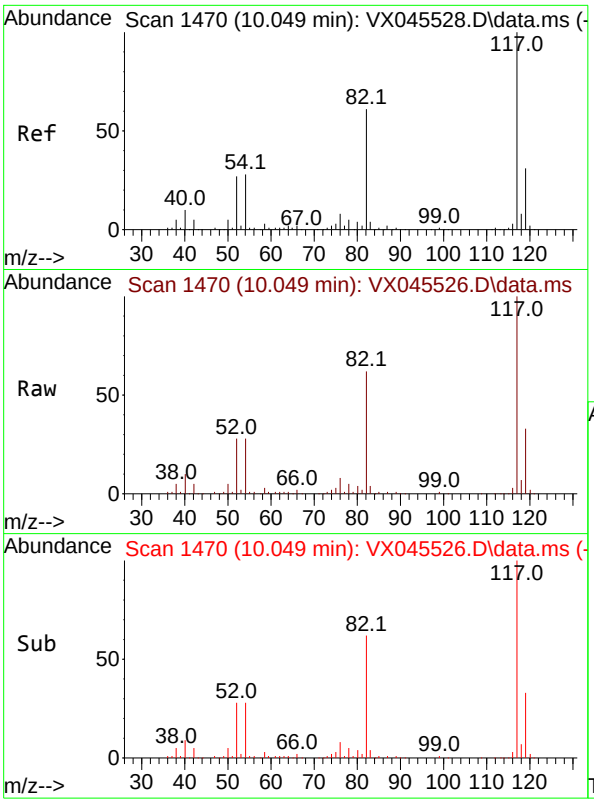


#62
4-Bromofluorobenzene
Concen: 4.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

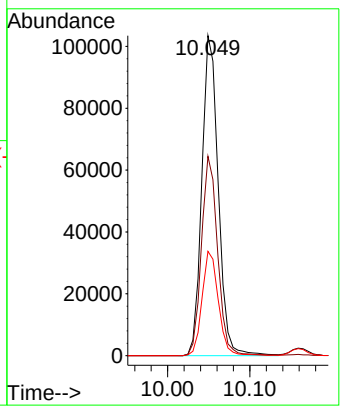




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:117 Resp: 14393

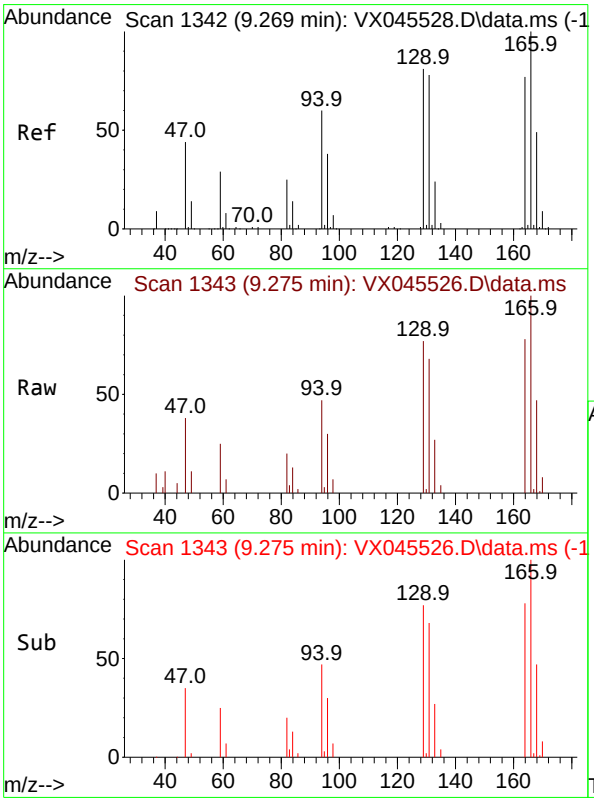
Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.2	73.8
119	32.6	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

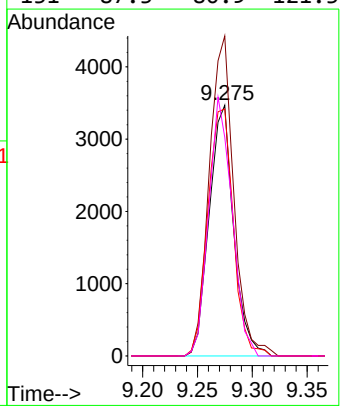
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

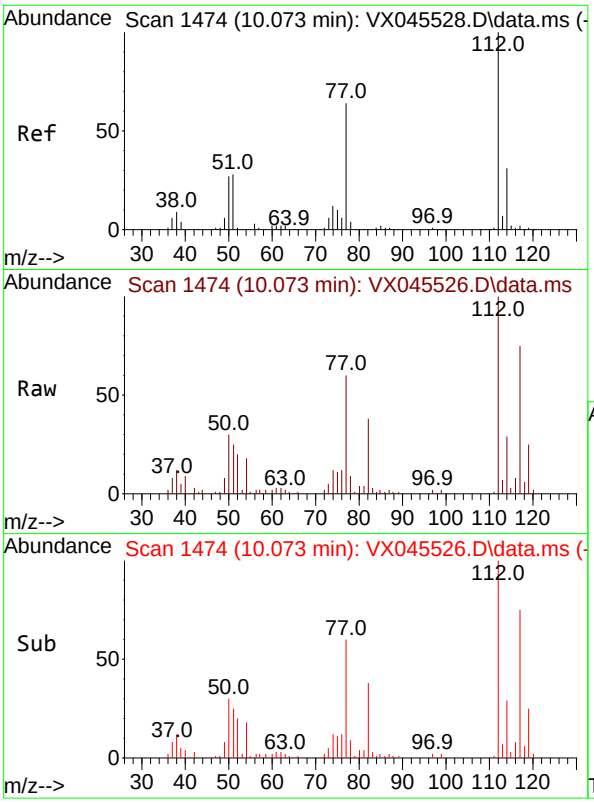


#64
Tetrachloroethene
Concen: 5.287 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

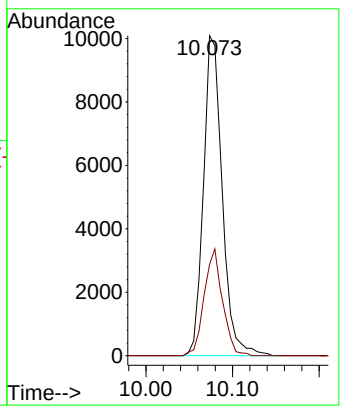
Tgt Ion:112 Resp: 1517

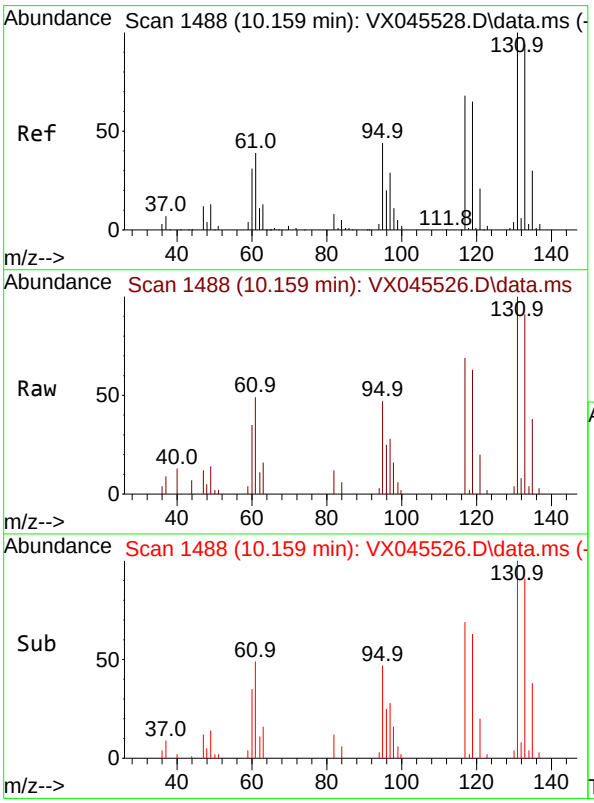
Ion	Ratio	Lower	Upper
112	100		
114	28.5	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

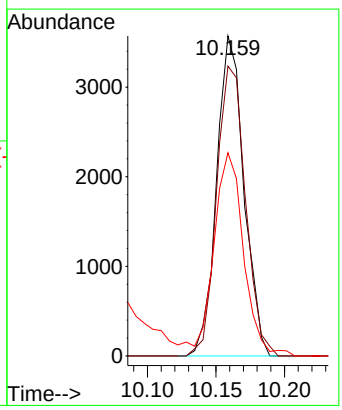


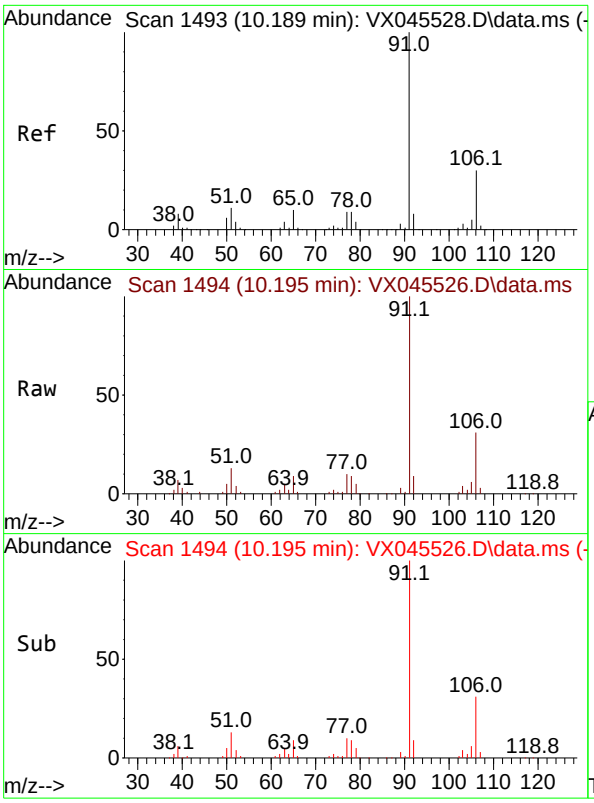


#66
1,1,1,2-Tetrachloroethane
Concen: 4.631 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

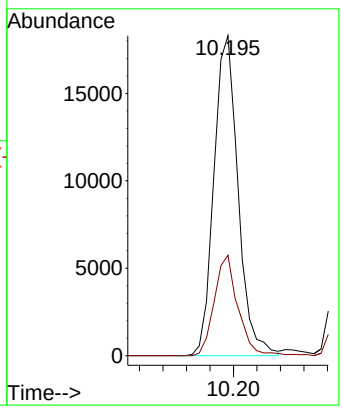
Tgt Ion: 91 Resp: 2618

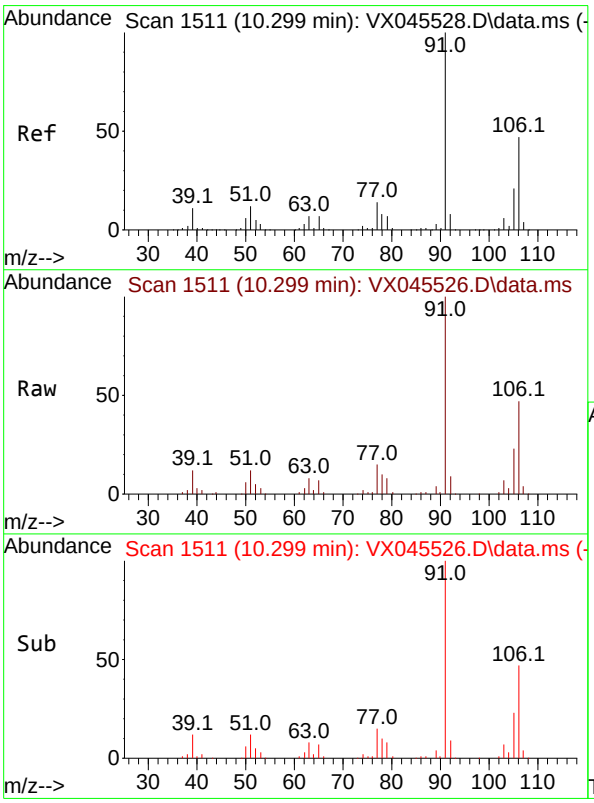
Ion	Ratio	Lower	Upper
91	100		
106	31.4	23.7	35.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

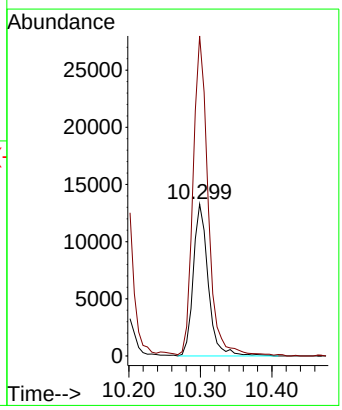


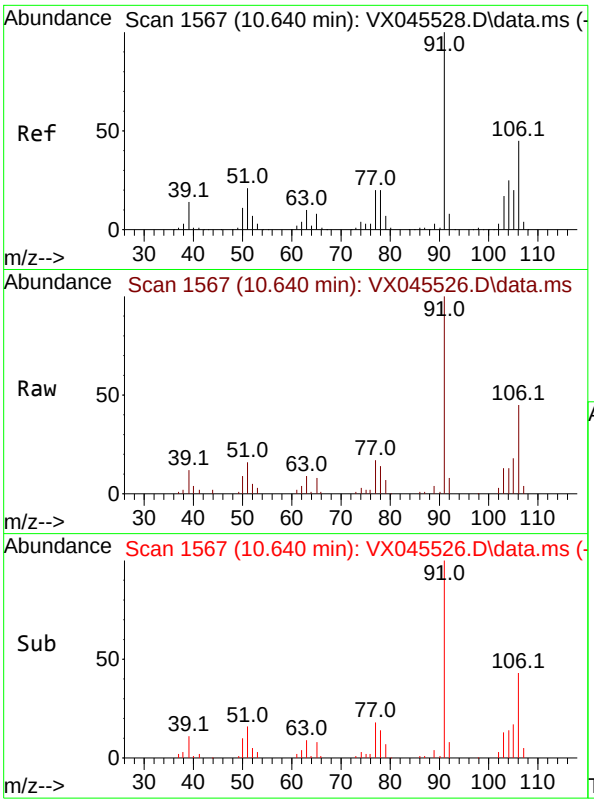


#68
m/p-Xylenes
Concen: 9.617 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:106 Resp: 19268

Ion	Ratio	Lower	Upper
106	100		
91	213.6	172.6	258.8

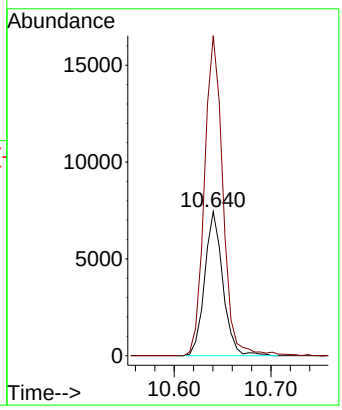




#69
o-Xylene
Concen: 4.932 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:106 Resp: 973

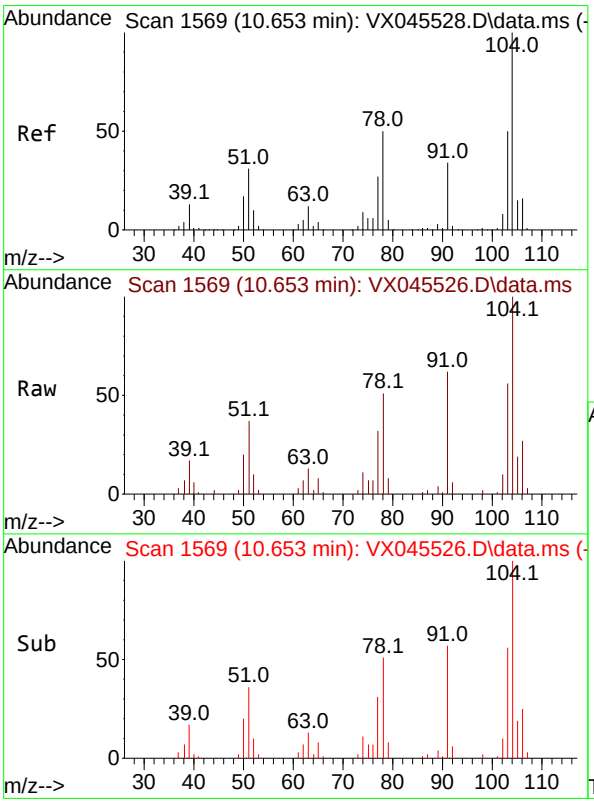
Ion	Ratio	Lower	Upper
106	100		
91	225.8	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

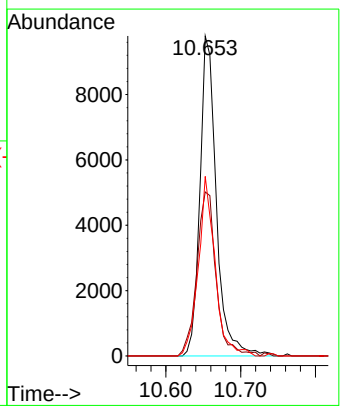
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

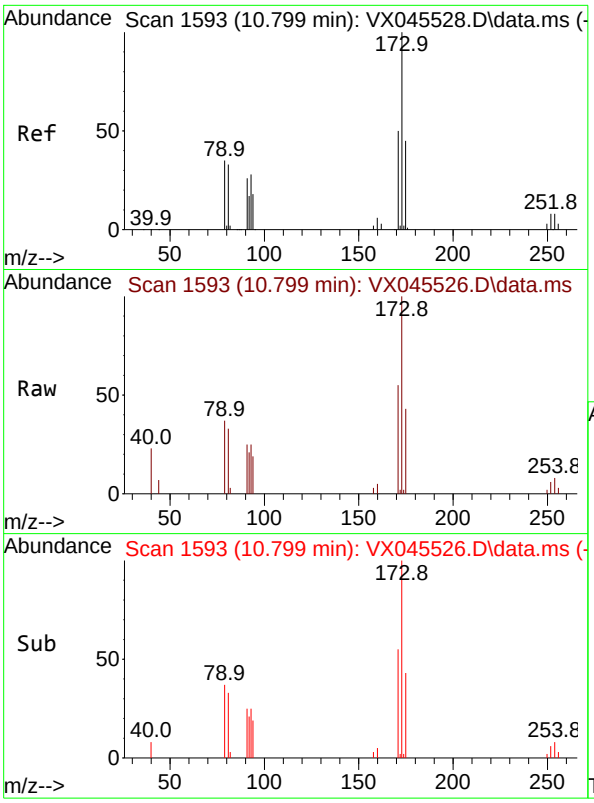


#70
Styrene
Concen: 4.610 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

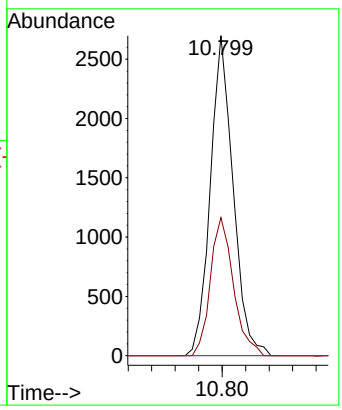




#71
Bromoform
Concen: 4.558 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:173 Resp: 363

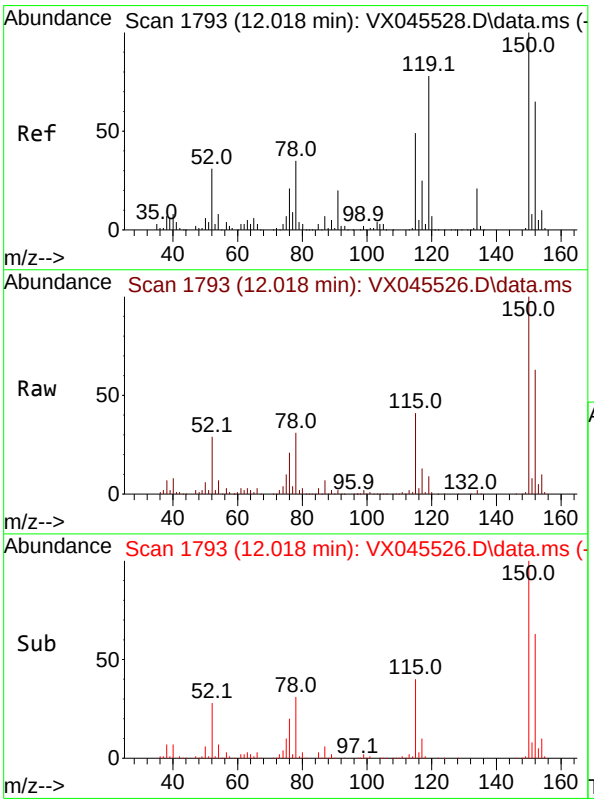
Ion	Ratio	Lower	Upper
173	100		
175	43.7	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

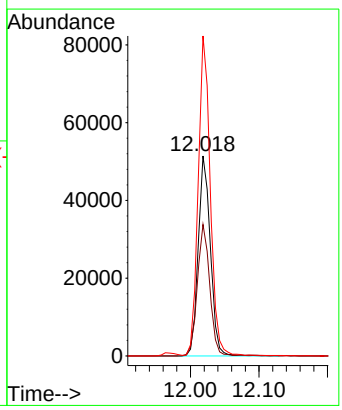
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

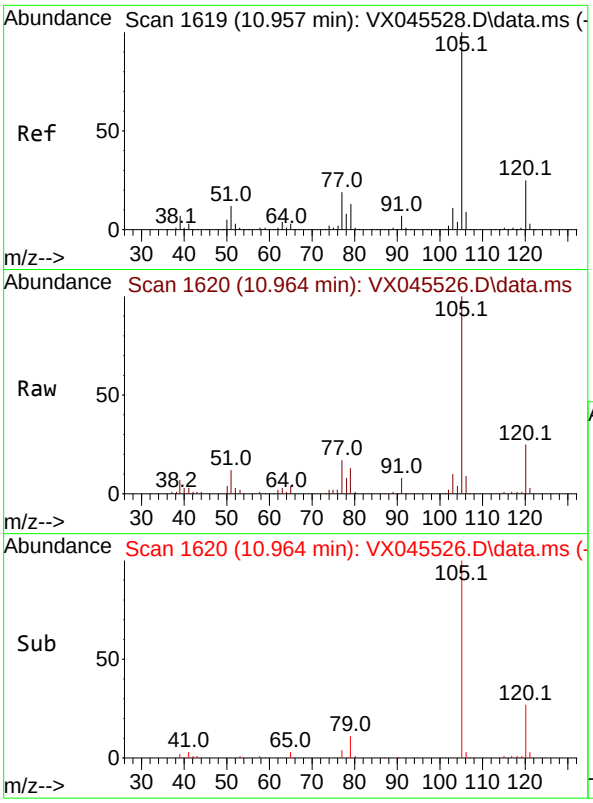


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

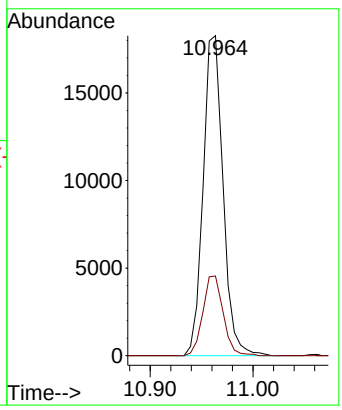
Tgt Ion:105 Resp: 2460

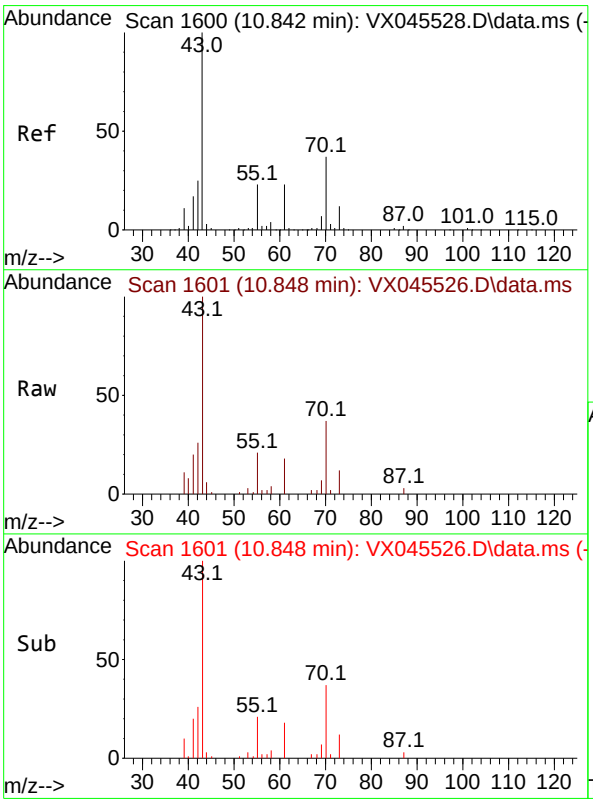
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

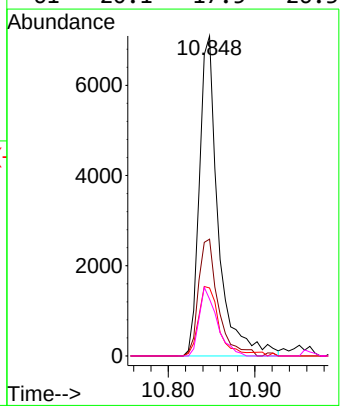


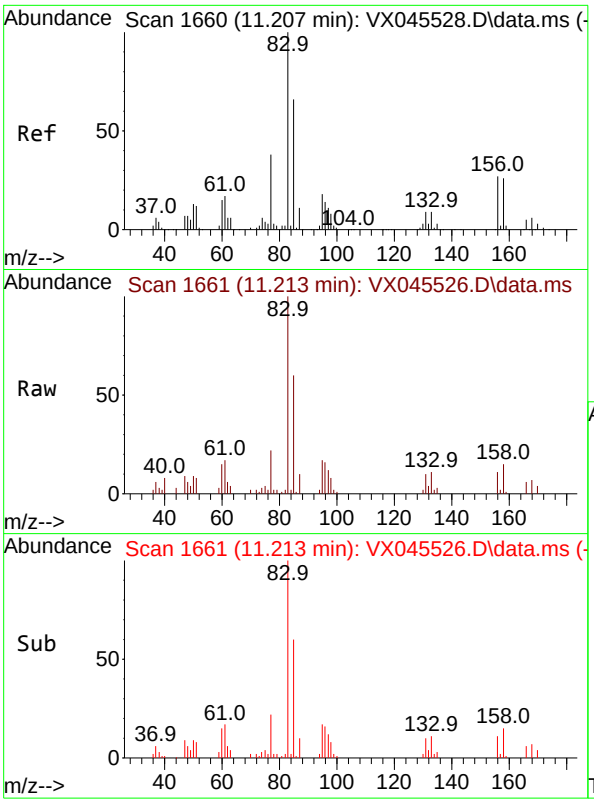


#74
N-amyl acetate
Concen: 4.390 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

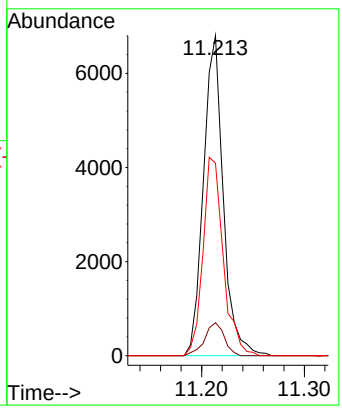
Tgt Ion: 83 Resp: 912

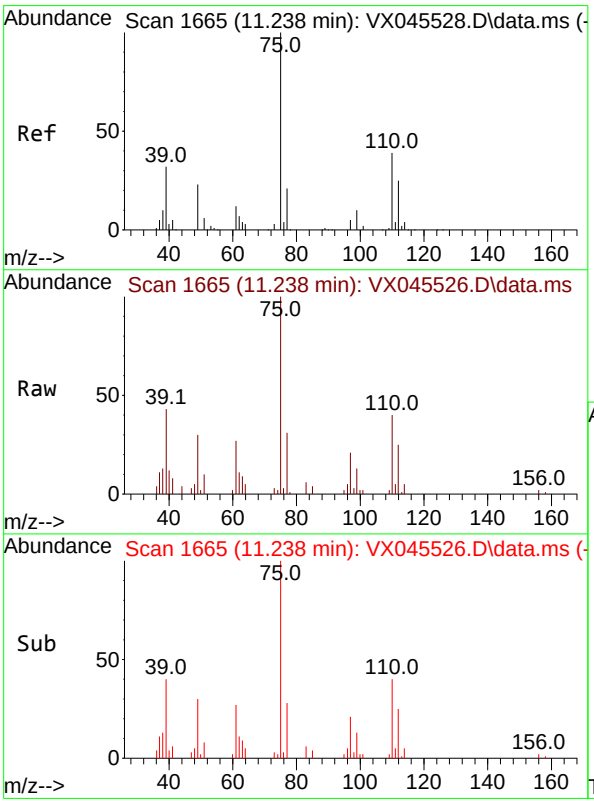
Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.7	14.1
85	63.5	32.4	97.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

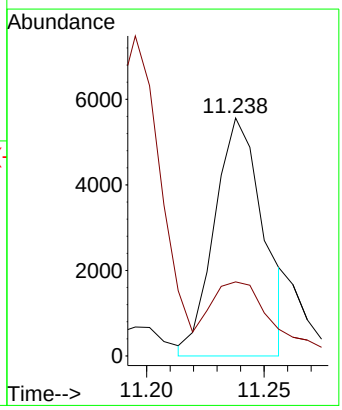


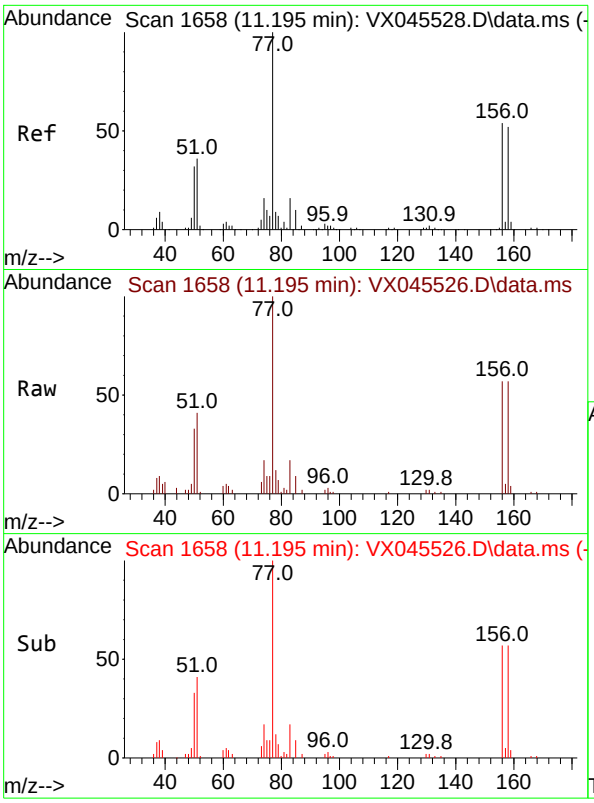


#76
1,2,3-Trichloropropane
Concen: 5.152 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 75 Resp: 8032

Ion	Ratio	Lower	Upper
75	100		
77	40.2	20.0	59.9

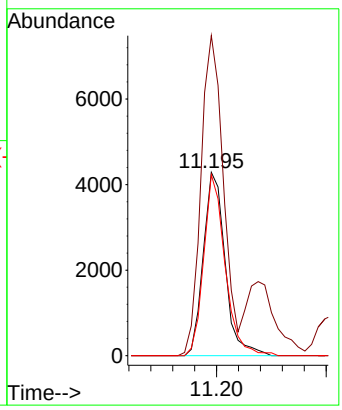




#77
Bromobenzene
Concen: 5.011 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:156 Resp: 592

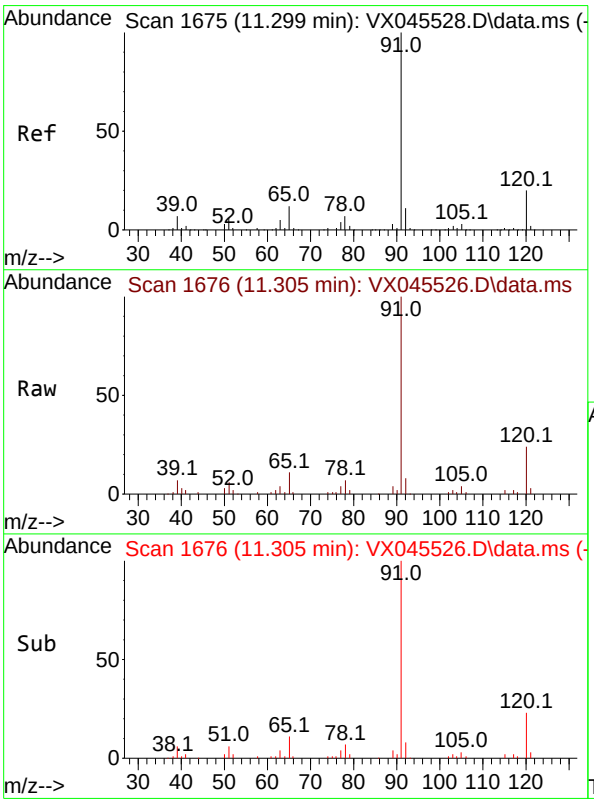
Ion	Ratio	Lower	Upper
156	100		
77	178.8	92.6	277.8
158	97.0	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

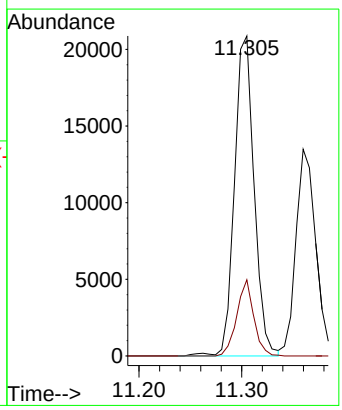
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

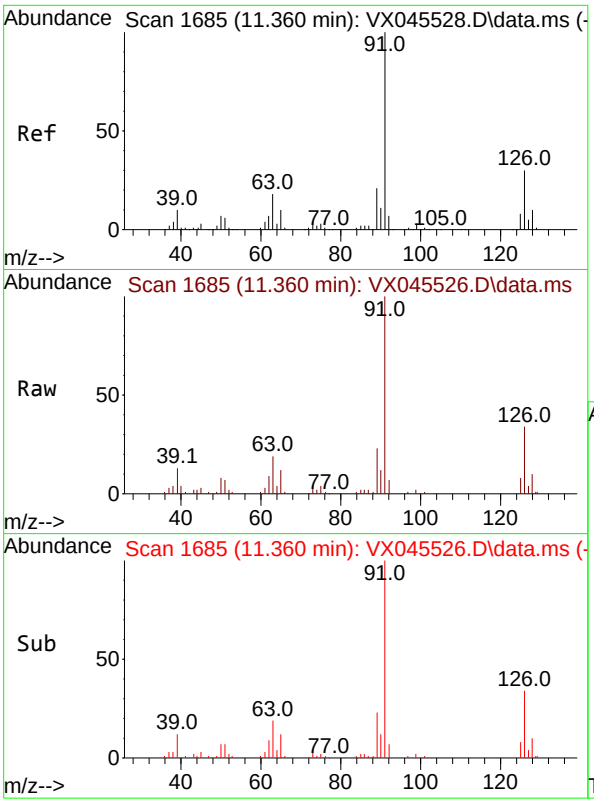


#78
n-propylbenzene
Concen: 4.711 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 27777

Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.8	32.3

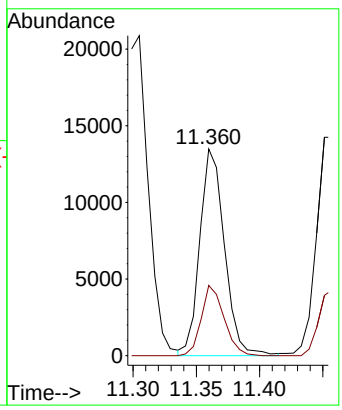




#79
2-Chlorotoluene
Concen: 4.870 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 1835

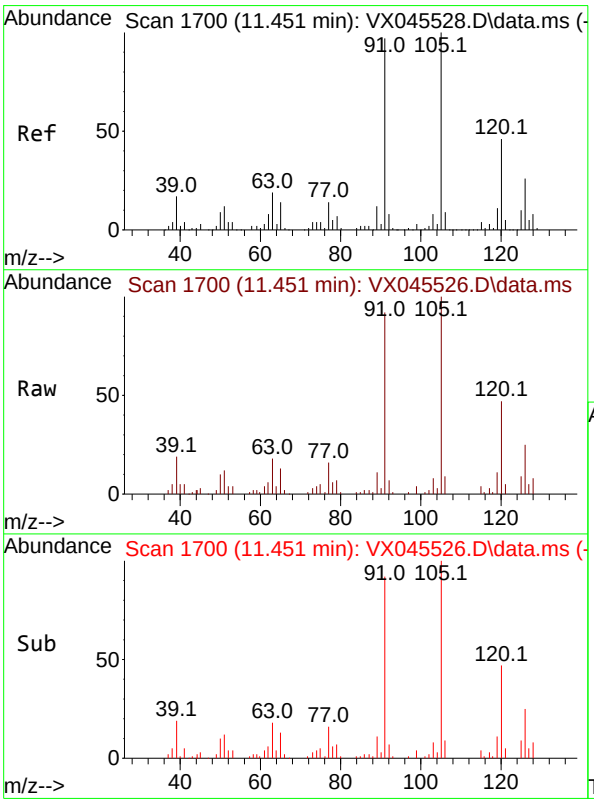
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

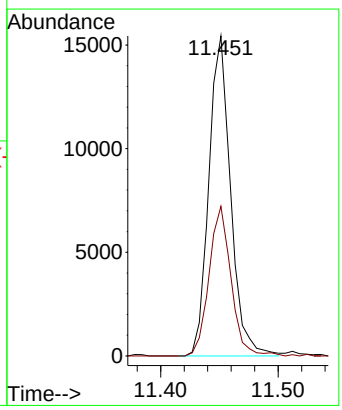
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

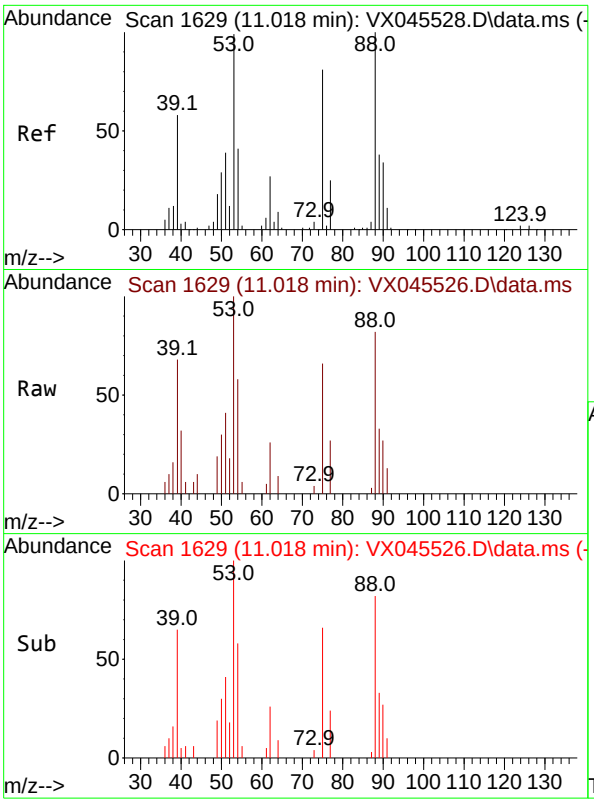


#80
1,3,5-Trimethylbenzene
Concen: 4.710 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

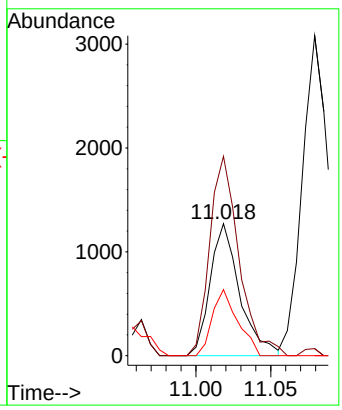
Tgt Ion: 75 Resp: 175

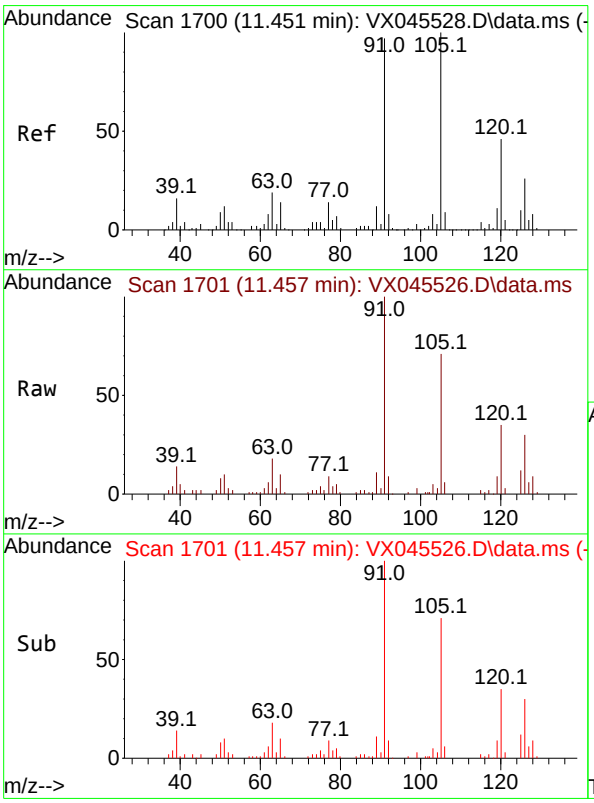
Ion	Ratio	Lower	Upper
75	100		
53	149.1	101.8	152.6
89	43.1	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

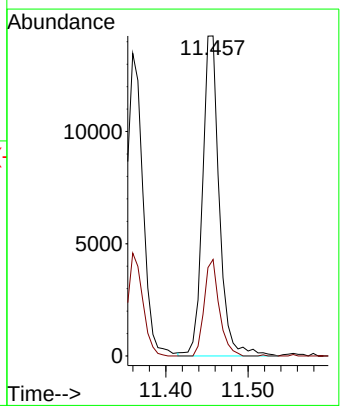


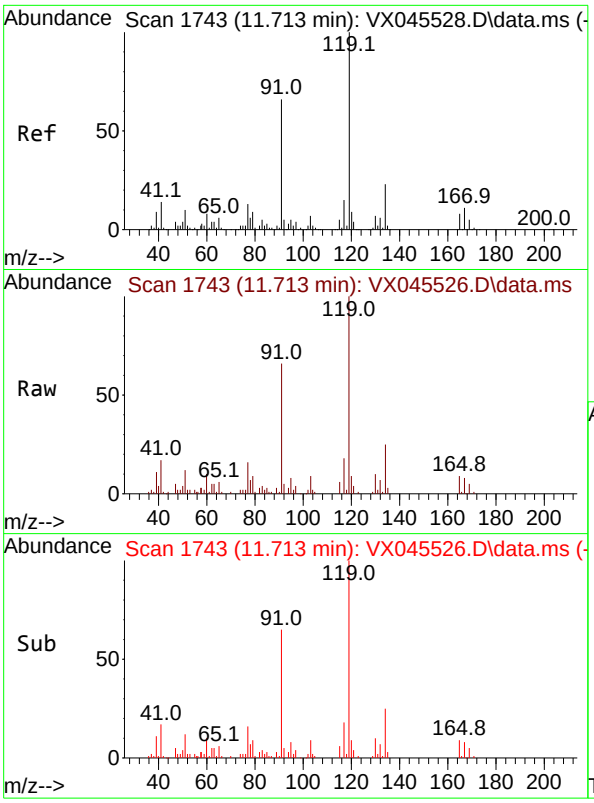


#82
4-Chlorotoluene
Concen: 4.799 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

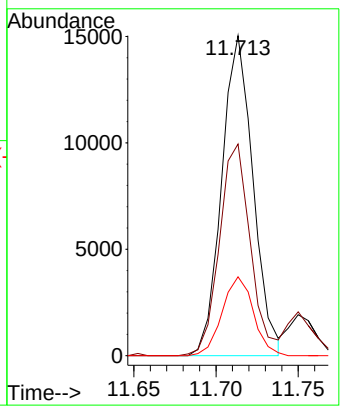
Tgt Ion:119 Resp: 1996

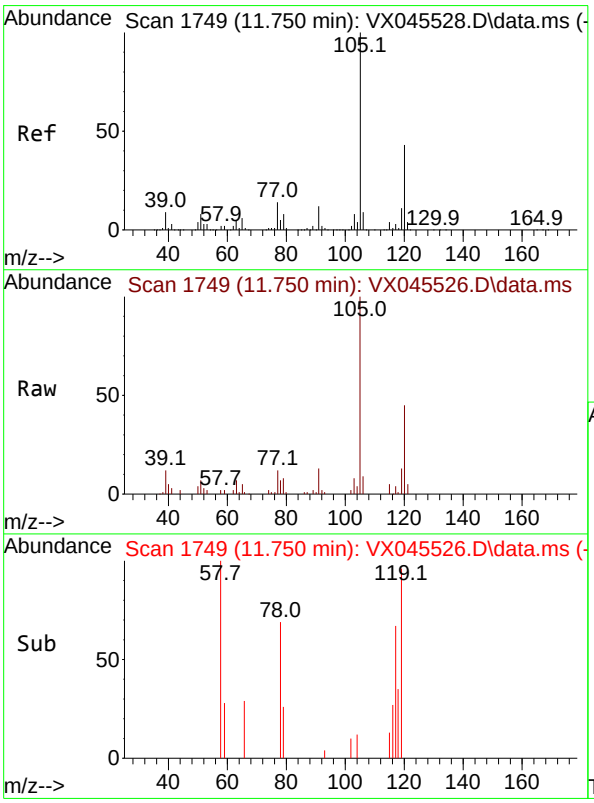
Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.4	97.2
134	24.6	11.5	34.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

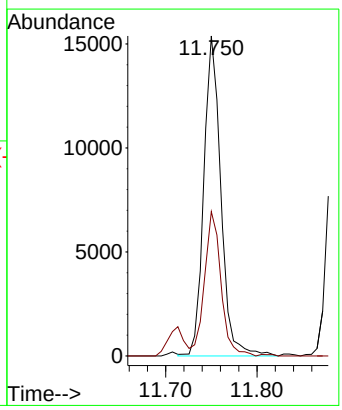


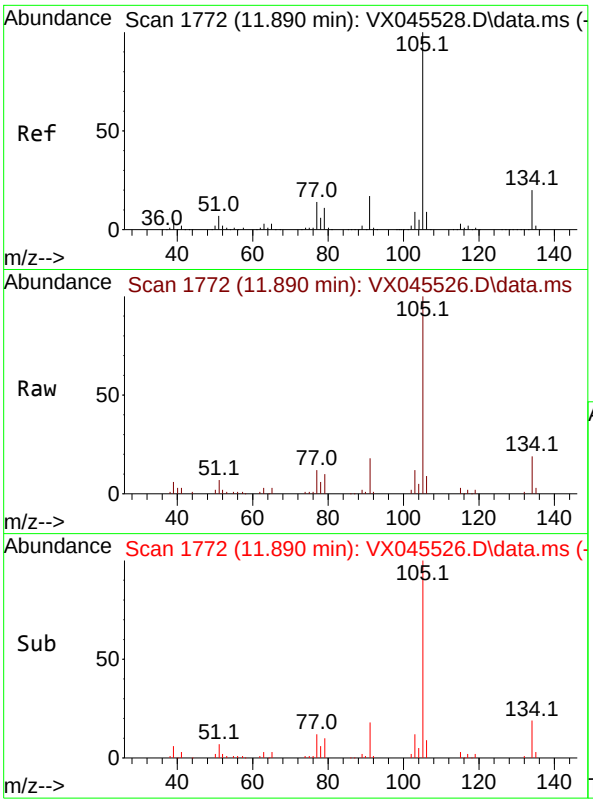


#84
1,2,4-Trimethylbenzene
Concen: 4.707 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:105 Resp: 19998

Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.4	64.3

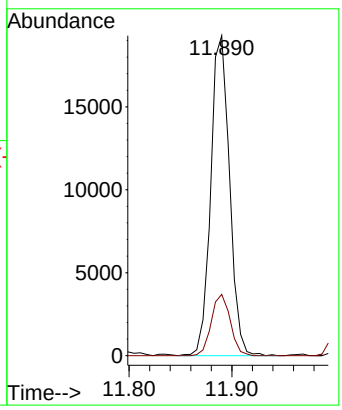




#85
sec-Butylbenzene
Concen: 4.753 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:105 Resp: 2446

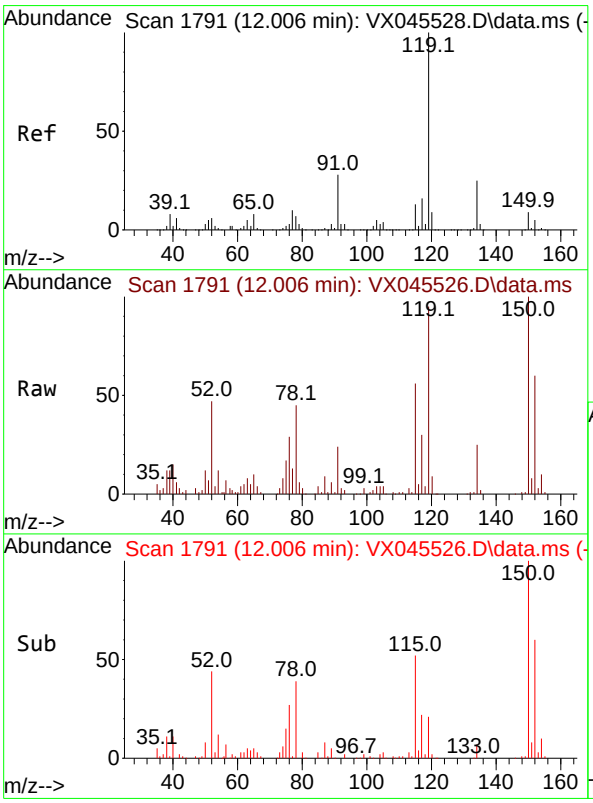
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

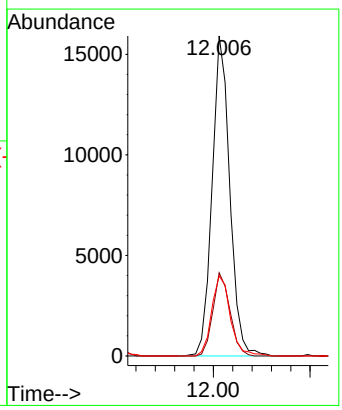
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

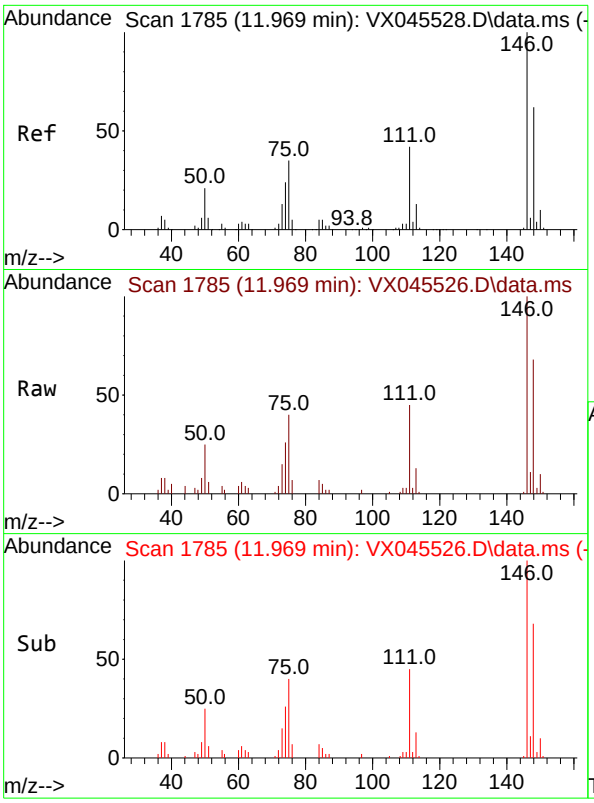


#86
p-Isopropyltoluene
Concen: 4.755 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

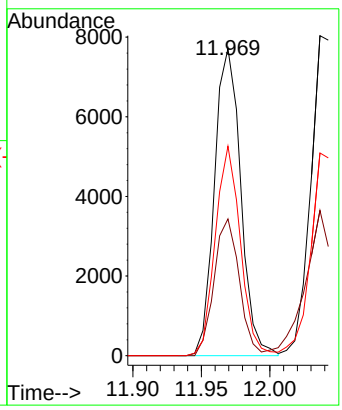




#87
1,3-Dichlorobenzene
Concen: 4.763 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:146 Resp: 1025

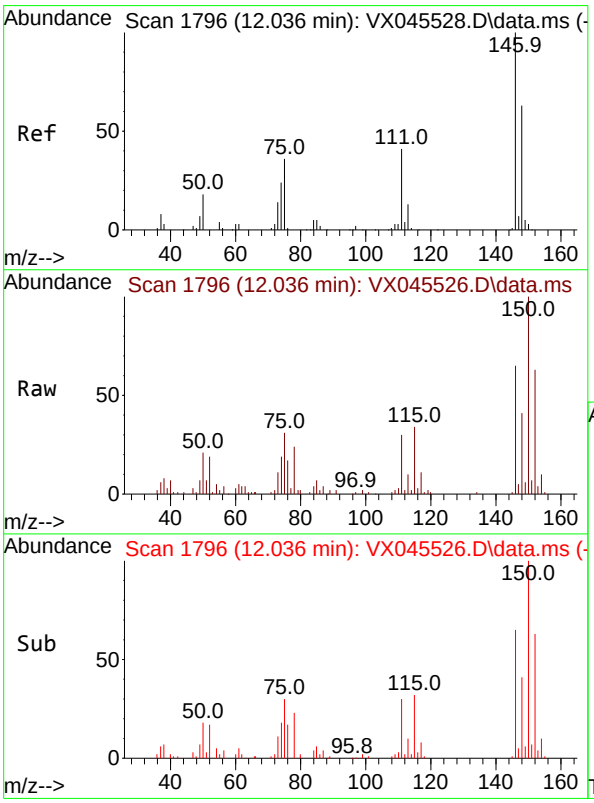
Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.2	66.6
148	65.7	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

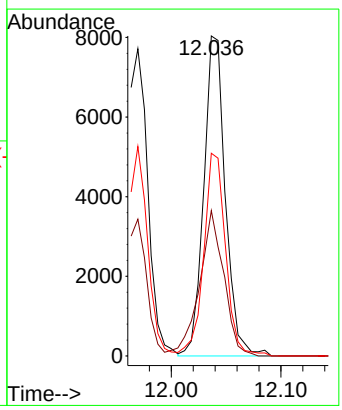
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

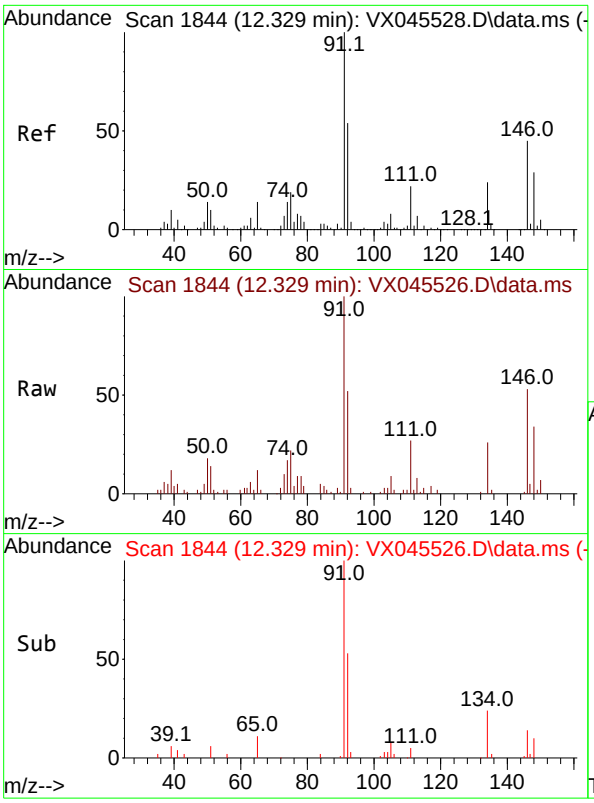


#88
1,4-Dichlorobenzene
Concen: 5.047 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

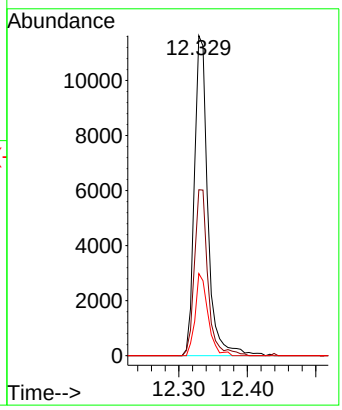




#89
n-Butylbenzene
Concen: 4.317 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion: 91 Resp: 1588

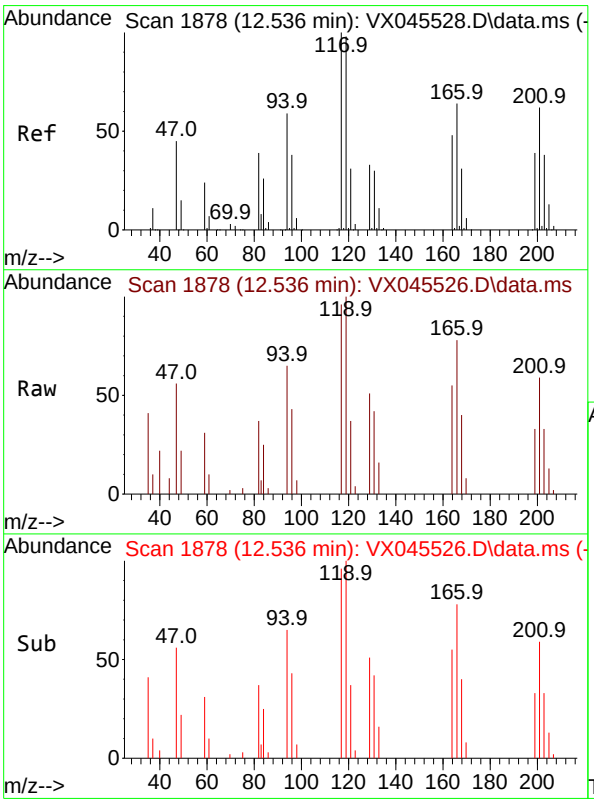
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.9	80.6
134	24.4	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

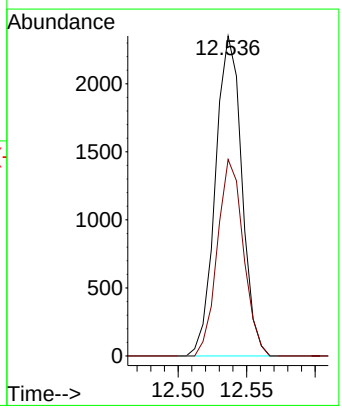
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

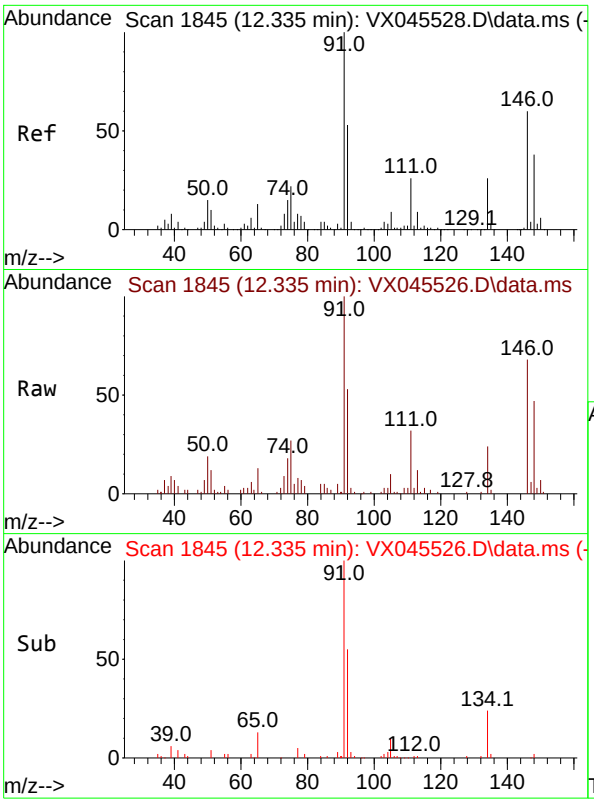


#90
Hexachloroethane
Concen: 4.320 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:117 Resp: 3151

Ion	Ratio	Lower	Upper
117	100		
201	60.6	31.2	93.6

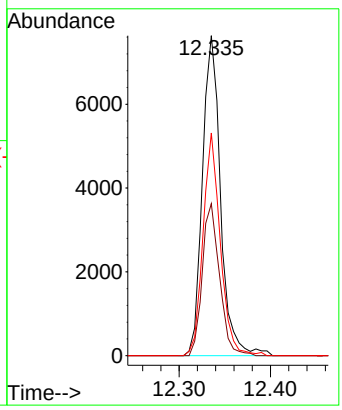




#91
1,2-Dichlorobenzene
Concen: 4.910 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:146 Resp: 1051

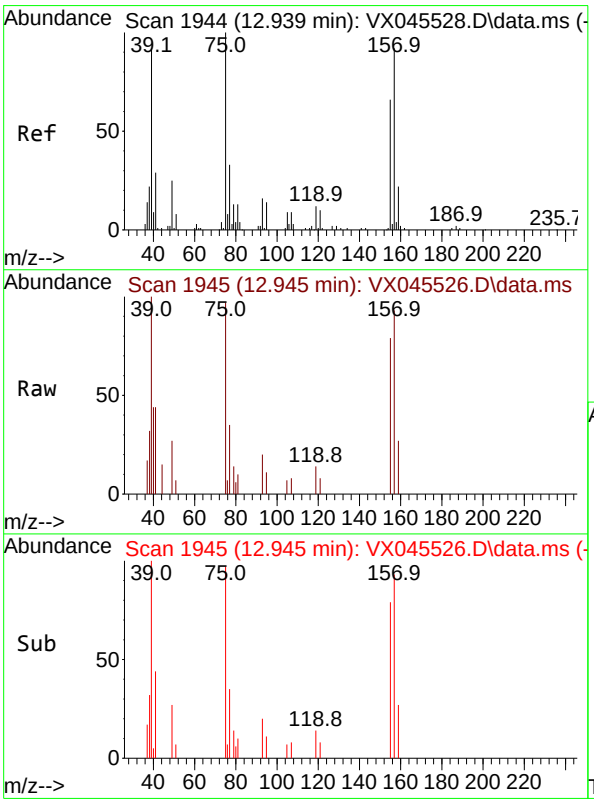
Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.8
148	66.3	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

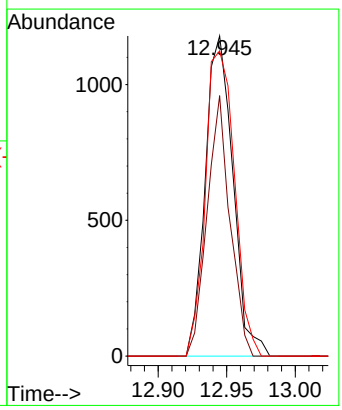
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

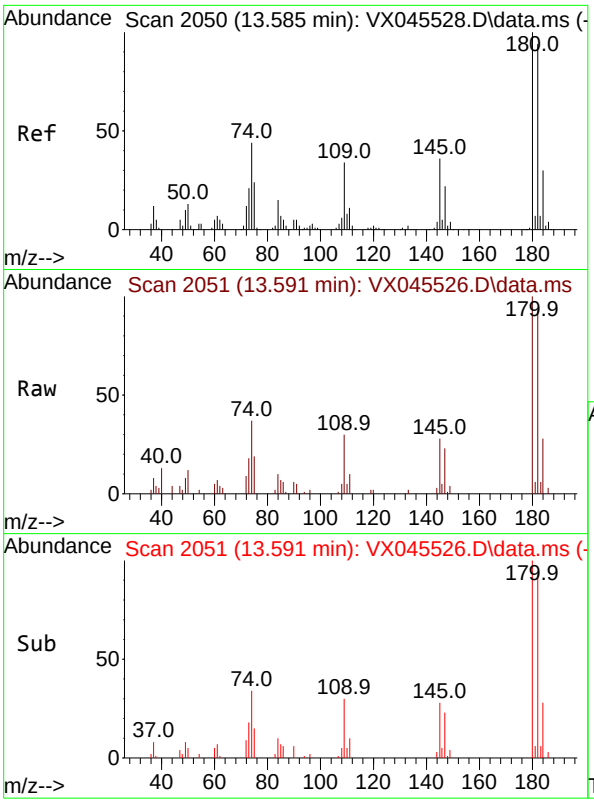


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.417 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

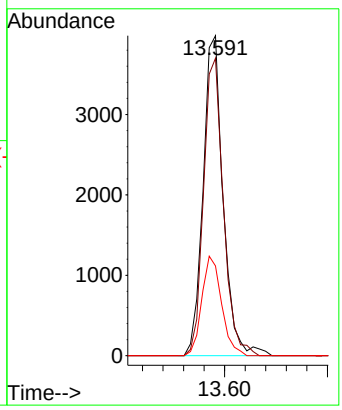




#93
1,2,4-Trichlorobenzene
Concen: 4.524 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:180 Resp: 539

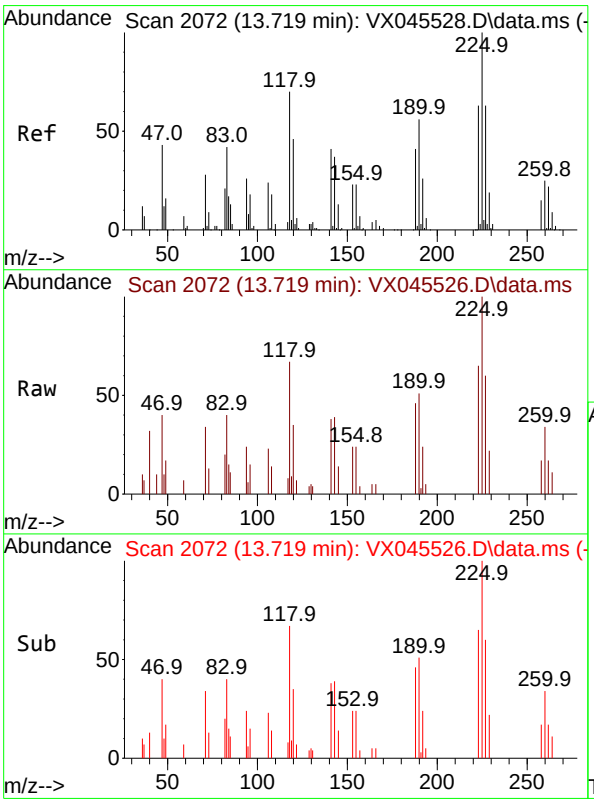
Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.9	143.6
145	30.7	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

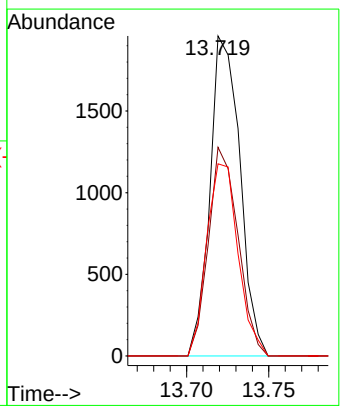
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

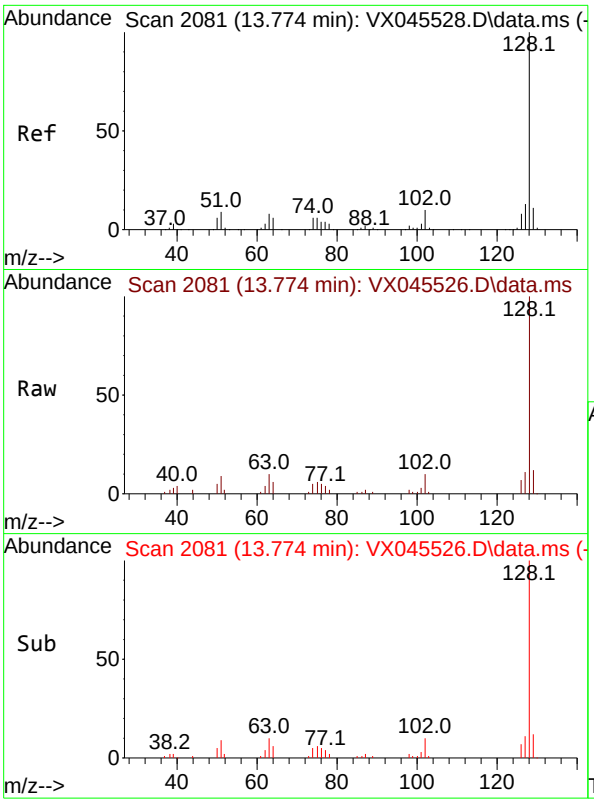


#94
Hexachlorobutadiene
Concen: 4.836 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

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

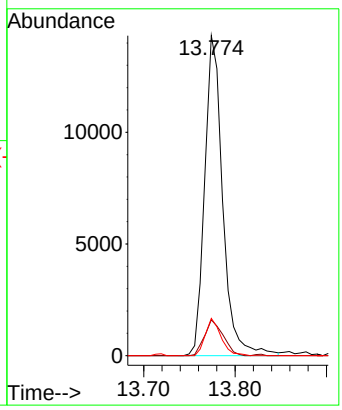




#95
Naphthalene
Concen: 4.424 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045526.D
Acq: 01 Apr 2025 17:29

Tgt Ion:128 Resp: 1961

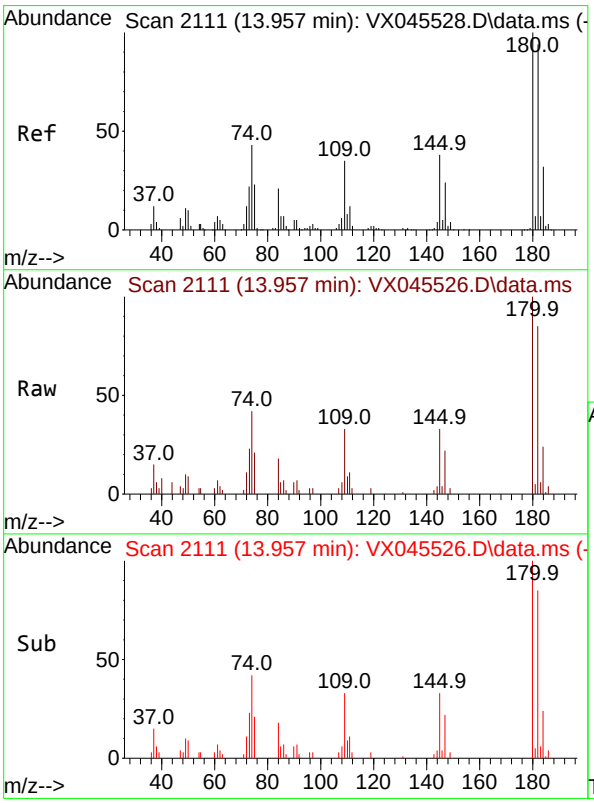
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.3	15.5
129	10.2	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

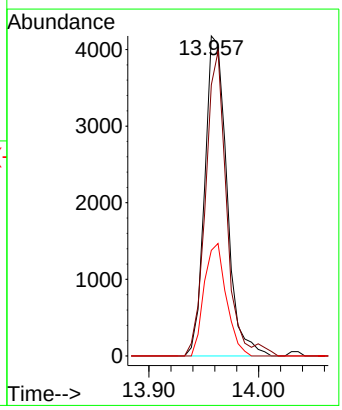
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#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

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

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

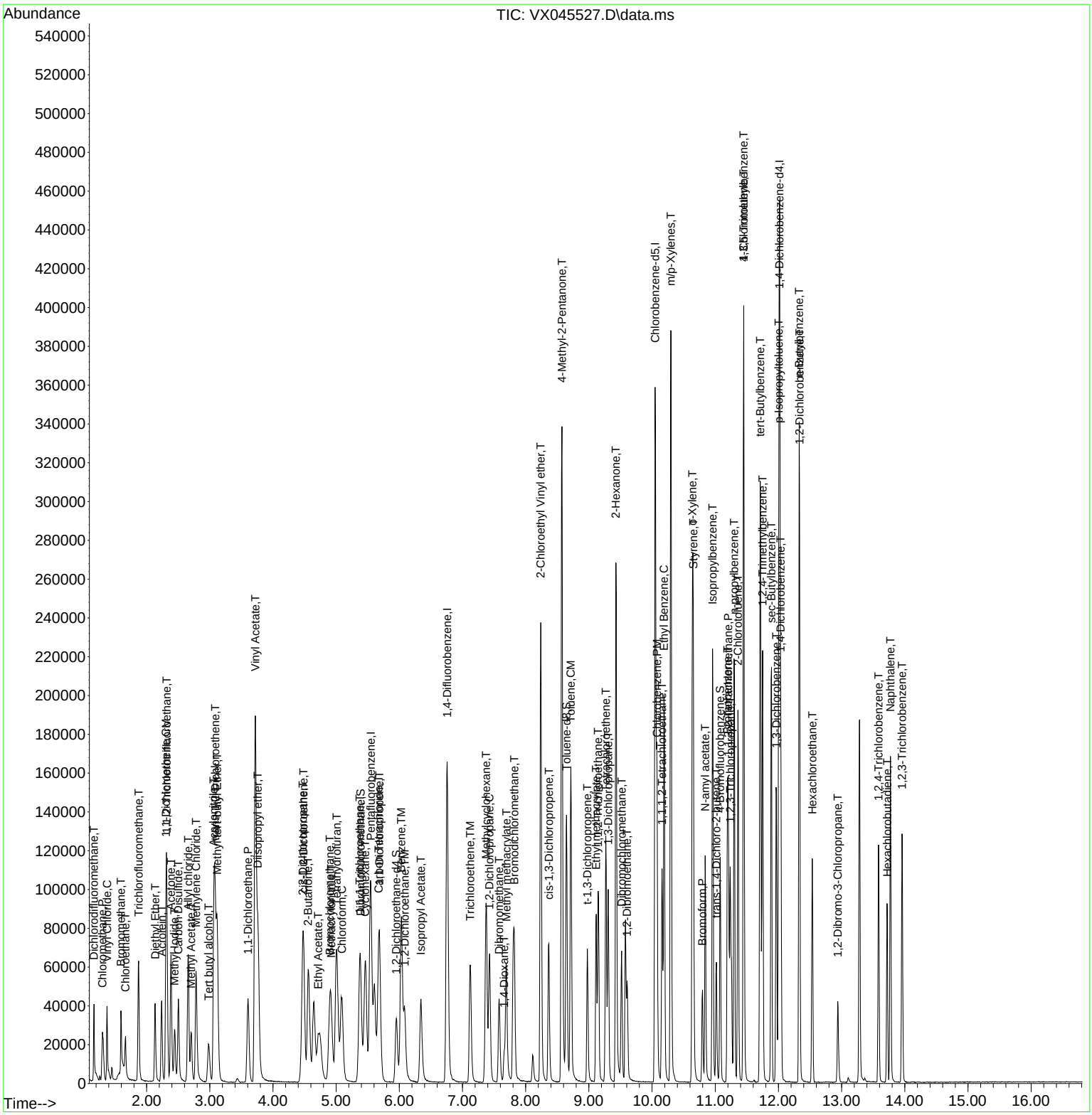
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

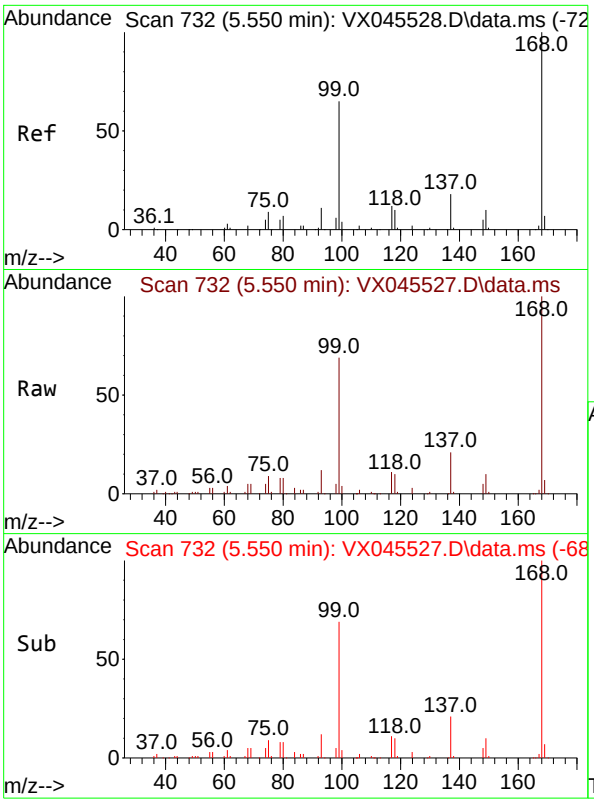
Quant Time: Apr 02 02:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

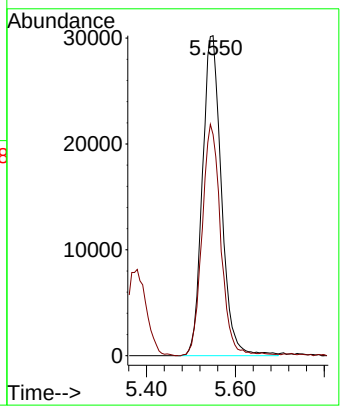




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:168 Resp: 9022

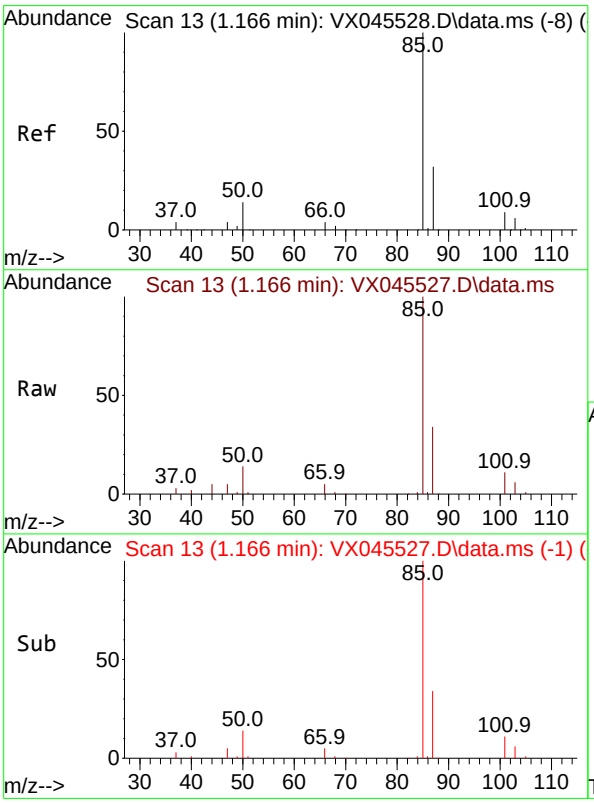
Ion	Ratio	Lower	Upper
168	100		
99	69.1	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

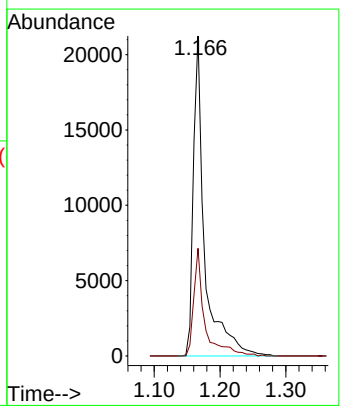
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

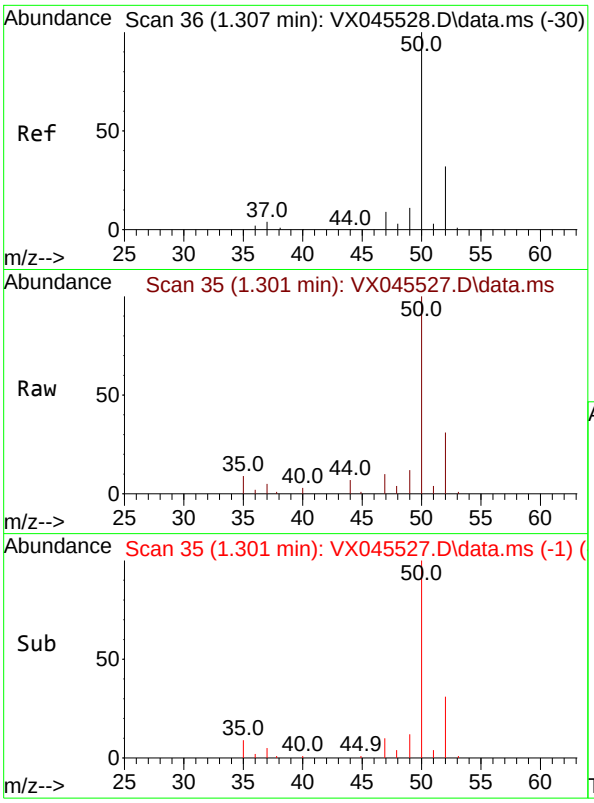


#2
Dichlorodifluoromethane
Concen: 18.724 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 85 Resp: 25265

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.1	48.2

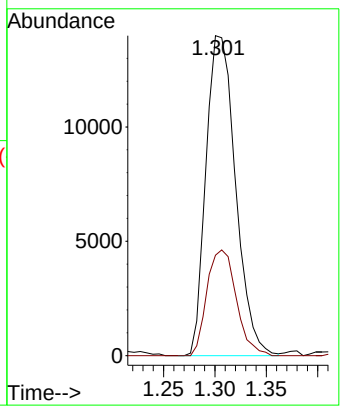




#3
Chloromethane
Concen: 20.223 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 50 Resp: 2803

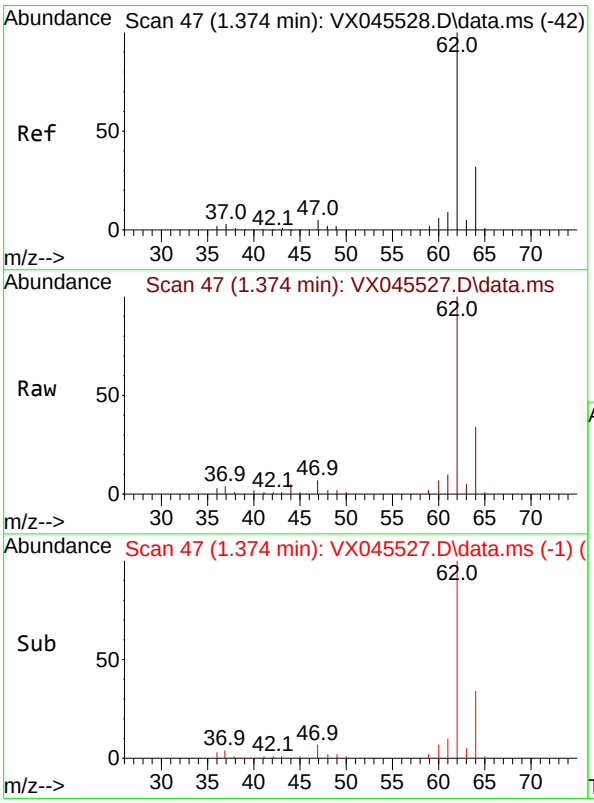
Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

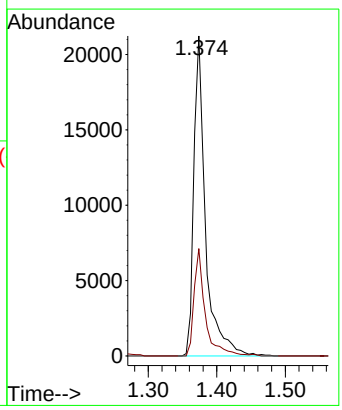
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

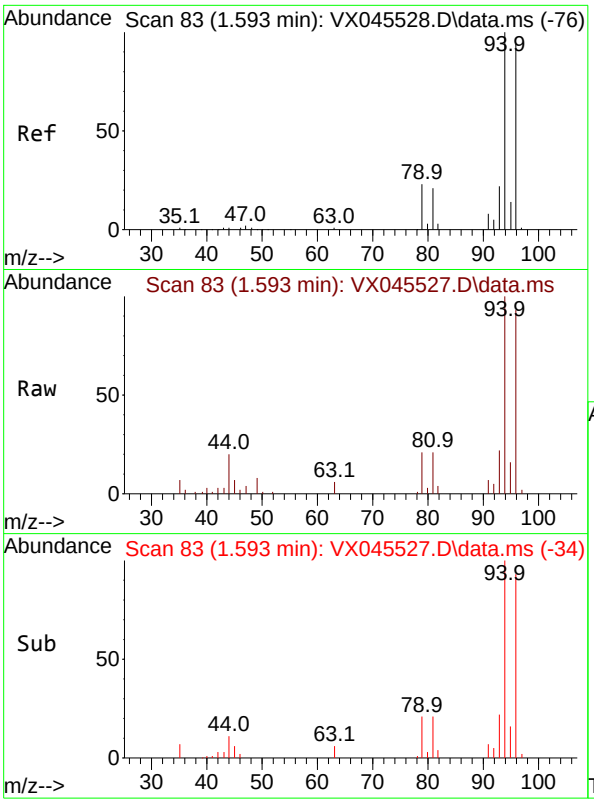


#4
Vinyl Chloride
Concen: 19.931 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 62 Resp: 25285

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.5	38.3

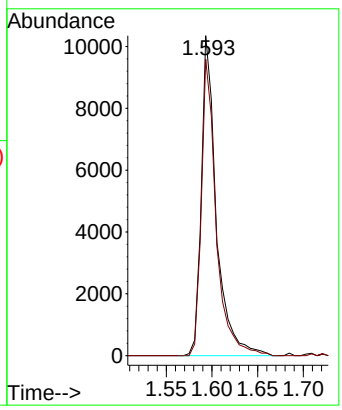




#5
Bromomethane
Concen: 19.642 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 94 Resp: 1181

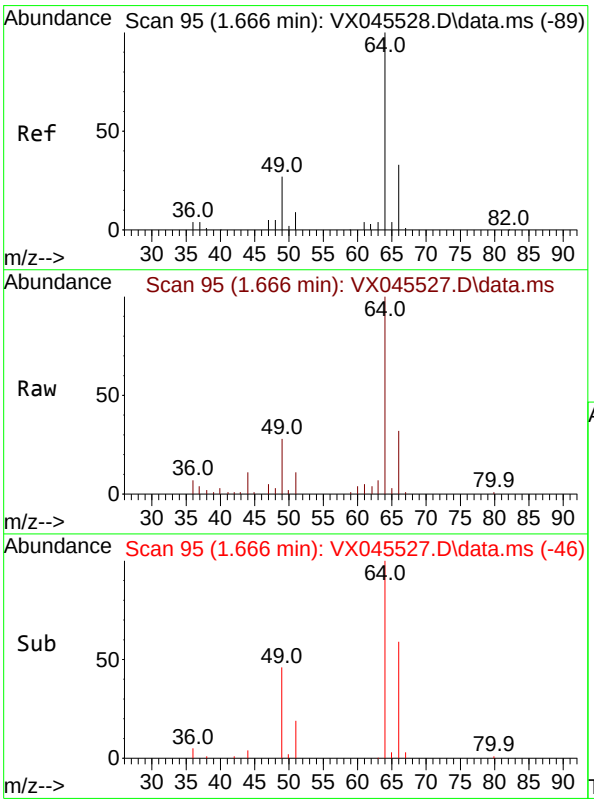
Ion	Ratio	Lower	Upper
94	100		
96	92.7	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

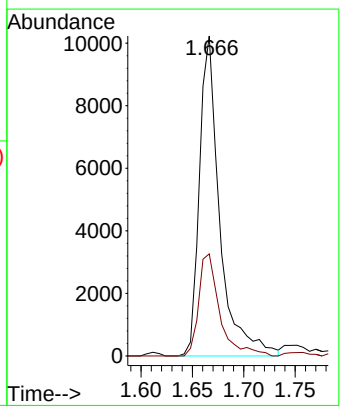
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

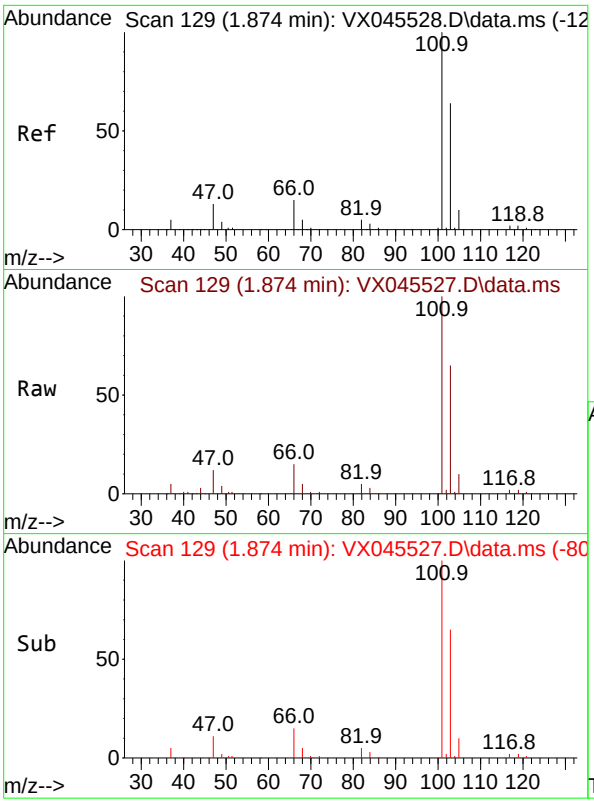


#6
Chloroethane
Concen: 20.905 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 64 Resp: 14071

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.3	39.5

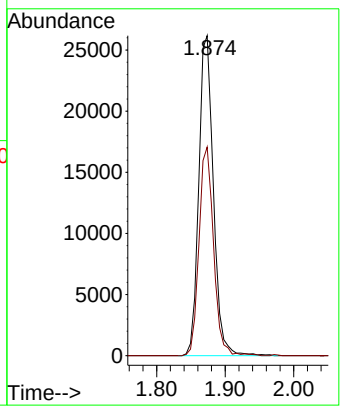




#7
Trichlorofluoromethane
Concen: 20.518 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:101 Resp: 3881

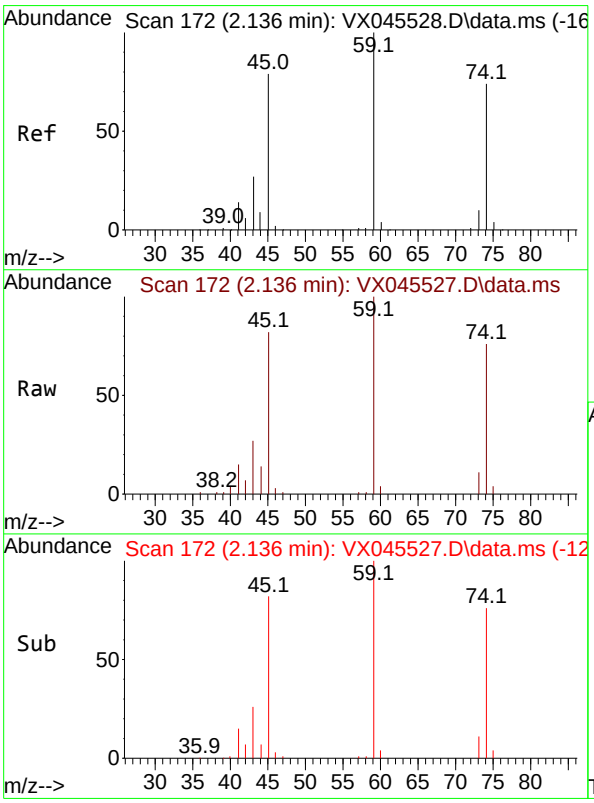
Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

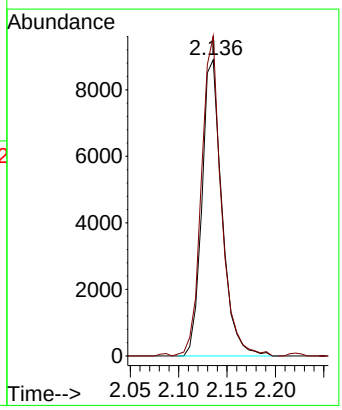
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

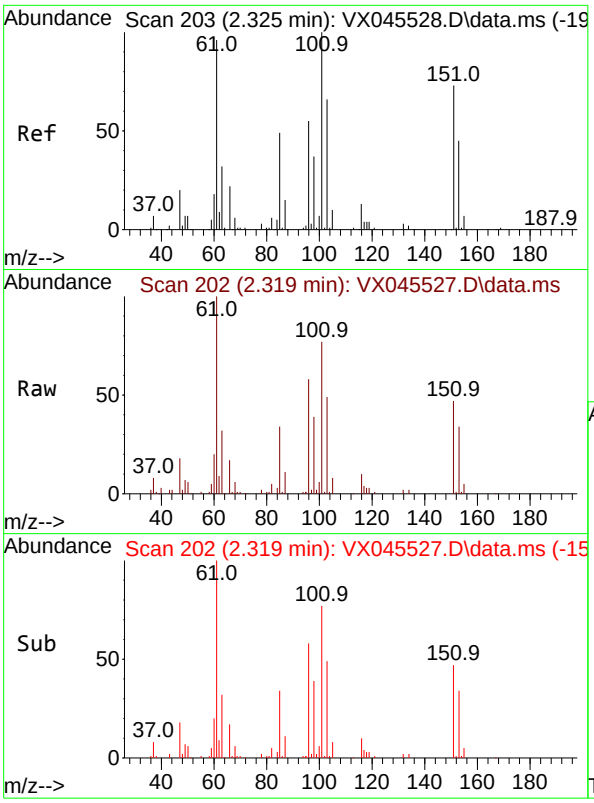


#8
Diethyl Ether
Concen: 20.235 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 74 Resp: 12852

Ion	Ratio	Lower	Upper
74	100		
45	107.6	53.0	159.1

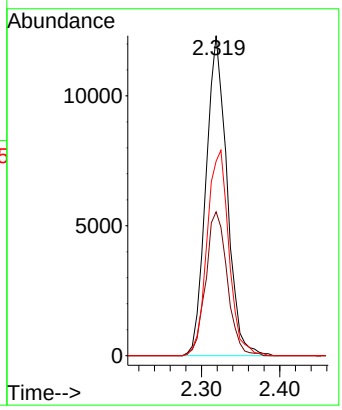




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.673 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:101 Resp: 2291

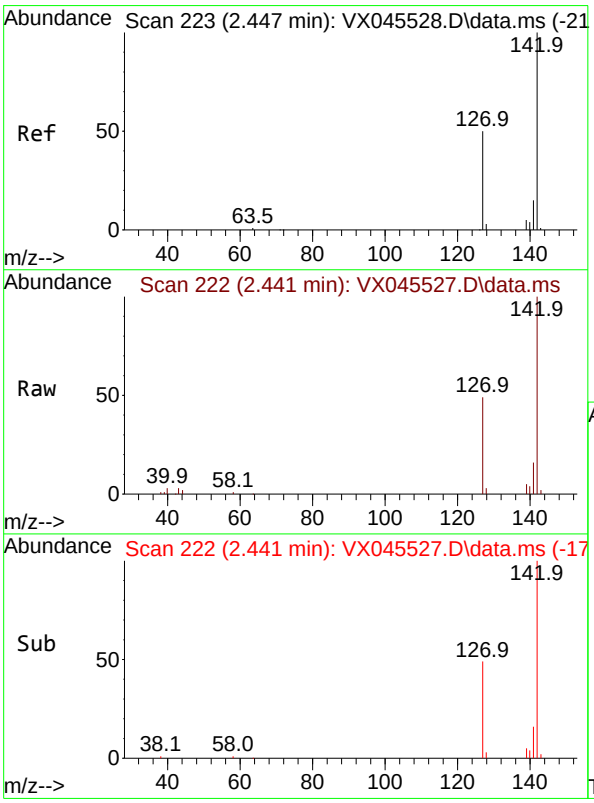
Ion	Ratio	Lower	Upper
101	100		
85	46.2	38.9	58.3
151	66.8	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

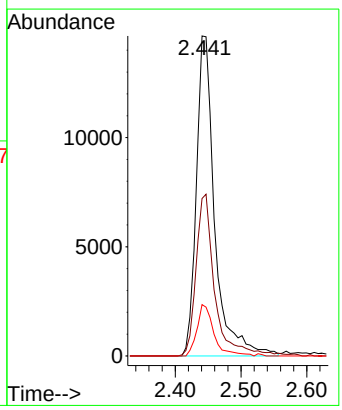
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

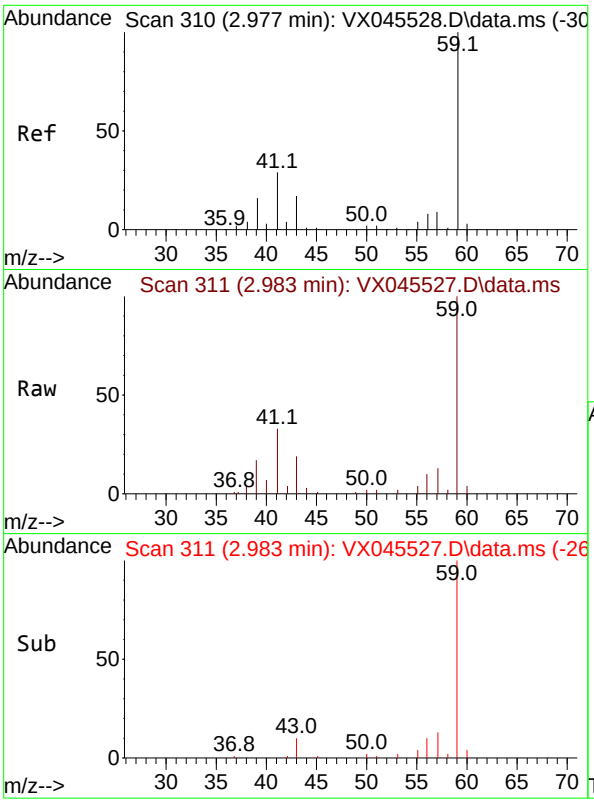


#10
Methyl Iodide
Concen: 20.596 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

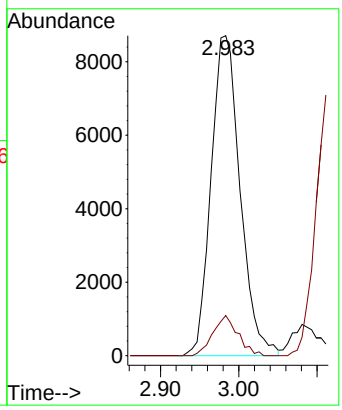




#11
Tert butyl alcohol
Concen: 101.253 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 59 Resp: 2245

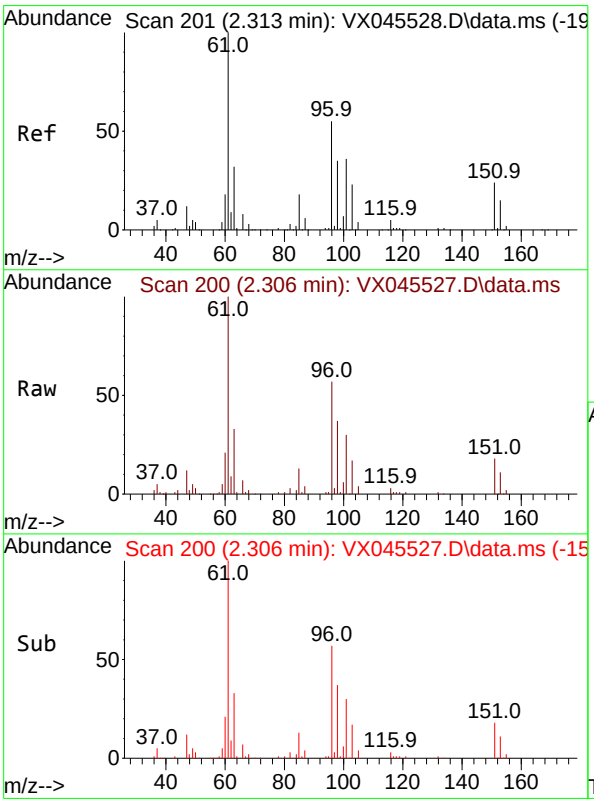
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

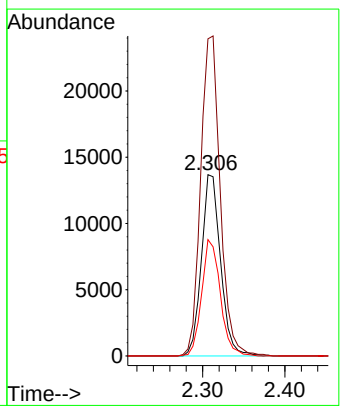
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

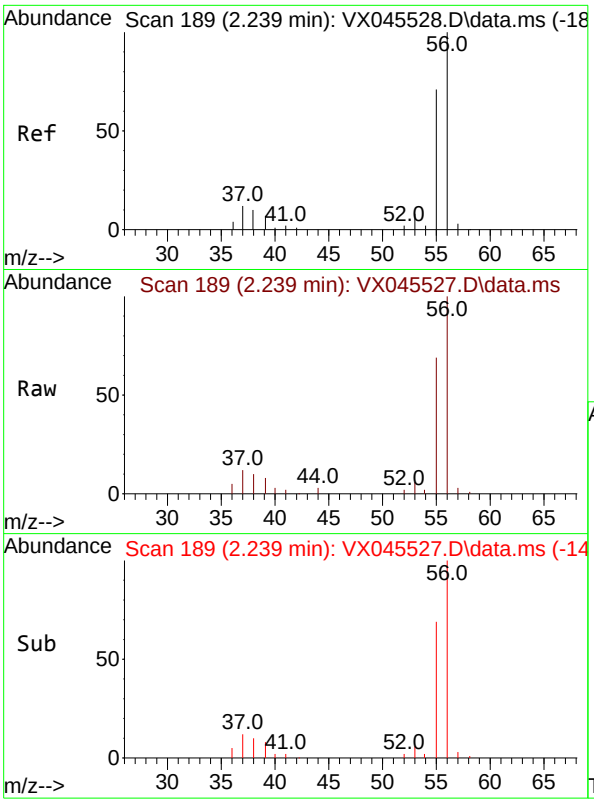


#12
1,1-Dichloroethene
Concen: 20.406 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

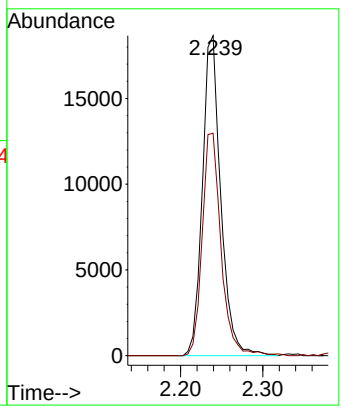




#13
Acrolein
Concen: 94.938 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 56 Resp: 2899

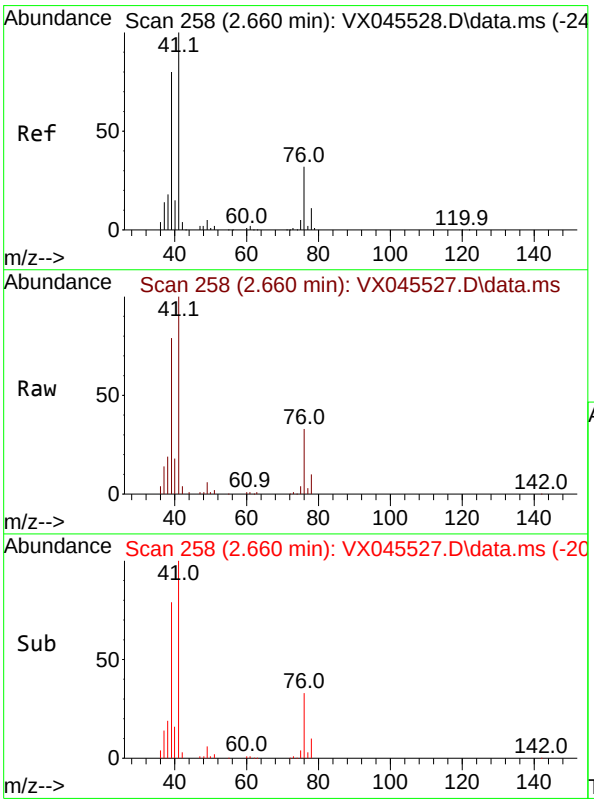
Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

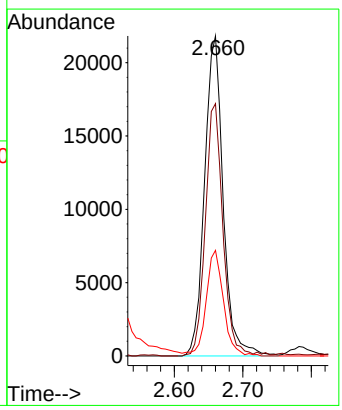
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

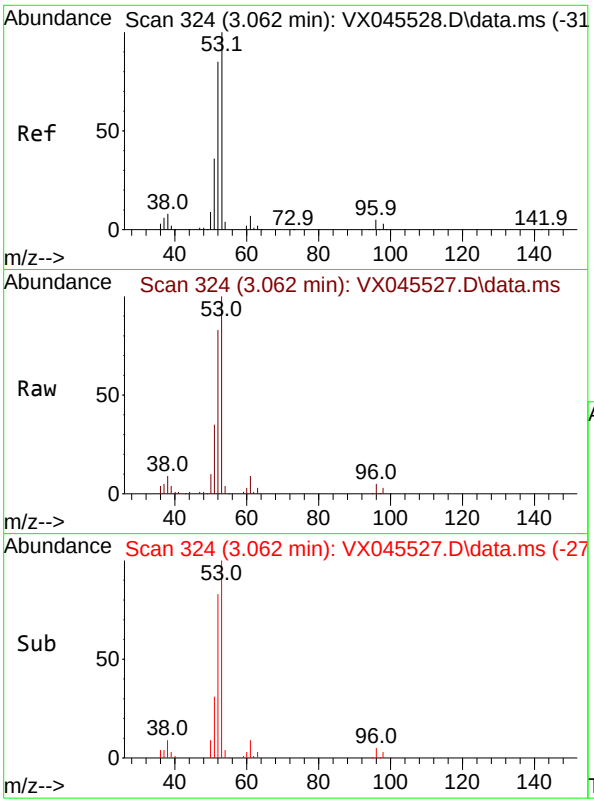


#14
Allyl chloride
Concen: 20.063 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

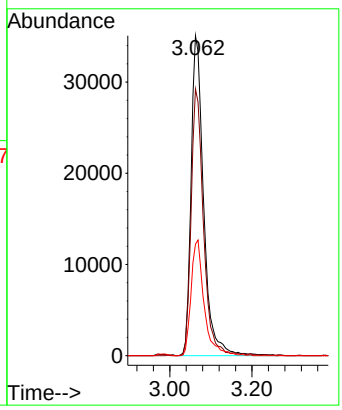




#15
Acrylonitrile
Concen: 106.412 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 53 Resp: 7448

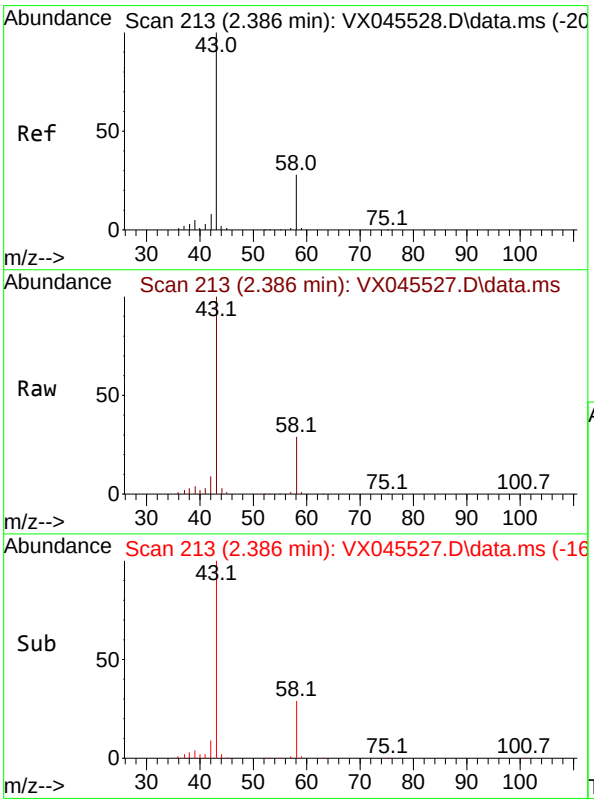
Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.4	101.2
51	37.6	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

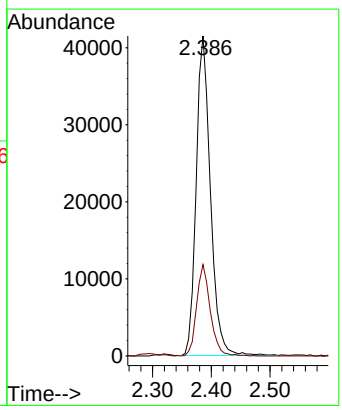
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

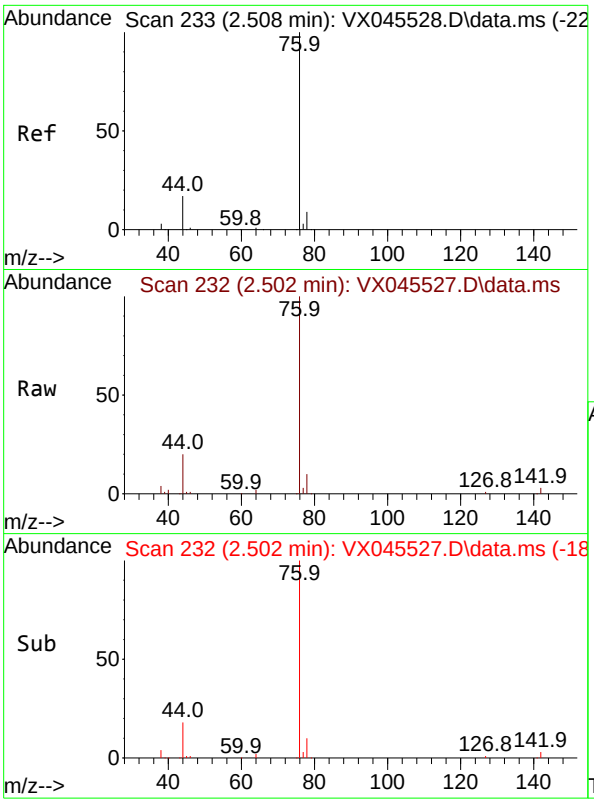


#16
Acetone
Concen: 103.000 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

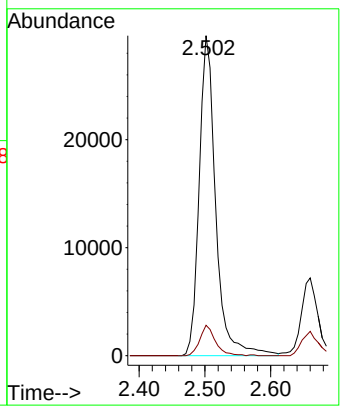
Tgt Ion: 76 Resp: 5177

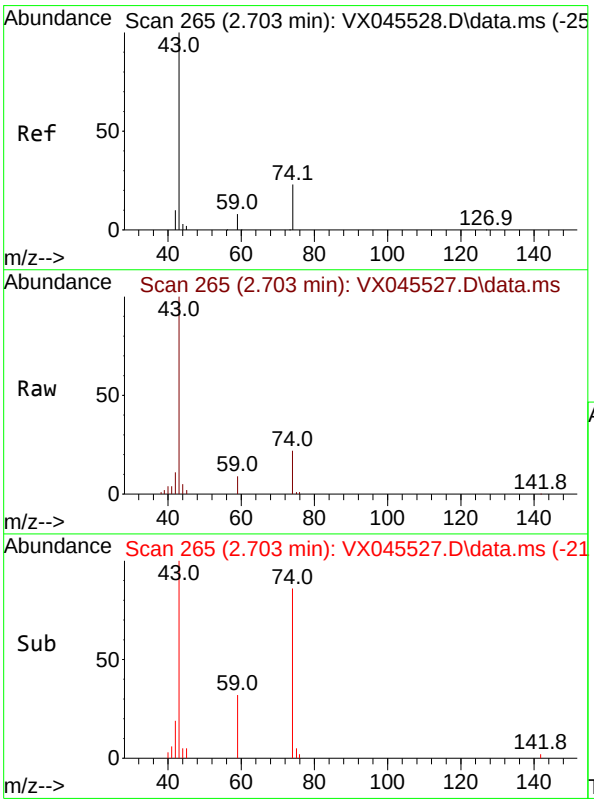
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

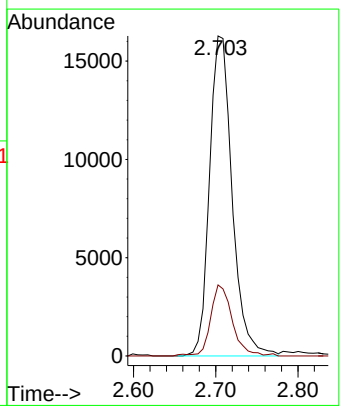


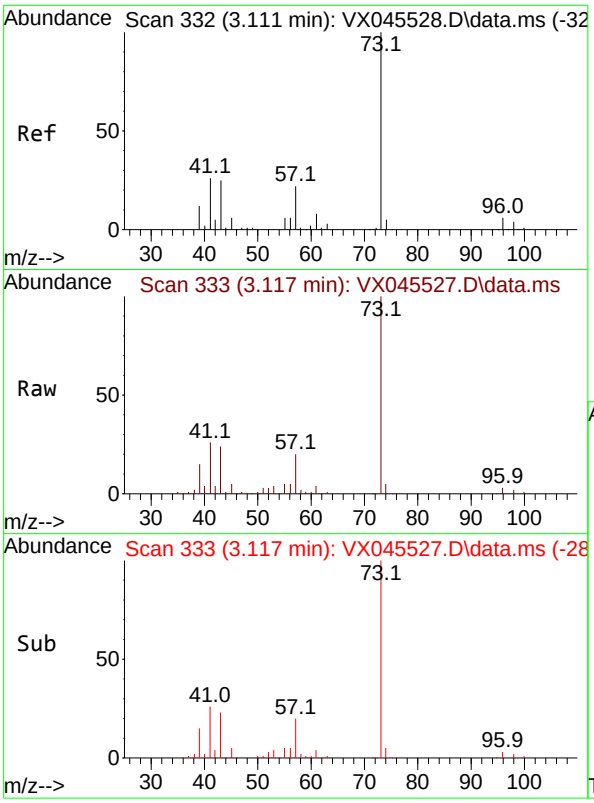


#18
Methyl Acetate
Concen: 19.994 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 31190

Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.5	26.3

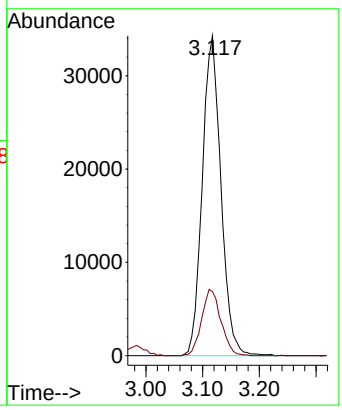




#19
Methyl tert-butyl Ether
Concen: 20.660 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 73 Resp: 7828

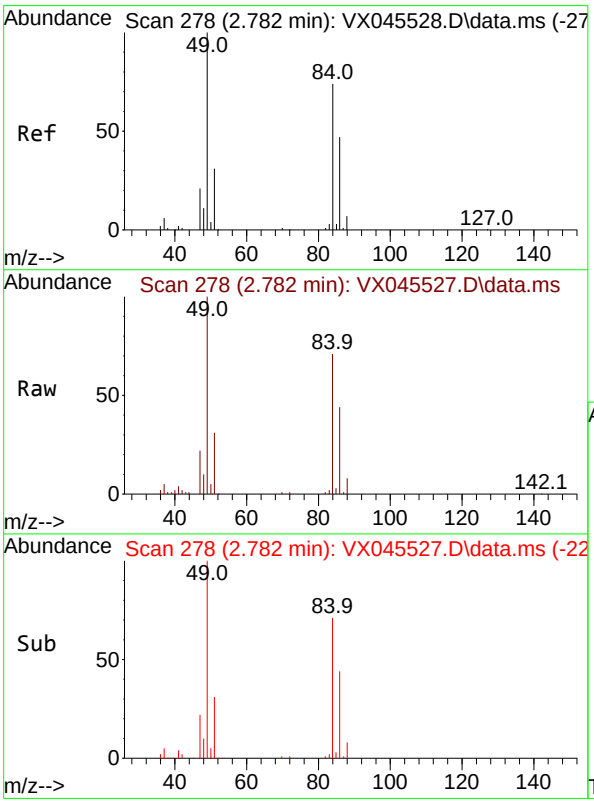
Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

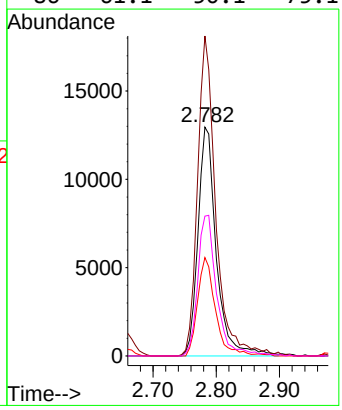
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

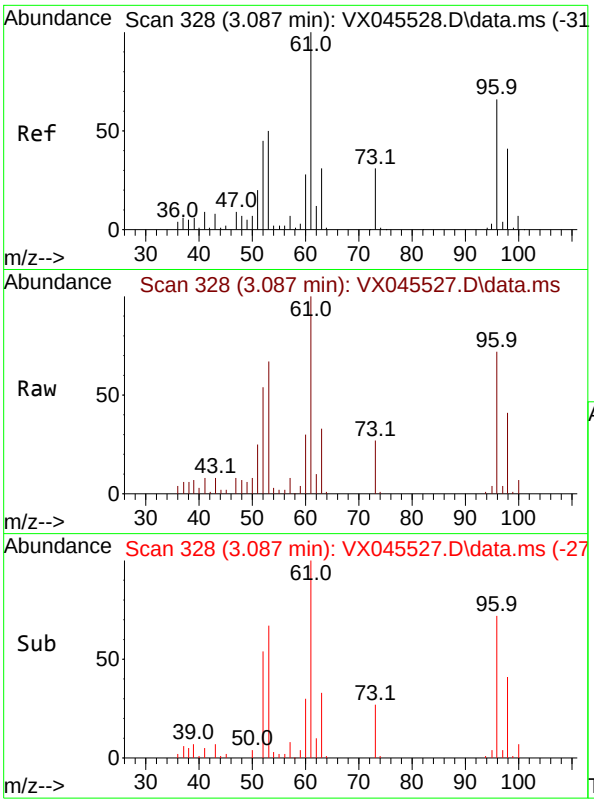


#20
Methylene Chloride
Concen: 20.664 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

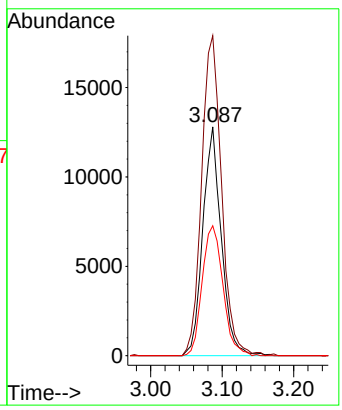




#21
trans-1,2-Dichloroethene
Concen: 20.755 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 96 Resp: 2296

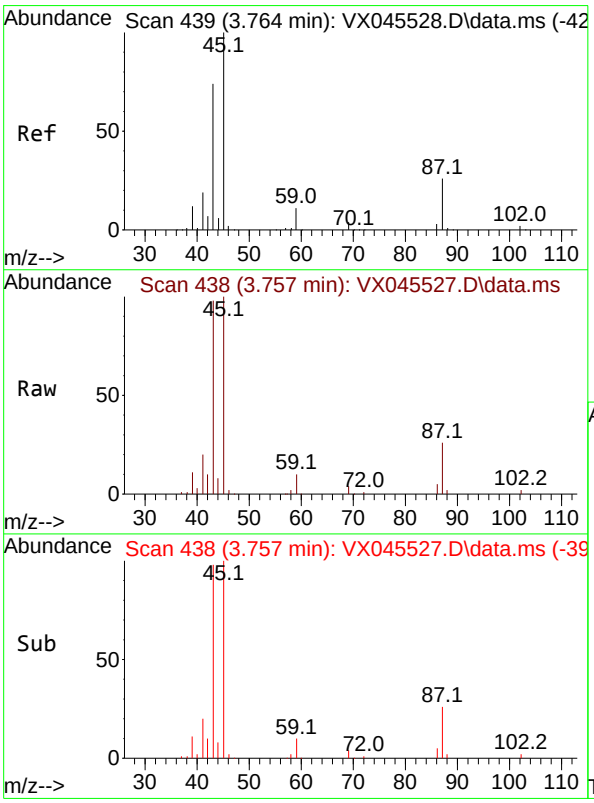
Ion	Ratio	Lower	Upper
96	100		
61	139.8	121.0	181.6
98	56.7	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

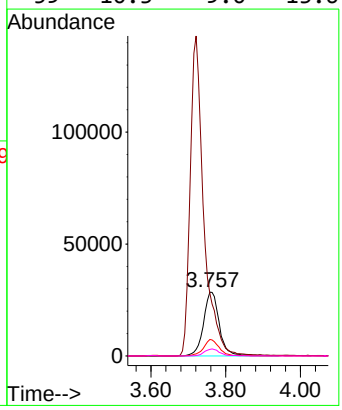
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

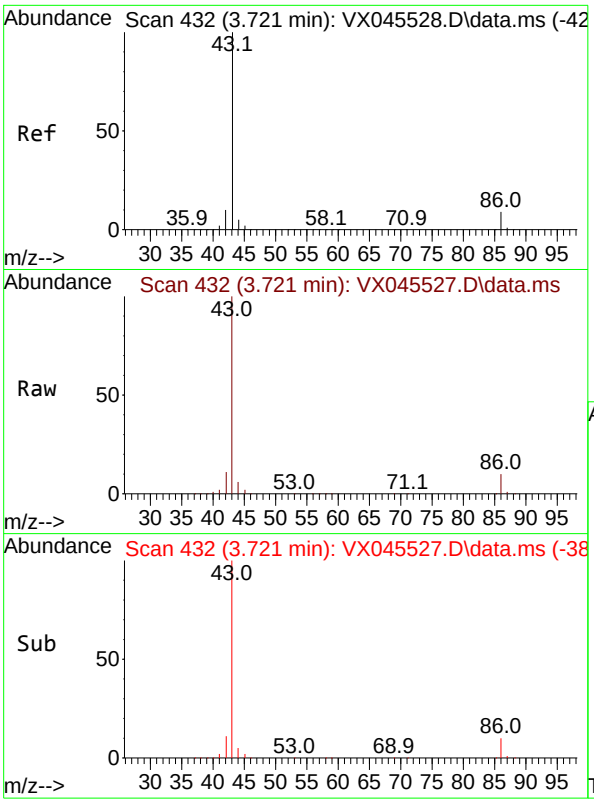


#22
Diisopropyl ether
Concen: 20.760 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

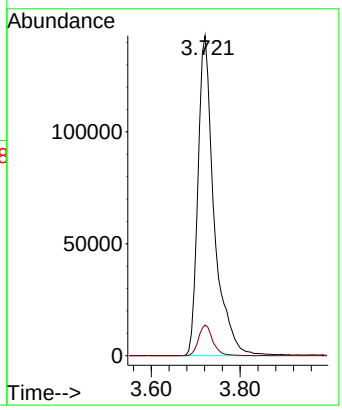
Tgt Ion: 43 Resp: 36188

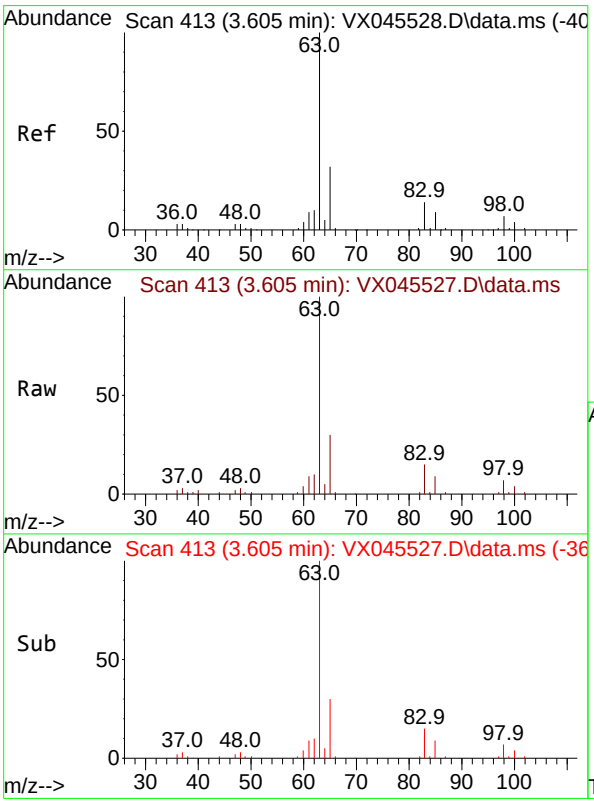
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

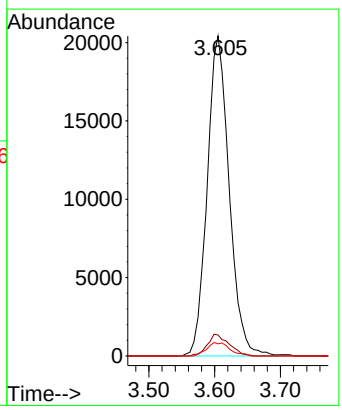


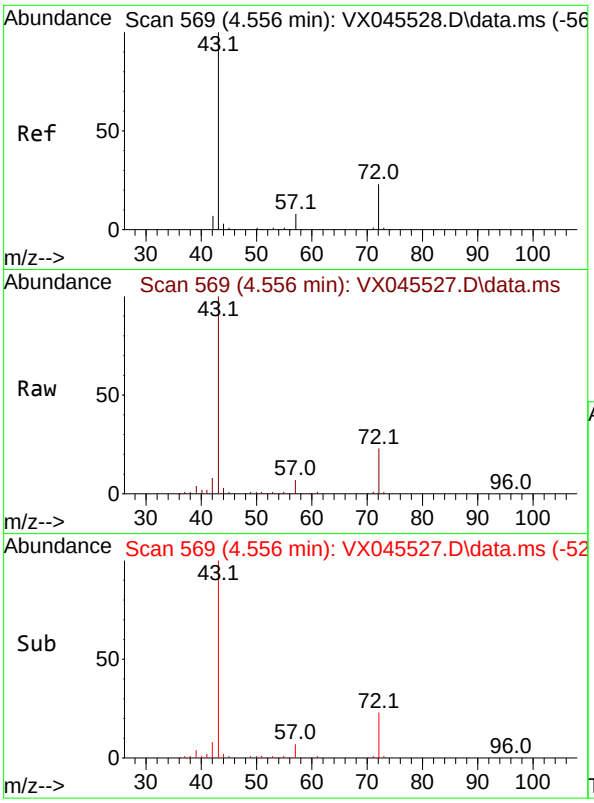


#24
1,1-Dichloroethane
Concen: 20.772 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

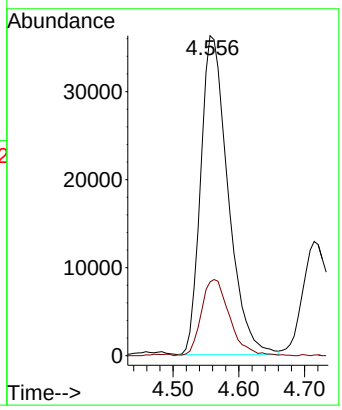




#25
2-Butanone
Concen: 105.931 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 10506

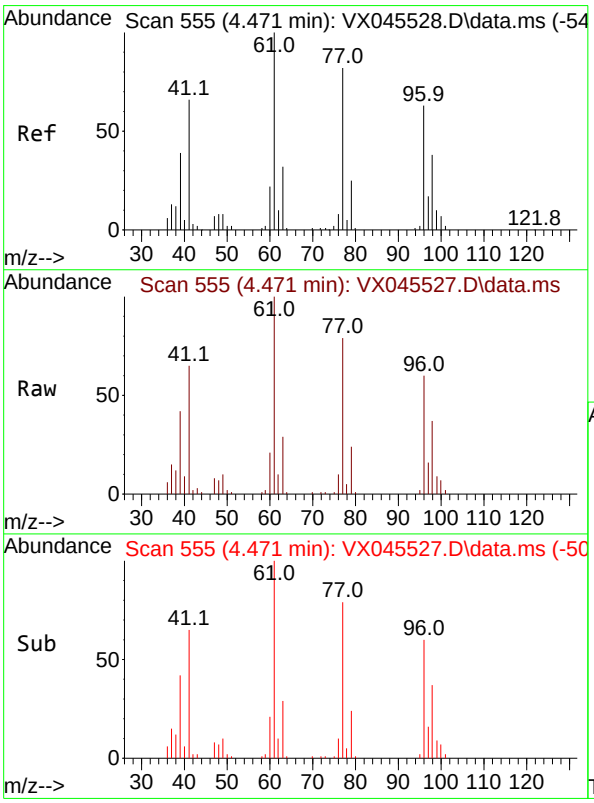
Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

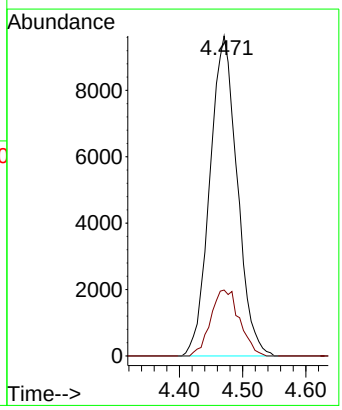
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

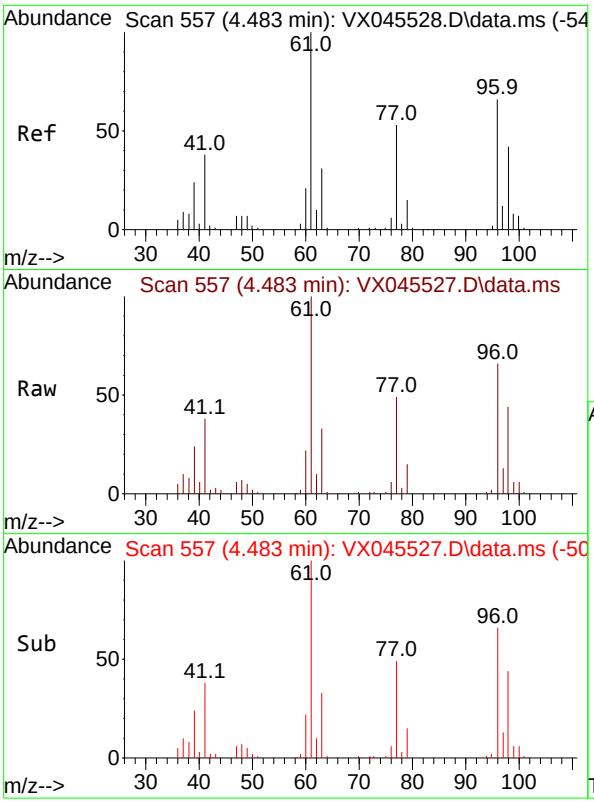


#26
2,2-Dichloropropane
Concen: 19.574 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 77 Resp: 28956

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.6	31.8

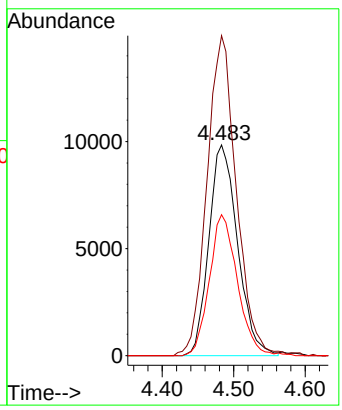




#27
cis-1,2-Dichloroethene
Concen: 20.342 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 96 Resp: 2742

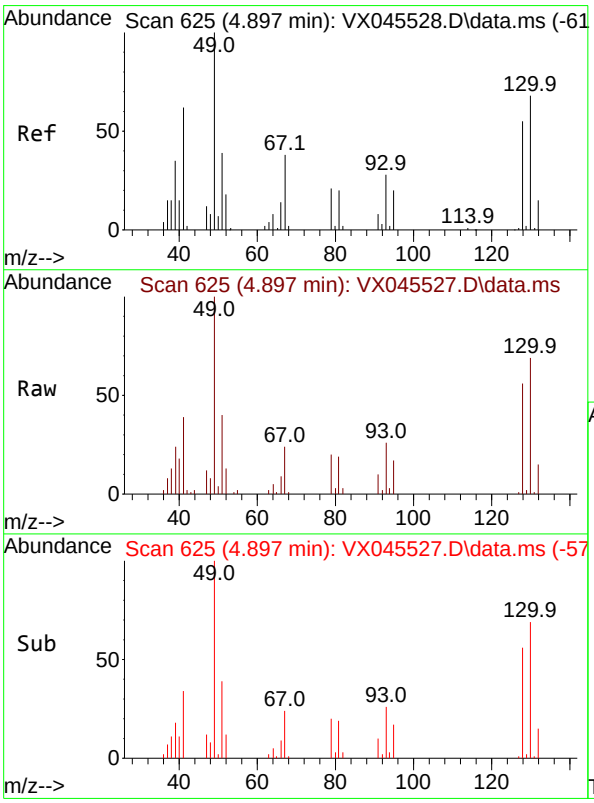
Ion	Ratio	Lower	Upper
96	100		
61	155.2	0.0	313.2
98	65.5	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

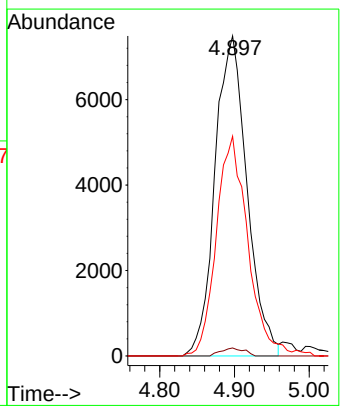
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

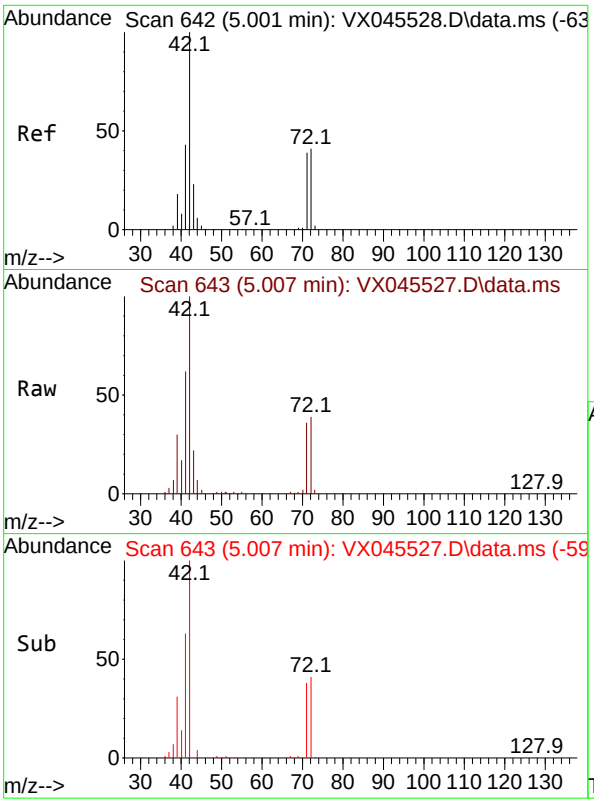


#28
Bromochloromethane
Concen: 20.141 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

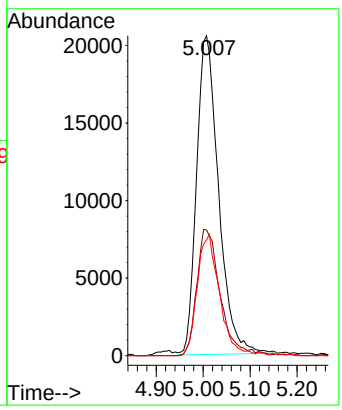
Tgt Ion: 42 Resp: 6699

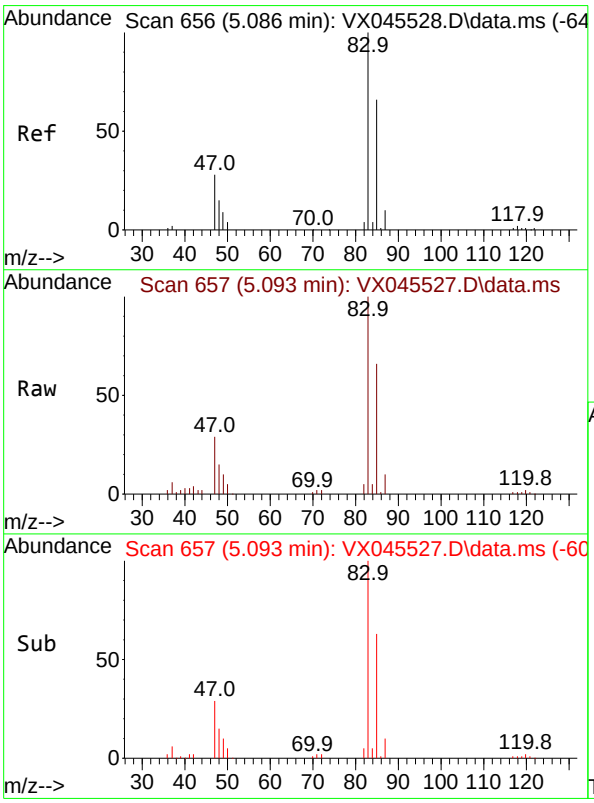
Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.4	50.0
71	38.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

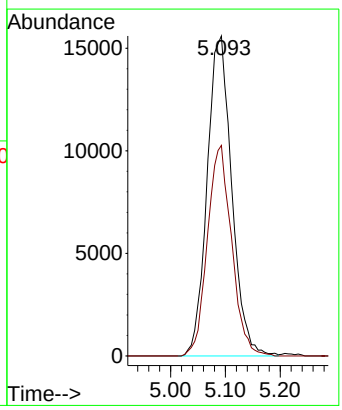


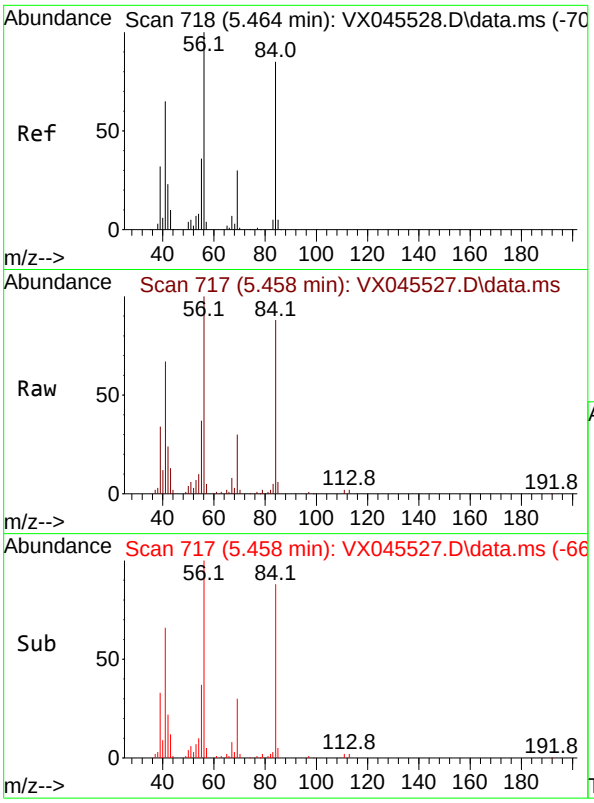


#30
Chloroform
Concen: 20.646 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 83 Resp: 48639

Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.8	79.2

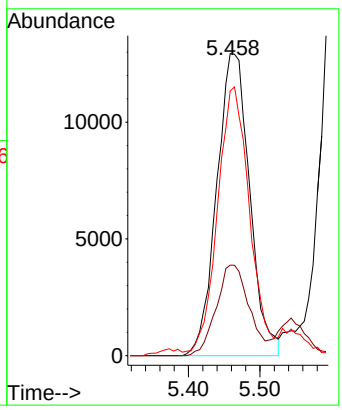




#31
Cyclohexane
Concen: 20.478 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 56 Resp: 4145

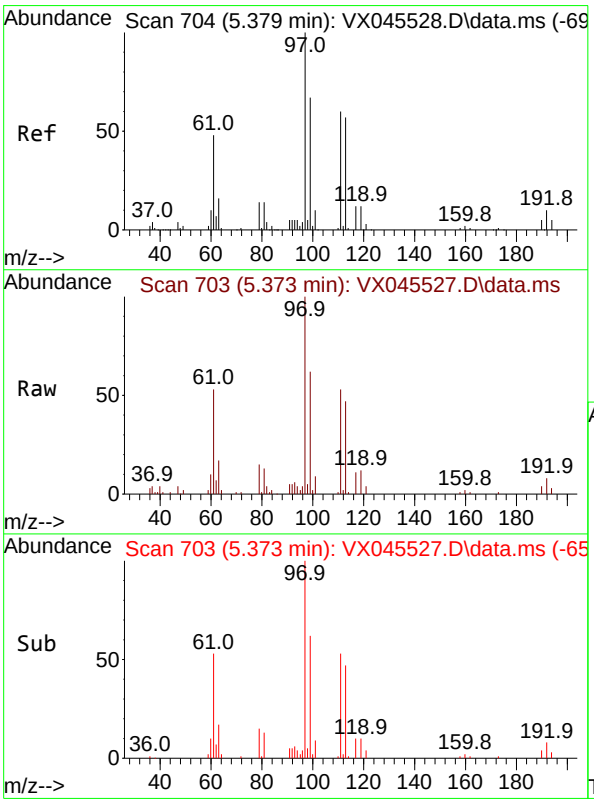
Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.6	35.4
84	85.5	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

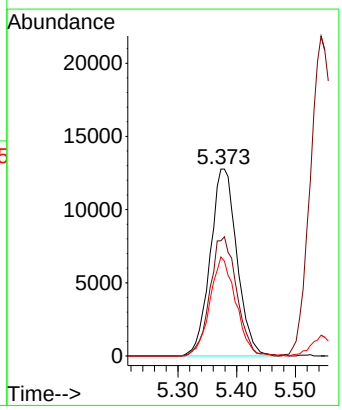
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

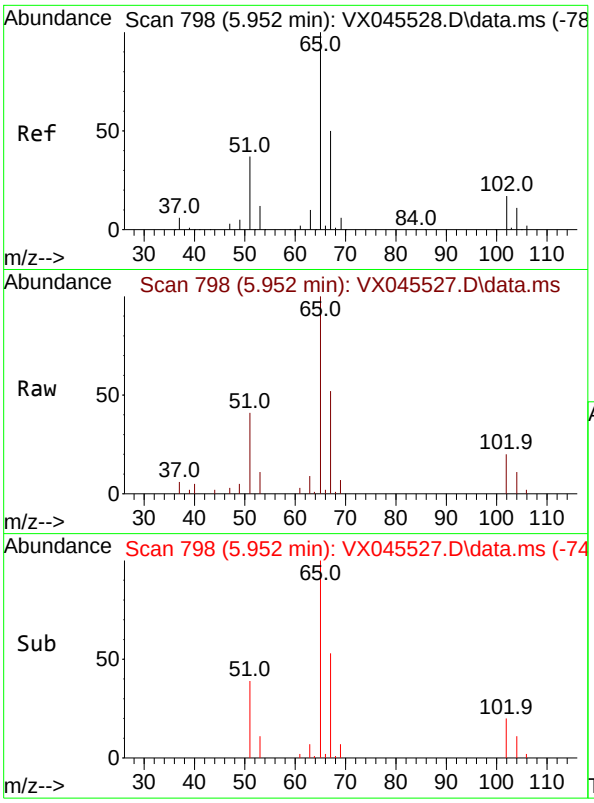


#32
1,1,1-Trichloroethane
Concen: 20.270 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

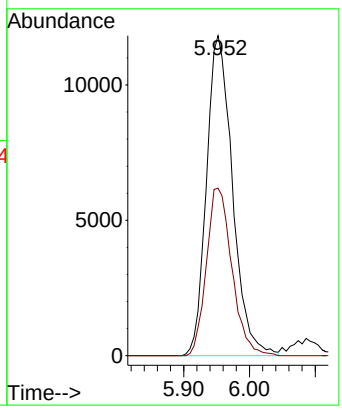




#33
1,2-Dichloroethane-d4
Concen: 19.697 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 65 Resp: 3250

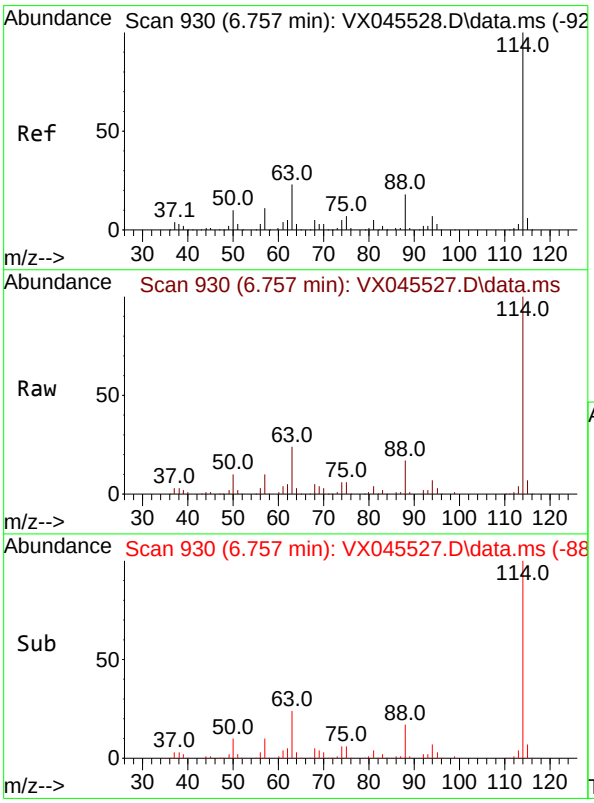
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

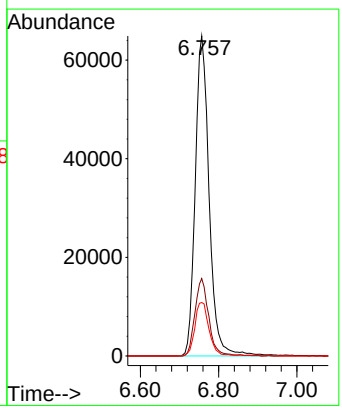
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

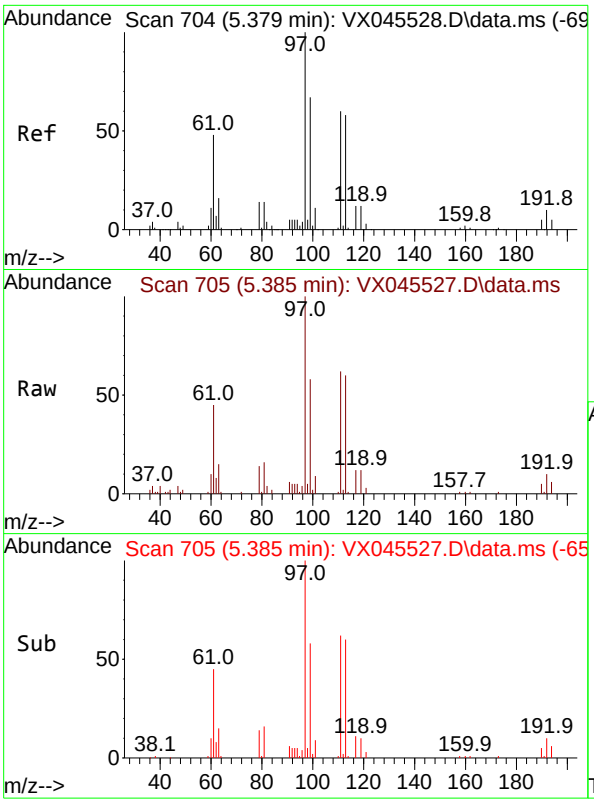


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

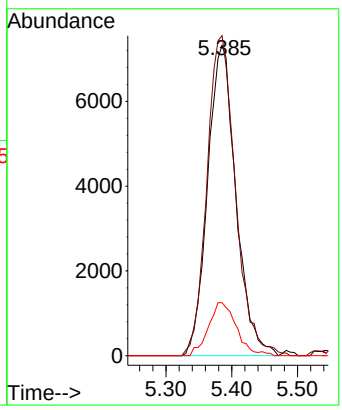




#35
Dibromofluoromethane
Concen: 19.256 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:113 Resp: 2196

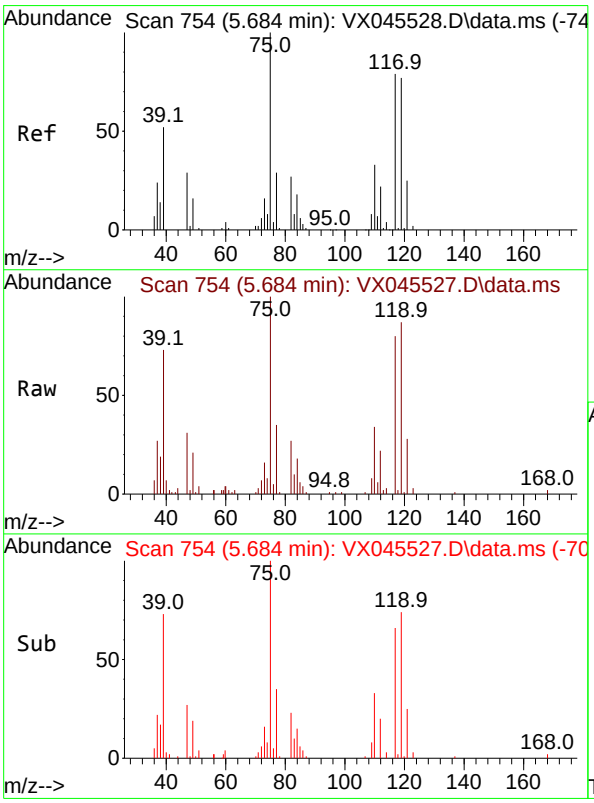
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.6
192	17.0	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

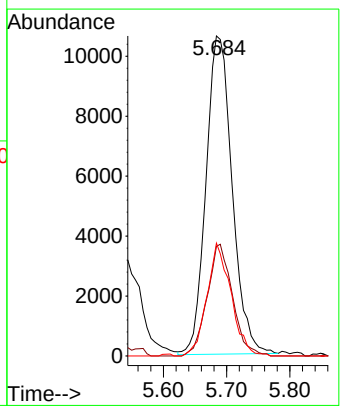
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

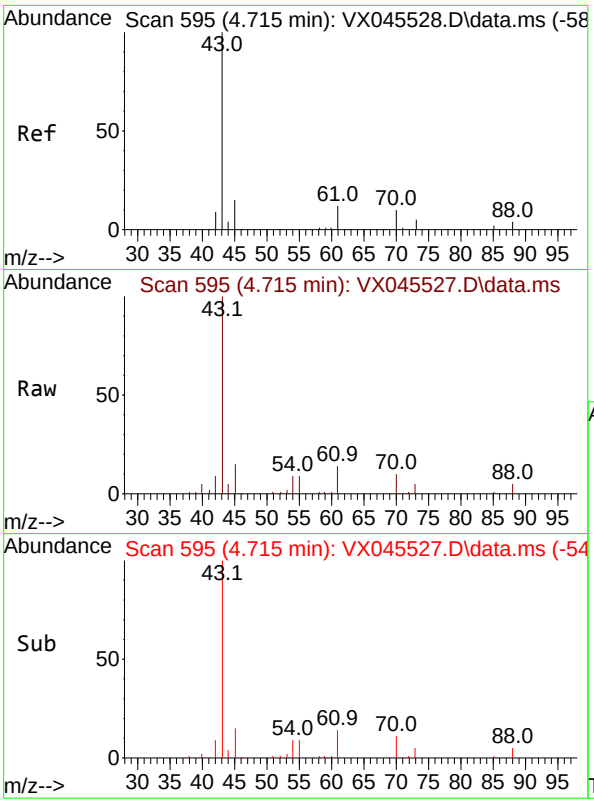


#36
1,1-Dichloropropene
Concen: 19.808 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

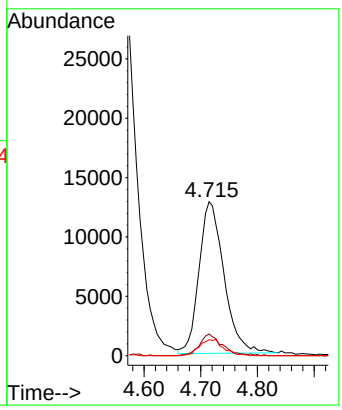
Tgt Ion: 43 Resp: 3916

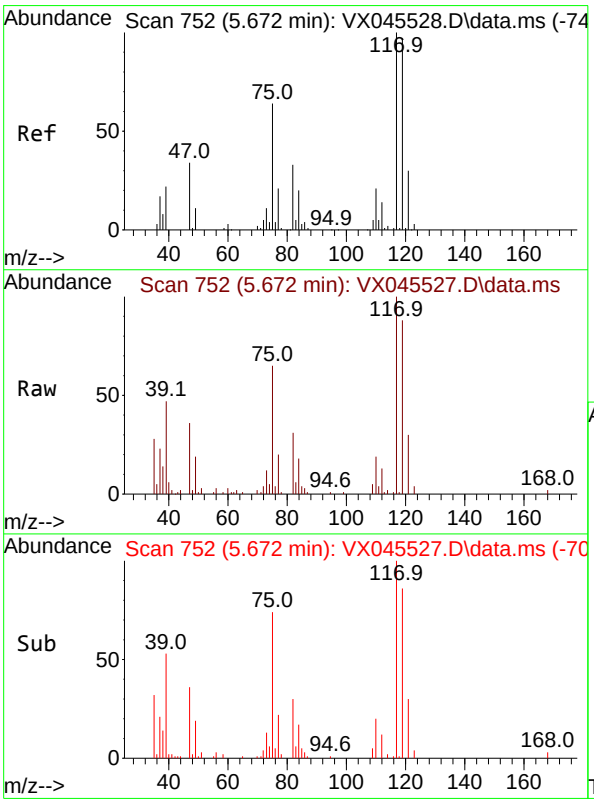
Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.9	14.9
70	10.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

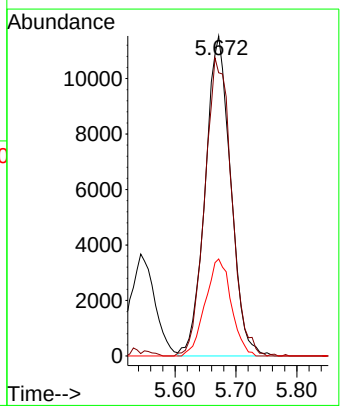


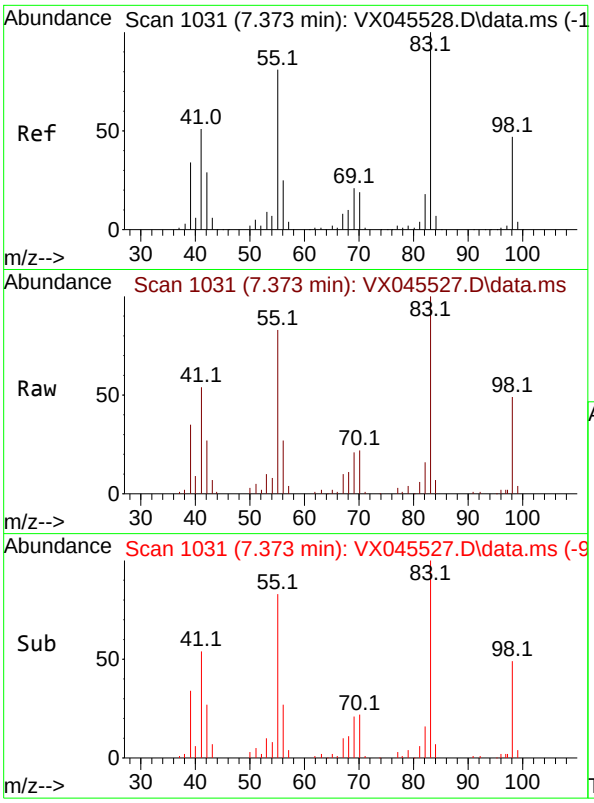


#38
Carbon Tetrachloride
Concen: 20.148 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

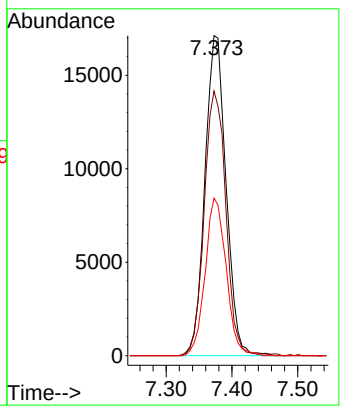




#39
Methylcyclohexane
Concen: 20.291 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 83 Resp: 3830

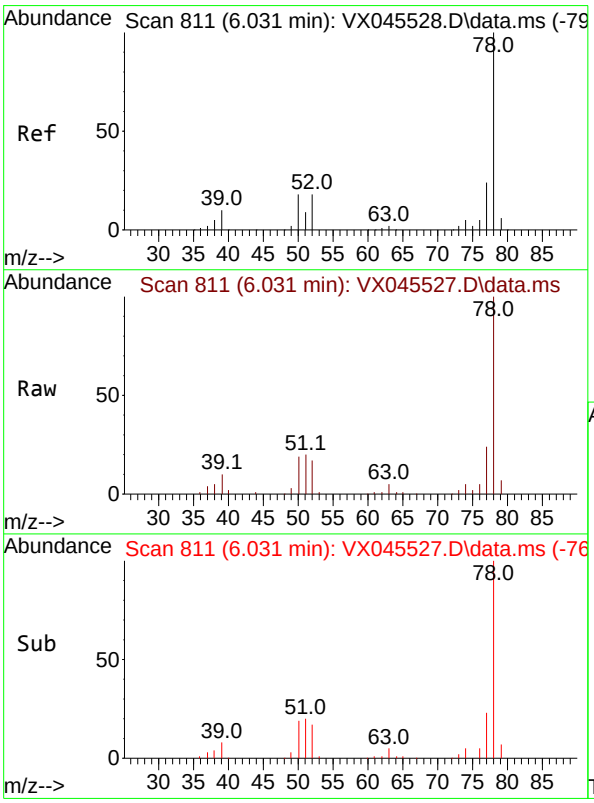
Ion	Ratio	Lower	Upper
83	100		
55	82.7	64.9	97.3
98	49.2	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

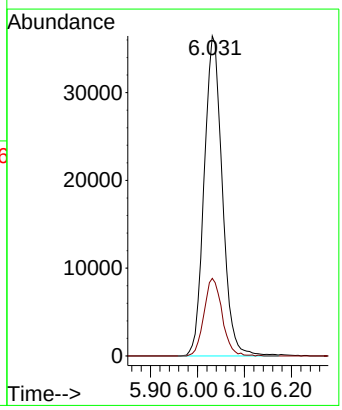
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

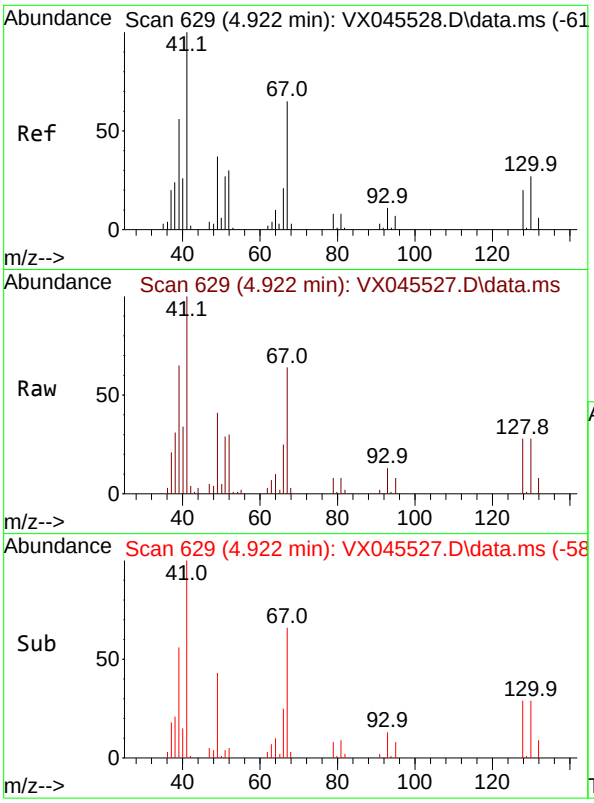


#40
Benzene
Concen: 20.766 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 78 Resp: 97667

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6

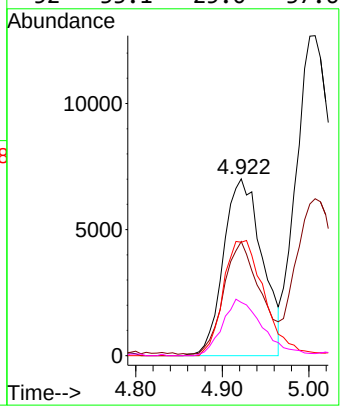




#41
Methacrylonitrile
Concen: 21.046 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 41 Resp: 2174

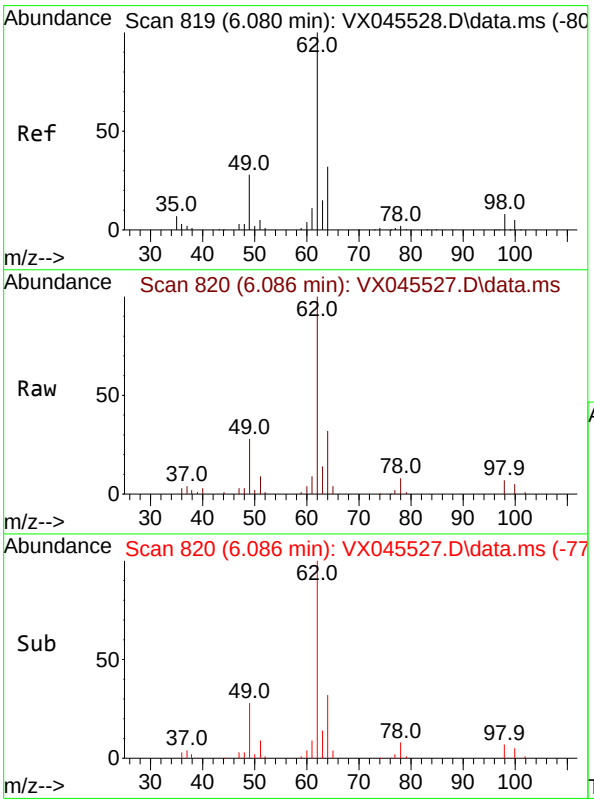
Ion	Ratio	Lower	Upper
41	100		
39	60.3	47.0	70.6
67	69.9	53.2	79.8
52	33.1	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

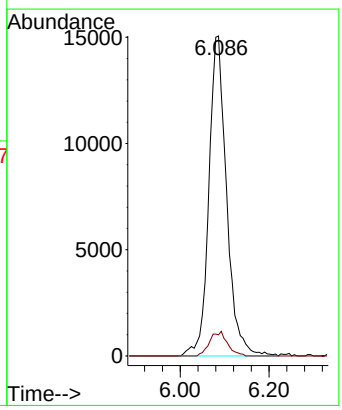
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

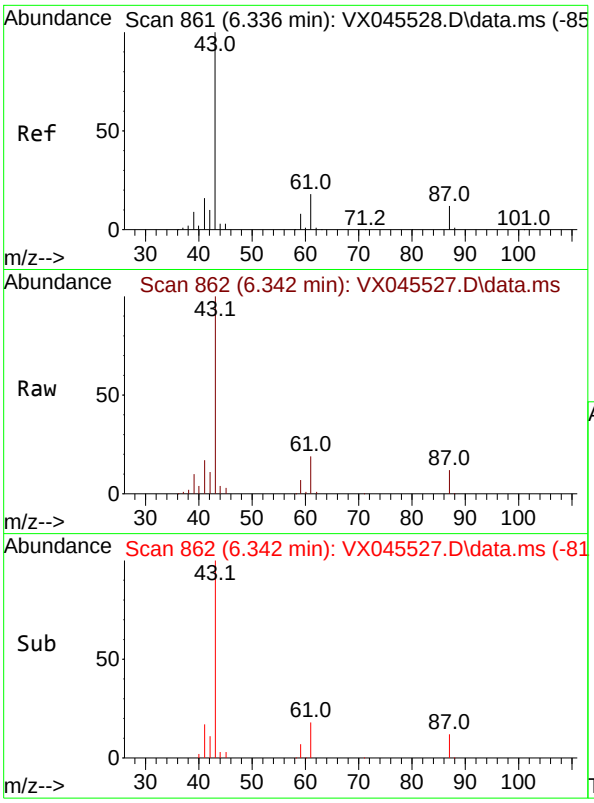


#42
1,2-Dichloroethane
Concen: 21.484 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

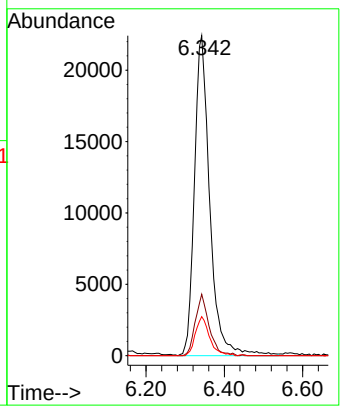
Tgt Ion: 43 Resp: 6122

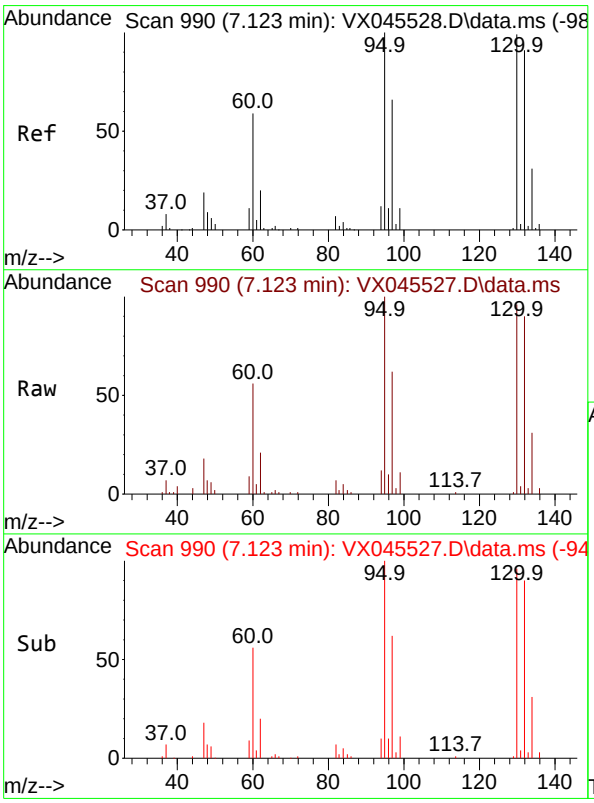
Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.1	21.1
87	11.2	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

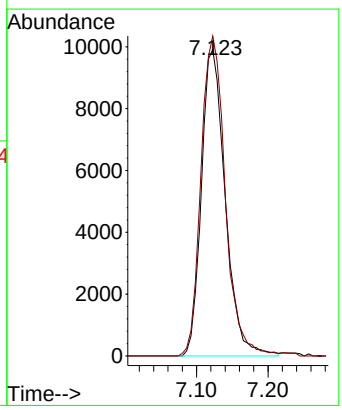


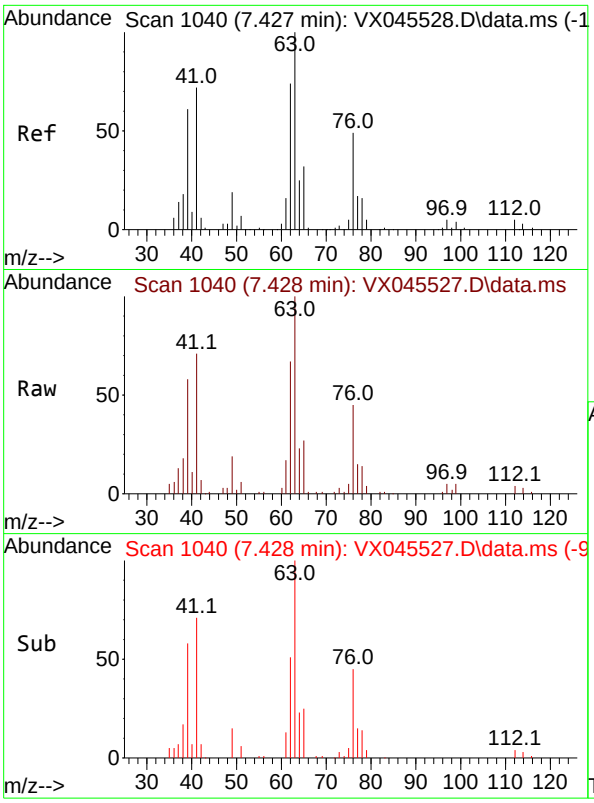


#44
Trichloroethene
Concen: 20.501 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:130 Resp: 22918

Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	202.0

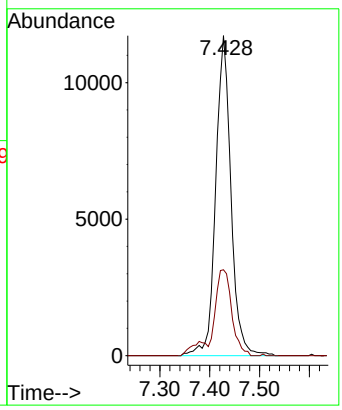




#45
1,2-Dichloropropane
Concen: 21.241 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 63 Resp: 2492

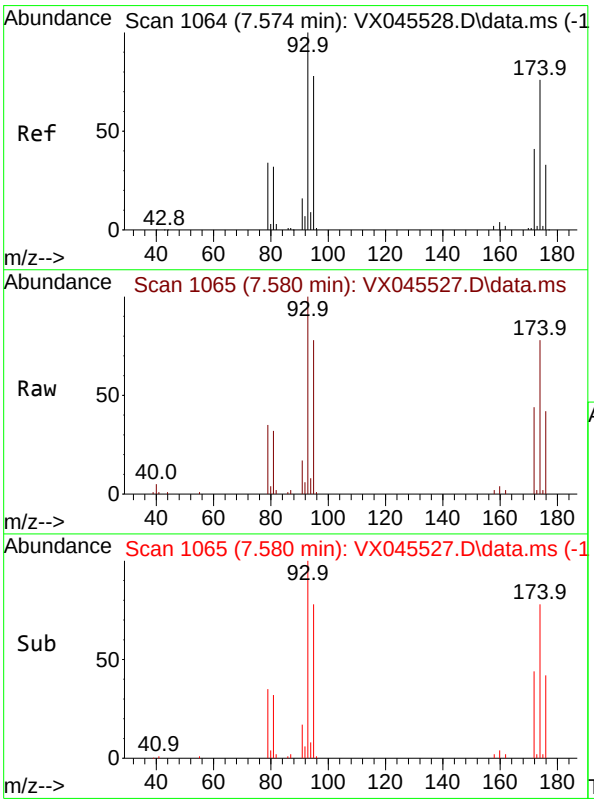
Ion	Ratio	Lower	Upper
63	100		
65	26.9	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

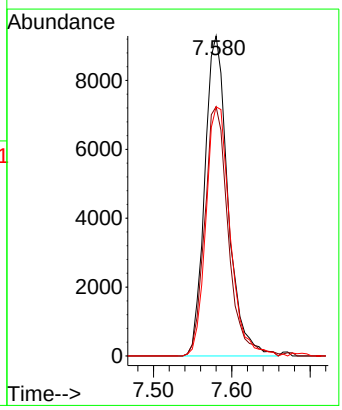
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

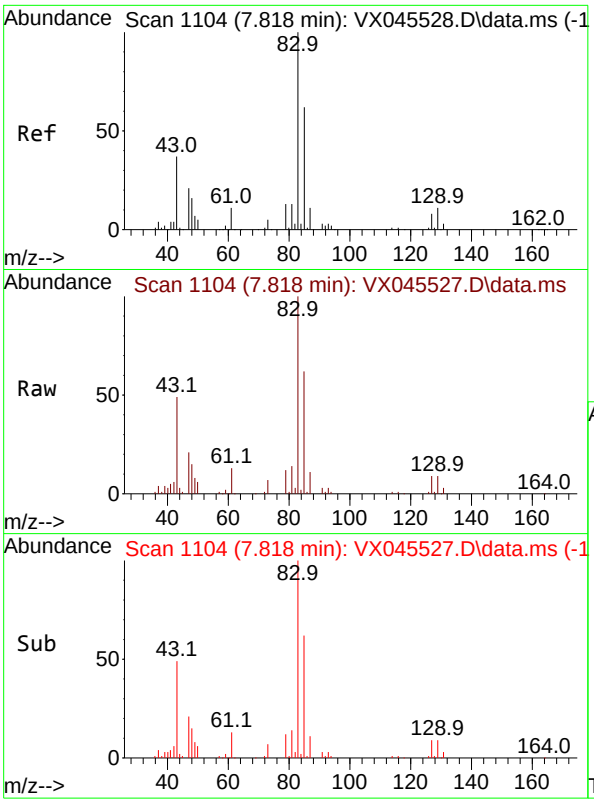


#46
Dibromomethane
Concen: 21.207 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

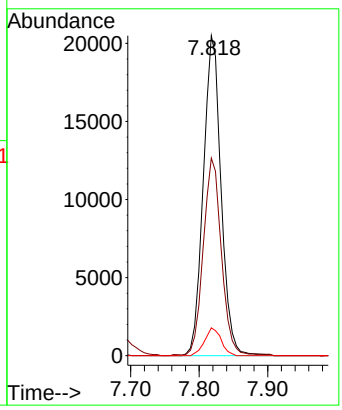




#47
Bromodichloromethane
Concen: 20.587 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 83 Resp: 3703

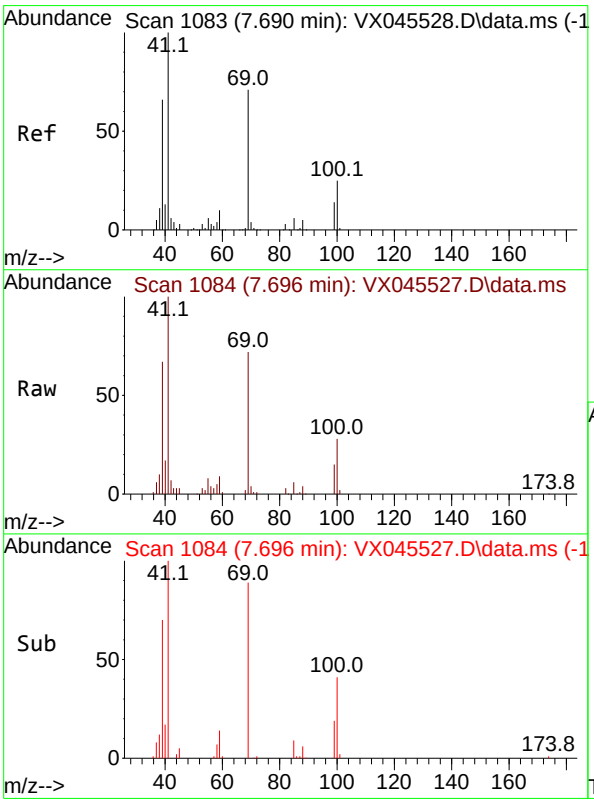
Ion	Ratio	Lower	Upper
83	100		
85	61.7	49.7	74.5
127	8.7	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

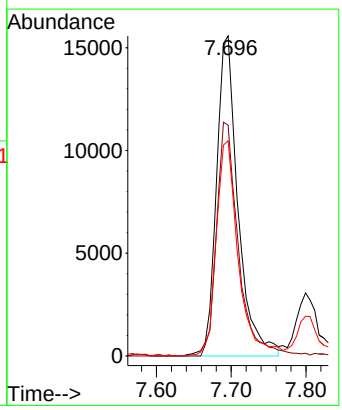
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

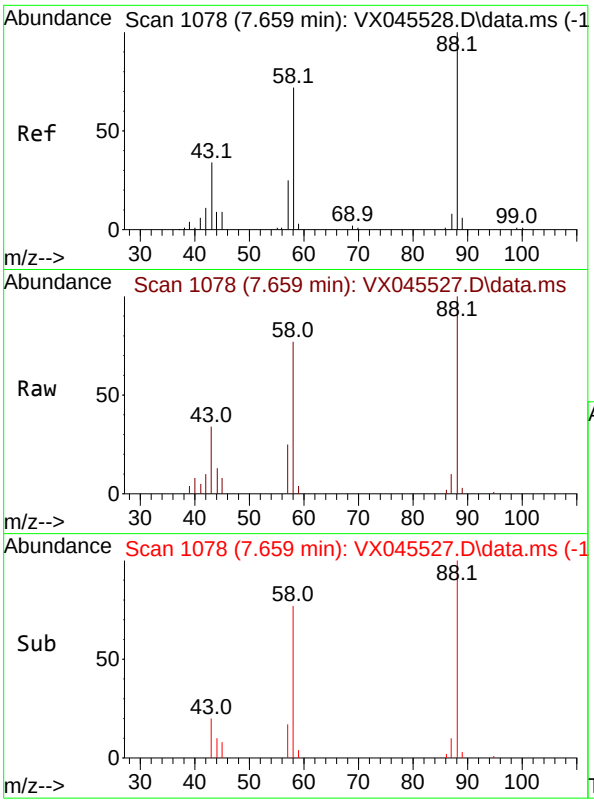


#48
Methyl methacrylate
Concen: 20.575 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

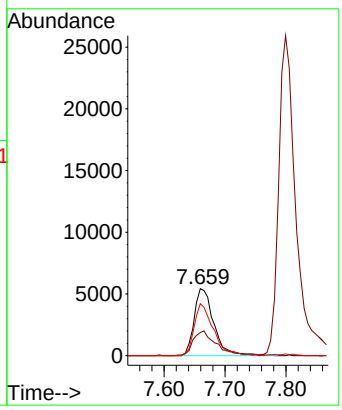




#49
1,4-Dioxane
Concen: 440.515 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 88 Resp: 1210

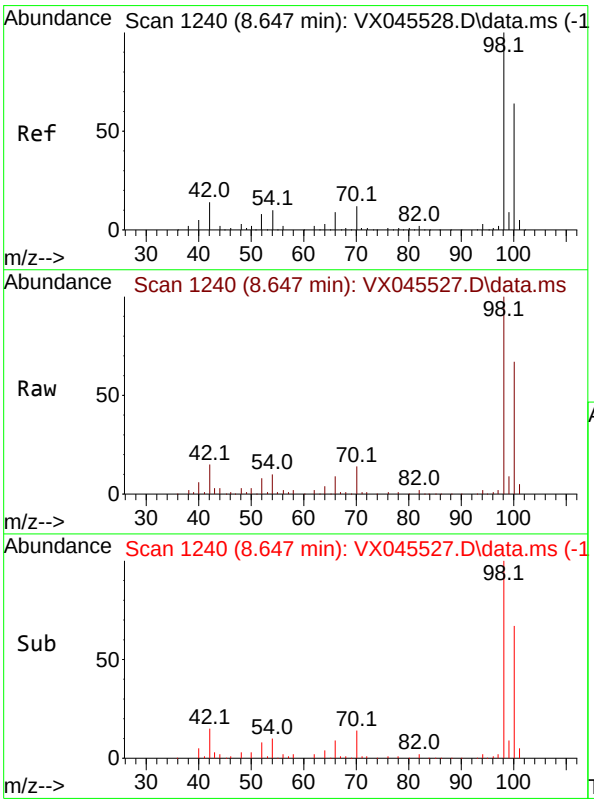
Ion	Ratio	Lower	Upper
88	100		
43	43.5	32.2	48.4
58	76.4	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

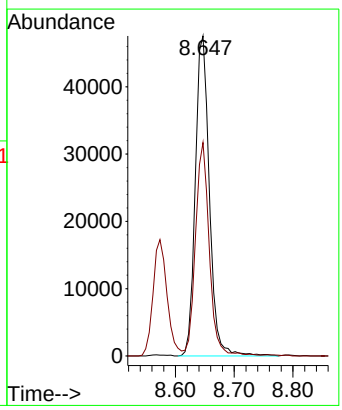
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

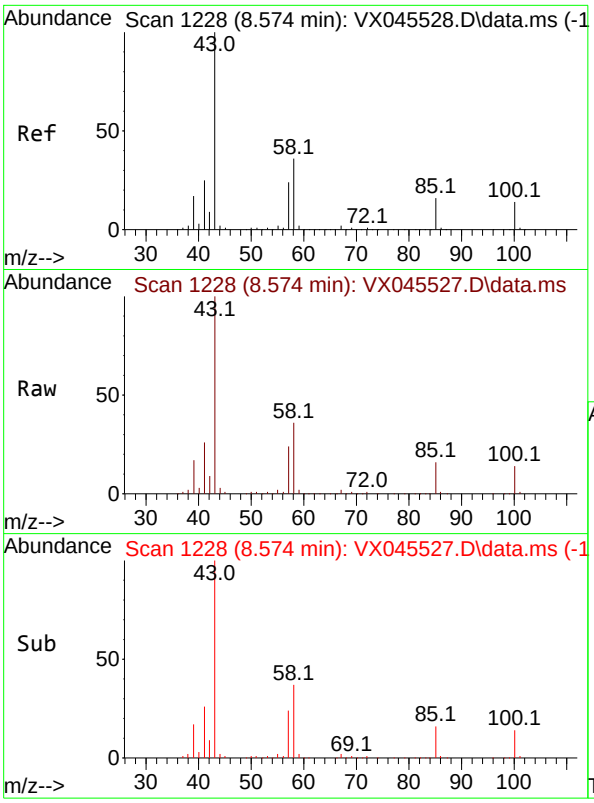


#50
Toluene-d8
Concen: 19.921 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 98 Resp: 79303

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.4

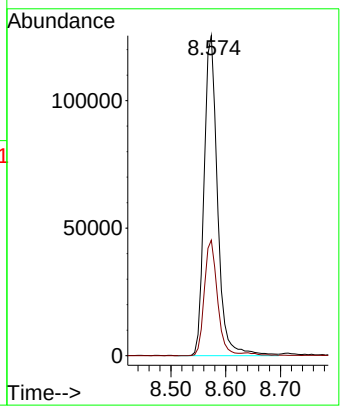




#51
4-Methyl-2-Pentanone
Concen: 109.055 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 21264

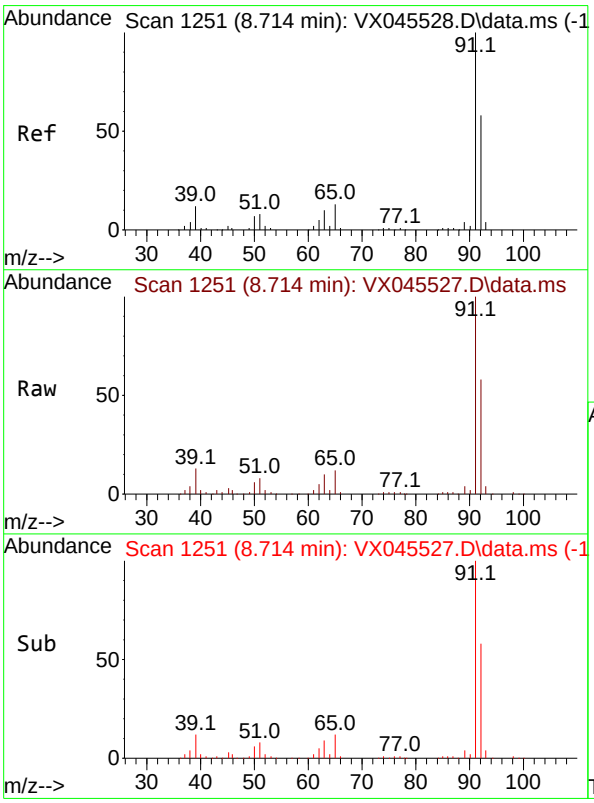
Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

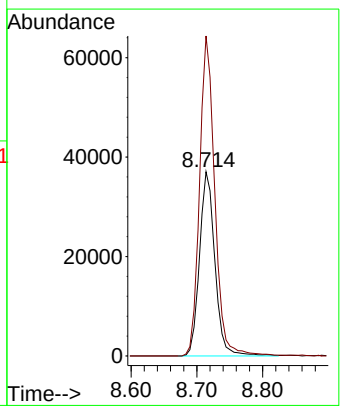
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

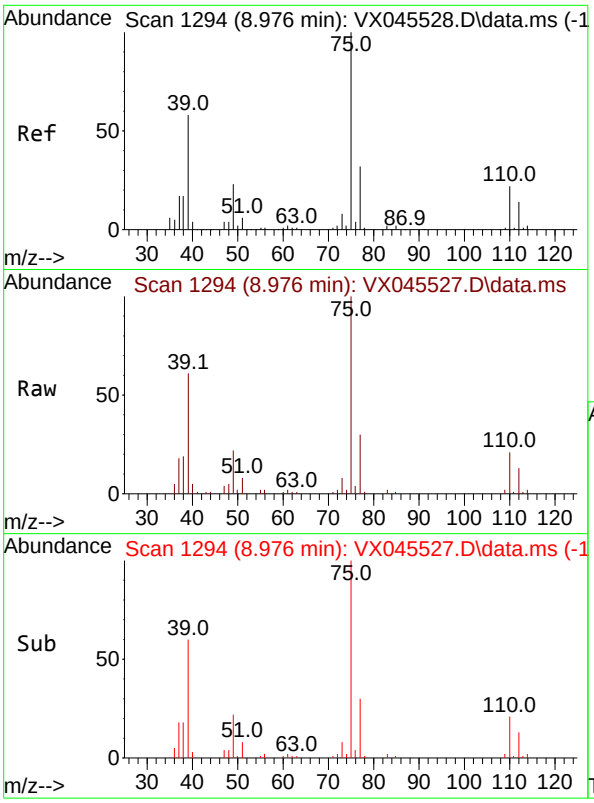


#52
Toluene
Concen: 21.208 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 92 Resp: 60357

Ion	Ratio	Lower	Upper
92	100		
91	171.6	138.7	208.1

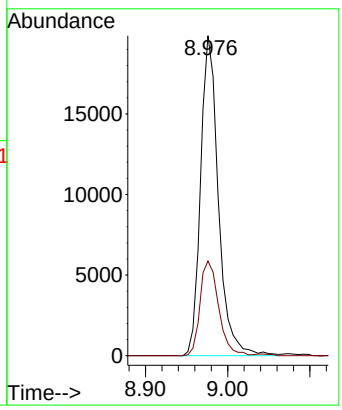




#53
t-1,3-Dichloropropene
Concen: 18.764 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 2987

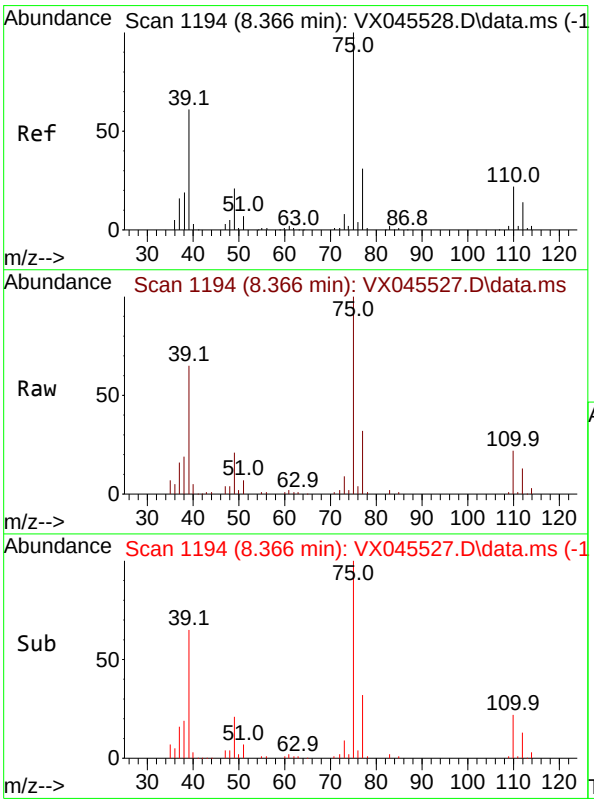
Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

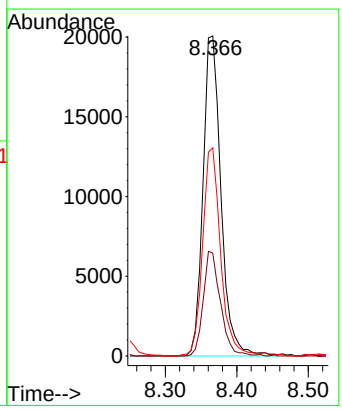
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

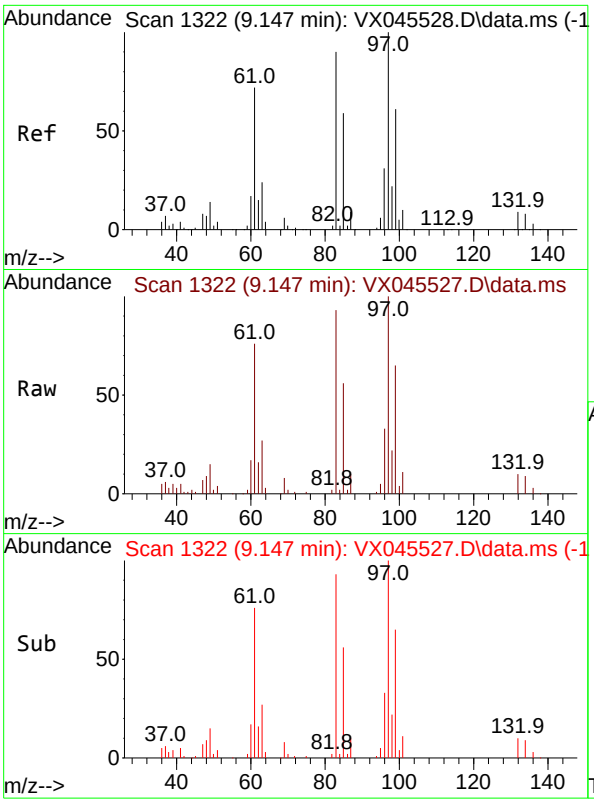


#54
cis-1,3-Dichloropropene
Concen: 20.762 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

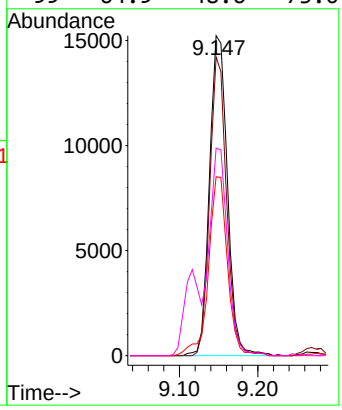




#55
1,1,2-Trichloroethane
Concen: 21.331 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 97 Resp: 2419

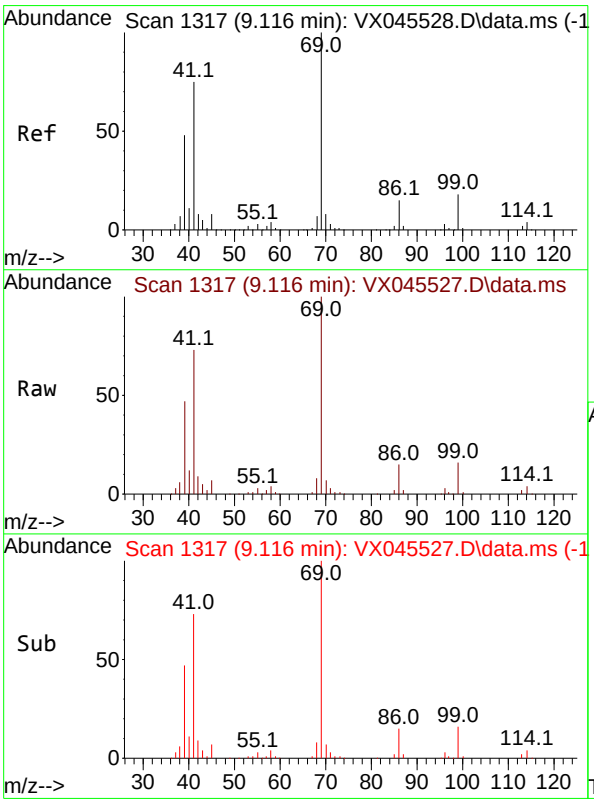
Ion	Ratio	Lower	Upper
97	100		
83	93.4	71.8	107.8
85	55.9	47.0	70.6
99	64.9	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

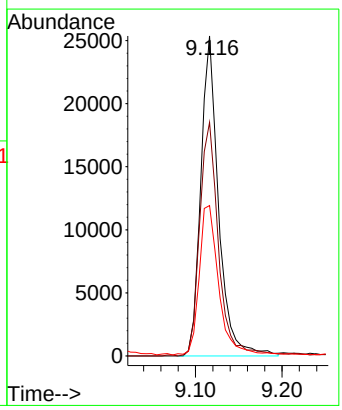
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

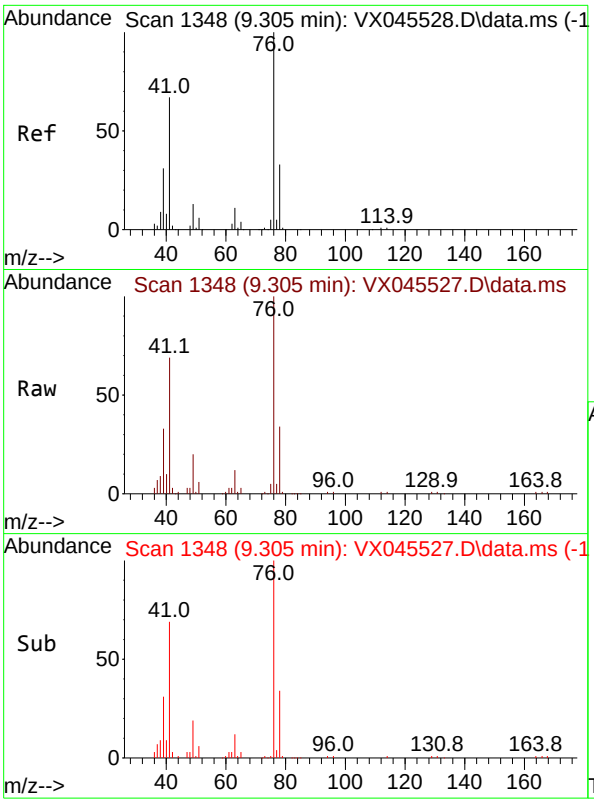


#56
Ethyl methacrylate
Concen: 20.600 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

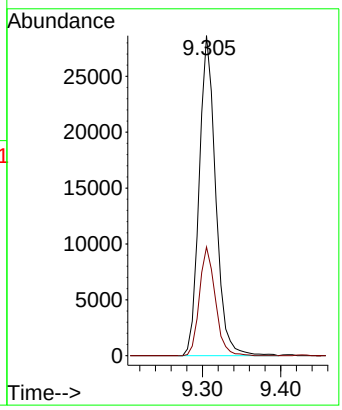




#57
1,3-Dichloropropane
Concen: 21.217 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 76 Resp: 4190

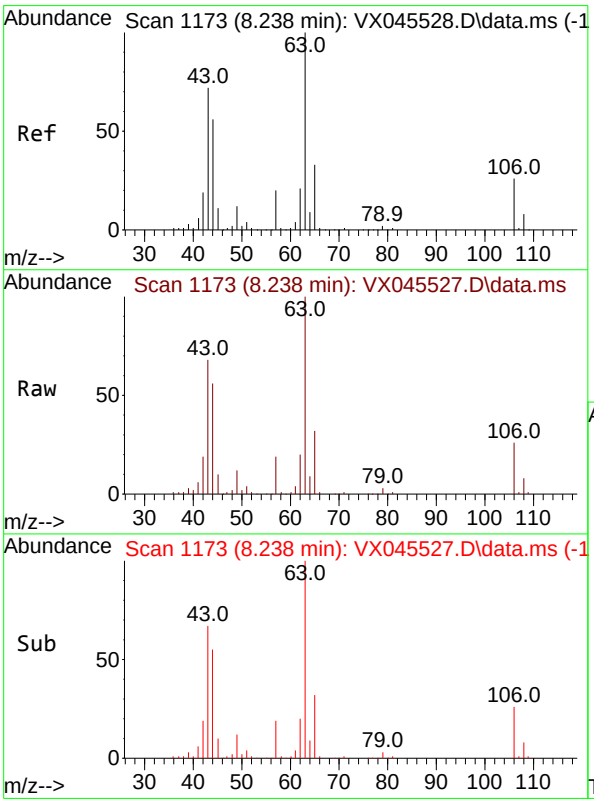
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

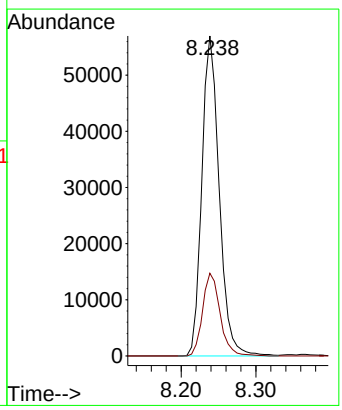
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

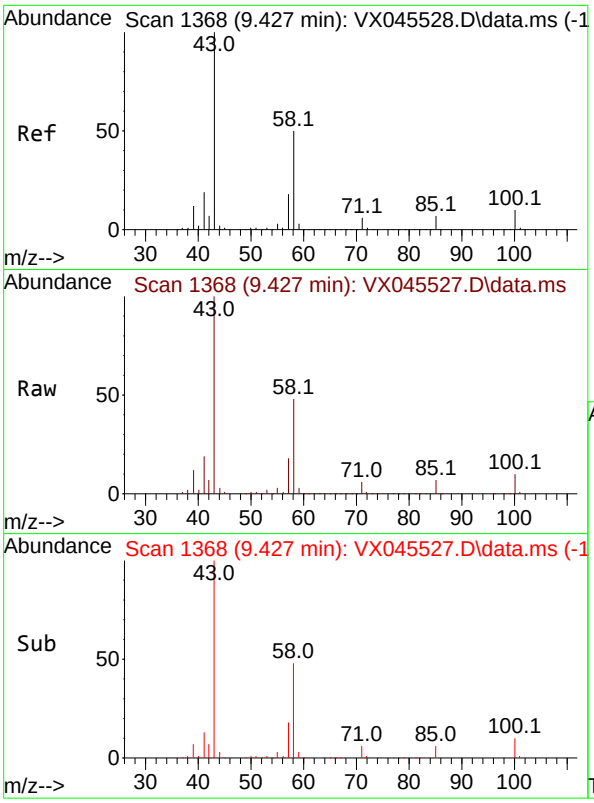


#58
2-Chloroethyl Vinyl ether
Concen: 103.534 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 63 Resp: 91923

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.0	31.6

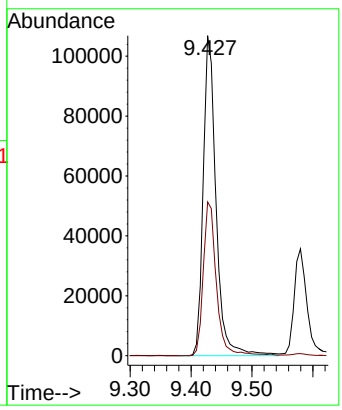




#59
2-Hexanone
Concen: 108.730 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 43 Resp: 15699

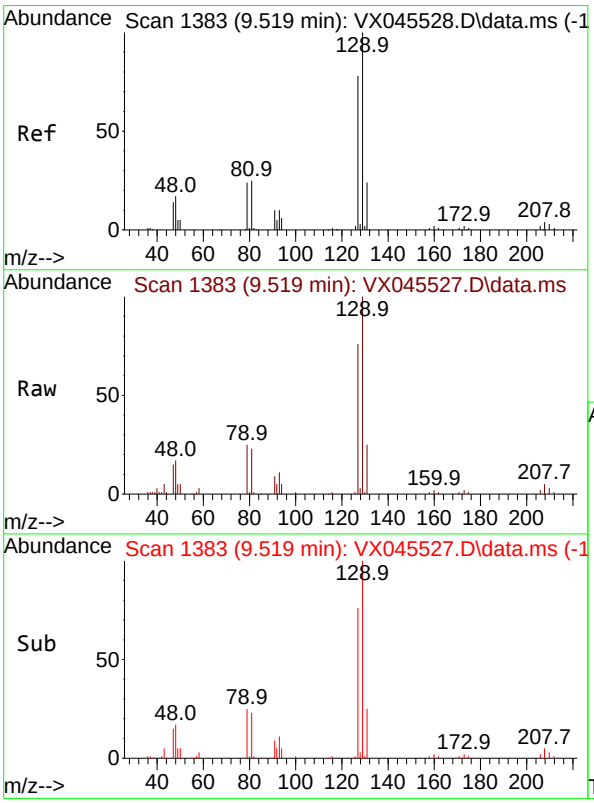
Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

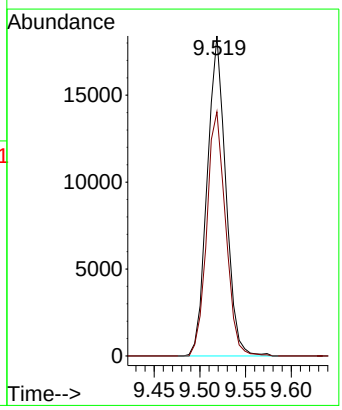
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

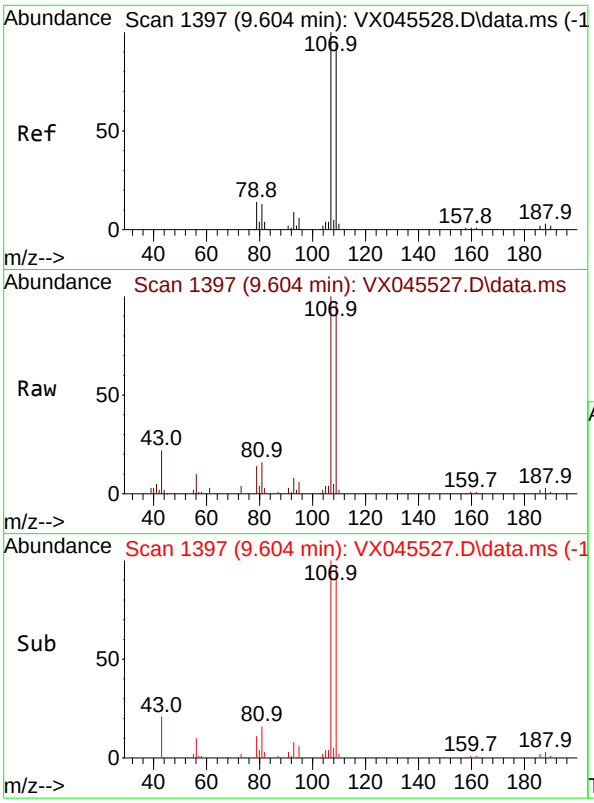


#60
Dibromochloromethane
Concen: 21.023 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:129 Resp: 25992

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.4	118.2

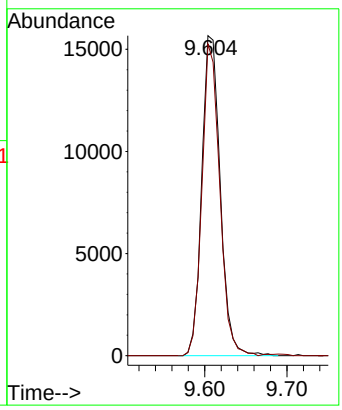




#61
1,2-Dibromoethane
Concen: 21.303 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:107 Resp: 2445

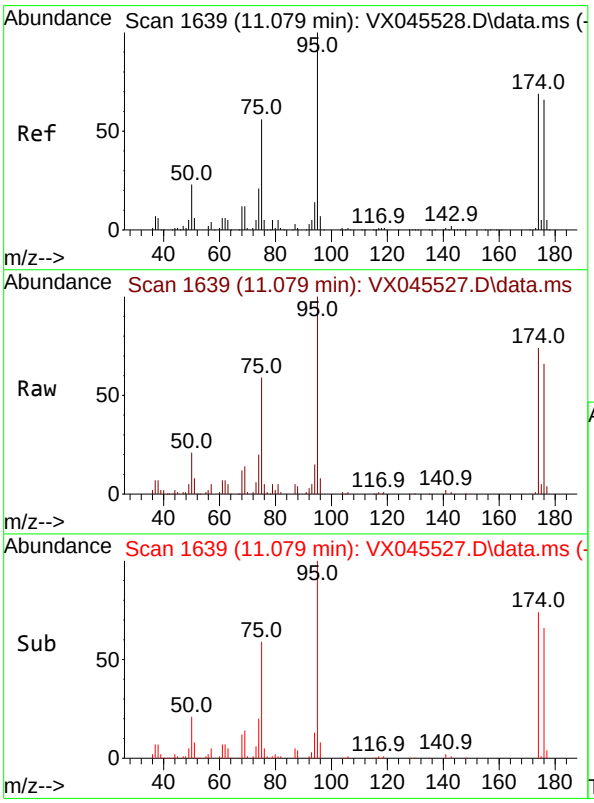
Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

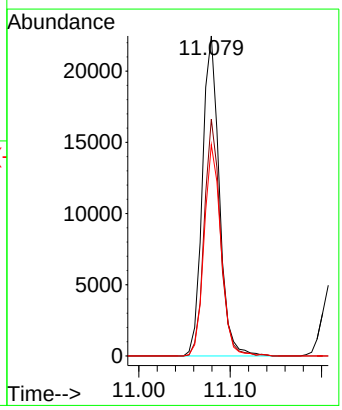
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

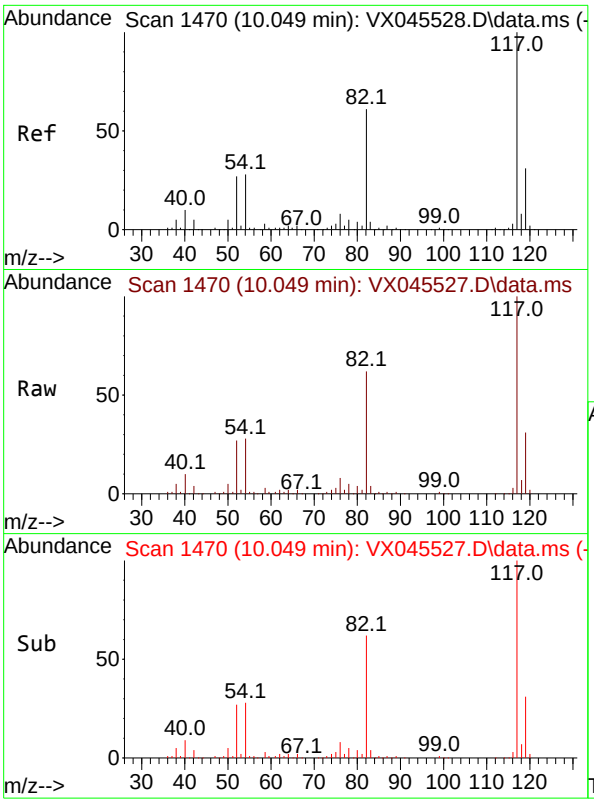


#62
4-Bromofluorobenzene
Concen: 19.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

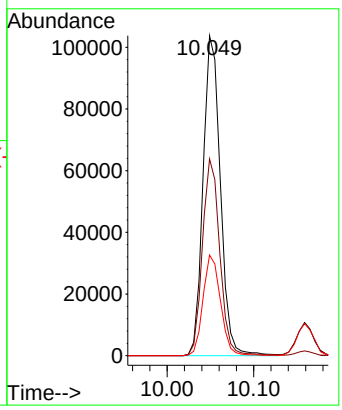




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:117 Resp: 14408

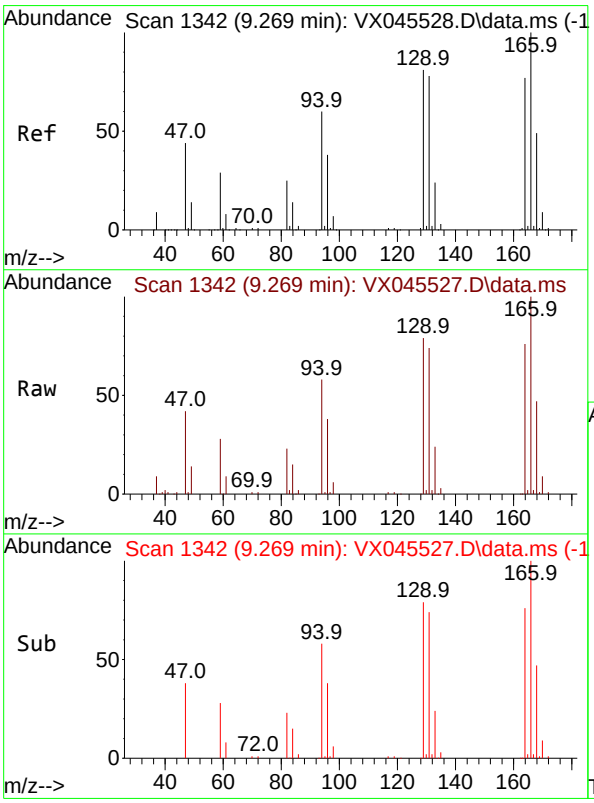
Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.2	73.8
119	31.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

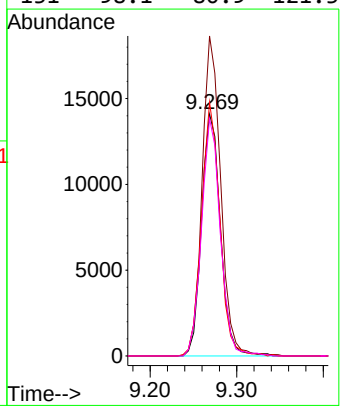
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

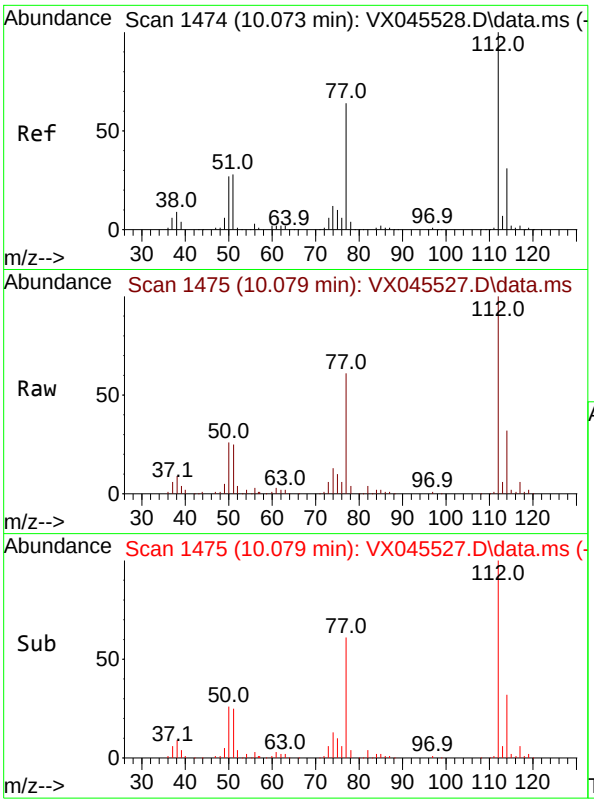


#64
Tetrachloroethene
Concen: 21.015 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

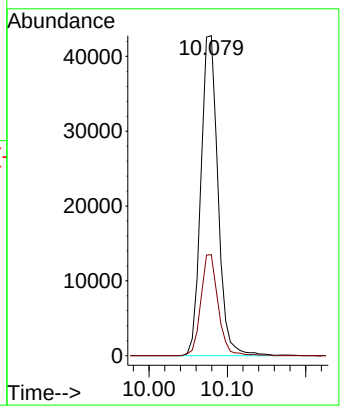




#65
Chlorobenzene
Concen: 21.023 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:112 Resp: 6472

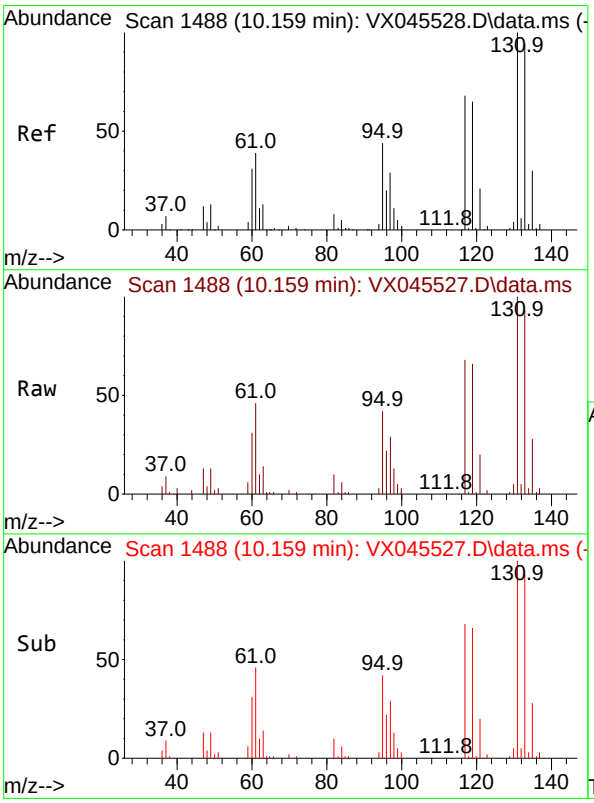
Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

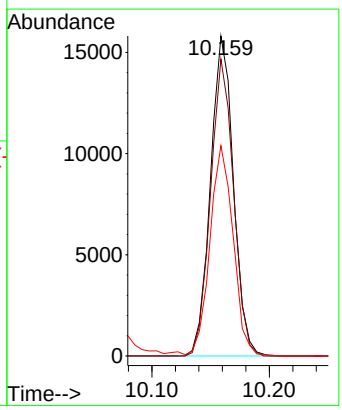
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

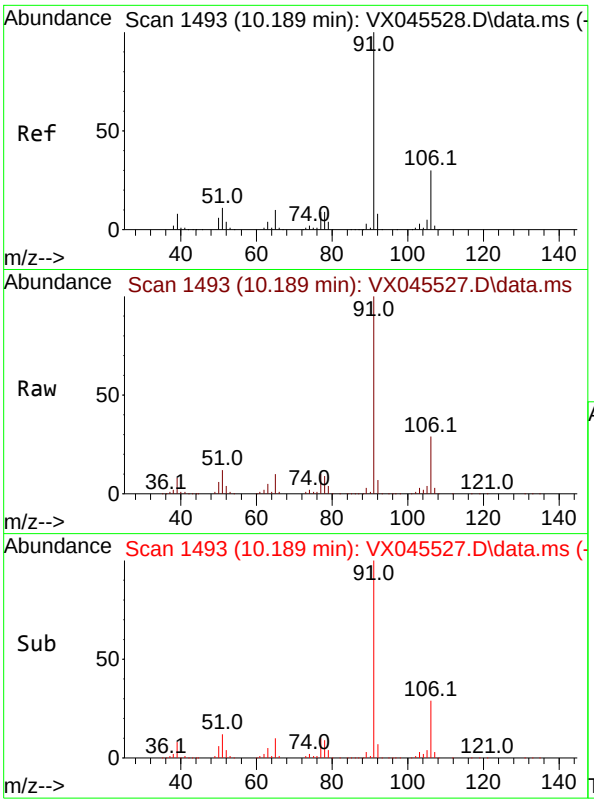


#66
1,1,1,2-Tetrachloroethane
Concen: 20.064 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

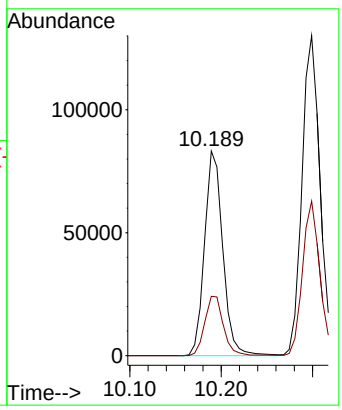




#67
Ethyl Benzene
Concen: 20.921 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 11536

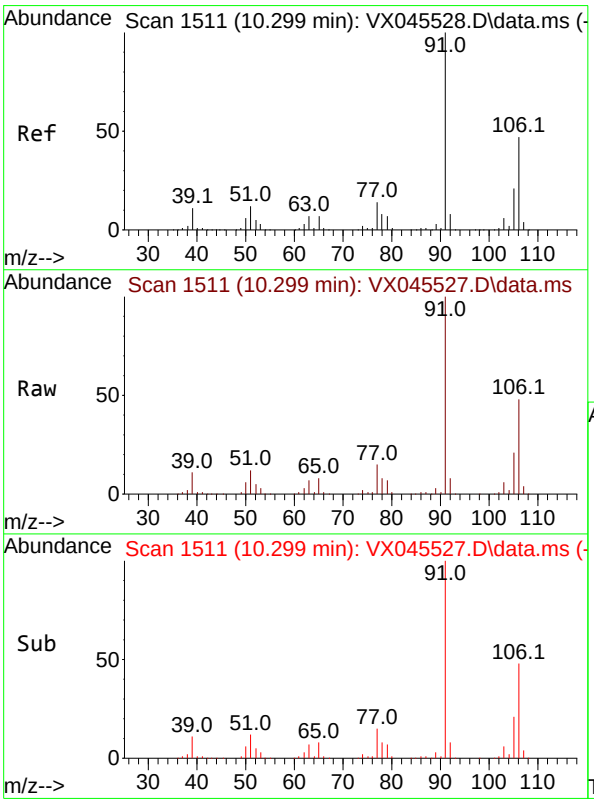
Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

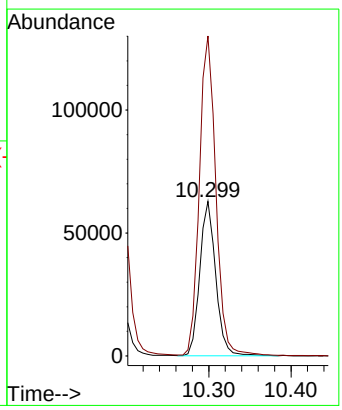
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

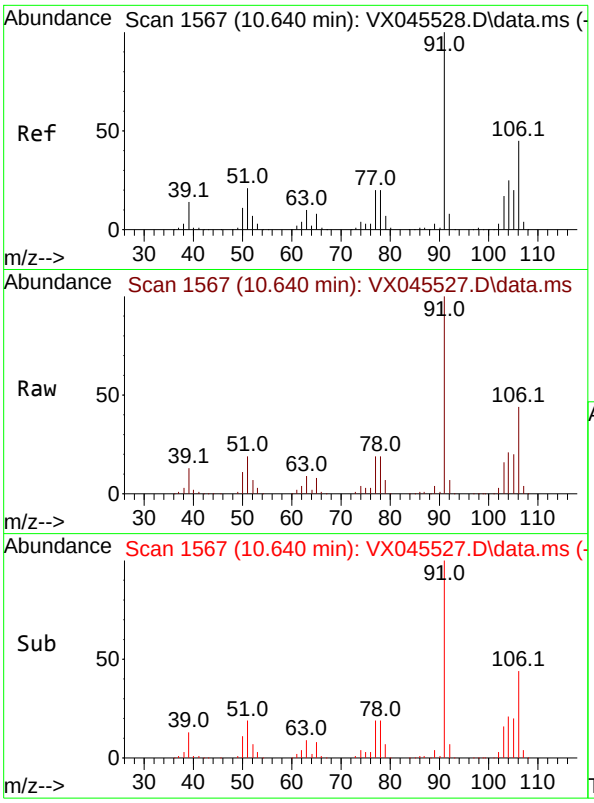


#68
m/p-Xylenes
Concen: 42.092 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:106 Resp: 84420

Ion	Ratio	Lower	Upper
106	100		
91	214.4	172.6	258.8

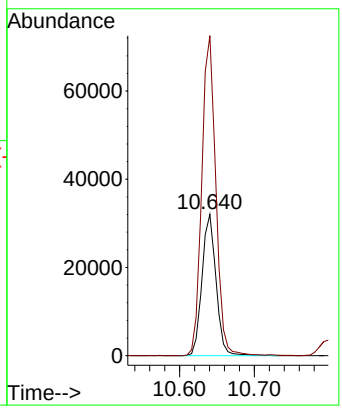




#69
o-Xylene
Concen: 21.158 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:106 Resp: 4180

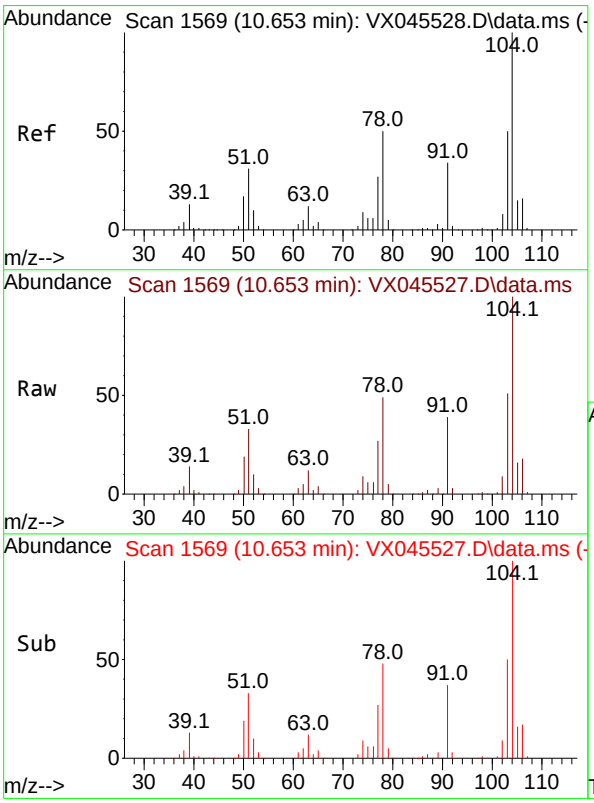
Ion	Ratio	Lower	Upper
106	100		
91	226.9	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

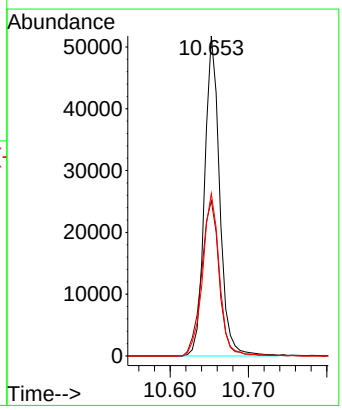
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

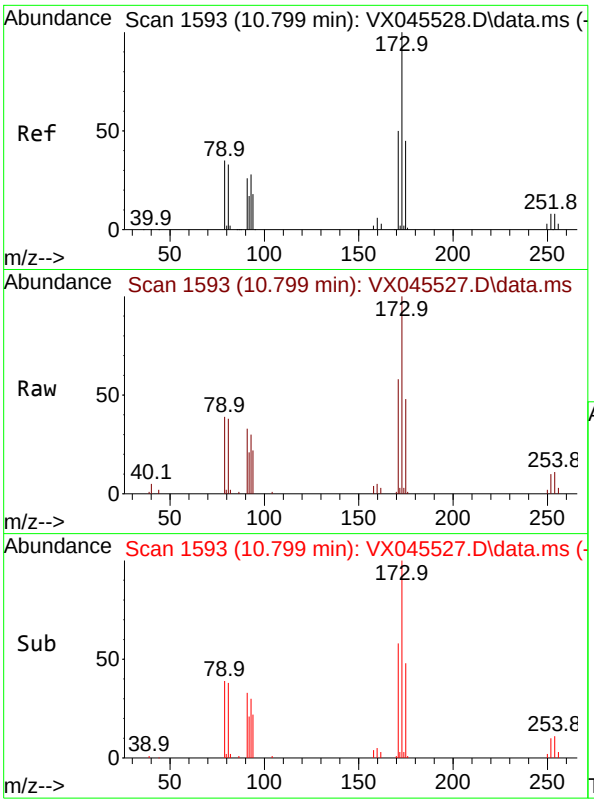


#70
Styrene
Concen: 21.249 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

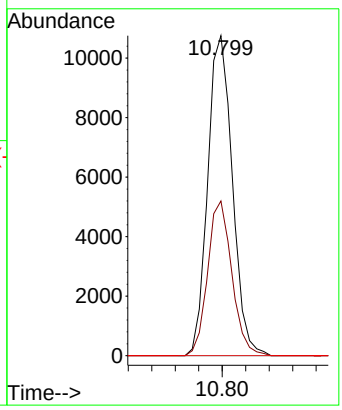




#71
Bromoform
Concen: 19.619 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:173 Resp: 1565

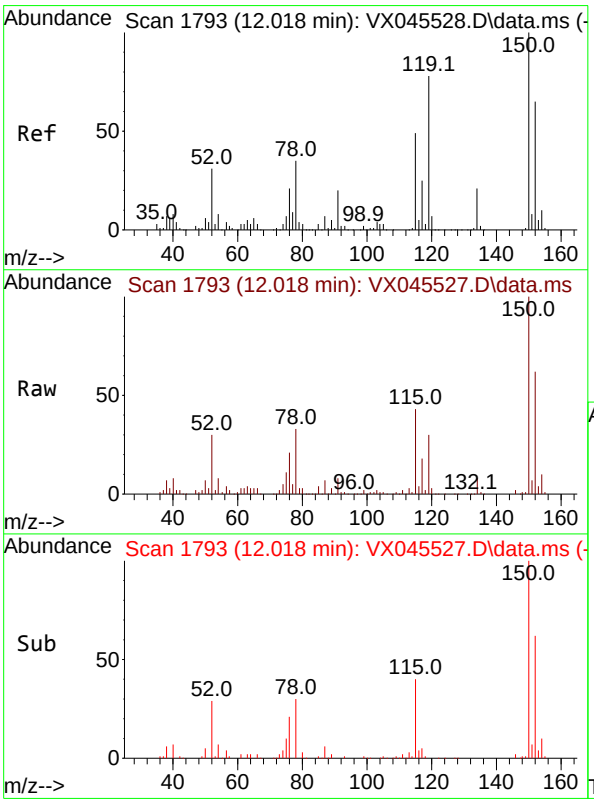
Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

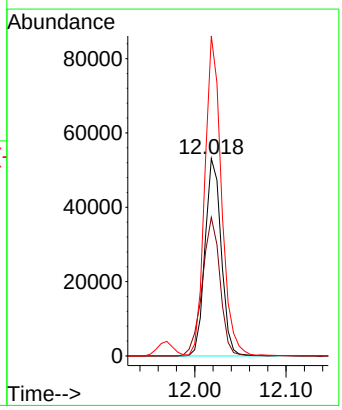
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

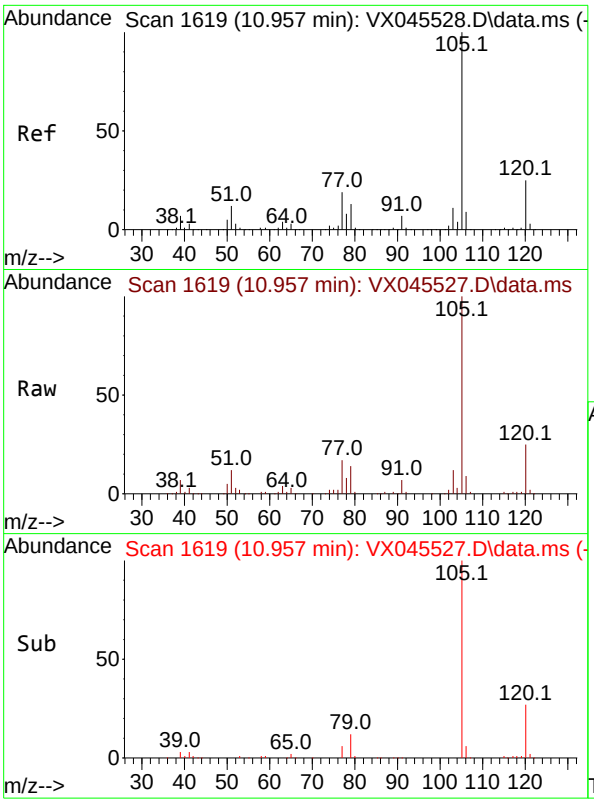


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

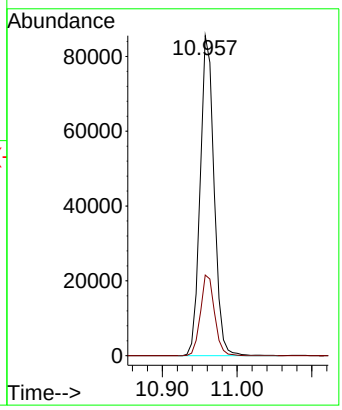




#73
Isopropylbenzene
Concen: 21.093 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 11039

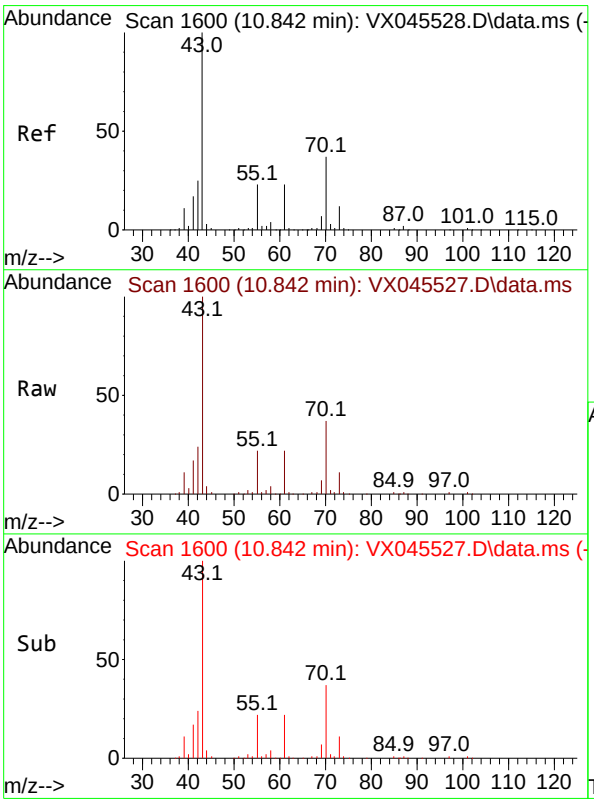
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

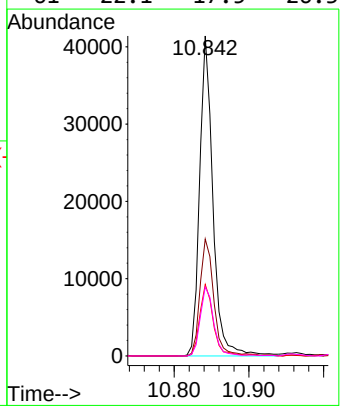
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

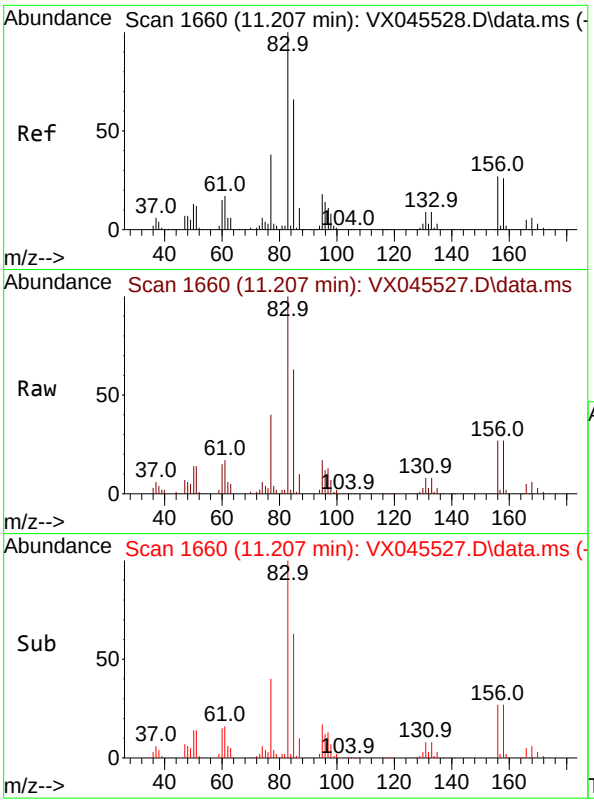


#74
N-amyl acetate
Concen: 20.466 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

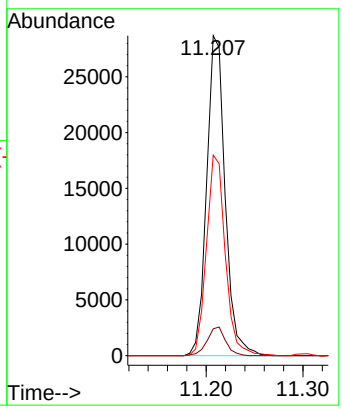




#75
1,1,2,2-Tetrachloroethane
Concen: 20.764 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 83 Resp: 3817

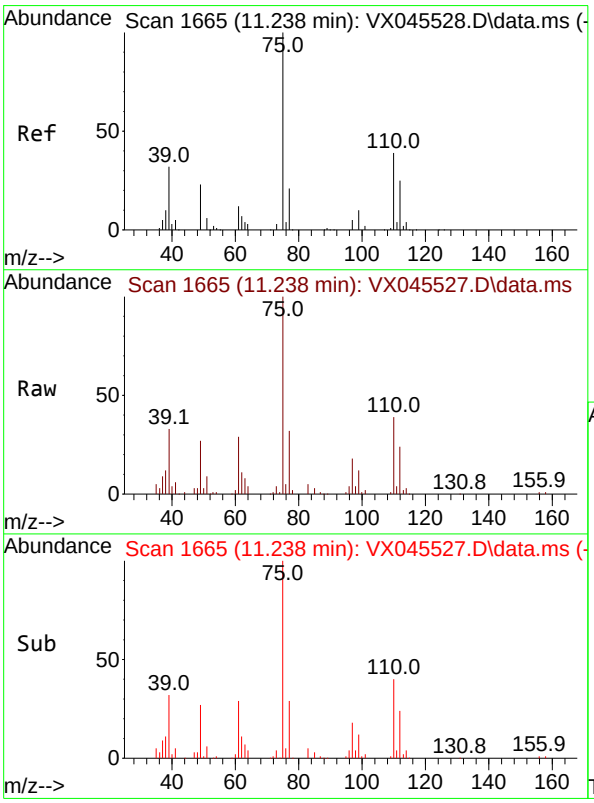
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.1
85	63.7	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

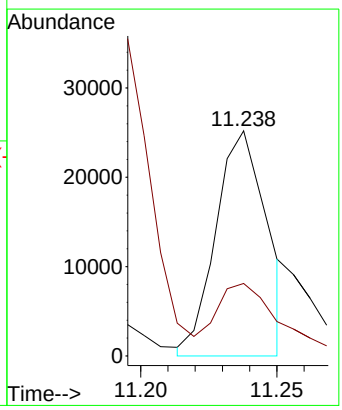
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

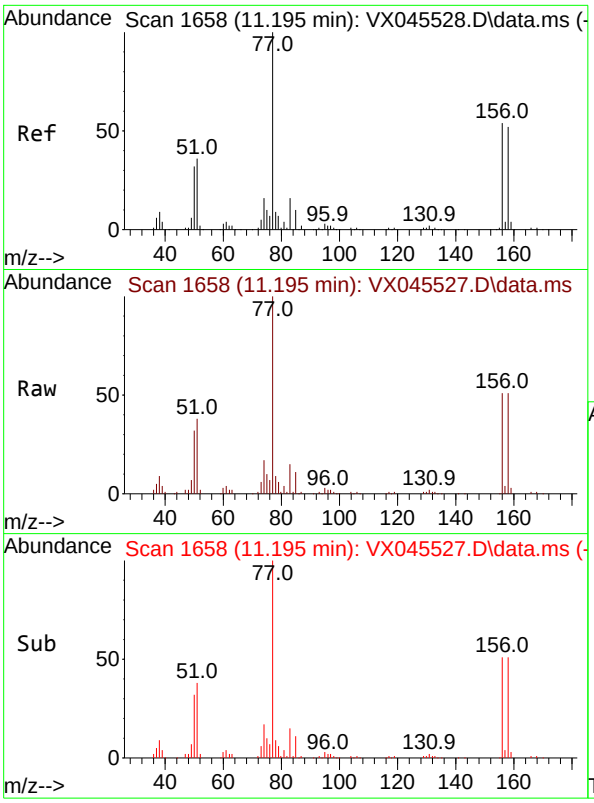


#76
1,2,3-Trichloropropane
Concen: 20.510 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

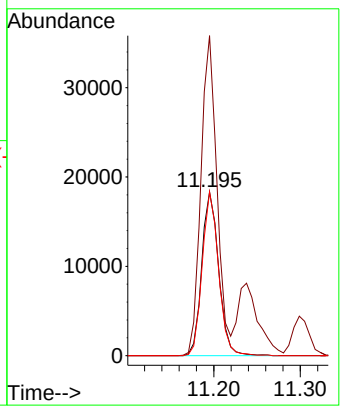
Tgt Ion:156 Resp: 2490

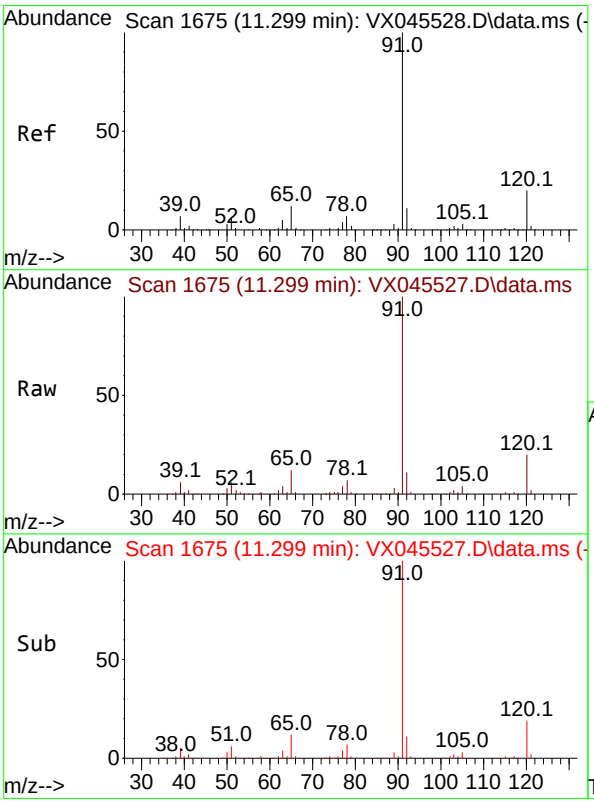
Ion	Ratio	Lower	Upper
156	100		
77	185.0	92.6	277.8
158	96.7	48.1	144.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

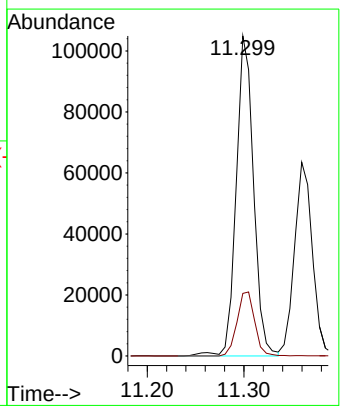


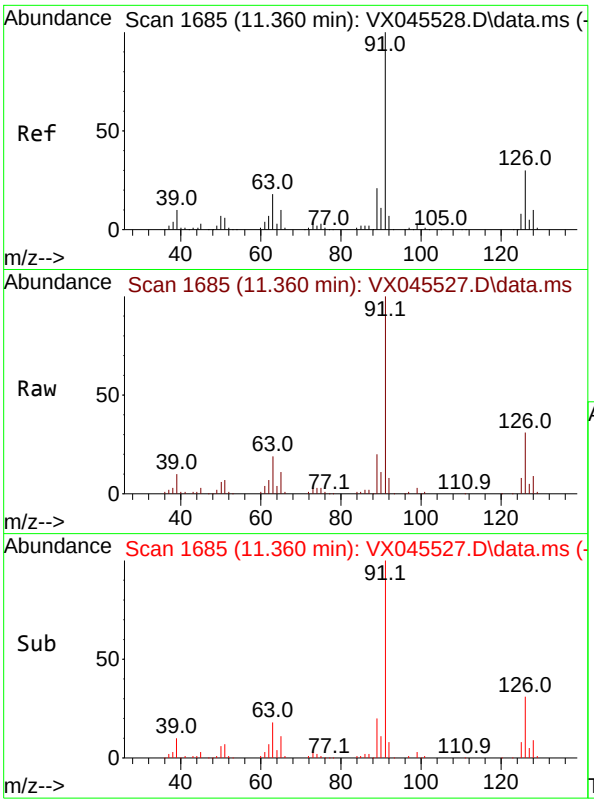


#78
n-propylbenzene
Concen: 21.729 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 130994

Ion	Ratio	Lower	Upper
91	100		
120	20.5	10.8	32.3

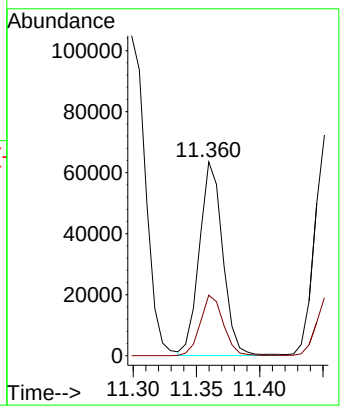




#79
2-Chlorotoluene
Concen: 21.229 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 8181

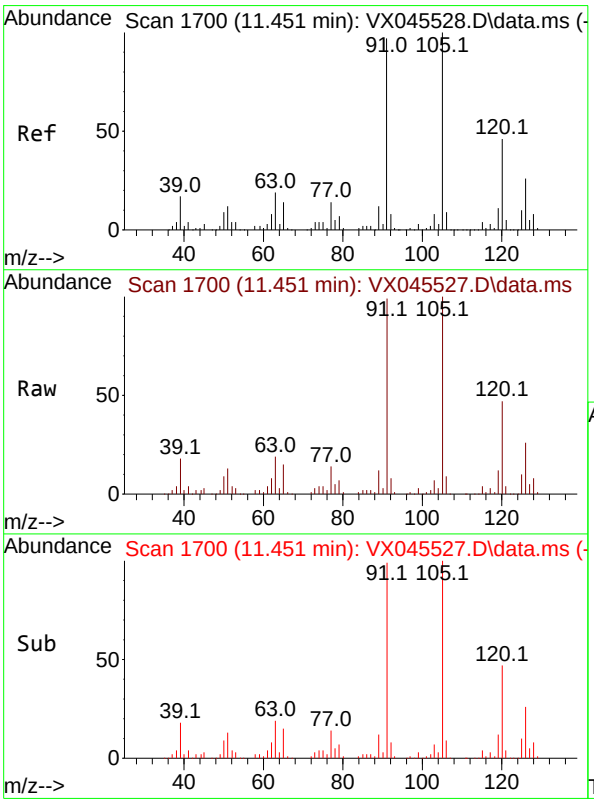
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

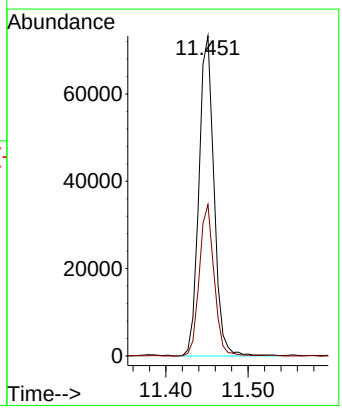
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

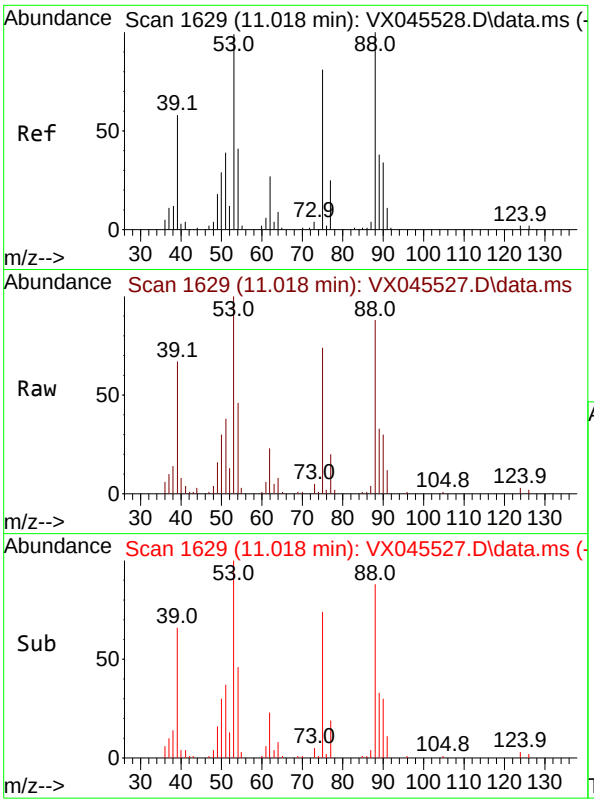


#80
1,3,5-Trimethylbenzene
Concen: 21.564 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 93328

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.0	69.0

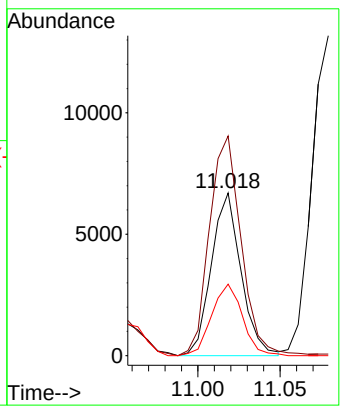




#81
trans-1,4-Dichloro-2-butene
Concen: 17.961 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 75 Resp: 843

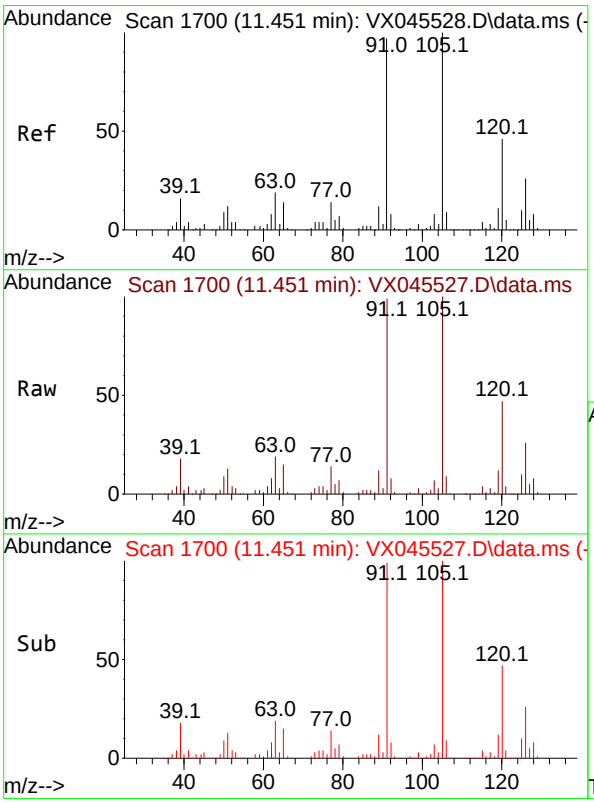
Ion	Ratio	Lower	Upper
75	100		
53	144.7	101.8	152.6
89	45.5	37.2	55.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

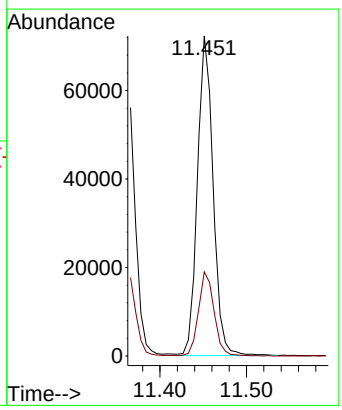
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

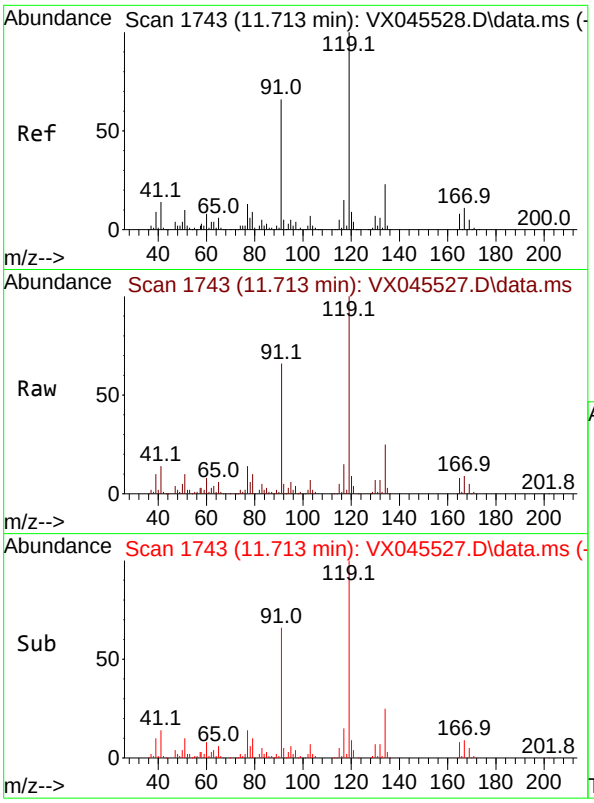


#82
4-Chlorotoluene
Concen: 21.108 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 90704

Ion	Ratio	Lower	Upper
91	100		
126	26.2	13.3	39.9

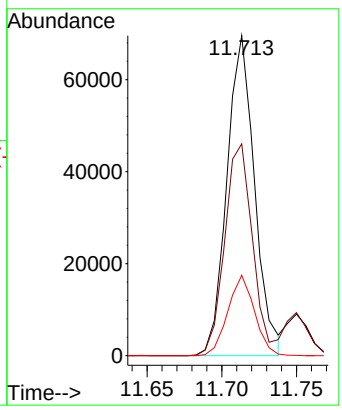




#83
tert-Butylbenzene
Concen: 20.964 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:119 Resp: 8982

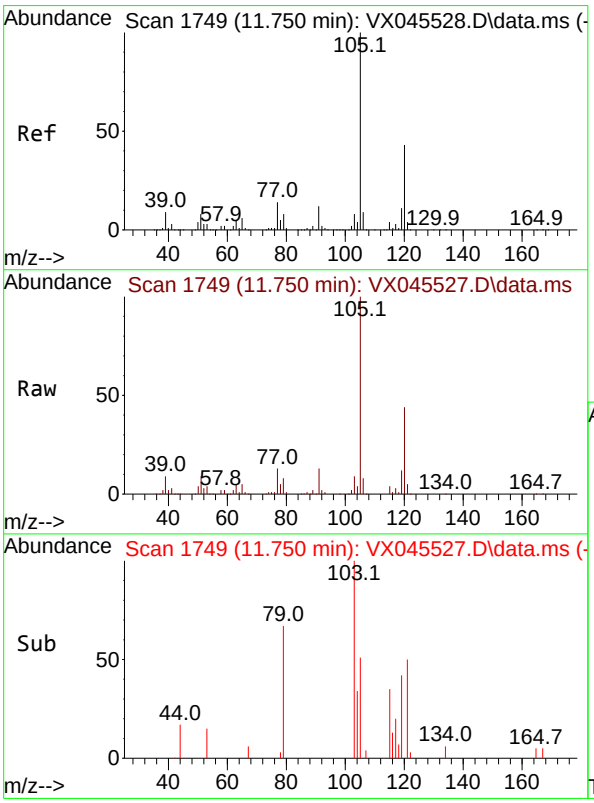
Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.4	97.2
134	24.2	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

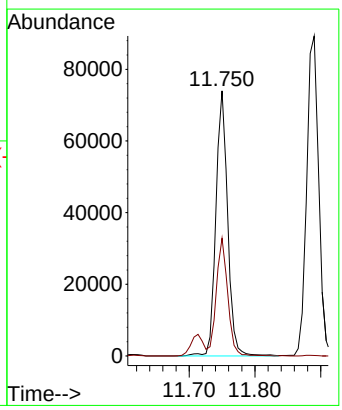
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

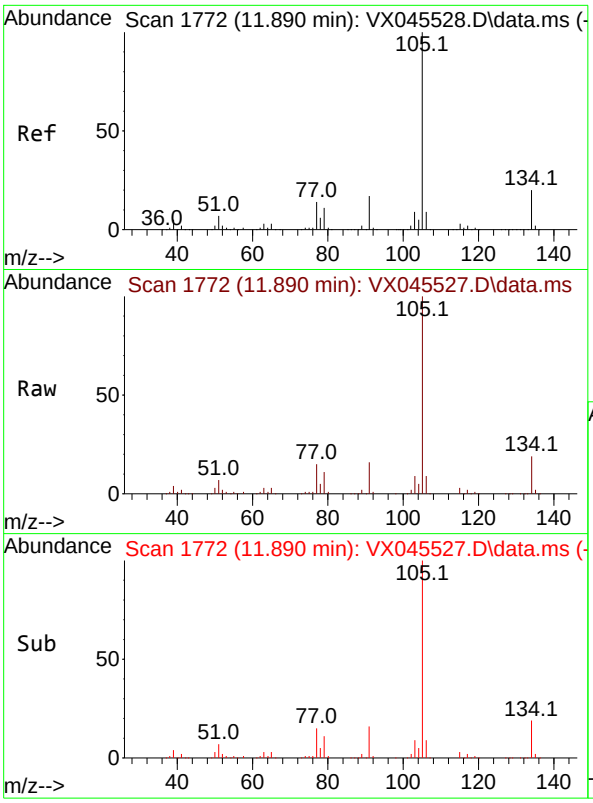


#84
1,2,4-Trimethylbenzene
Concen: 21.235 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 92242

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.4	64.3

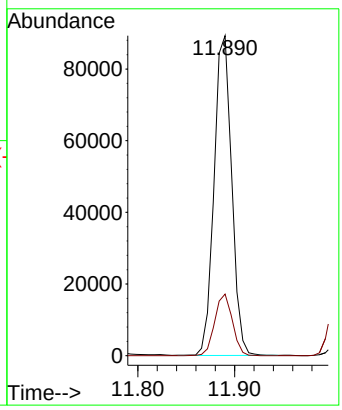




#85
sec-Butylbenzene
Concen: 21.433 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:105 Resp: 11280

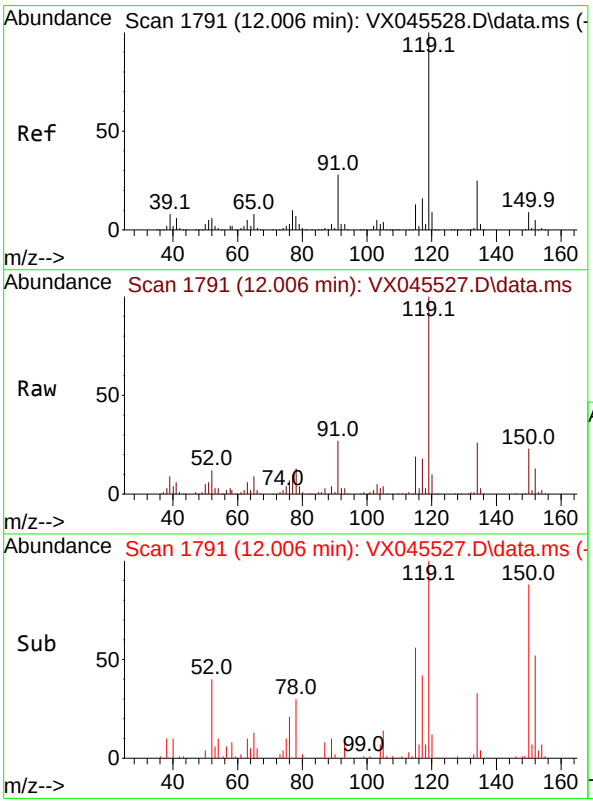
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

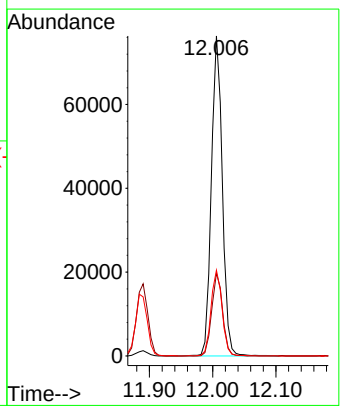
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

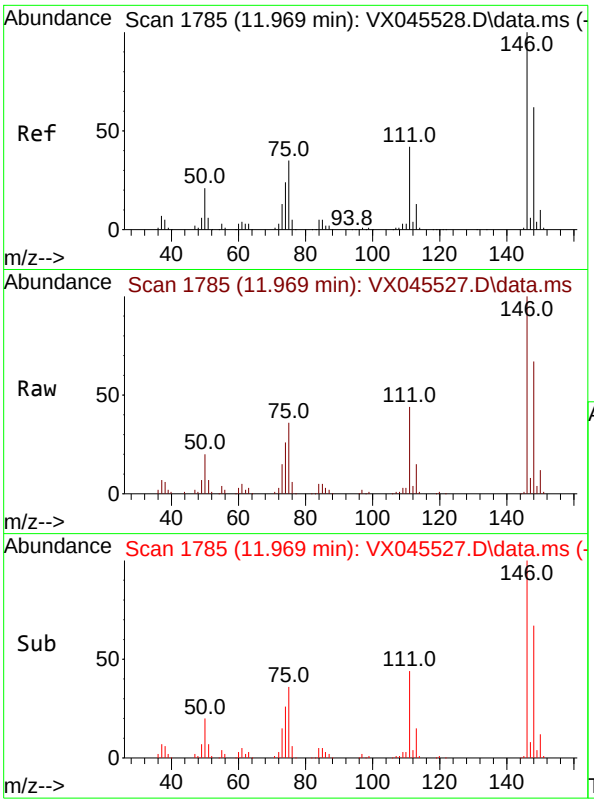


#86
p-Isopropyltoluene
Concen: 21.173 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

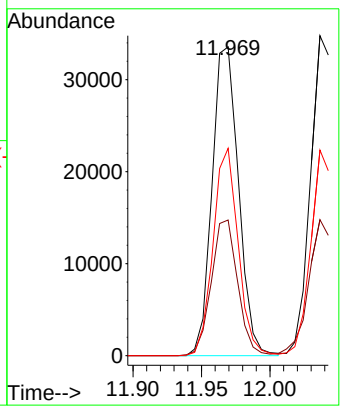




#87
1,3-Dichlorobenzene
Concen: 20.490 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:146 Resp: 4510

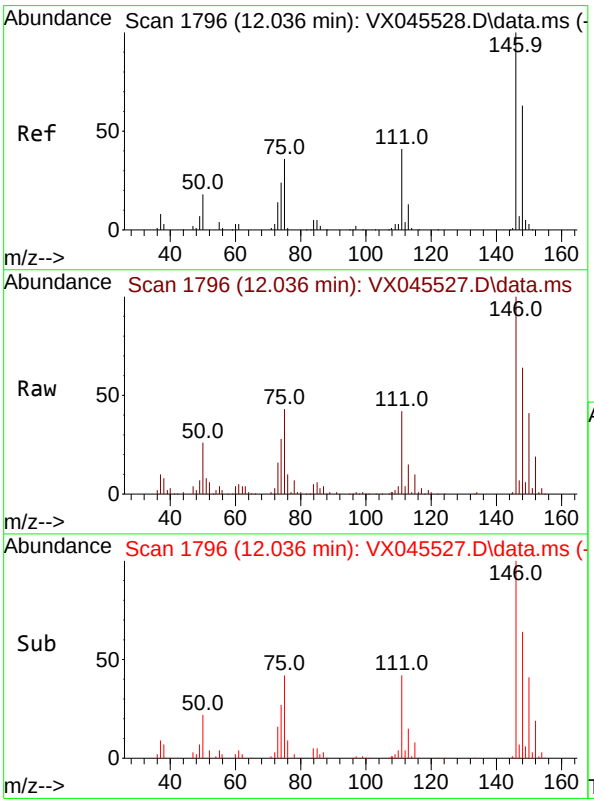
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

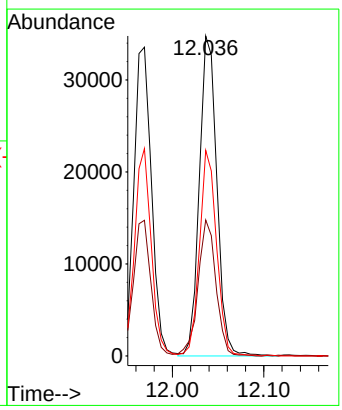
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

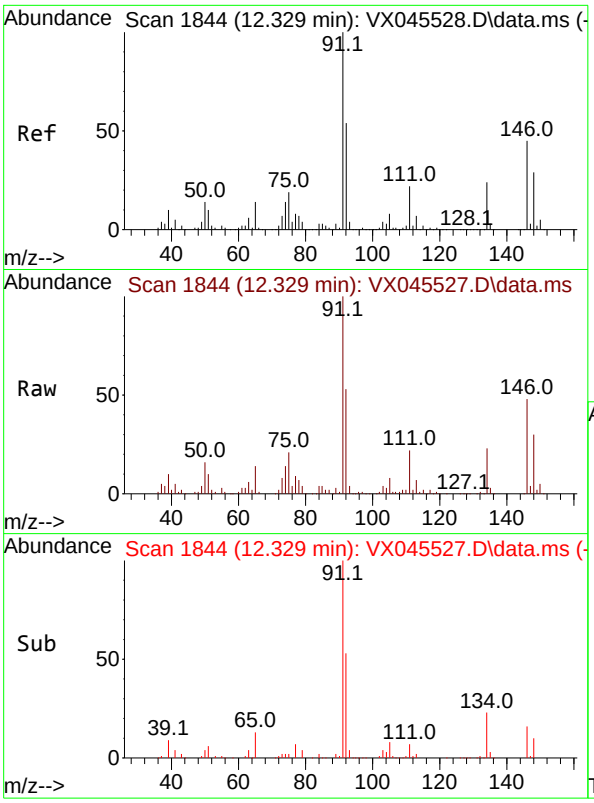


#88
1,4-Dichlorobenzene
Concen: 20.706 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

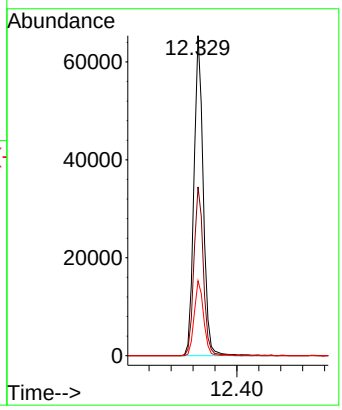




#89
n-Butylbenzene
Concen: 20.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion: 91 Resp: 7773

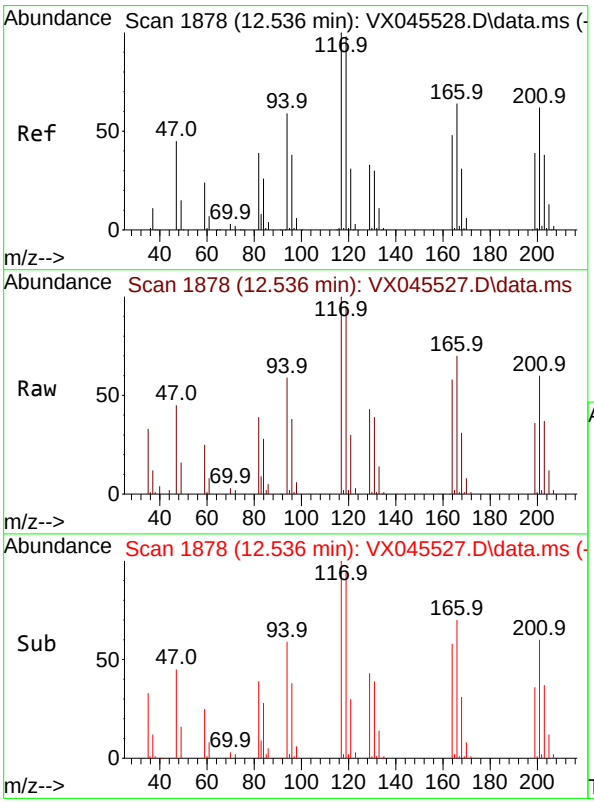
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.9	80.6
134	23.4	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

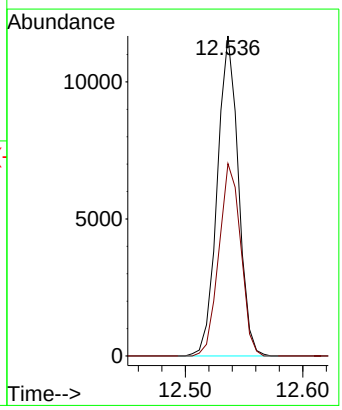
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

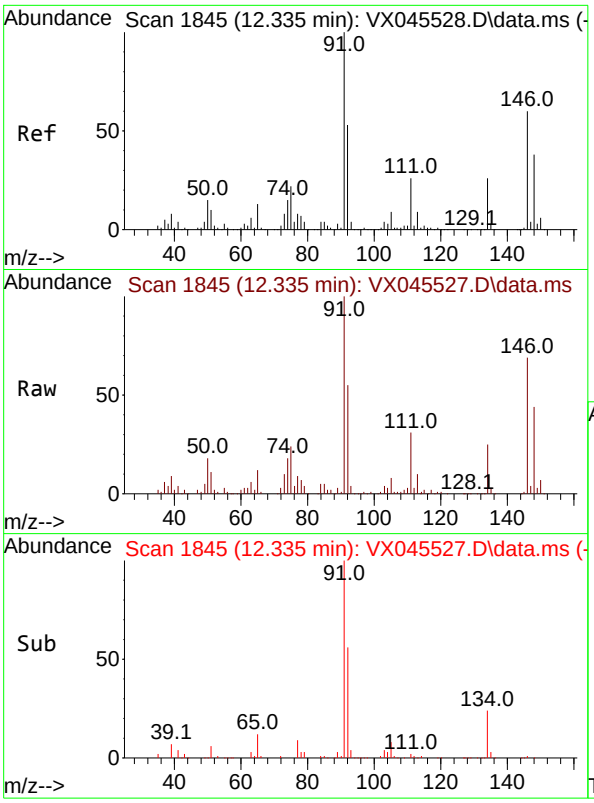


#90
Hexachloroethane
Concen: 19.505 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:117 Resp: 14544

Ion	Ratio	Lower	Upper
117	100		
201	62.2	31.2	93.6

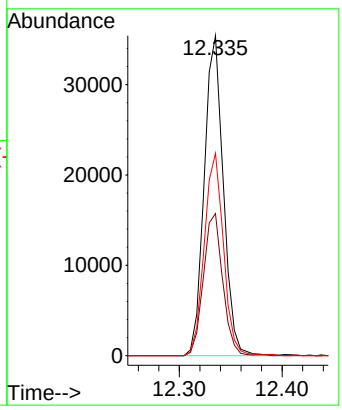




#91
1,2-Dichlorobenzene
Concen: 20.896 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:146 Resp: 4573

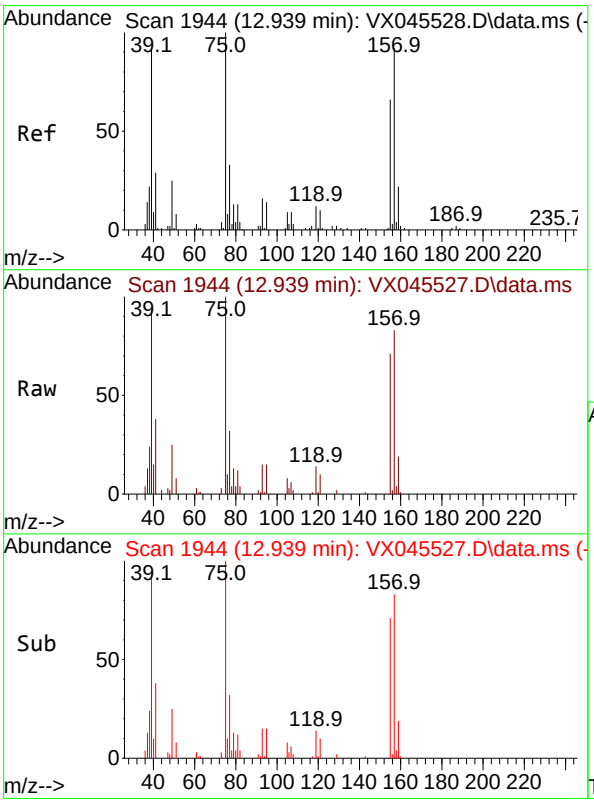
Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.9	68.8
148	63.6	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

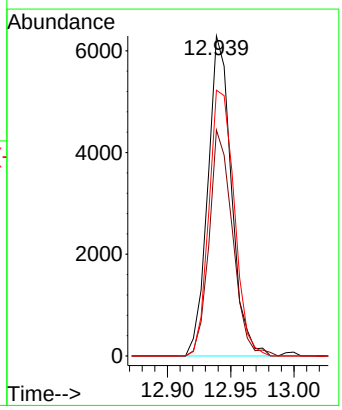
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

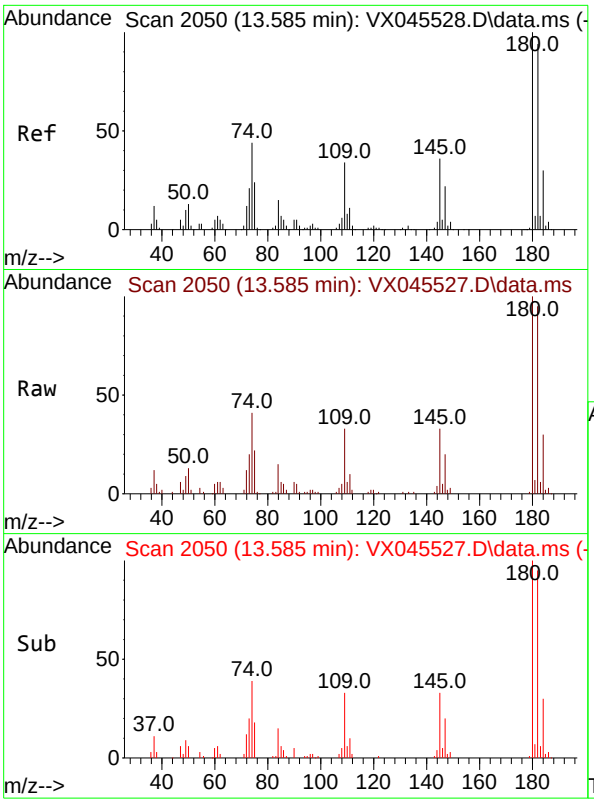


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.203 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

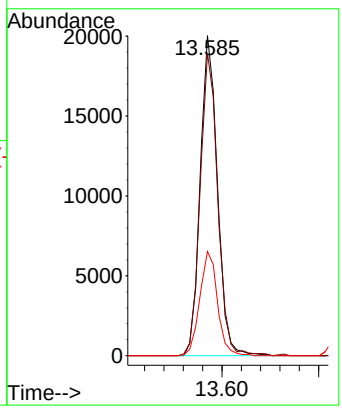




#93
1,2,4-Trichlorobenzene
Concen: 20.347 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:180 Resp: 2478

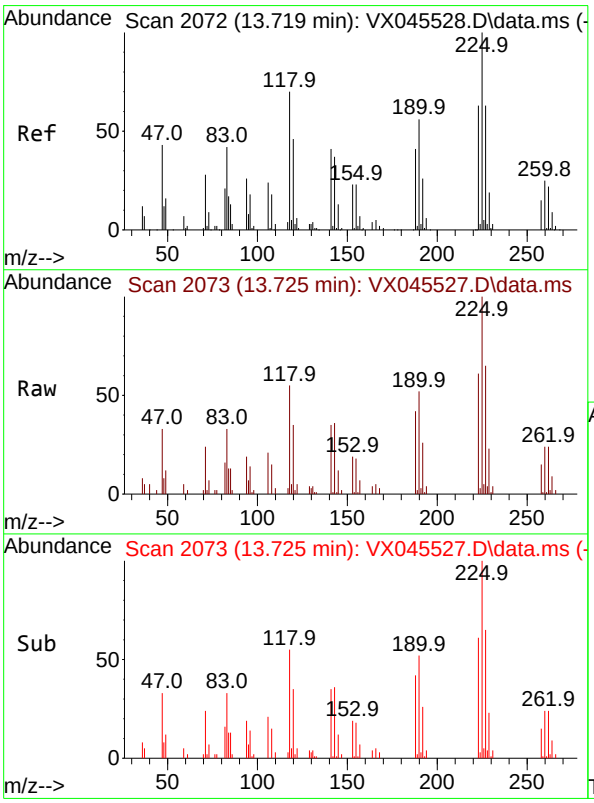
Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.6
145	33.6	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

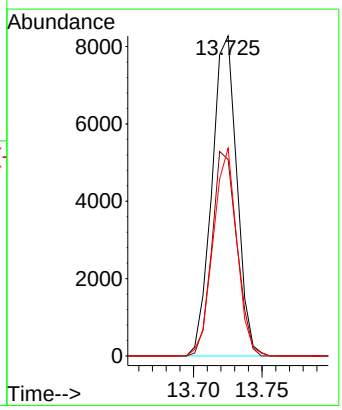
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

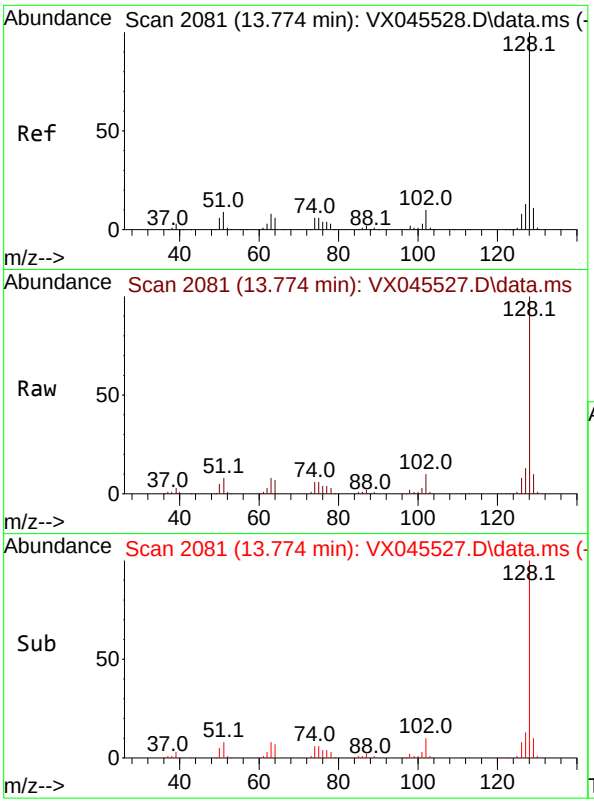


#94
Hexachlorobutadiene
Concen: 19.979 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

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

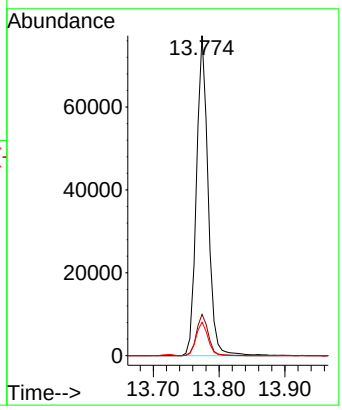




#95
Naphthalene
Concen: 20.928 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045527.D
Acq: 01 Apr 2025 17:52

Tgt Ion:128 Resp: 9487

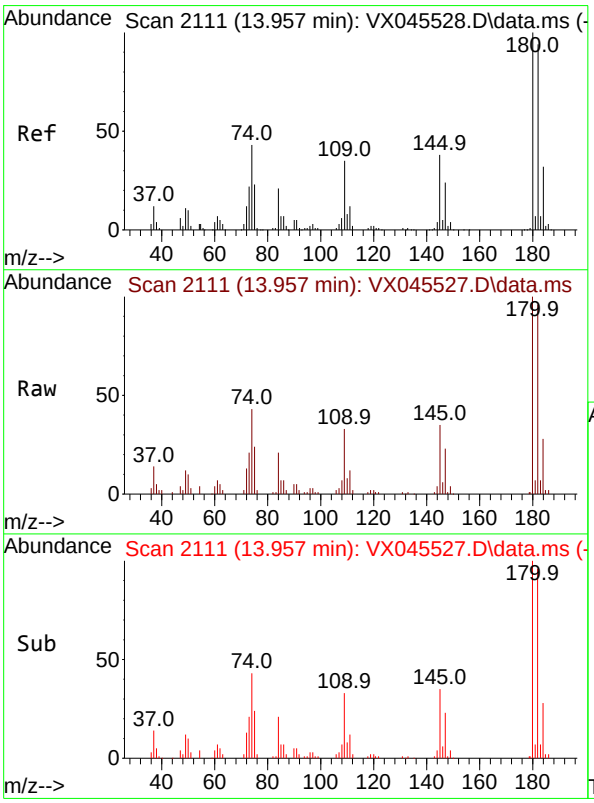
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

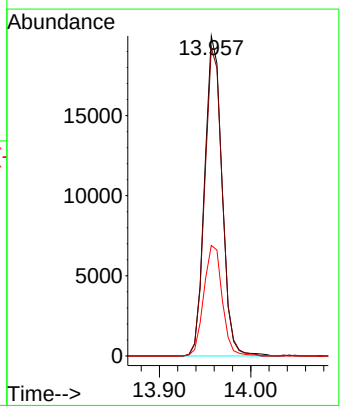
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#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



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)
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

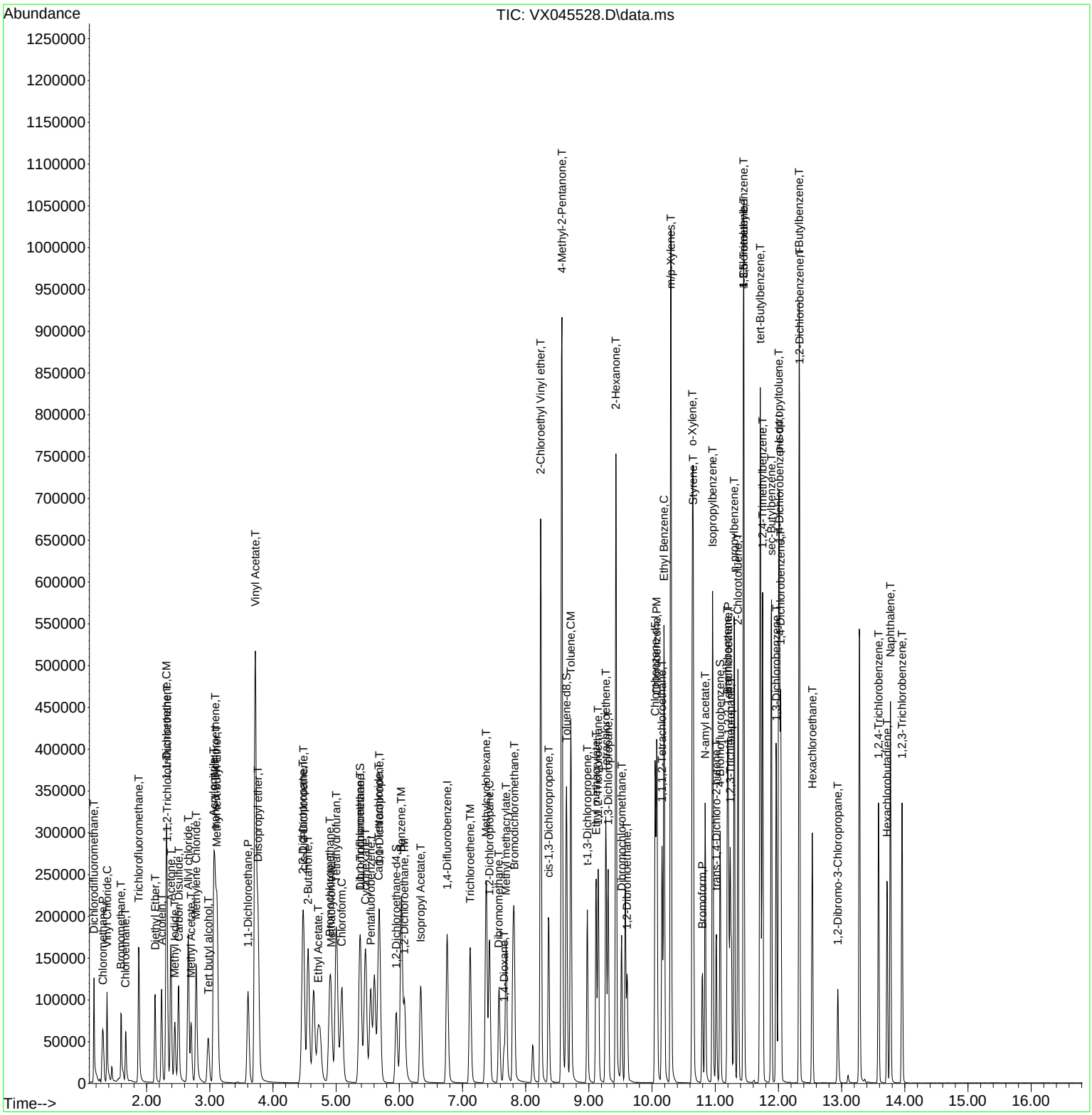
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

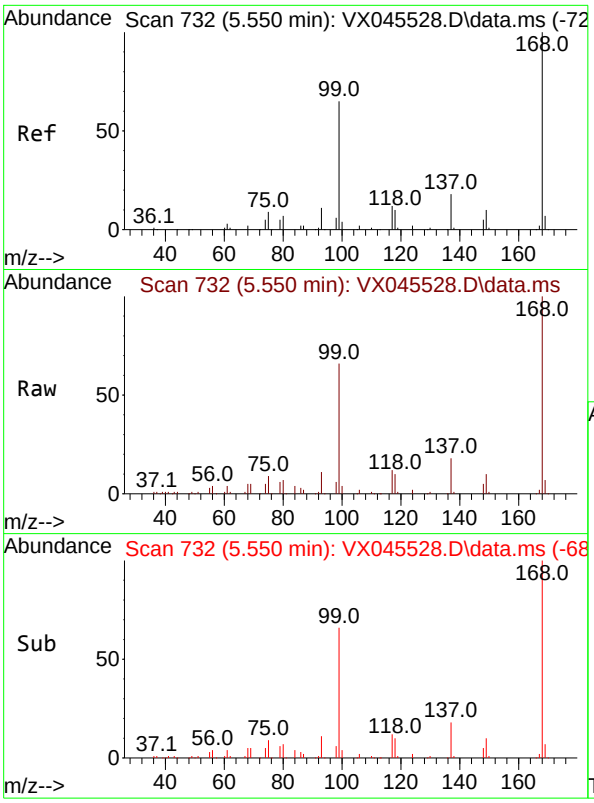
Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

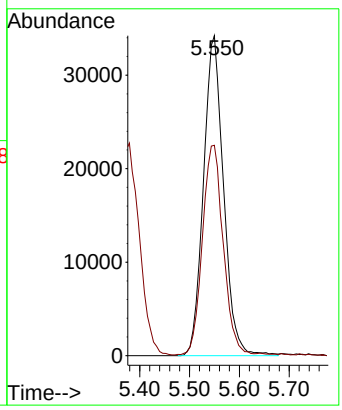




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:168 Resp: 9565

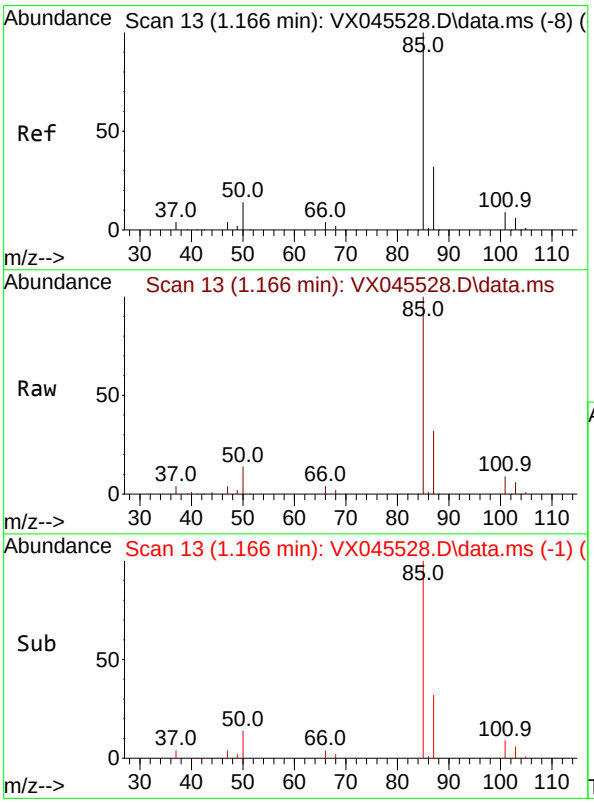
Ion	Ratio	Lower	Upper
168	100		
99	65.4	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

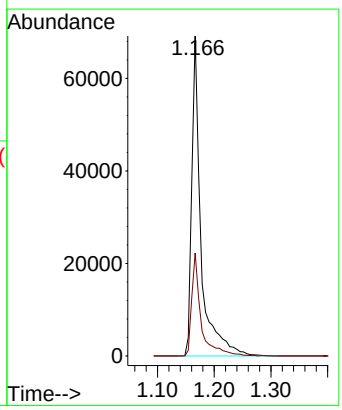
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

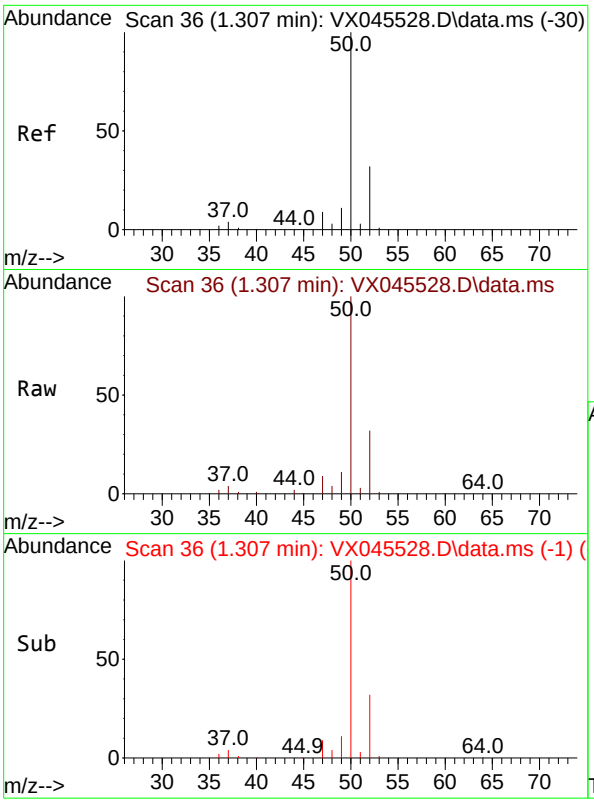


#2
Dichlorodifluoromethane
Concen: 54.834 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 85 Resp: 78444

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.1	48.2

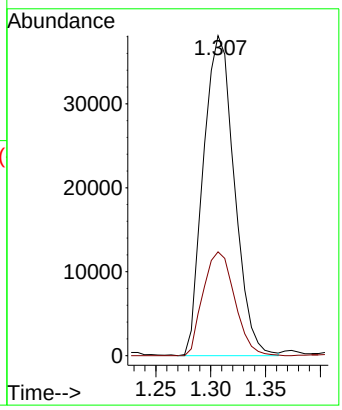




#3
Chloromethane
Concen: 51.054 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 50 Resp: 7503

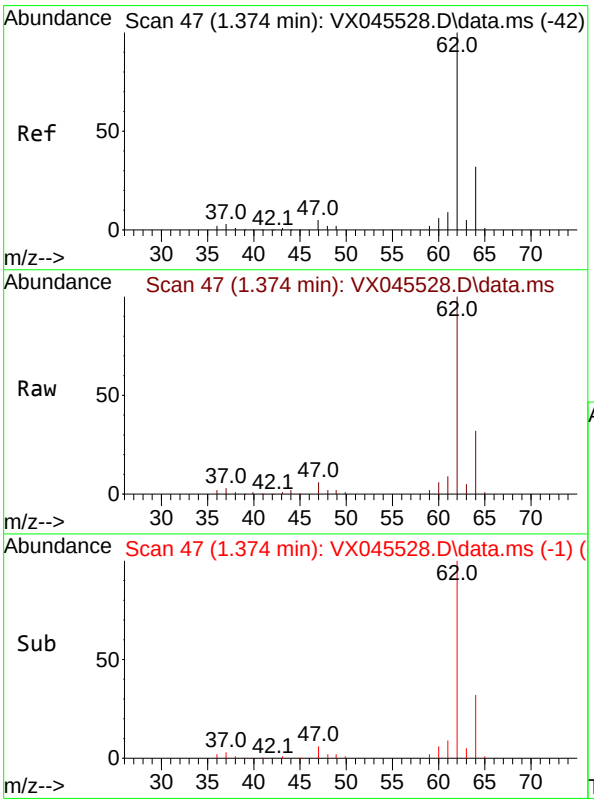
Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

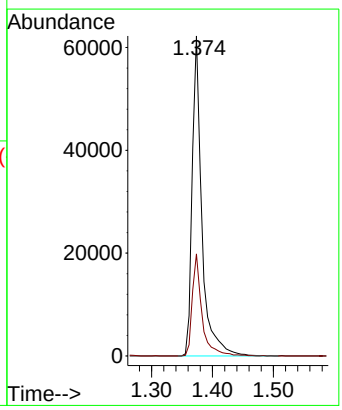
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

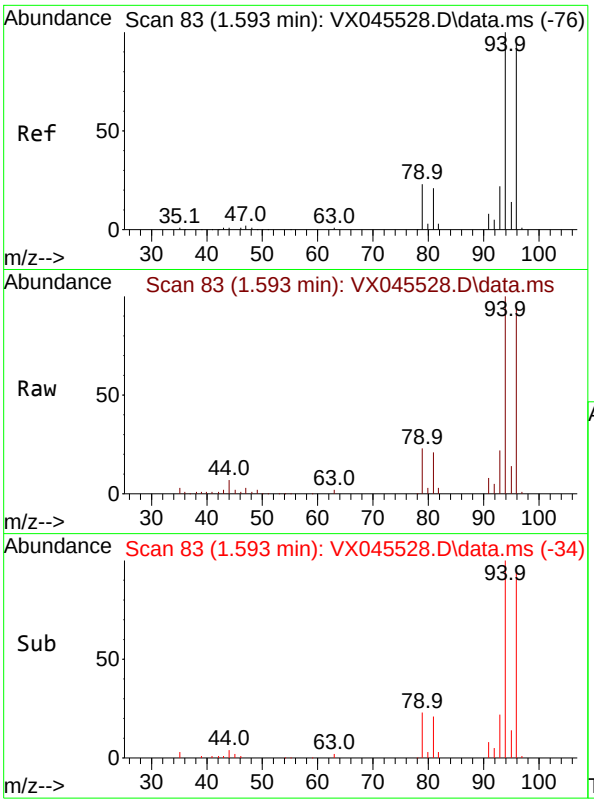


#4
Vinyl Chloride
Concen: 50.942 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 62 Resp: 68516

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3

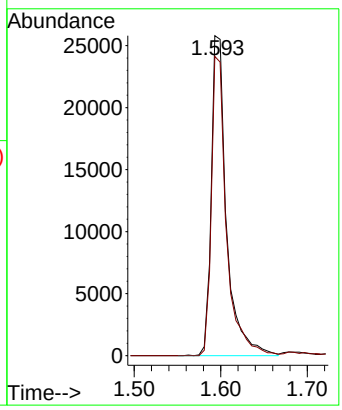




#5
Bromomethane
Concen: 49.526 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 94 Resp: 3158

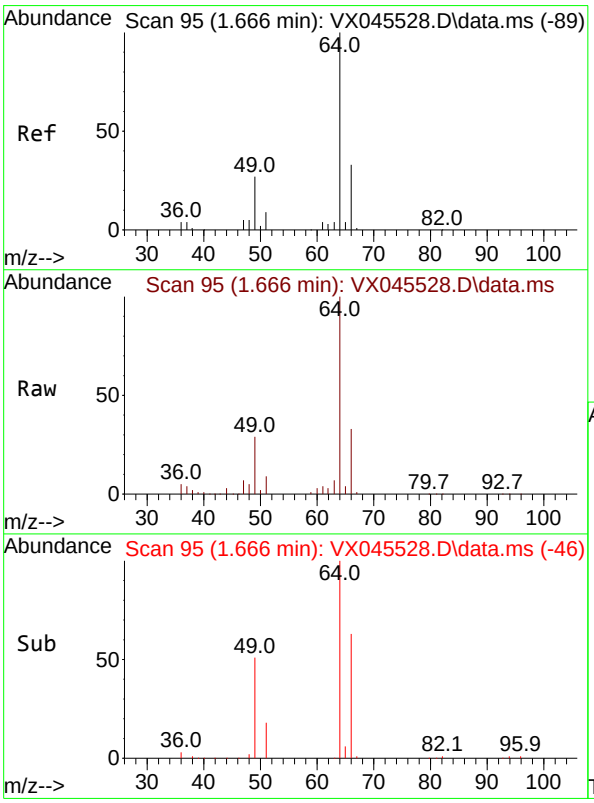
Ion	Ratio	Lower	Upper
94	100		
96	93.5	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

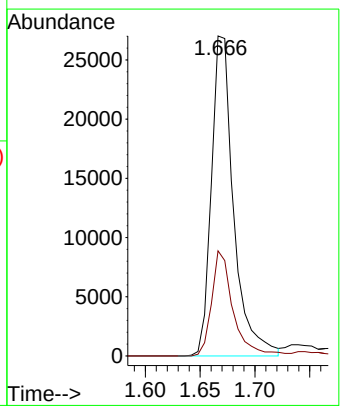
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

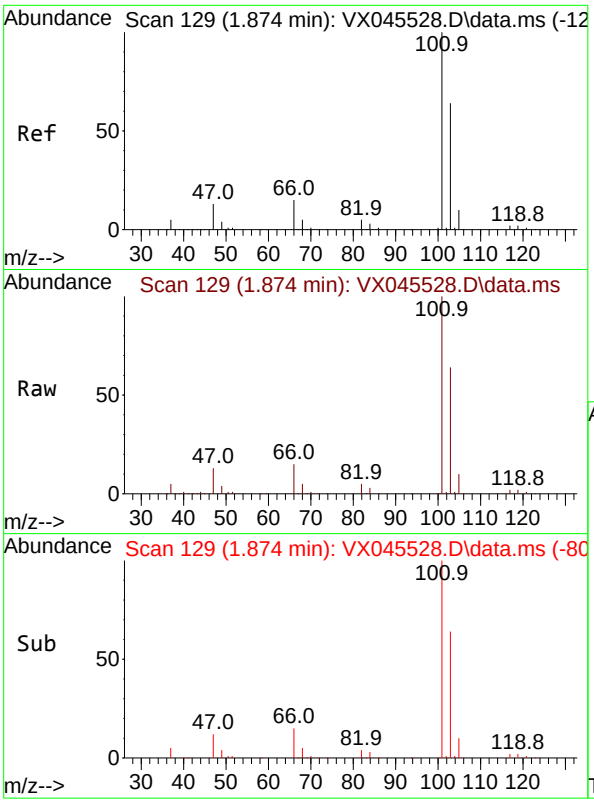


#6
Chloroethane
Concen: 53.409 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 64 Resp: 38112

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.3	39.5

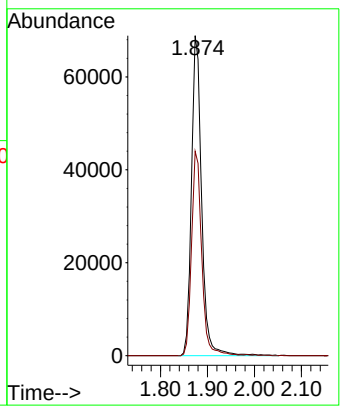




#7
Trichlorofluoromethane
Concen: 51.798 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:101 Resp: 10388

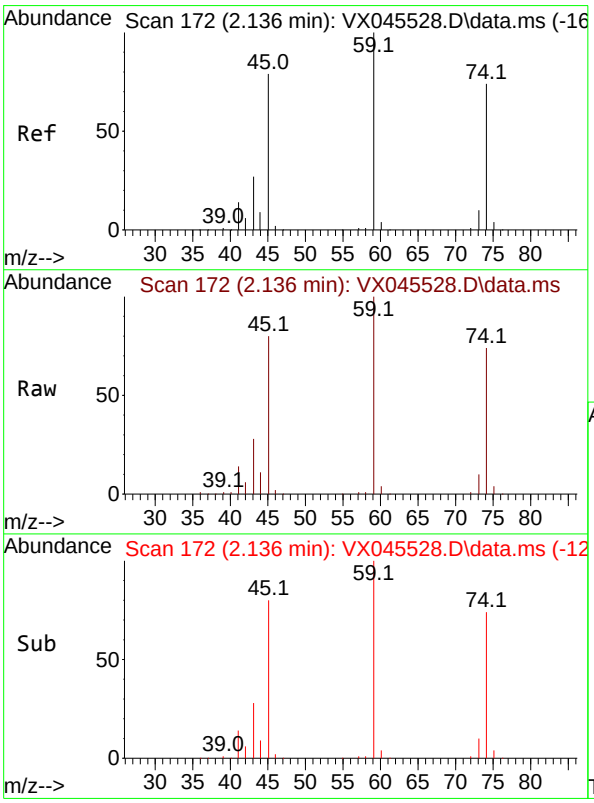
Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

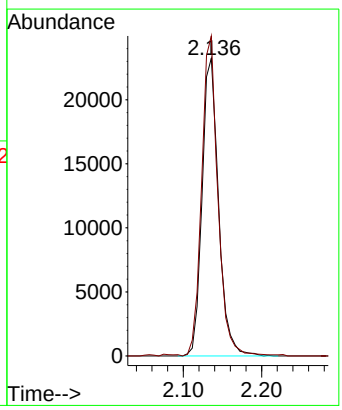
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

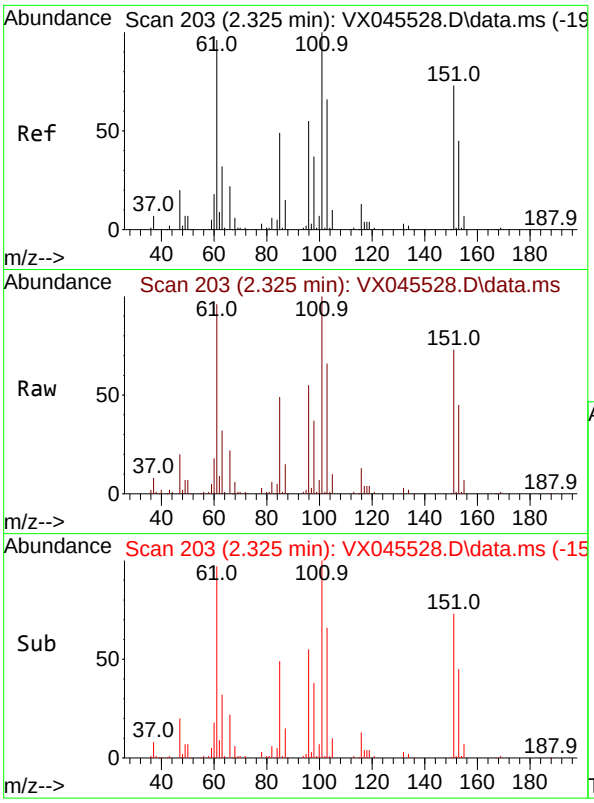


#8
Diethyl Ether
Concen: 50.424 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

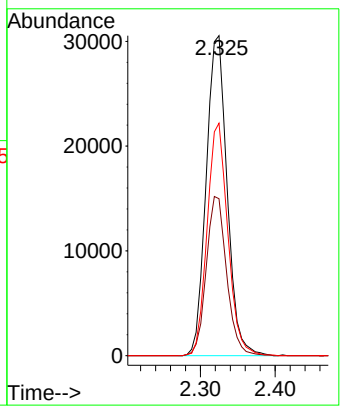
Tgt Ion:101 Resp: 5943

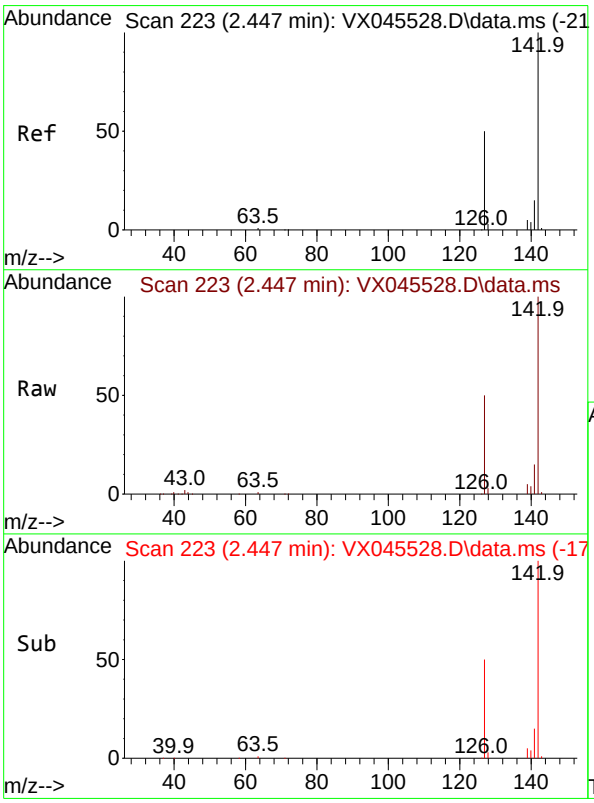
Ion	Ratio	Lower	Upper
101	100		
85	48.6	38.9	58.3
151	71.9	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

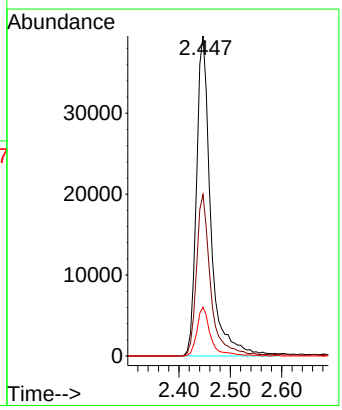


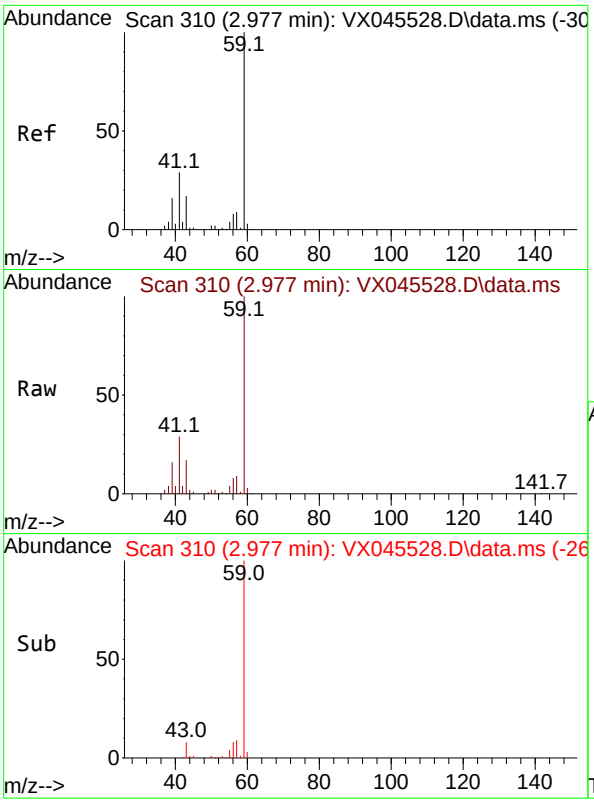


#10
Methyl Iodide
Concen: 52.121 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

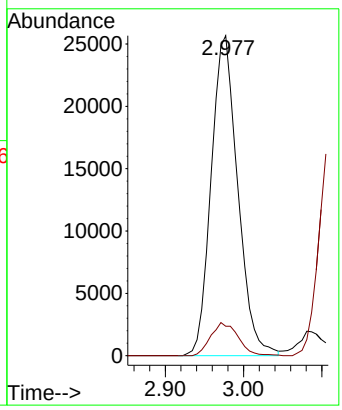
Tgt Ion: 59 Resp: 6061

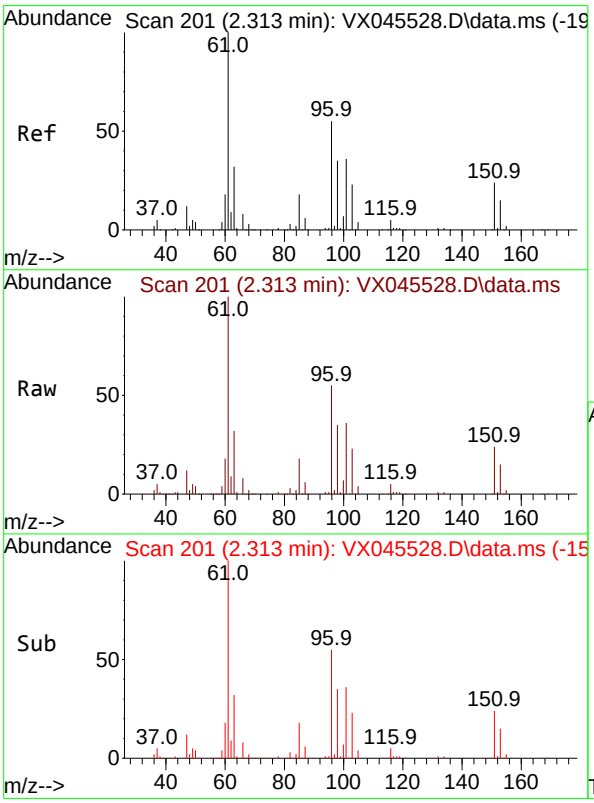
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

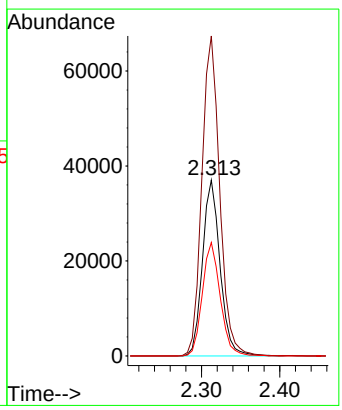


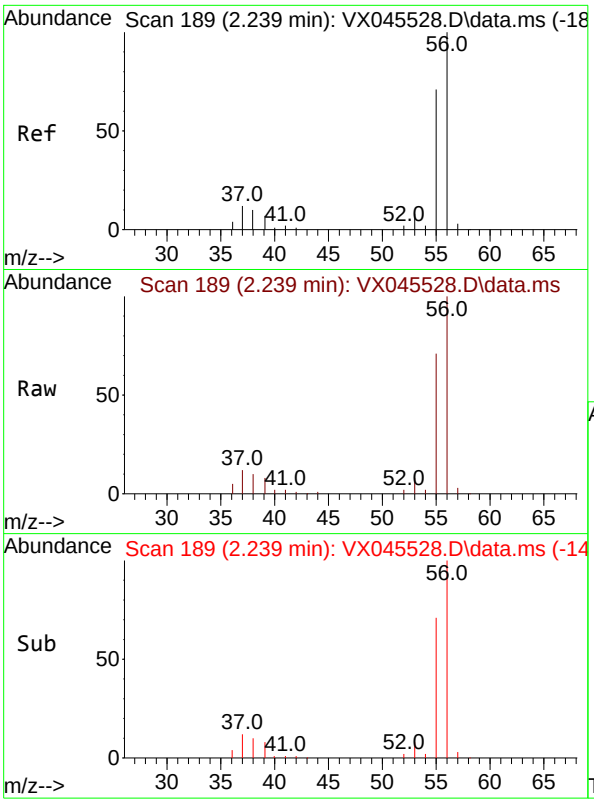


#12
1,1-Dichloroethene
Concen: 50.278 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

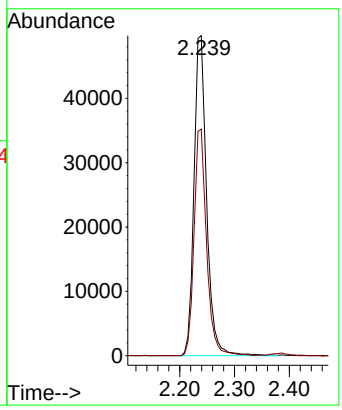




#13
Acrolein
Concen: 247.074 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 56 Resp: 7998

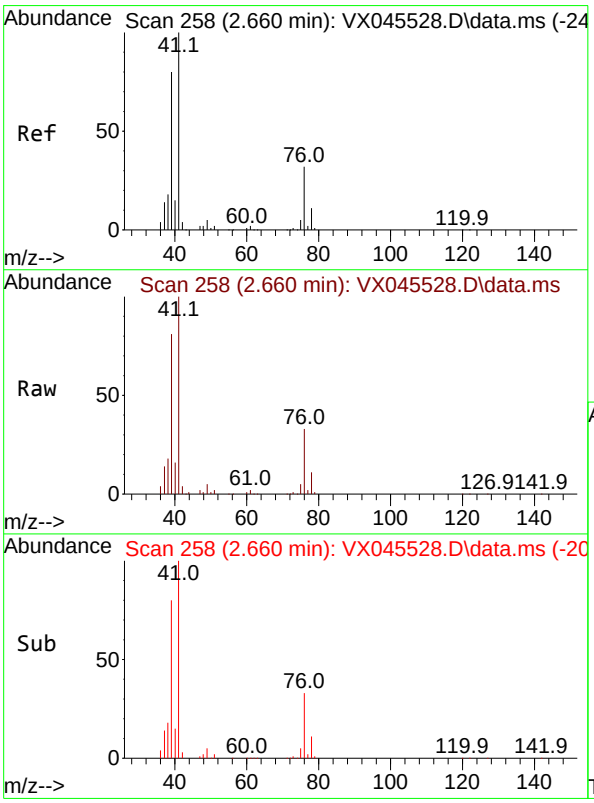
Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

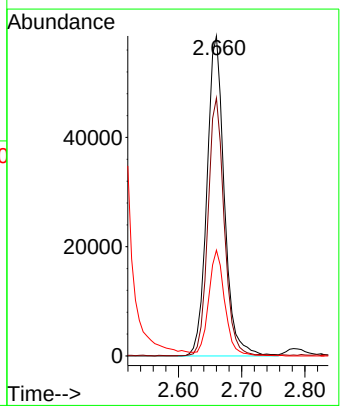
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

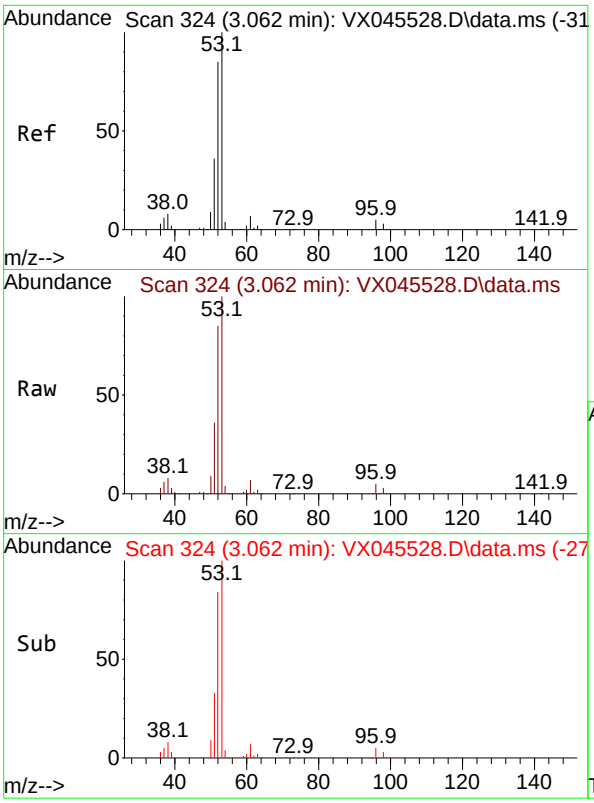


#14
Allyl chloride
Concen: 51.441 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

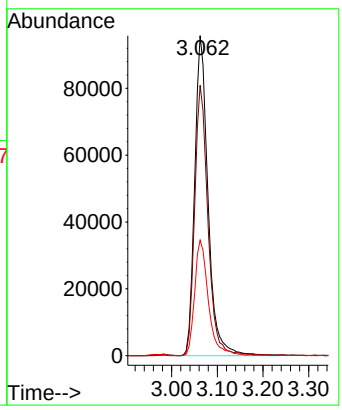




#15
Acrylonitrile
Concen: 262.015 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 53 Resp: 19444

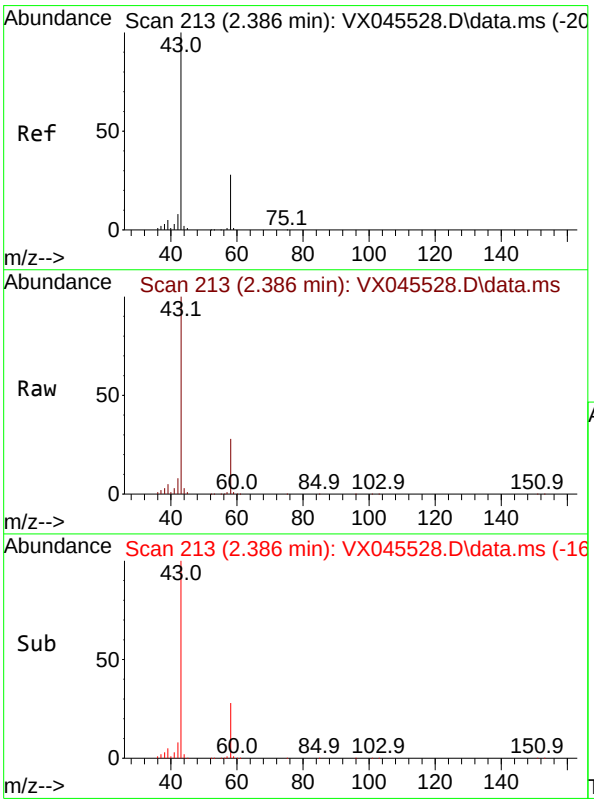
Ion	Ratio	Lower	Upper
53	100		
52	84.3	67.4	101.2
51	37.4	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

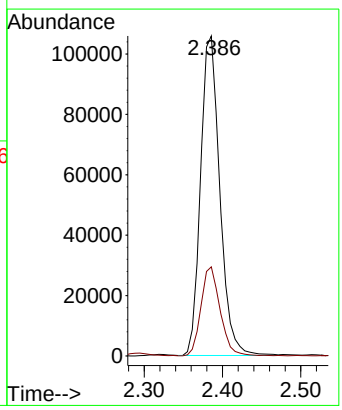
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

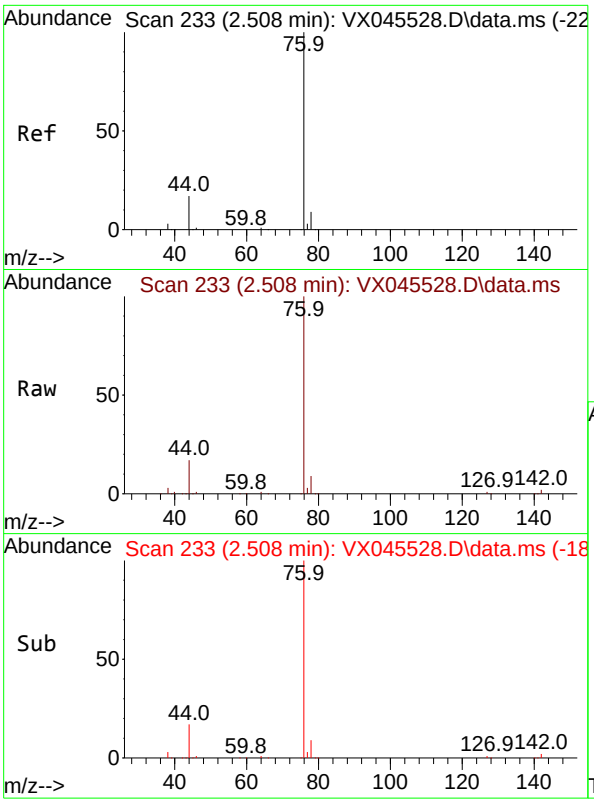


#16
Acetone
Concen: 251.366 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 180563

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.3	33.5

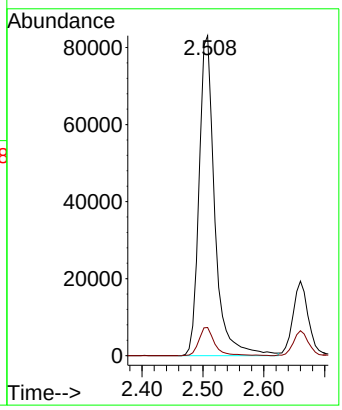




#17
Carbon Disulfide
Concen: 52.393 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 76 Resp: 14860

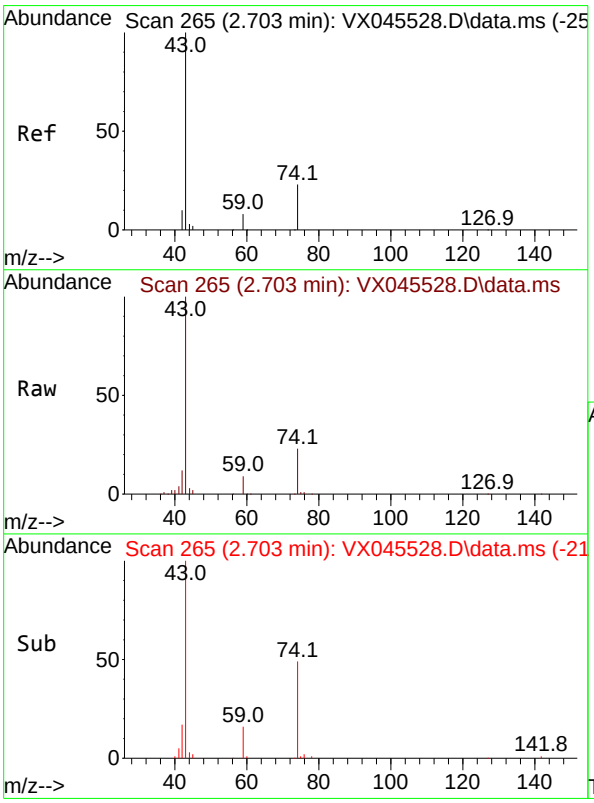
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

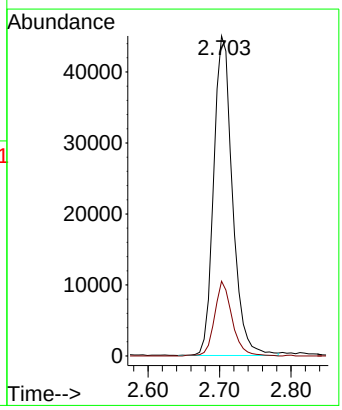
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

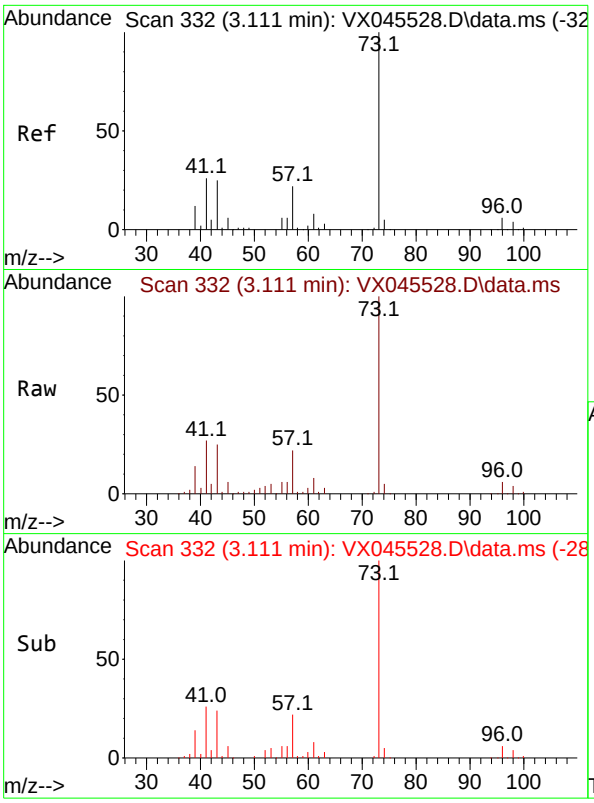


#18
Methyl Acetate
Concen: 49.581 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 82000

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.5	26.3

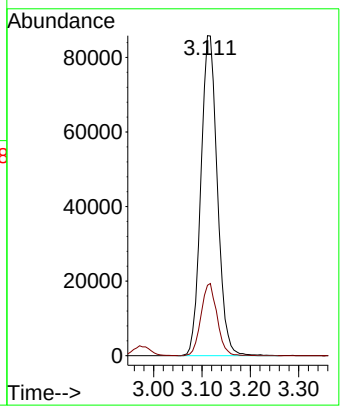




#19
Methyl tert-butyl Ether
Concen: 50.429 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 73 Resp: 20258

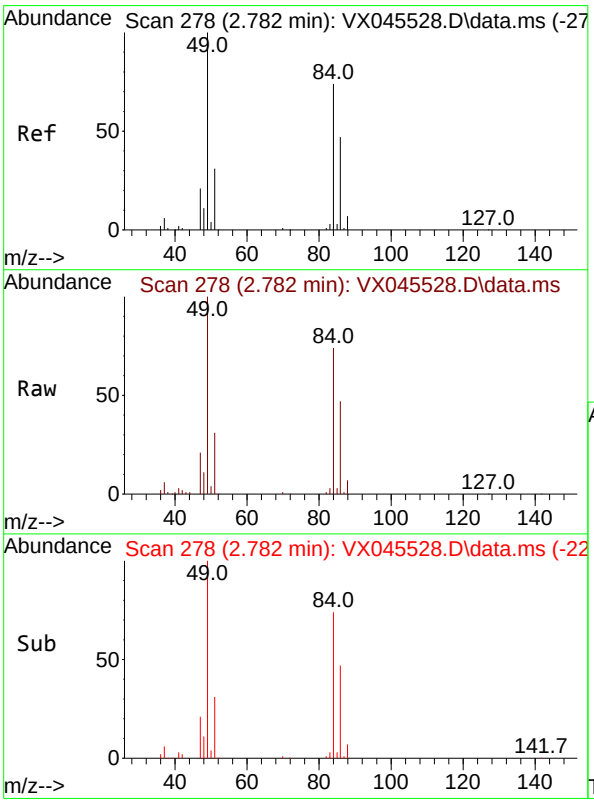
Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

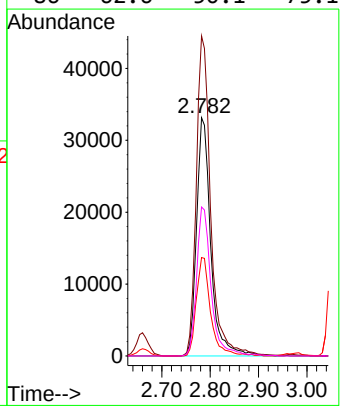
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

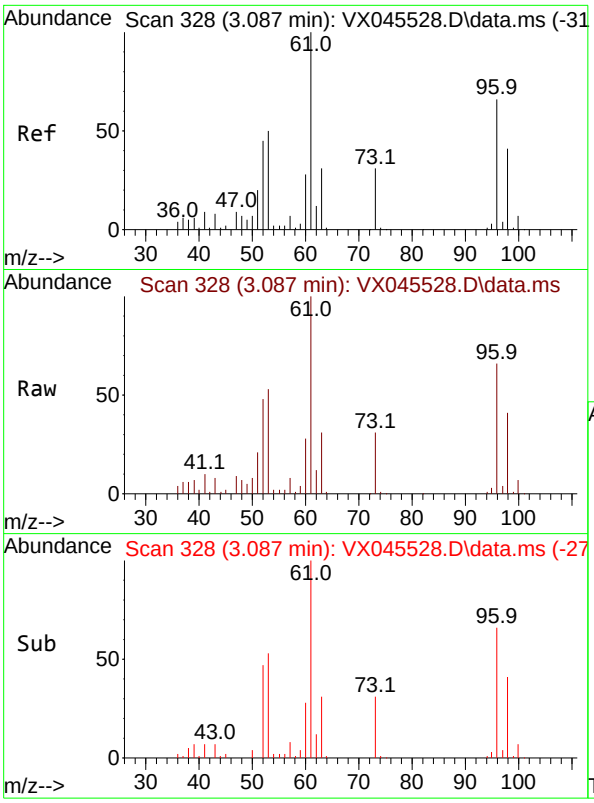


#20
Methylene Chloride
Concen: 50.457 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

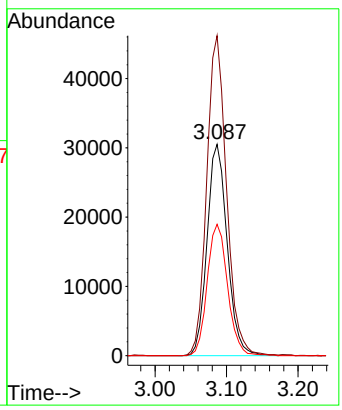




#21
trans-1,2-Dichloroethene
Concen: 50.882 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 96 Resp: 5969

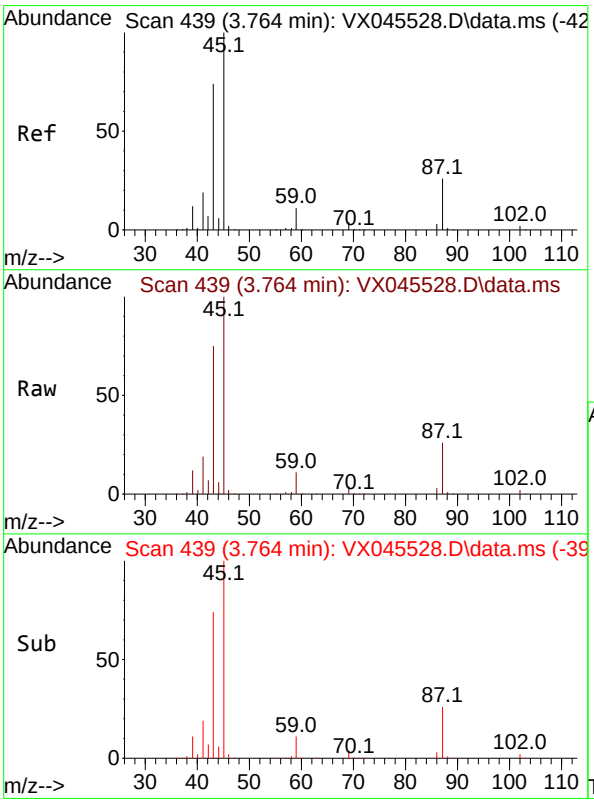
Ion	Ratio	Lower	Upper
96	100		
61	151.3	121.0	181.6
98	62.1	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

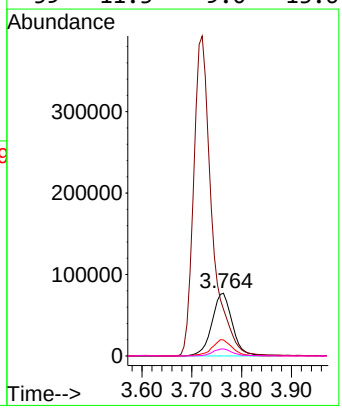
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

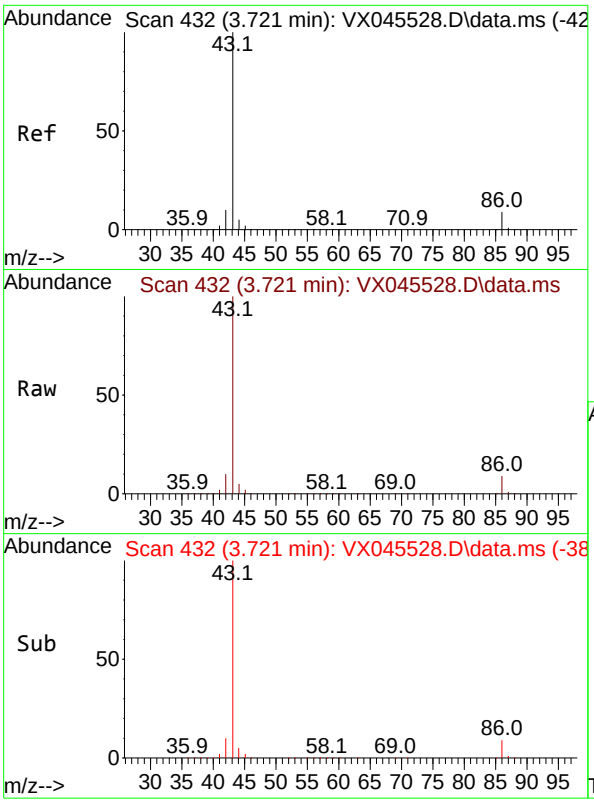


#22
Diisopropyl ether
Concen: 51.111 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

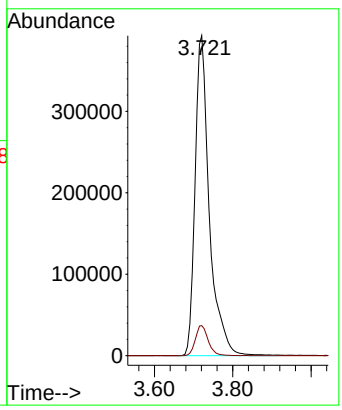
Tgt Ion: 43 Resp: 99806

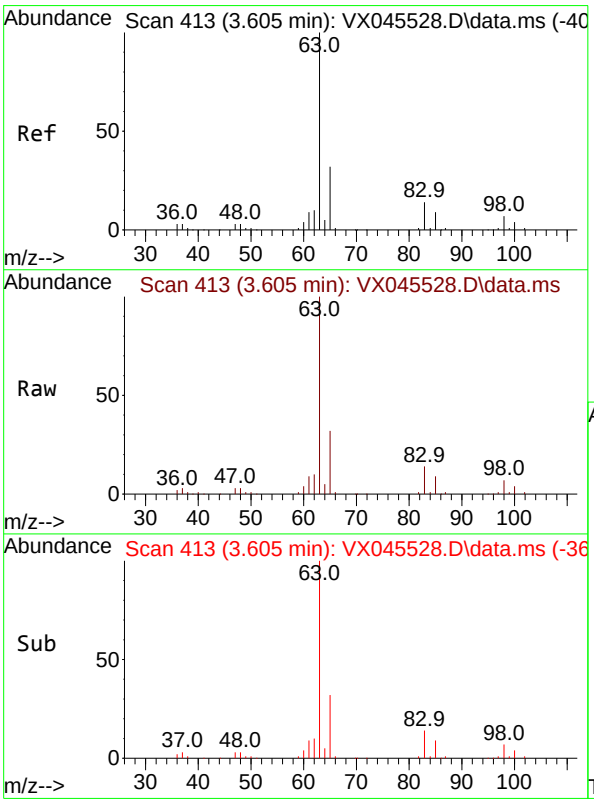
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

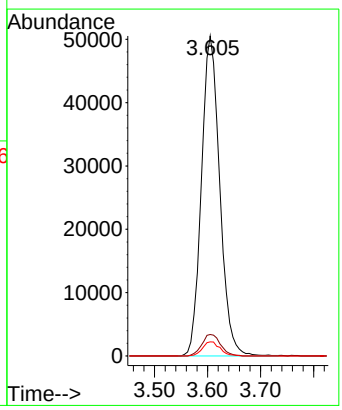


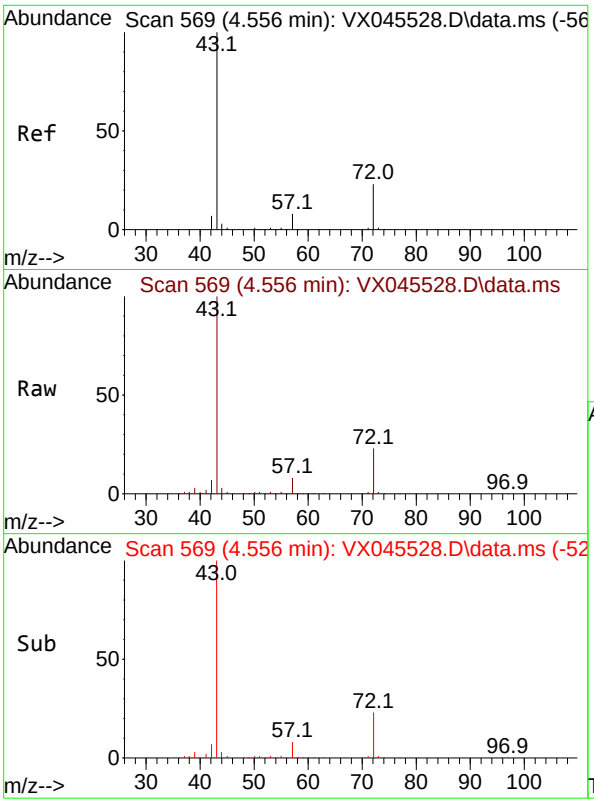


#24
1,1-Dichloroethane
Concen: 49.992 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

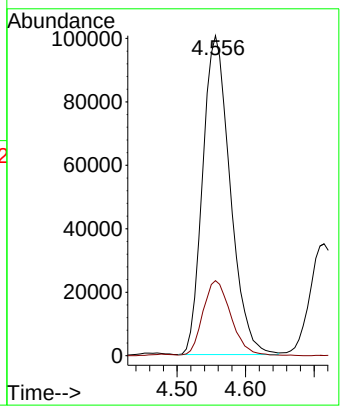
Tgt Ion: 43 Resp: 28007

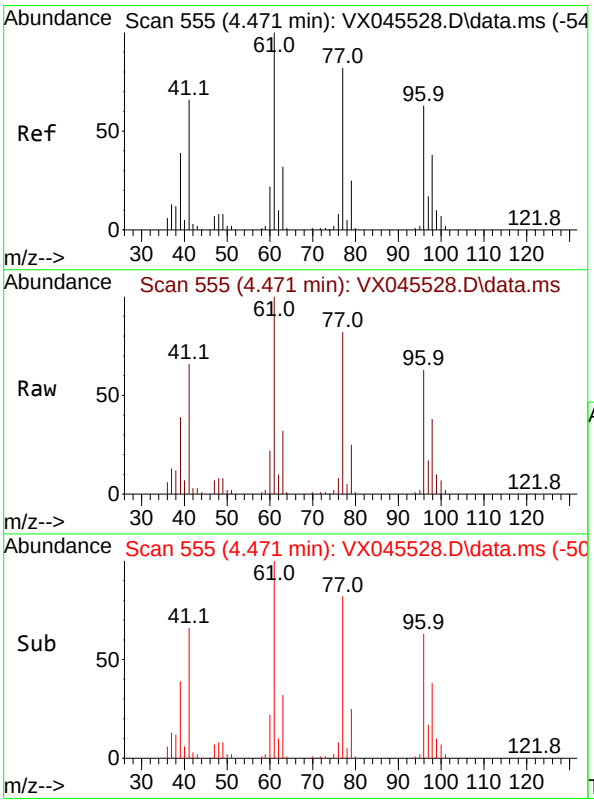
Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.6	28.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

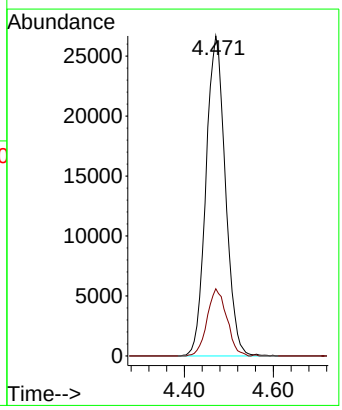


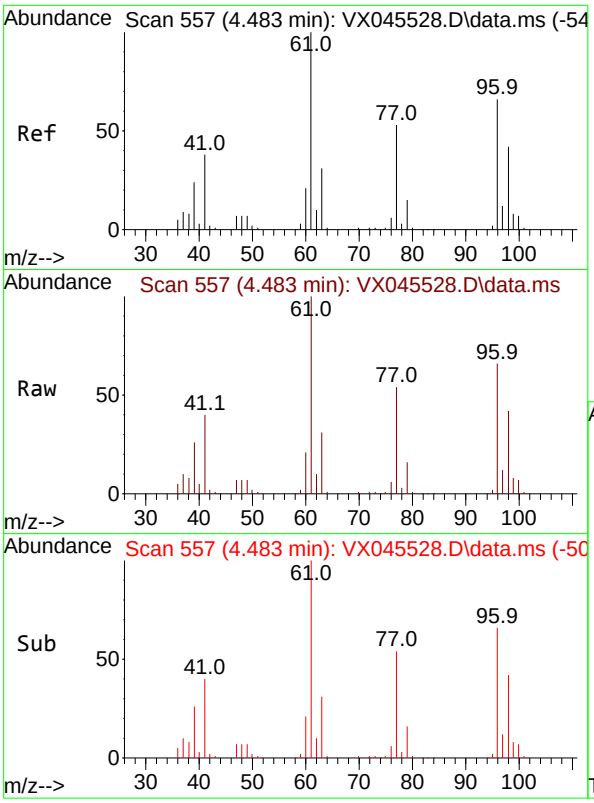


#26
2,2-Dichloropropane
Concen: 51.683 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

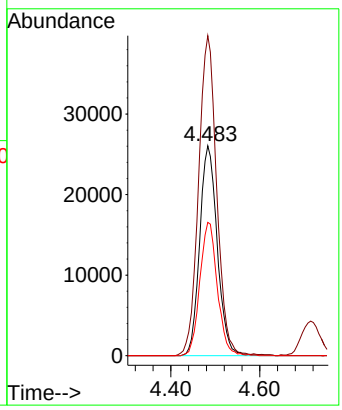
Tgt Ion: 96 Resp: 7187

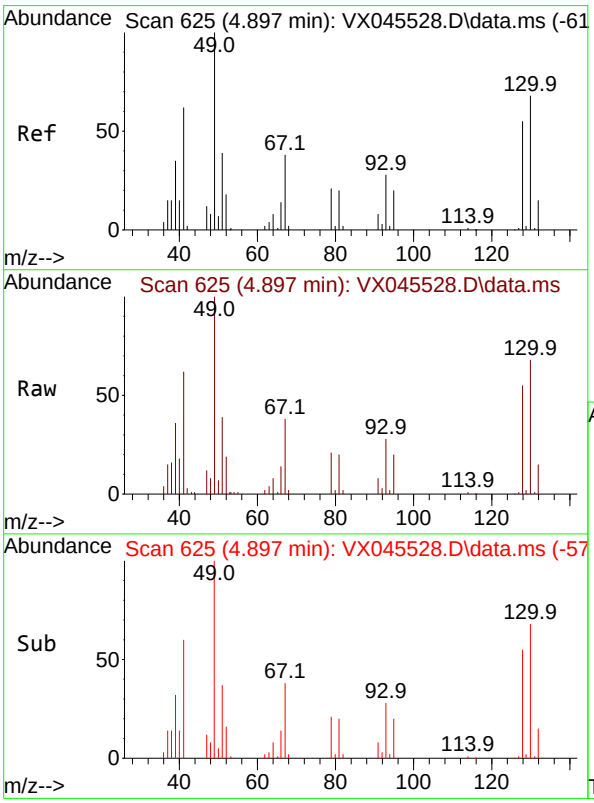
Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	313.2
98	63.2	0.0	126.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

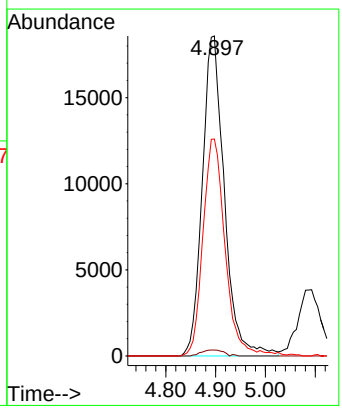


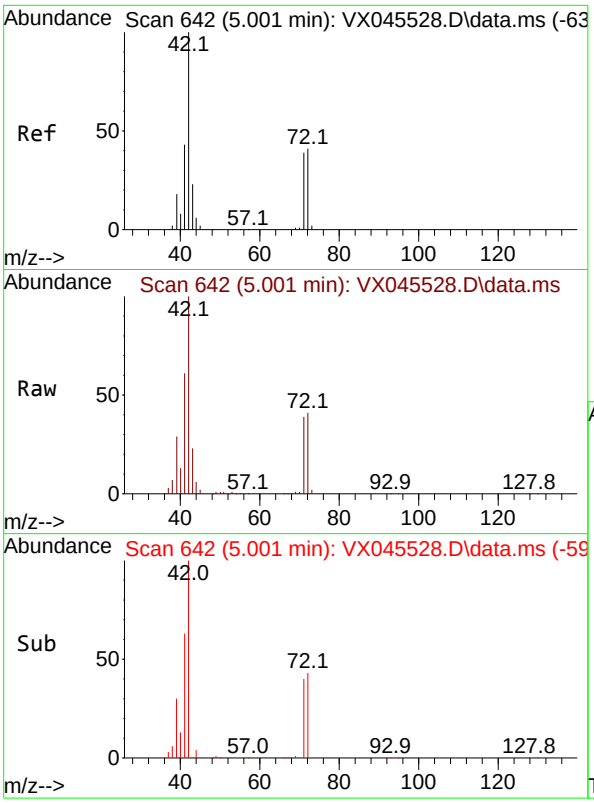


#28
Bromochloromethane
Concen: 48.632 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

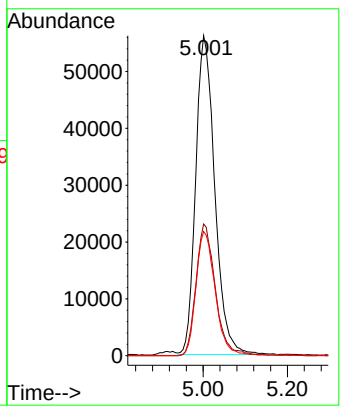
Tgt Ion: 42 Resp: 17740

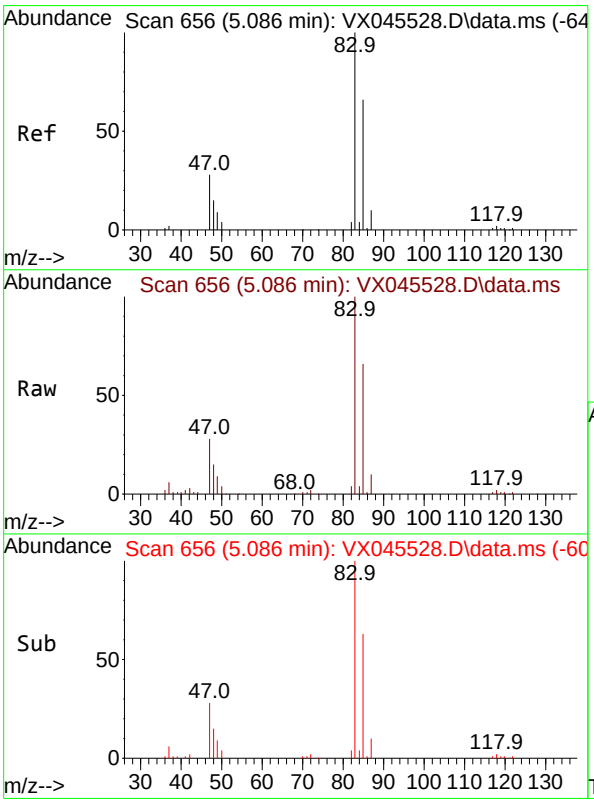
Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.4	50.0
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

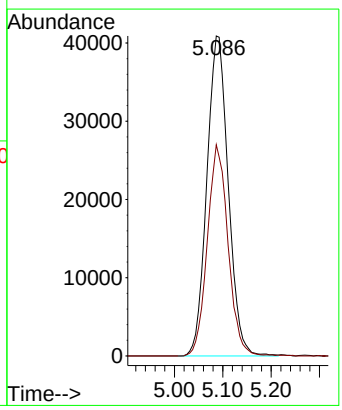


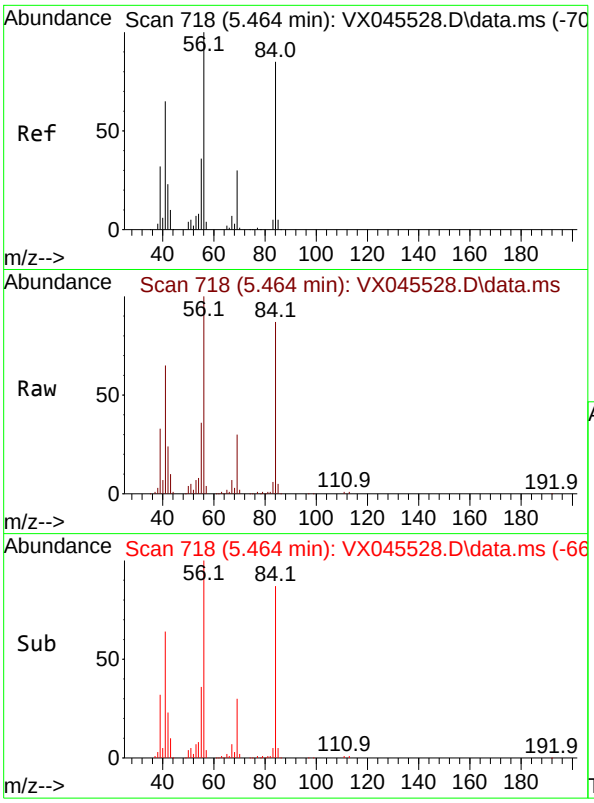


#30
Chloroform
Concen: 50.366 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 83 Resp: 125797

Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.8	79.2

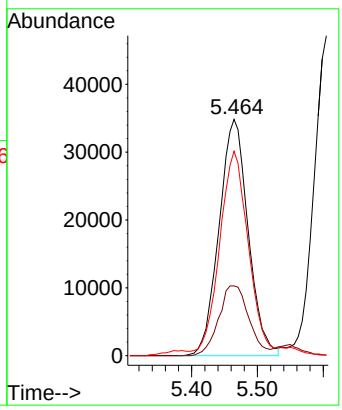




#31
Cyclohexane
Concen: 50.052 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 56 Resp: 10740

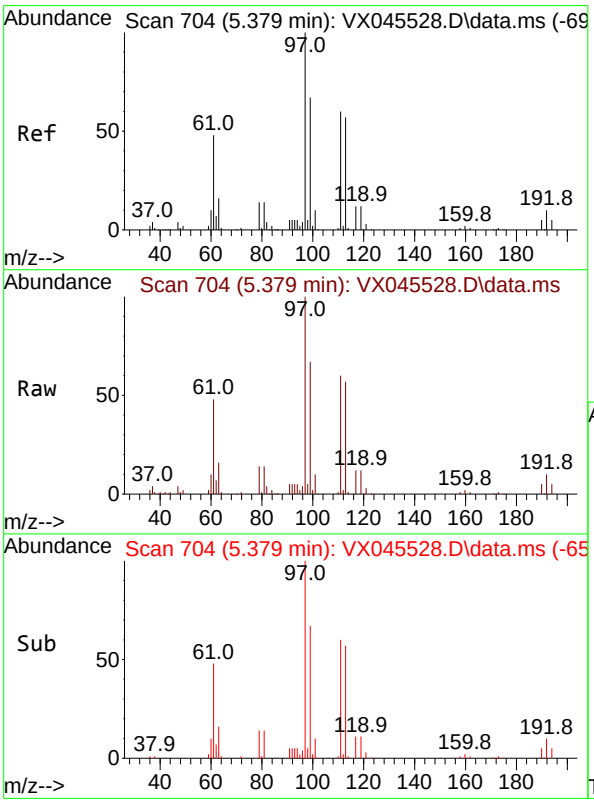
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.6	35.4
84	84.6	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

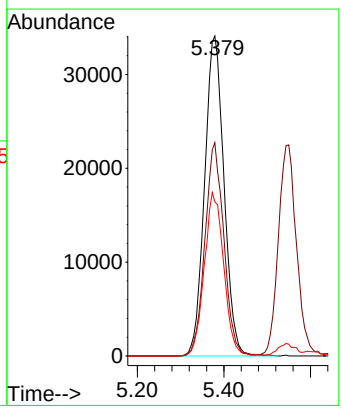
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

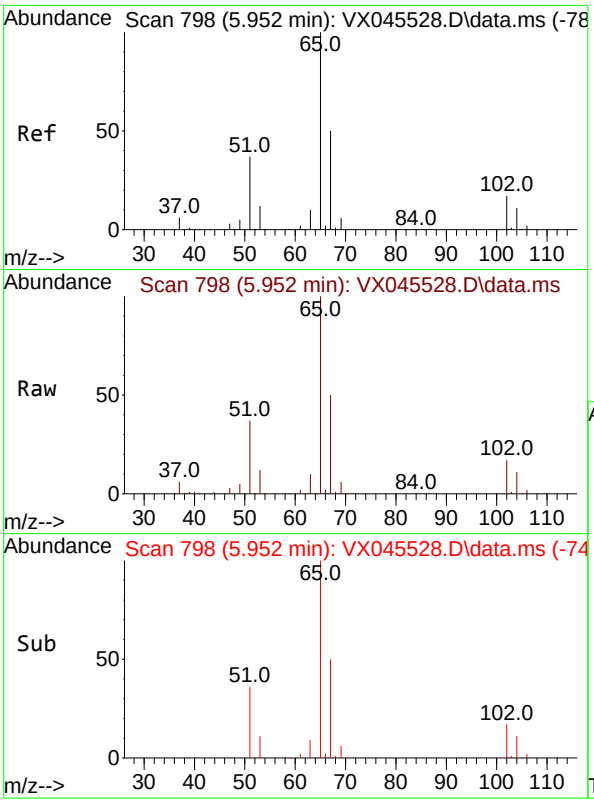


#32
1,1,1-Trichloroethane
Concen: 50.184 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

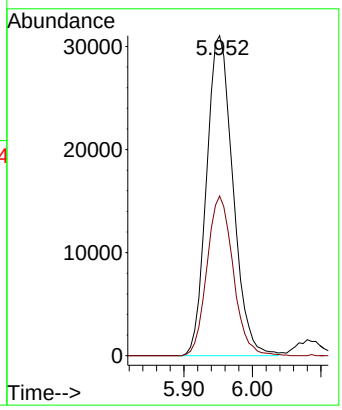




#33
1,2-Dichloroethane-d4
Concen: 47.477 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 65 Resp: 8305

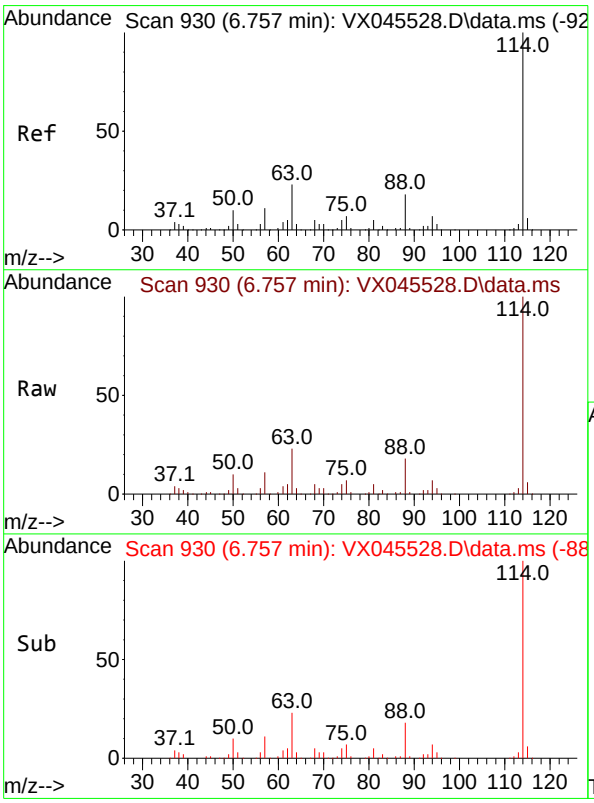
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

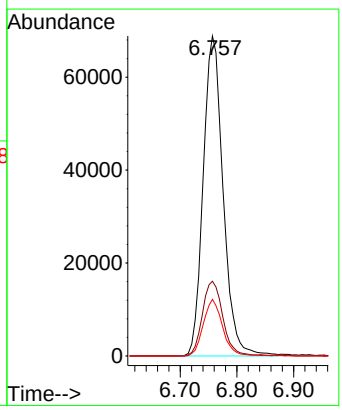
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

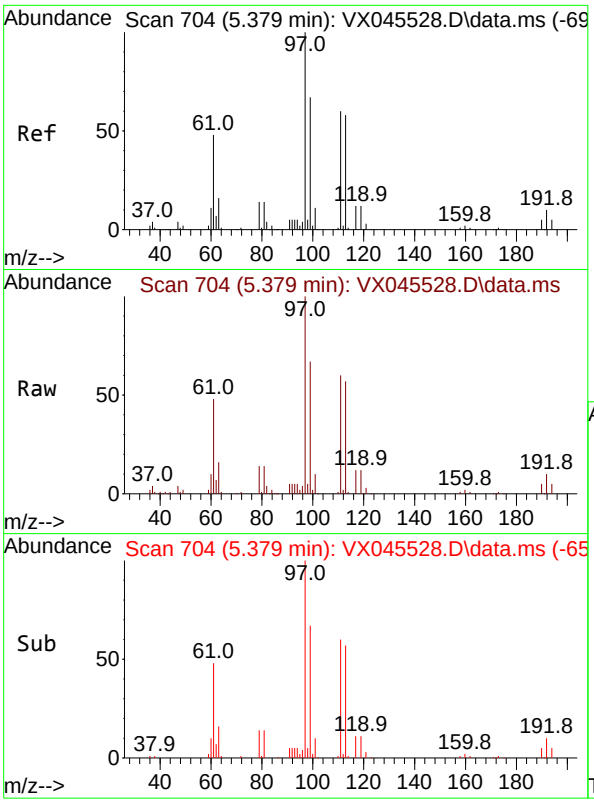


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

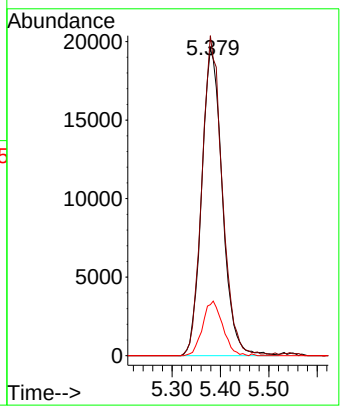




#35
Dibromofluoromethane
Concen: 48.667 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:113 Resp: 5810

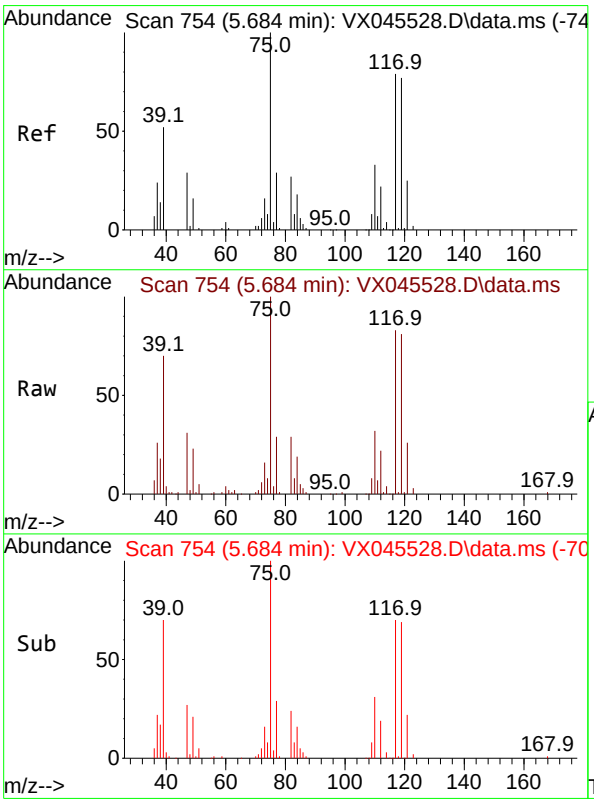
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.2	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

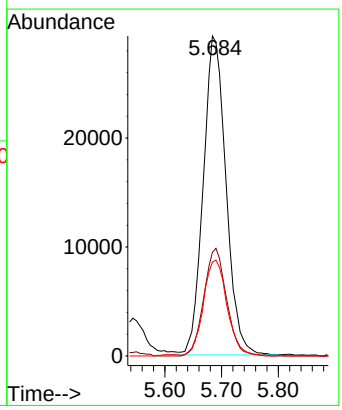
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

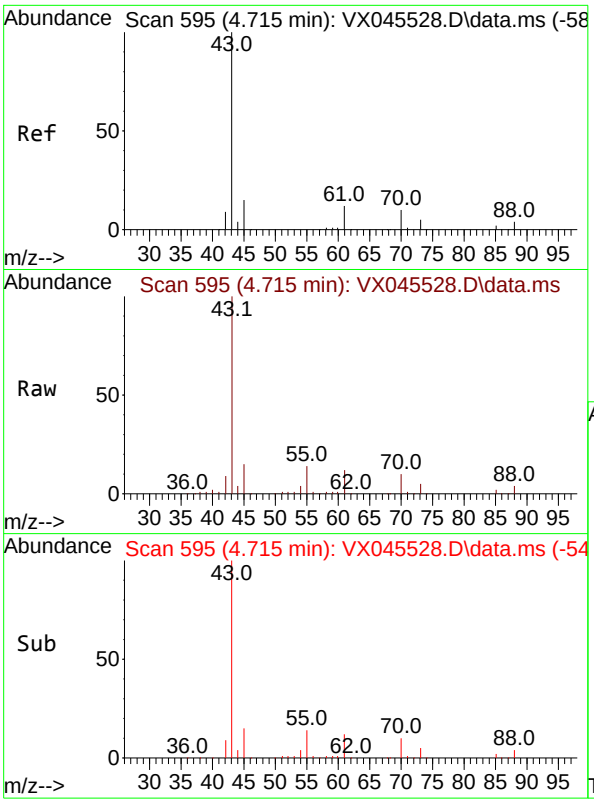


#36
1,1-Dichloropropene
Concen: 50.620 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

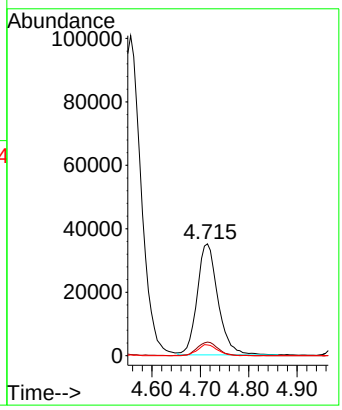




#37
Ethyl Acetate
Concen: 51.632 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 10489

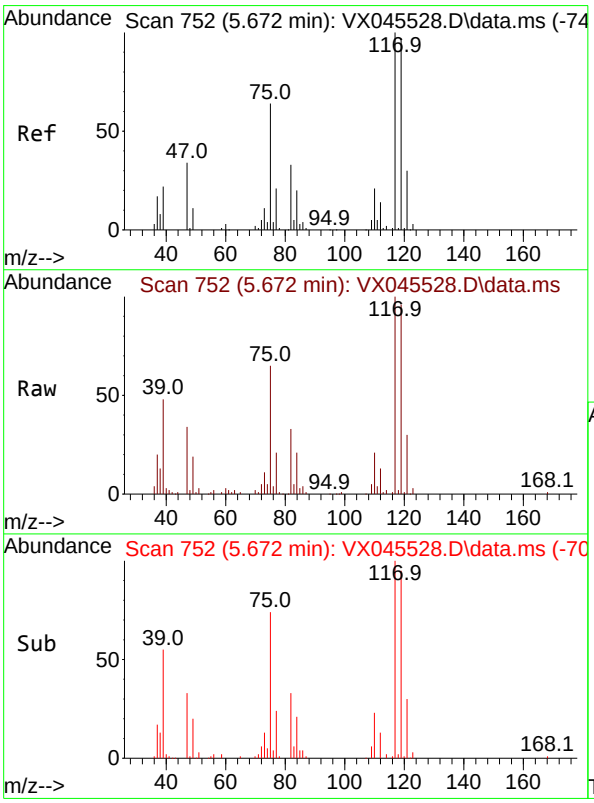
Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.9	14.9
70	9.4	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

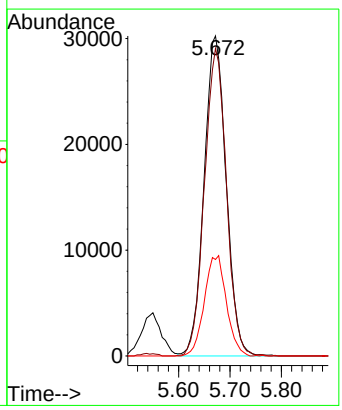
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

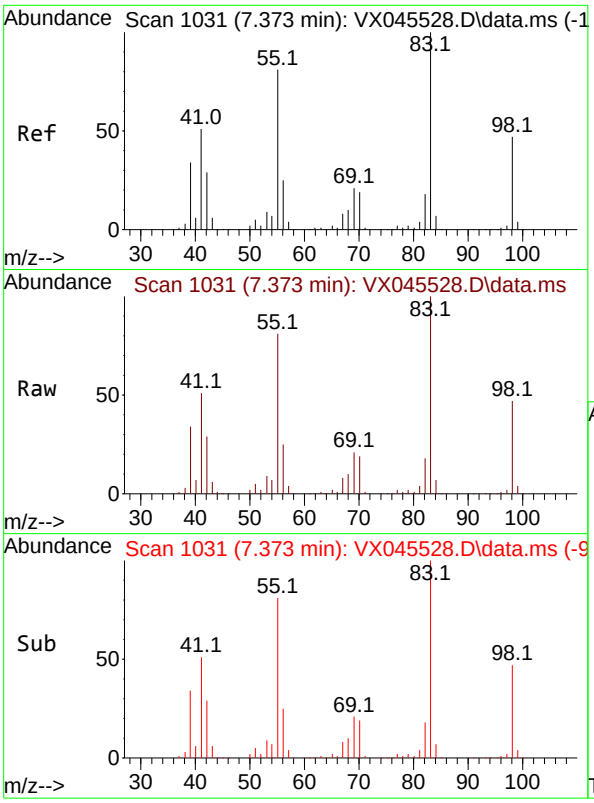


#38
Carbon Tetrachloride
Concen: 51.797 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

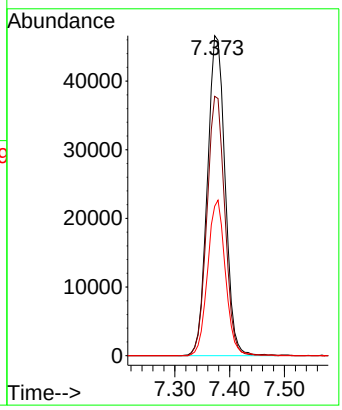




#39
Methylcyclohexane
Concen: 52.970 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 83 Resp: 10467

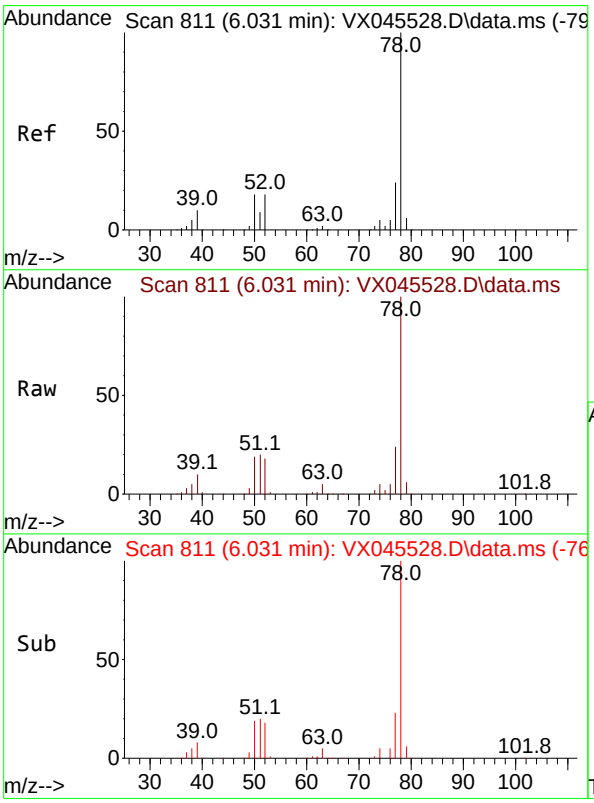
Ion	Ratio	Lower	Upper
83	100		
55	81.1	64.9	97.3
98	46.7	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

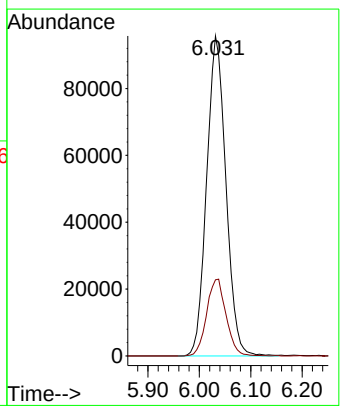
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

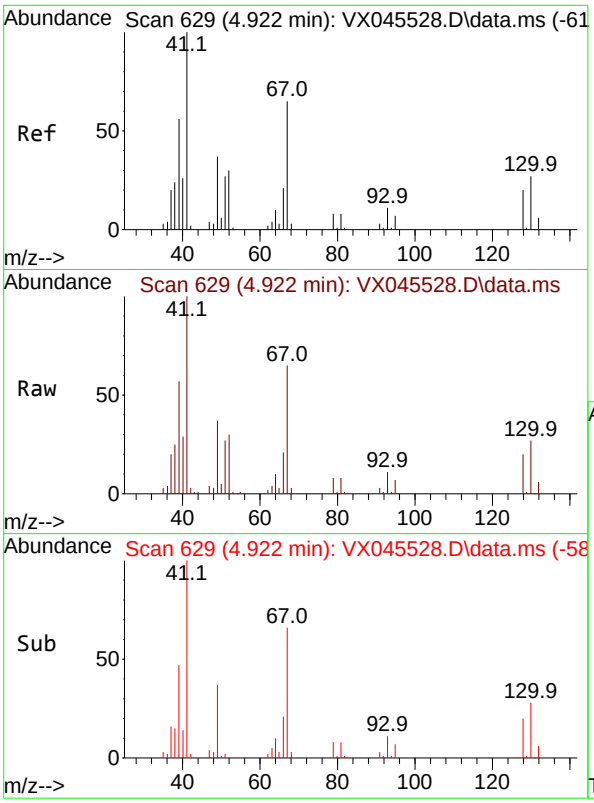


#40
Benzene
Concen: 50.605 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 78 Resp: 249161

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6

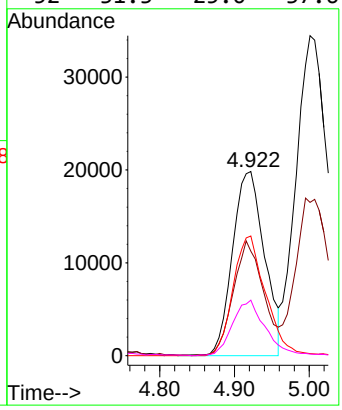




#41
Methacrylonitrile
Concen: 54.623 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 41 Resp: 5906

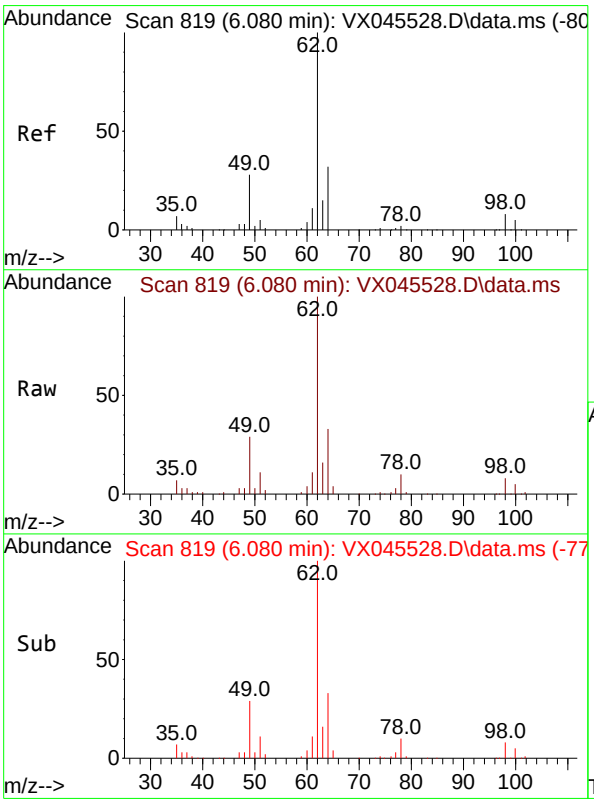
Ion	Ratio	Lower	Upper
41	100		
39	58.8	47.0	70.6
67	66.5	53.2	79.8
52	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

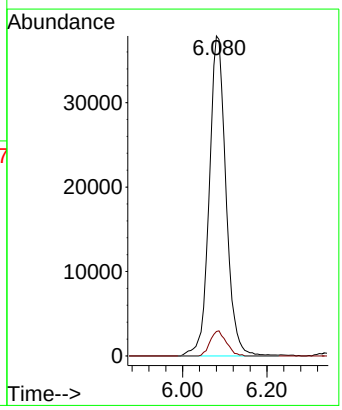
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

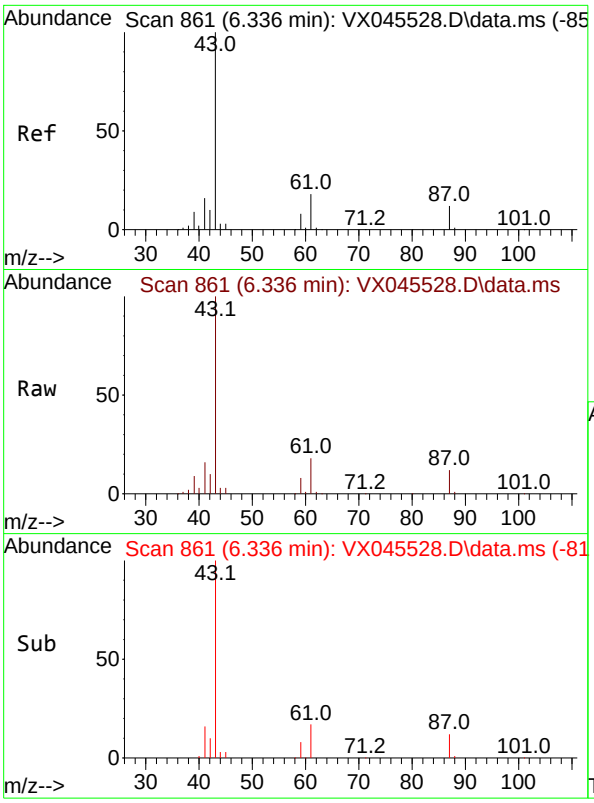


#42
1,2-Dichloroethane
Concen: 51.437 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

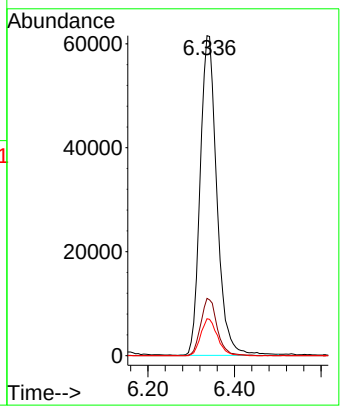
Tgt Ion: 43 Resp: 16458

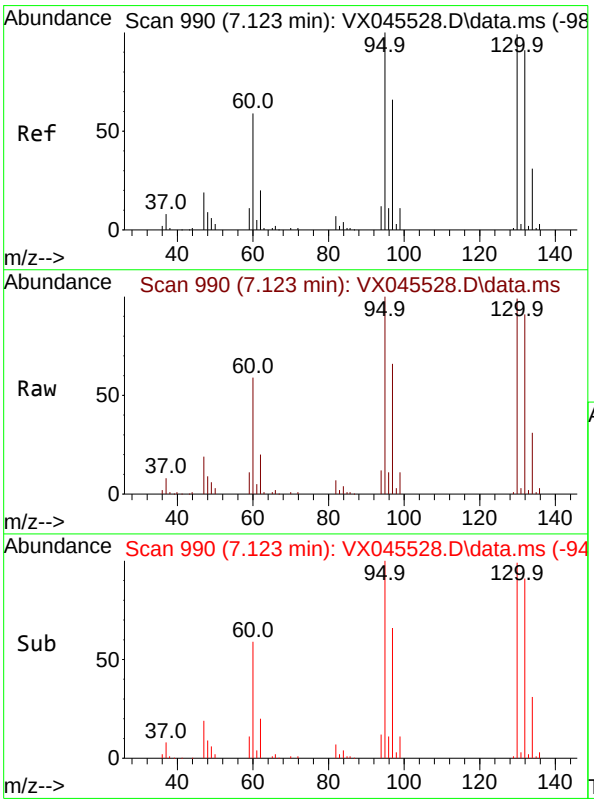
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.1	21.1
87	11.5	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

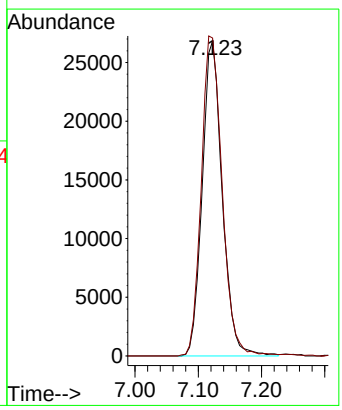


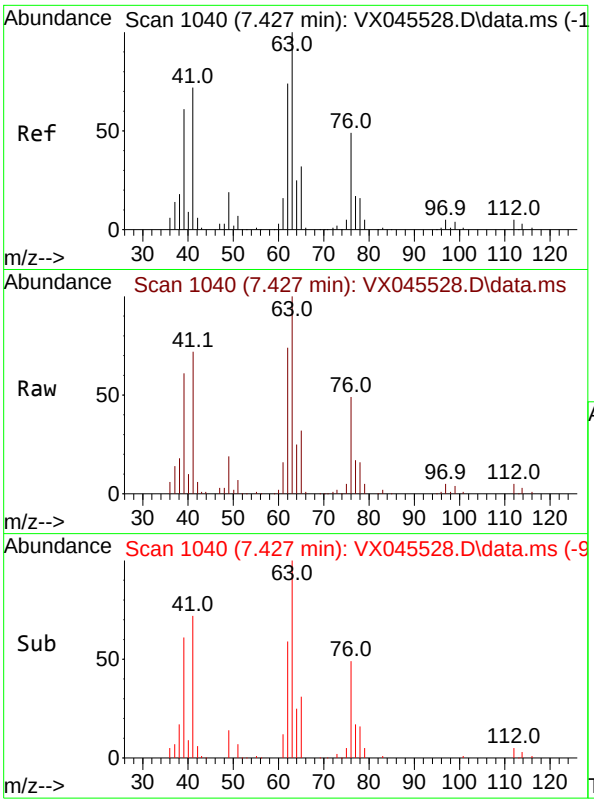


#44
Trichloroethene
Concen: 50.452 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:130 Resp: 59042

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	202.0

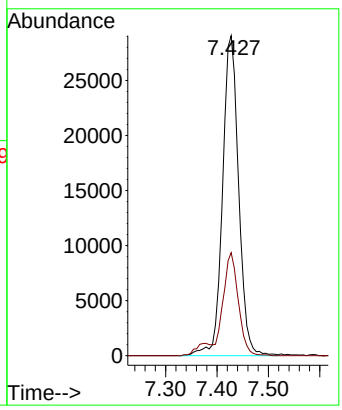




#45
1,2-Dichloropropane
Concen: 51.540 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 63 Resp: 6331

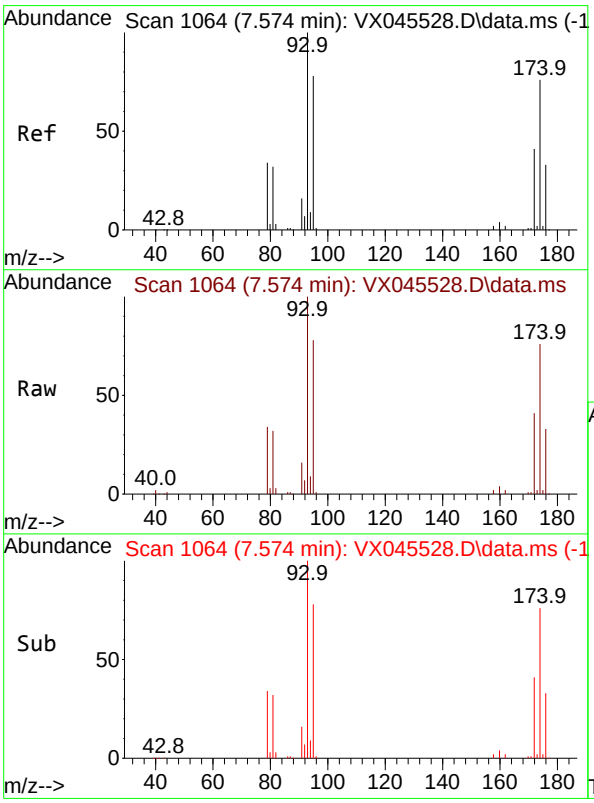
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

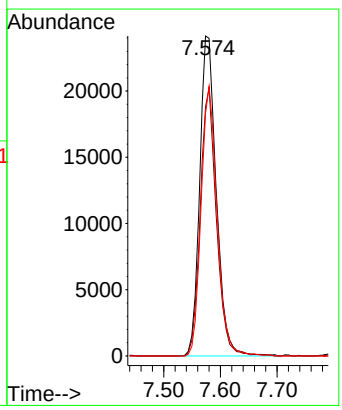
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

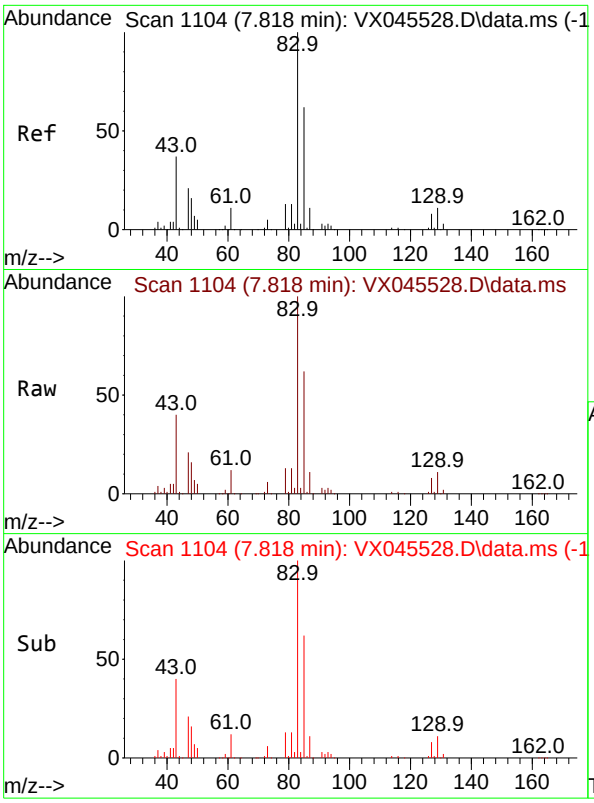


#46
Dibromomethane
Concen: 52.092 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

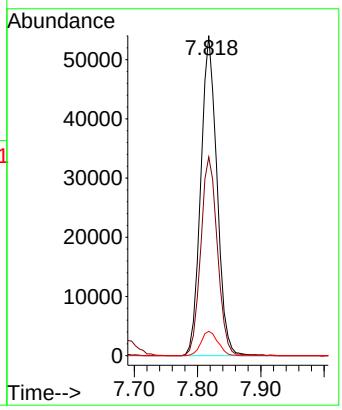




#47
Bromodichloromethane
Concen: 51.068 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 83 Resp: 9617

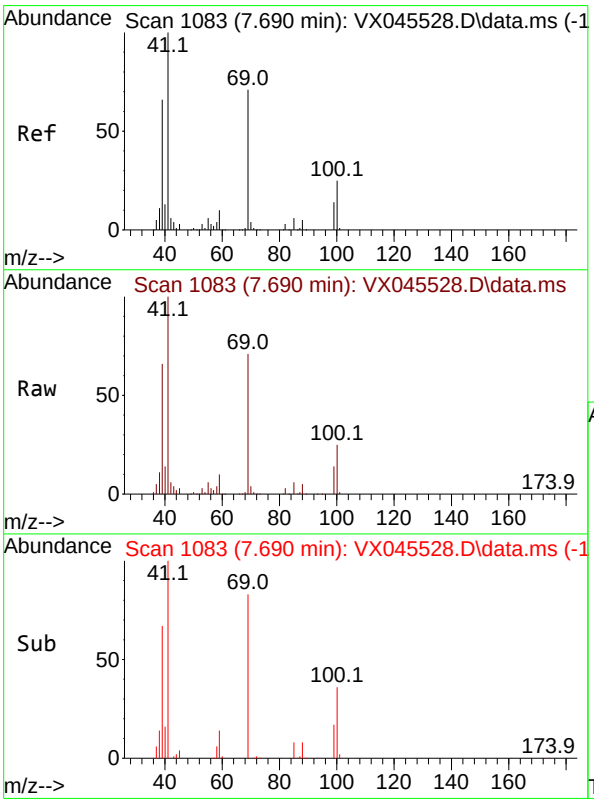
Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.7	74.5
127	7.6	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

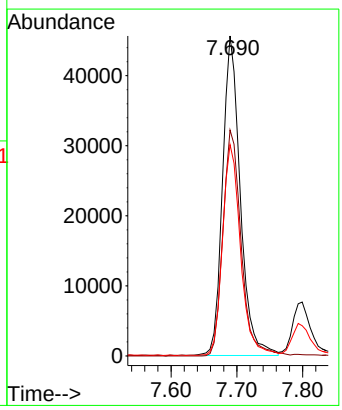
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

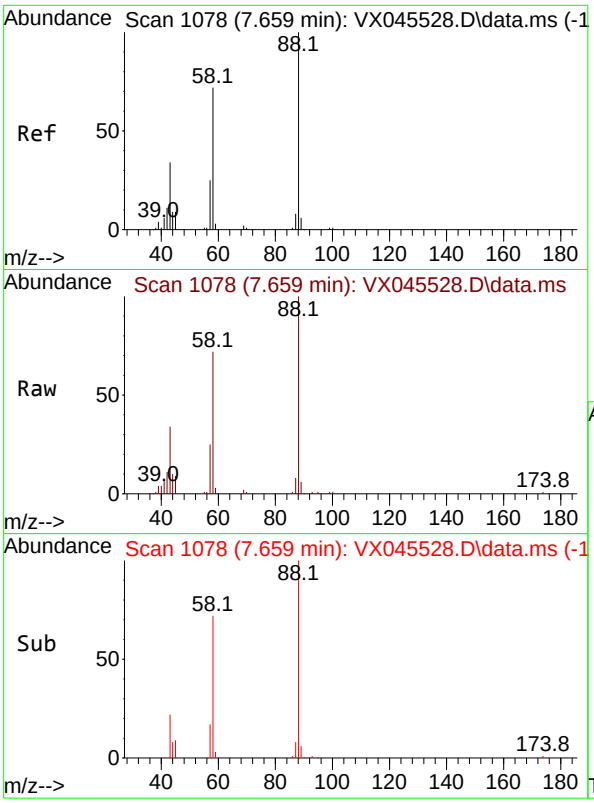


#48
Methyl methacrylate
Concen: 53.768 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

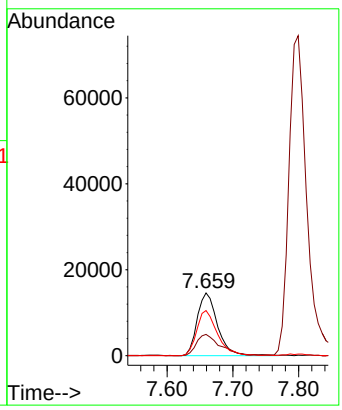




#49
1,4-Dioxane
Concen: 1084.635 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 88 Resp: 3119

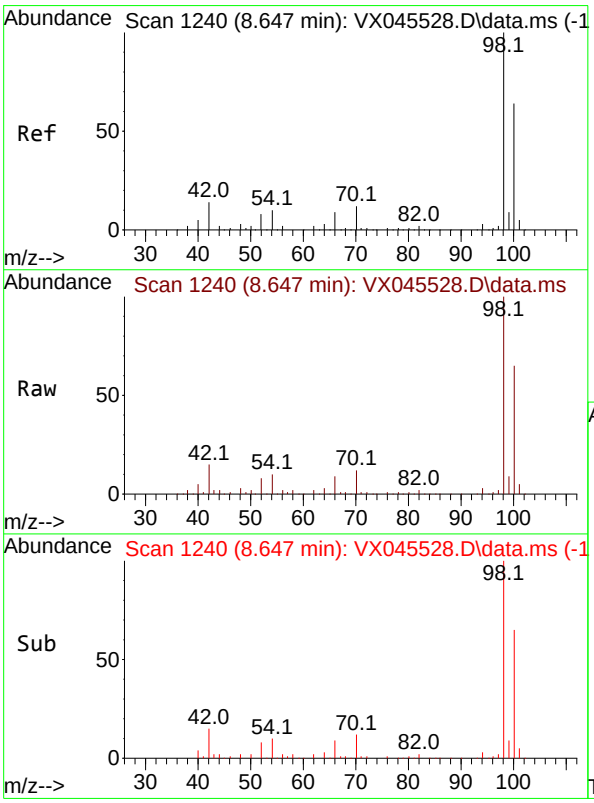
Ion	Ratio	Lower	Upper
88	100		
43	40.3	32.2	48.4
58	73.3	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

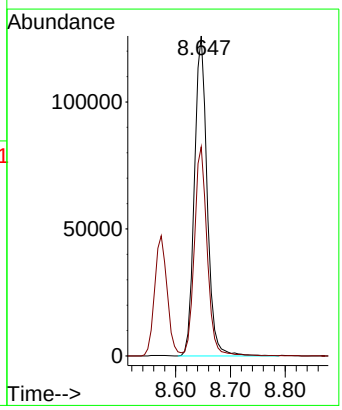
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

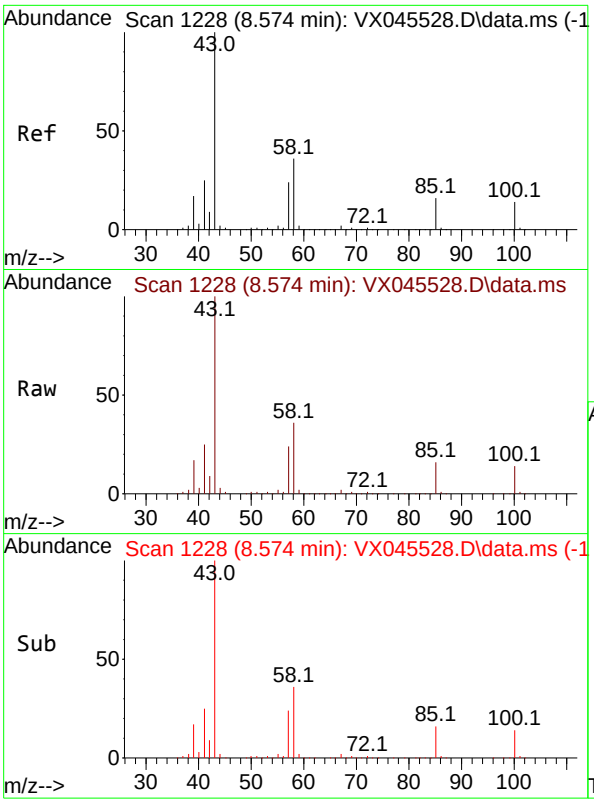


#50
Toluene-d8
Concen: 49.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 98 Resp: 204338

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.4

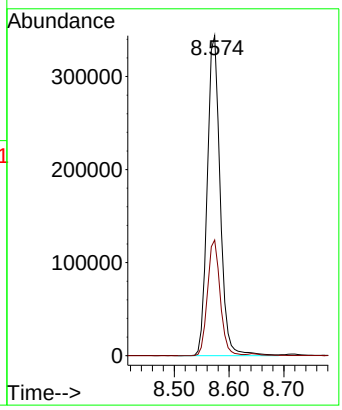




#51
4-Methyl-2-Pentanone
Concen: 273.375 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 43 Resp: 55802

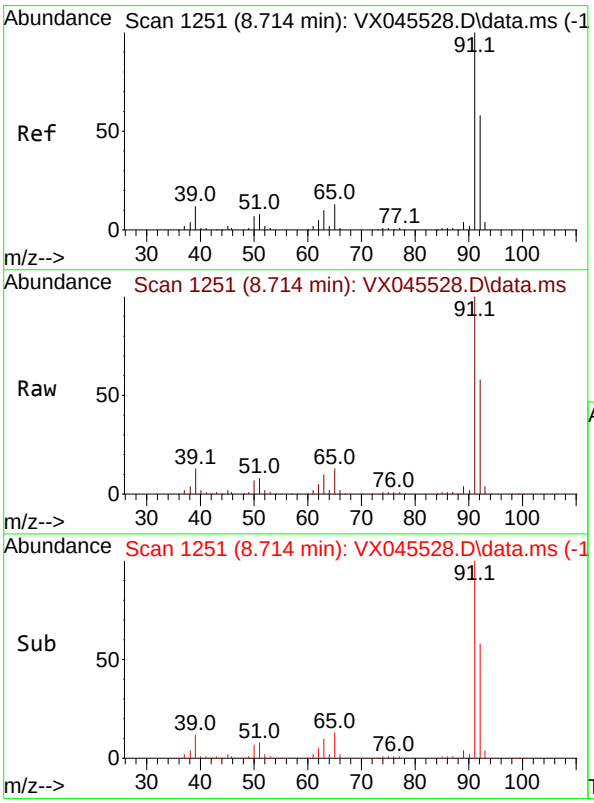
Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

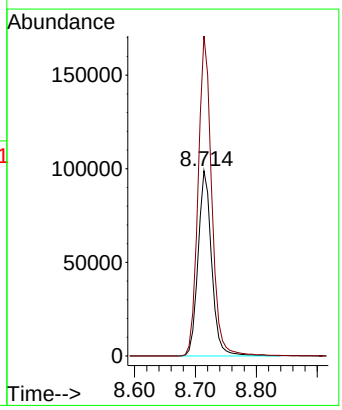
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

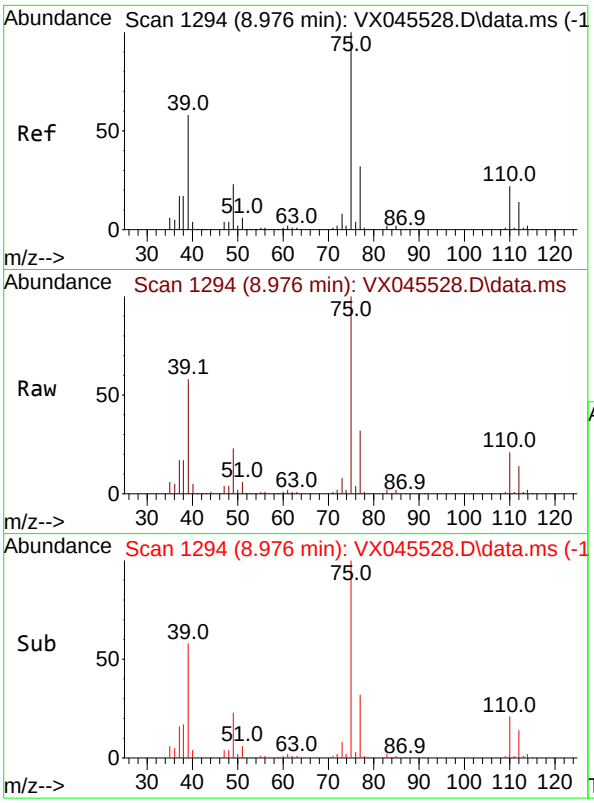


#52
Toluene
Concen: 51.402 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 92 Resp: 153143

Ion	Ratio	Lower	Upper
92	100		
91	173.4	138.7	208.1

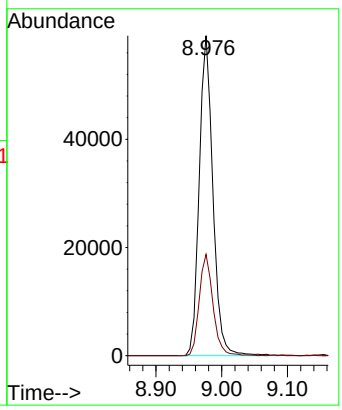




#53
t-1,3-Dichloropropene
Concen: 47.317 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 8546

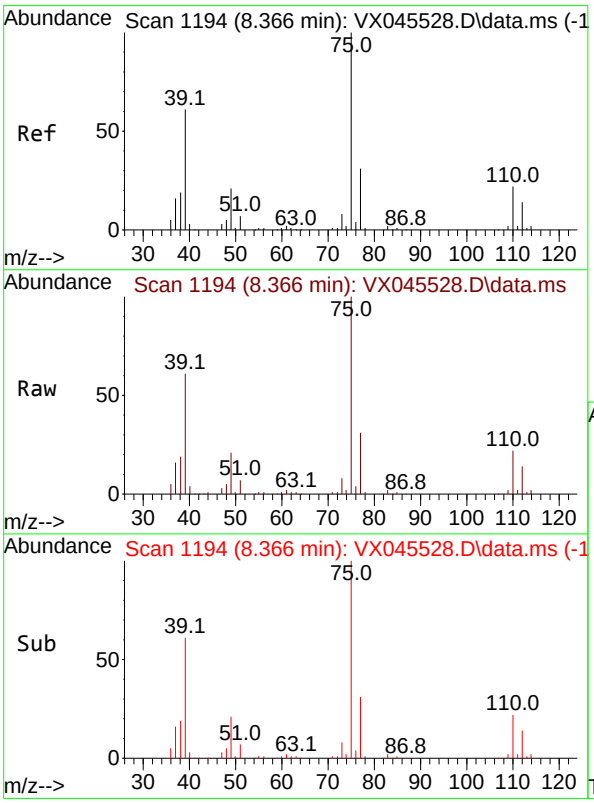
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

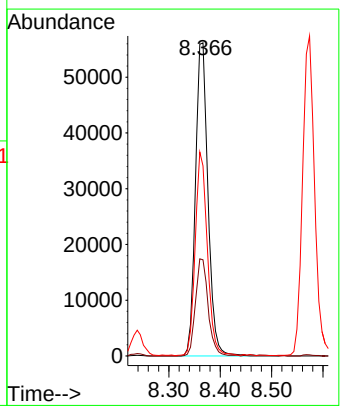
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

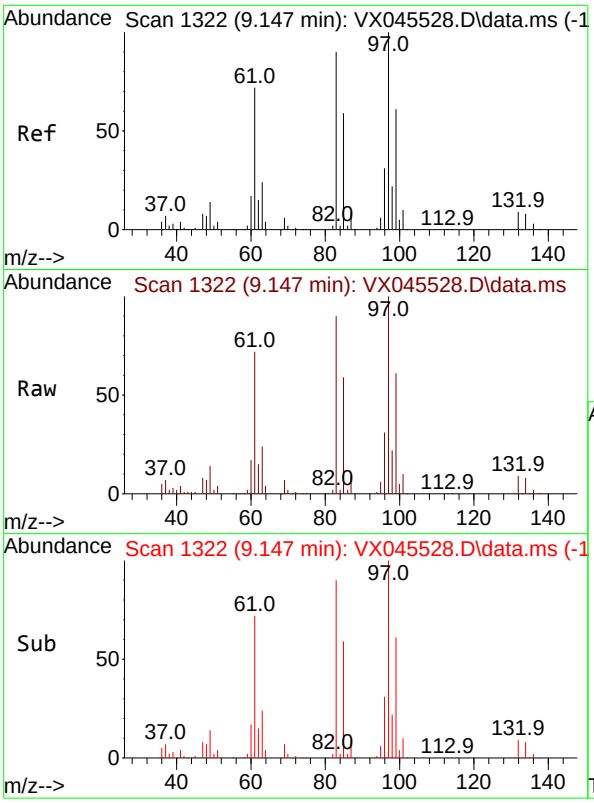


#54
cis-1,3-Dichloropropene
Concen: 53.975 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

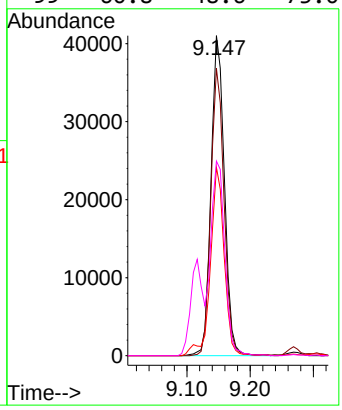




#55
1,1,2-Trichloroethane
Concen: 50.919 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 97 Resp: 6045

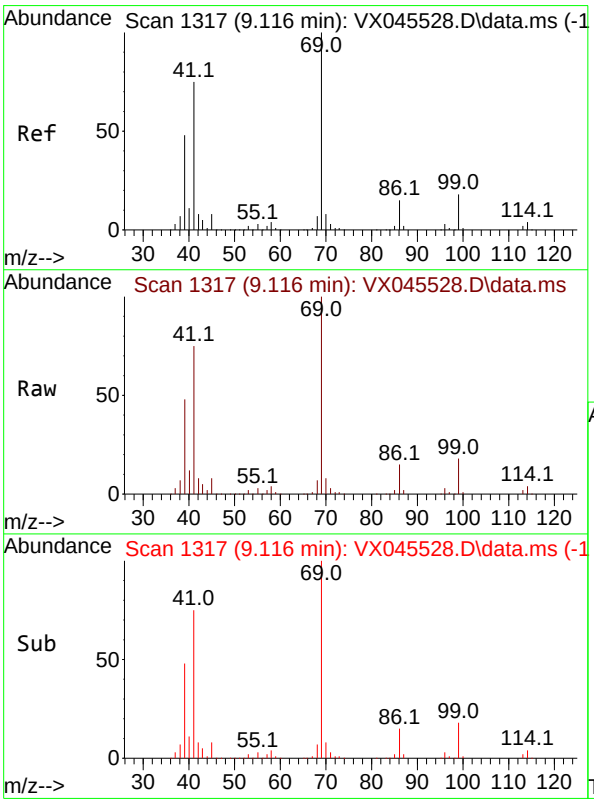
Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.8	107.8
85	58.8	47.0	70.6
99	60.8	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

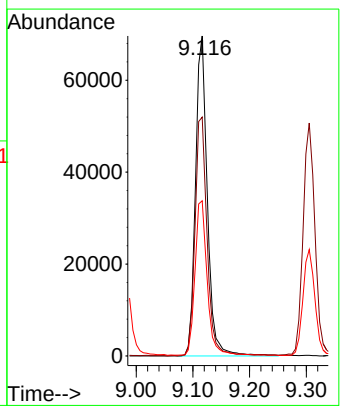
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

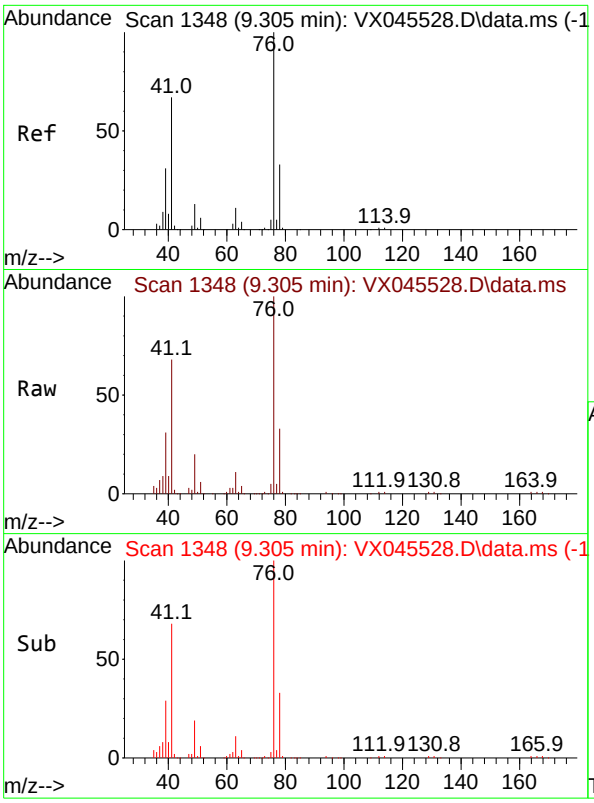


#56
Ethyl methacrylate
Concen: 54.970 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

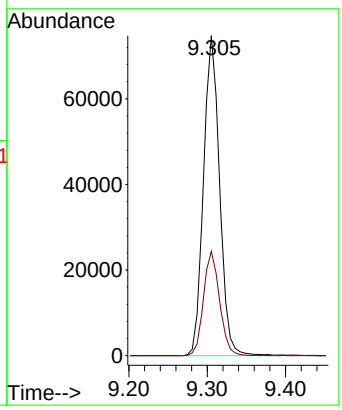




#57
1,3-Dichloropropane
Concen: 51.554 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 76 Resp: 10658

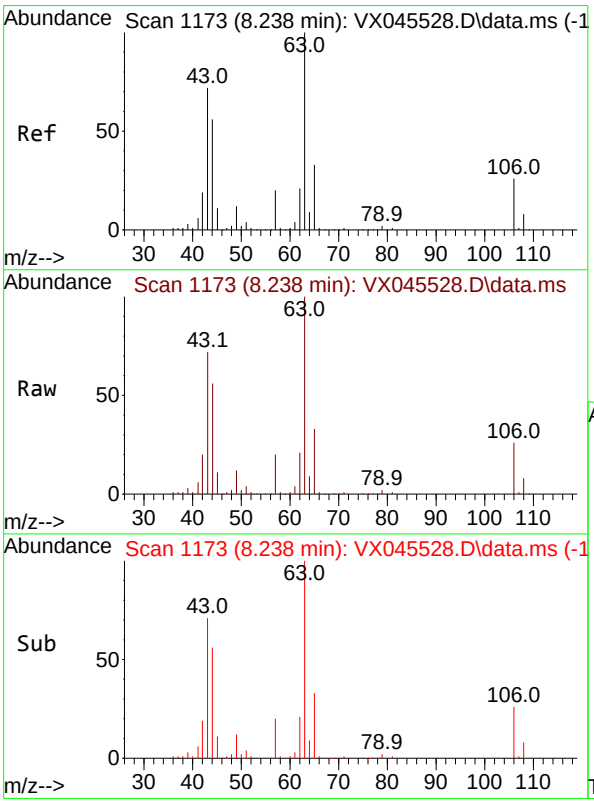
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

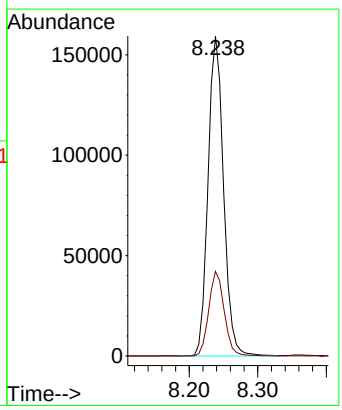
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

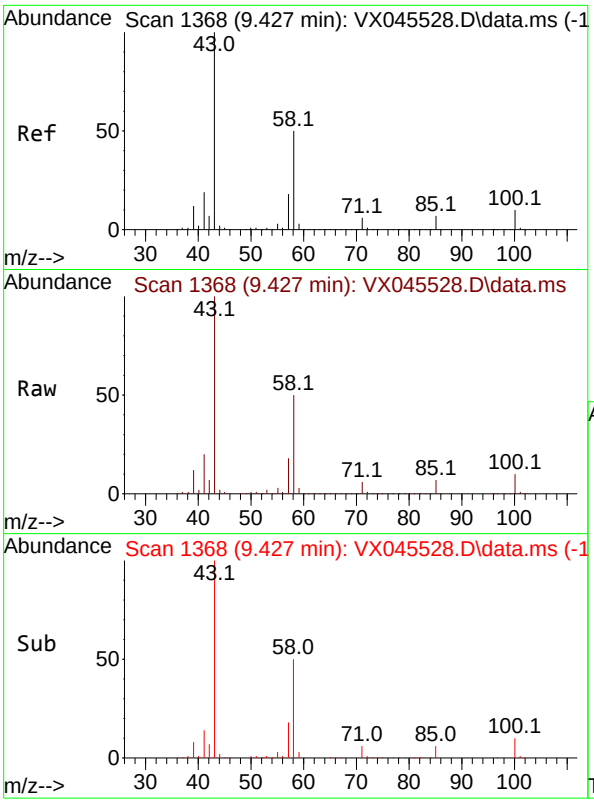


#58
2-Chloroethyl Vinyl ether
Concen: 269.434 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

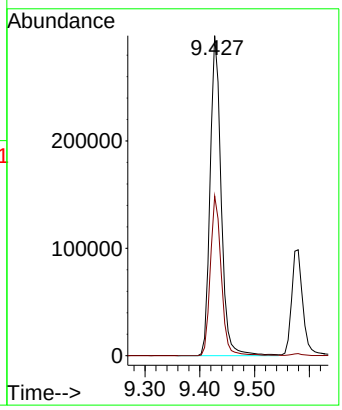
Tgt Ion: 43 Resp: 41382

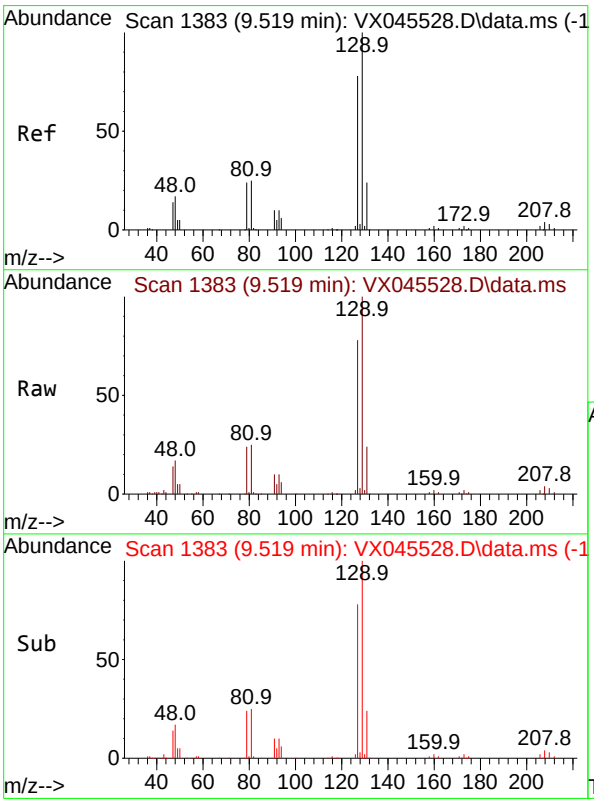
Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

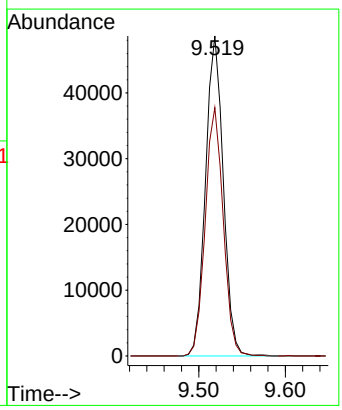


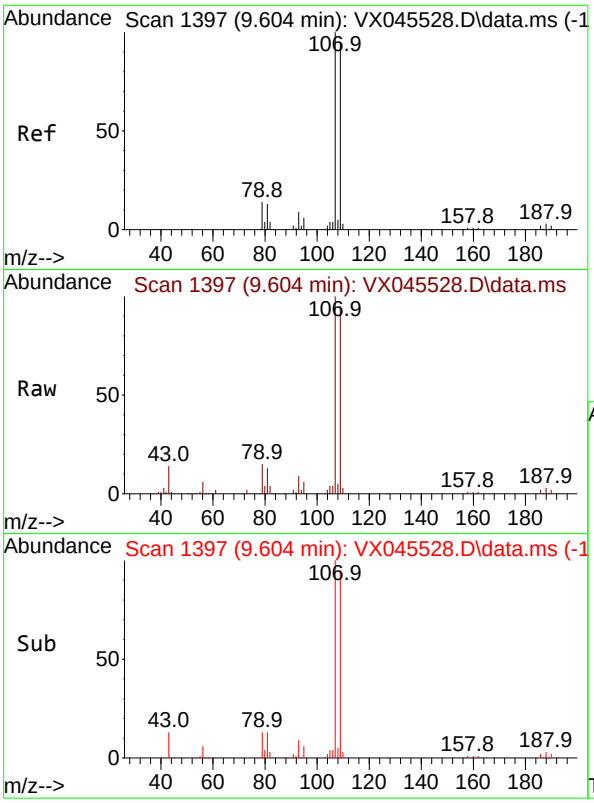


#60
Dibromochloromethane
Concen: 53.511 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:129 Resp: 69258

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.4	118.2

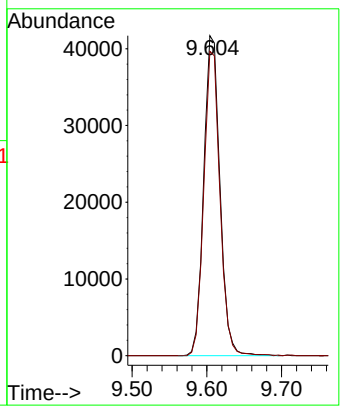




#61
1,2-Dibromoethane
Concen: 52.264 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:107 Resp: 6281

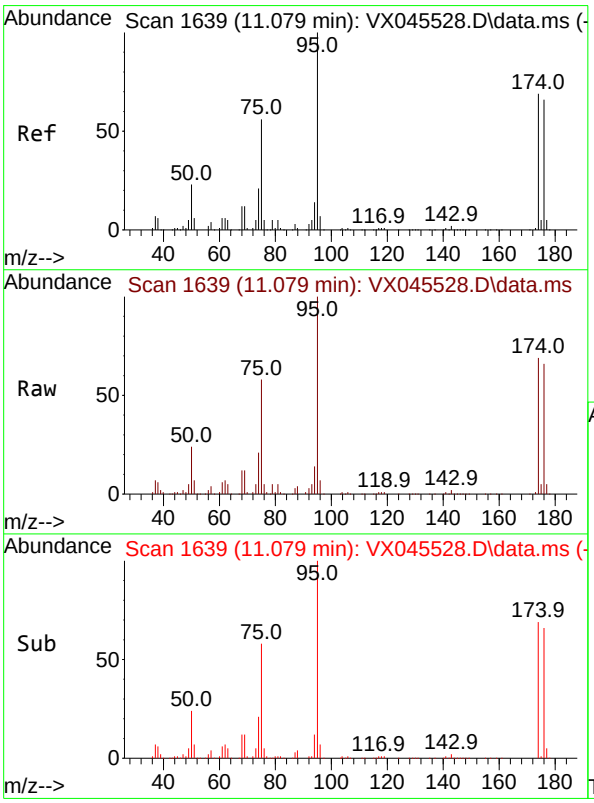
Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

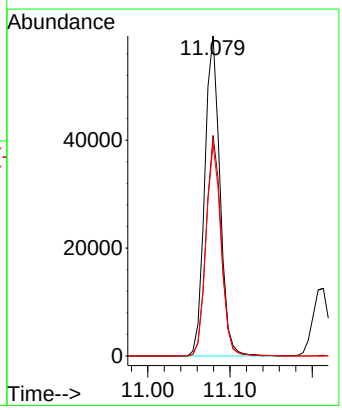
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

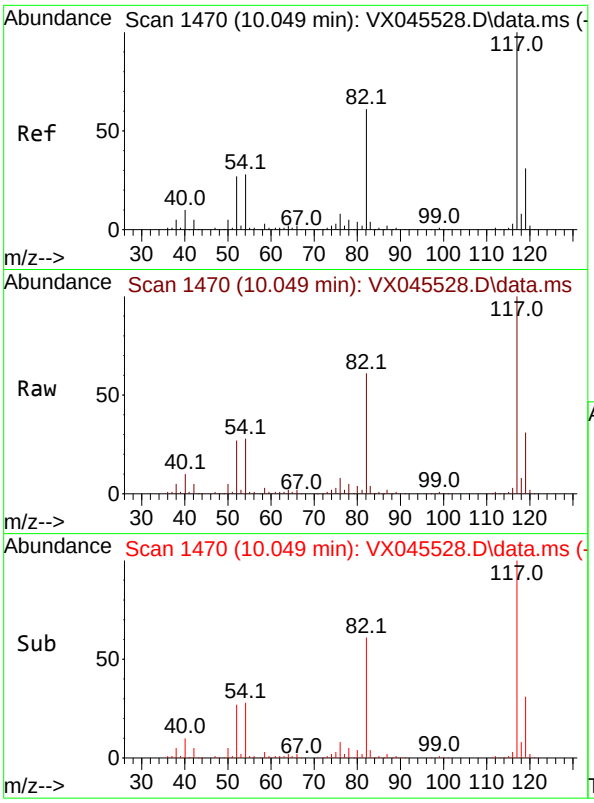


#62
4-Bromofluorobenzene
Concen: 50.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

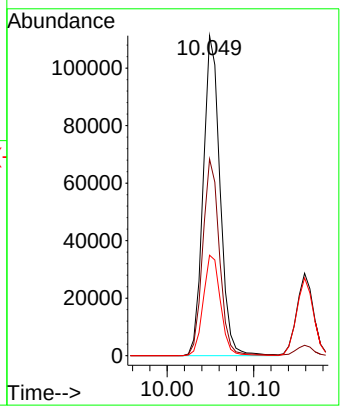




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:117 Resp: 15020

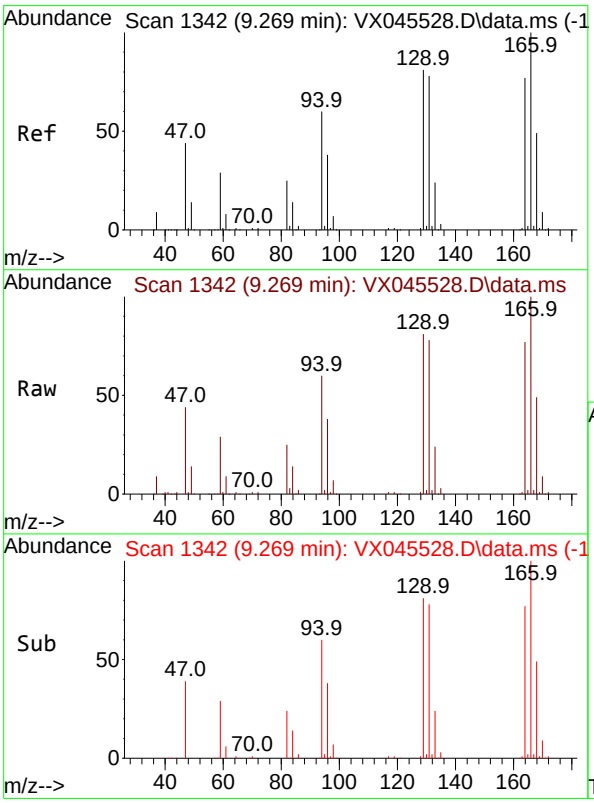
Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.2	73.8
119	31.4	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

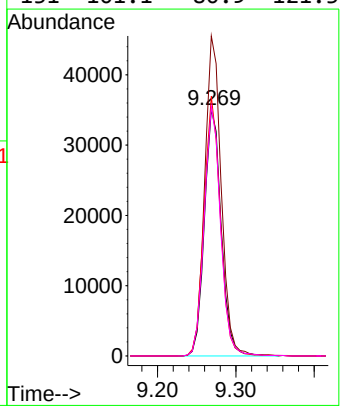
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

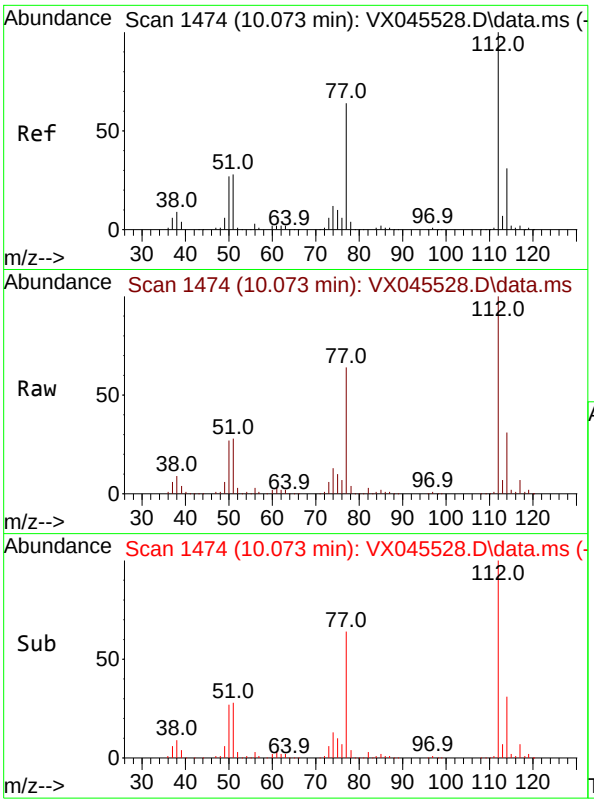


#64
Tetrachloroethene
Concen: 49.181 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

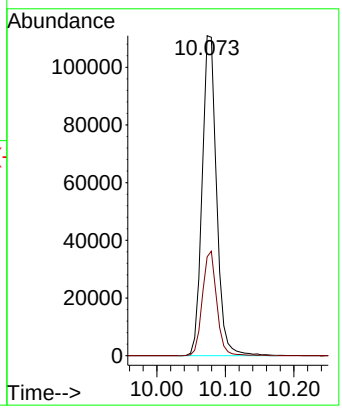




#65
Chlorobenzene
Concen: 50.733 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:112 Resp: 16282

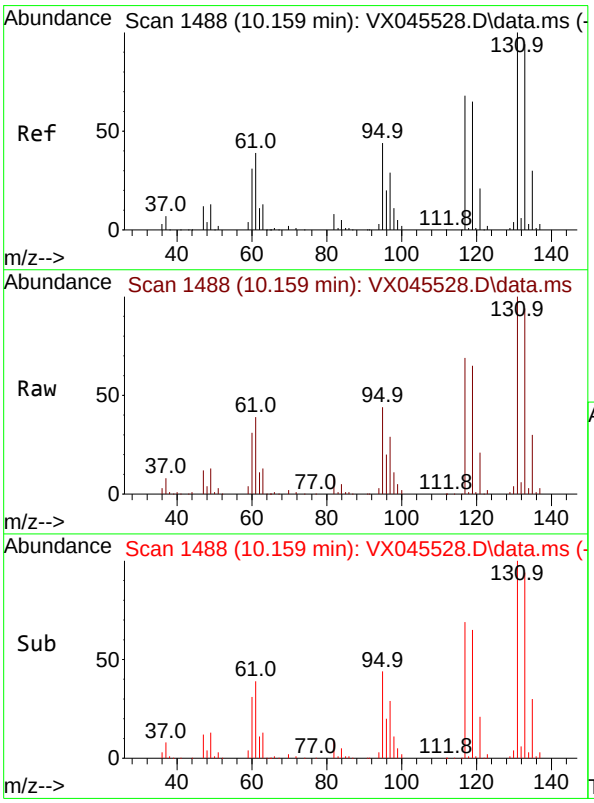
Ion	Ratio	Lower	Upper
112	100		
114	30.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

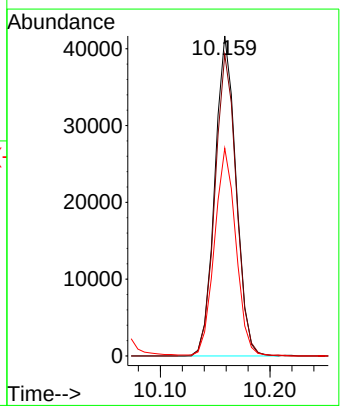
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

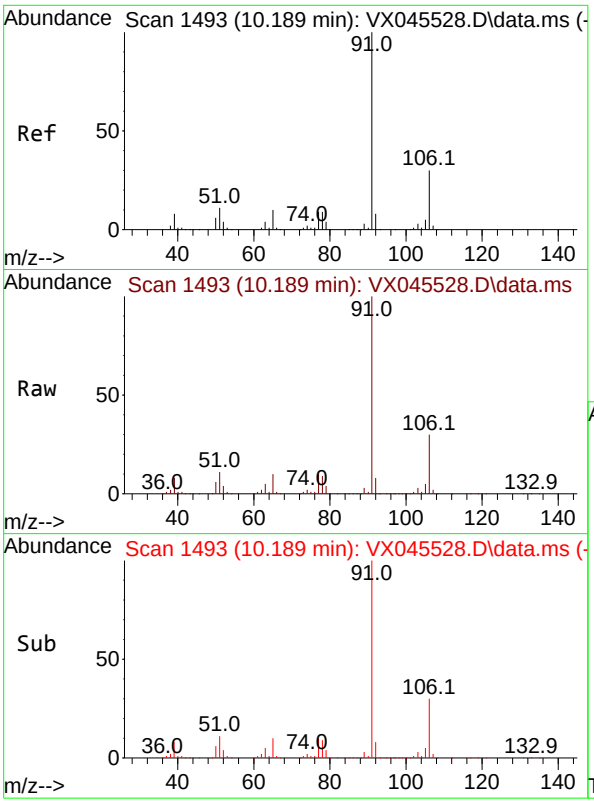


#66
1,1,1,2-Tetrachloroethane
Concen: 50.233 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

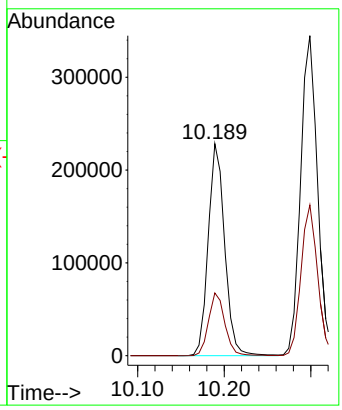




#67
Ethyl Benzene
Concen: 52.447 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 91 Resp: 30148

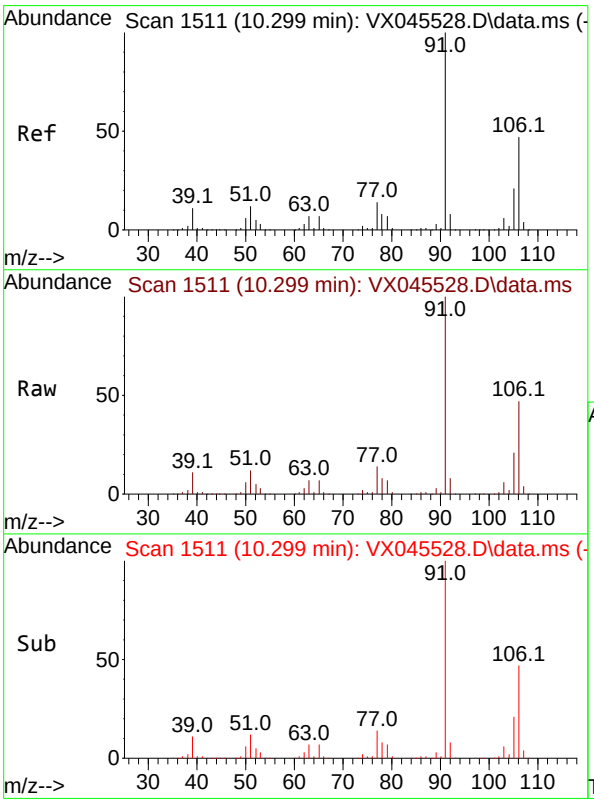
Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

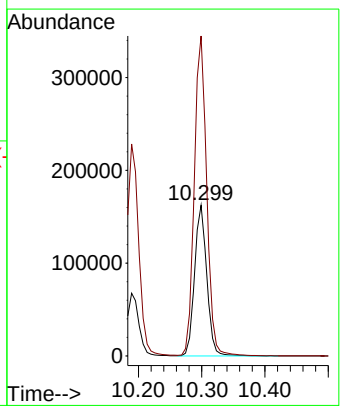
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

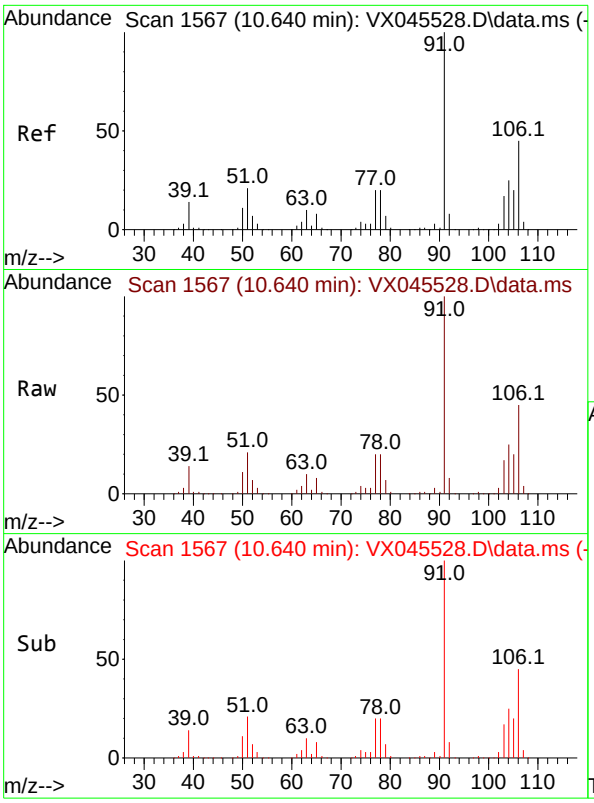


#68
m/p-Xylenes
Concen: 104.606 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:106 Resp: 218702

Ion	Ratio	Lower	Upper
106	100		
91	215.7	172.6	258.8

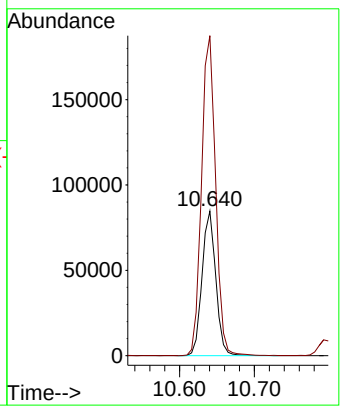




#69
o-Xylene
Concen: 52.452 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:106 Resp: 10802

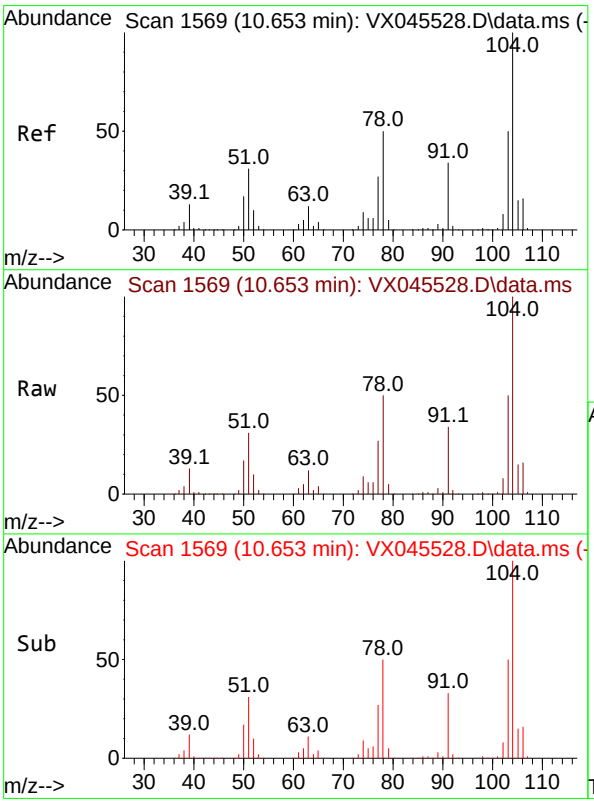
Ion	Ratio	Lower	Upper
106	100		
91	227.1	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

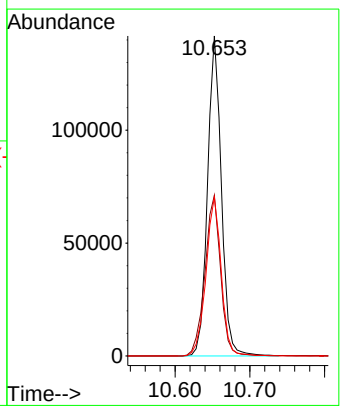
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

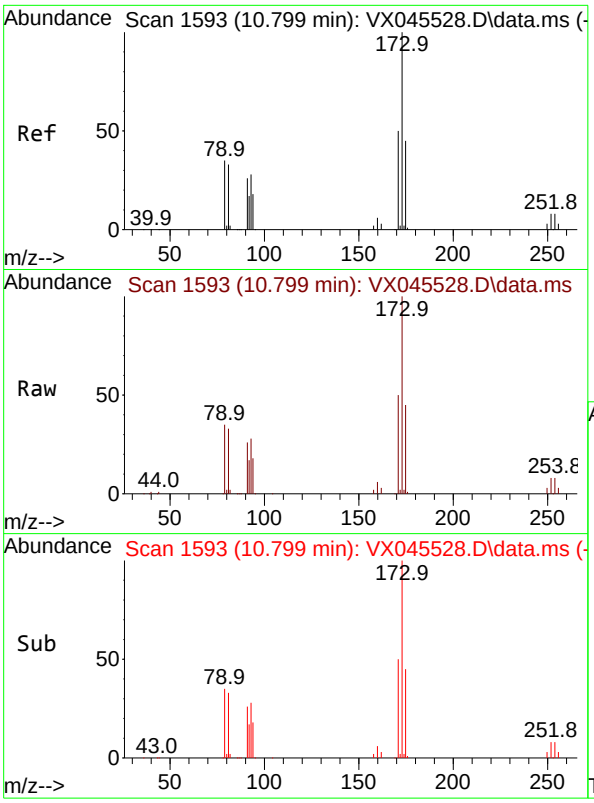


#70
Styrene
Concen: 53.723 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

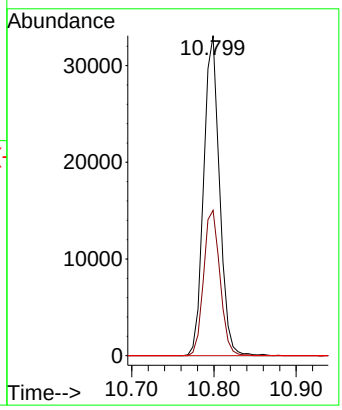




#71
Bromoform
Concen: 53.361 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:173 Resp: 4439

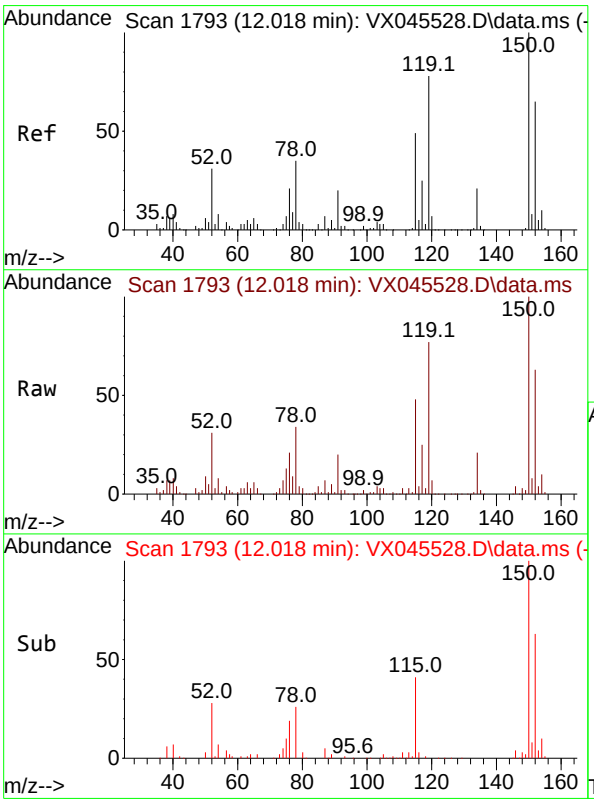
Ion	Ratio	Lower	Upper
173	100		
175	46.8	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

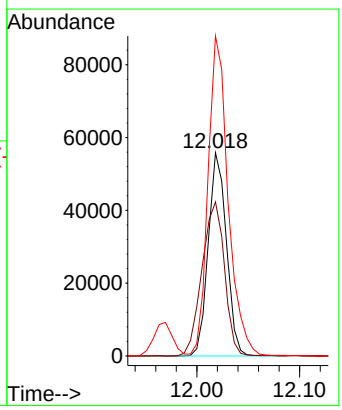
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

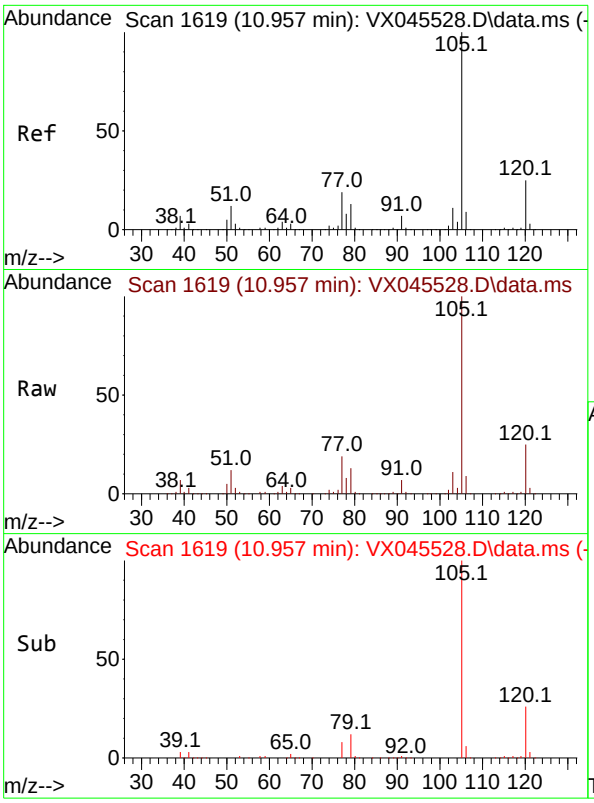


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

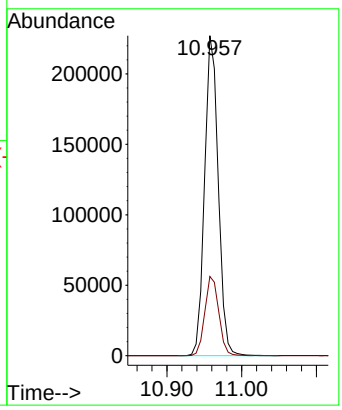
Tgt Ion:105 Resp: 28762

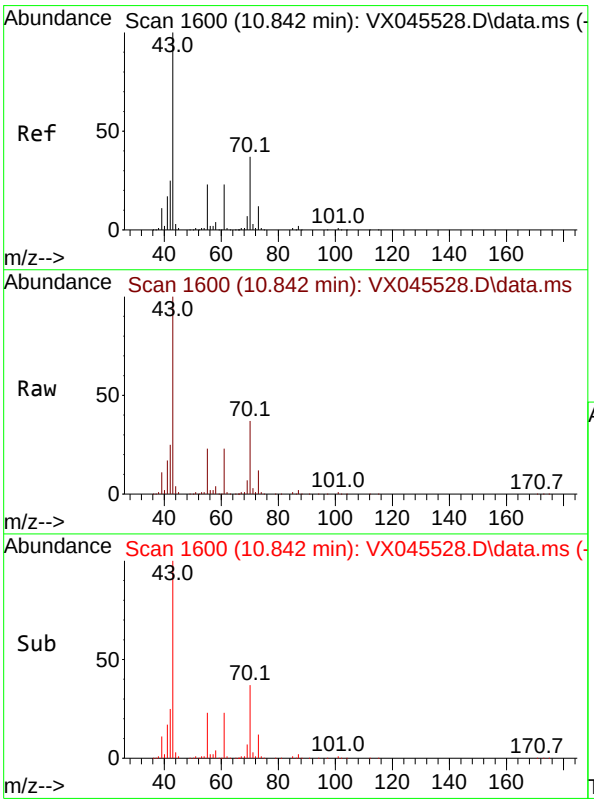
Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

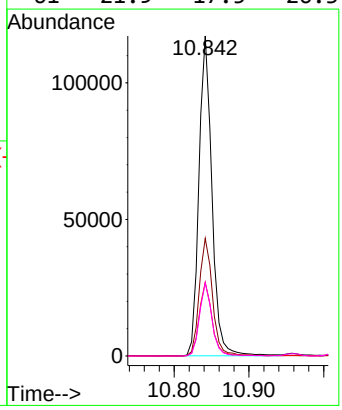


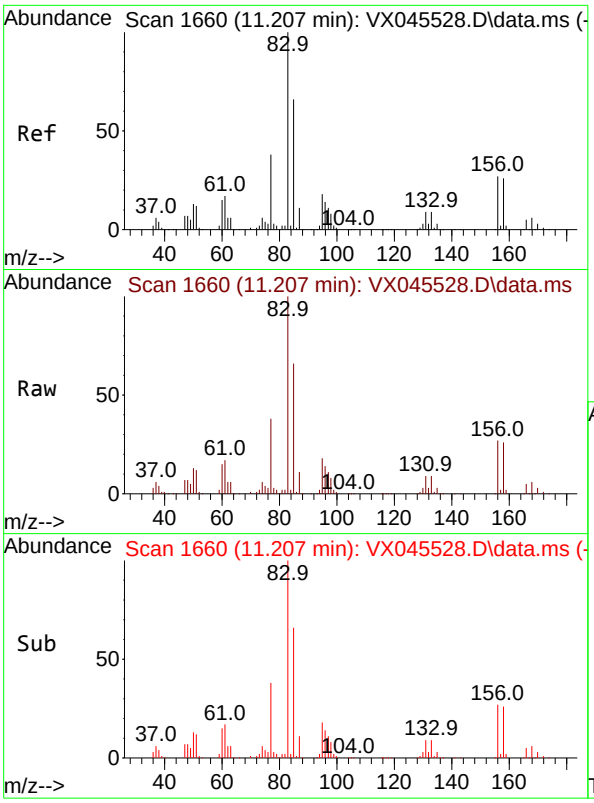


#74
N-amyl acetate
Concen: 53.721 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

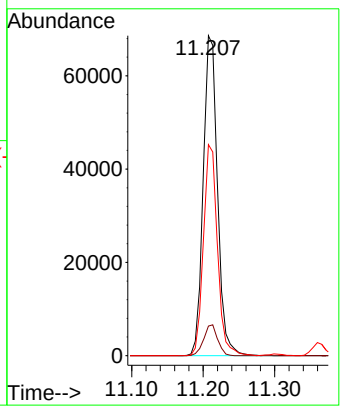




#75
1,1,2,2-Tetrachloroethane
Concen: 49.185 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 83 Resp: 9520

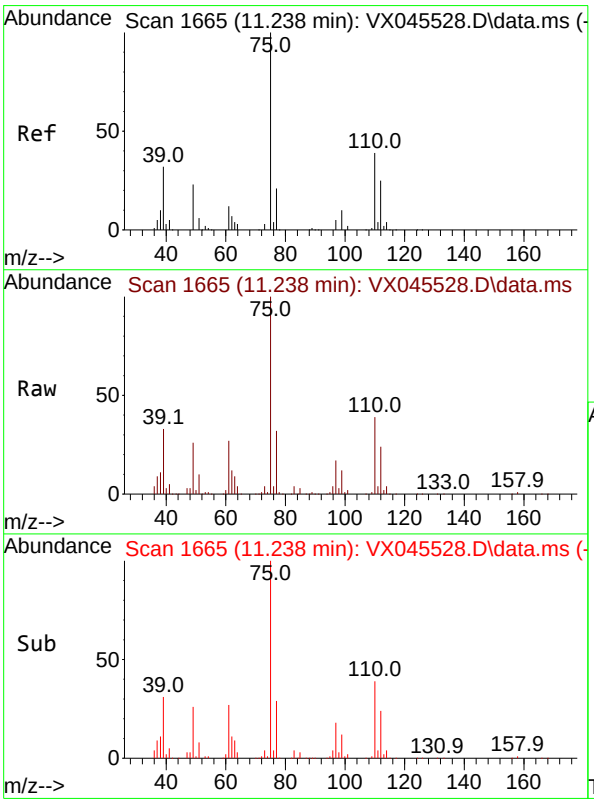
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.1
85	64.8	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

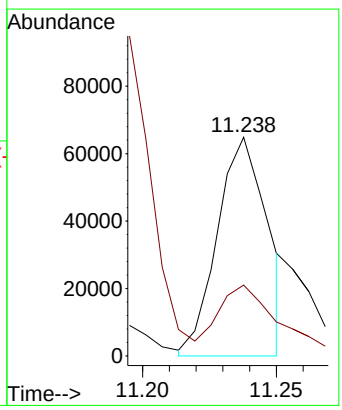
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

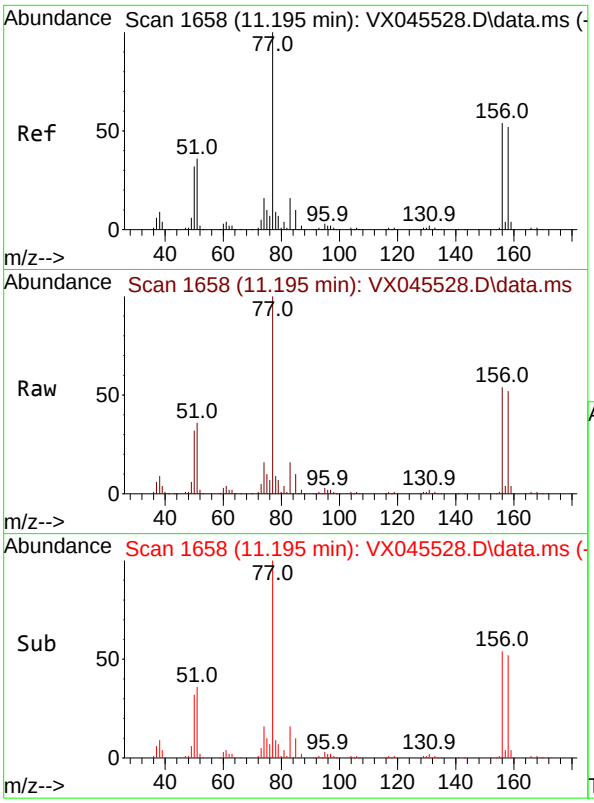


#76
1,2,3-Trichloropropane
Concen: 50.230 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 84279

Ion	Ratio	Lower	Upper
75	100		
77	39.9	20.0	59.9

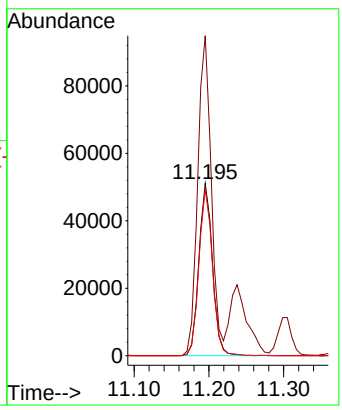




#77
Bromobenzene
Concen: 50.686 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:156 Resp: 6452

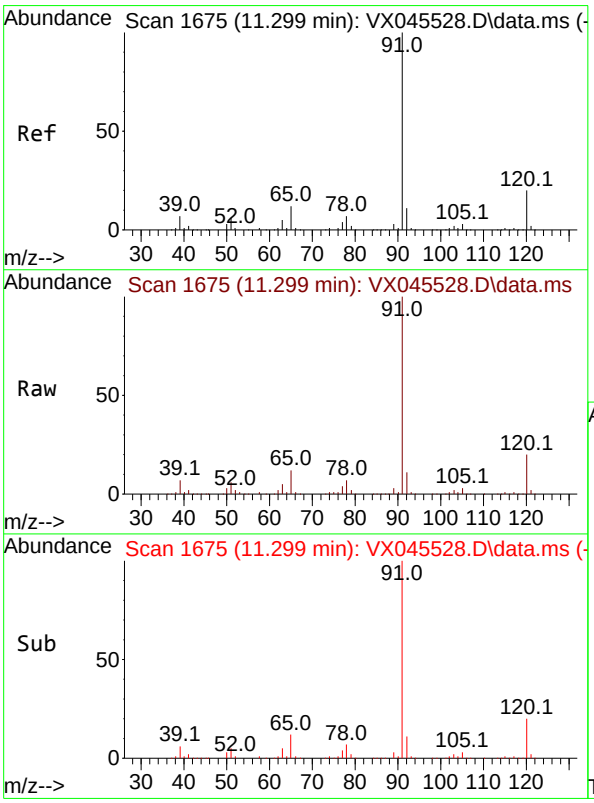
Ion	Ratio	Lower	Upper
156	100		
77	185.2	92.6	277.8
158	96.3	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

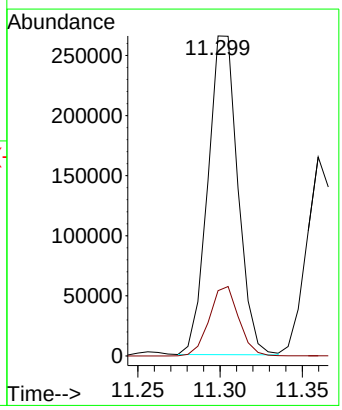
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

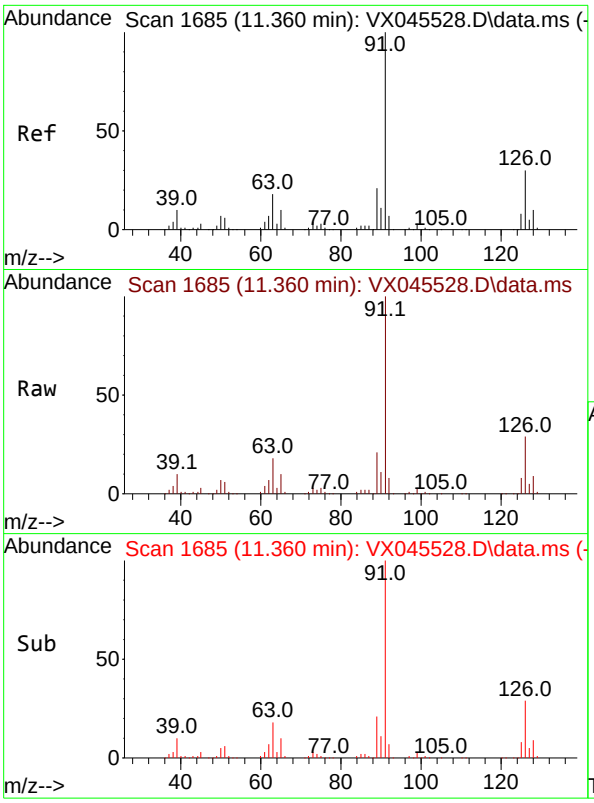


#78
n-propylbenzene
Concen: 53.069 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

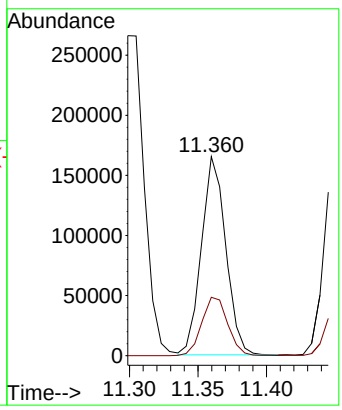
Tgt Ion: 91 Resp: 20399

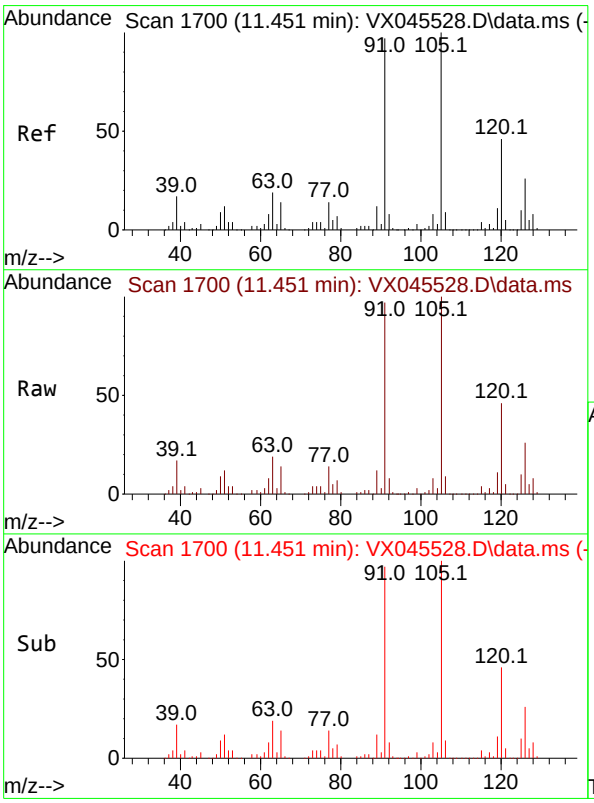
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

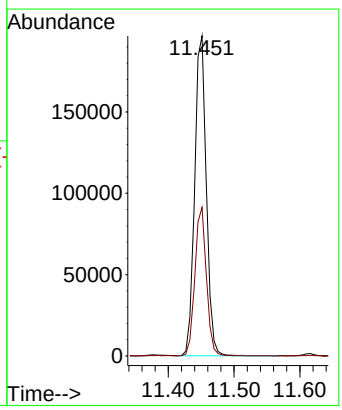


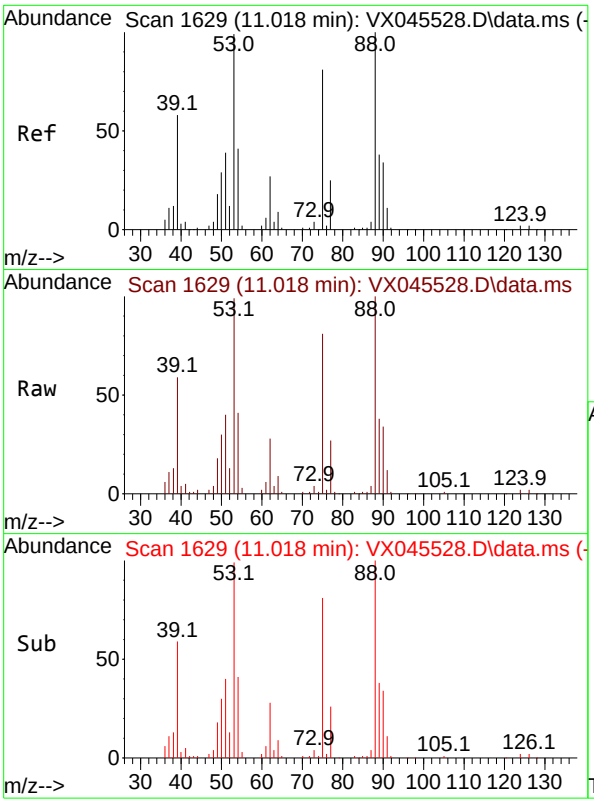


#80
1,3,5-Trimethylbenzene
Concen: 53.013 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:105 Resp: 241536

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0

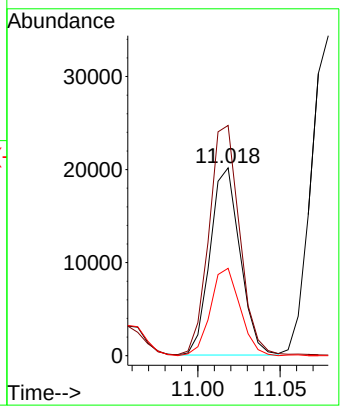




#81
trans-1,4-Dichloro-2-butene
Concen: 51.556 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 75 Resp: 2548

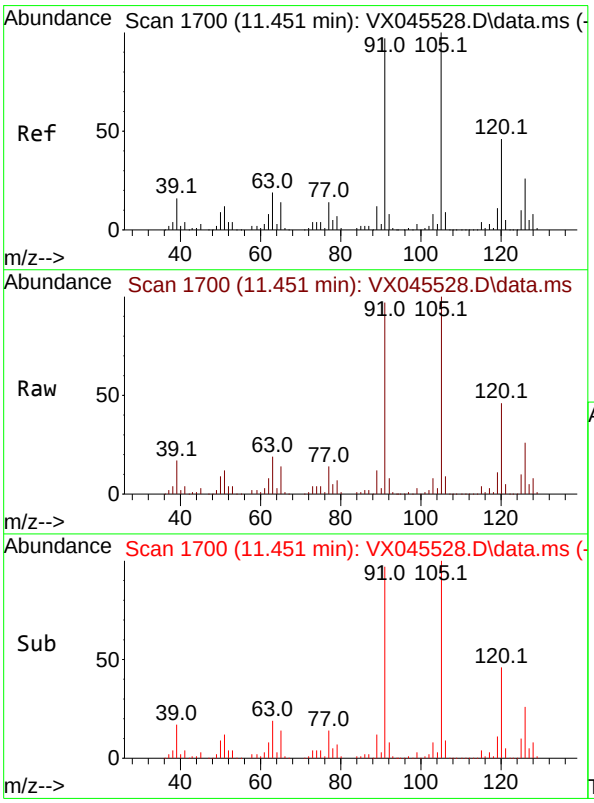
Ion	Ratio	Lower	Upper
75	100		
53	127.2	101.8	152.6
89	46.5	37.2	55.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

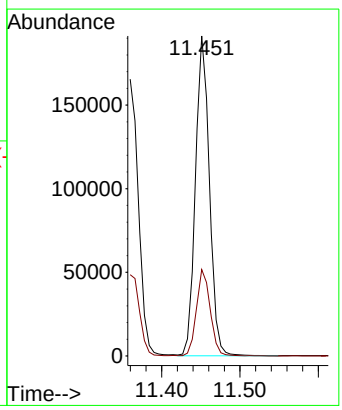
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

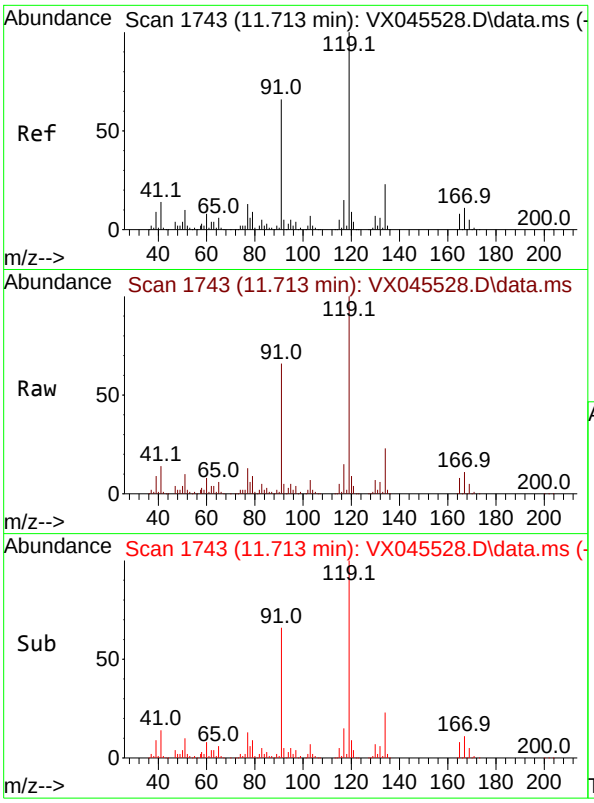


#82
4-Chlorotoluene
Concen: 52.439 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 91 Resp: 237213

Ion	Ratio	Lower	Upper
91	100		
126	26.6	13.3	39.9

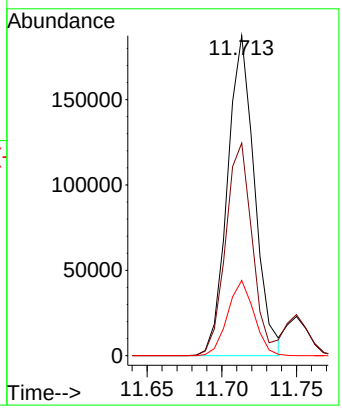




#83
tert-Butylbenzene
Concen: 52.256 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:119 Resp: 23571

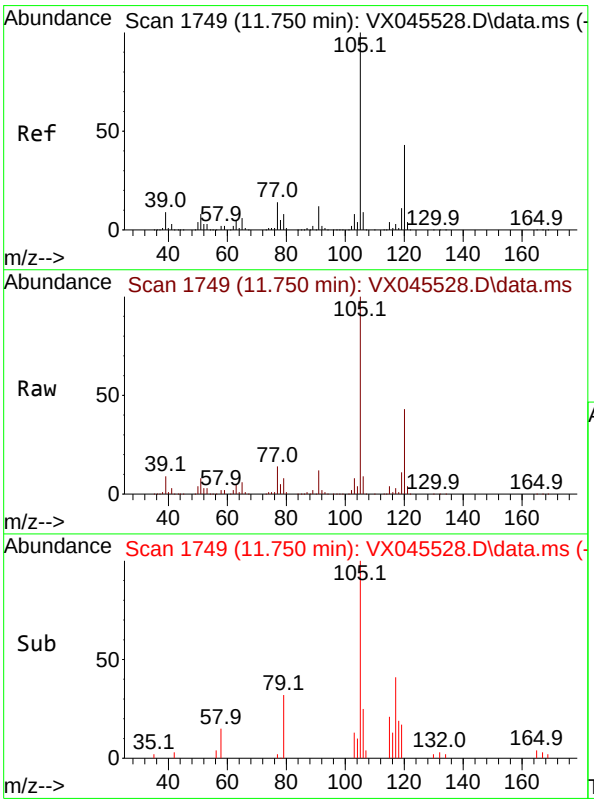
Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.4	97.2
134	23.0	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

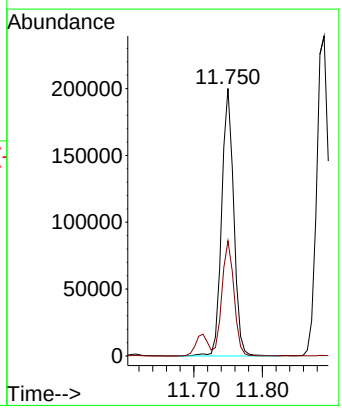
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

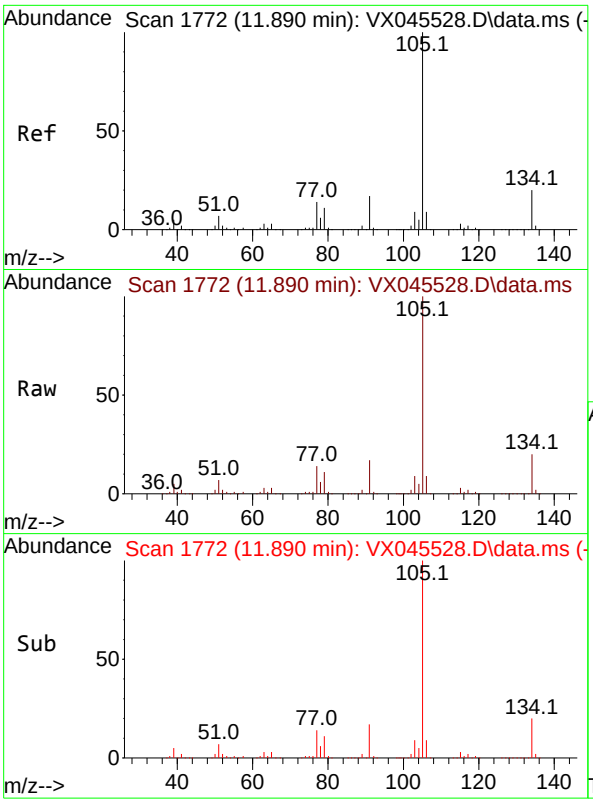


#84
1,2,4-Trimethylbenzene
Concen: 52.986 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:105 Resp: 242301

Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.4	64.3

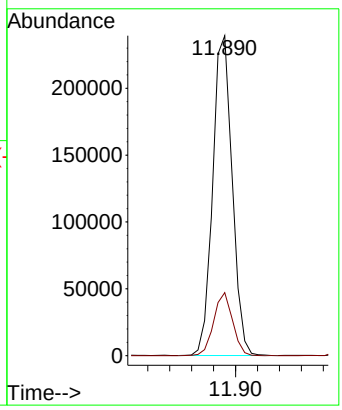




#85
sec-Butylbenzene
Concen: 53.391 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:105 Resp: 29579

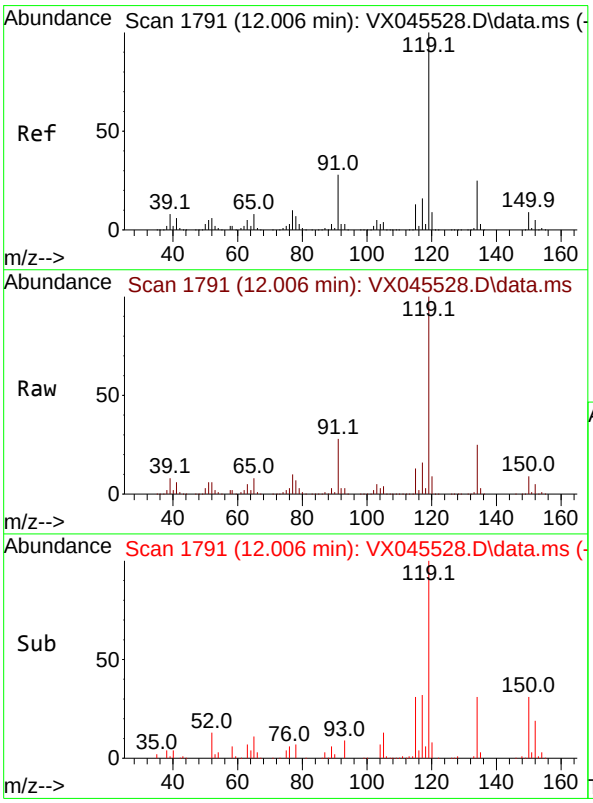
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

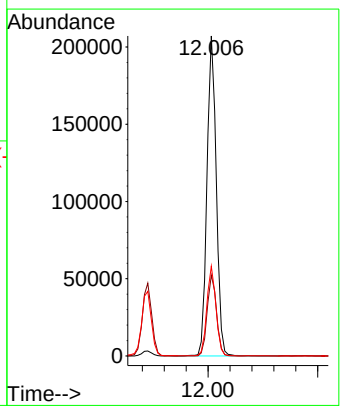
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

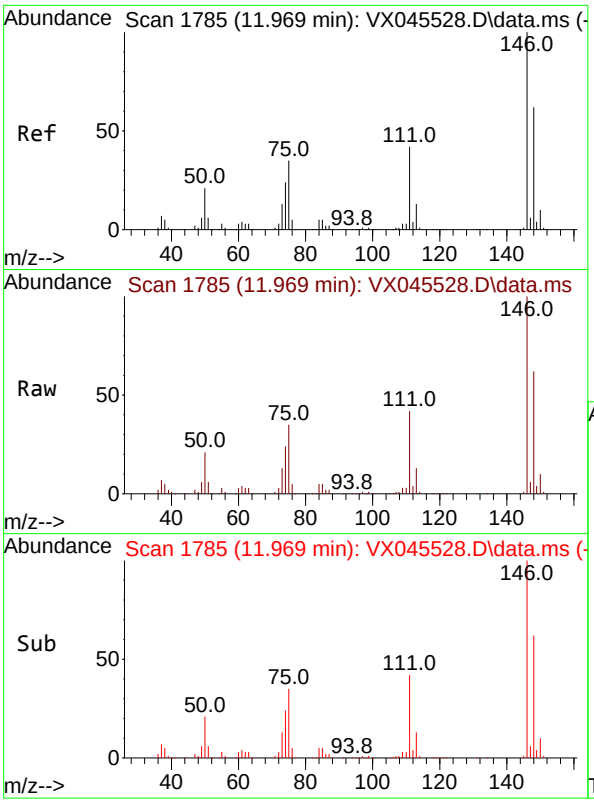


#86
p-Isopropyltoluene
Concen: 53.073 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

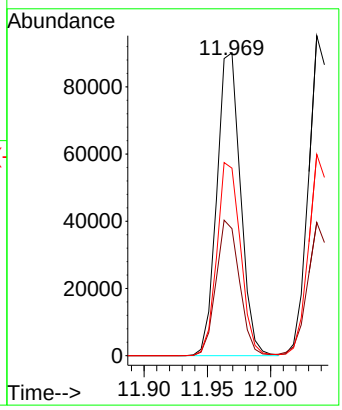




#87
1,3-Dichlorobenzene
Concen: 50.441 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:146 Resp: 11689

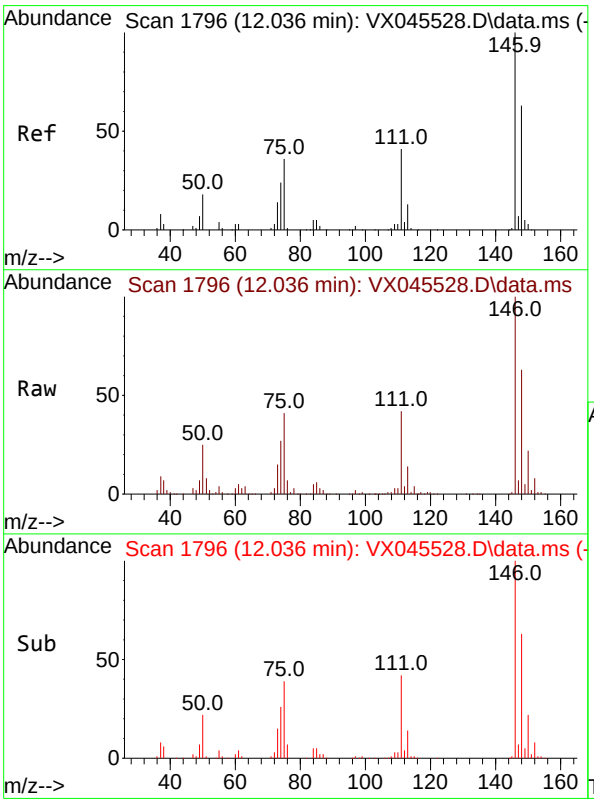
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

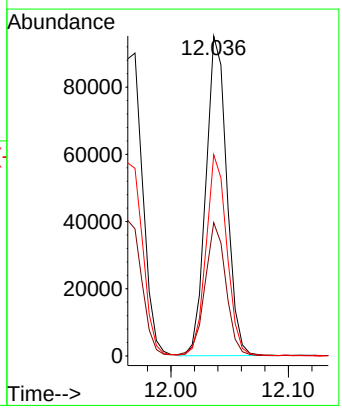
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

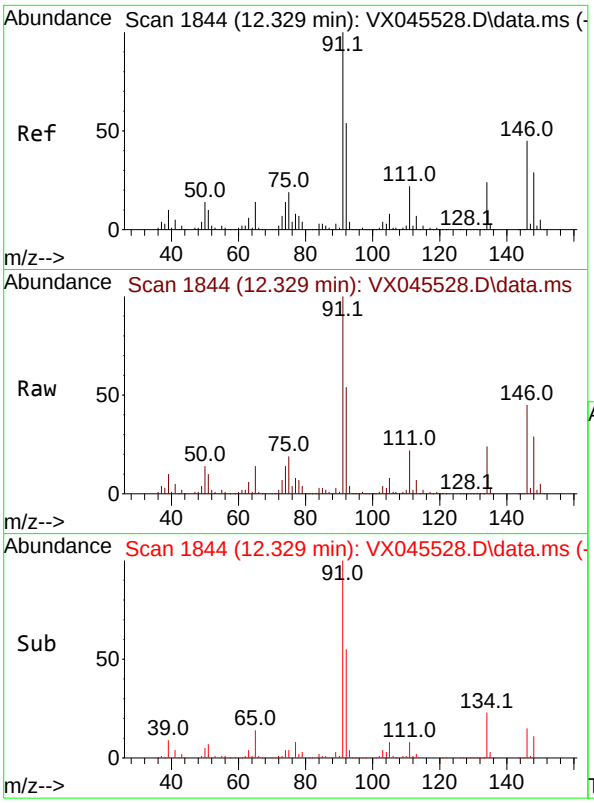


#88
1,4-Dichlorobenzene
Concen: 49.871 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

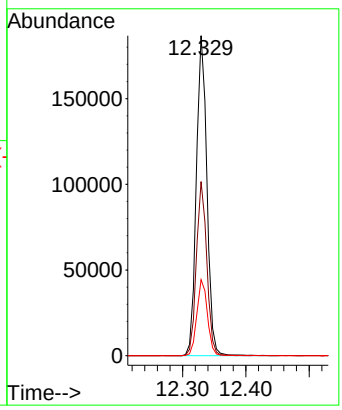




#89
n-Butylbenzene
Concen: 54.874 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion: 91 Resp: 21734

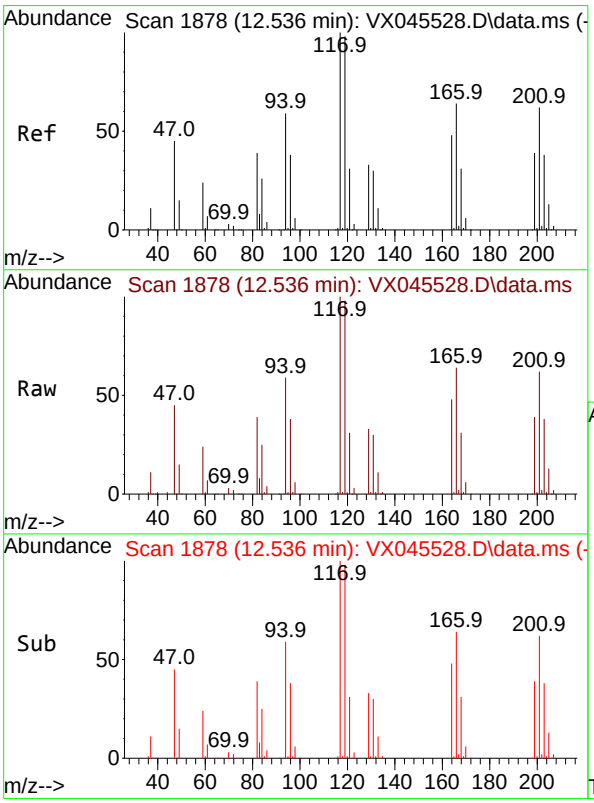
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.6
134	23.8	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

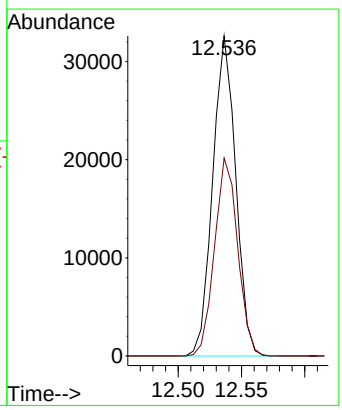
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

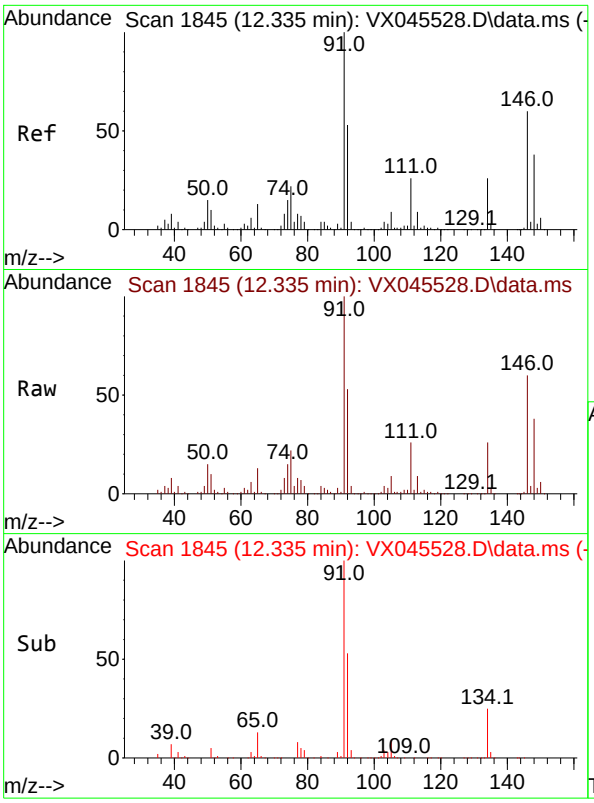


#90
Hexachloroethane
Concen: 52.352 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:117 Resp: 41095

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.2	93.6

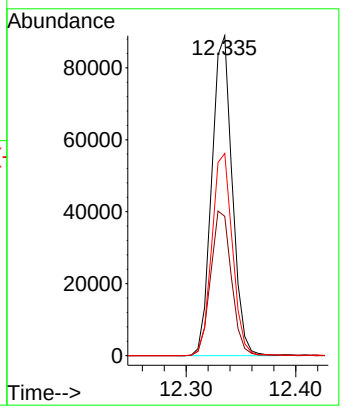




#91
1,2-Dichlorobenzene
Concen: 50.099 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:146 Resp: 11542

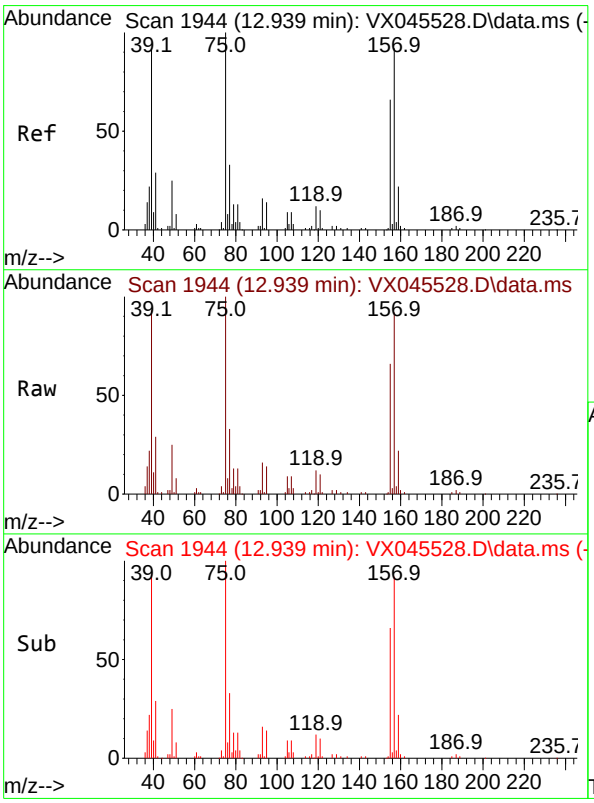
Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.8
148	63.7	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

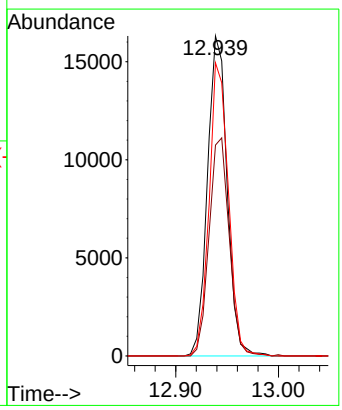
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

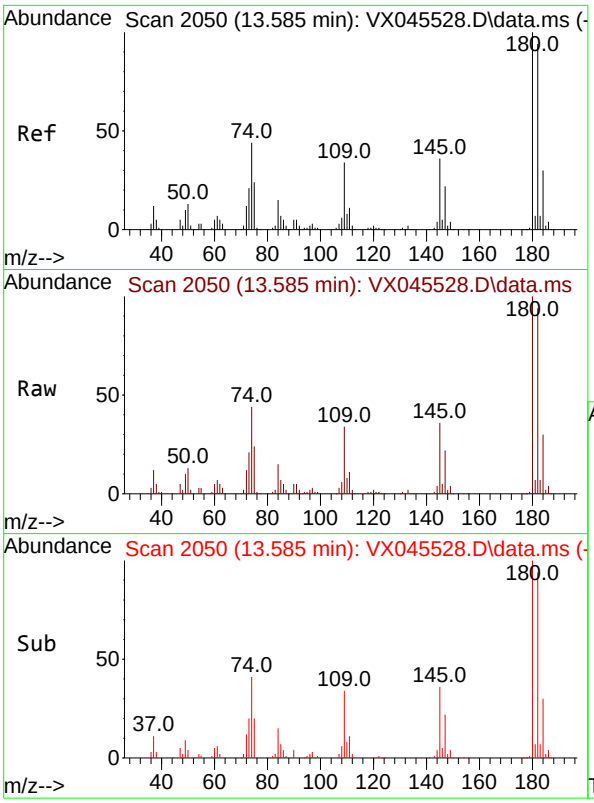


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.638 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

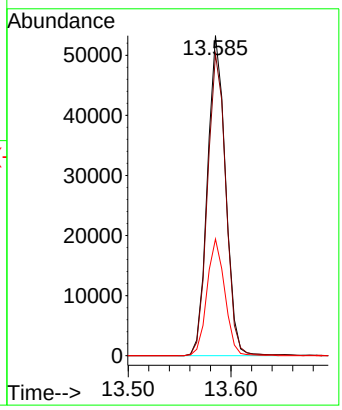




#93
1,2,4-Trichlorobenzene
Concen: 50.797 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:180 Resp: 6514

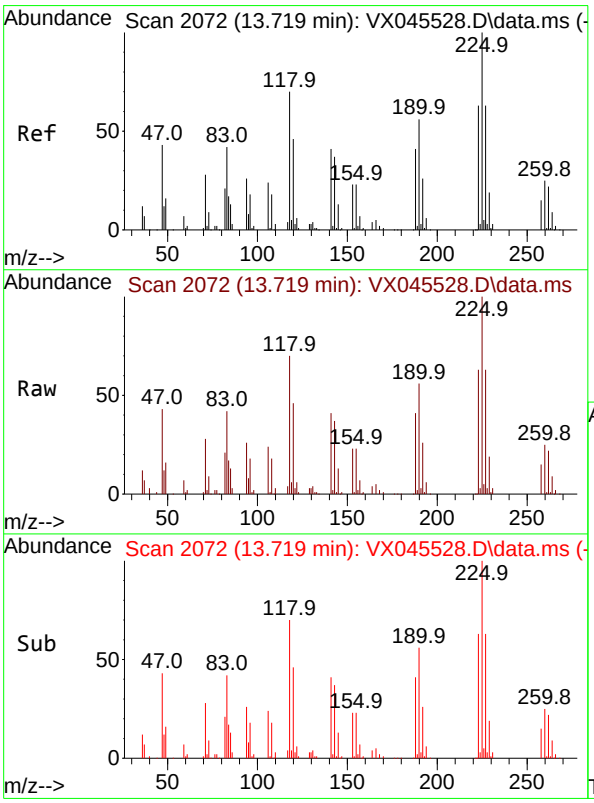
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	35.9	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

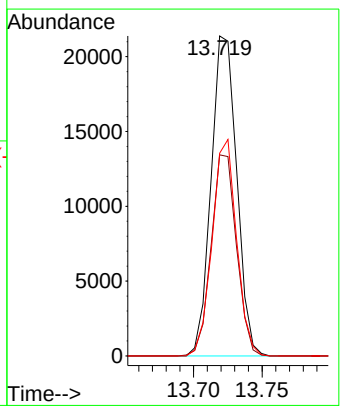
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

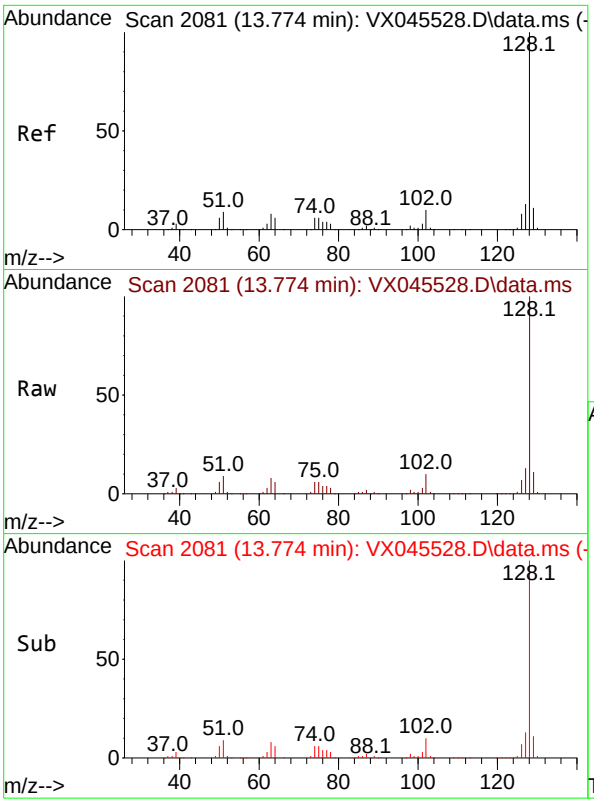


#94
Hexachlorobutadiene
Concen: 50.296 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

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

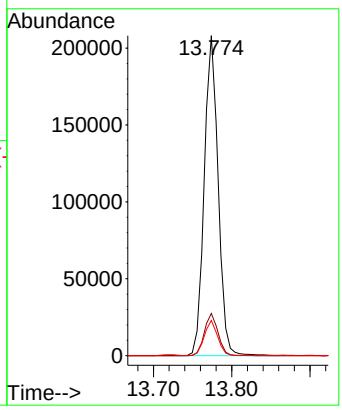




#95
Naphthalene
Concen: 53.643 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045528.D
Acq: 01 Apr 2025 18:15

Tgt Ion:128 Resp: 25600

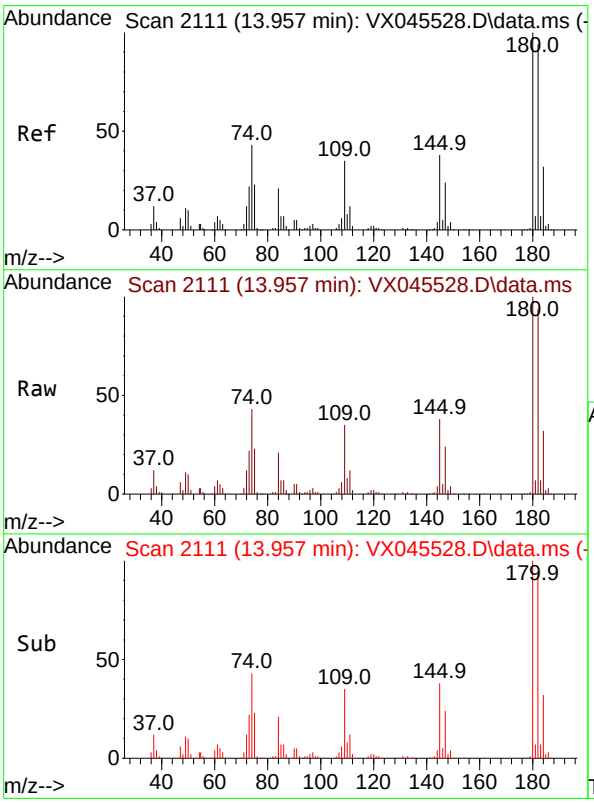
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

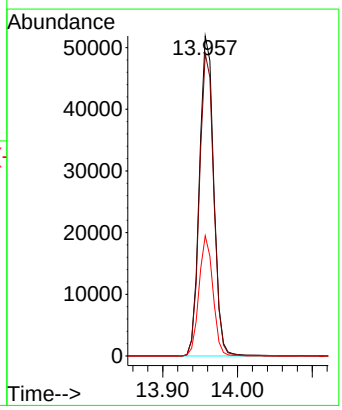
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#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



Quantitation Report (QT Reviewed)

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

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

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

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

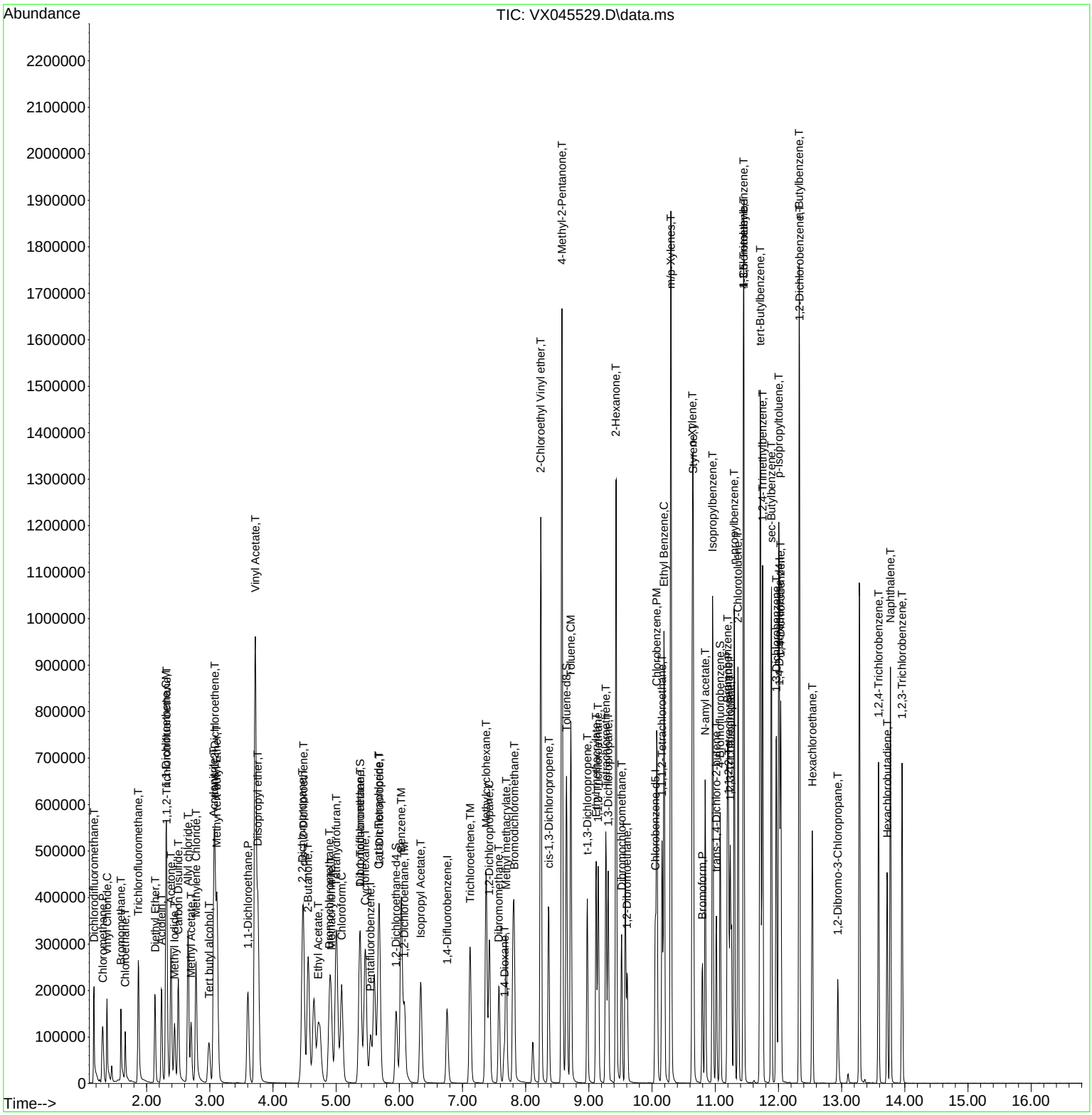
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045529.D
Acq On : 01 Apr 2025 18:38
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

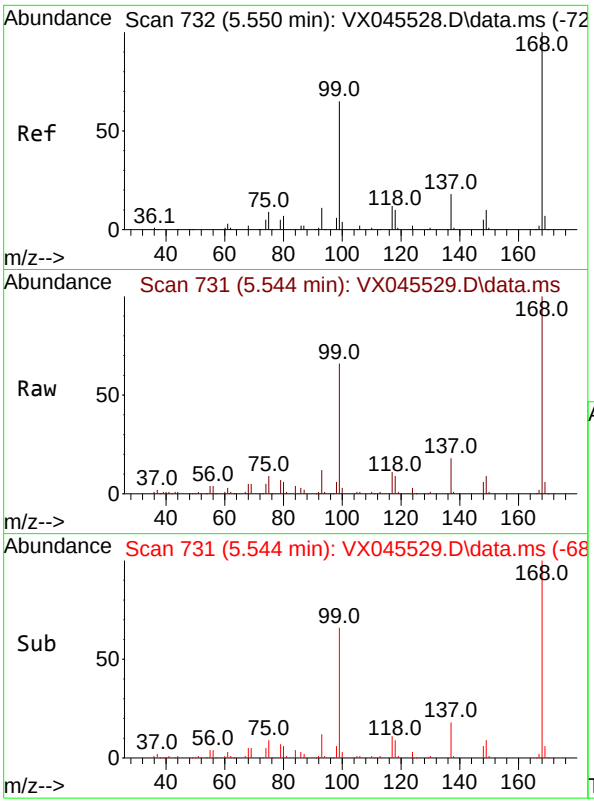
Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

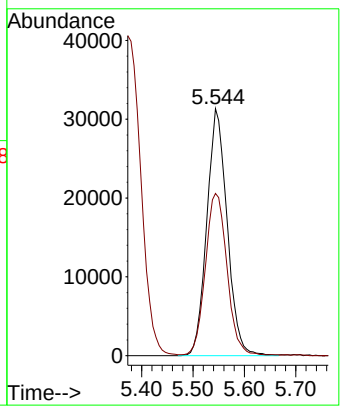




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:168 Resp: 8610

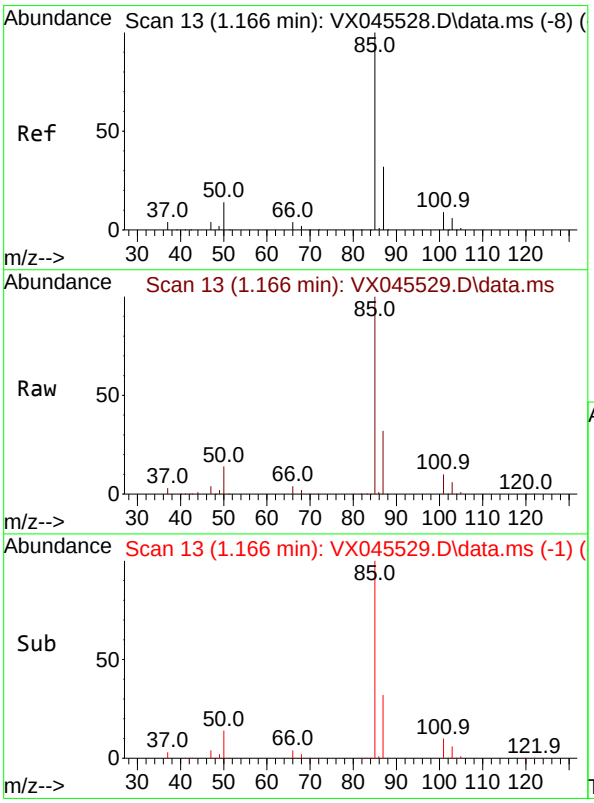
Ion	Ratio	Lower	Upper
168	100		
99	65.3	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

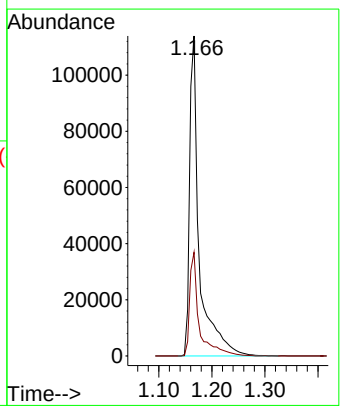
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

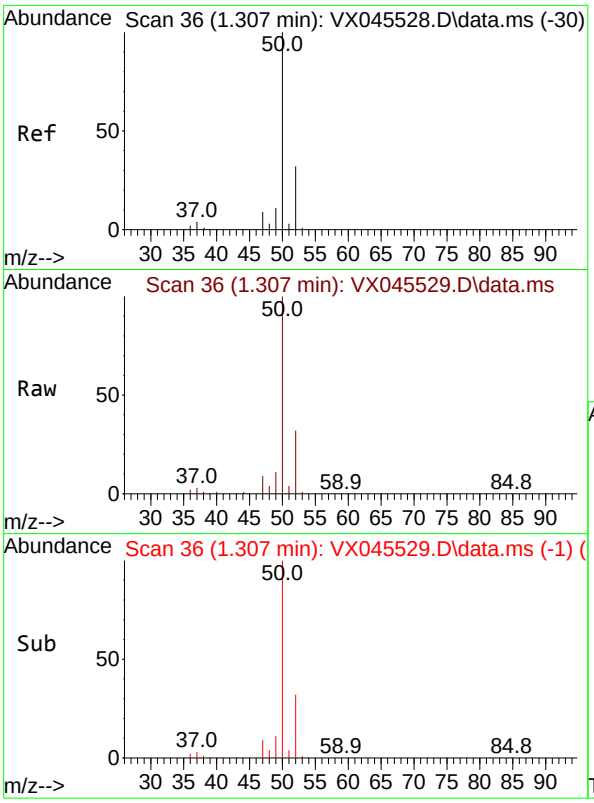


#2
Dichlorodifluoromethane
Concen: 111.909 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 85 Resp: 144108

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.1	48.2

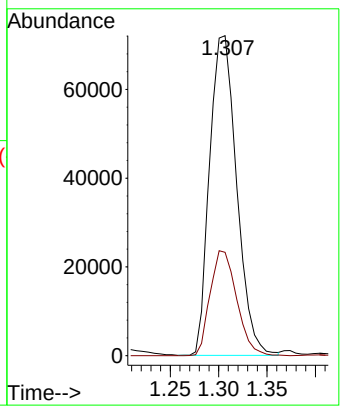




#3
Chloromethane
Concen: 106.098 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 50 Resp: 14036

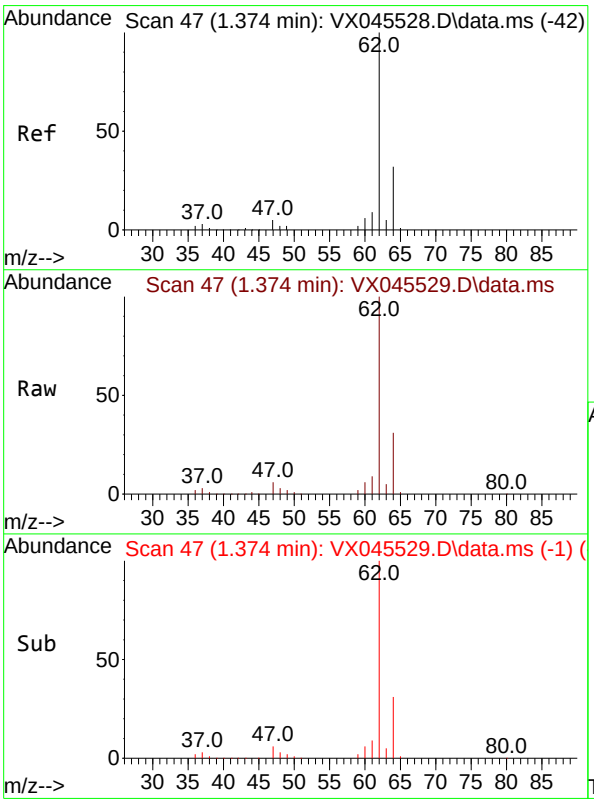
Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

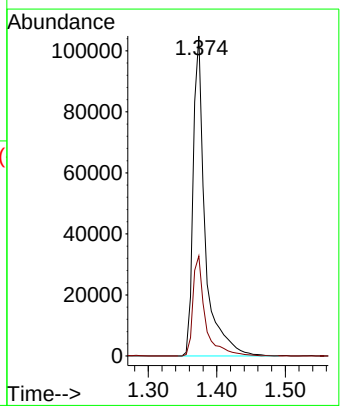
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

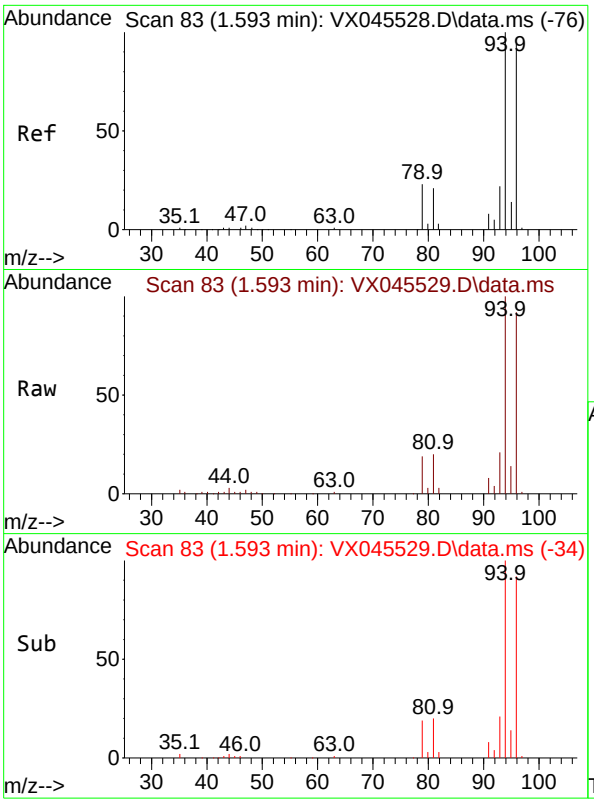


#4
Vinyl Chloride
Concen: 105.042 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 62 Resp: 127174

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.5	38.3

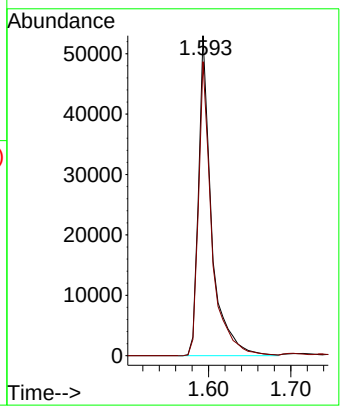




#5
Bromomethane
Concen: 102.266 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 94 Resp: 5870

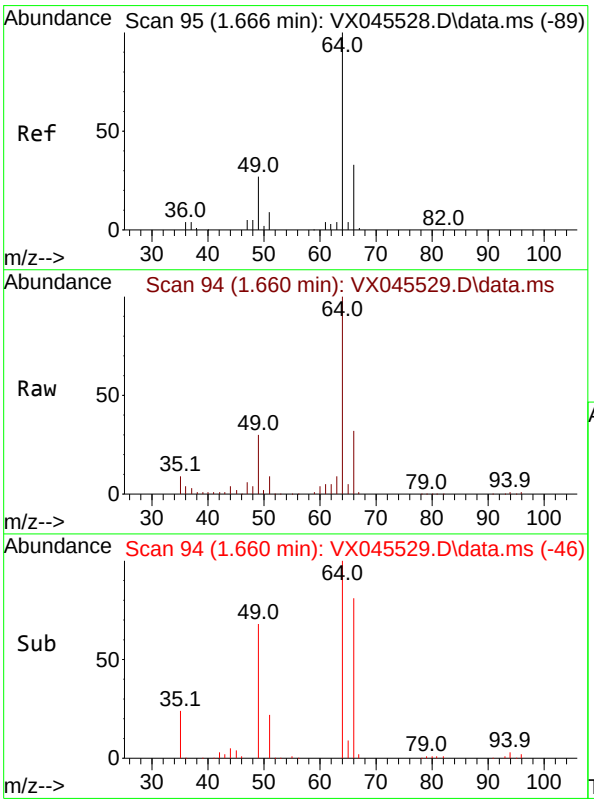
Ion	Ratio	Lower	Upper
94	100		
96	91.9	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

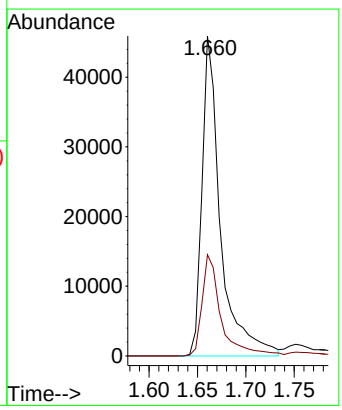
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

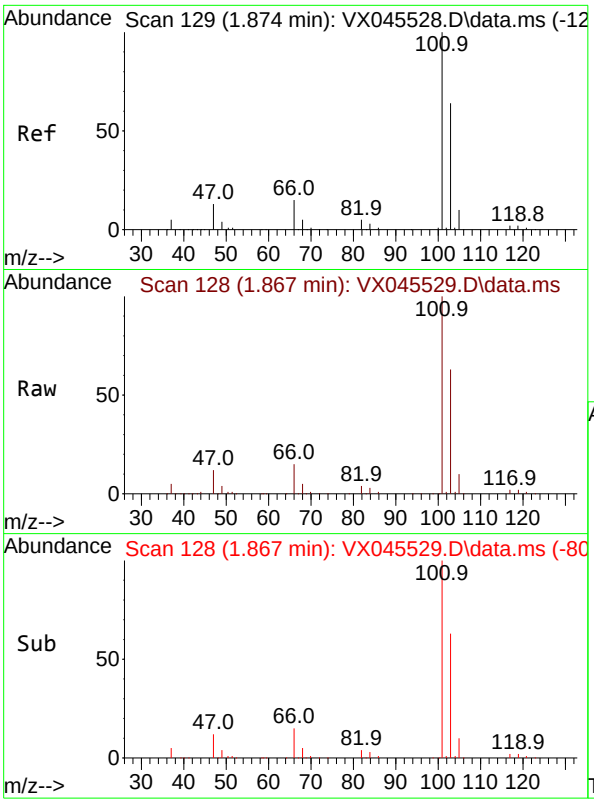


#6
Chloroethane
Concen: 95.120 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 64 Resp: 61099

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.3	39.5

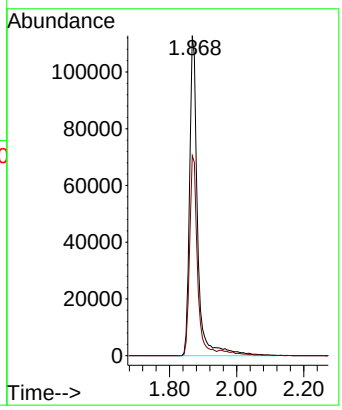




#7
Trichlorofluoromethane
Concen: 103.887 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:101 Resp: 18755

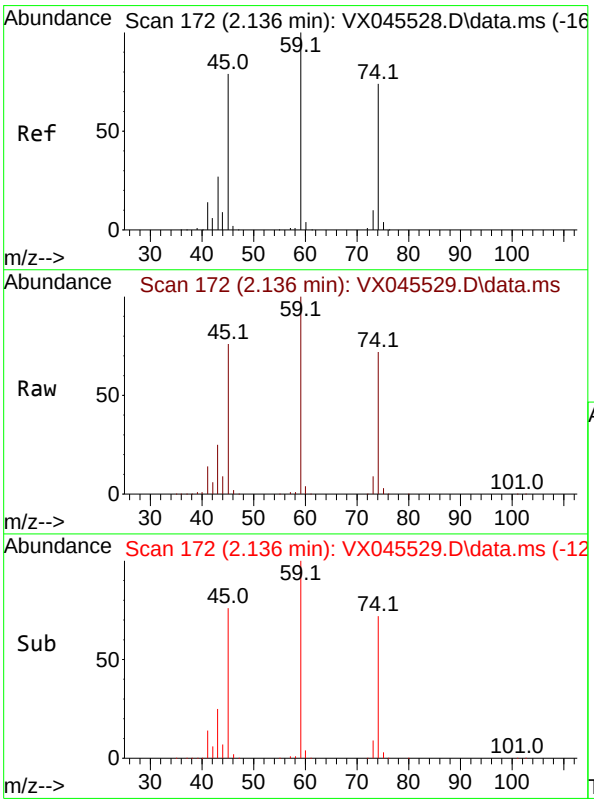
Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

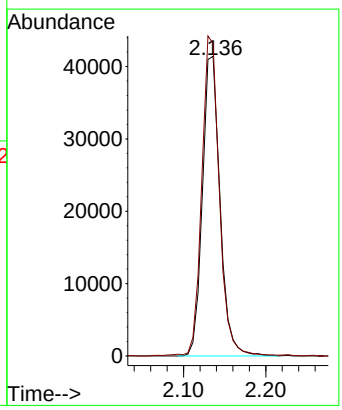
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

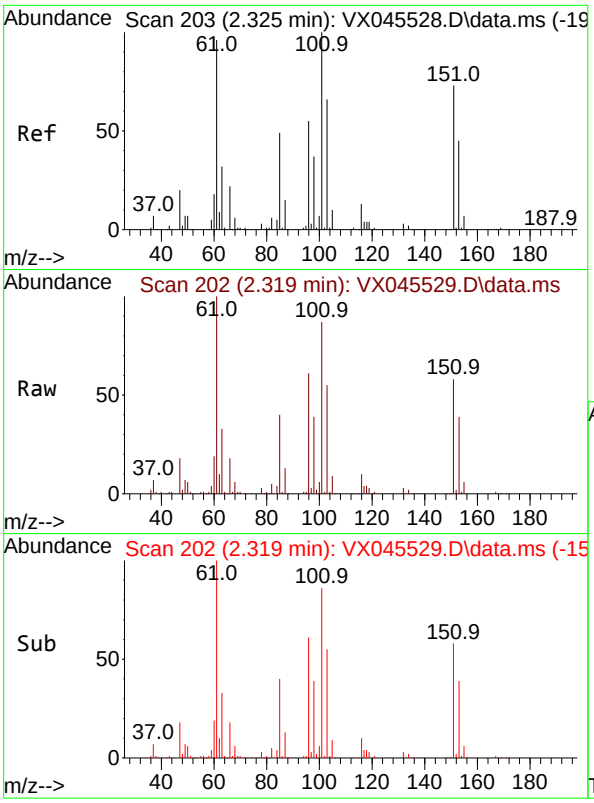


#8
Diethyl Ether
Concen: 101.767 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 74 Resp: 61683

Ion	Ratio	Lower	Upper
74	100		
45	106.7	53.0	159.1

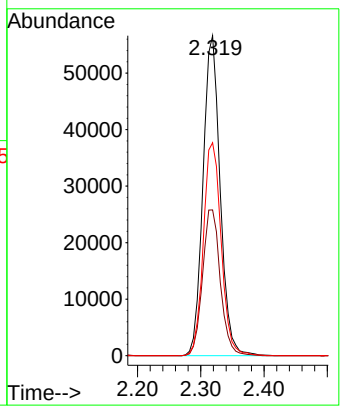




#9
1,1,2-Trichlorotrifluoroethane
Concen: 101.133 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:101 Resp: 10698

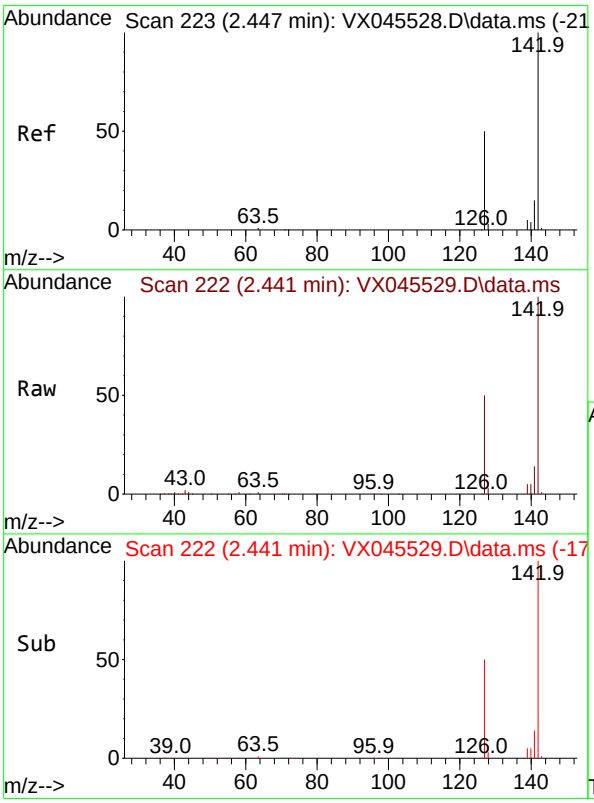
Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.9	58.3
151	69.0	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

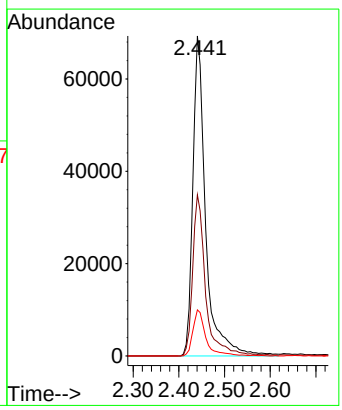
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

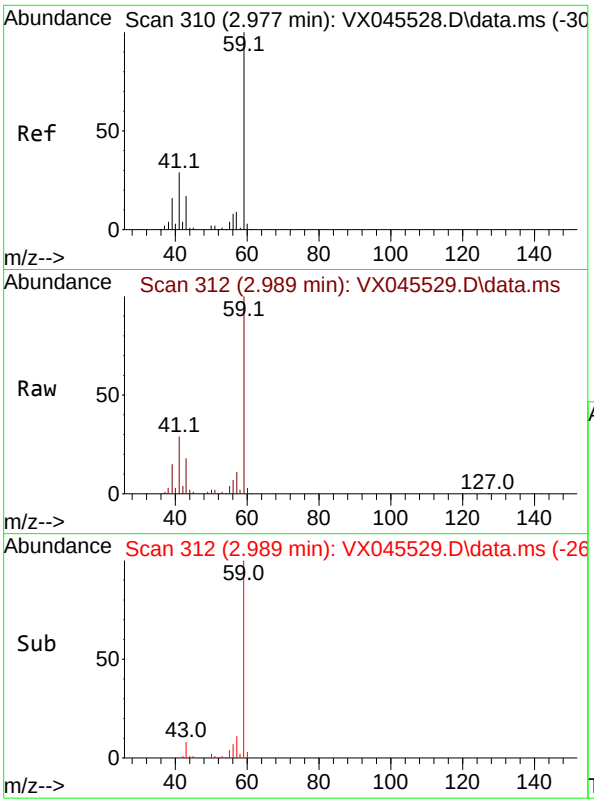


#10
Methyl Iodide
Concen: 102.863 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

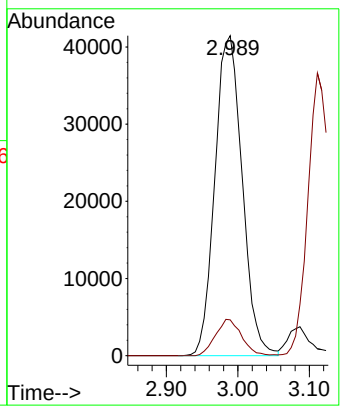




#11
Tert butyl alcohol
Concen: 519.999 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 59 Resp: 11004

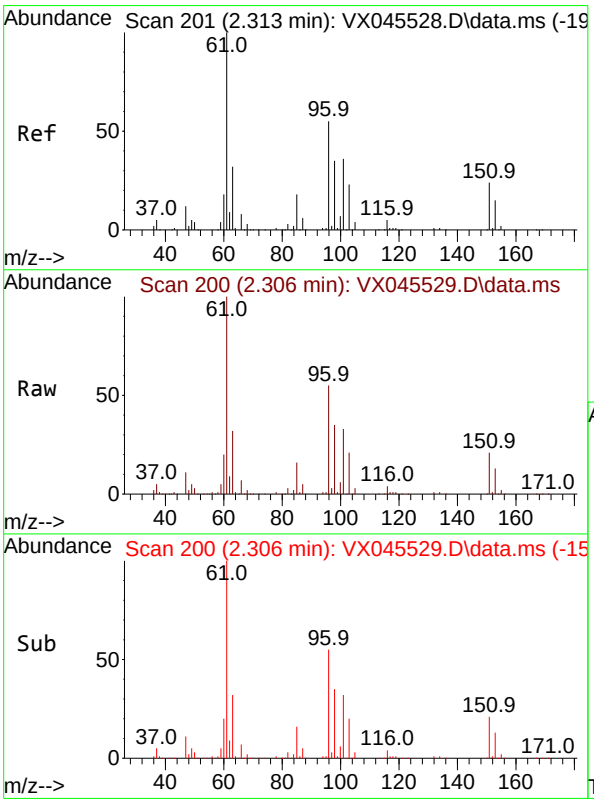
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

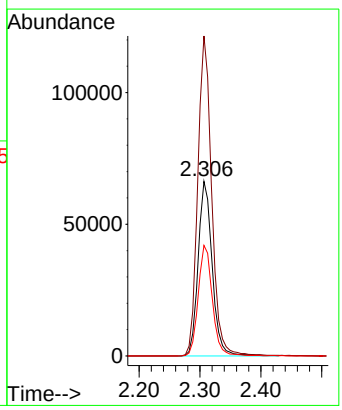
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

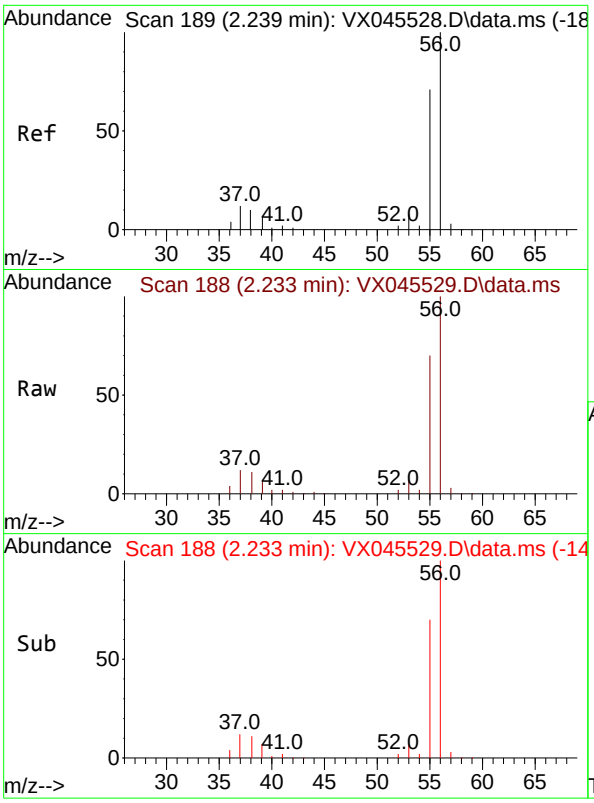


#12
1,1-Dichloroethene
Concen: 102.934 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

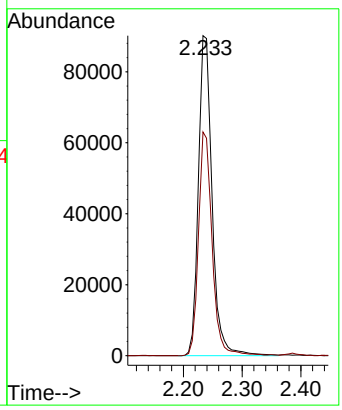




#13
Acrolein
Concen: 501.914 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 56 Resp: 14626

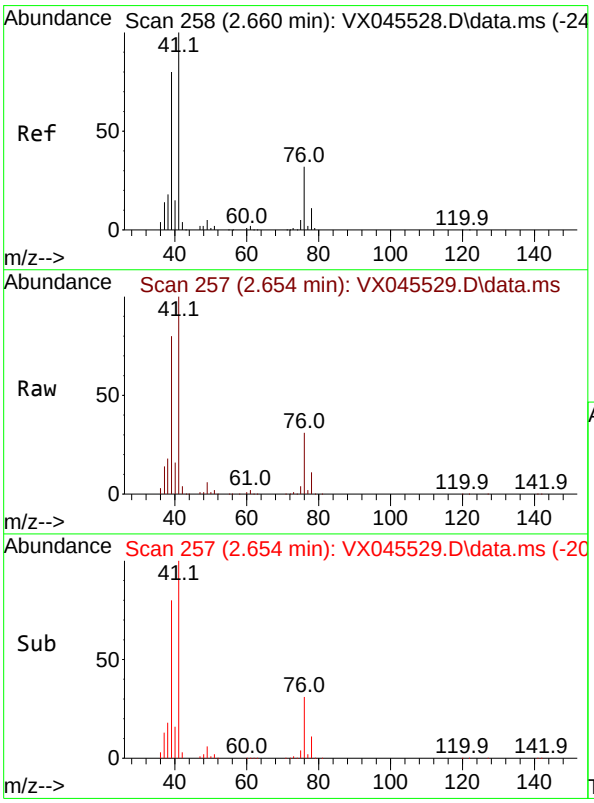
Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

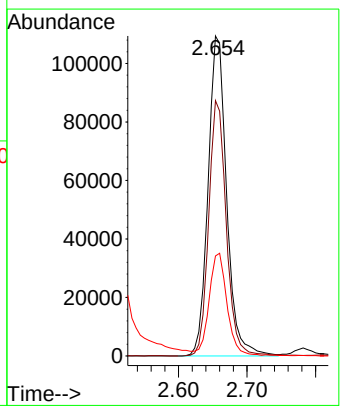
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

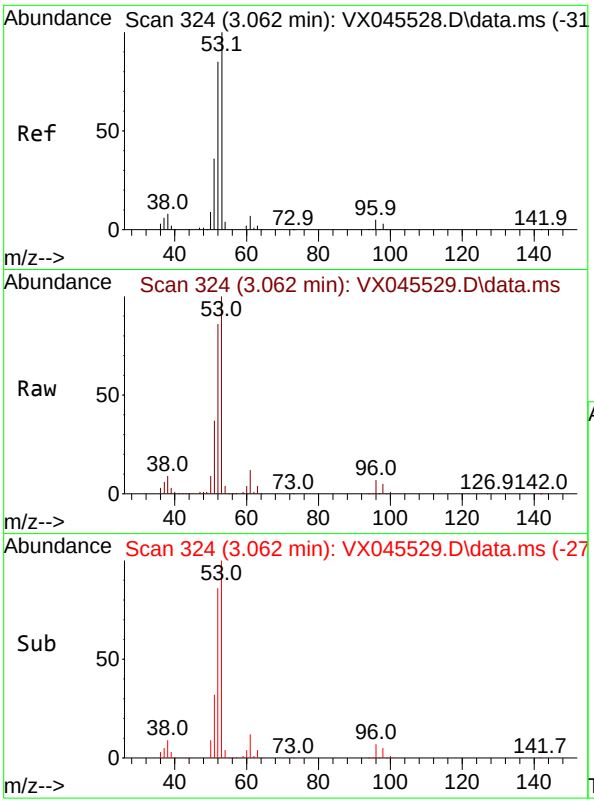


#14
Allyl chloride
Concen: 105.276 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

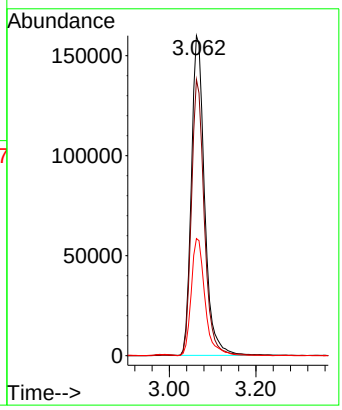




#15
Acrylonitrile
Concen: 507.426 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 53 Resp: 33897

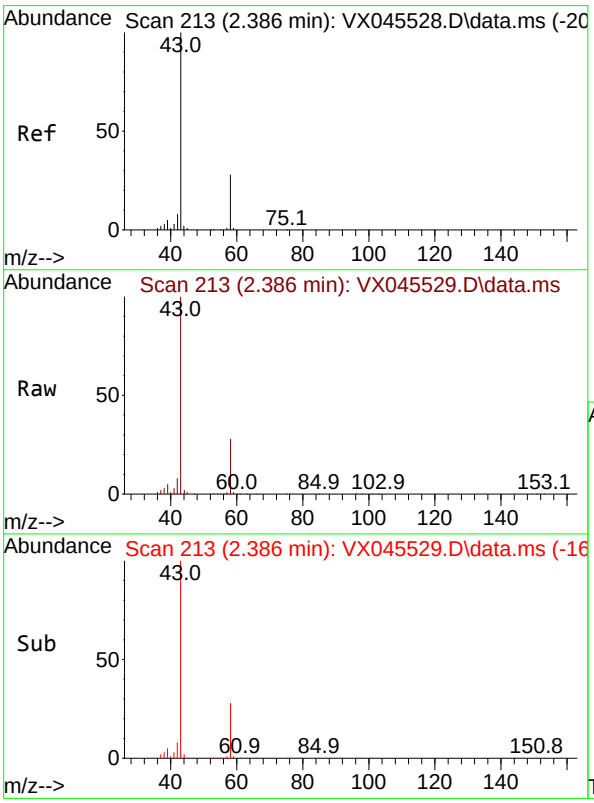
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.4	101.2
51	38.0	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

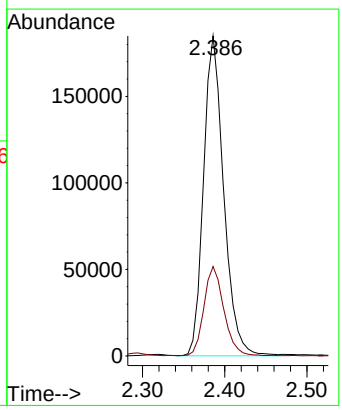
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

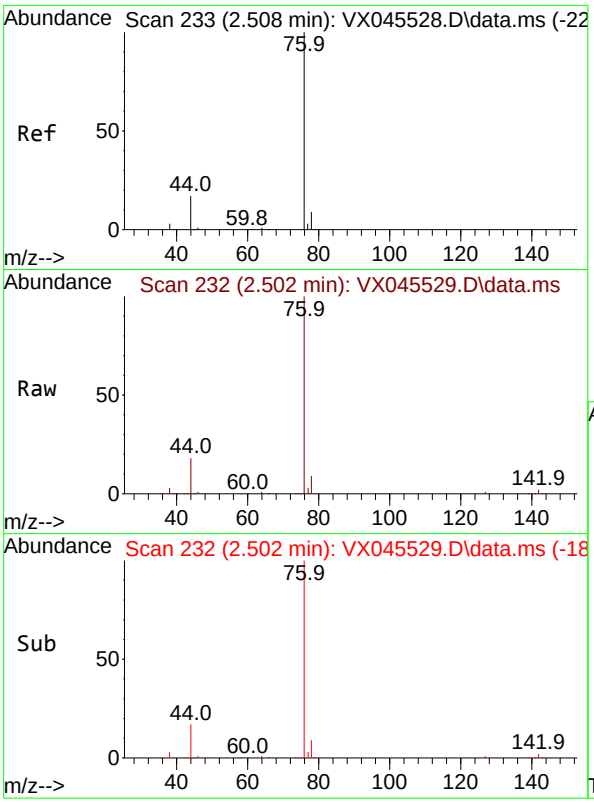


#16
Acetone
Concen: 486.054 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

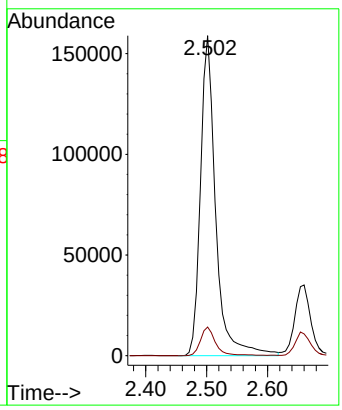
Tgt Ion: 76 Resp: 27628

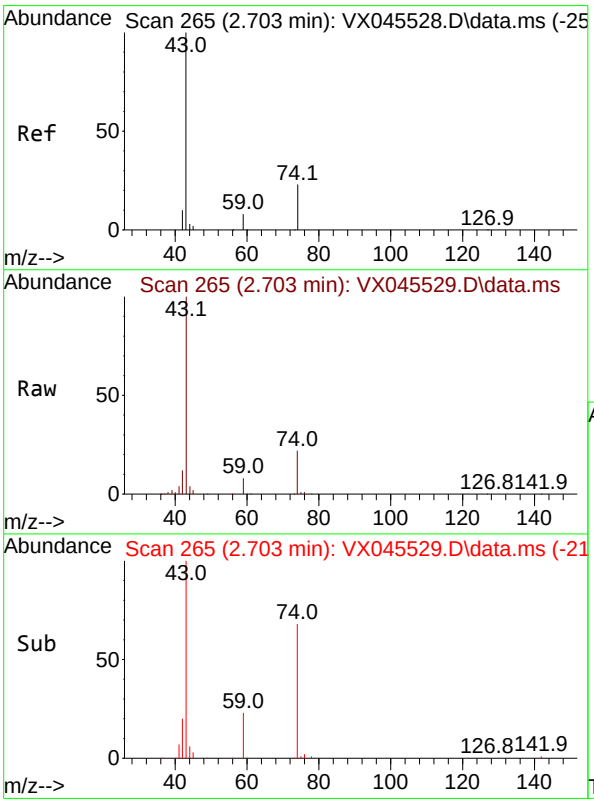
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

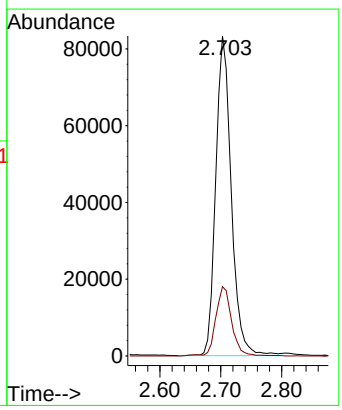


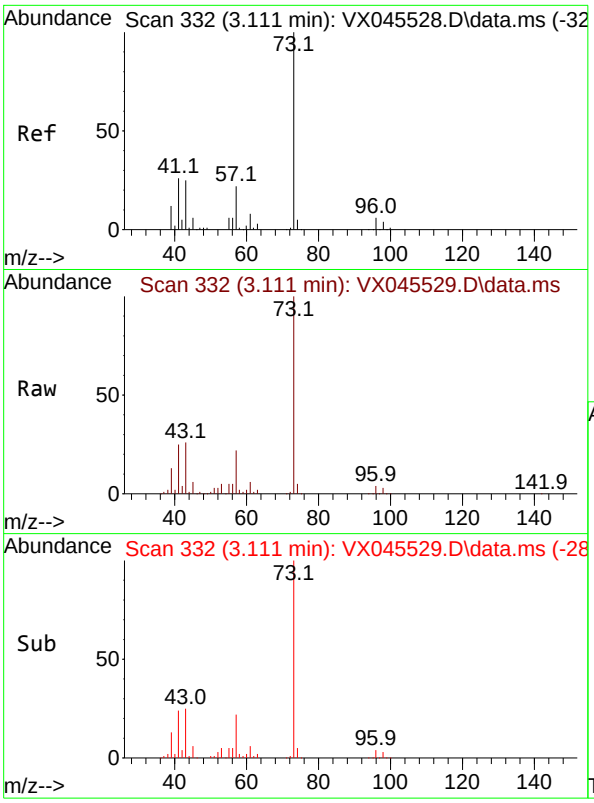


#18
Methyl Acetate
Concen: 98.925 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 147272

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.5	26.3

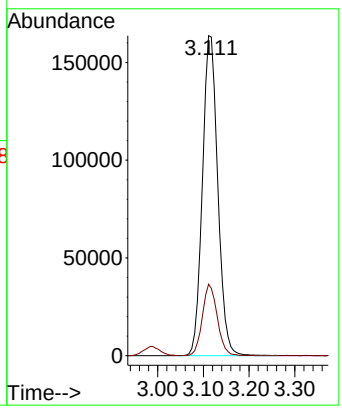




#19
Methyl tert-butyl Ether
Concen: 105.561 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 73 Resp: 38171

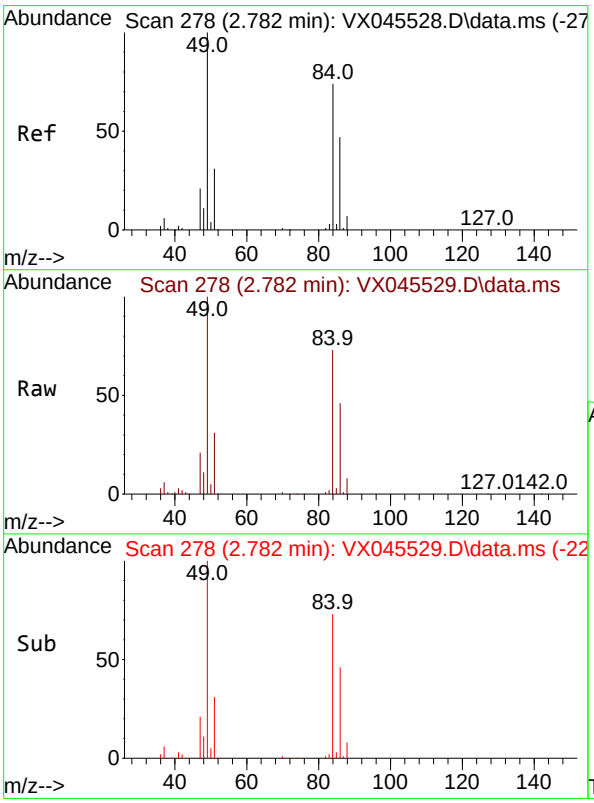
Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

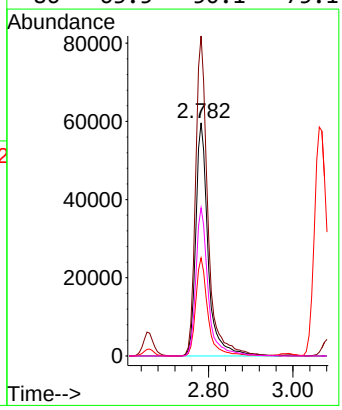
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

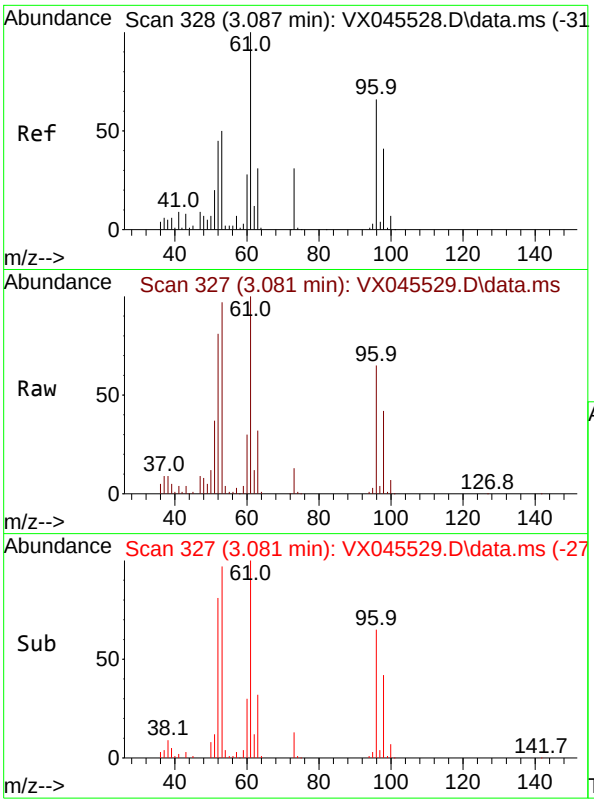


#20
Methylene Chloride
Concen: 100.316 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

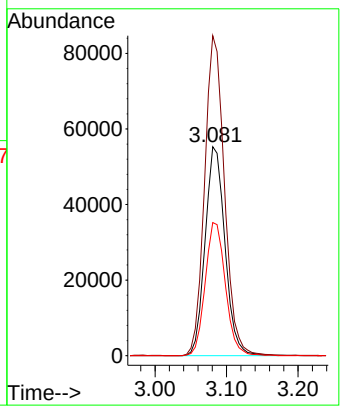




#21
trans-1,2-Dichloroethene
Concen: 101.220 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 96 Resp: 10689

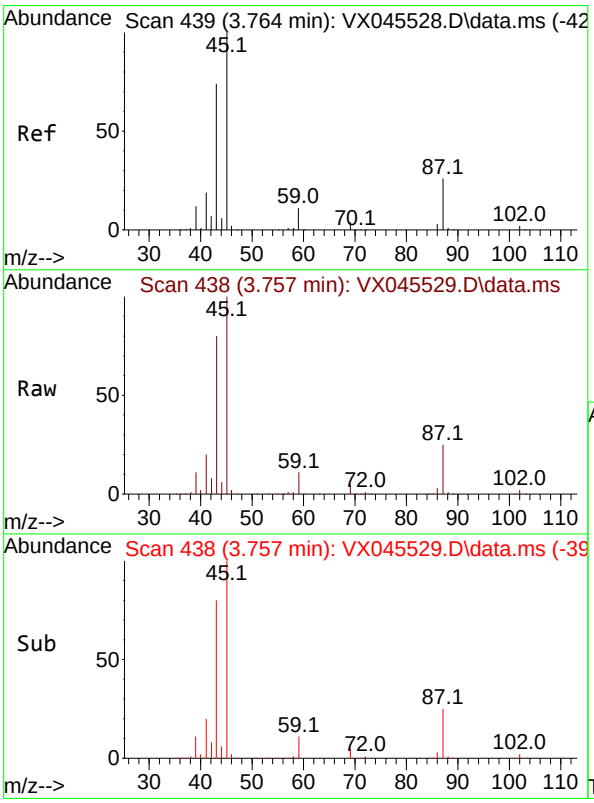
Ion	Ratio	Lower	Upper
96	100		
61	153.1	121.0	181.6
98	63.7	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

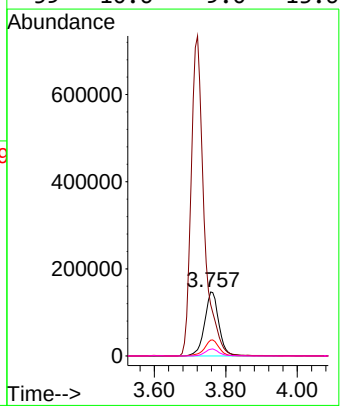
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

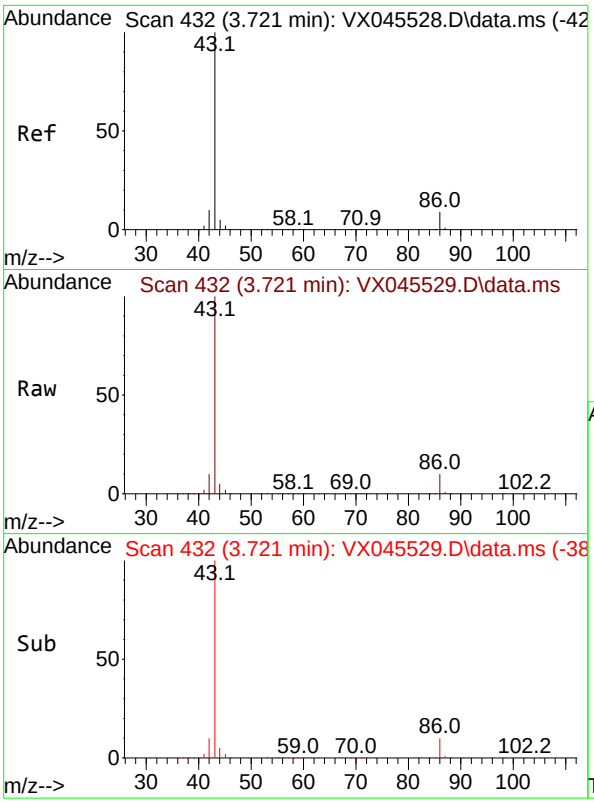


#22
Diisopropyl ether
Concen: 105.132 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

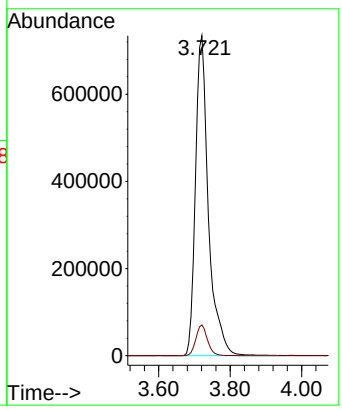




#23
Vinyl Acetate
Concen: 553.853 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 184881

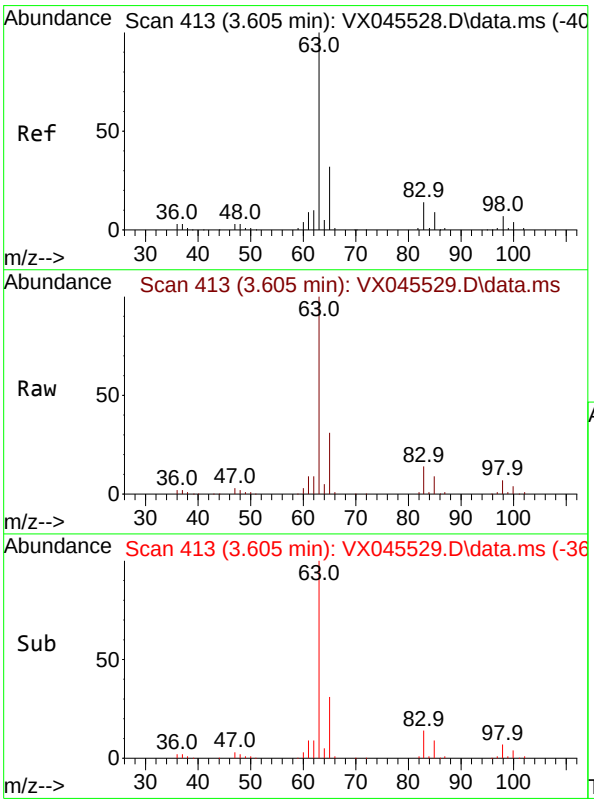
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

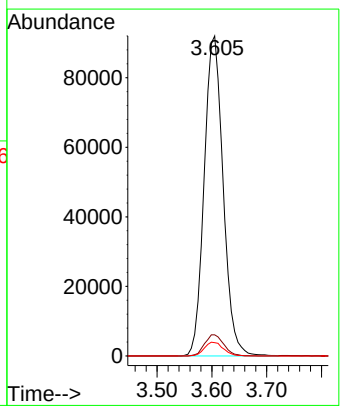
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

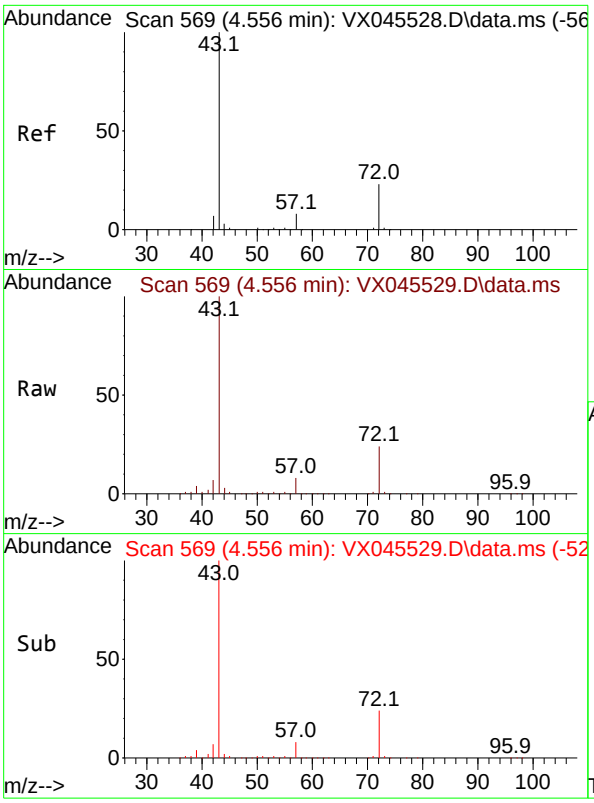


#24
1,1-Dichloroethane
Concen: 101.114 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

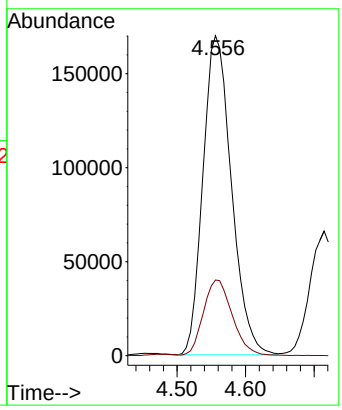




#25
2-Butanone
Concen: 519.018 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 49124

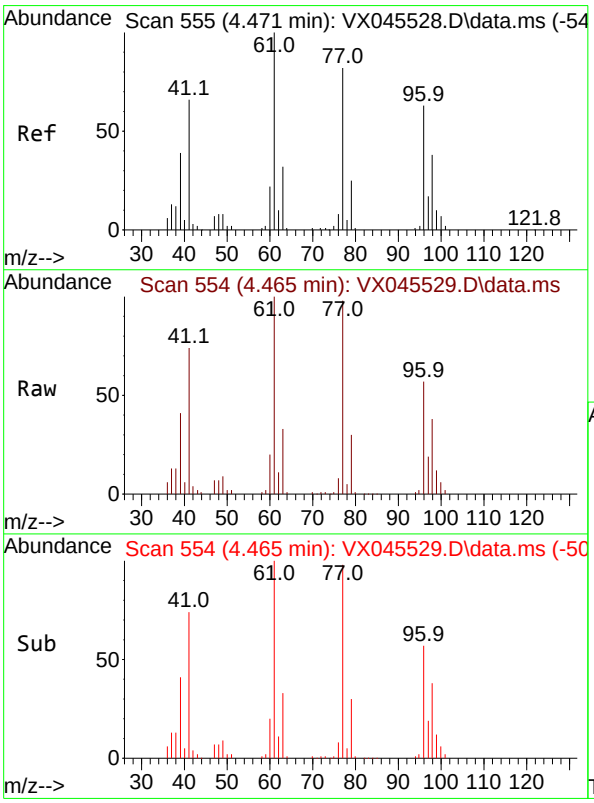
Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

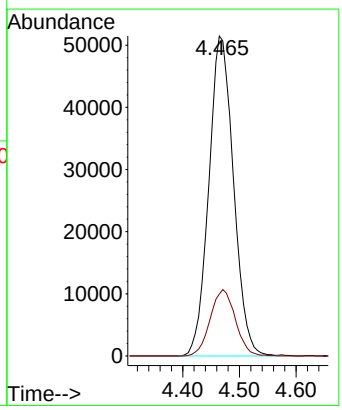
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

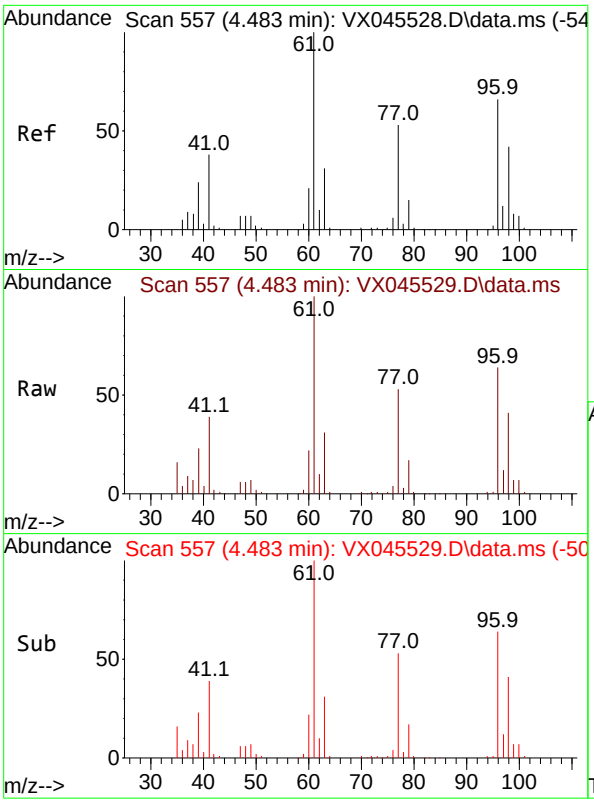


#26
2,2-Dichloropropane
Concen: 110.215 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 77 Resp: 155592

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8

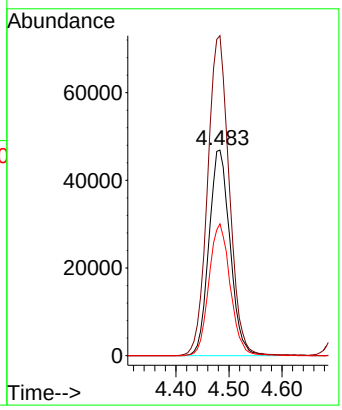




#27
cis-1,2-Dichloroethene
Concen: 100.871 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 96 Resp: 12978

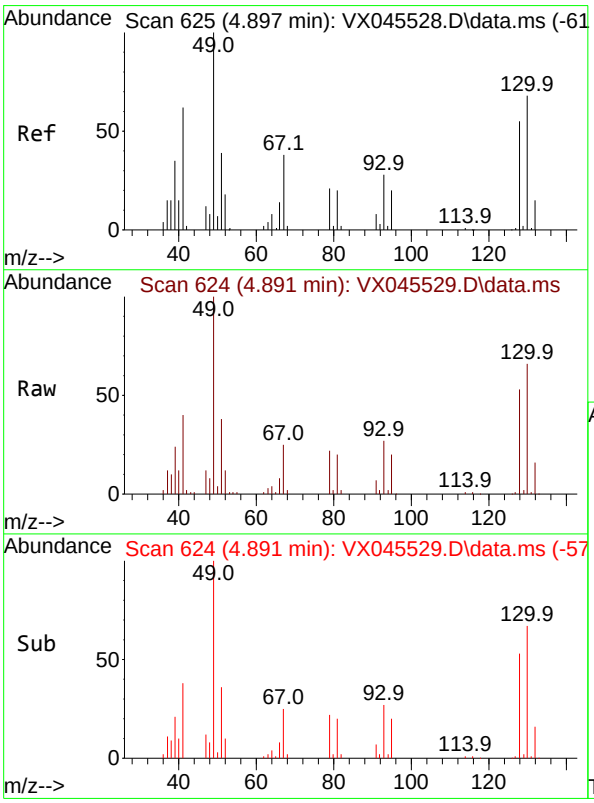
Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	313.2
98	64.7	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

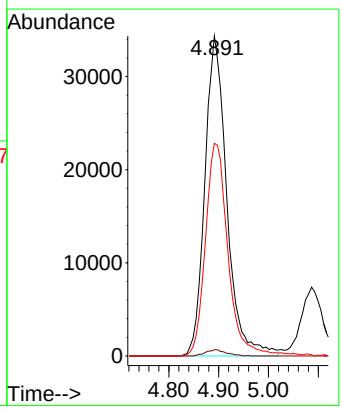
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

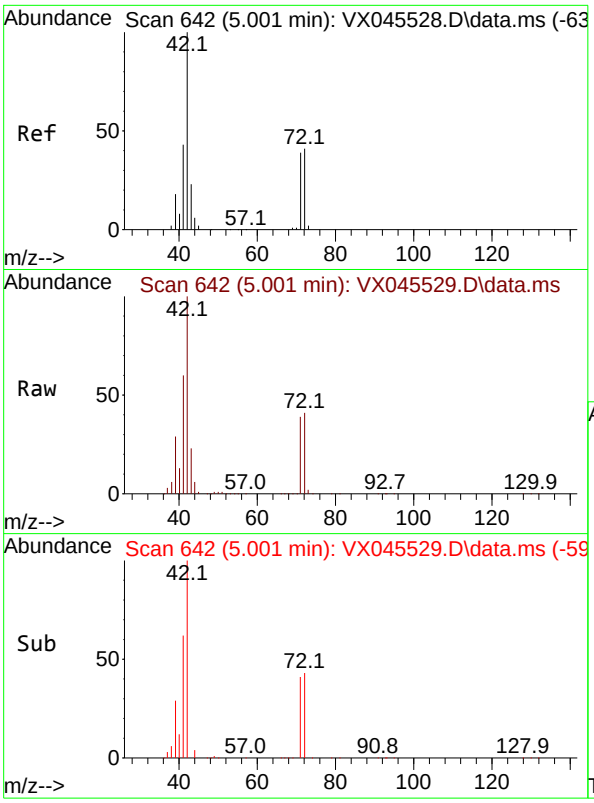


#28
Bromochloromethane
Concen: 99.530 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

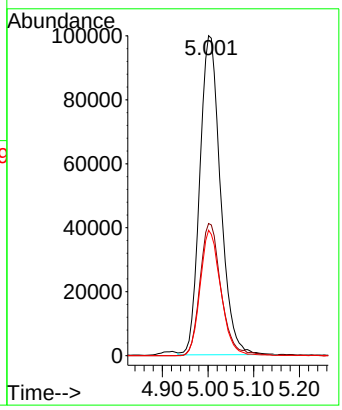
Tgt Ion: 42 Resp: 31312

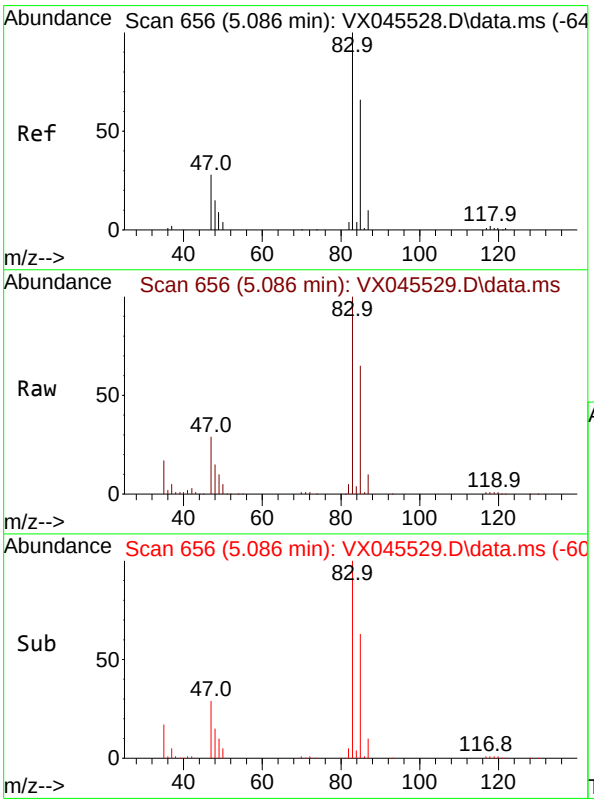
Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	39.1	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

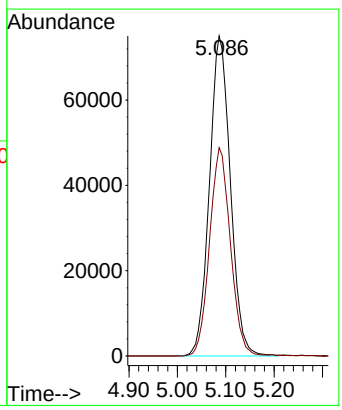


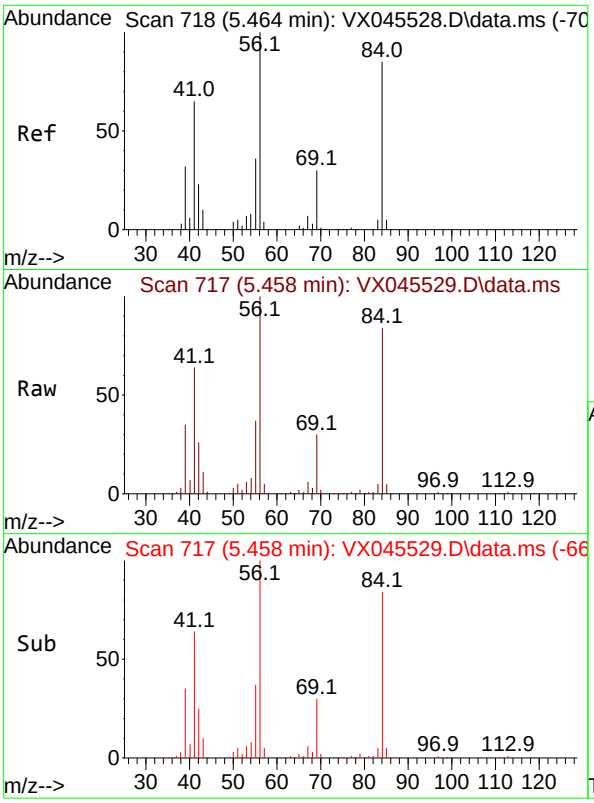


#30
Chloroform
Concen: 100.255 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 83 Resp: 225402

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.8	79.2

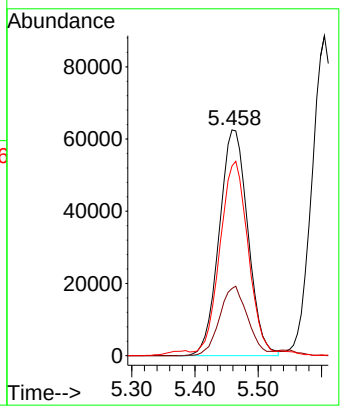




#31
Cyclohexane
Concen: 102.056 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 56 Resp: 19713

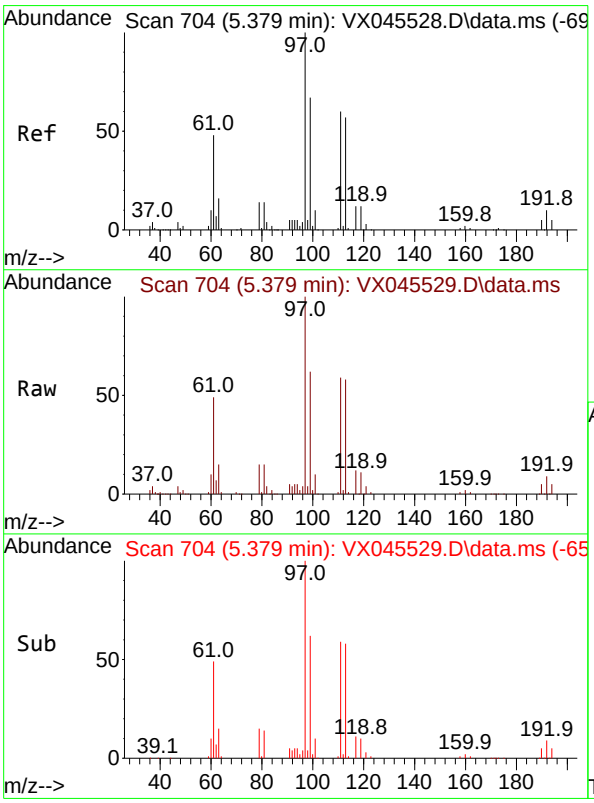
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.6	35.4
84	82.1	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

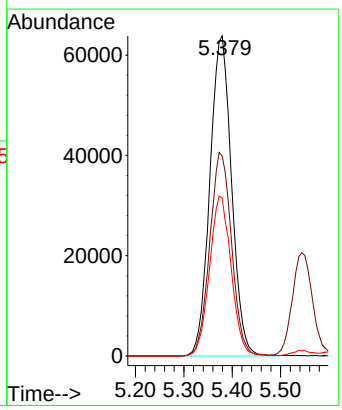
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

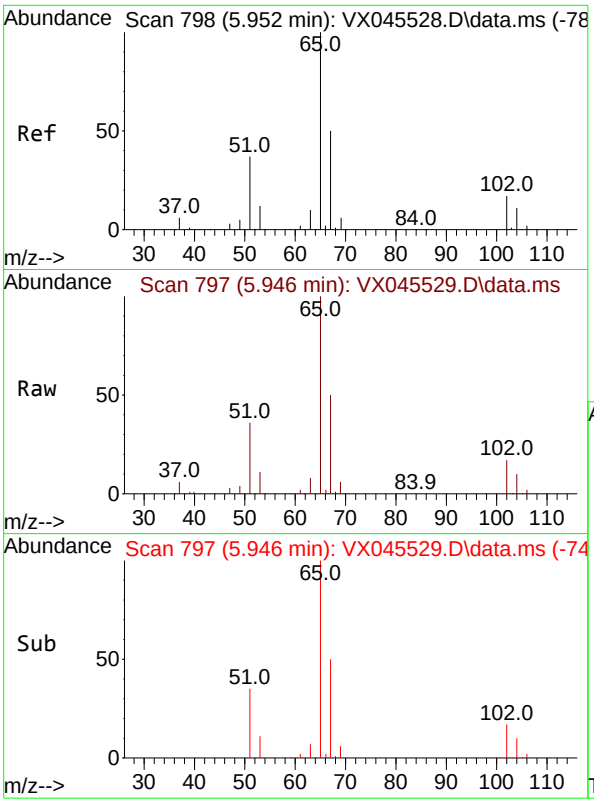


#32
1,1,1-Trichloroethane
Concen: 104.346 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

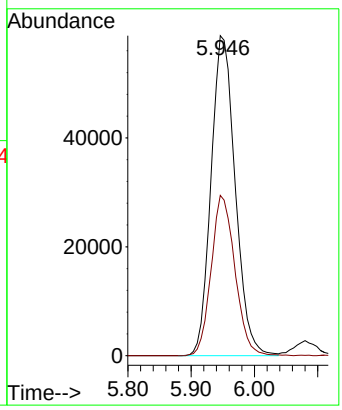




#33
1,2-Dichloroethane-d4
Concen: 98.914 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 65 Resp: 15575

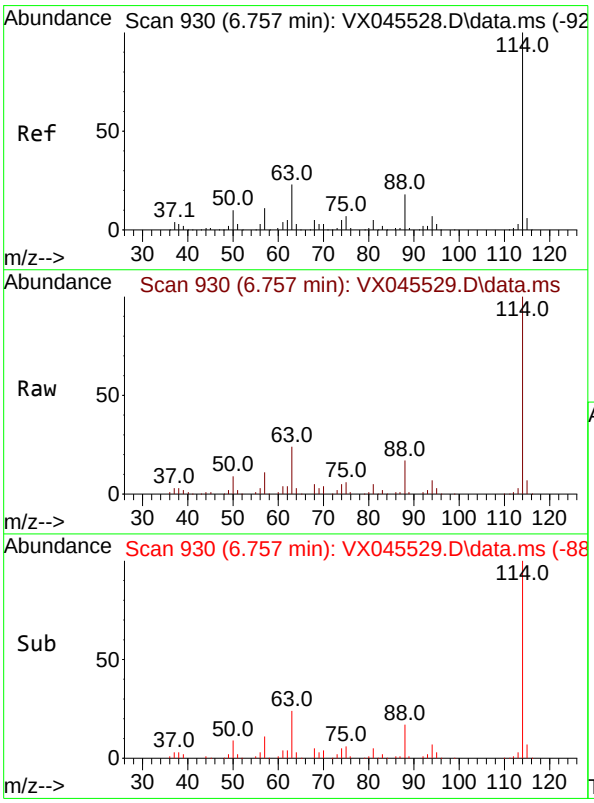
Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

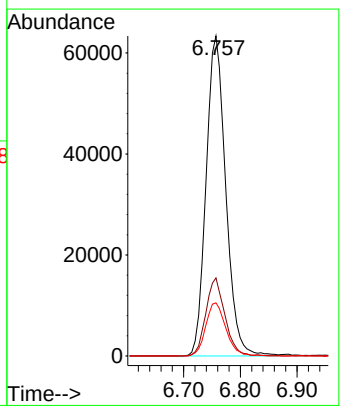
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

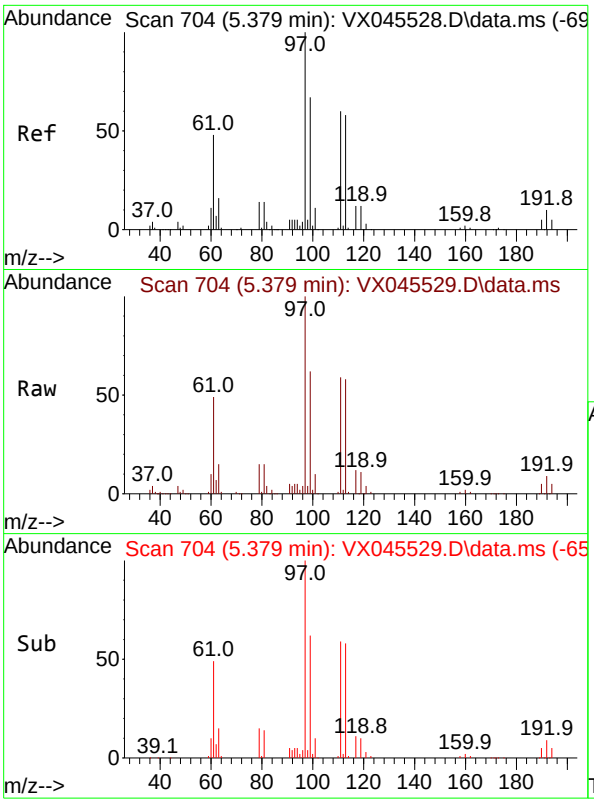


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

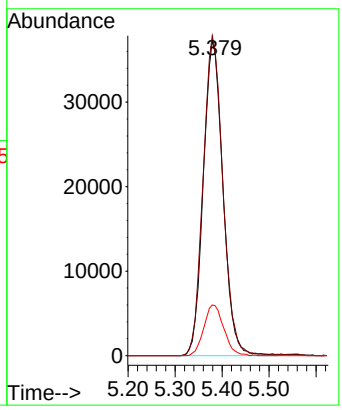




#35
Dibromofluoromethane
Concen: 99.585 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:113 Resp: 10790

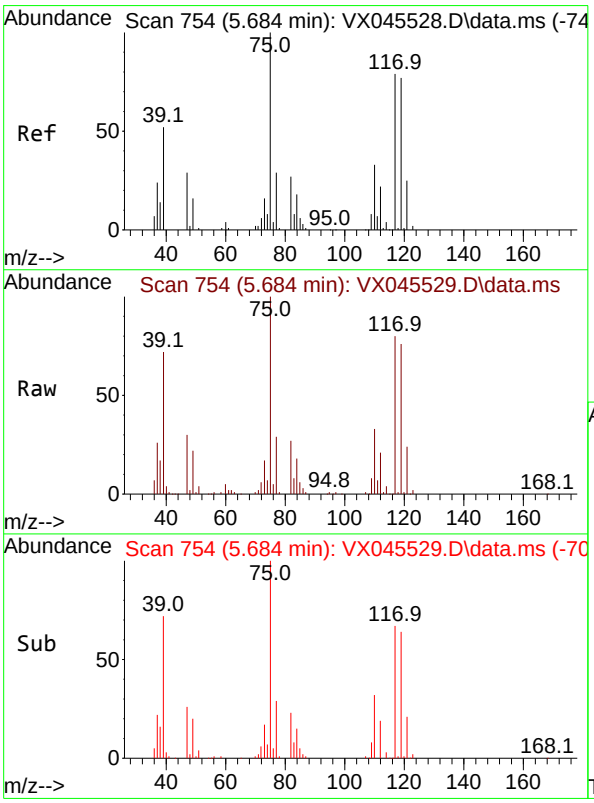
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	16.4	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

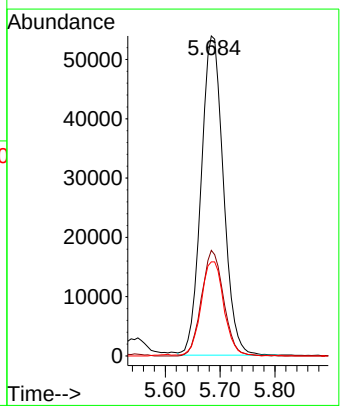
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

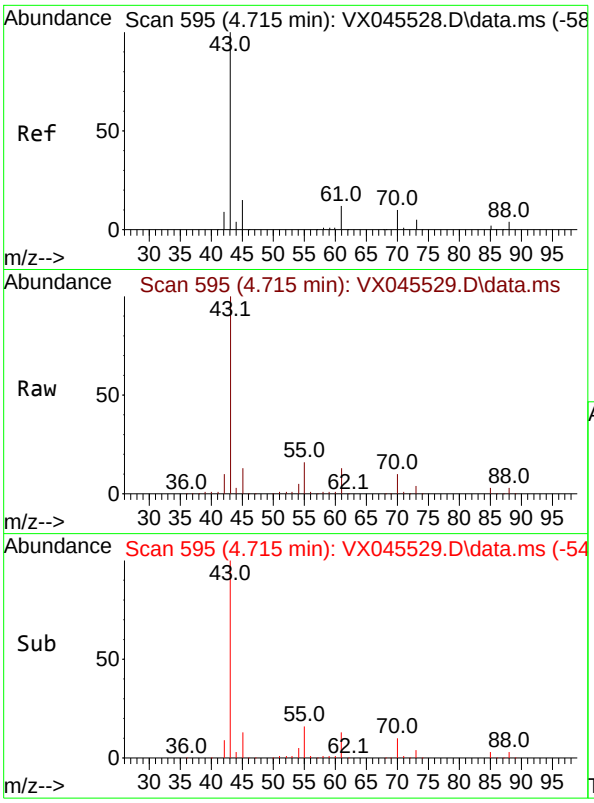


#36
1,1-Dichloropropene
Concen: 103.515 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

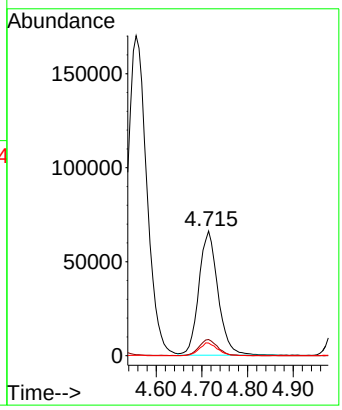




#37
Ethyl Acetate
Concen: 104.207 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 19213

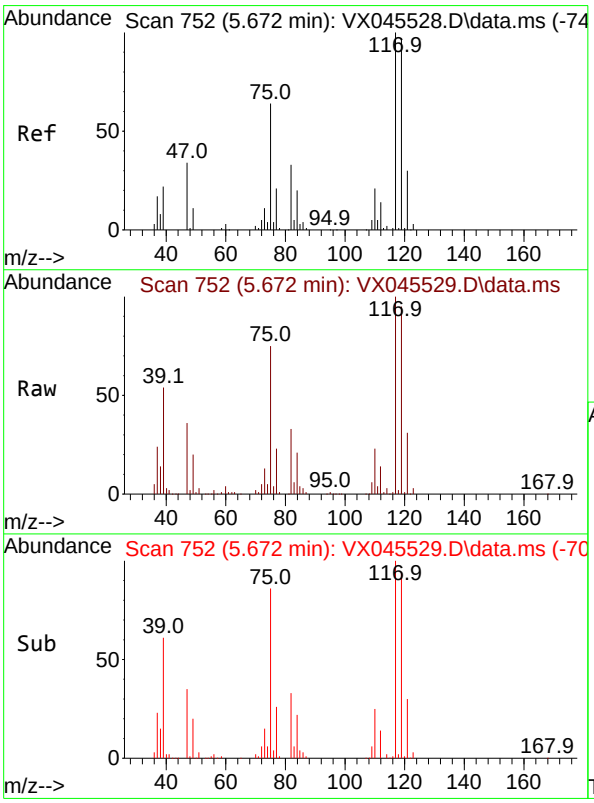
Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.9	14.9
70	9.8	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

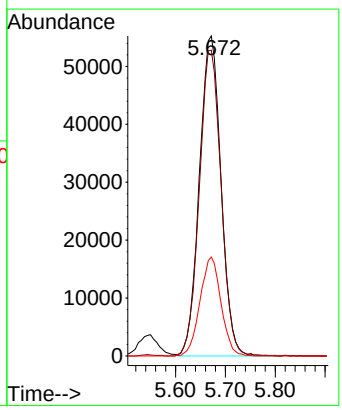
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

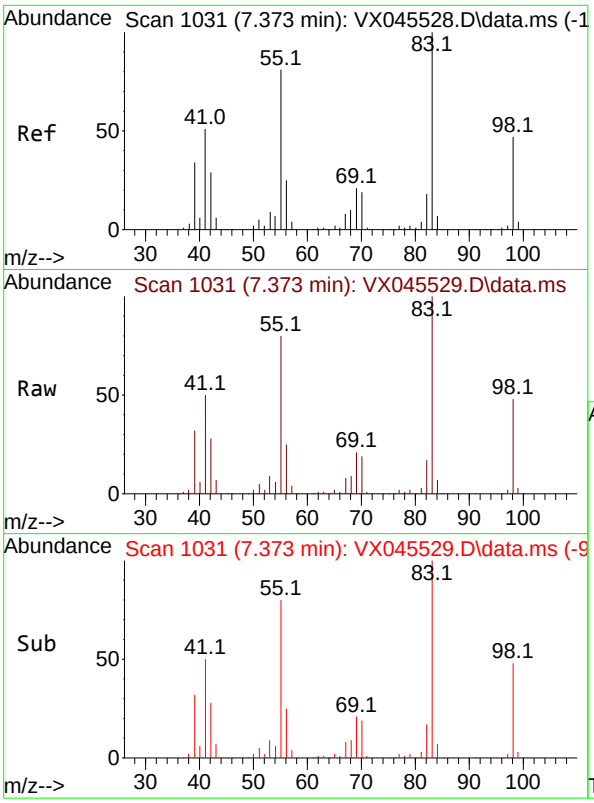


#38
Carbon Tetrachloride
Concen: 105.278 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

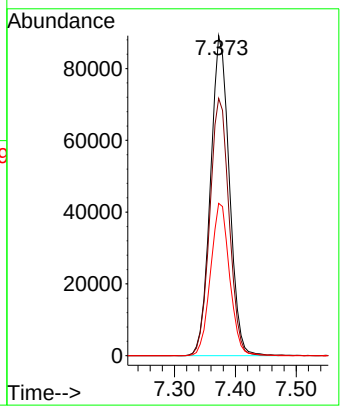




#39
Methylcyclohexane
Concen: 106.921 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 83 Resp: 19175

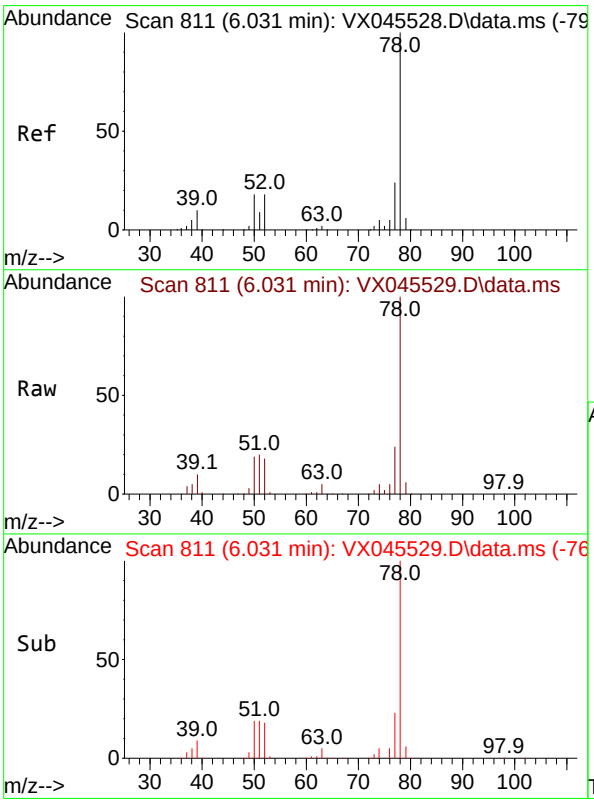
Ion	Ratio	Lower	Upper
83	100		
55	80.4	64.9	97.3
98	47.6	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

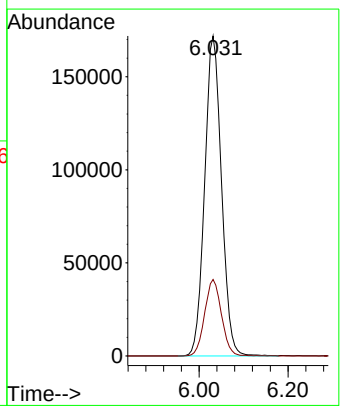
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

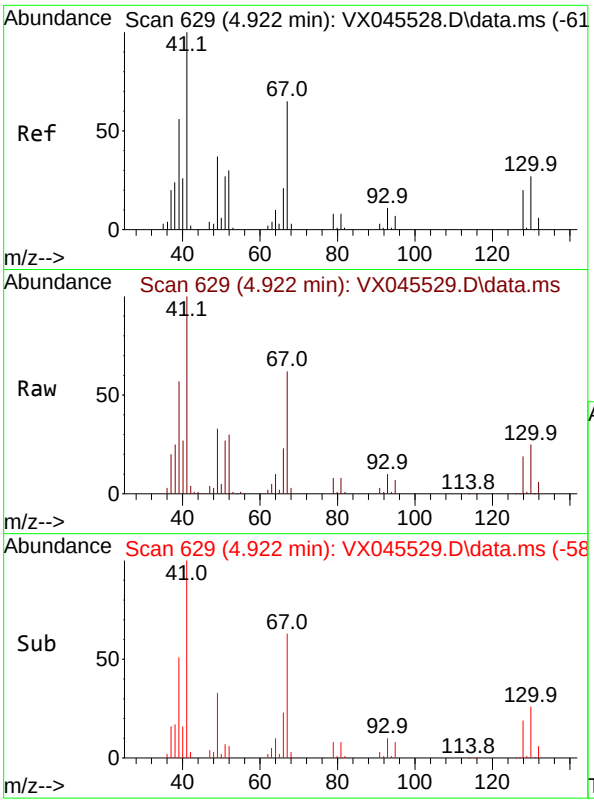


#40
Benzene
Concen: 101.369 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 78 Resp: 452946

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6

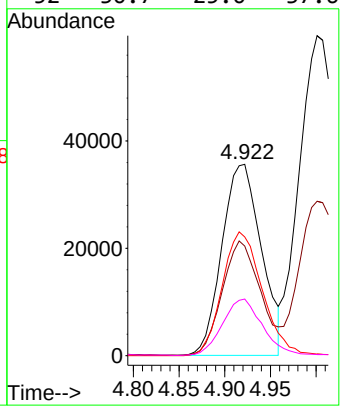




#41
Methacrylonitrile
Concen: 109.068 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 41 Resp: 10703

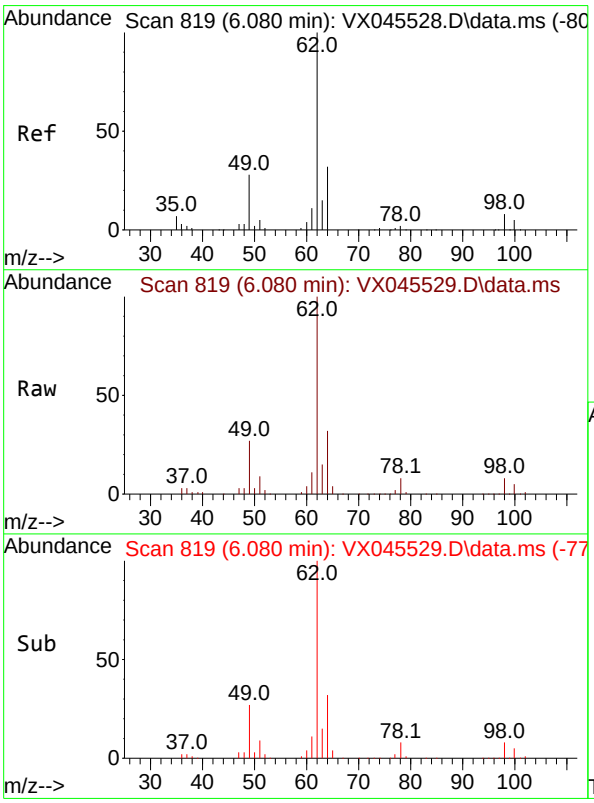
Ion	Ratio	Lower	Upper
41	100		
39	57.9	47.0	70.6
67	66.2	53.2	79.8
52	30.7	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

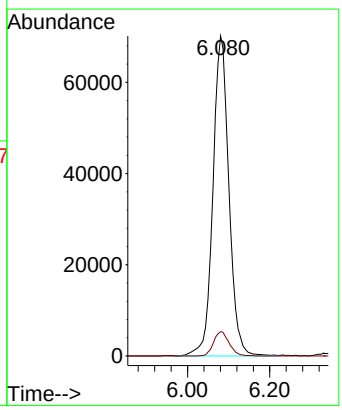
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

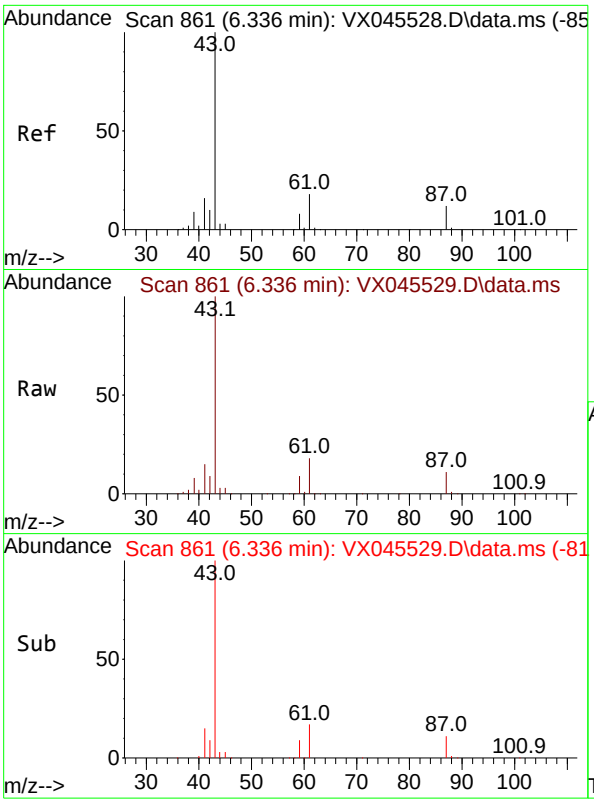


#42
1,2-Dichloroethane
Concen: 102.696 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 62 Resp: 189528

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2

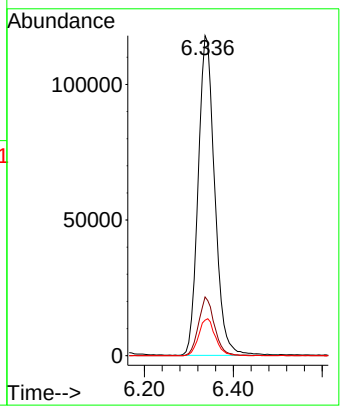




#43
Isopropyl Acetate
Concen: 109.494 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 30597

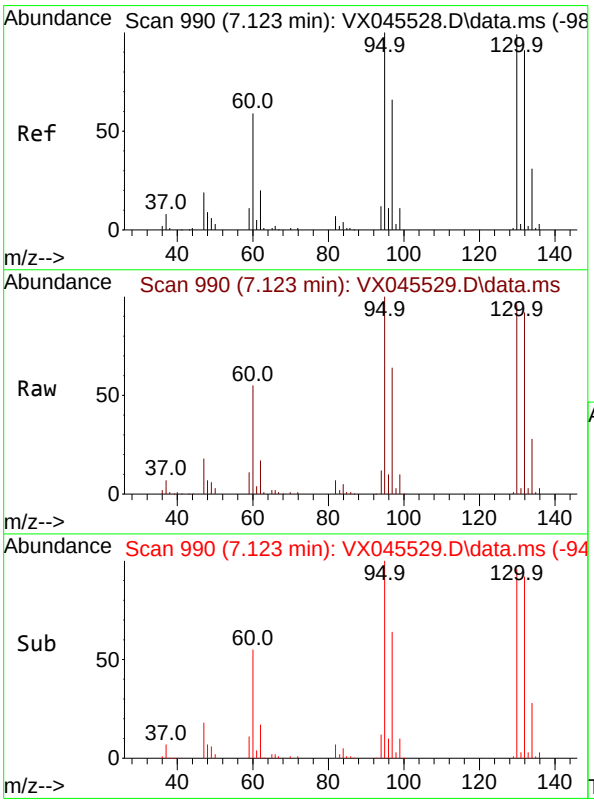
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.1	21.1
87	11.6	9.2	13.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

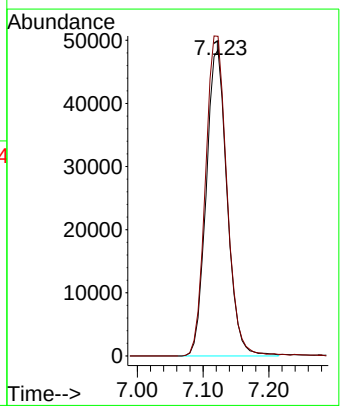
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

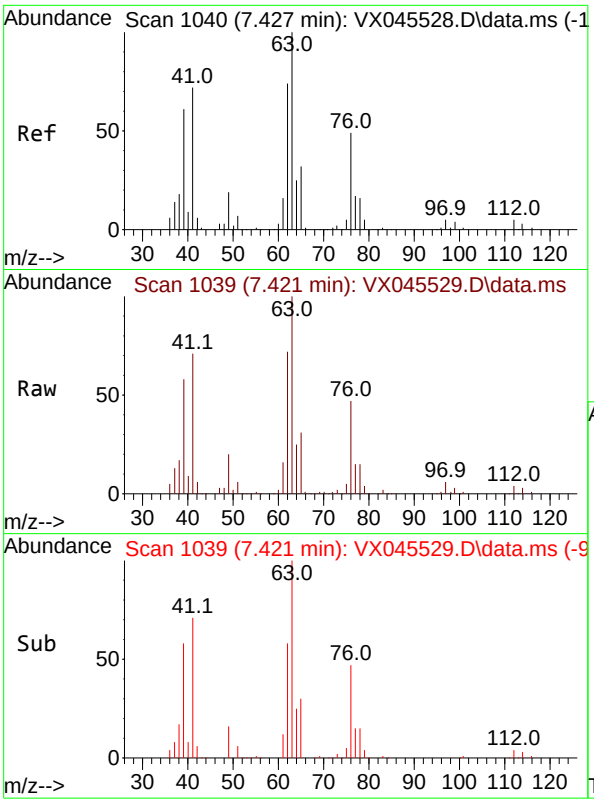


#44
Trichloroethene
Concen: 101.062 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:130 Resp: 107332

Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	202.0

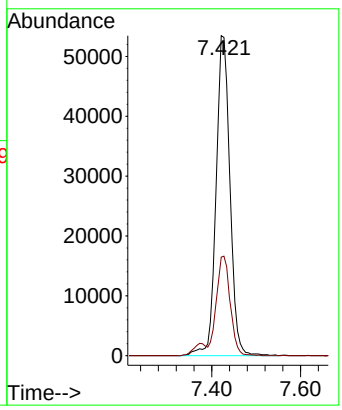




#45
1,2-Dichloropropane
Concen: 103.806 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 63 Resp: 11573

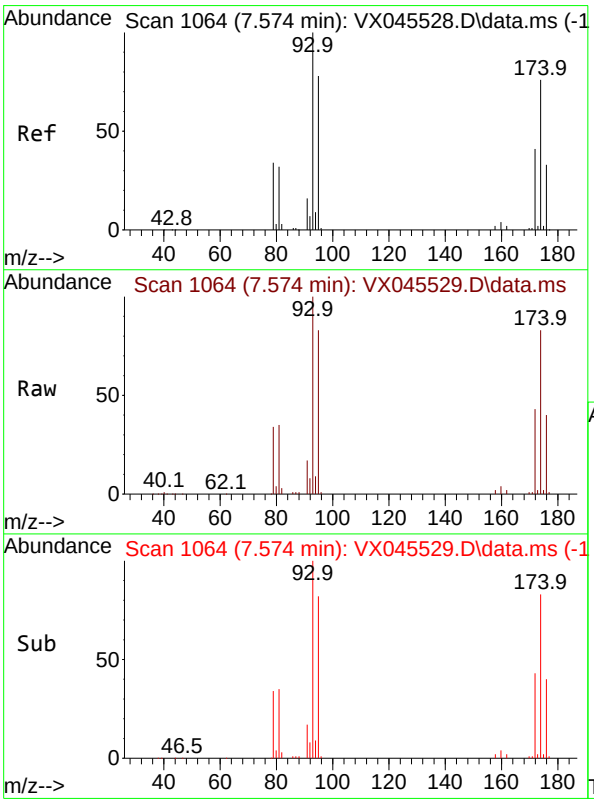
Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

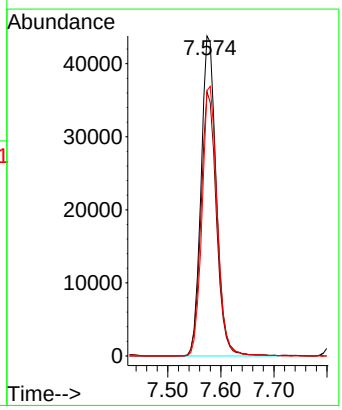
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

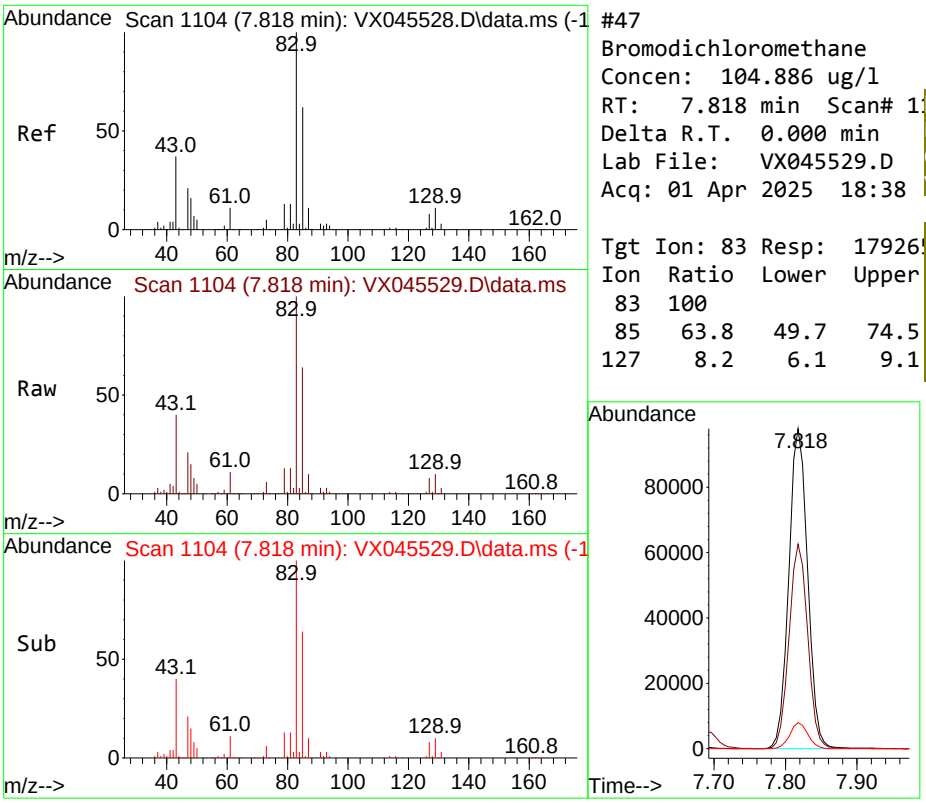


#46
Dibromomethane
Concen: 102.101 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

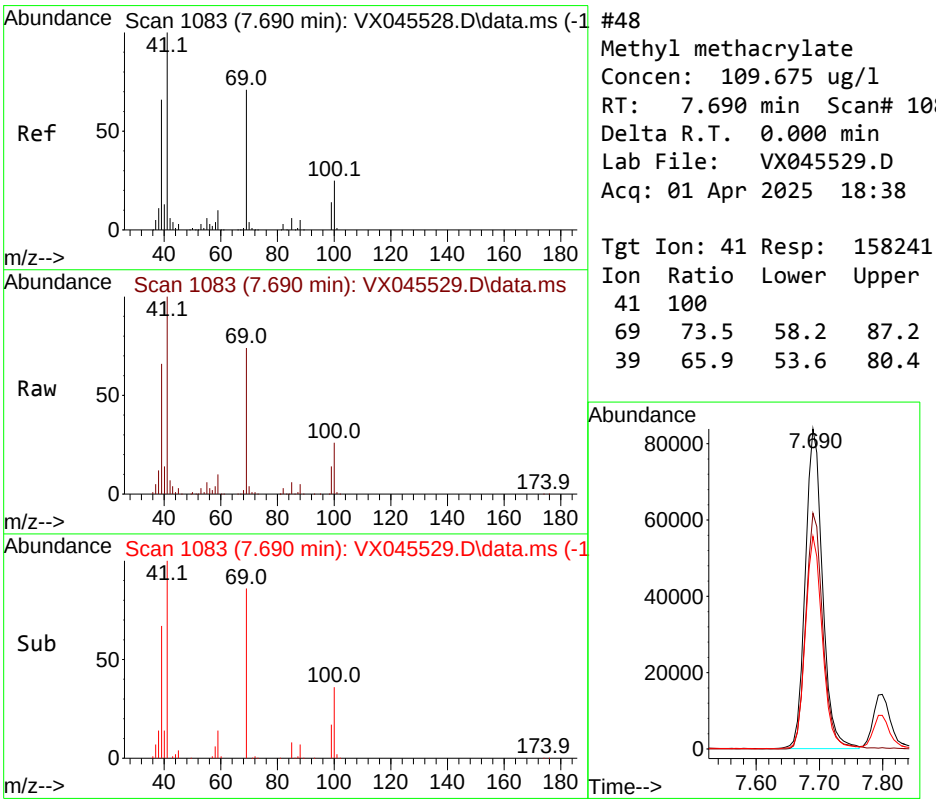
Tgt Ion: 83 Resp: 17926

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

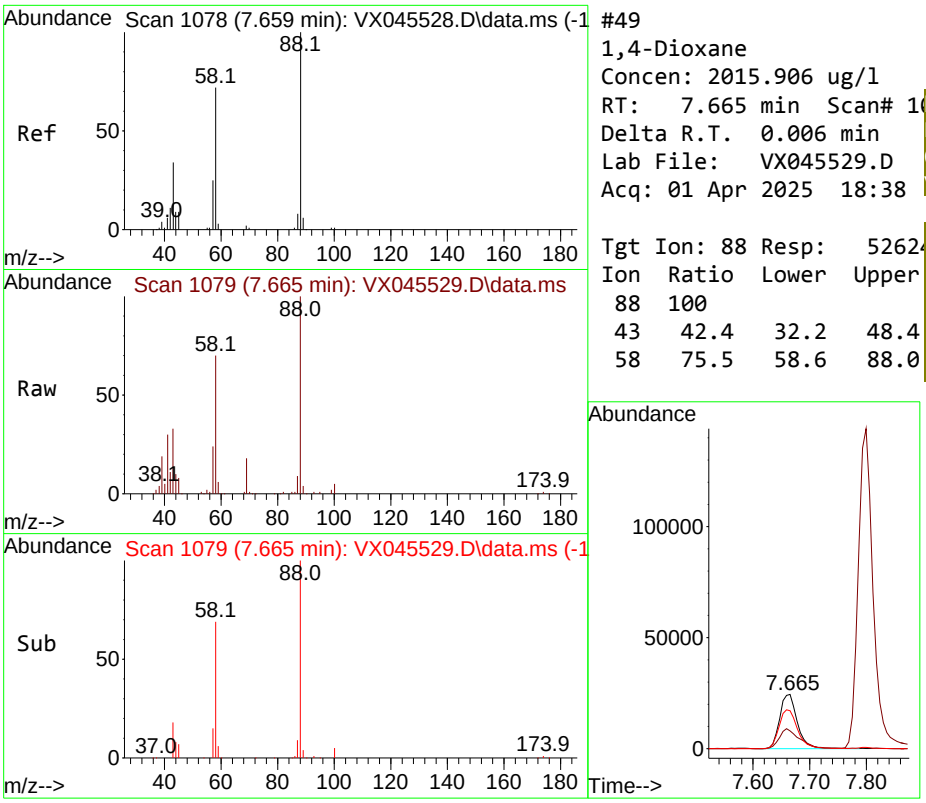
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#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

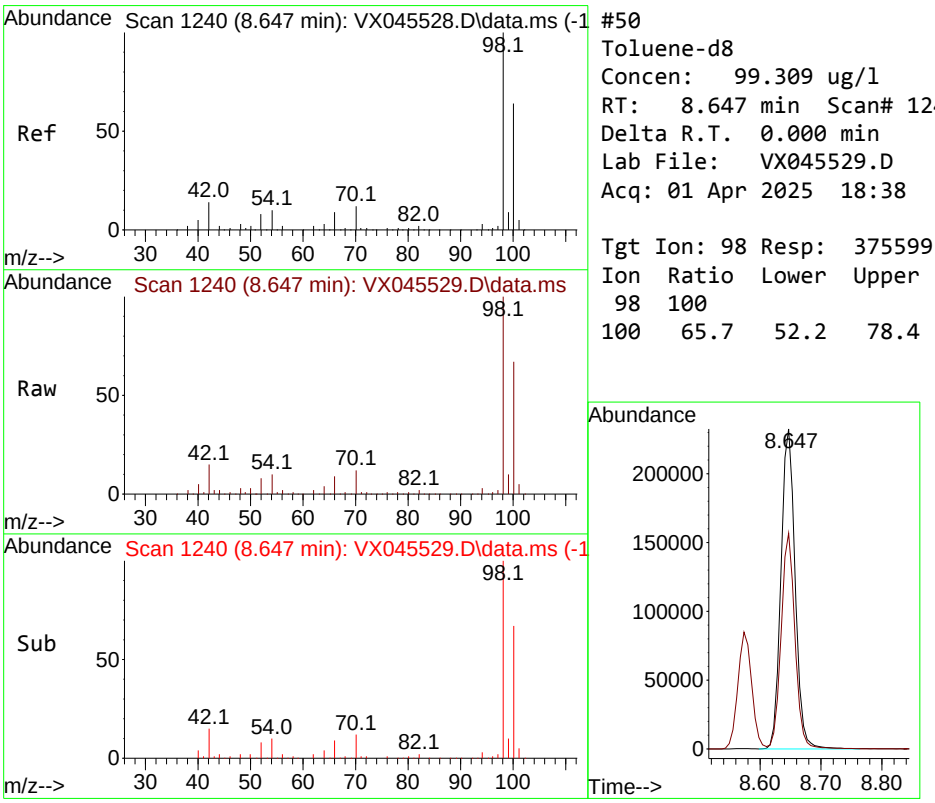
Tgt Ion: 88 Resp: 5262

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

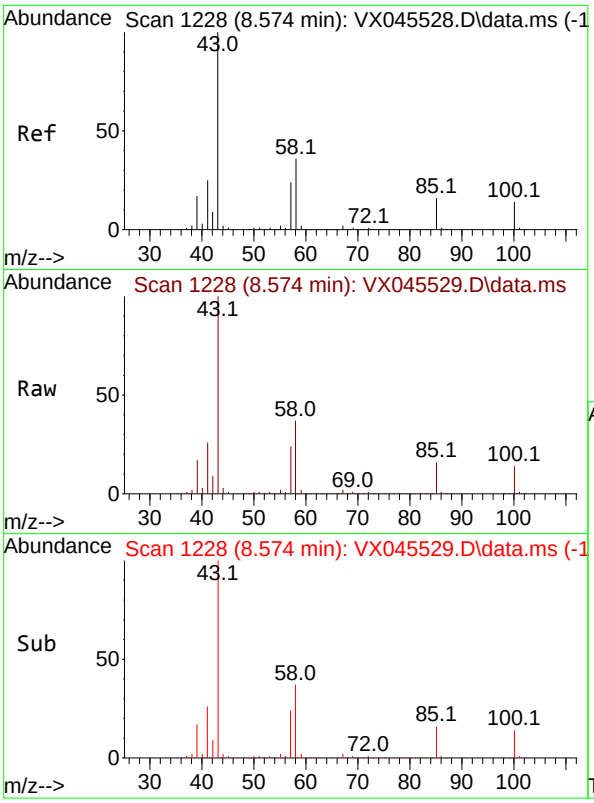
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#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

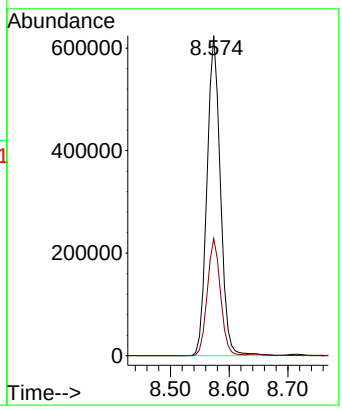
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.4



#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

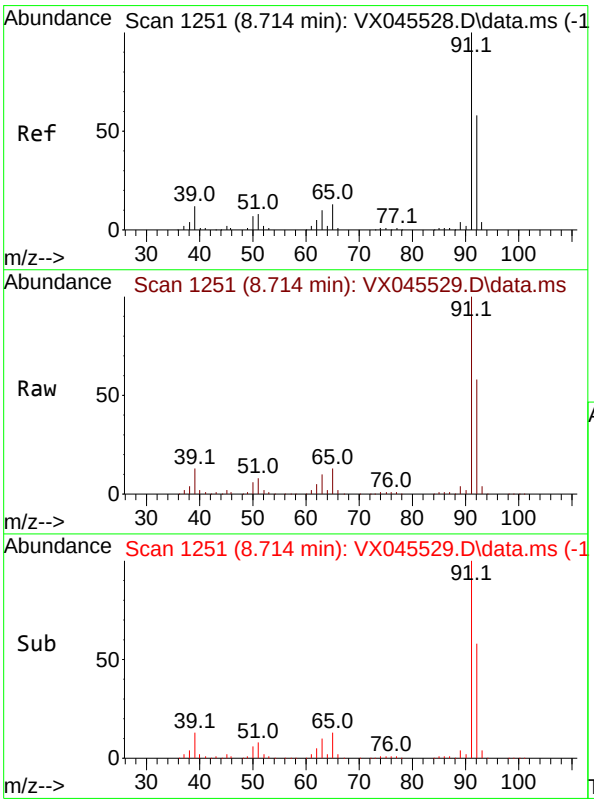
Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

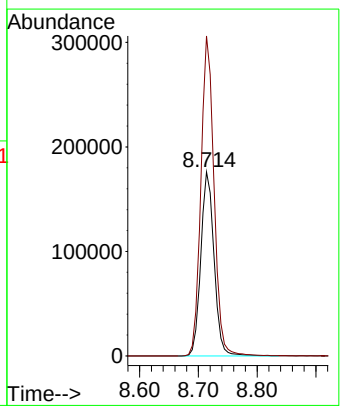
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

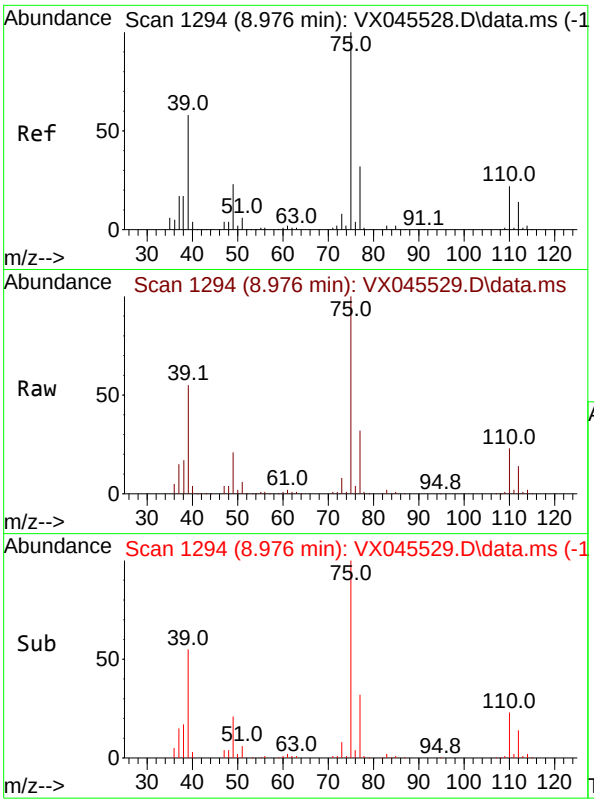


#52
Toluene
Concen: 102.199 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 92 Resp: 276323

Ion	Ratio	Lower	Upper
92	100		
91	172.5	138.7	208.1

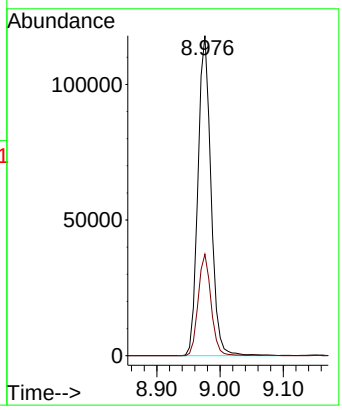




#53
t-1,3-Dichloropropene
Concen: 100.645 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 16941

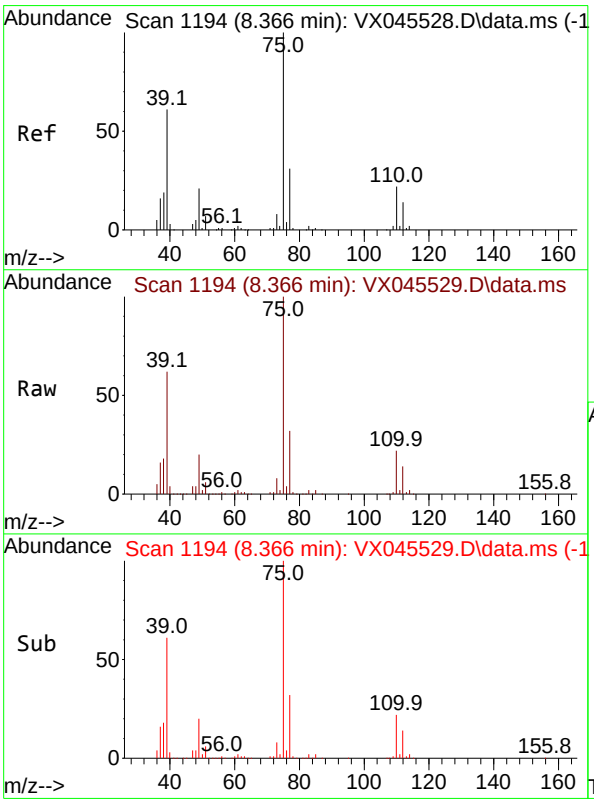
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

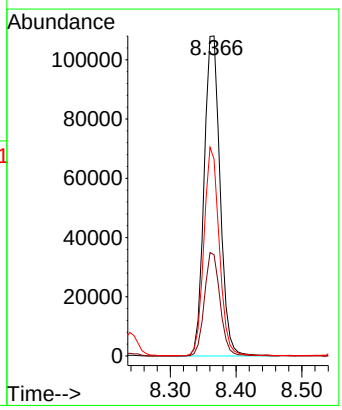
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

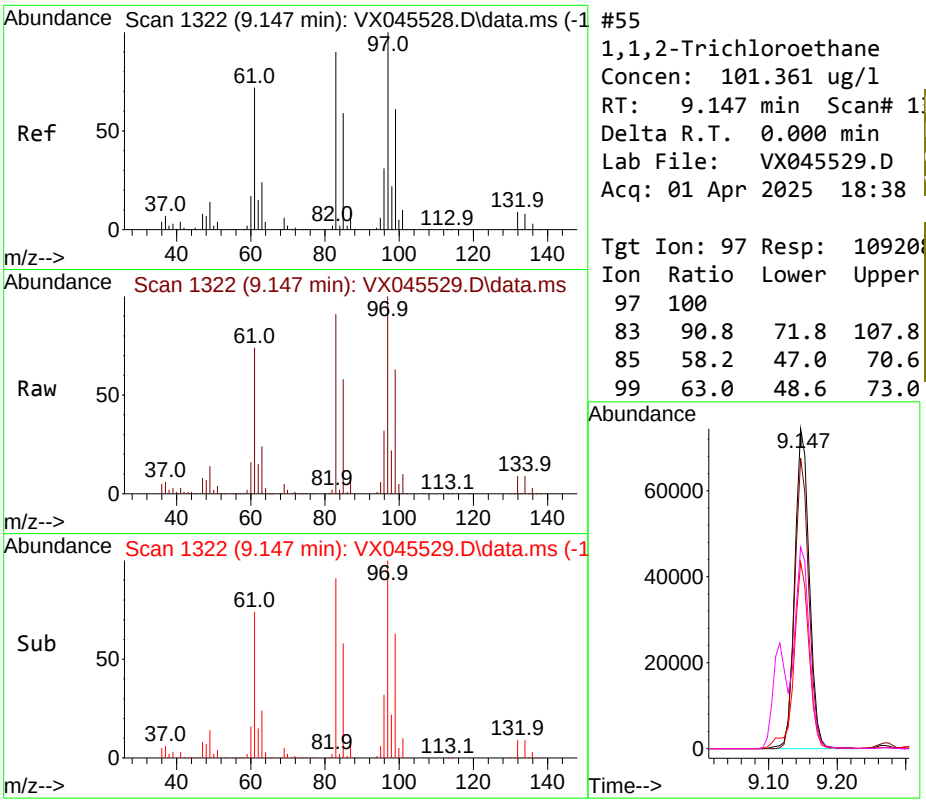


#54
cis-1,3-Dichloropropene
Concen: 113.521 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

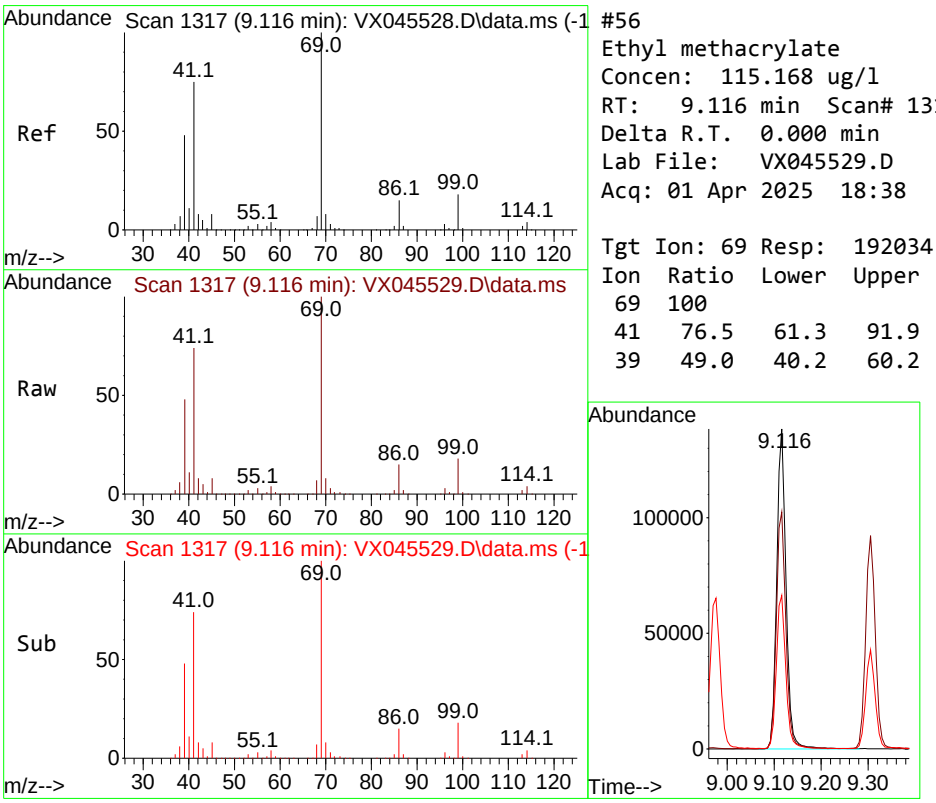
Tgt Ion: 97 Resp: 10920

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

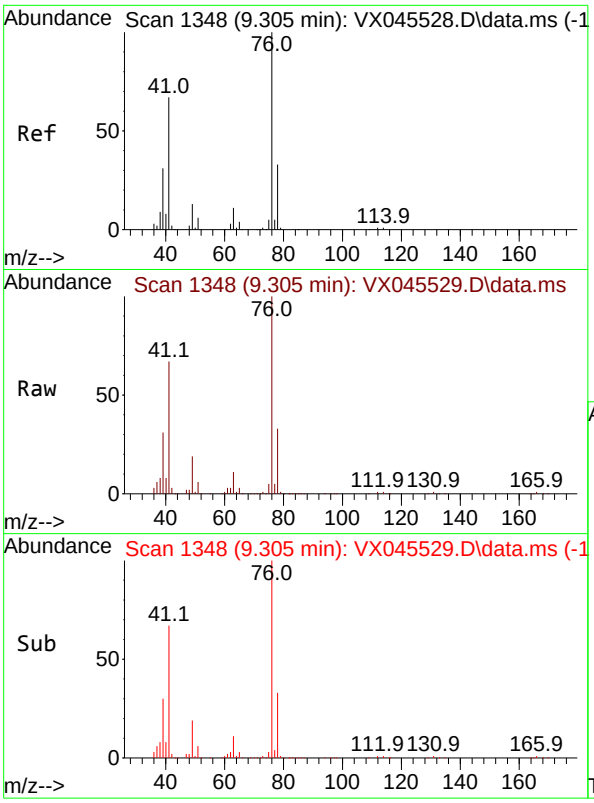
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#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

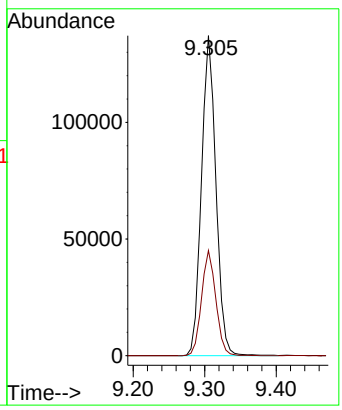
Ion	Ratio	Lower	Upper
69	100		
41	76.5	61.3	91.9
39	49.0	40.2	60.2



#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

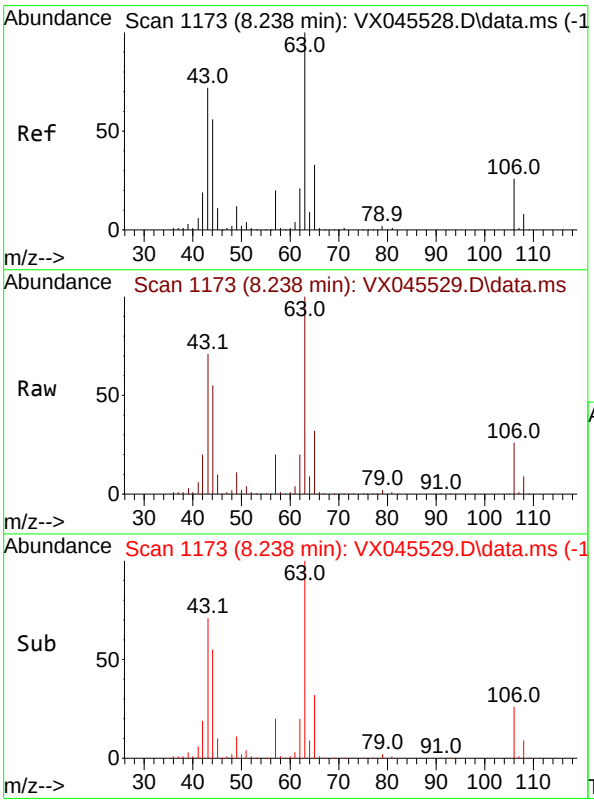
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

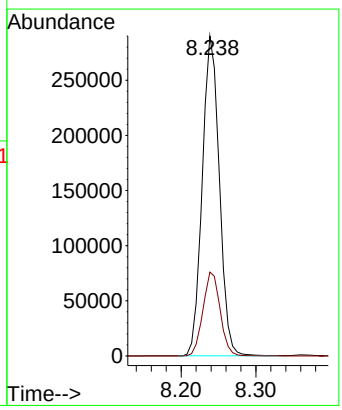
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

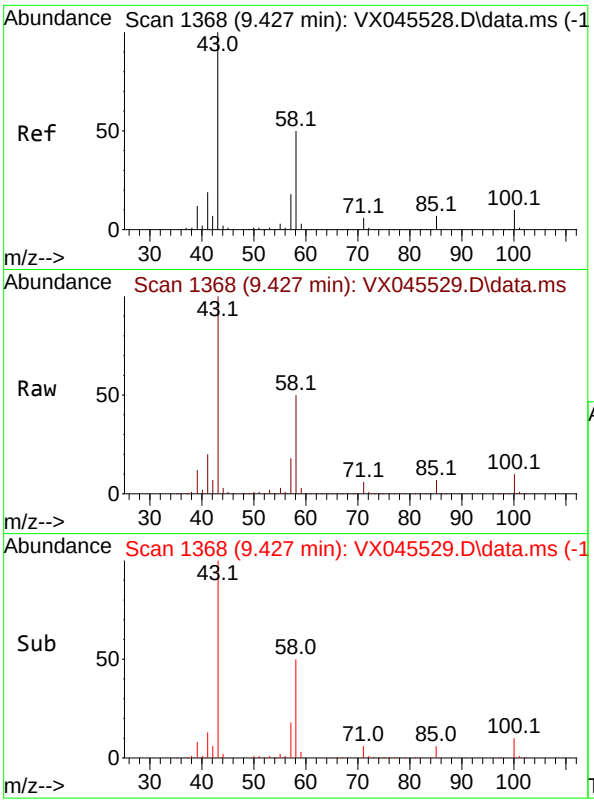


#58
2-Chloroethyl Vinyl ether
Concen: 545.696 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 63 Resp: 460297

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.0	31.6

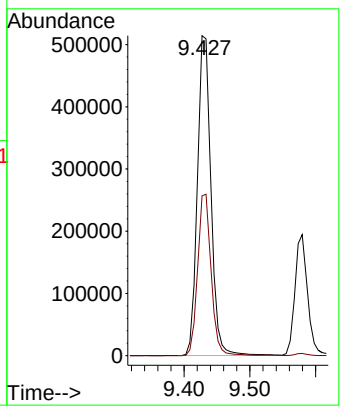




#59
2-Hexanone
Concen: 538.538 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 43 Resp: 73877

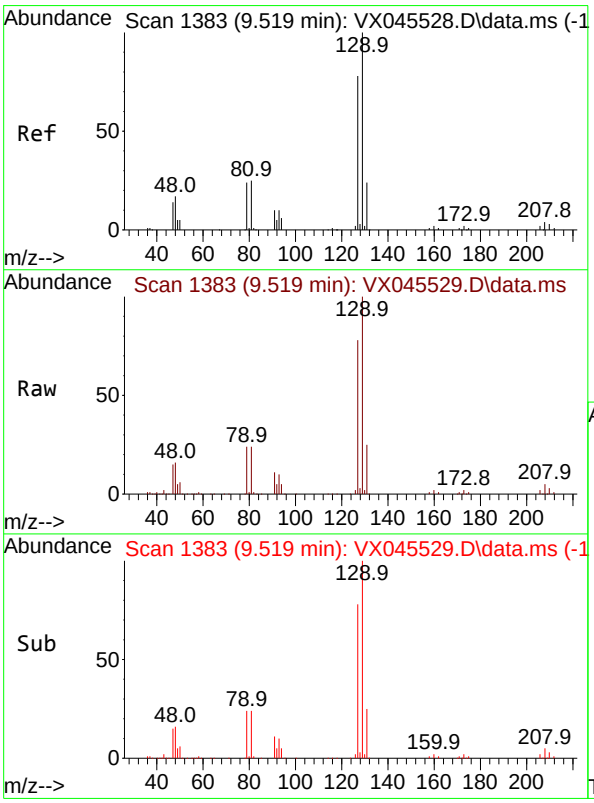
Ion	Ratio	Lower	Upper
43	100		
58	50.3	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

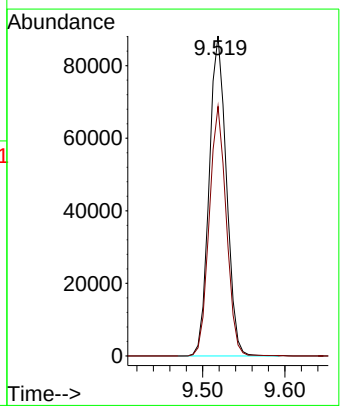
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

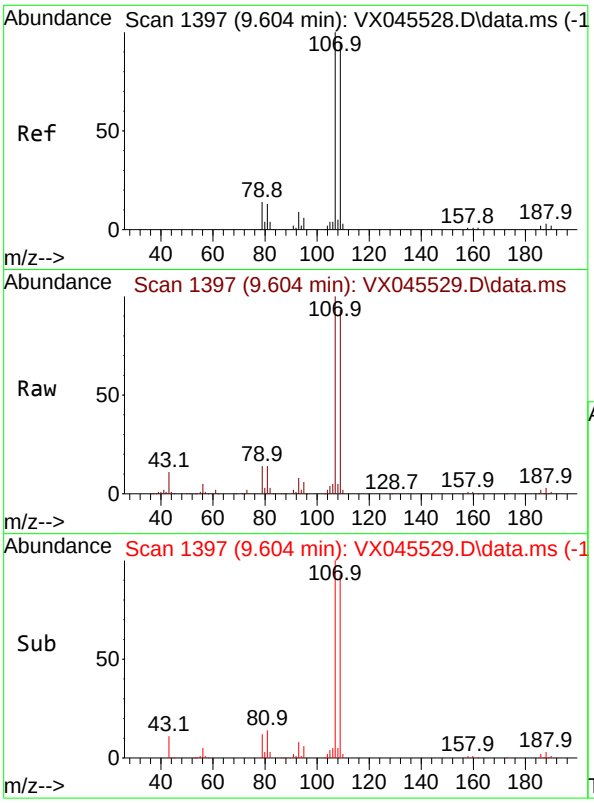


#60
Dibromochloromethane
Concen: 109.570 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:129 Resp: 128700

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.4	118.2

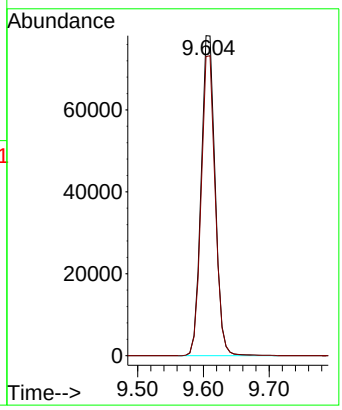




#61
1,2-Dibromoethane
Concen: 106.282 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:107 Resp: 11591

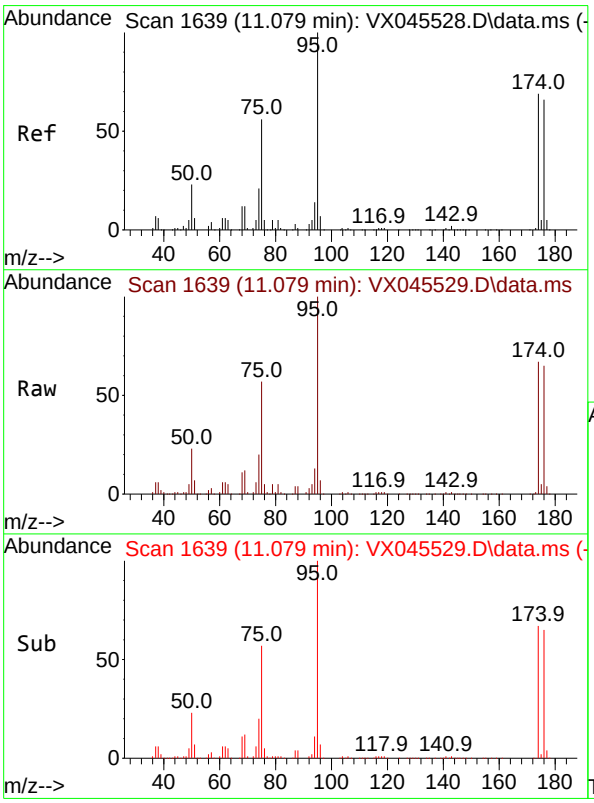
Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

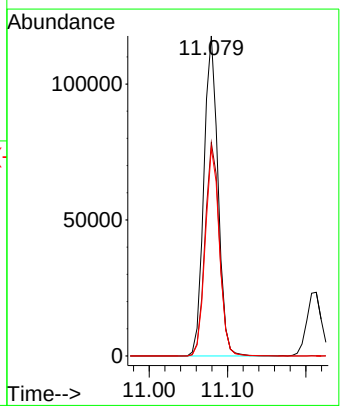
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

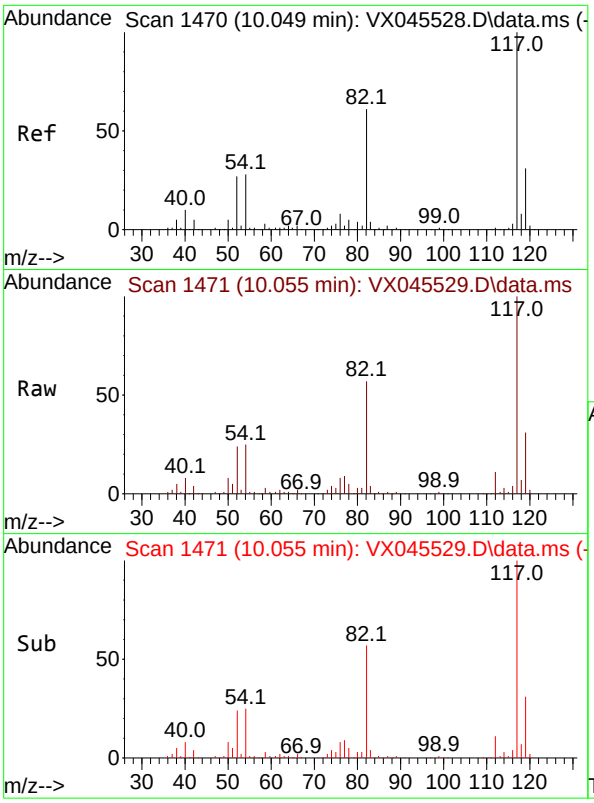


#62
4-Bromofluorobenzene
Concen: 106.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

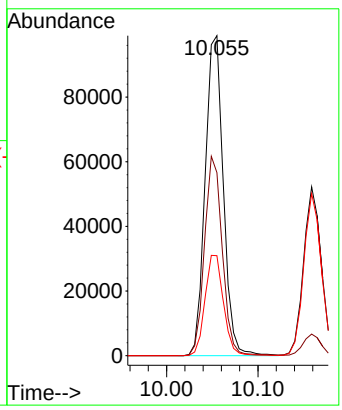




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:117 Resp: 13636

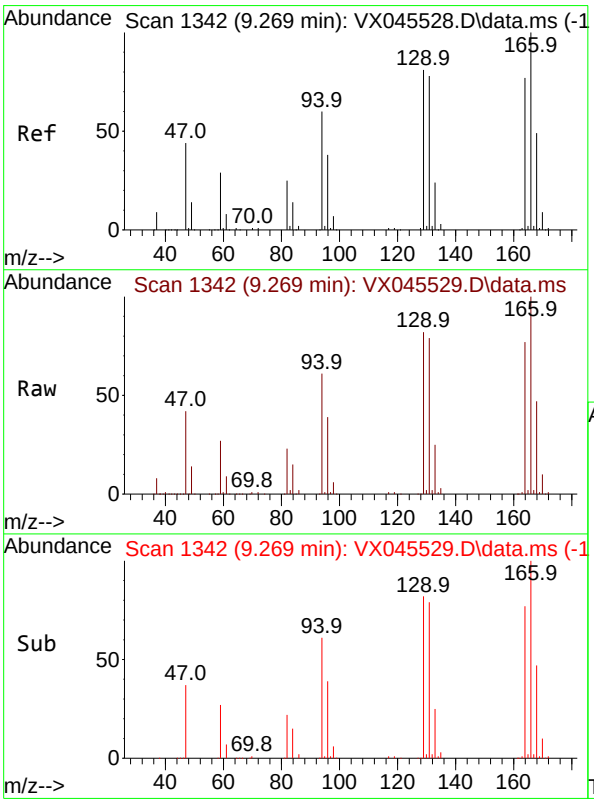
Ion	Ratio	Lower	Upper
117	100		
82	57.2	49.2	73.8
119	31.2	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

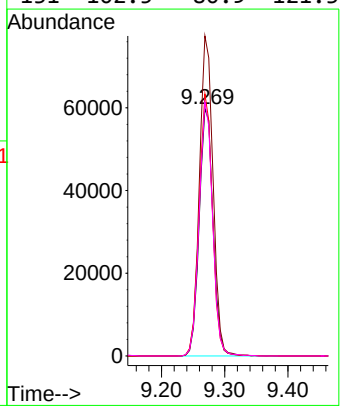
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

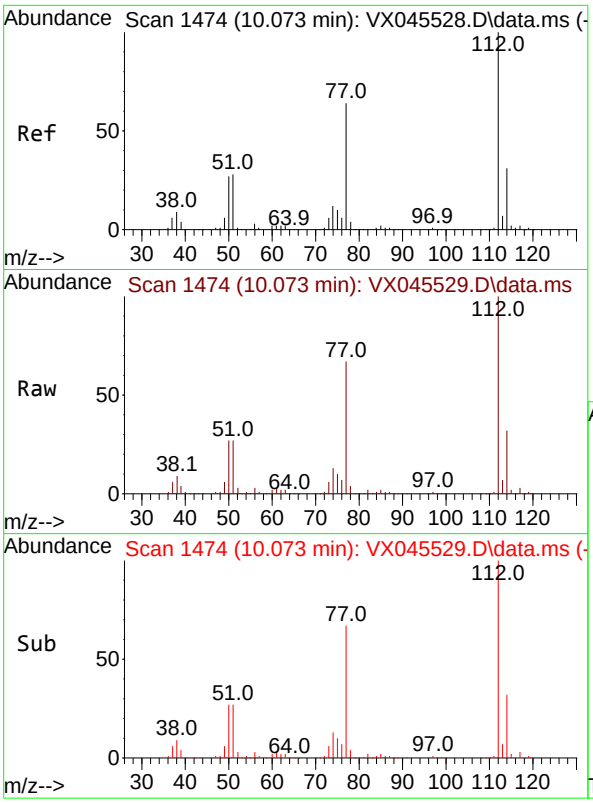


#64
Tetrachloroethene
Concen: 94.325 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

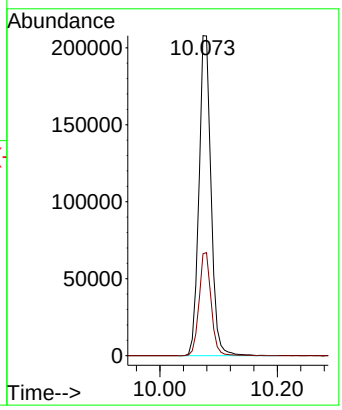




#65
Chlorobenzene
Concen: 101.682 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:112 Resp: 29630

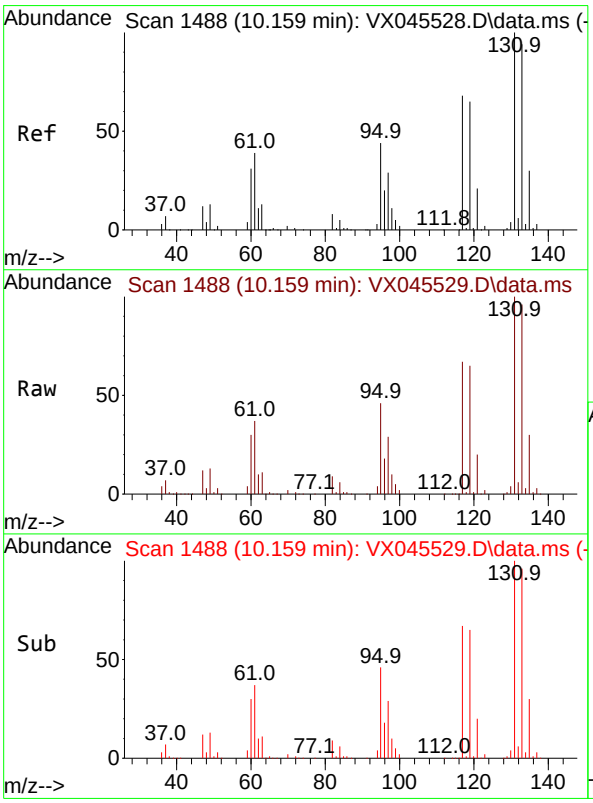
Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

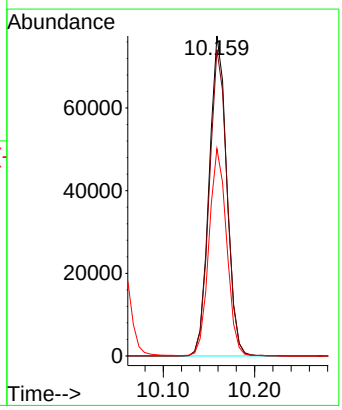
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

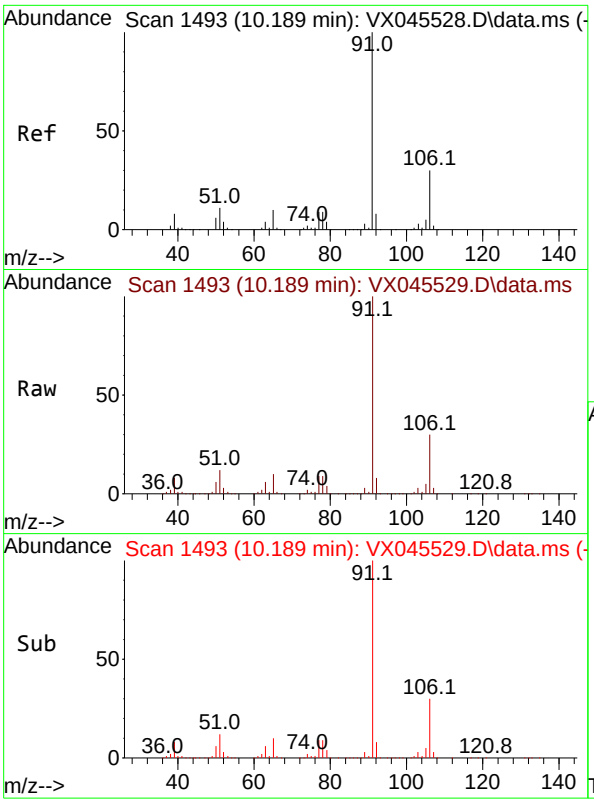


#66
1,1,1,2-Tetrachloroethane
Concen: 102.243 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

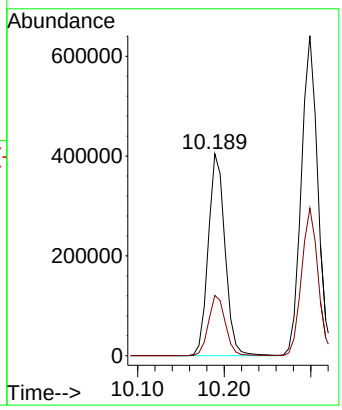




#67
Ethyl Benzene
Concen: 104.152 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 91 Resp: 54356

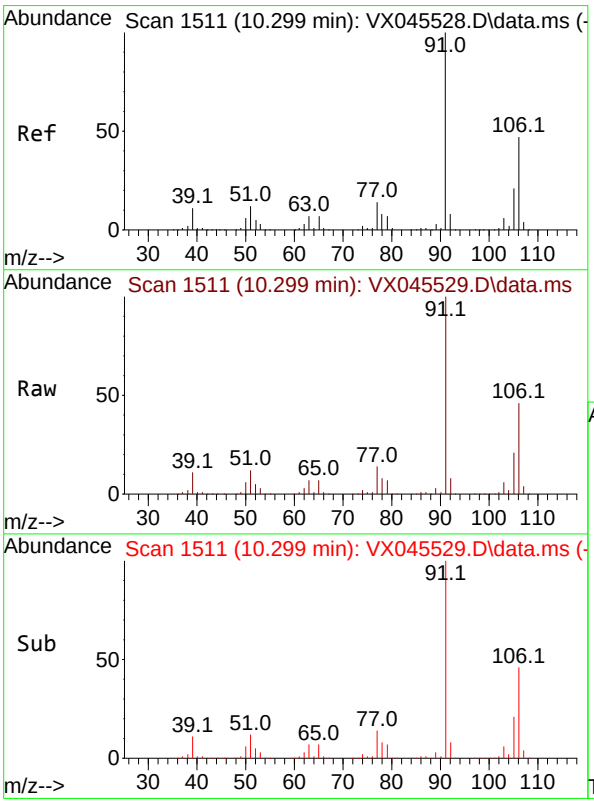
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

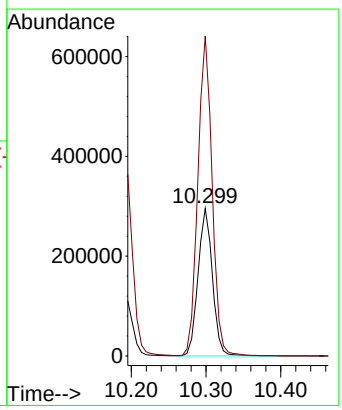
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

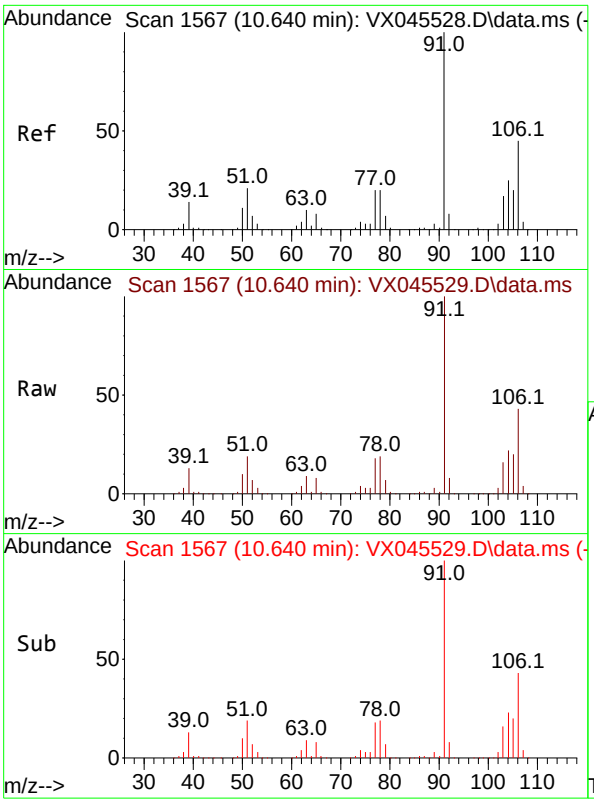


#68
m/p-Xylenes
Concen: 207.694 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:106 Resp: 394241

Ion	Ratio	Lower	Upper
106	100		
91	216.1	172.6	258.8

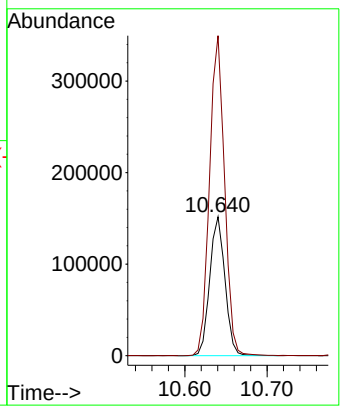




#69
o-Xylene
Concen: 104.487 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:106 Resp: 19538

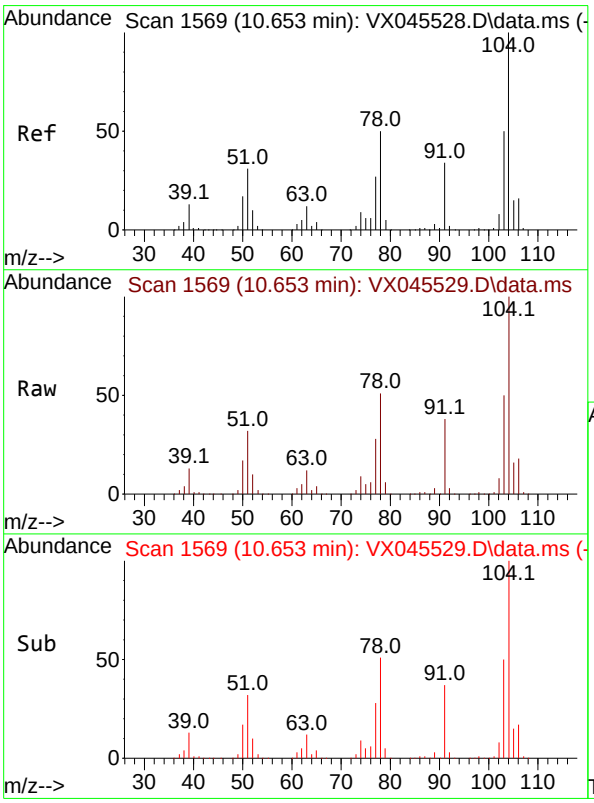
Ion	Ratio	Lower	Upper
106	100		
91	228.0	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

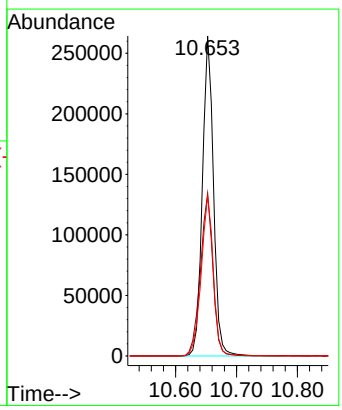
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

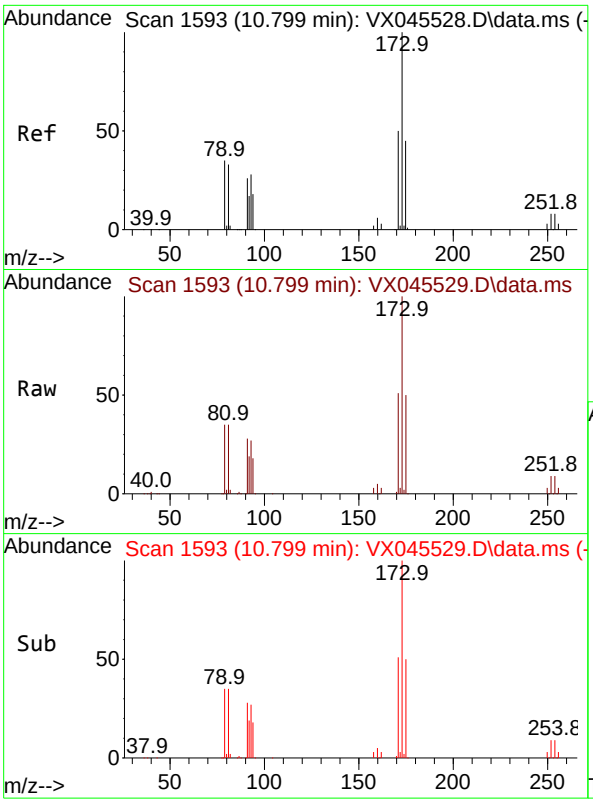


#70
Styrene
Concen: 108.654 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

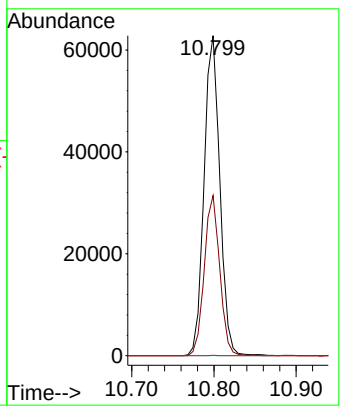




#71
Bromoform
Concen: 110.714 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:173 Resp: 8363

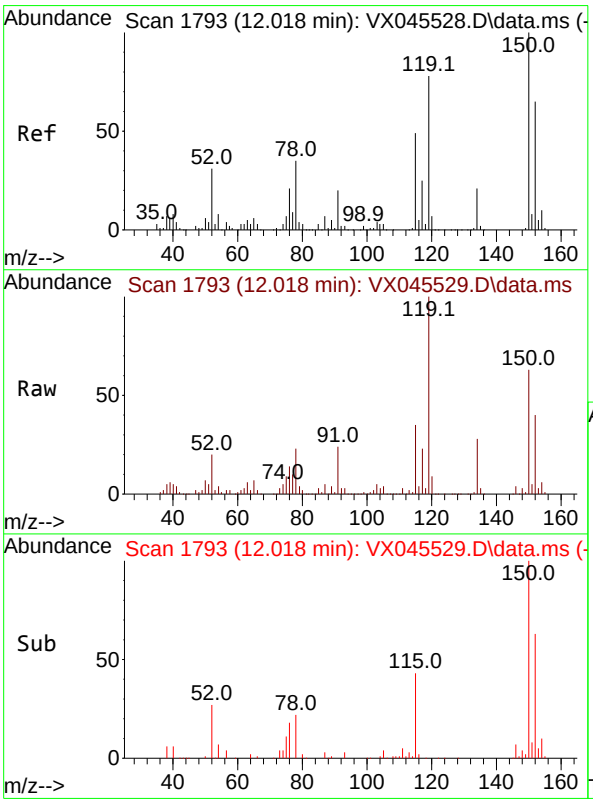
Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

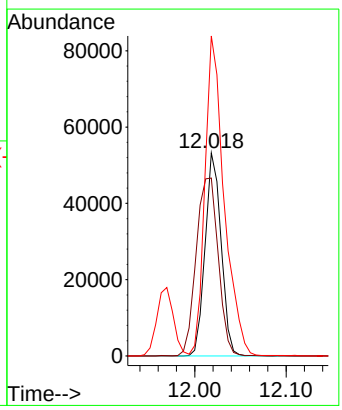
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

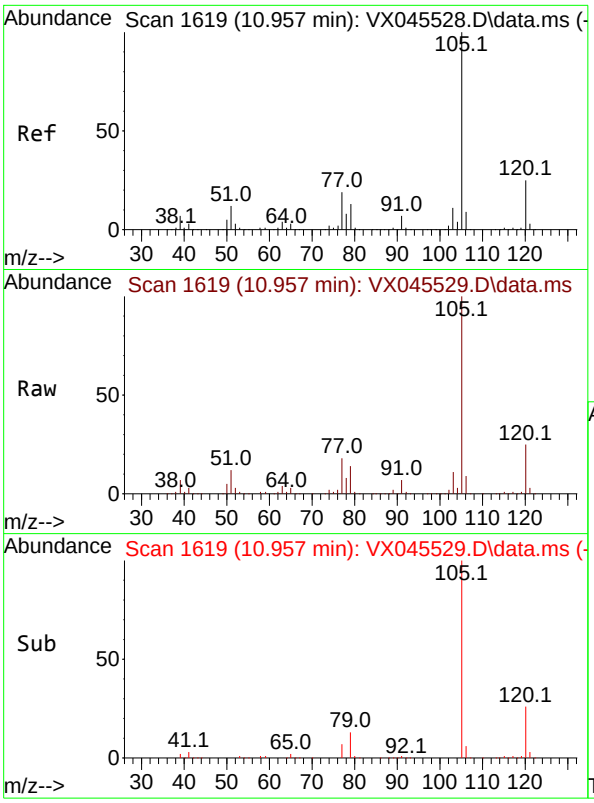


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

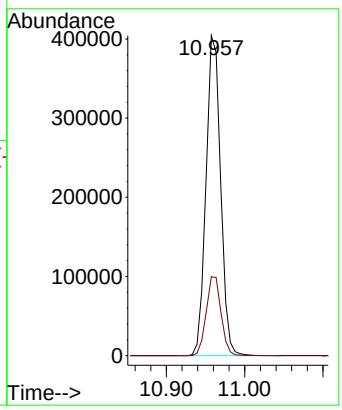




#73
Isopropylbenzene
Concen: 100.944 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:105 Resp: 52243

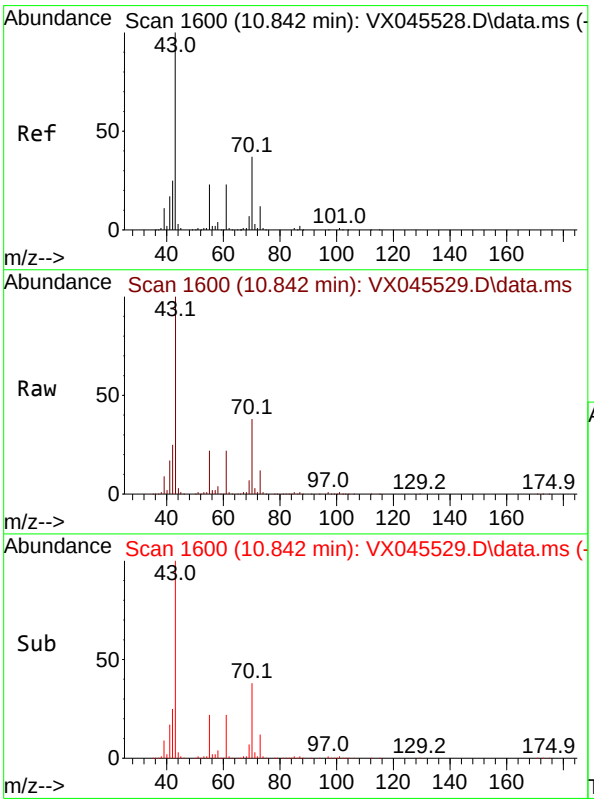
Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

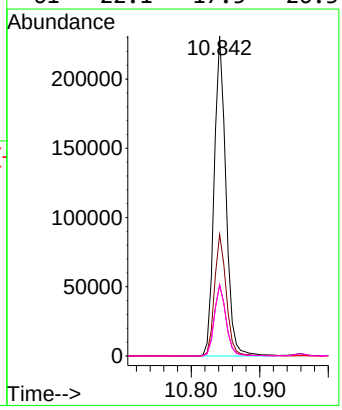
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

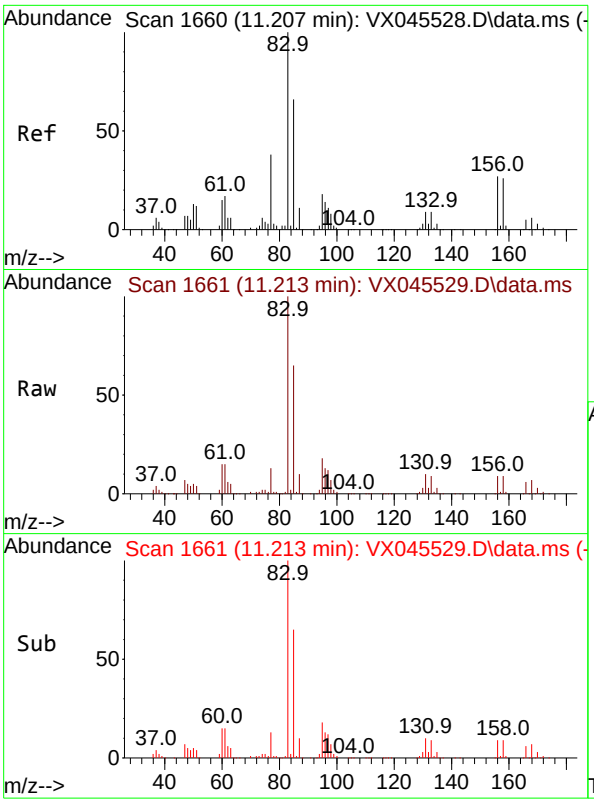


#74
N-amyl acetate
Concen: 111.267 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

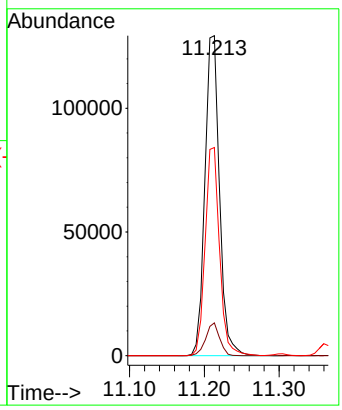




#75
1,1,2,2-Tetrachloroethane
Concen: 96.243 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 83 Resp: 17497

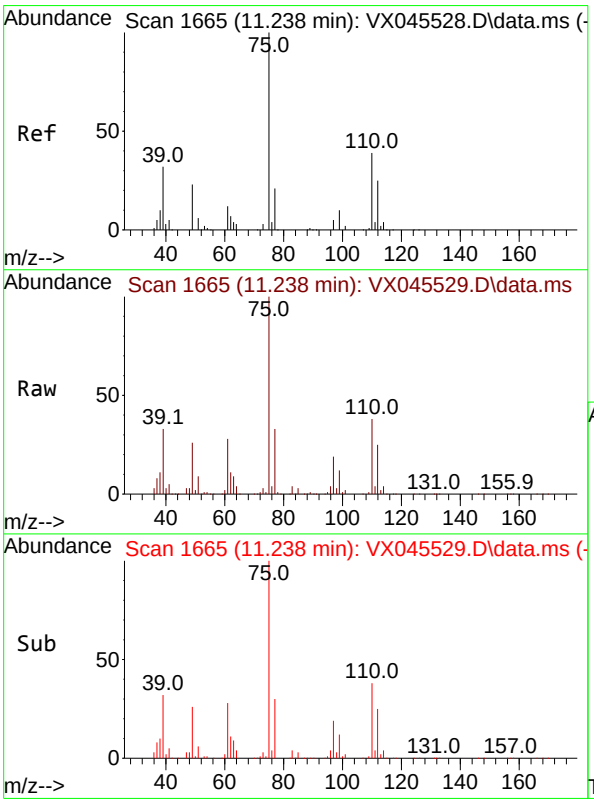
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.1
85	64.3	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

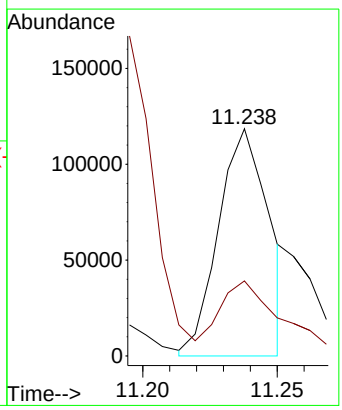
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

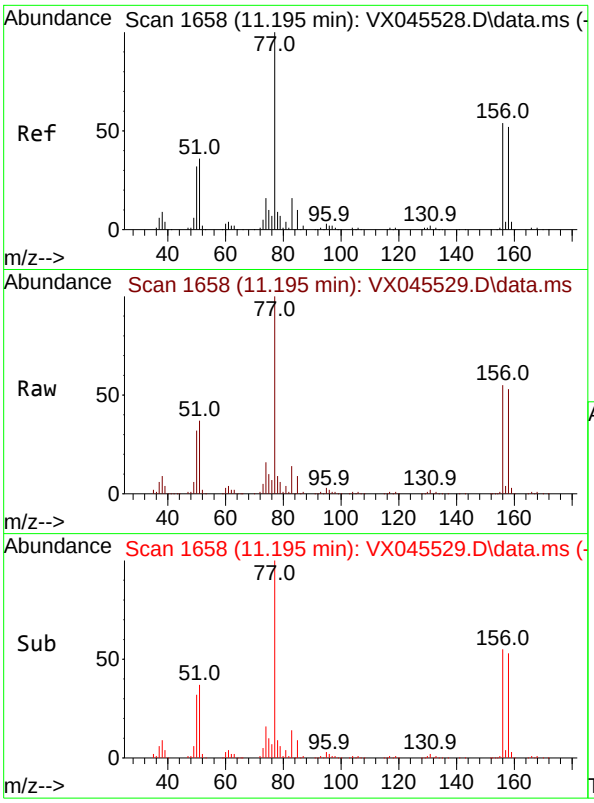


#76
1,2,3-Trichloropropane
Concen: 97.744 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 75 Resp: 154048

Ion	Ratio	Lower	Upper
75	100		
77	41.8	20.0	59.9

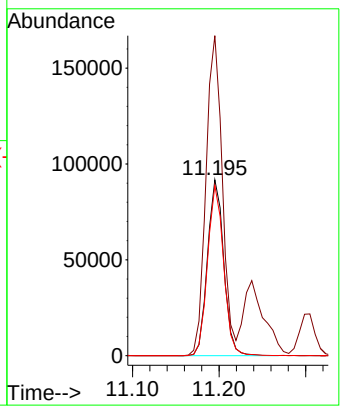




#77
Bromobenzene
Concen: 99.983 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:156 Resp: 11956

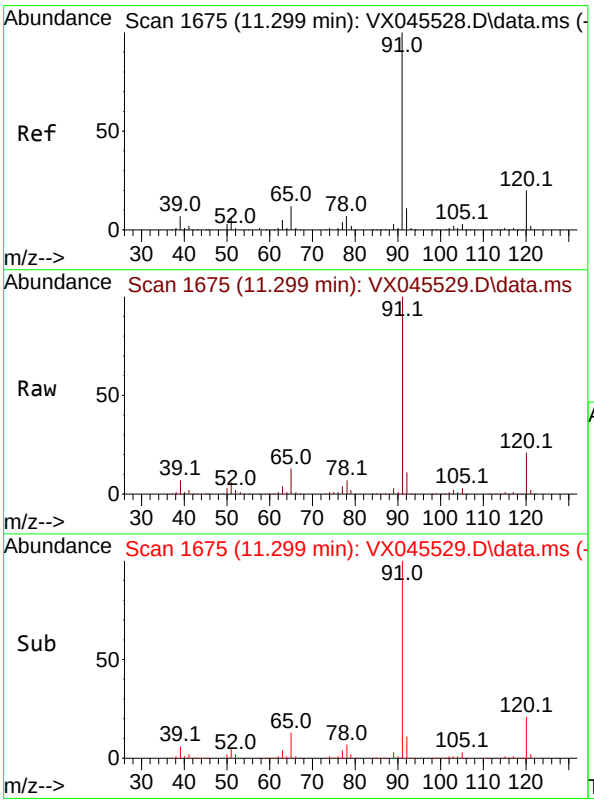
Ion	Ratio	Lower	Upper
156	100		
77	183.4	92.6	277.8
158	95.9	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

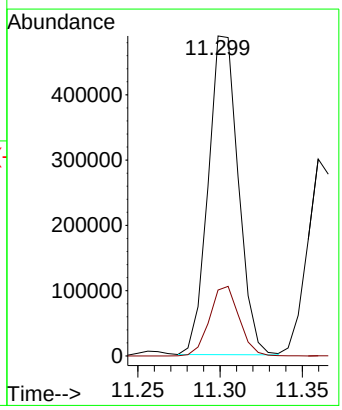
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

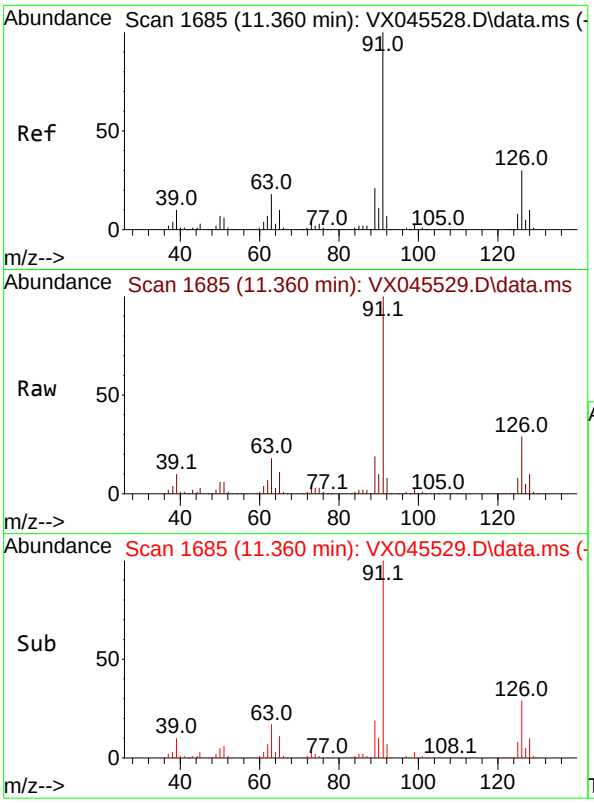


#78
n-propylbenzene
Concen: 104.454 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

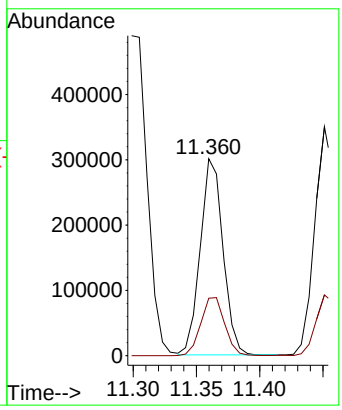
Tgt Ion: 91 Resp: 37668

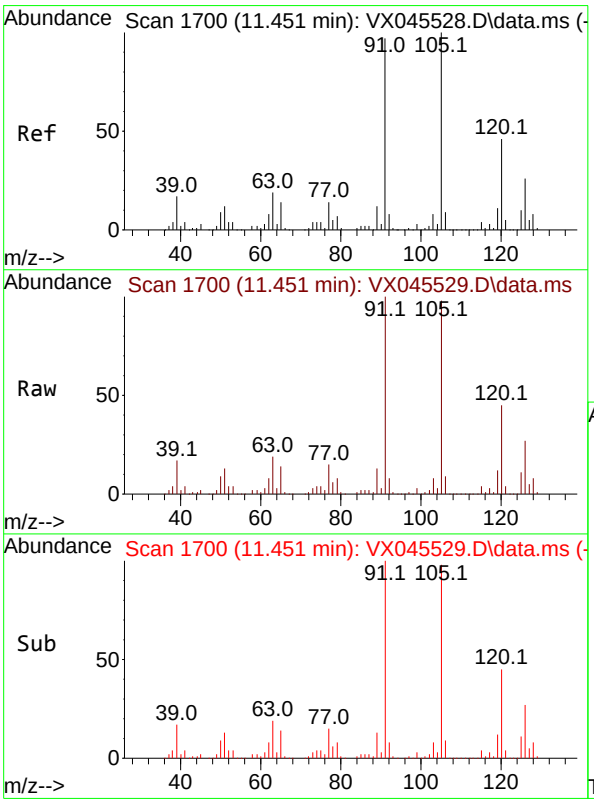
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

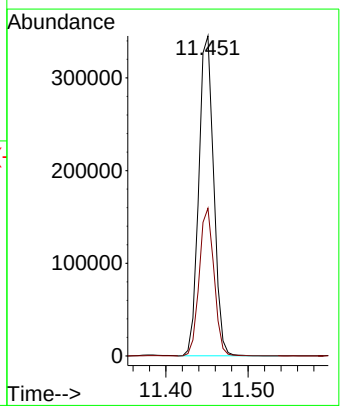


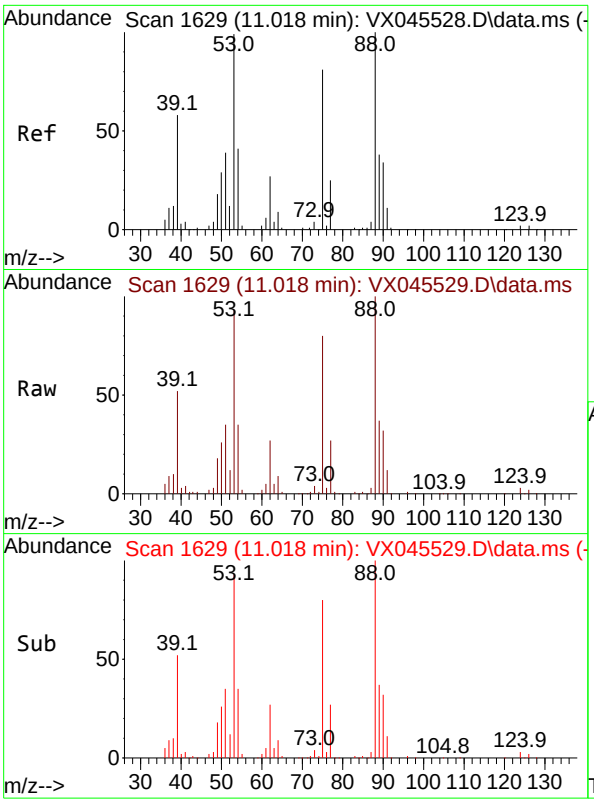


#80
1,3,5-Trimethylbenzene
Concen: 101.675 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

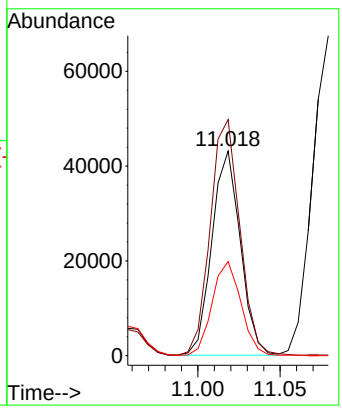
Tgt Ion: 75 Resp: 5187

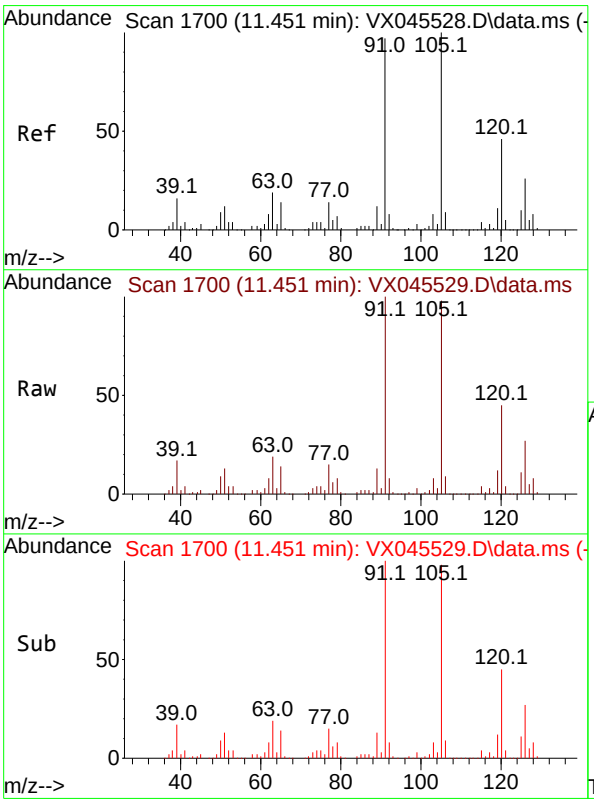
Ion	Ratio	Lower	Upper
75	100		
53	119.5	101.8	152.6
89	46.9	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

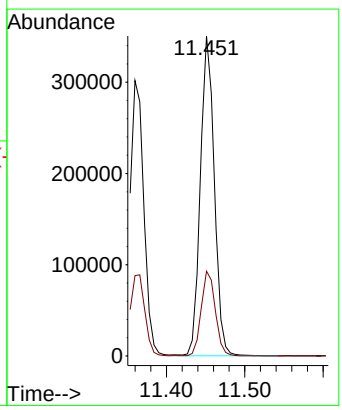


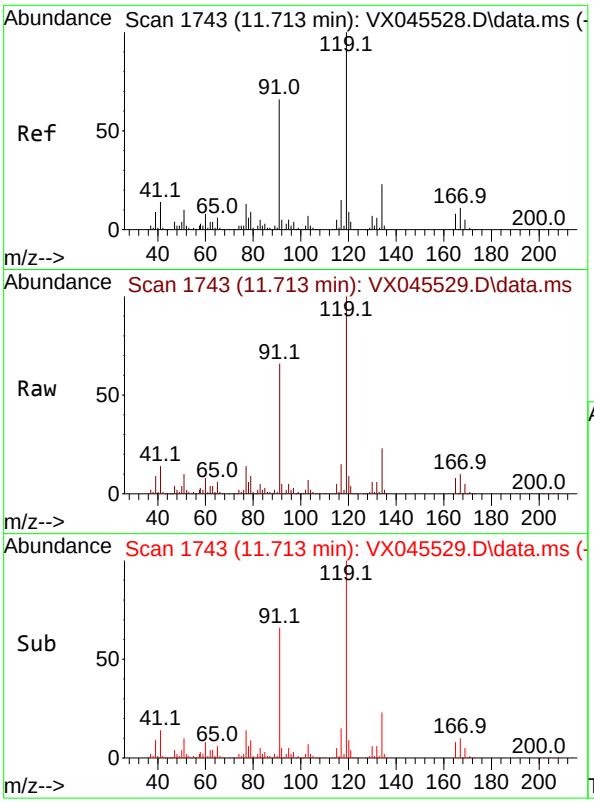


#82
4-Chlorotoluene
Concen: 101.877 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 91 Resp: 432884

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.9

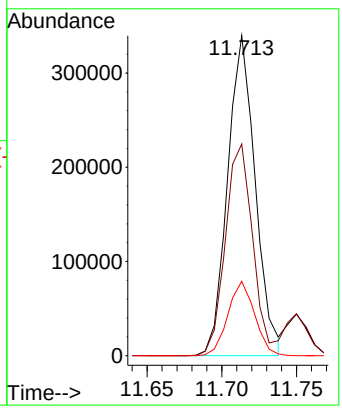




#83
tert-Butylbenzene
Concen: 103.292 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:119 Resp: 43764

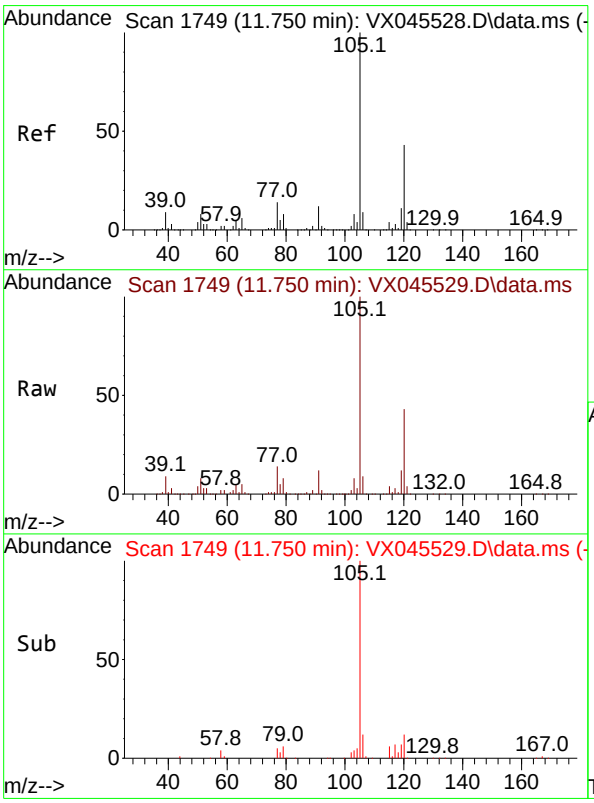
Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.4	97.2
134	22.4	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

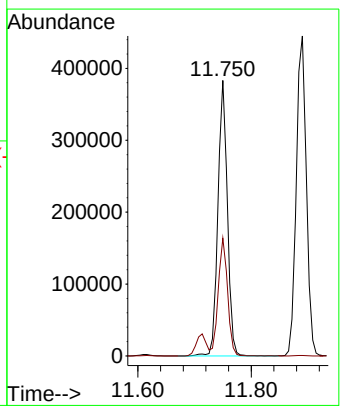
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

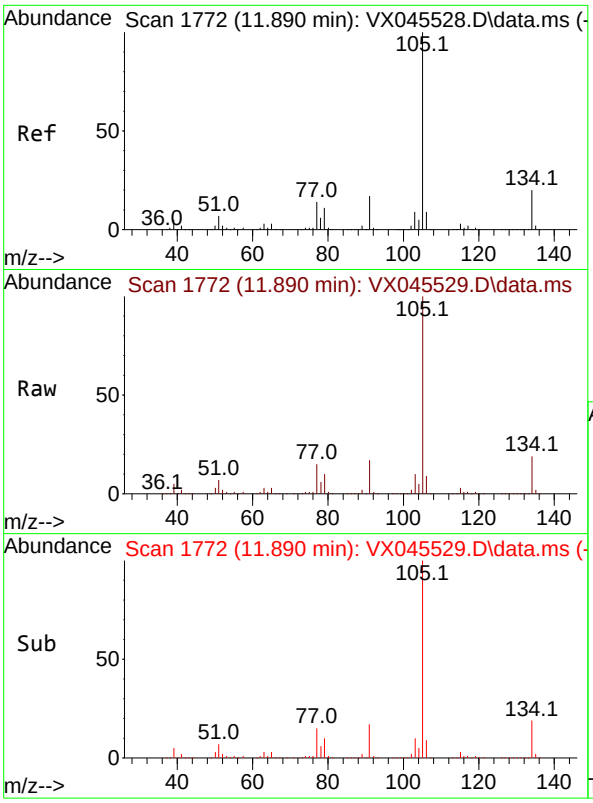


#84
1,2,4-Trimethylbenzene
Concen: 103.414 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:105 Resp: 444211

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.4	64.3

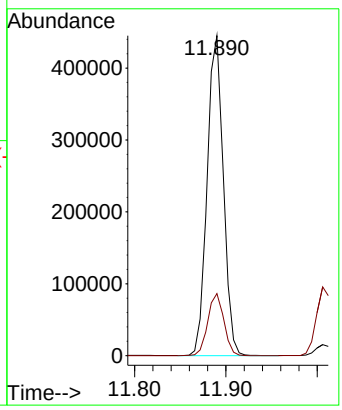




#85
sec-Butylbenzene
Concen: 105.082 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:105 Resp: 54685

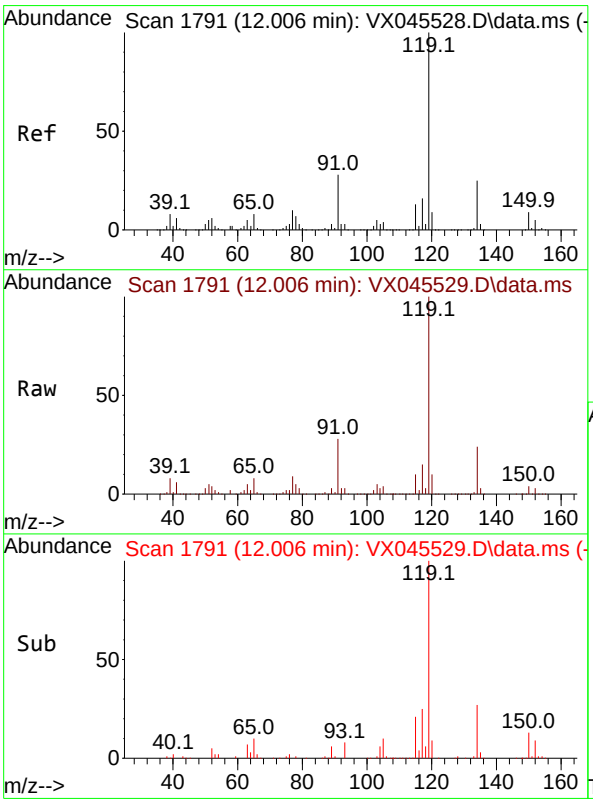
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

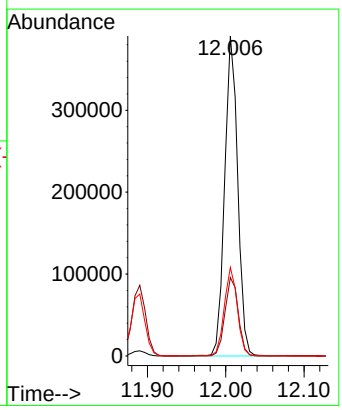
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

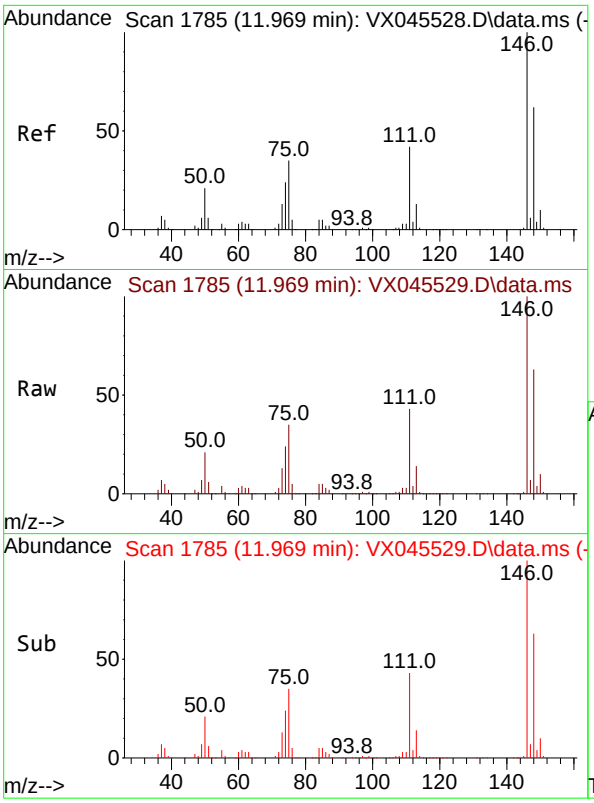


#86
p-Isopropyltoluene
Concen: 105.609 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

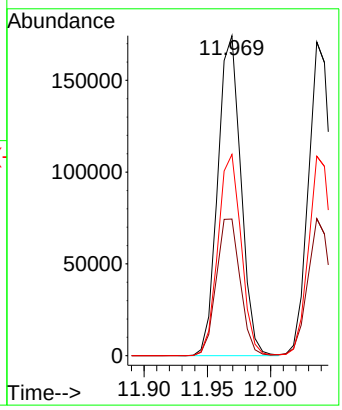




#87
1,3-Dichlorobenzene
Concen: 101.749 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:146 Resp: 22148

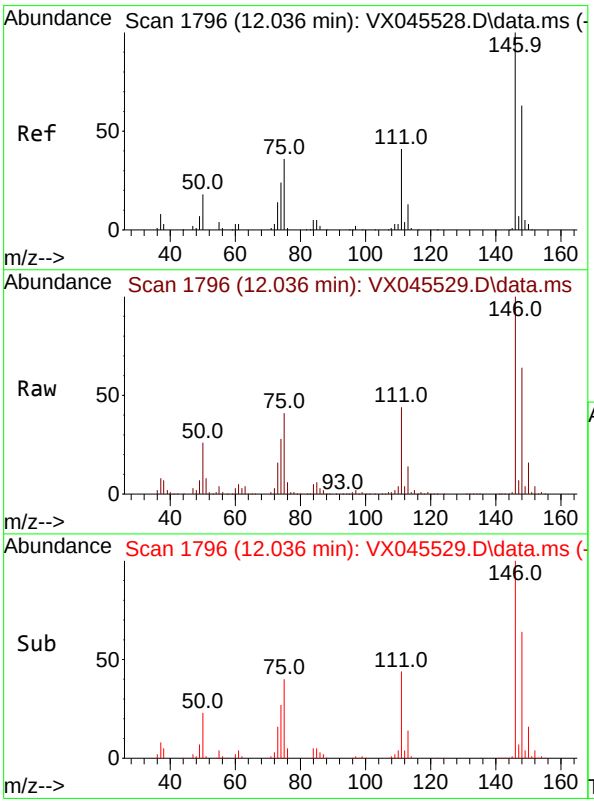
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	63.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

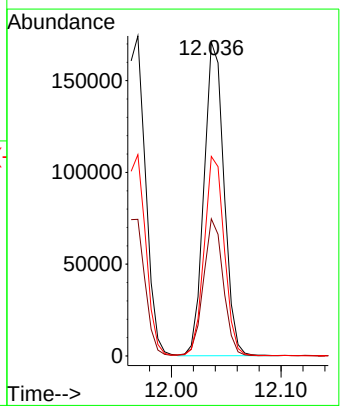
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

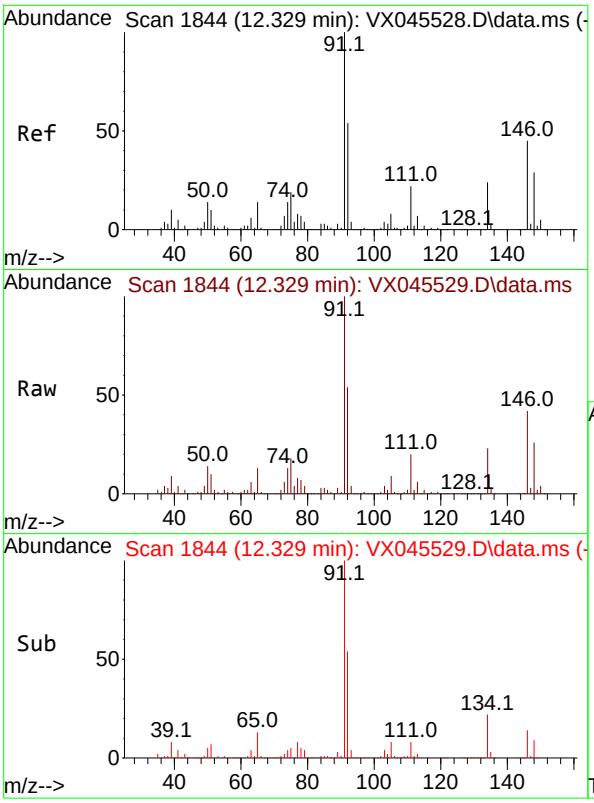


#88
1,4-Dichlorobenzene
Concen: 98.047 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

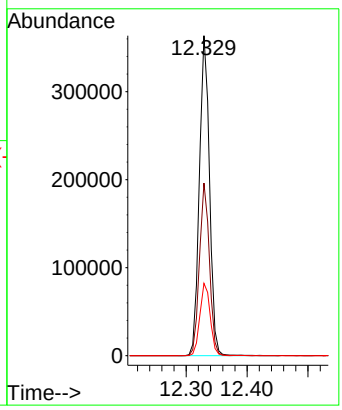




#89
n-Butylbenzene
Concen: 113.075 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion: 91 Resp: 42069

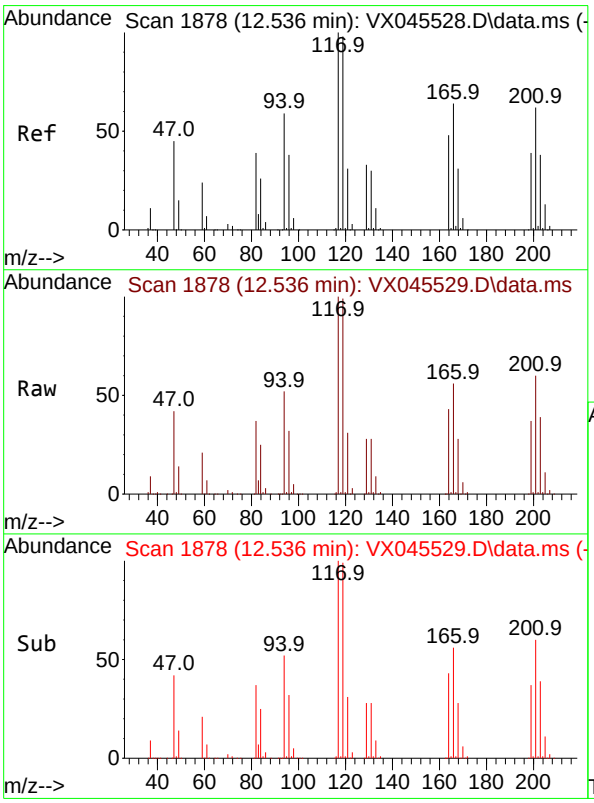
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.9	80.6
134	23.1	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

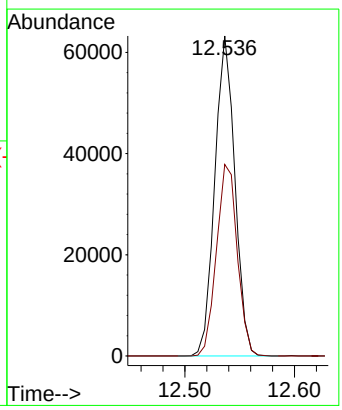
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

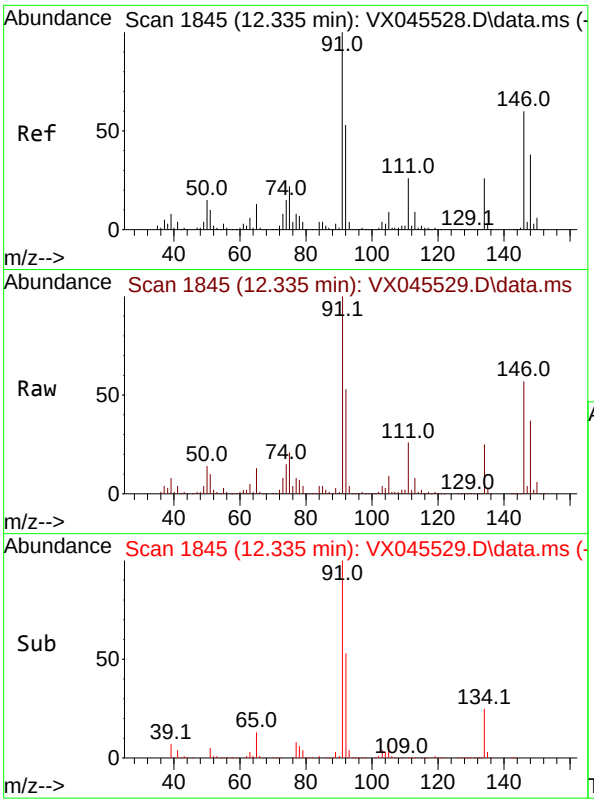


#90
Hexachloroethane
Concen: 109.160 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:117 Resp: 80489

Ion	Ratio	Lower	Upper
117	100		
201	62.1	31.2	93.6

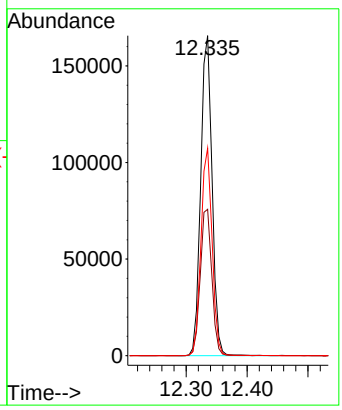




#91
1,2-Dichlorobenzene
Concen: 99.419 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:146 Resp: 21515

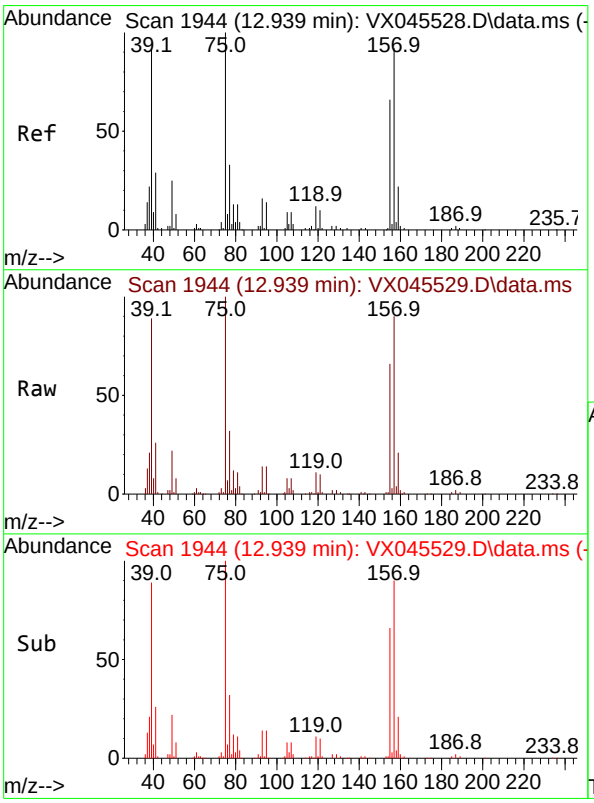
Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.9	68.8
148	63.7	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

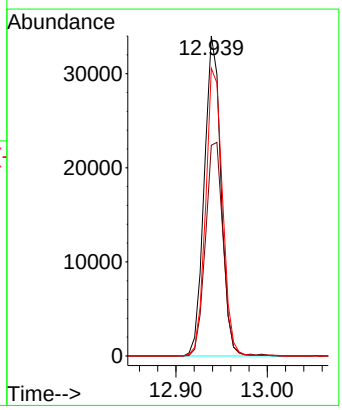
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

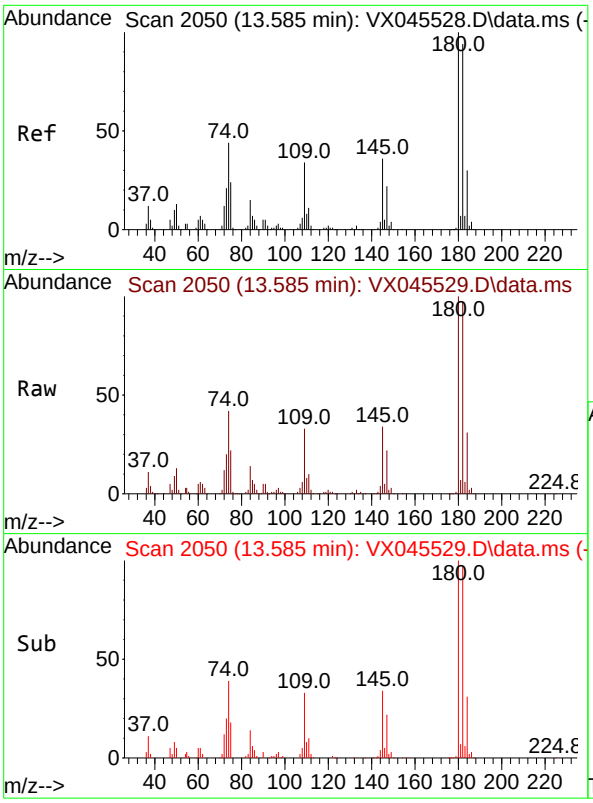


#92
1,2-Dibromo-3-Chloropropane
Concen: 113.214 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

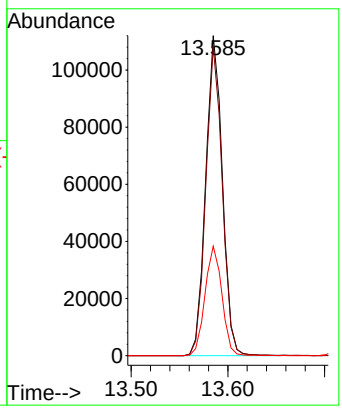




#93
1,2,4-Trichlorobenzene
Concen: 112.106 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:180 Resp: 13504

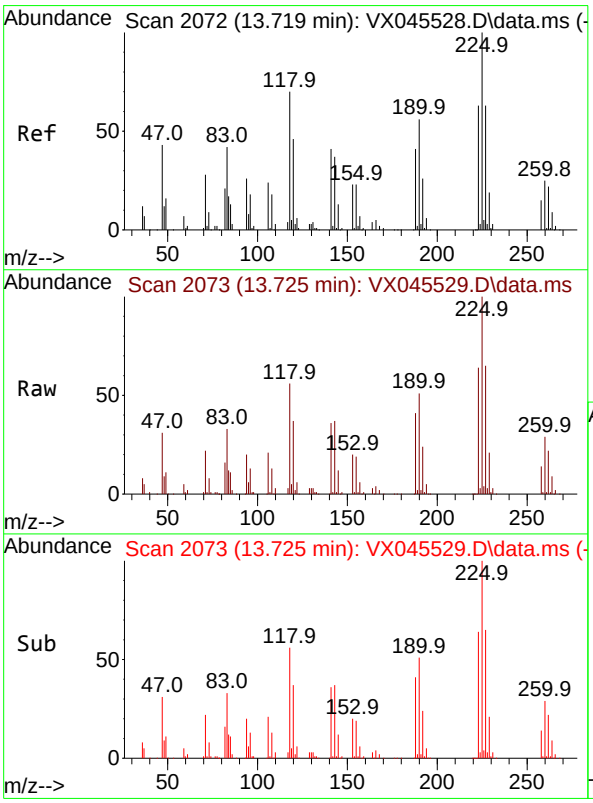
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.6
145	34.6	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

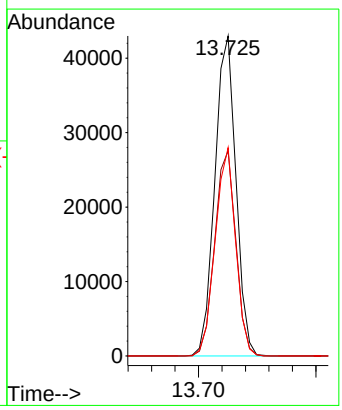
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

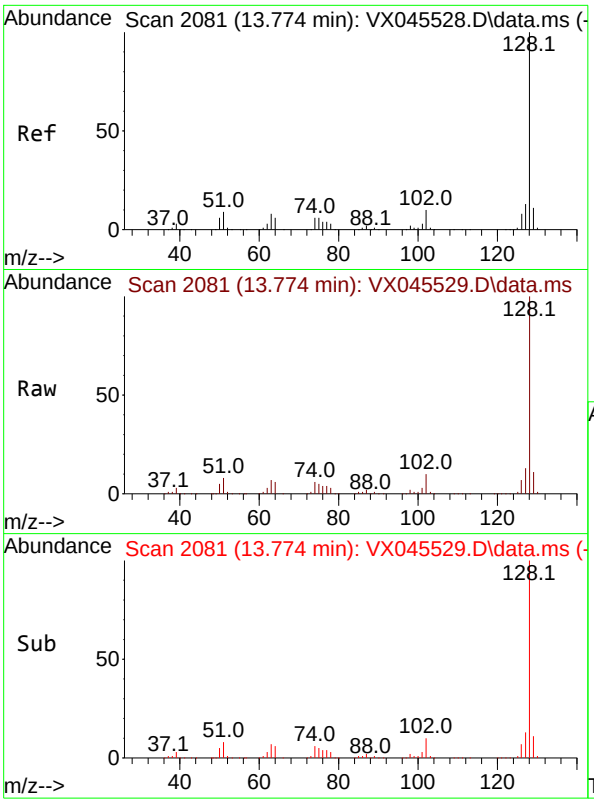


#94
Hexachlorobutadiene
Concen: 103.326 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

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

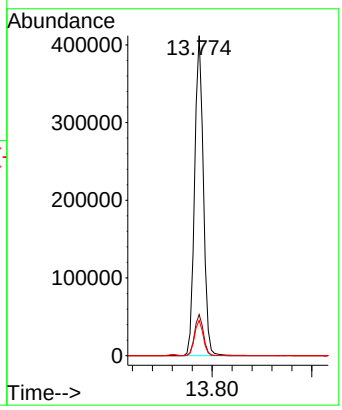




#95
Naphthalene
Concen: 111.473 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045529.D
Acq: 01 Apr 2025 18:38

Tgt Ion:128 Resp: 49971

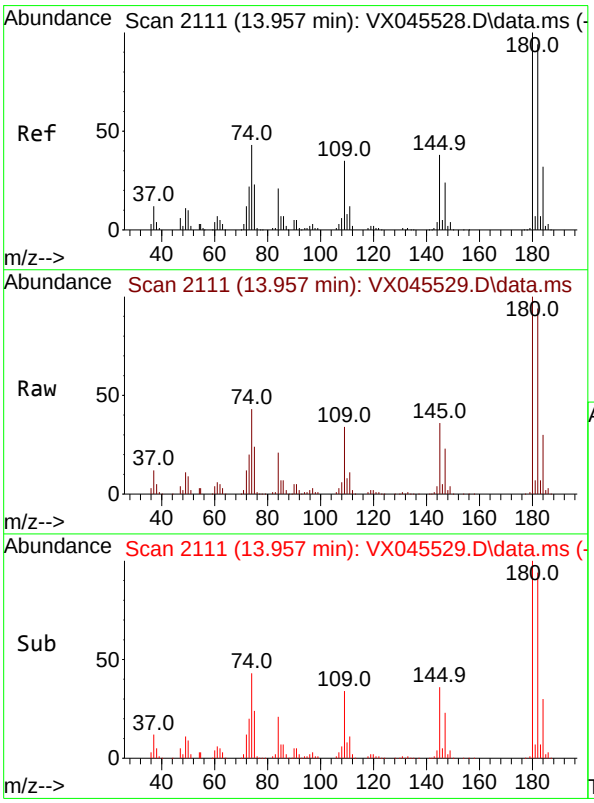
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

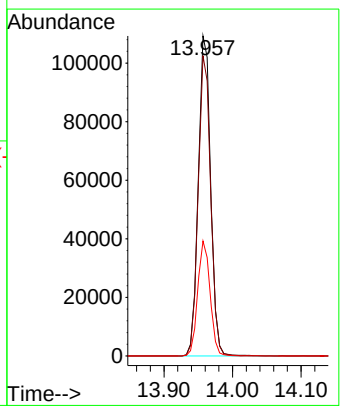
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#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

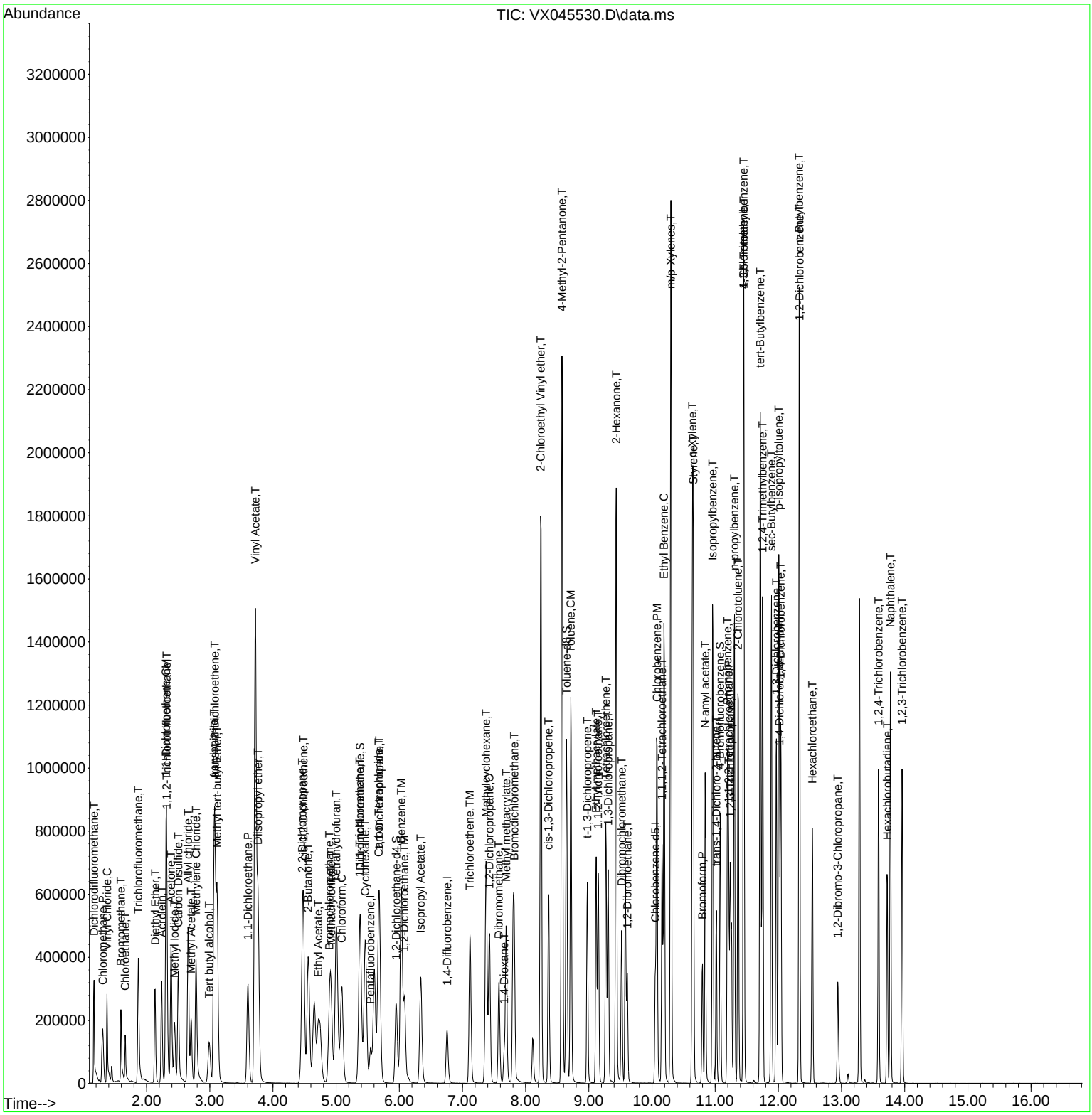
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

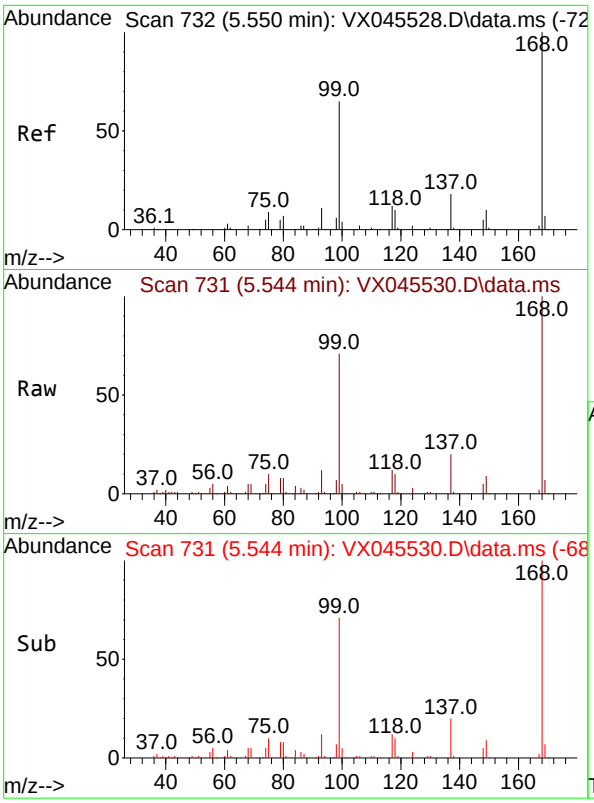
Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

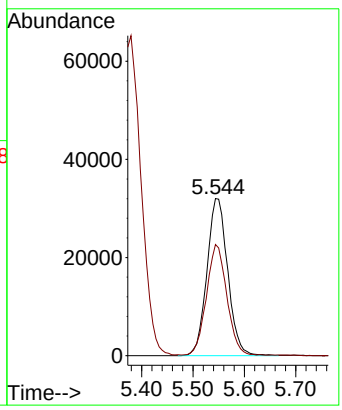




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:168 Resp: 9003

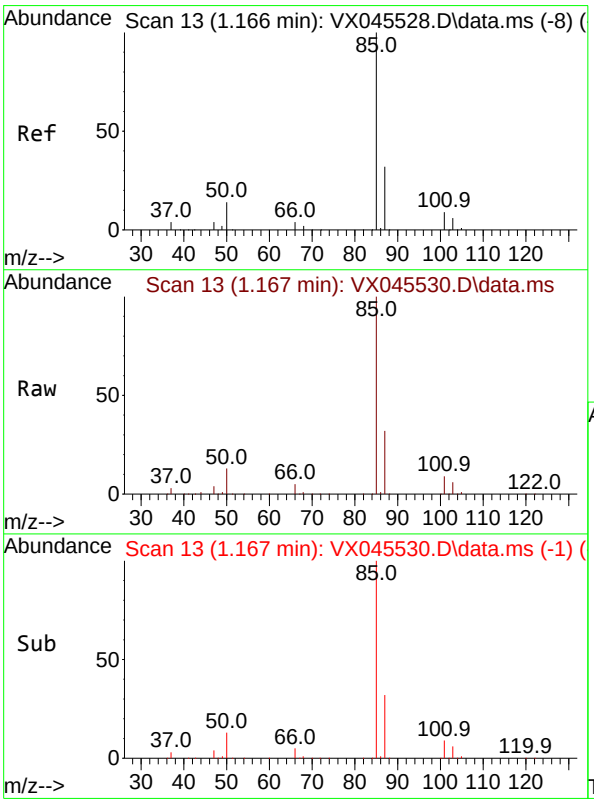
Ion	Ratio	Lower	Upper
168	100		
99	70.3	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

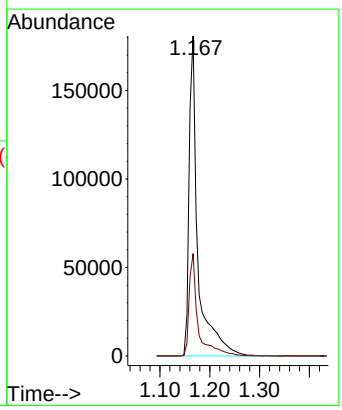
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

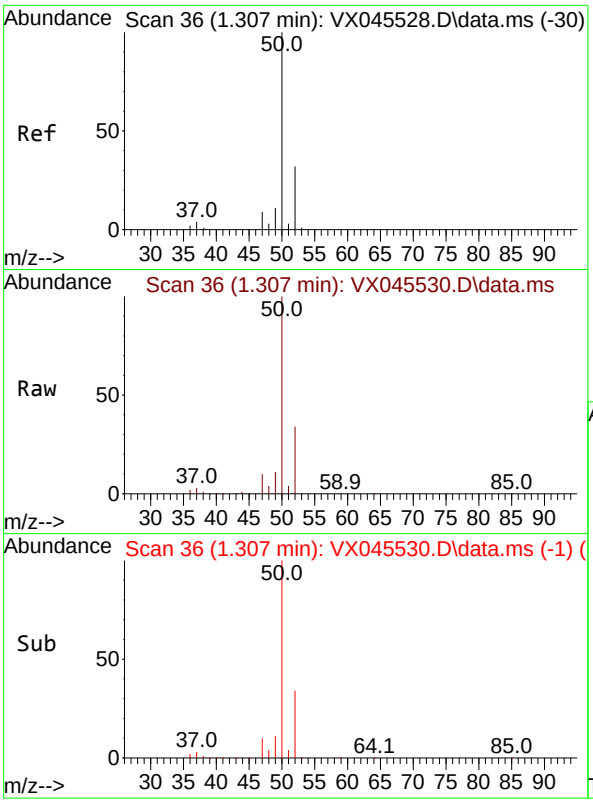


#2
Dichlorodifluoromethane
Concen: 164.460 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 85 Resp: 221436

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.1	48.2

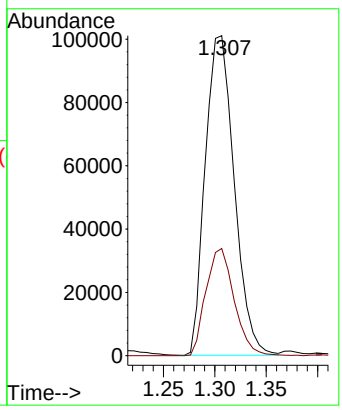




#3
Chloromethane
Concen: 143.373 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 50 Resp: 19832

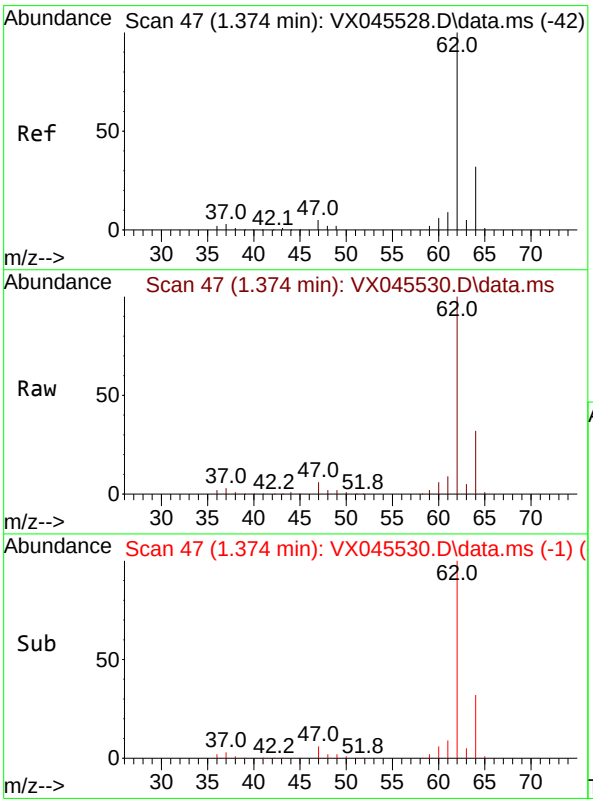
Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

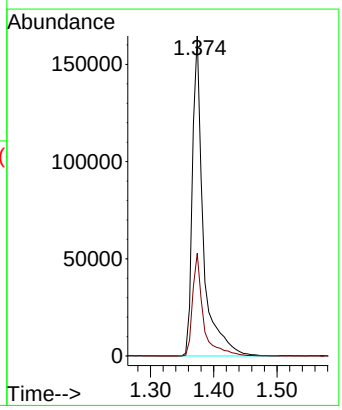
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

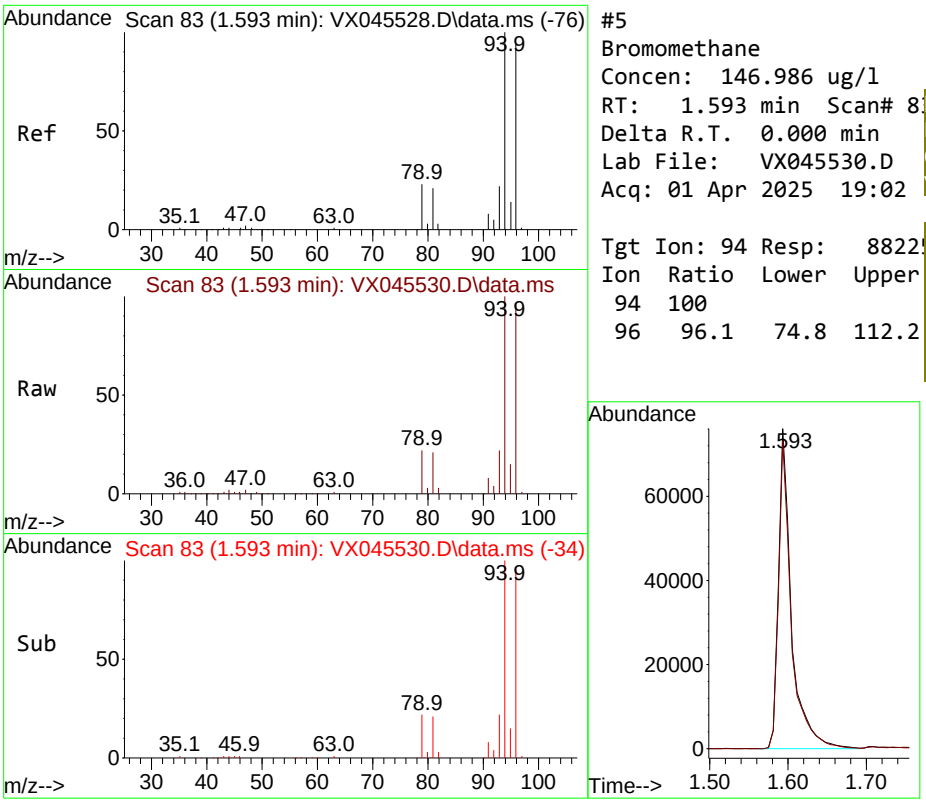


#4
Vinyl Chloride
Concen: 155.697 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

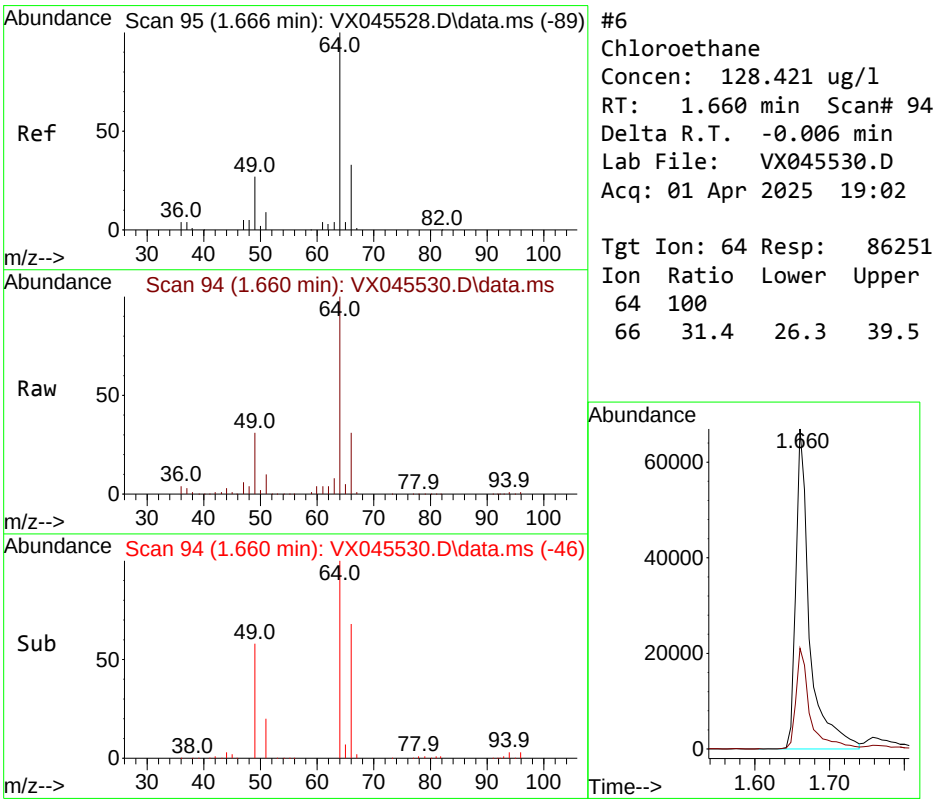
Tgt Ion: 94 Resp: 8822

Ion	Ratio	Lower	Upper
94	100		
96	96.1	74.8	112.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

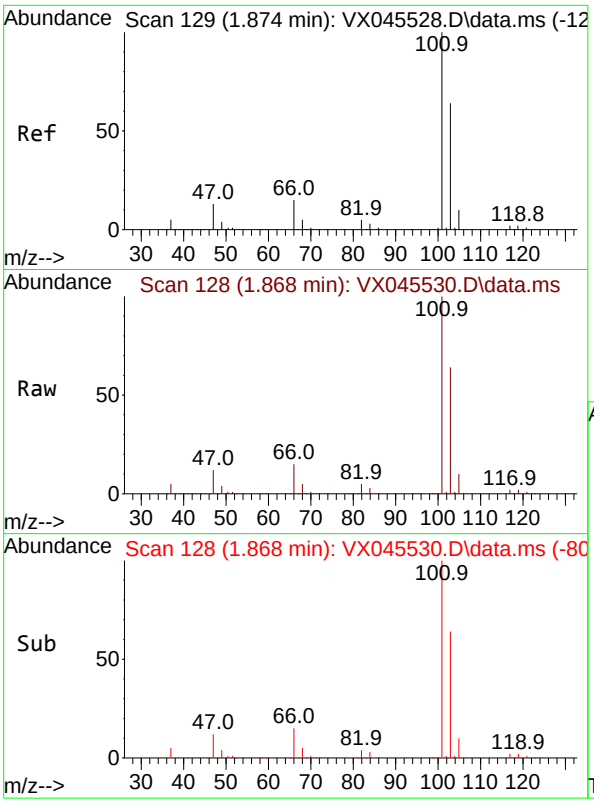
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#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

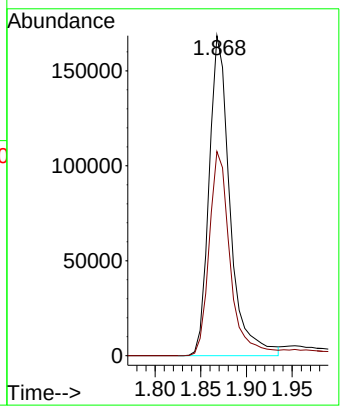
Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.3	39.5



#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

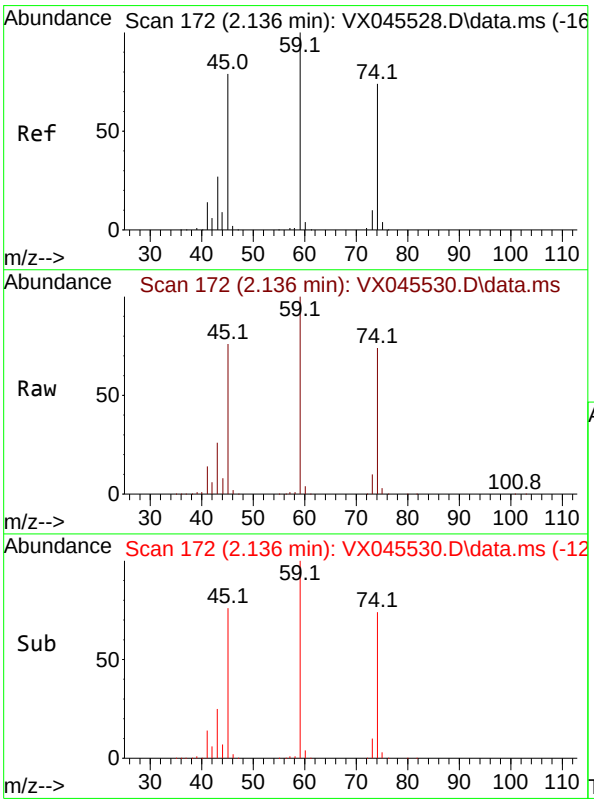
Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

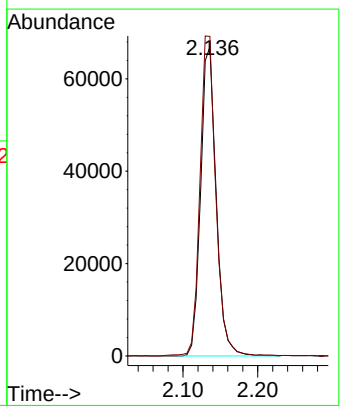
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

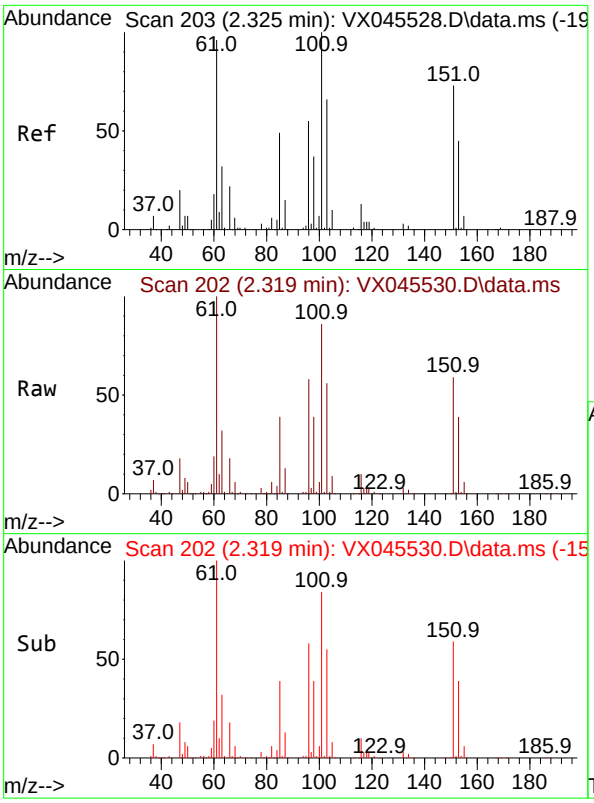


#8
Diethyl Ether
Concen: 152.215 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

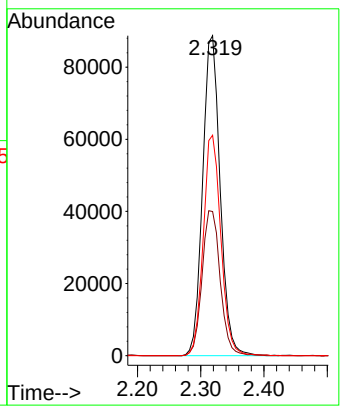
Tgt Ion:101 Resp: 17111

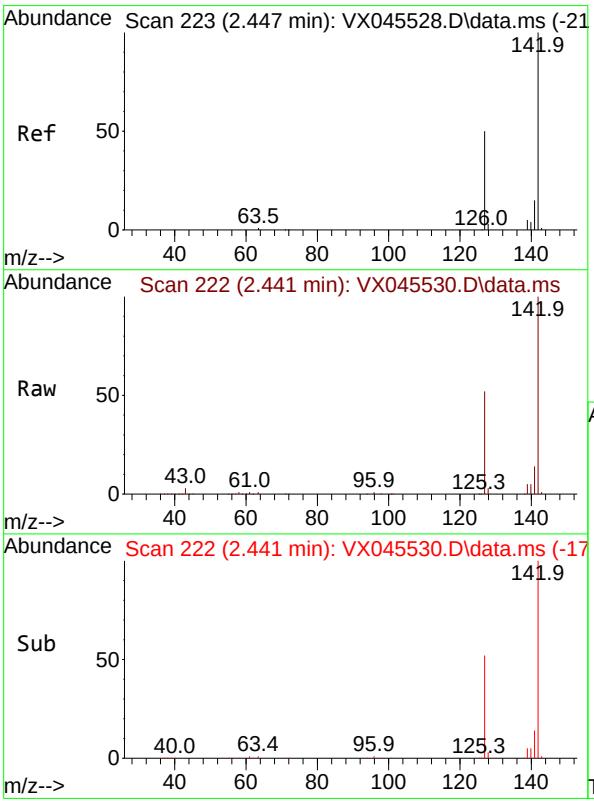
Ion	Ratio	Lower	Upper
101	100		
85	46.9	38.9	58.3
151	69.3	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

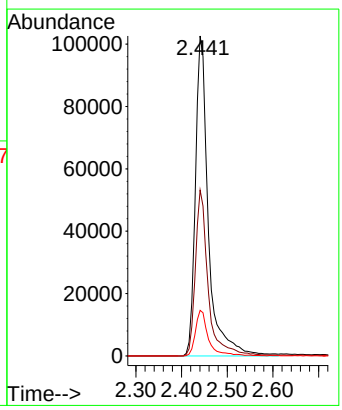


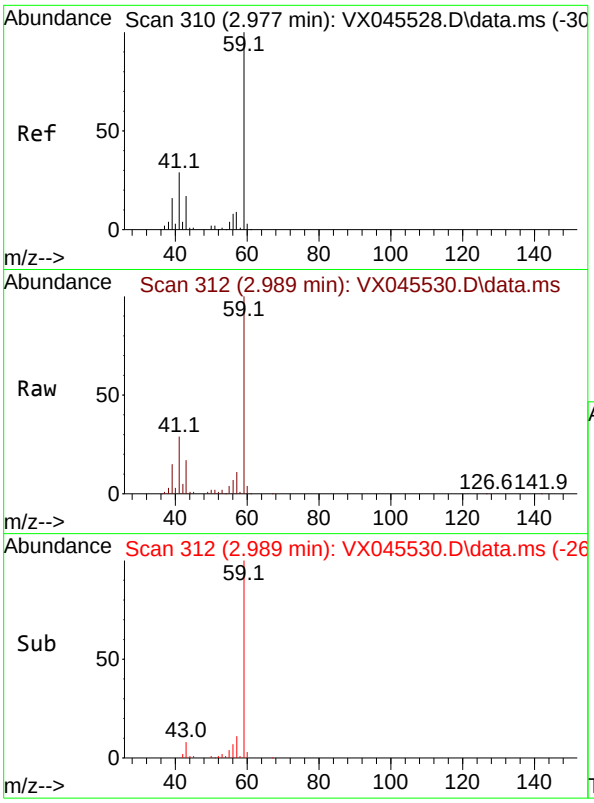


#10
Methyl Iodide
Concen: 146.838 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

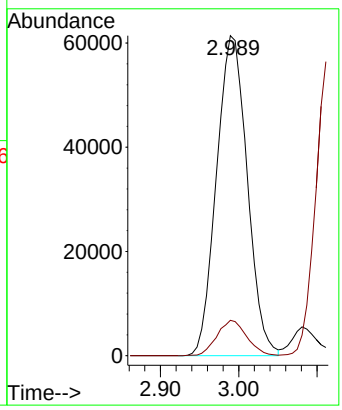




#11
Tert butyl alcohol
Concen: 758.202 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 59 Resp: 16776

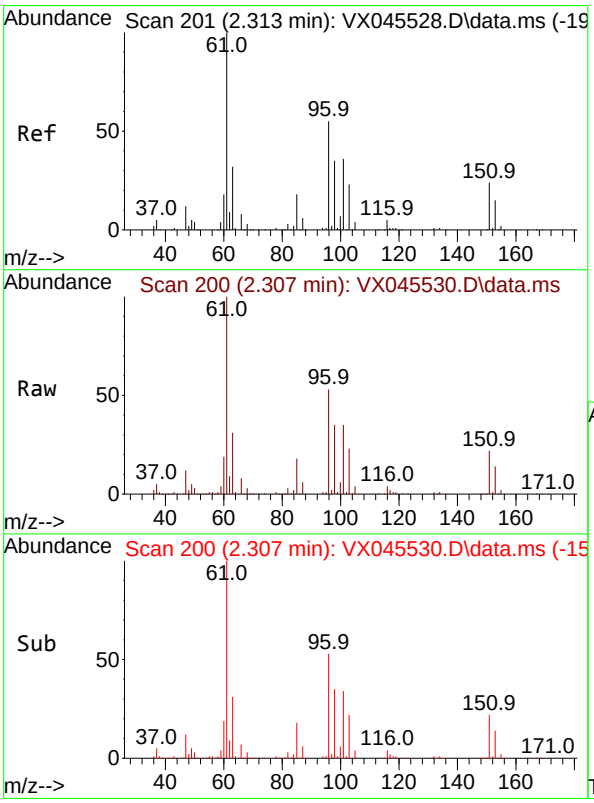
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

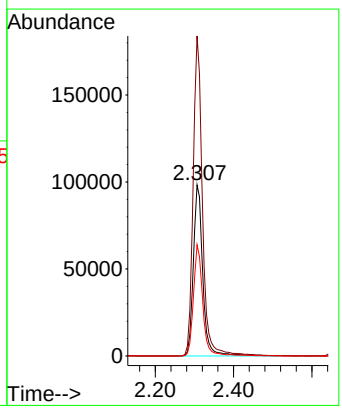
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

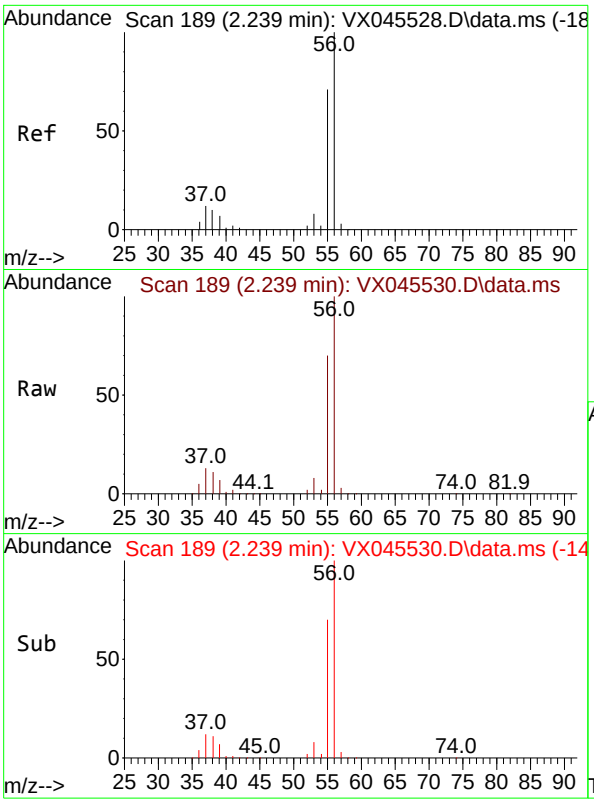


#12
1,1-Dichloroethene
Concen: 153.921 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

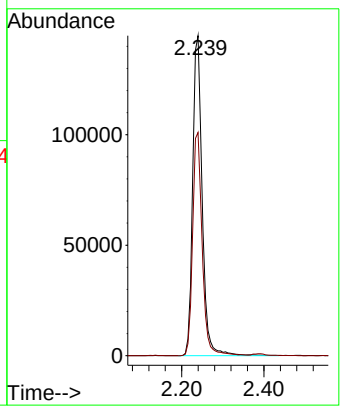




#13
Acrolein
Concen: 764.070 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 56 Resp: 23281

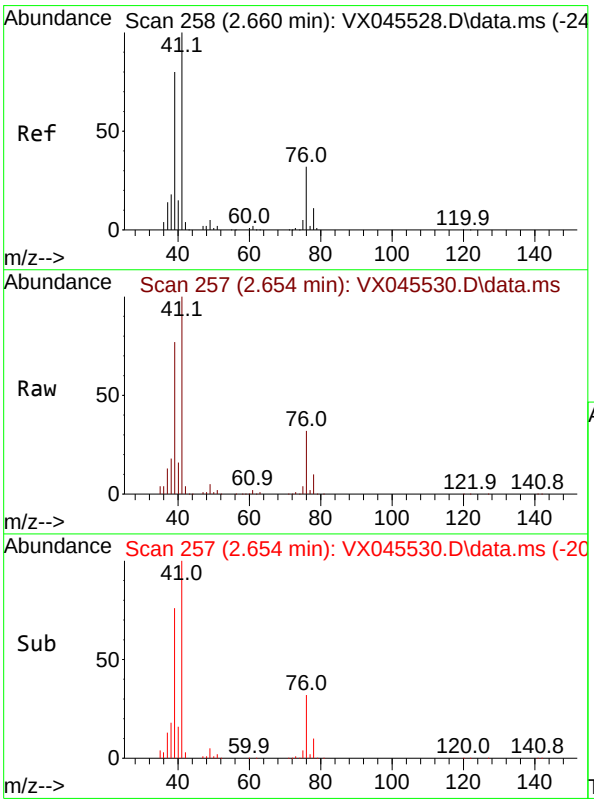
Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

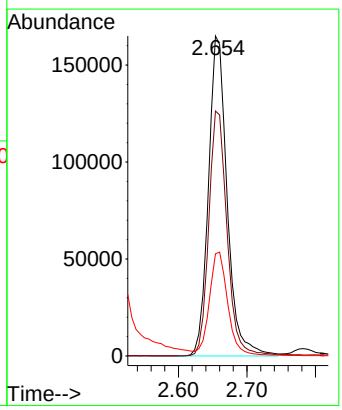
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

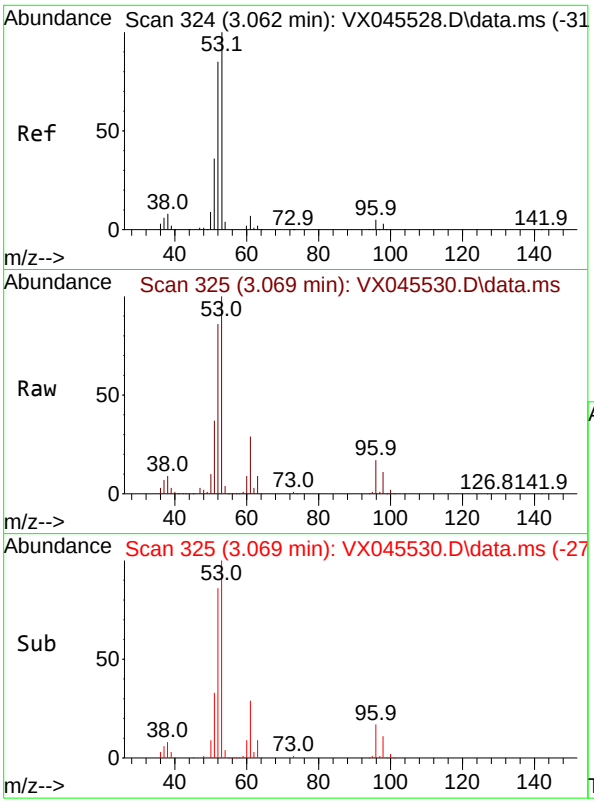


#14
Allyl chloride
Concen: 152.755 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

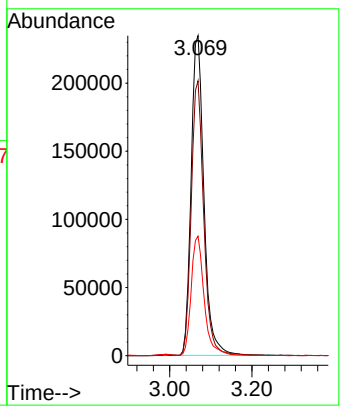




#15
Acrylonitrile
Concen: 727.247 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 53 Resp: 50796

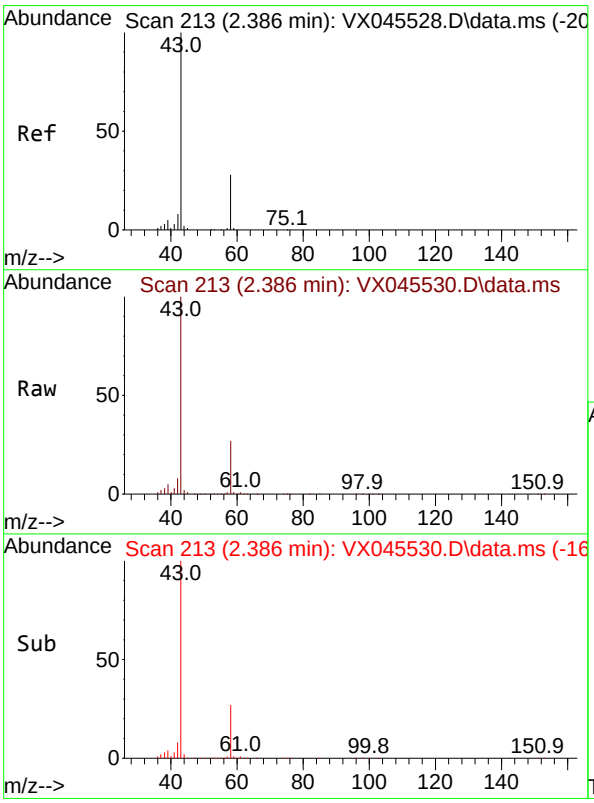
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.4	101.2
51	37.7	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

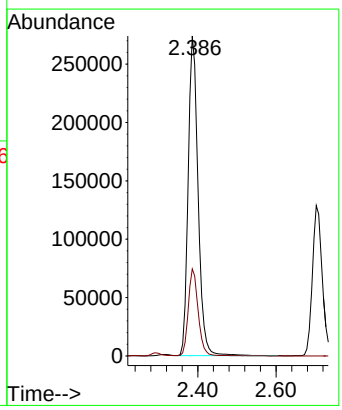
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

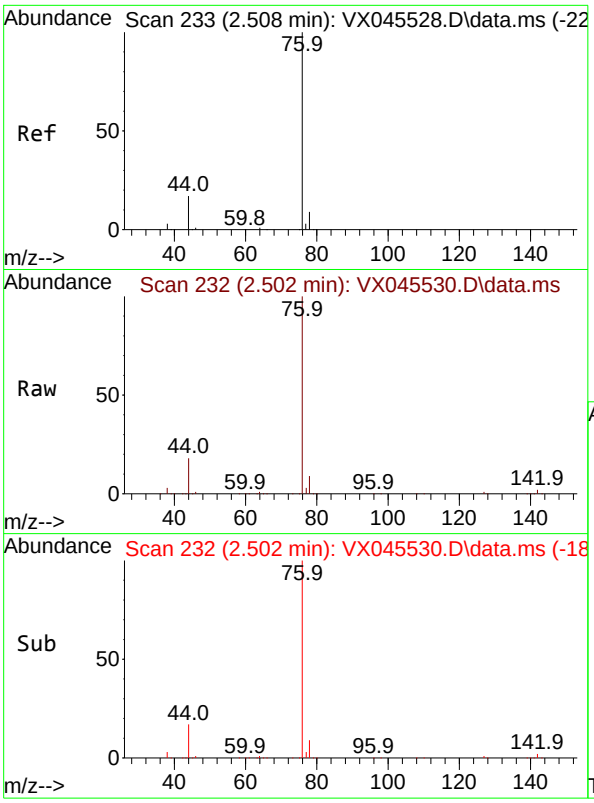


#16
Acetone
Concen: 709.323 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 479564

Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.3	33.5

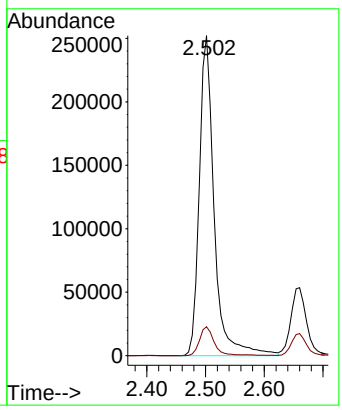




#17
Carbon Disulfide
Concen: 166.133 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 76 Resp: 44349

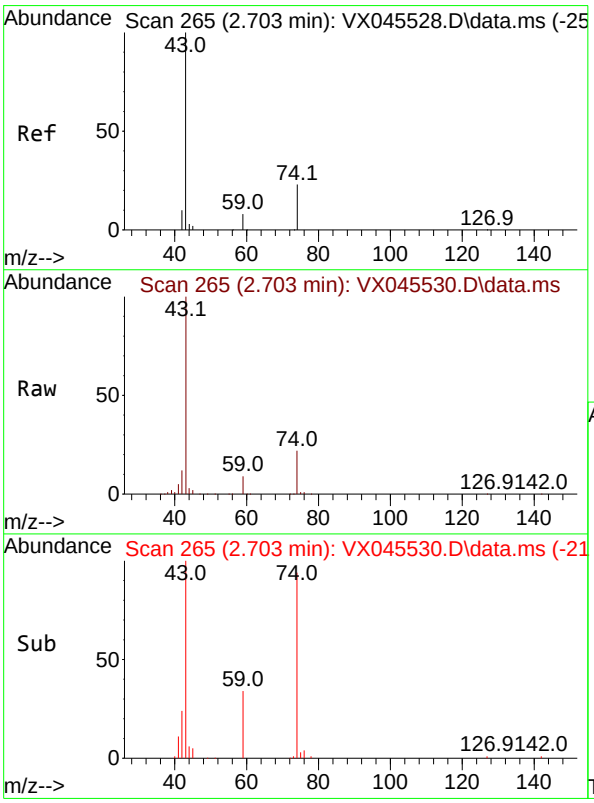
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

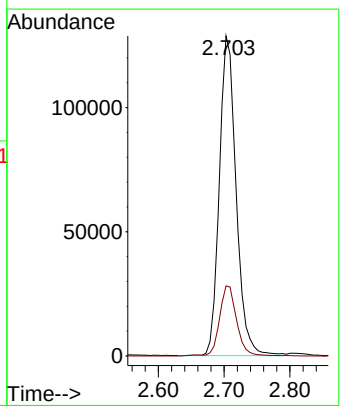
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

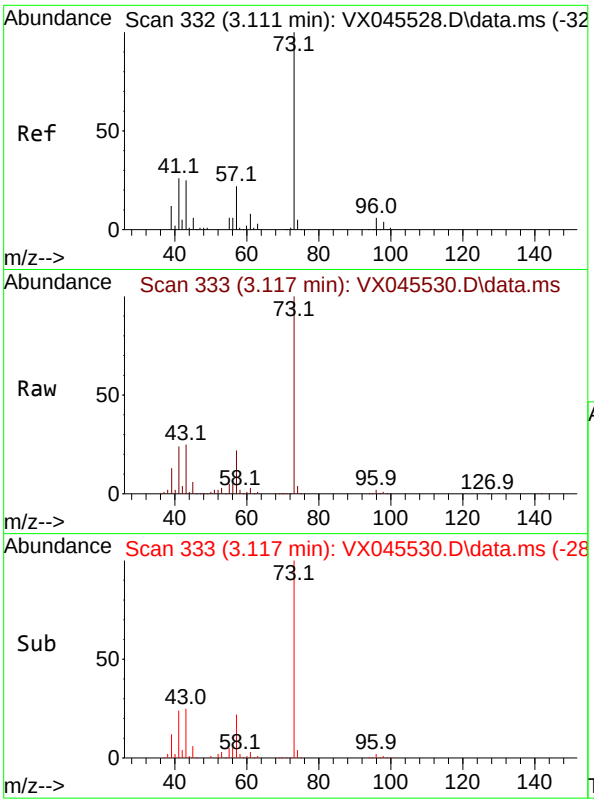


#18
Methyl Acetate
Concen: 146.832 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 228558

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.5	26.3

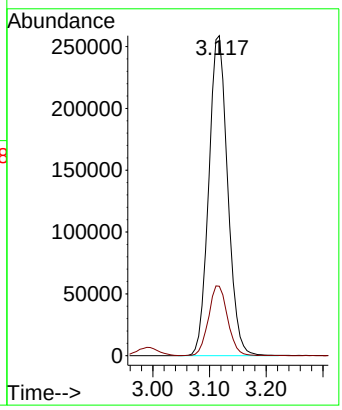




#19
Methyl tert-butyl Ether
Concen: 158.301 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 73 Resp: 59853

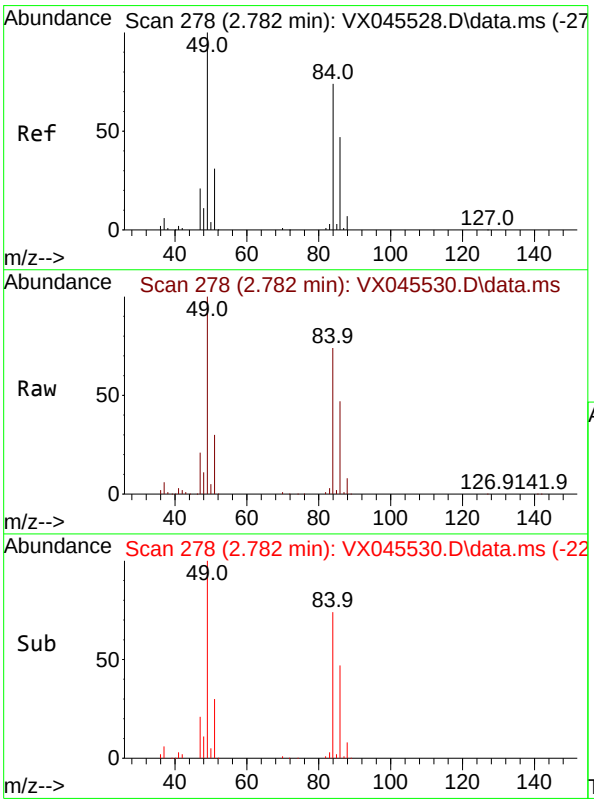
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

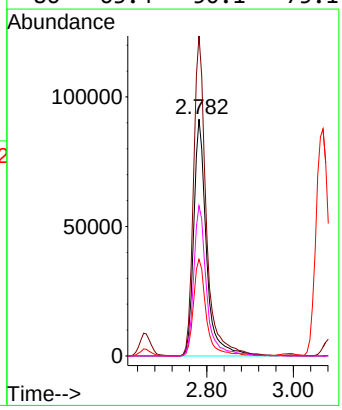
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

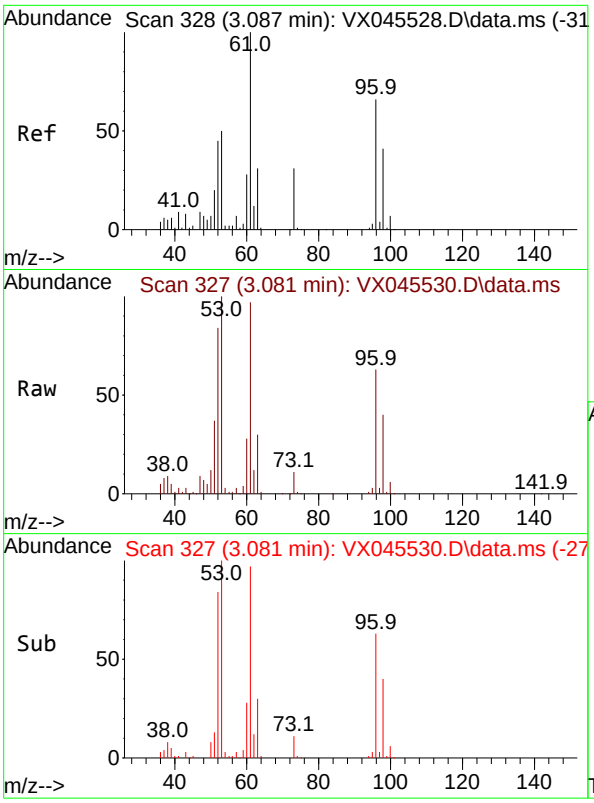


#20
Methylene Chloride
Concen: 147.254 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

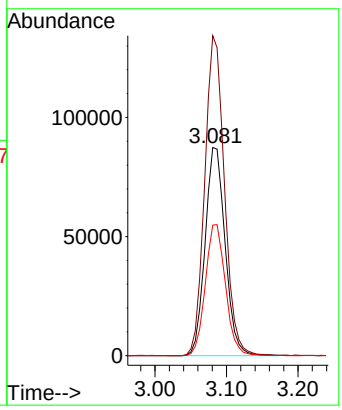




#21
trans-1,2-Dichloroethene
Concen: 154.210 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 96 Resp: 17028

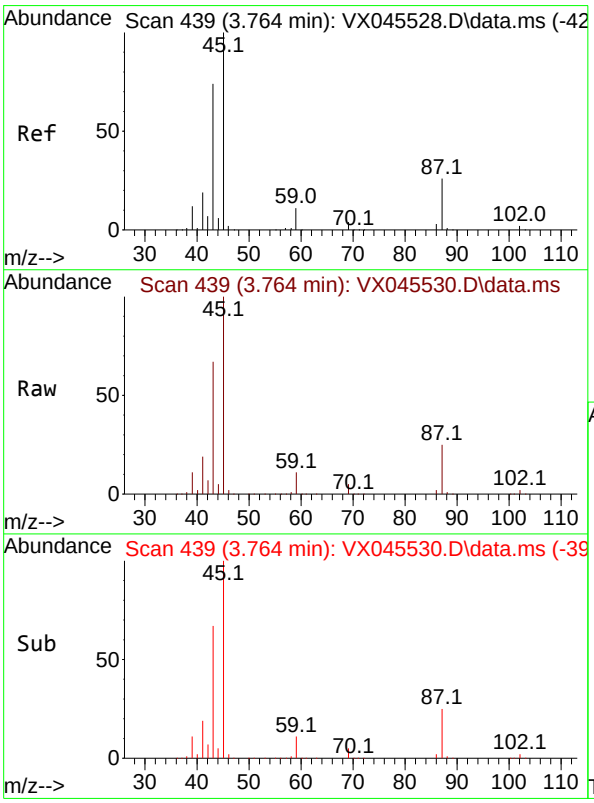
Ion	Ratio	Lower	Upper
96	100		
61	153.7	121.0	181.6
98	62.7	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

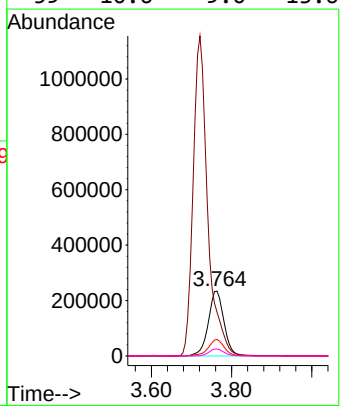
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

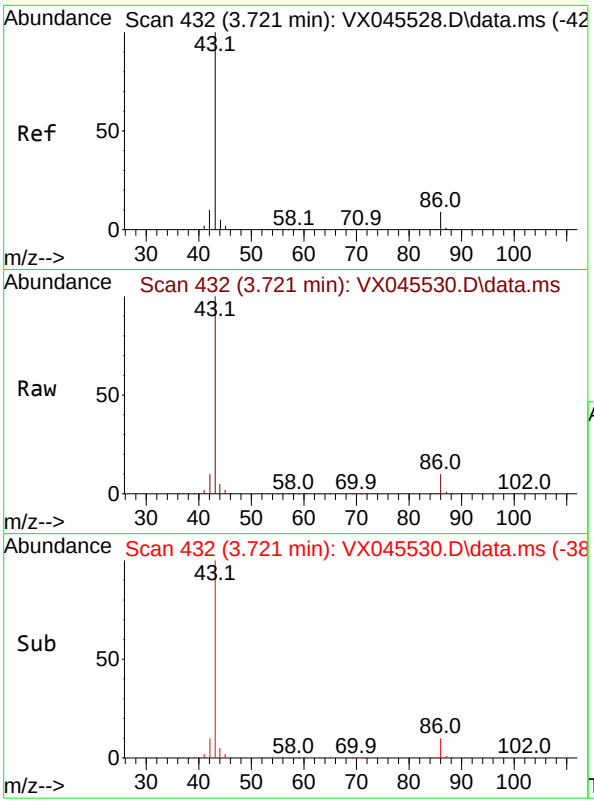


#22
Diisopropyl ether
Concen: 157.617 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

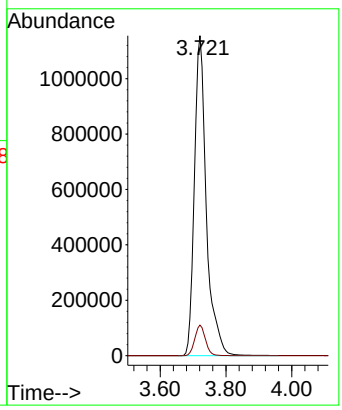




#23
Vinyl Acetate
Concen: 834.120 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 291132

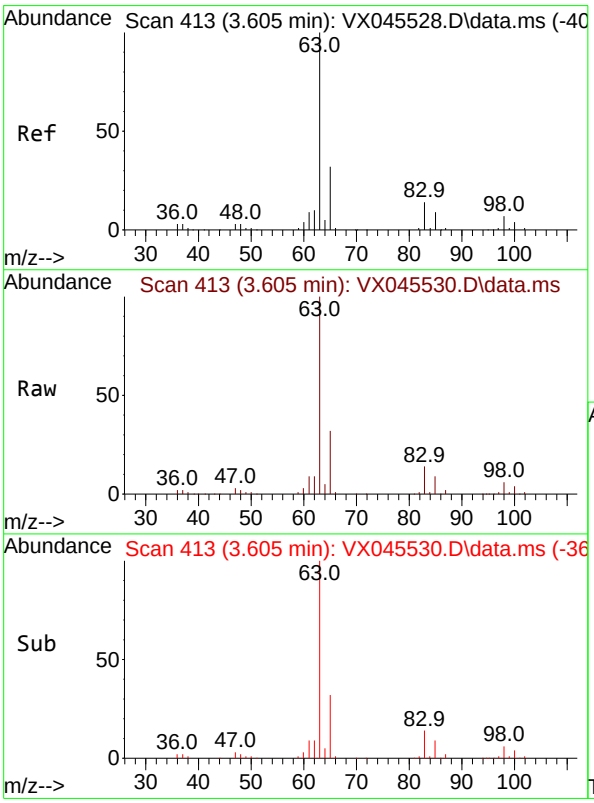
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

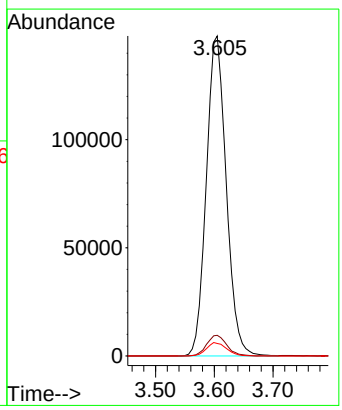
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

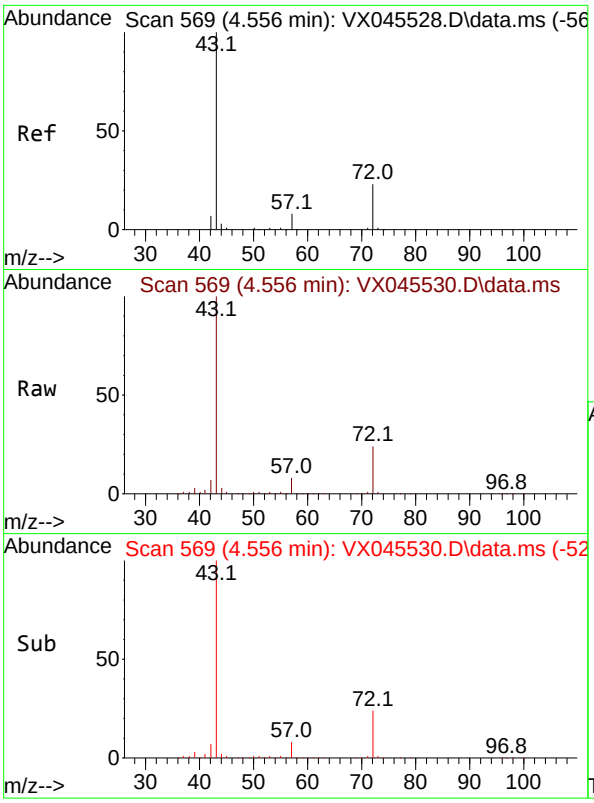


#24
1,1-Dichloroethane
Concen: 152.778 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

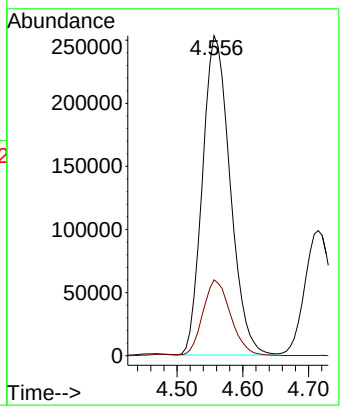
Tgt Ion: 43 Resp: 74009

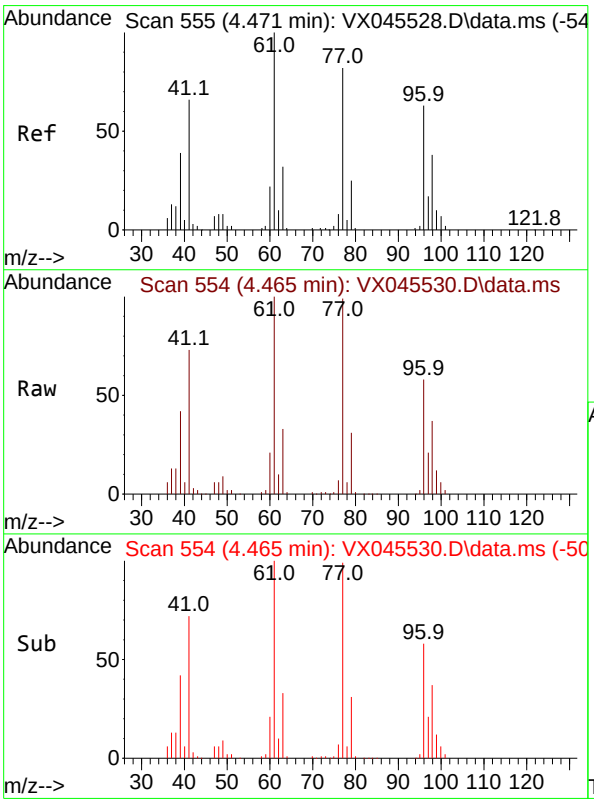
Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.6	28.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

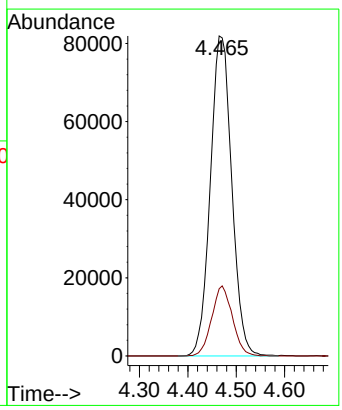


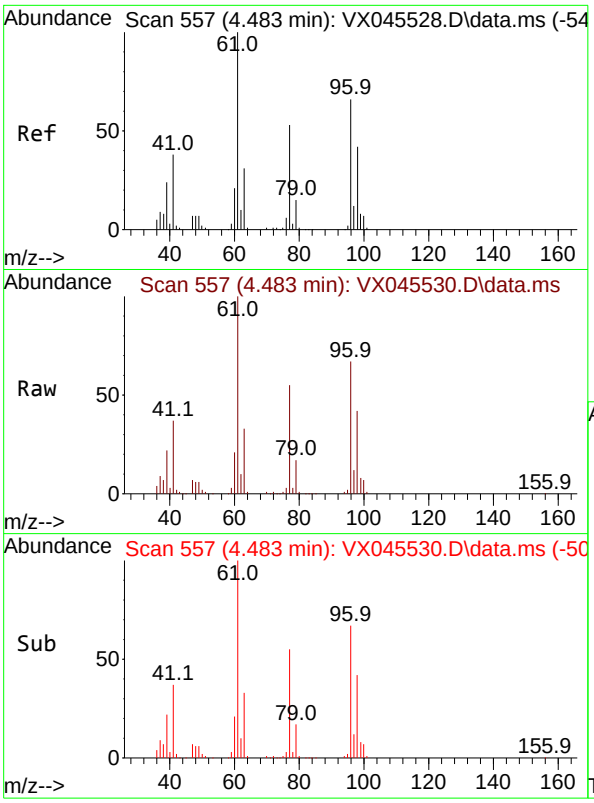


#26
2,2-Dichloropropane
Concen: 170.765 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 77 Resp: 252063

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8

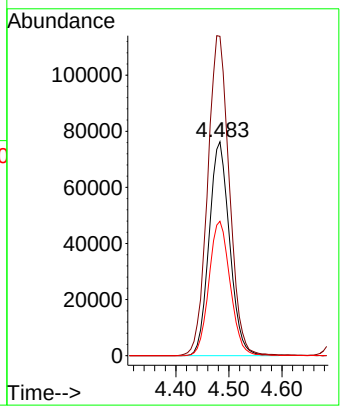




#27
cis-1,2-Dichloroethene
Concen: 152.571 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 96 Resp: 20525

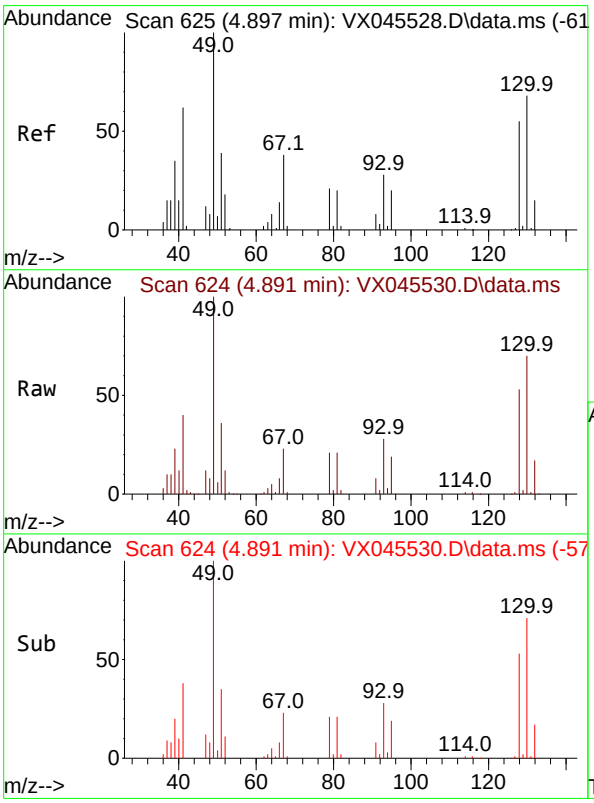
Ion	Ratio	Lower	Upper
96	100		
61	158.2	0.0	313.2
98	64.9	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

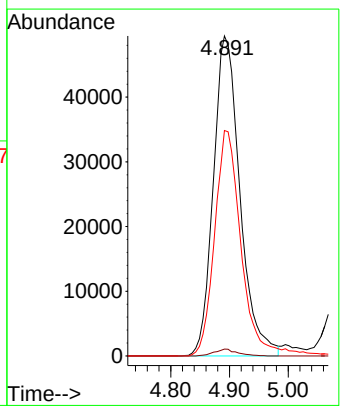
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

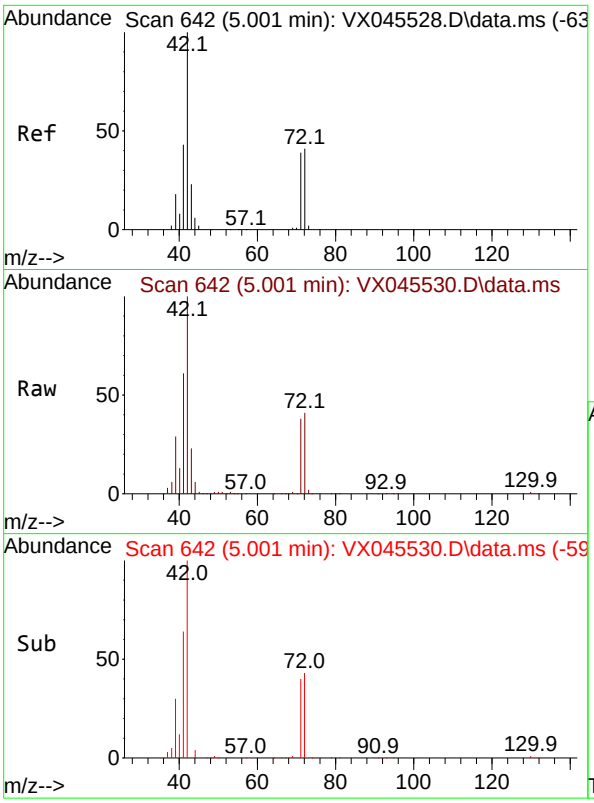


#28
Bromochloromethane
Concen: 140.938 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

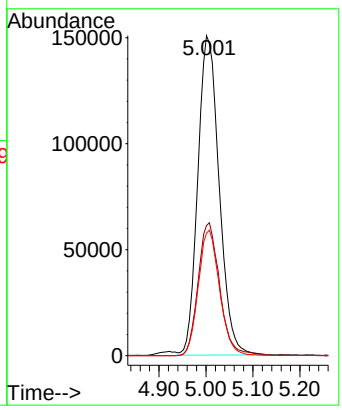
Tgt Ion: 42 Resp: 47558

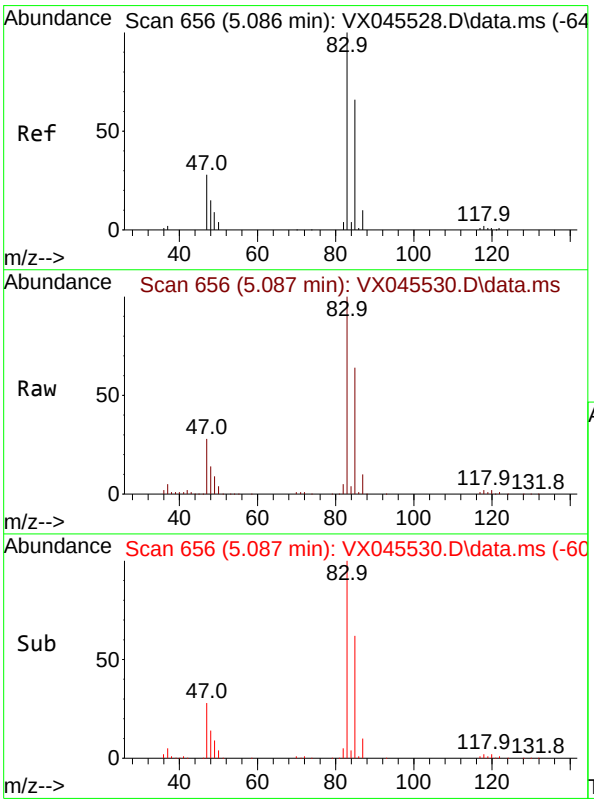
Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

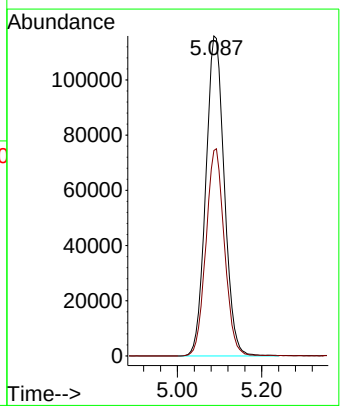


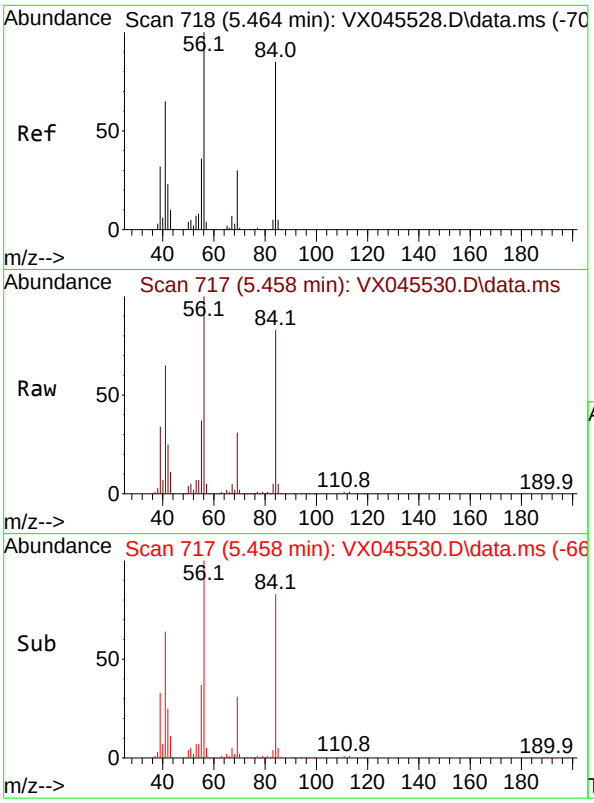


#30
Chloroform
Concen: 150.451 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 83 Resp: 353681

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.8	79.2

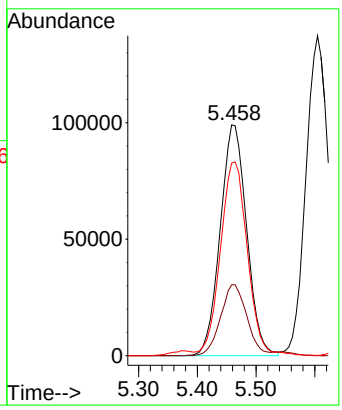




#31
Cyclohexane
Concen: 153.595 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 56 Resp: 31021

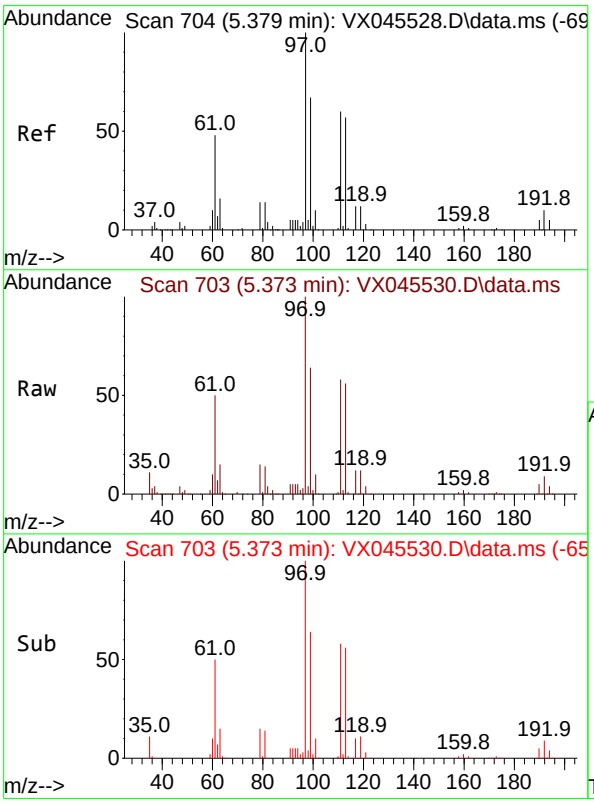
Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.6	35.4
84	81.9	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

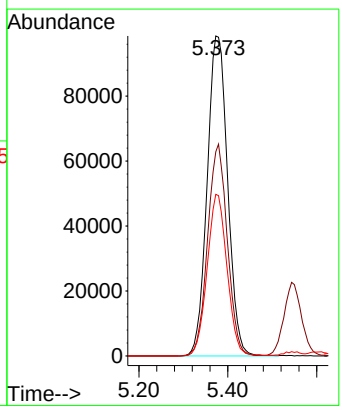
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

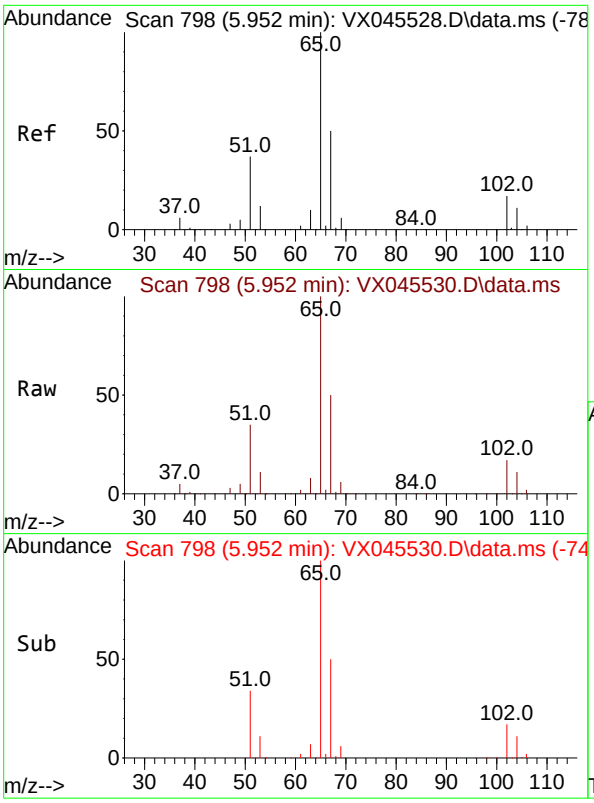


#32
1,1,1-Trichloroethane
Concen: 158.426 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

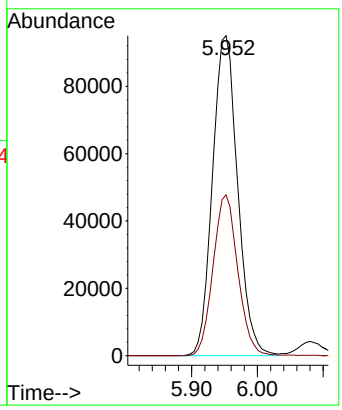




#33
1,2-Dichloroethane-d4
Concen: 153.661 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 65 Resp: 25299

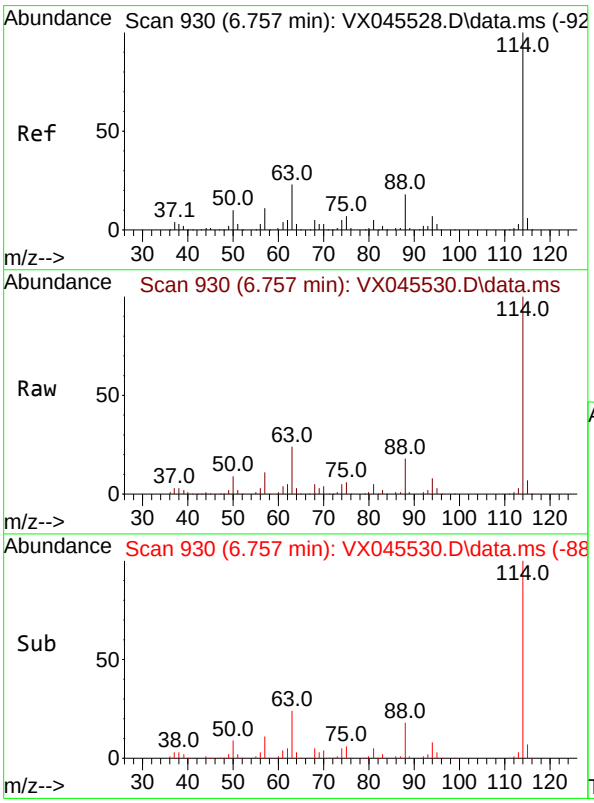
Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

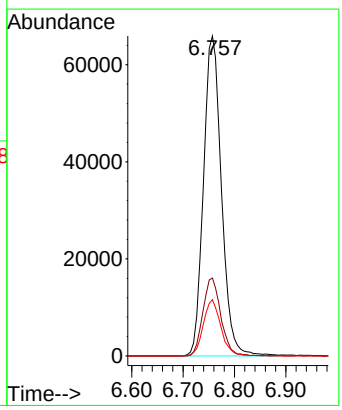
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

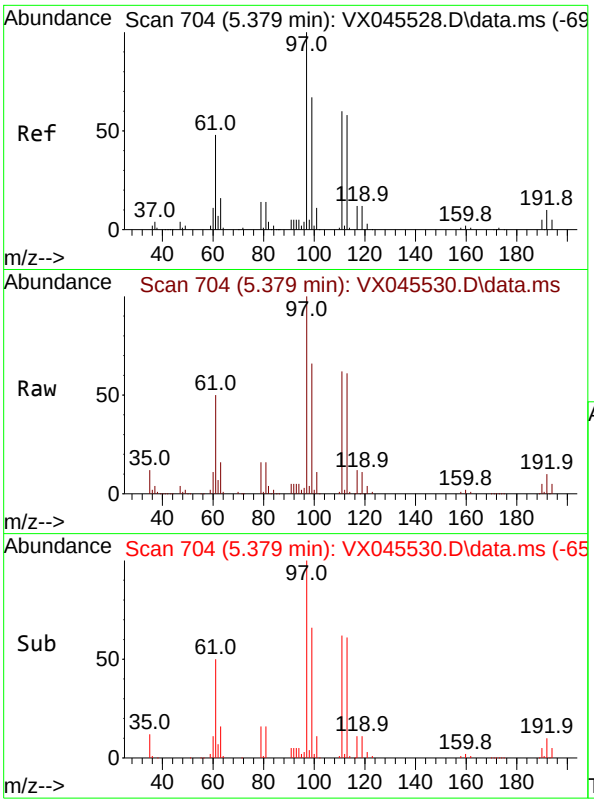


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

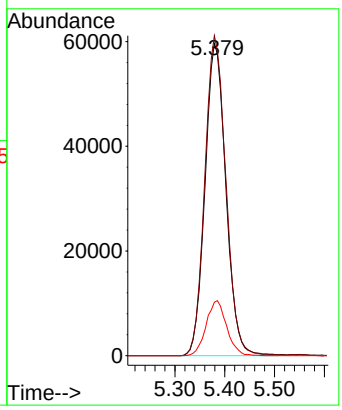




#35
Dibromofluoromethane
Concen: 152.887 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:113 Resp: 17359

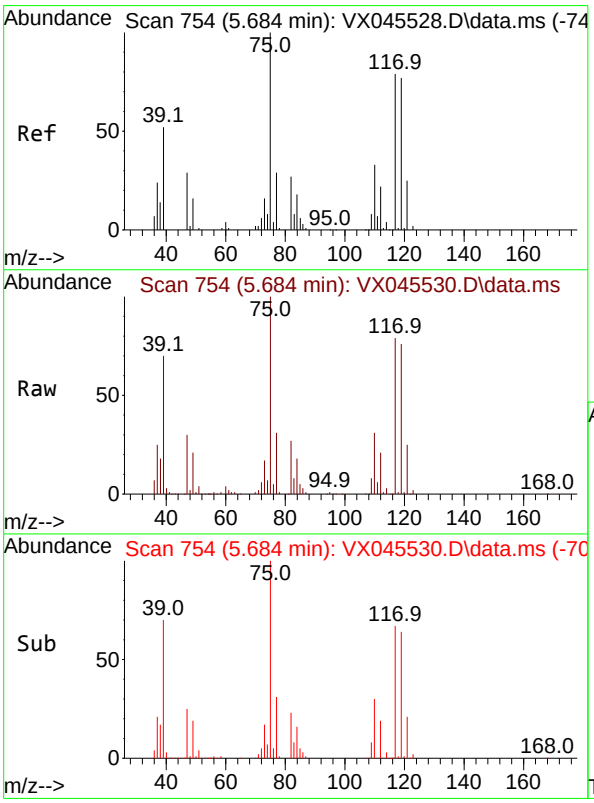
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	17.3	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

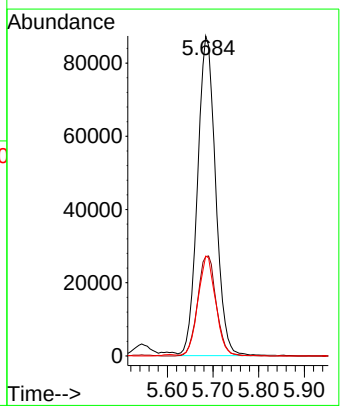
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

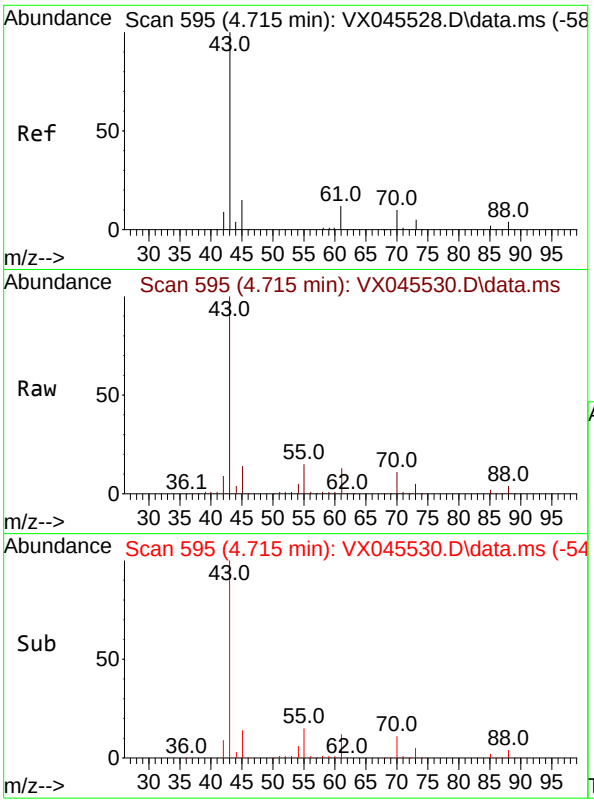


#36
1,1-Dichloropropene
Concen: 156.399 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

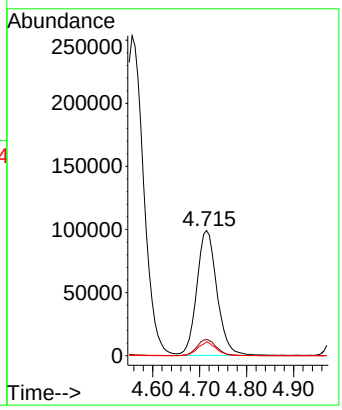




#37
Ethyl Acetate
Concen: 152.461 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 29455

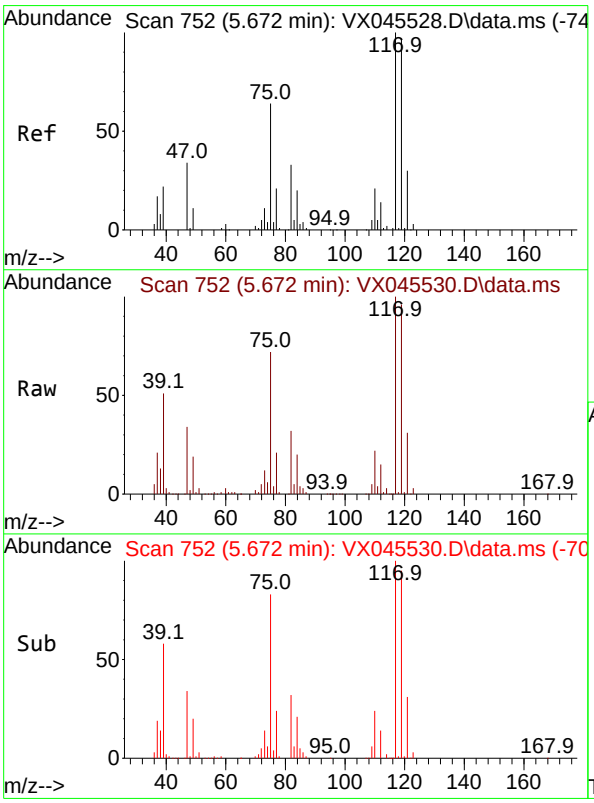
Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.9	14.9
70	10.0	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

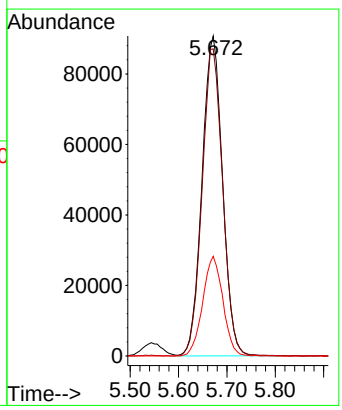
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

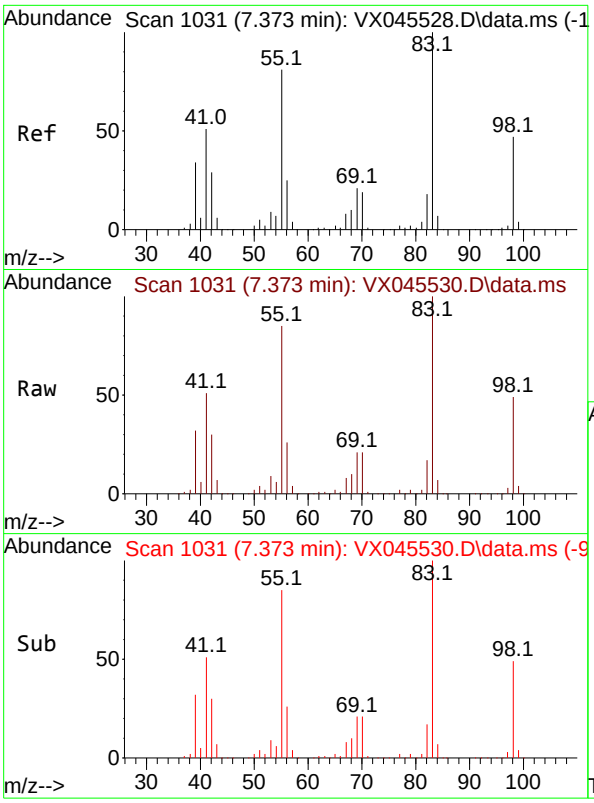


#38
Carbon Tetrachloride
Concen: 161.005 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

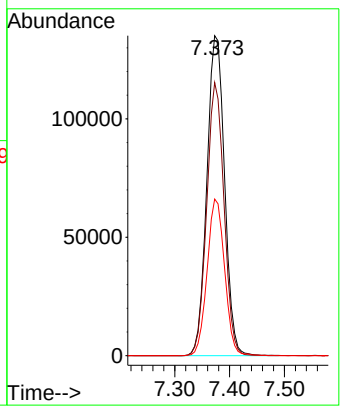




#39
Methylcyclohexane
Concen: 161.366 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 83 Resp: 30325

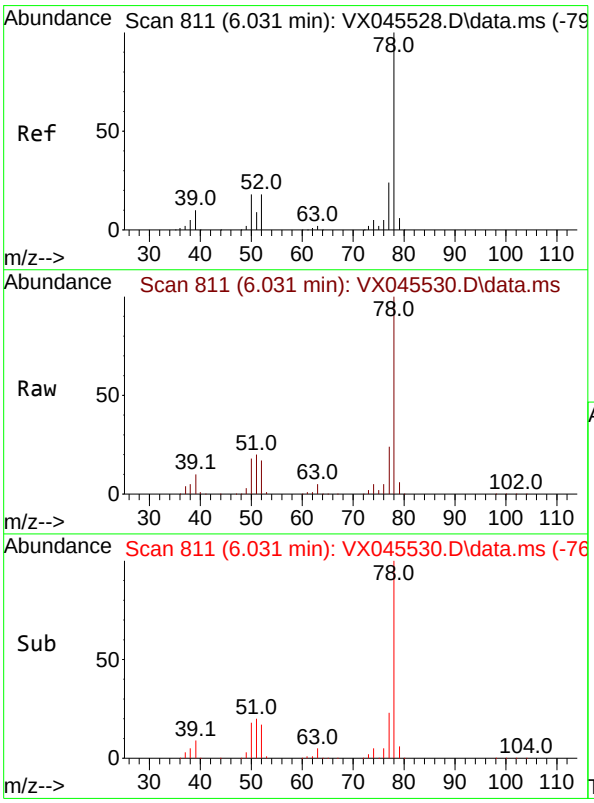
Ion	Ratio	Lower	Upper
83	100		
55	85.4	64.9	97.3
98	49.0	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

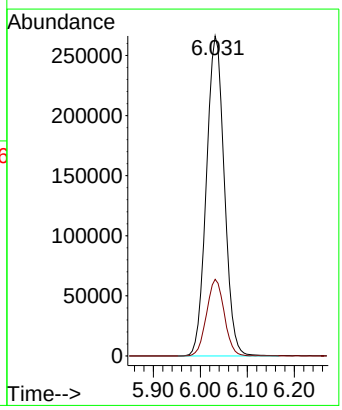
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

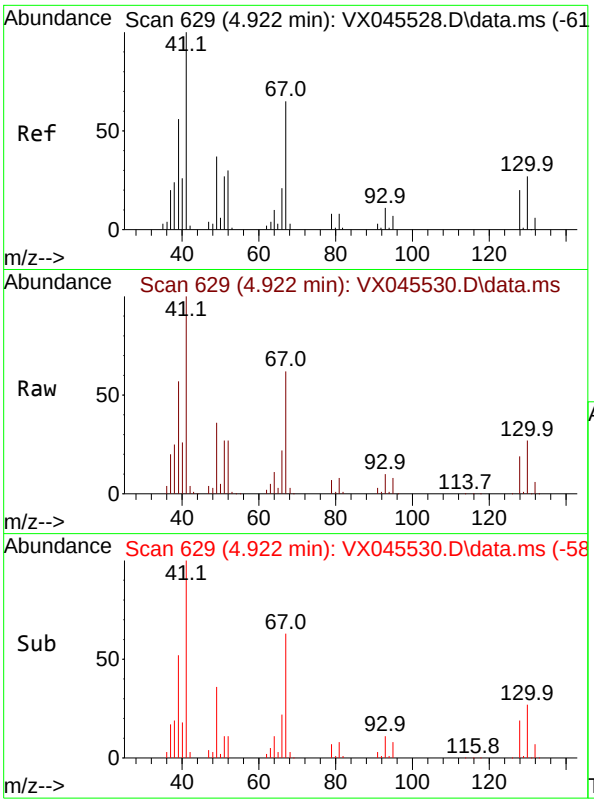


#40
Benzene
Concen: 150.208 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 78 Resp: 703311

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6

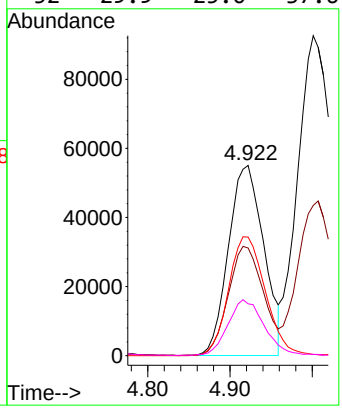




#41
Methacrylonitrile
Concen: 160.155 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 41 Resp: 16469

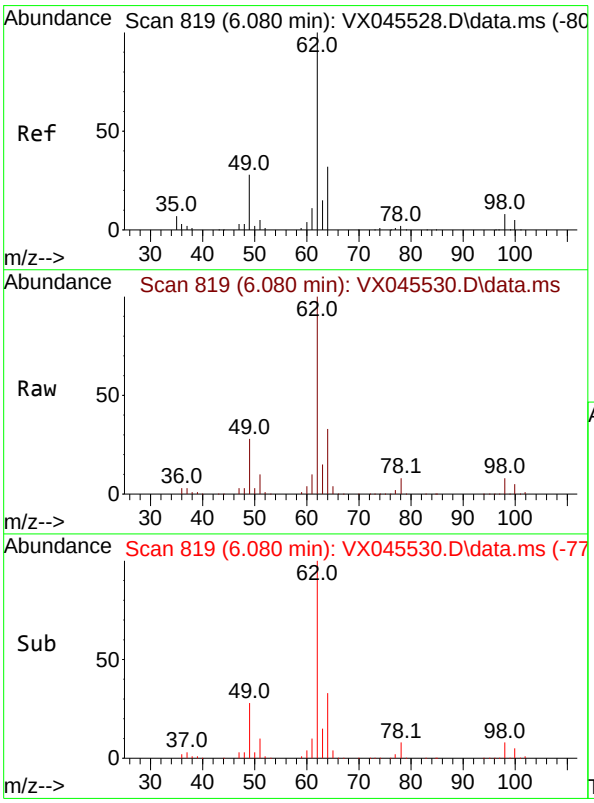
Ion	Ratio	Lower	Upper
41	100		
39	57.4	47.0	70.6
67	65.5	53.2	79.8
52	29.9	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

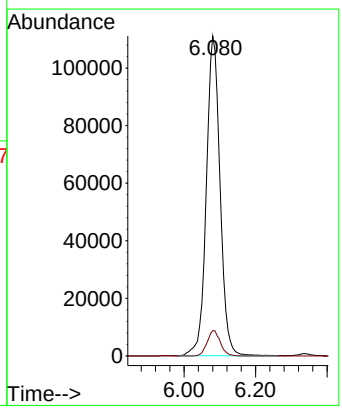
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

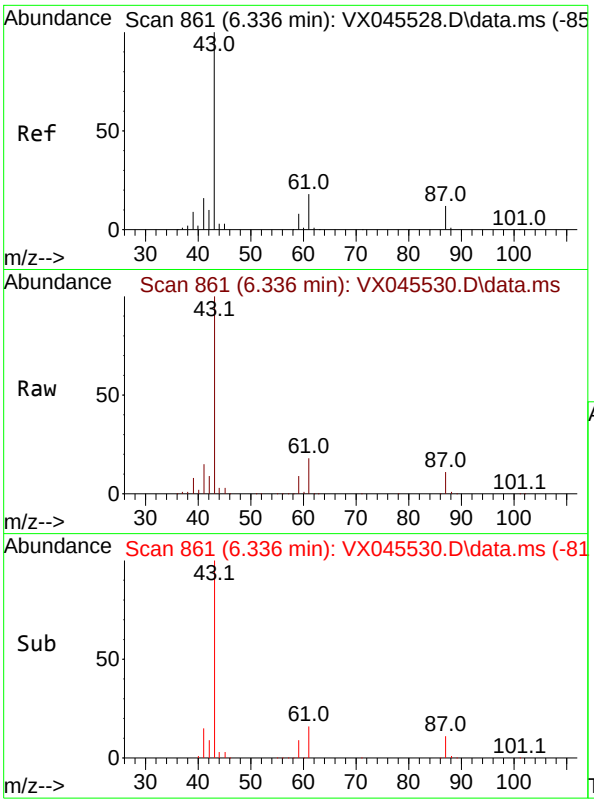


#42
1,2-Dichloroethane
Concen: 153.146 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 62 Resp: 296168

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2

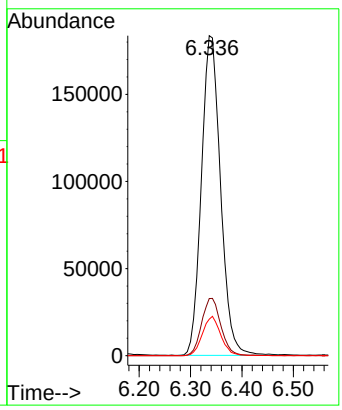




#43
Isopropyl Acetate
Concen: 162.494 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 47582

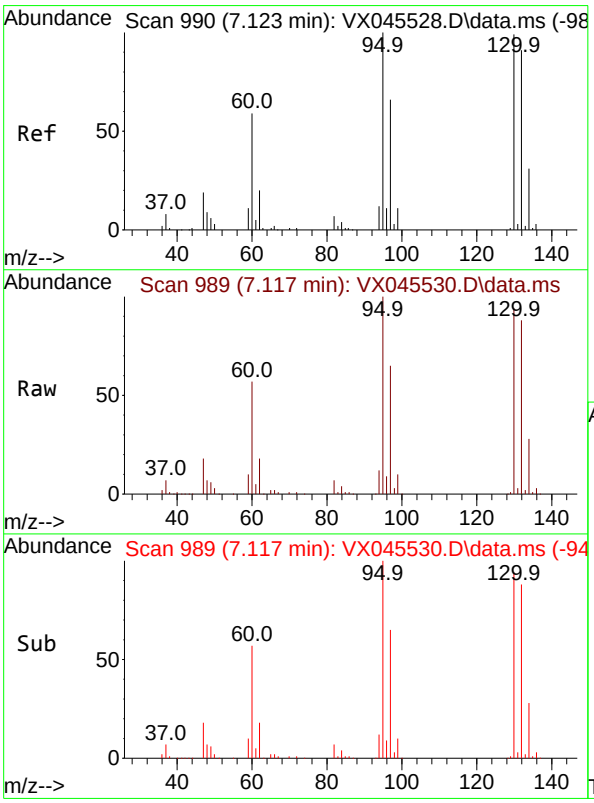
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.1	21.1
87	11.8	9.2	13.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

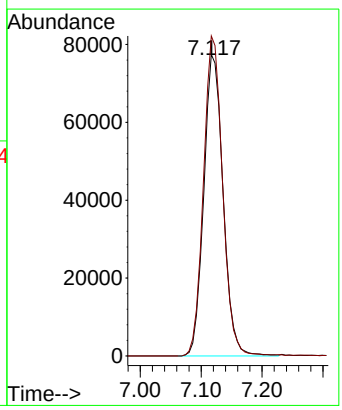
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

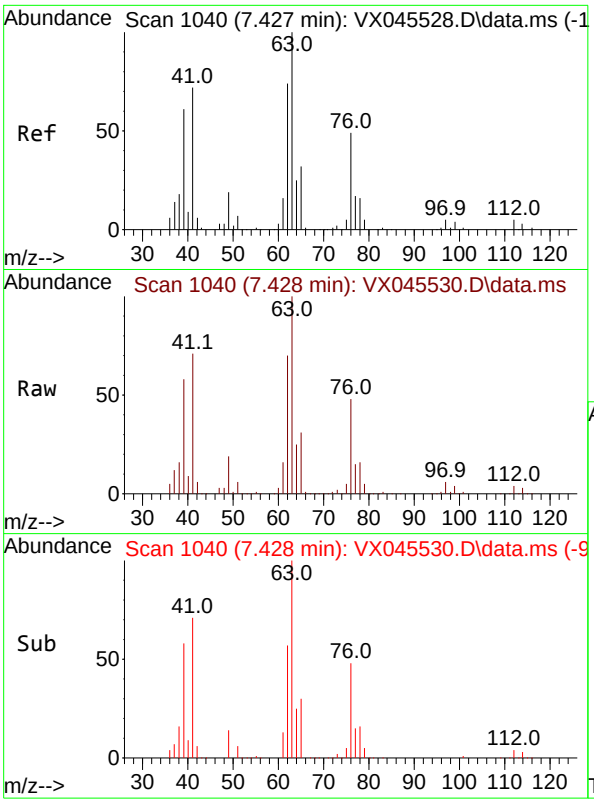


#44
Trichloroethene
Concen: 153.599 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:130 Resp: 170940

Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	202.0

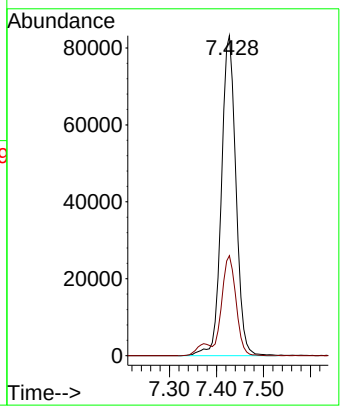




#45
1,2-Dichloropropane
Concen: 153.610 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 63 Resp: 17945

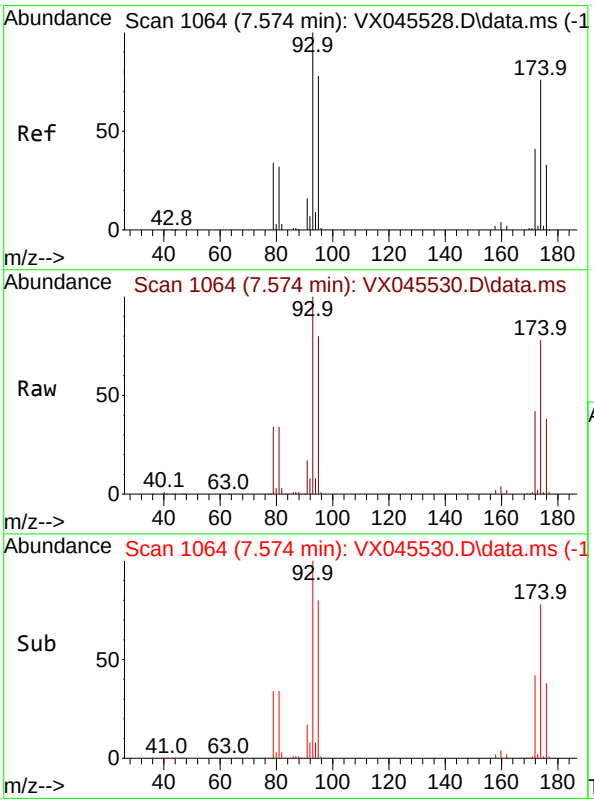
Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

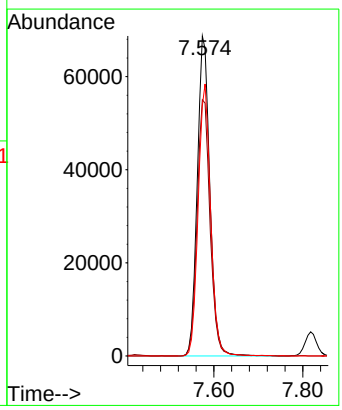
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

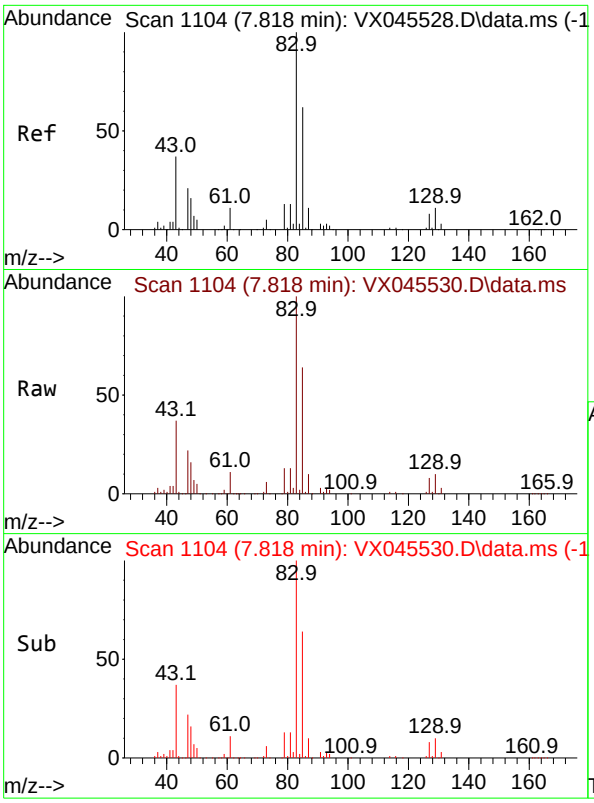


#46
Dibromomethane
Concen: 150.996 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

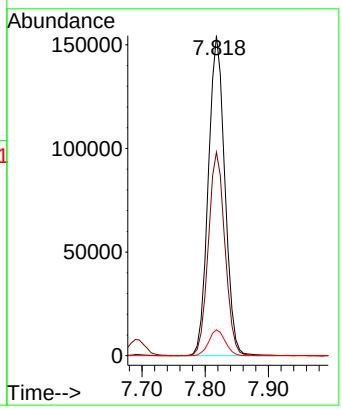




#47
Bromodichloromethane
Concen: 156.272 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 83 Resp: 27988

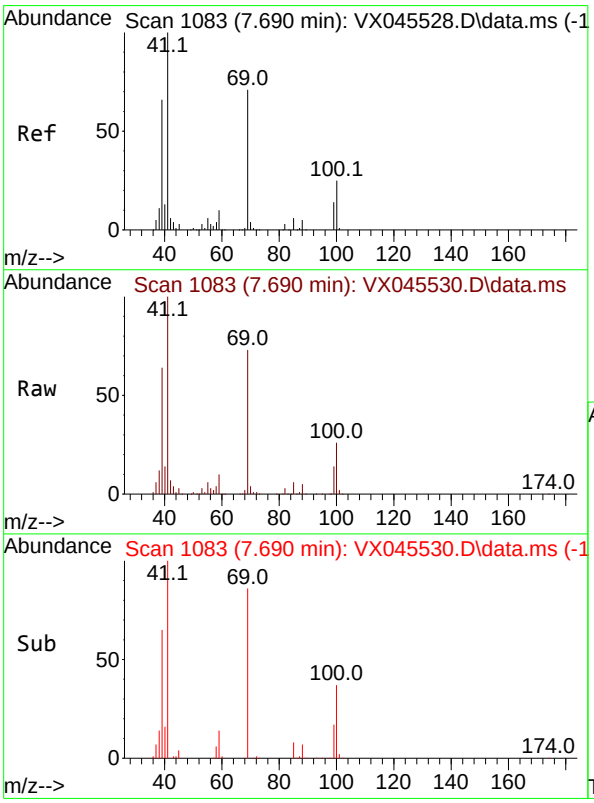
Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.7	74.5
127	8.1	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

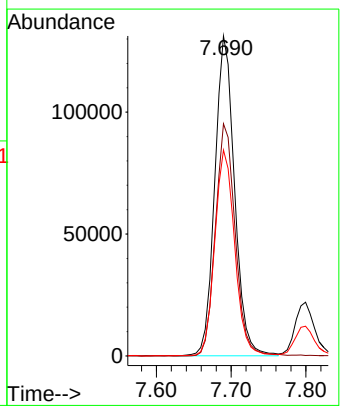
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

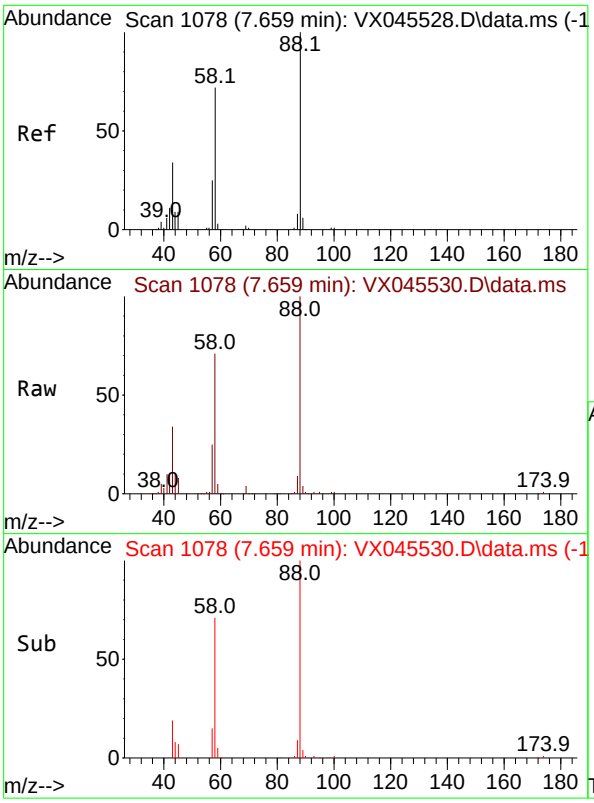


#48
Methyl methacrylate
Concen: 159.281 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

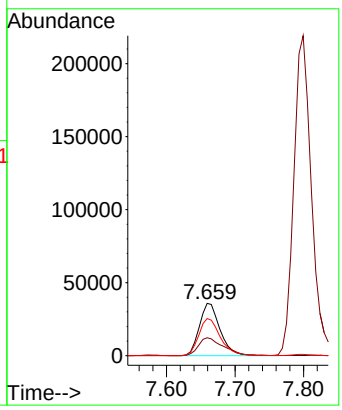
Tgt Ion: 88 Resp: 7492

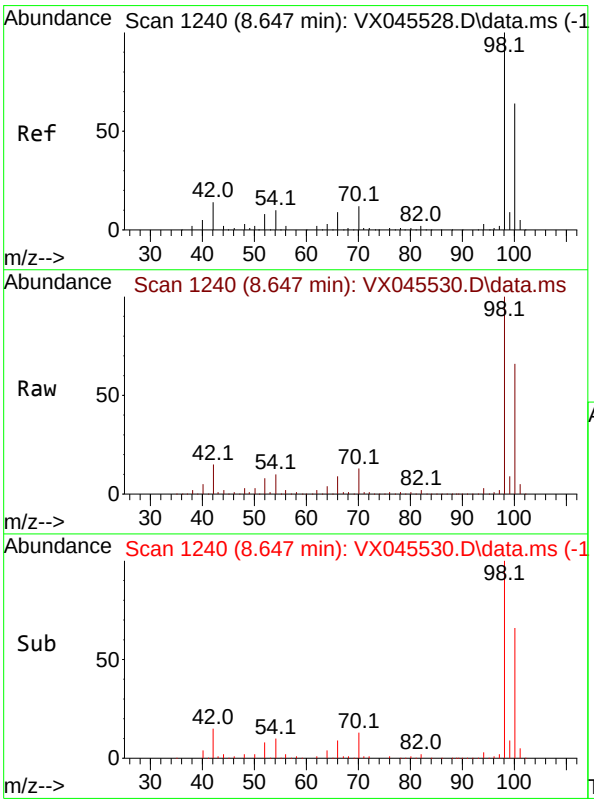
Ion	Ratio	Lower	Upper
88	100		
43	40.8	32.2	48.4
58	74.2	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

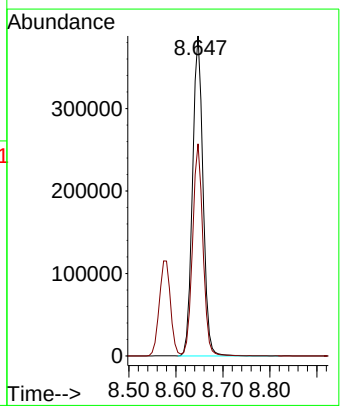


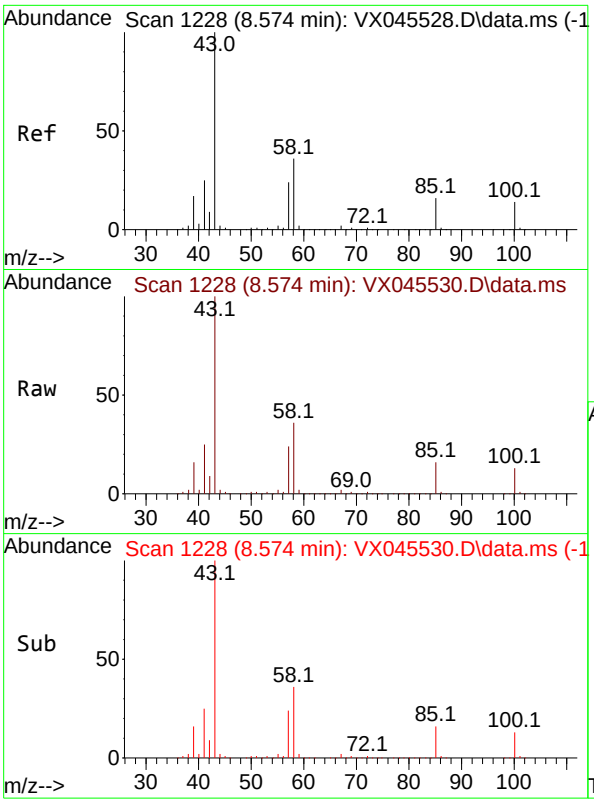


#50
Toluene-d8
Concen: 152.216 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 98 Resp: 603264

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.4

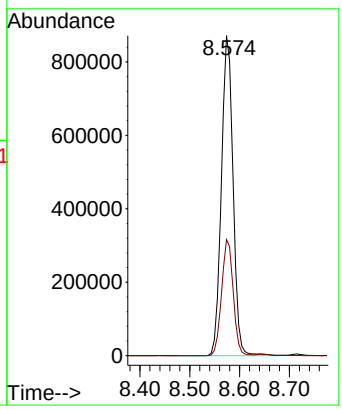




#51
4-Methyl-2-Pentanone
Concen: 728.817 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 43 Resp: 141477

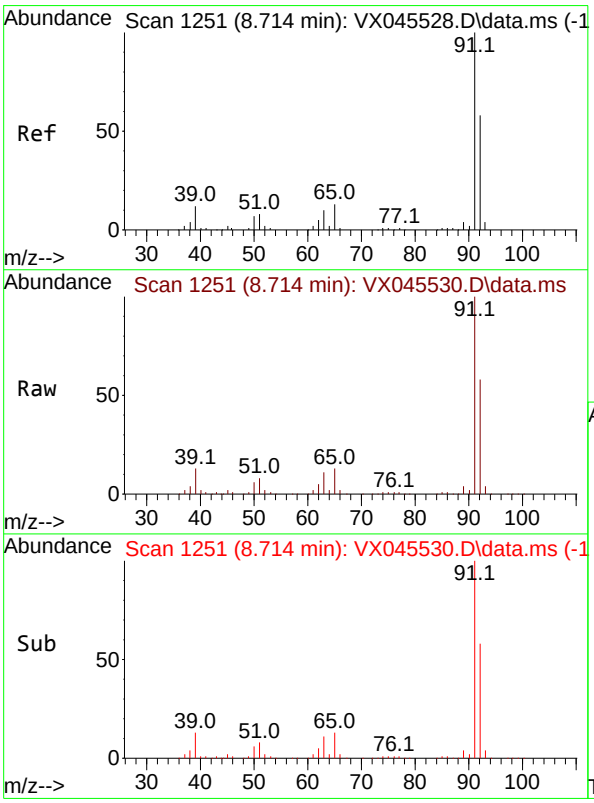
Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

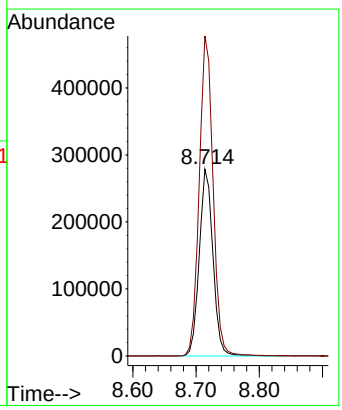
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

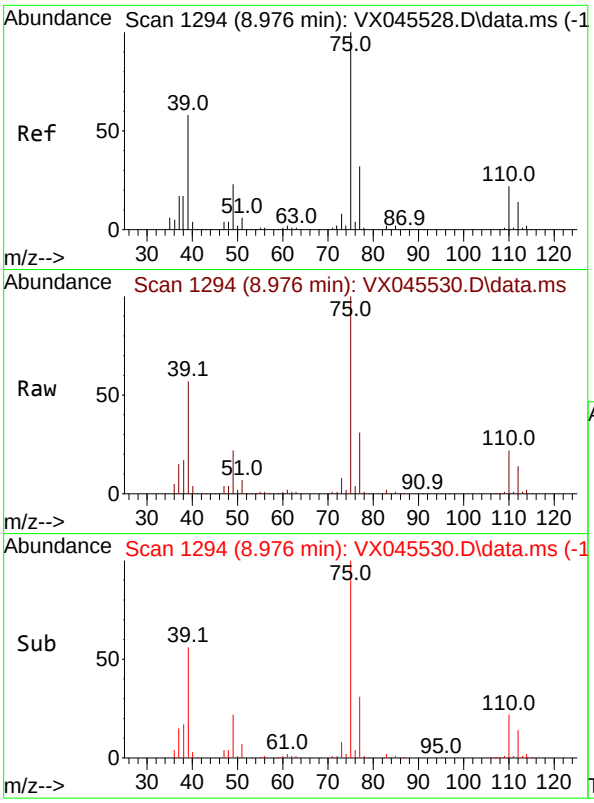


#52
Toluene
Concen: 148.245 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 92 Resp: 420015

Ion	Ratio	Lower	Upper
92	100		
91	173.3	138.7	208.1

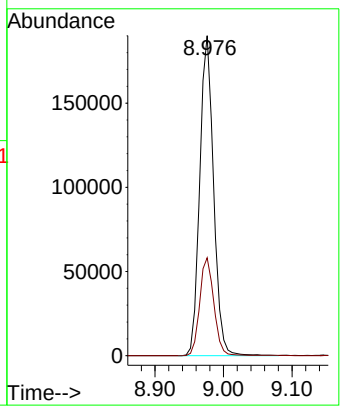




#53
t-1,3-Dichloropropene
Concen: 150.589 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 26767

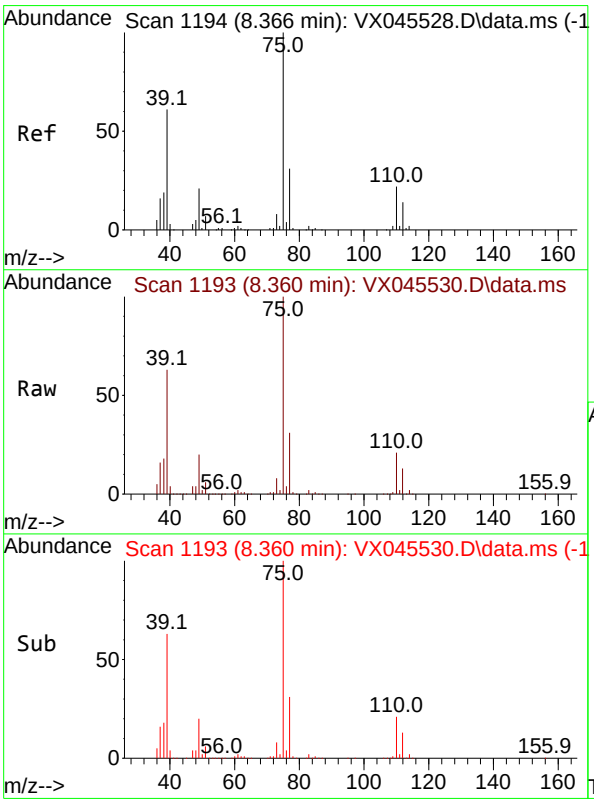
Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

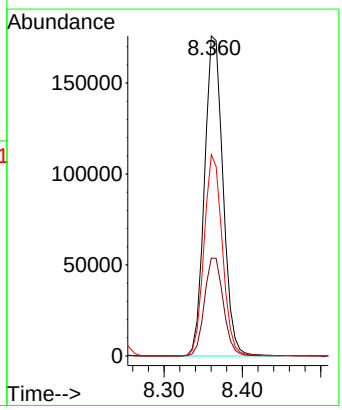
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

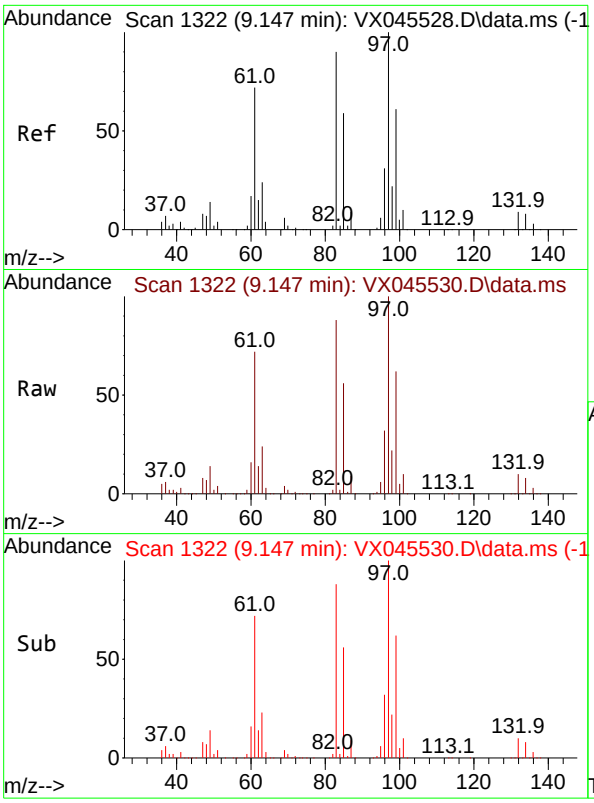


#54
cis-1,3-Dichloropropene
Concen: 171.104 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

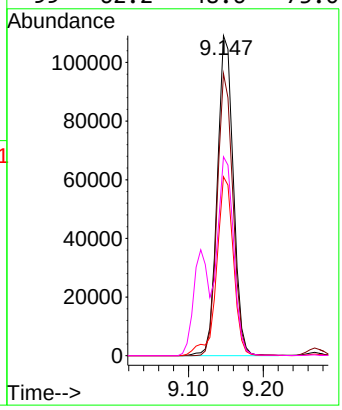




#55
1,1,2-Trichloroethane
Concen: 144.752 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 97 Resp: 16342

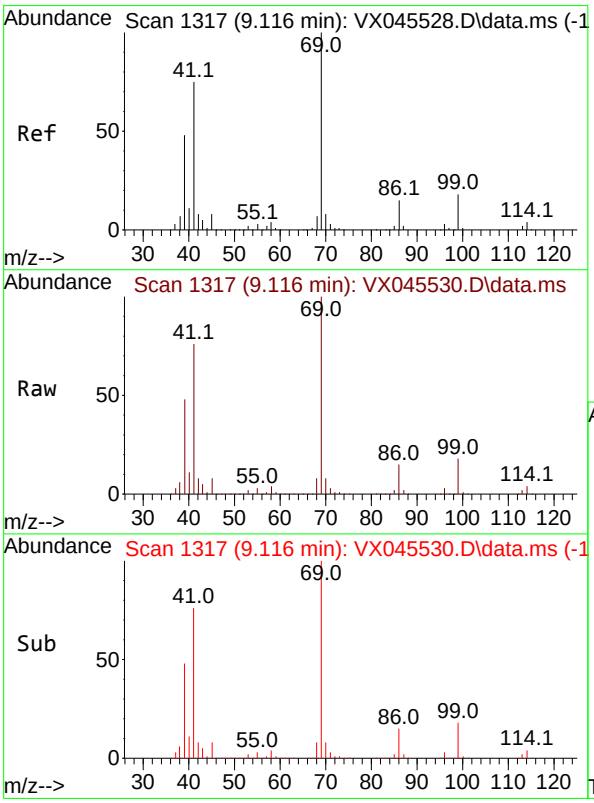
Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.8	107.8
85	55.9	47.0	70.6
99	62.2	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

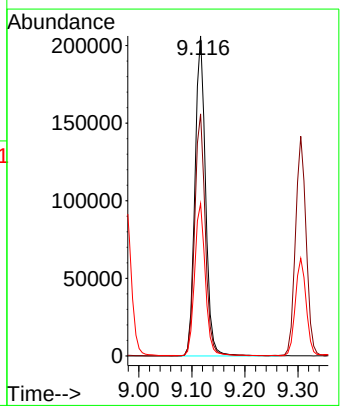
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

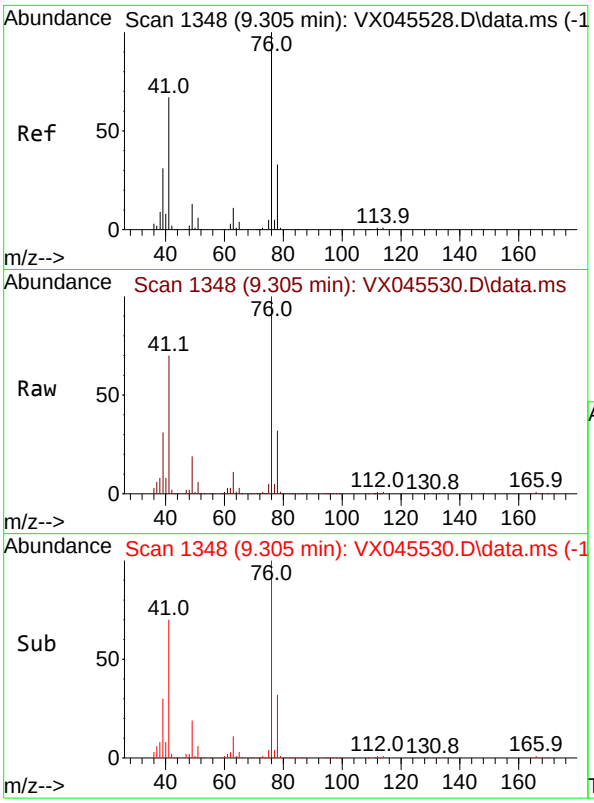


#56
Ethyl methacrylate
Concen: 163.624 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

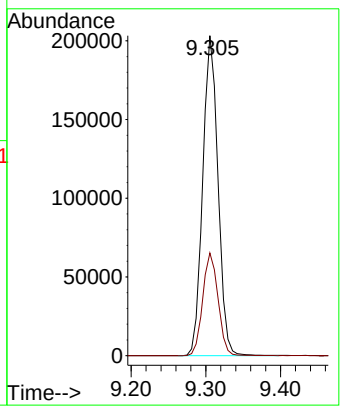




#57
1,3-Dichloropropane
Concen: 146.708 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 76 Resp: 28843

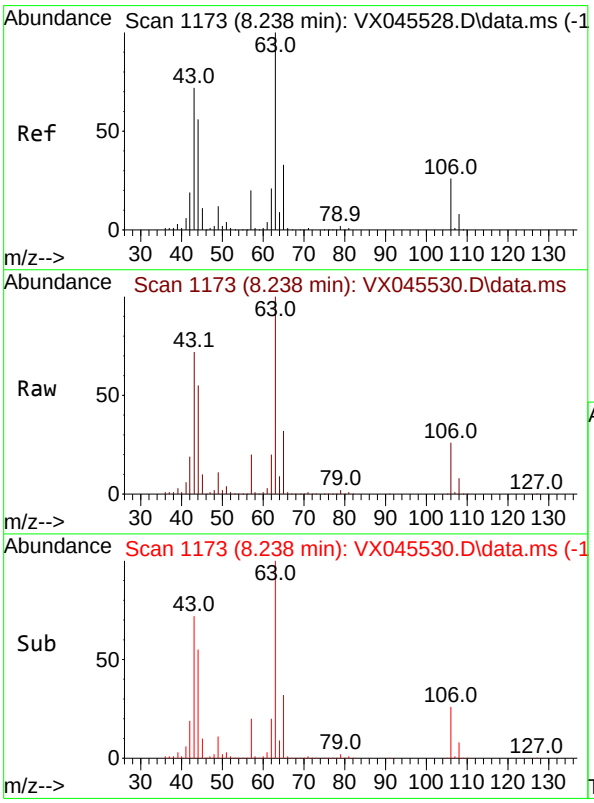
Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

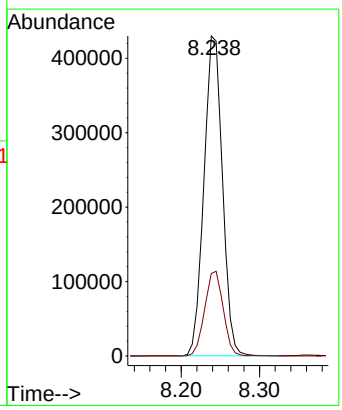
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

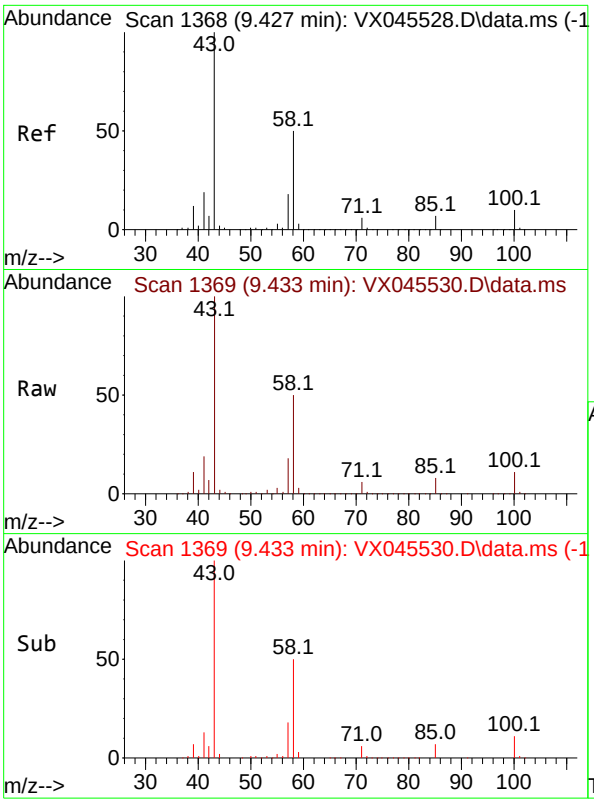


#58
2-Chloroethyl Vinyl ether
Concen: 796.340 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

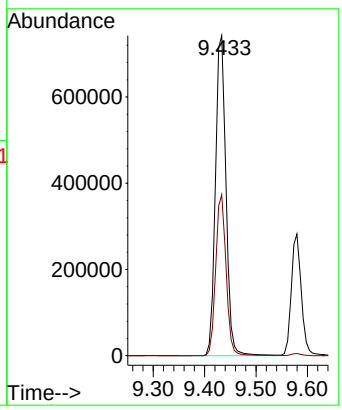
Tgt Ion: 43 Resp: 105397

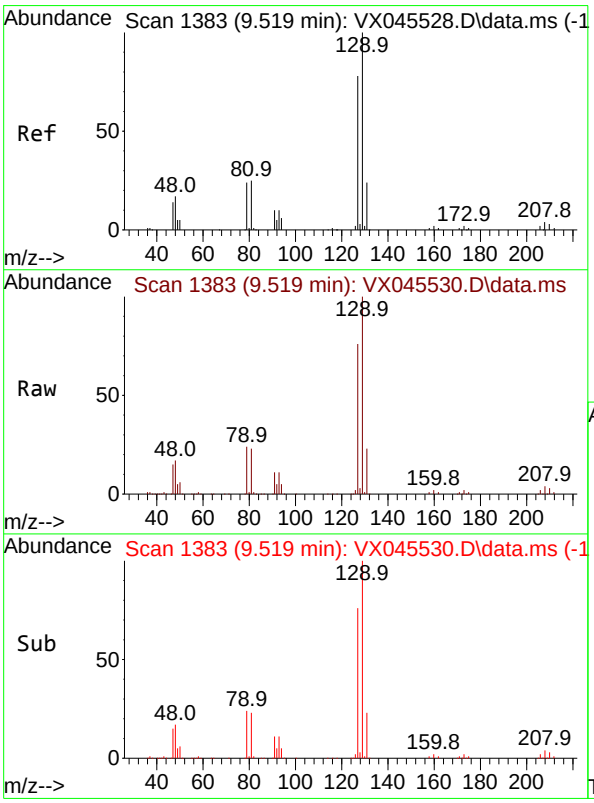
Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

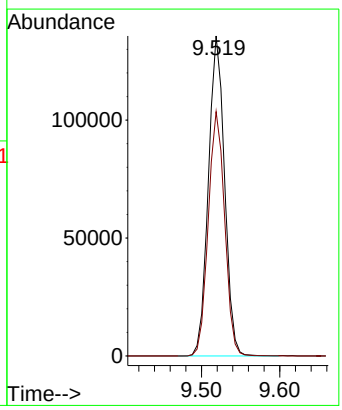


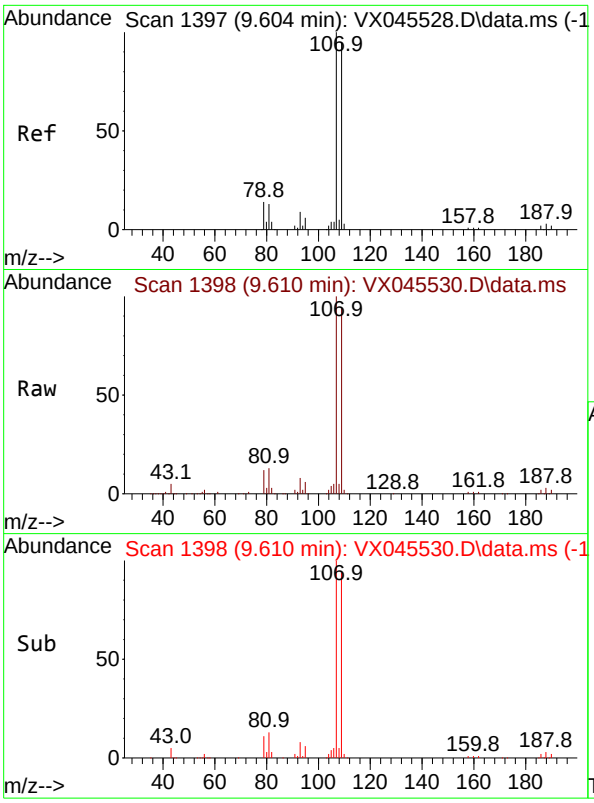


#60
Dibromochloromethane
Concen: 157.895 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:129 Resp: 194342

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.4	118.2

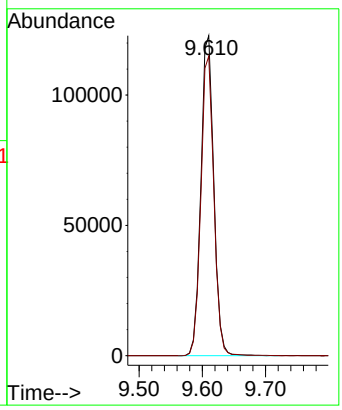




#61
1,2-Dibromoethane
Concen: 152.745 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:107 Resp: 17457

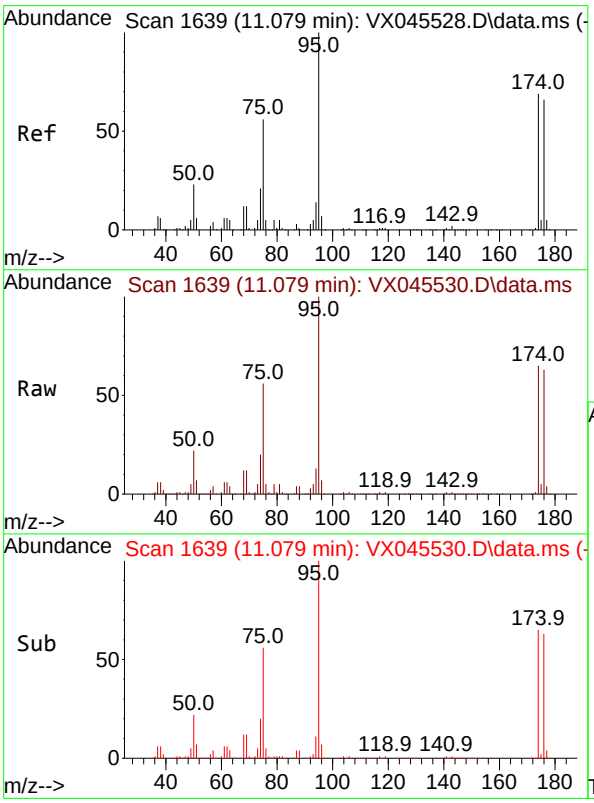
Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

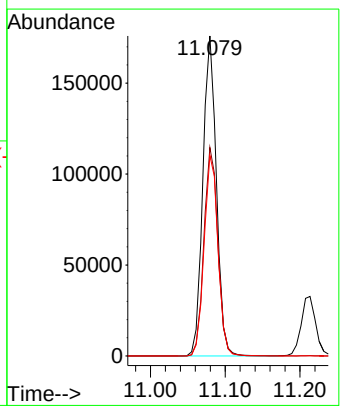
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

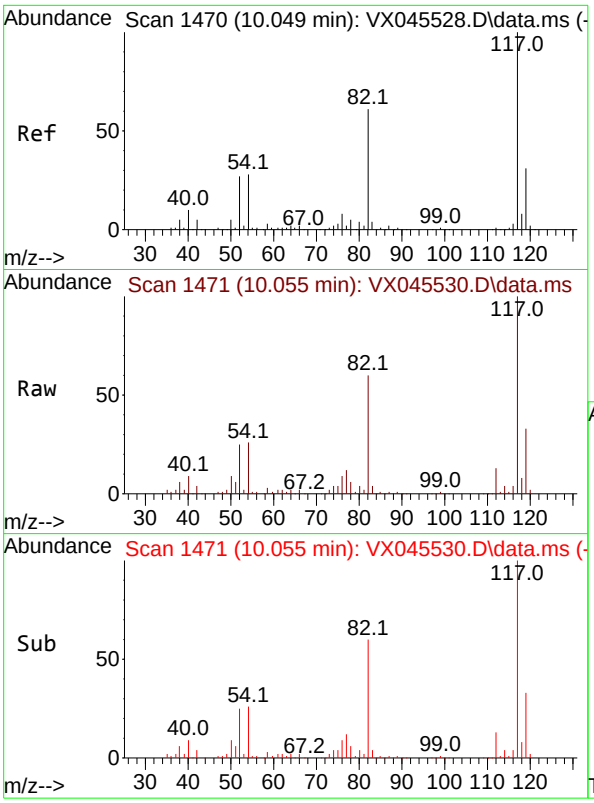


#62
4-Bromofluorobenzene
Concen: 153.035 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

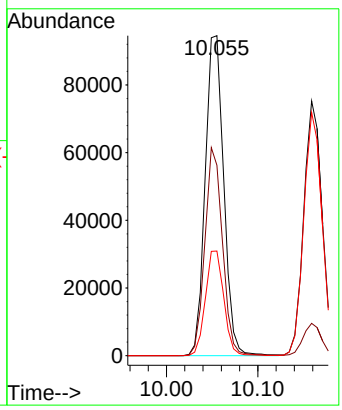
Tgt Ion:117 Resp: 13334

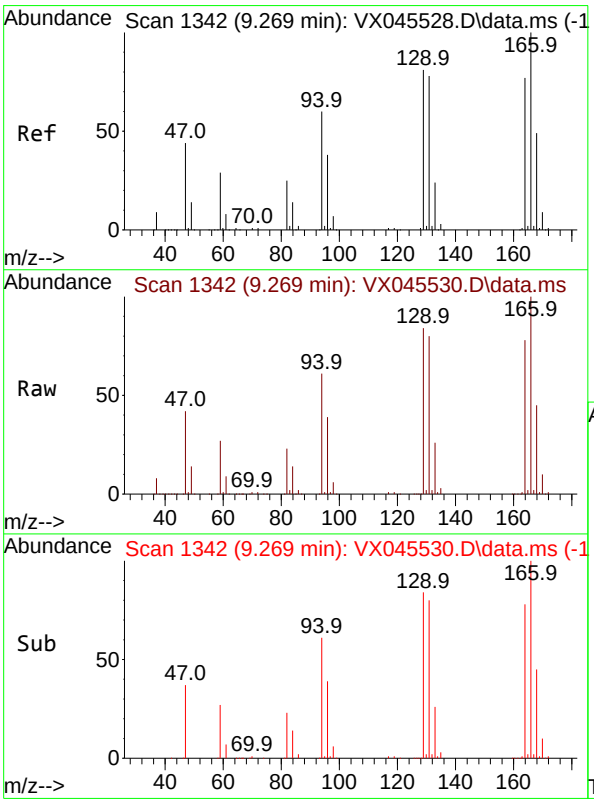
Ion	Ratio	Lower	Upper
117	100		
82	59.5	49.2	73.8
119	32.7	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

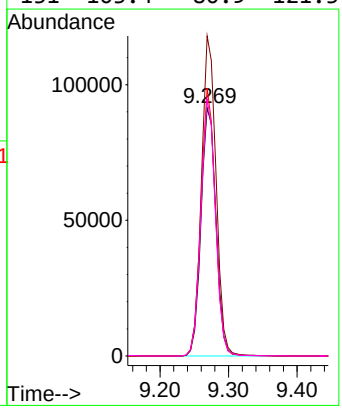


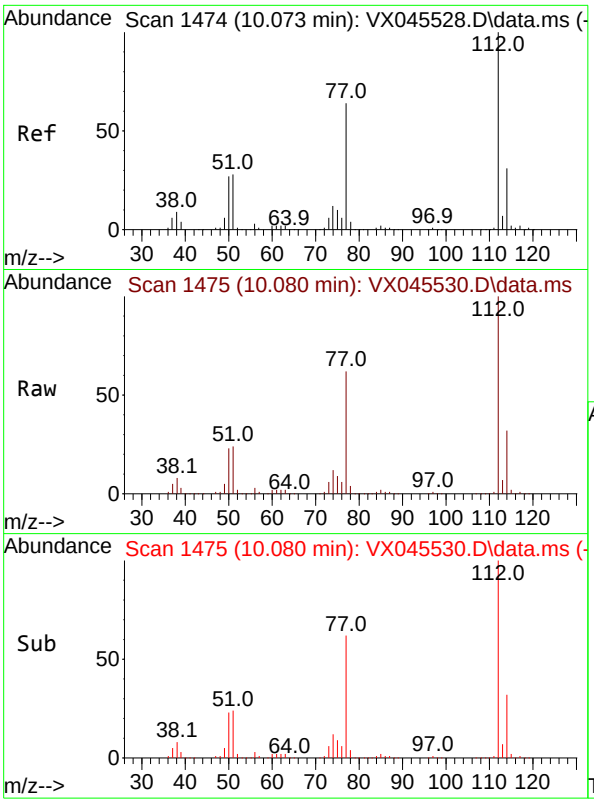


#64
Tetrachloroethene
Concen: 147.568 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

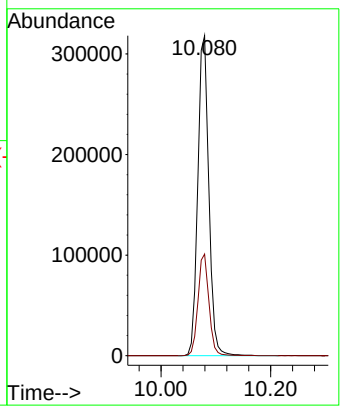




#65
Chlorobenzene
Concen: 156.049 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:112 Resp: 44463

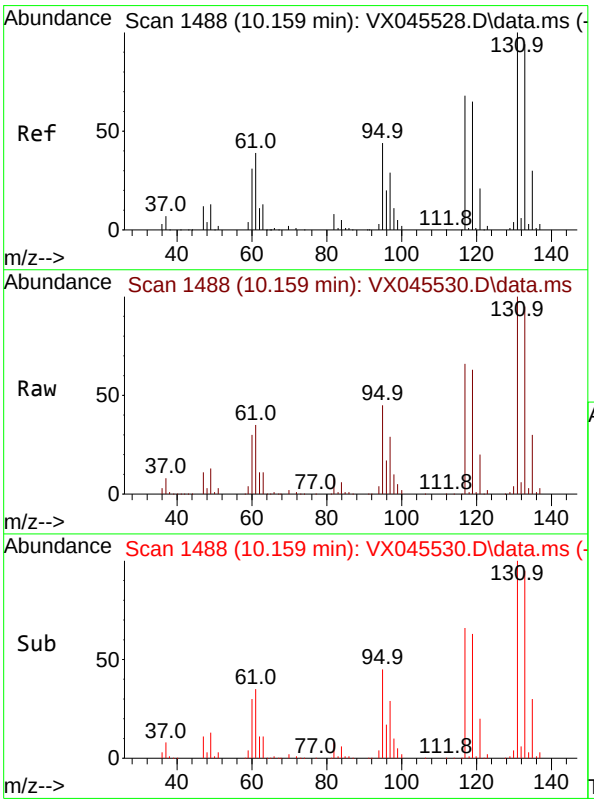
Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

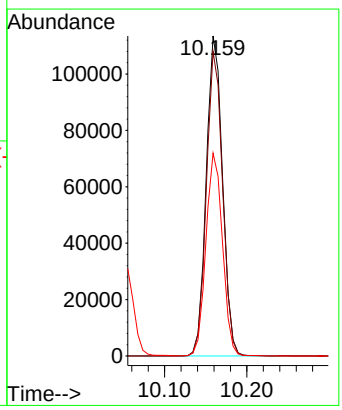
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

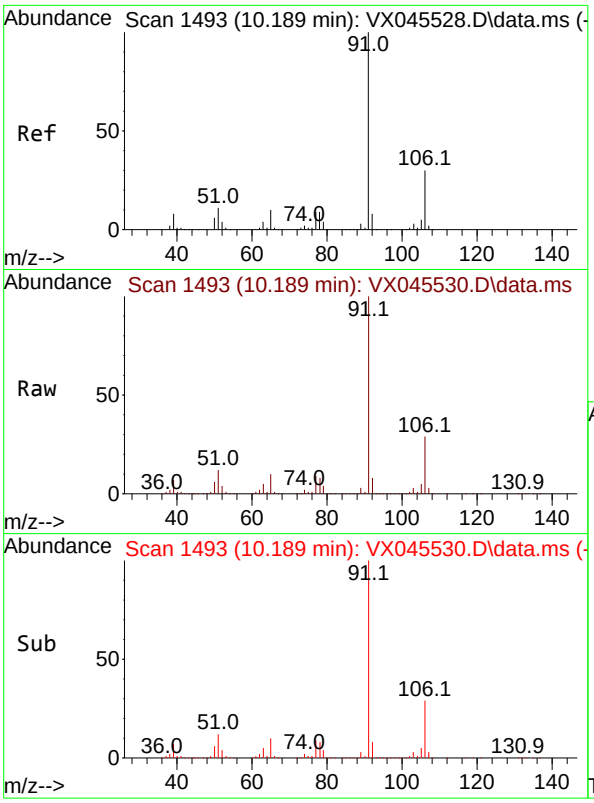


#66
1,1,1,2-Tetrachloroethane
Concen: 157.769 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

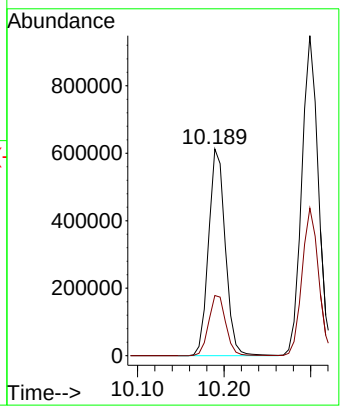




#67
Ethyl Benzene
Concen: 160.907 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 91 Resp: 82113

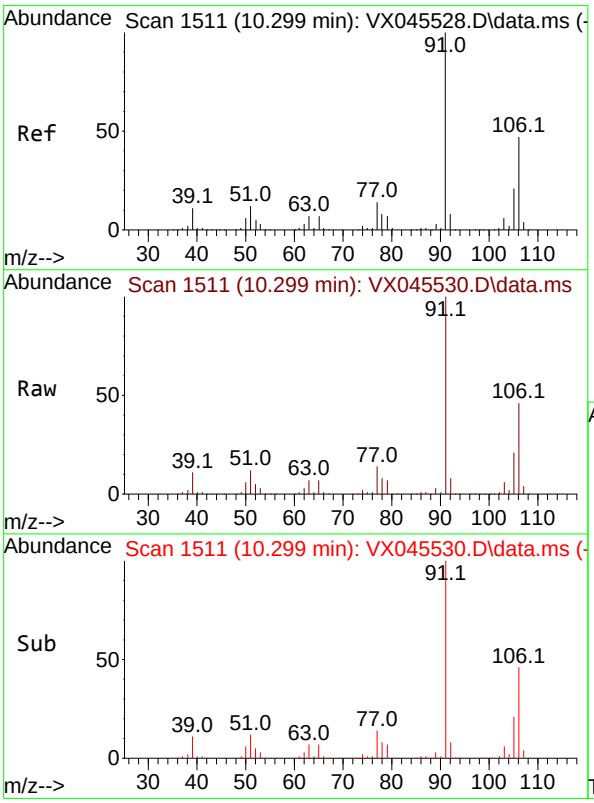
Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

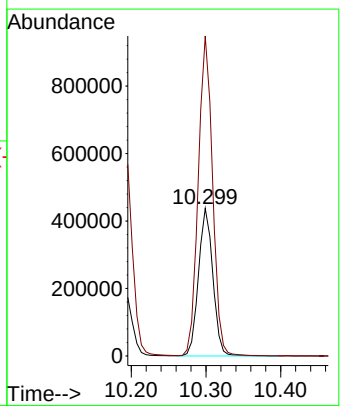
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

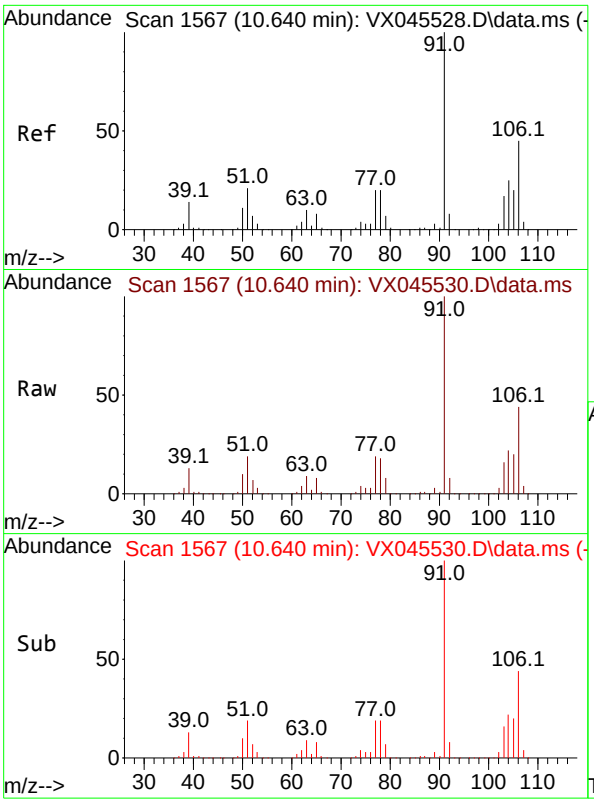


#68
m/p-Xylenes
Concen: 314.231 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:106 Resp: 583228

Ion	Ratio	Lower	Upper
106	100		
91	216.7	172.6	258.8

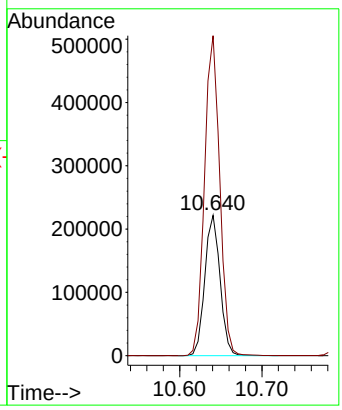




#69
o-Xylene
Concen: 156.241 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:106 Resp: 28567

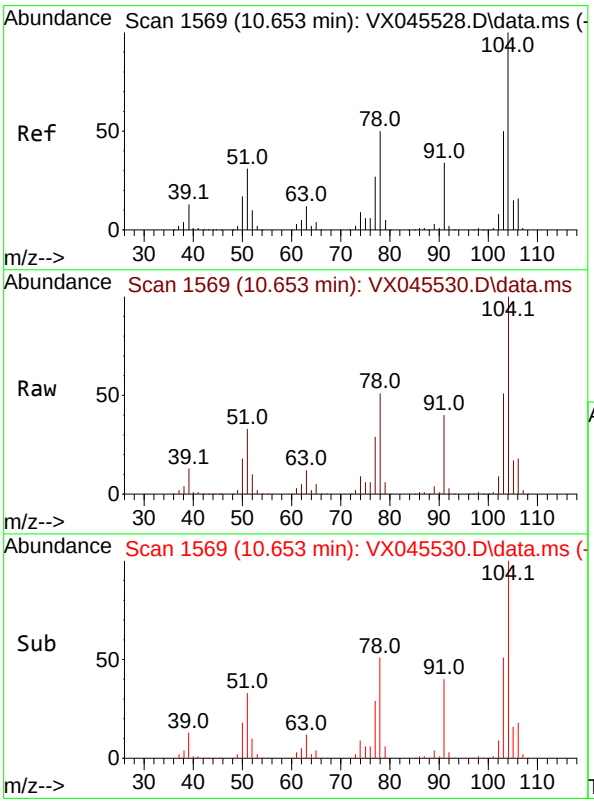
Ion	Ratio	Lower	Upper
106	100		
91	227.6	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

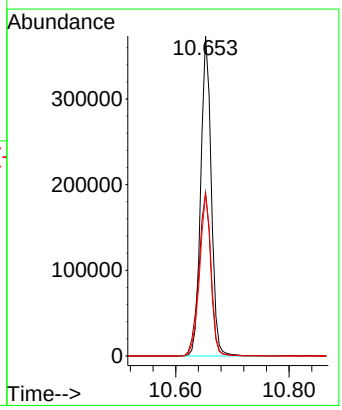
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

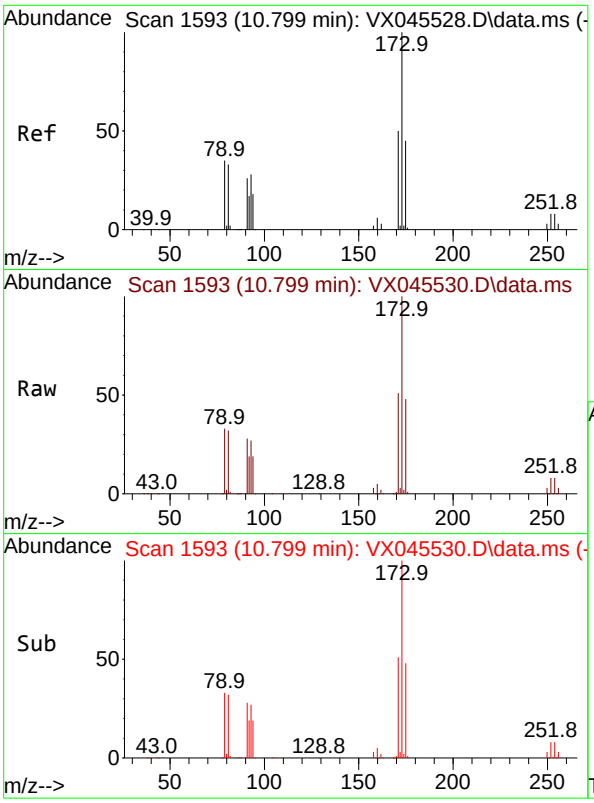


#70
Styrene
Concen: 159.299 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

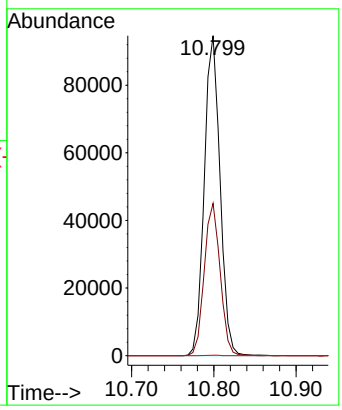




#71
Bromoform
Concen: 170.743 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:173 Resp: 12611

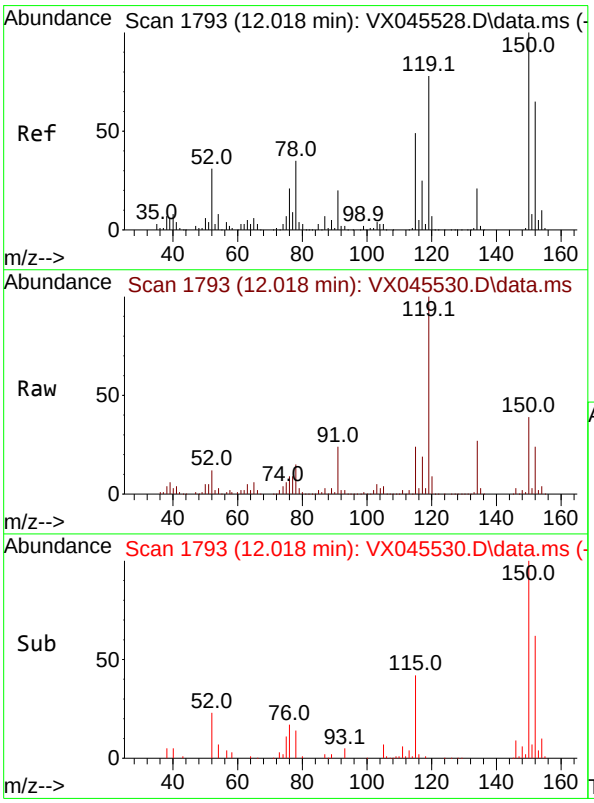
Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.4	70.2
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

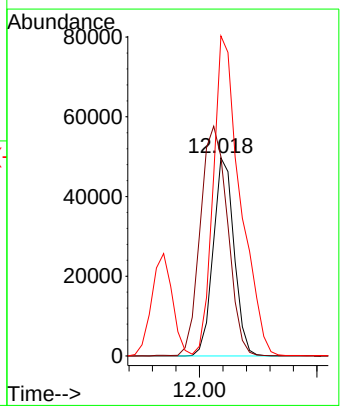
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

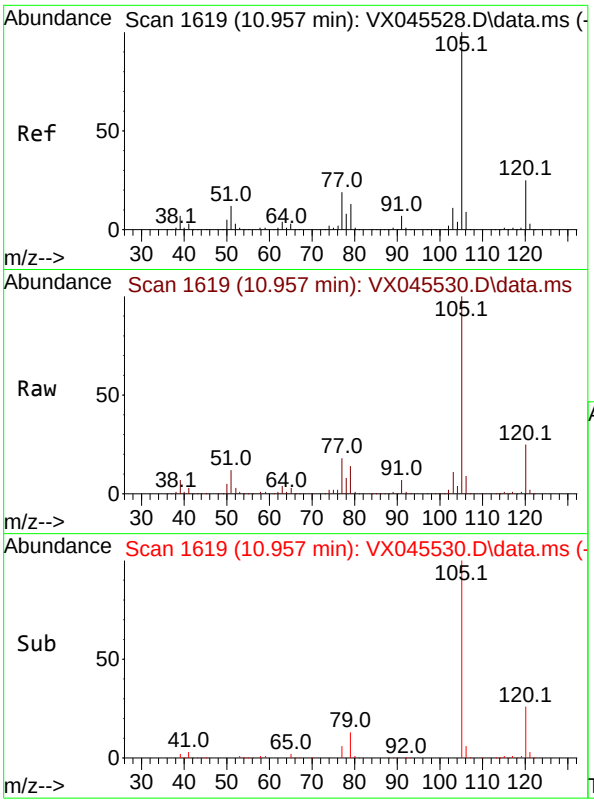


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

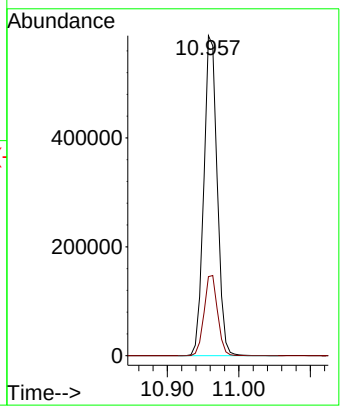




#73
Isopropylbenzene
Concen: 155.475 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:105 Resp: 76440

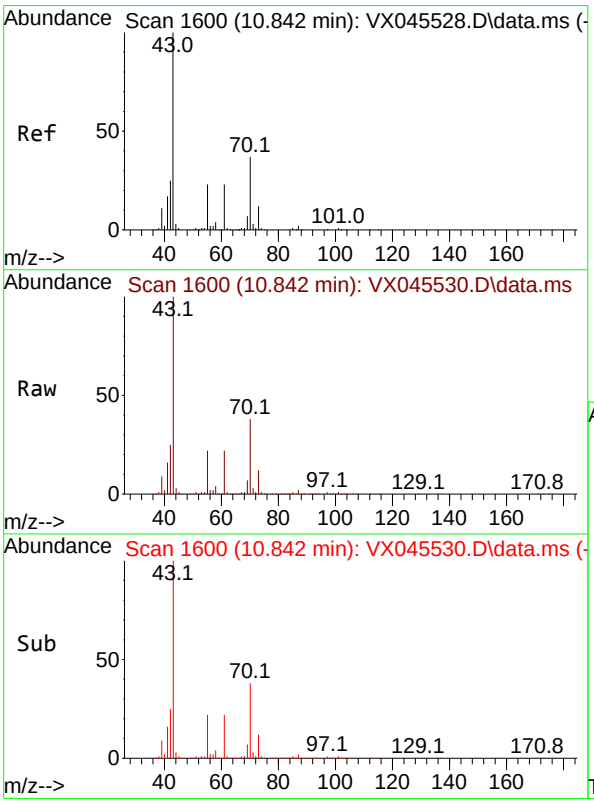
Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

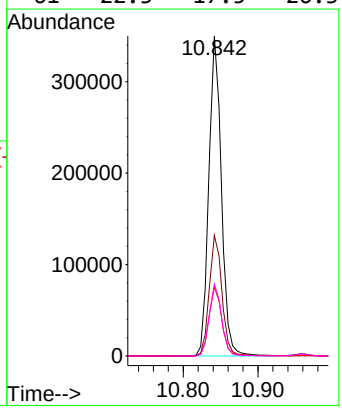
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

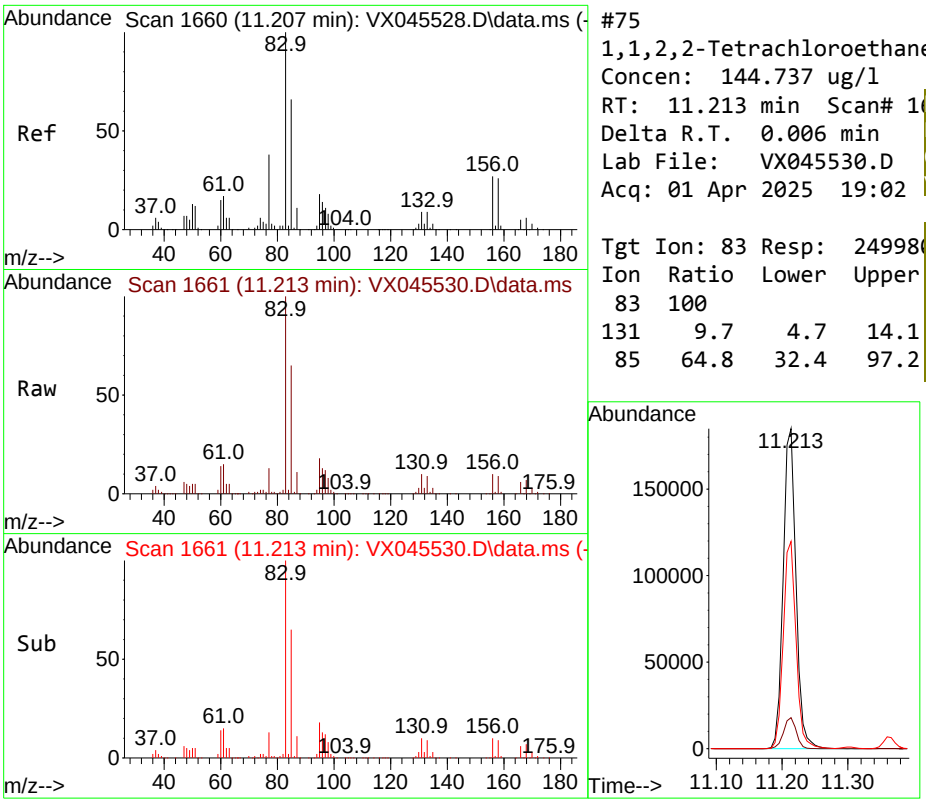


#74
N-amyl acetate
Concen: 173.877 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

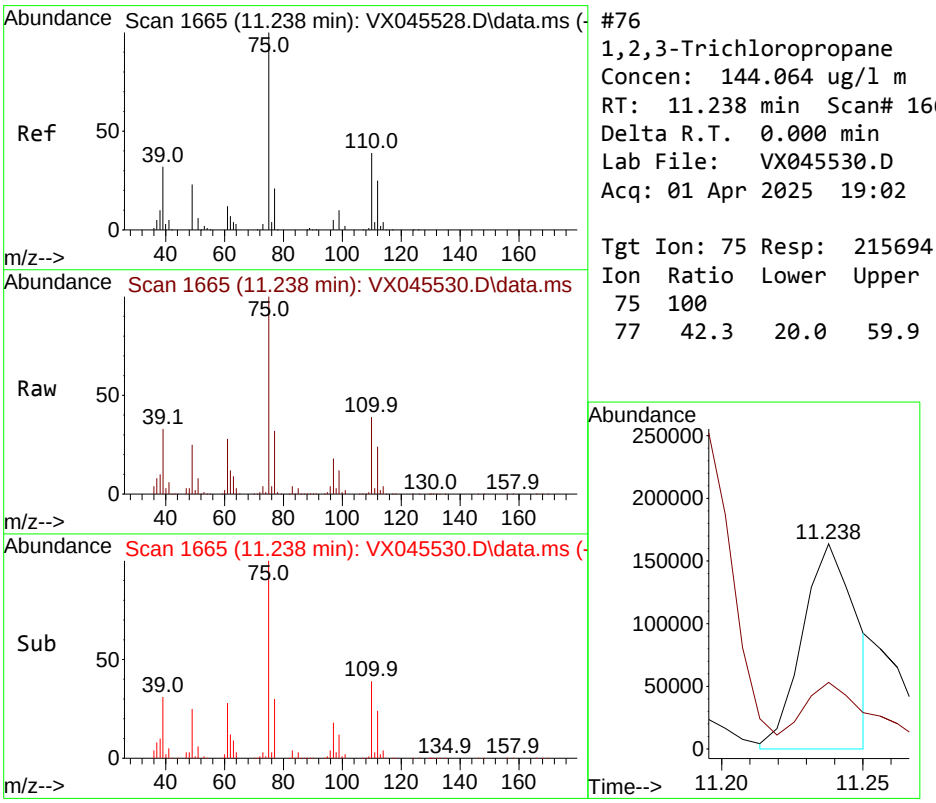
Tgt Ion: 83 Resp: 24998

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

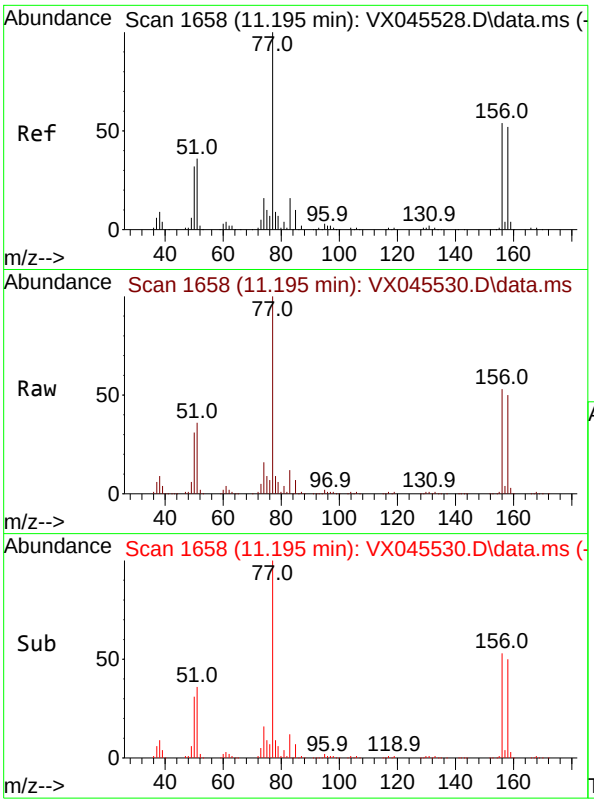
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#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

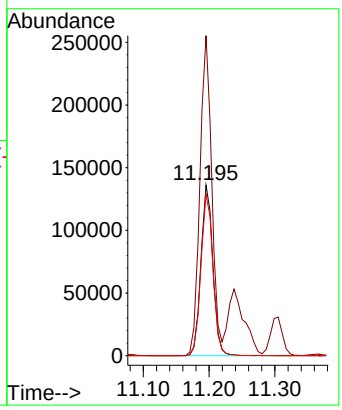
Ion	Ratio	Lower	Upper
75	100		
77	42.3	20.0	59.9



#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

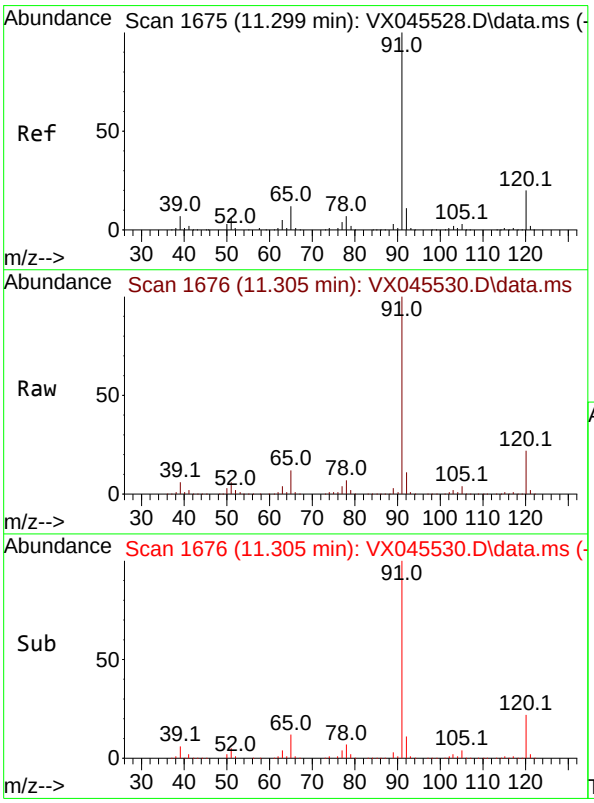
Ion	Ratio	Lower	Upper
156	100		
77	185.8	92.6	277.8
158	95.3	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

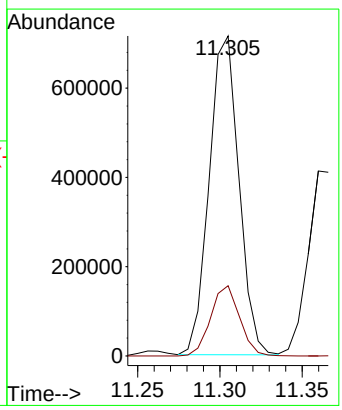
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

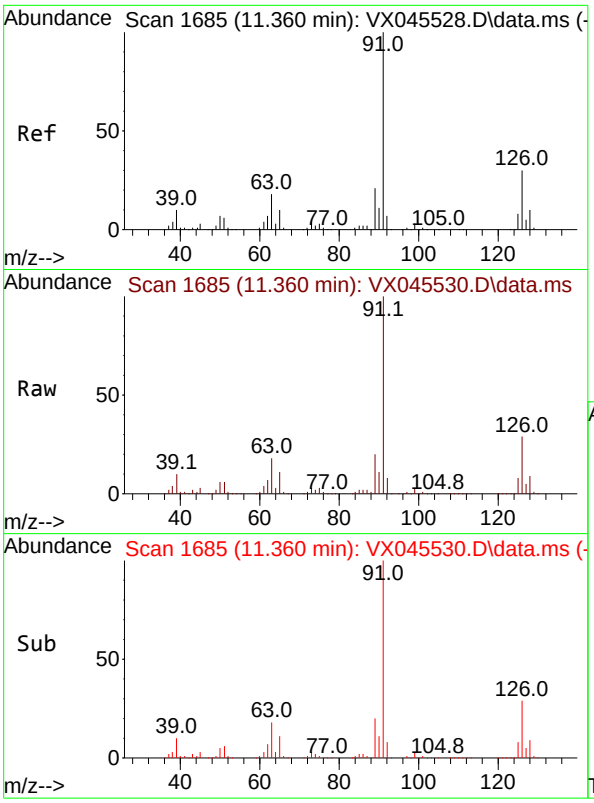


#78
n-propylbenzene
Concen: 158.408 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

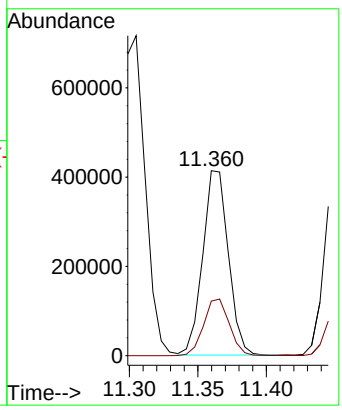
Tgt Ion: 91 Resp: 53726

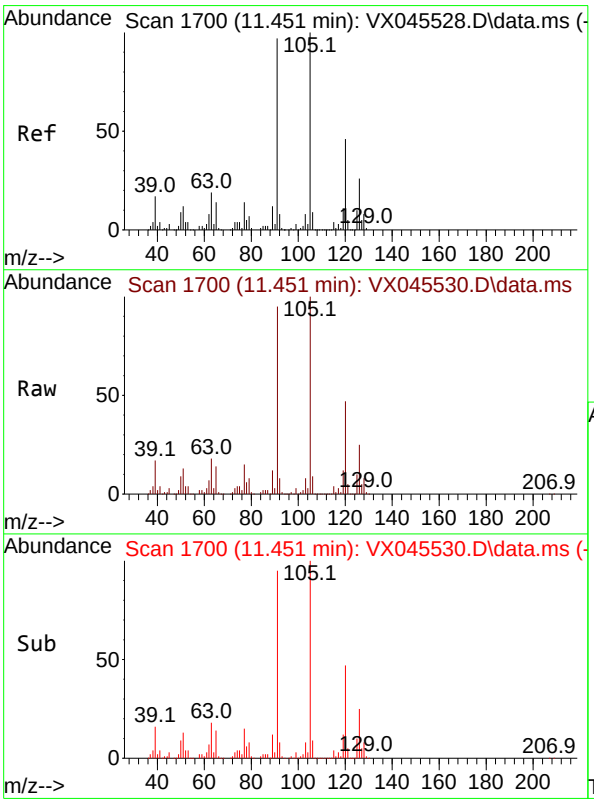
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

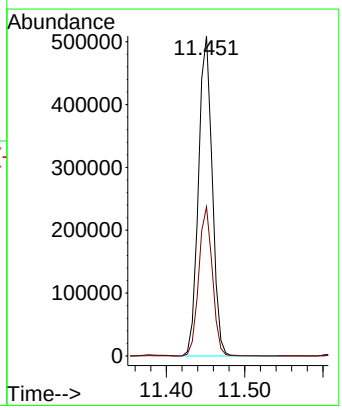


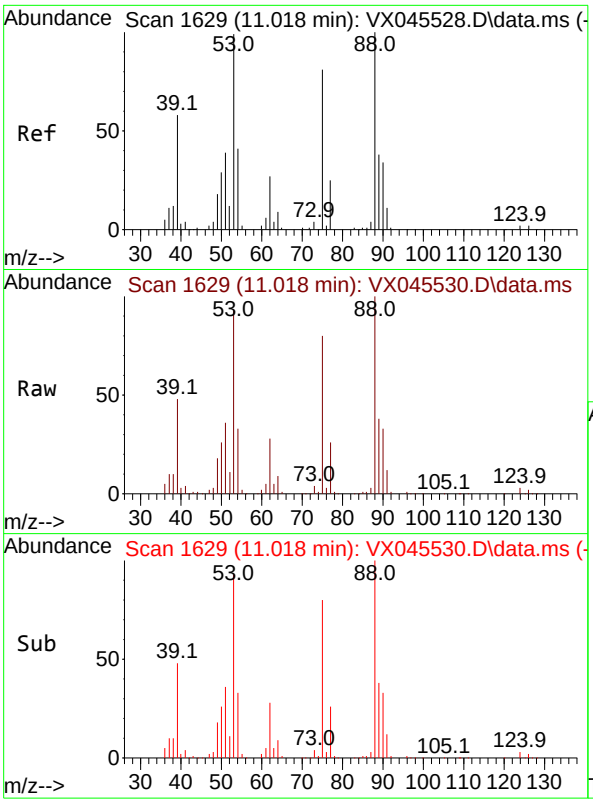


#80
1,3,5-Trimethylbenzene
Concen: 152.700 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:105 Resp: 620819

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0

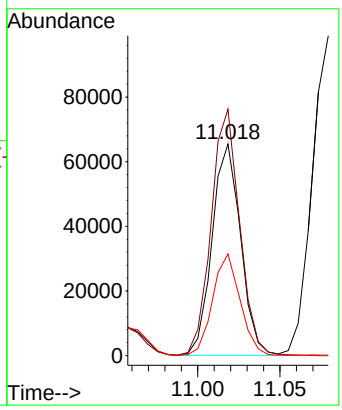




#81
trans-1,4-Dichloro-2-butene
Concen: 178.636 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 75 Resp: 7880

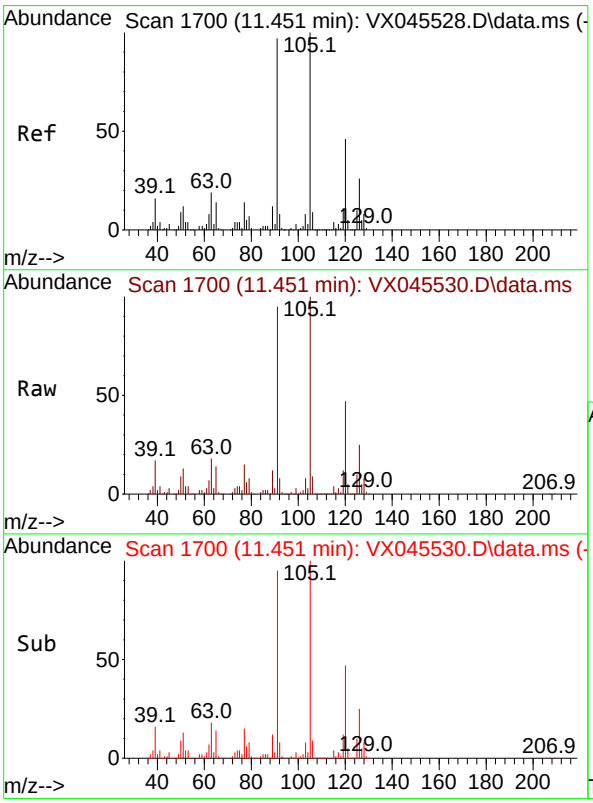
Ion	Ratio	Lower	Upper
75	100		
53	116.0	101.8	152.6
89	46.8	37.2	55.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

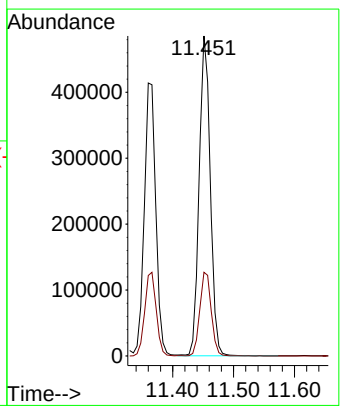
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

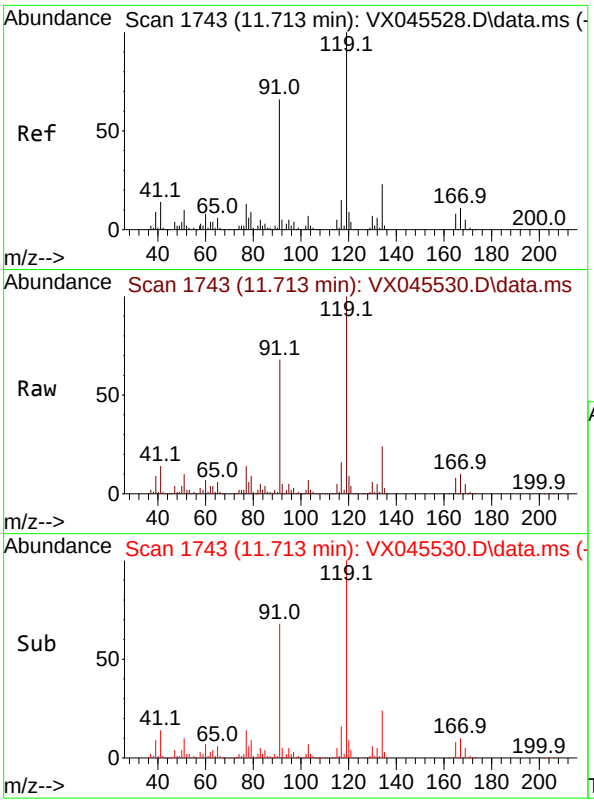


#82
4-Chlorotoluene
Concen: 152.505 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 91 Resp: 615594

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.9

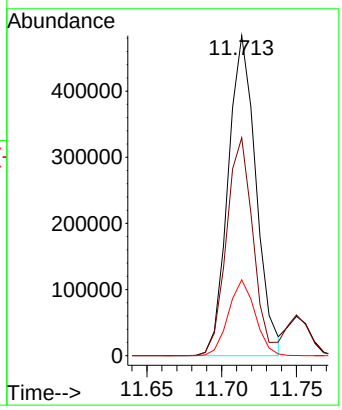




#83
tert-Butylbenzene
Concen: 155.783 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:119 Resp: 62703

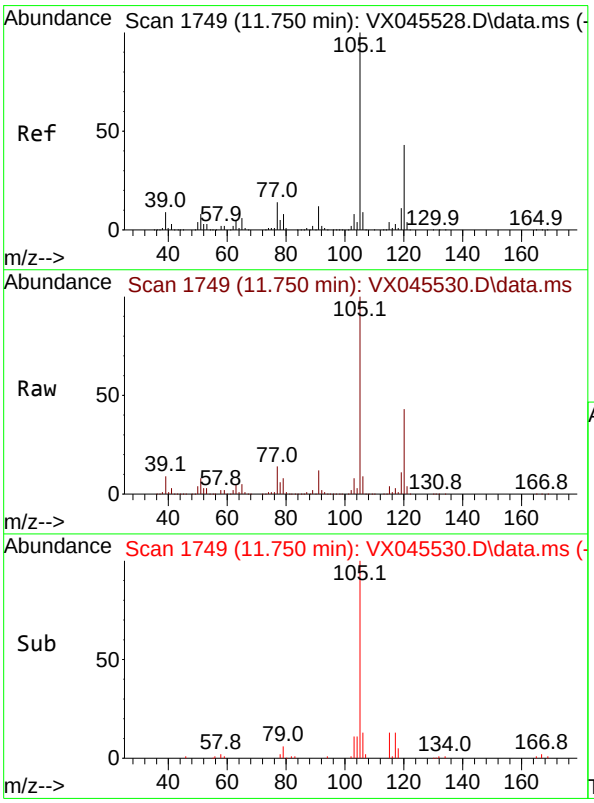
Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.4	97.2
134	22.7	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

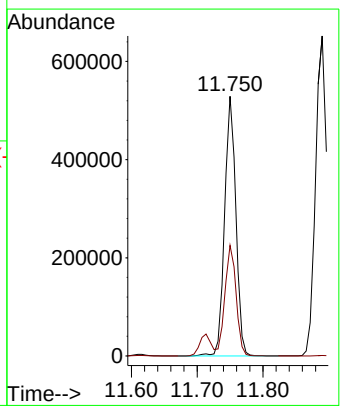
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

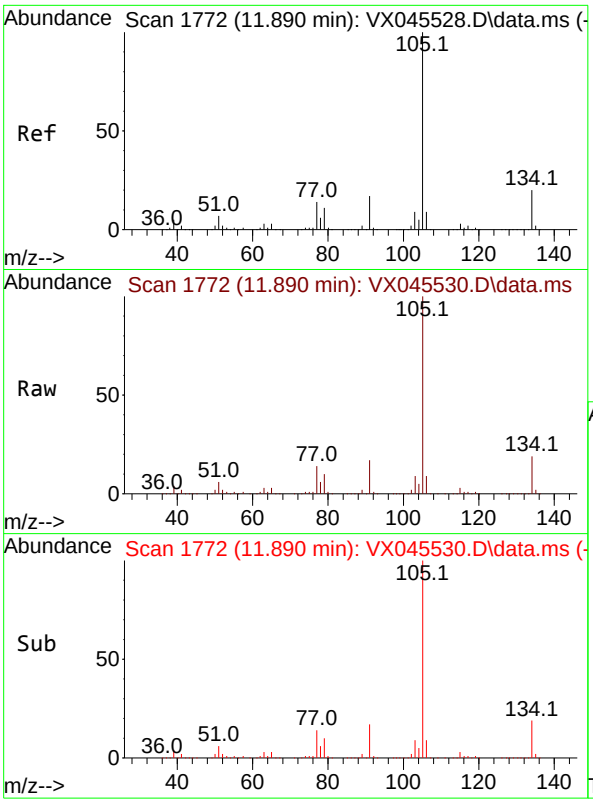


#84
1,2,4-Trimethylbenzene
Concen: 154.317 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:105 Resp: 629704

Ion	Ratio	Lower	Upper
105	100		
120	42.7	21.4	64.3

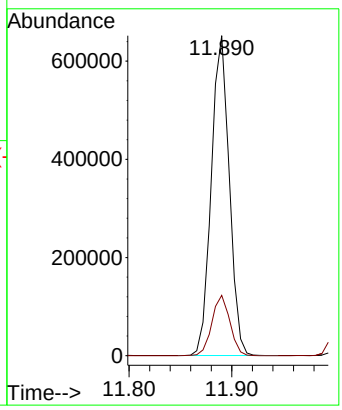




#85
sec-Butylbenzene
Concen: 159.869 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:105 Resp: 79035

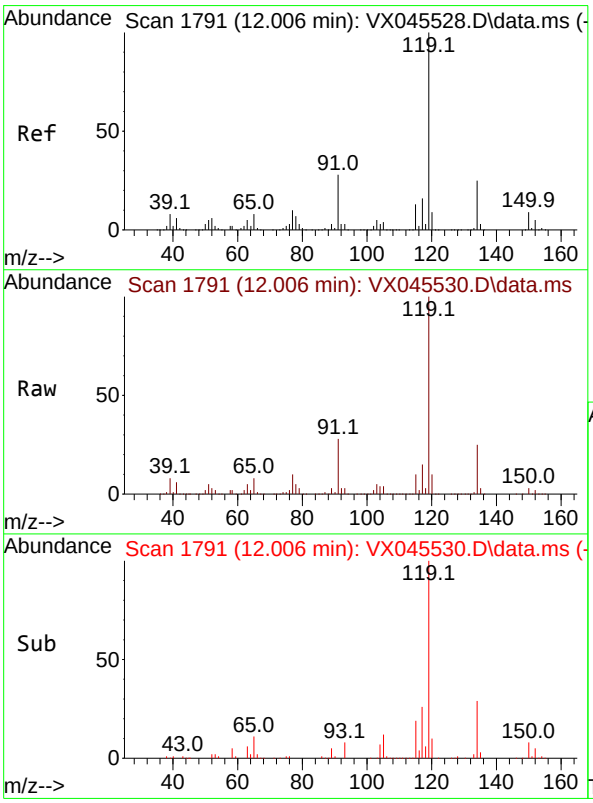
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

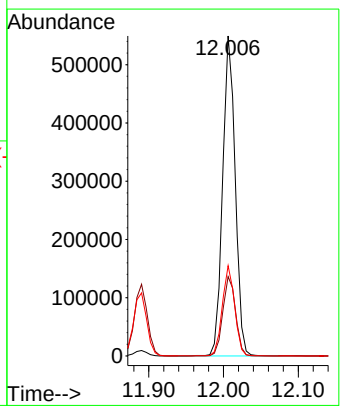
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

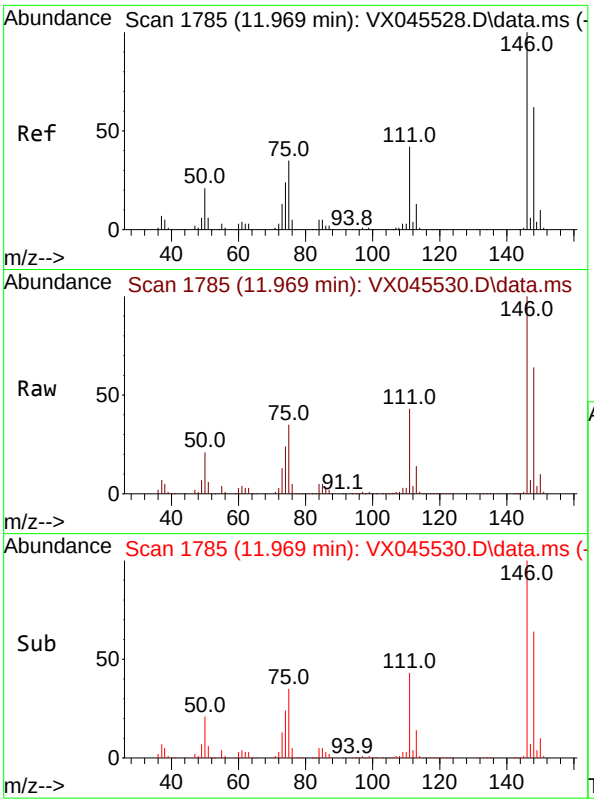


#86
p-Isopropyltoluene
Concen: 157.397 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

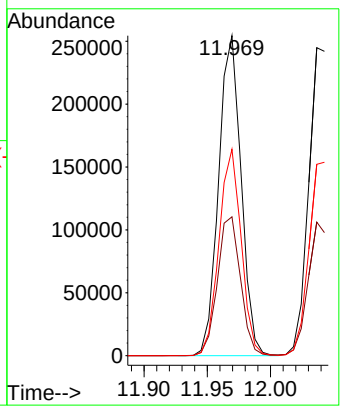
Tgt Ion:146 Resp: 31407

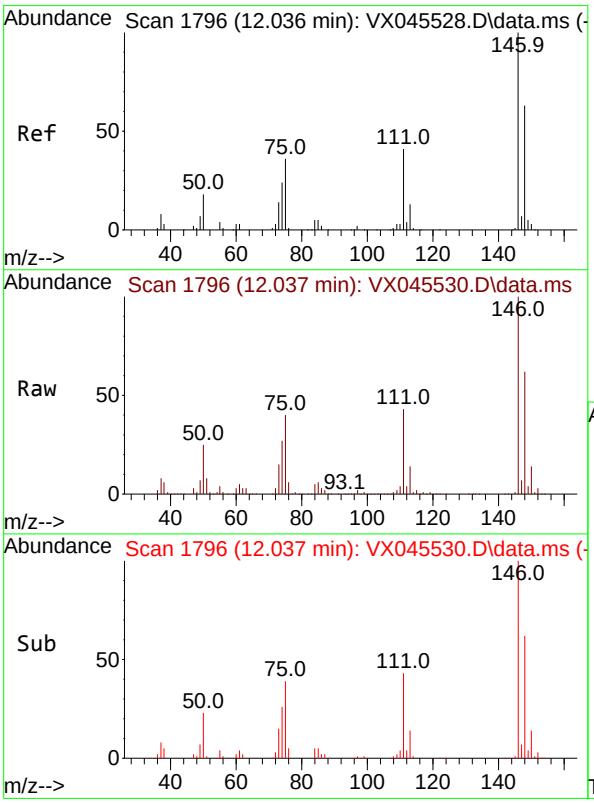
Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.2	66.6
148	63.6	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

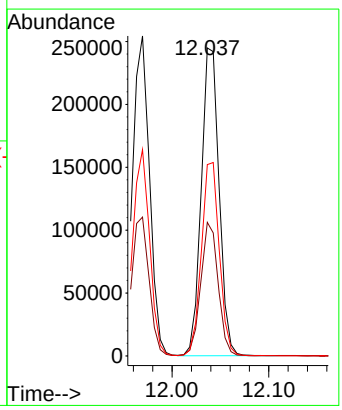


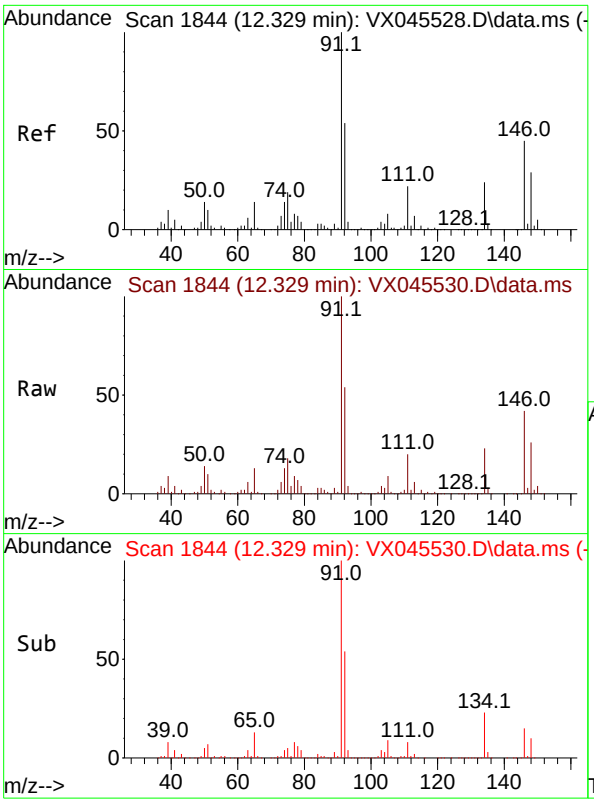


#88
1,4-Dichlorobenzene
Concen: 149.876 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

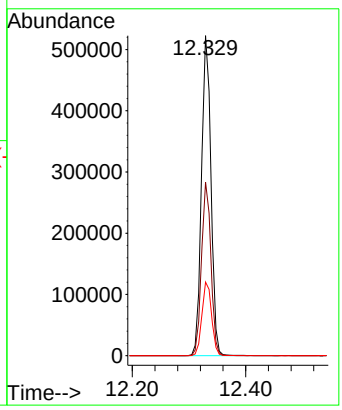




#89
n-Butylbenzene
Concen: 171.019 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion: 91 Resp: 60444

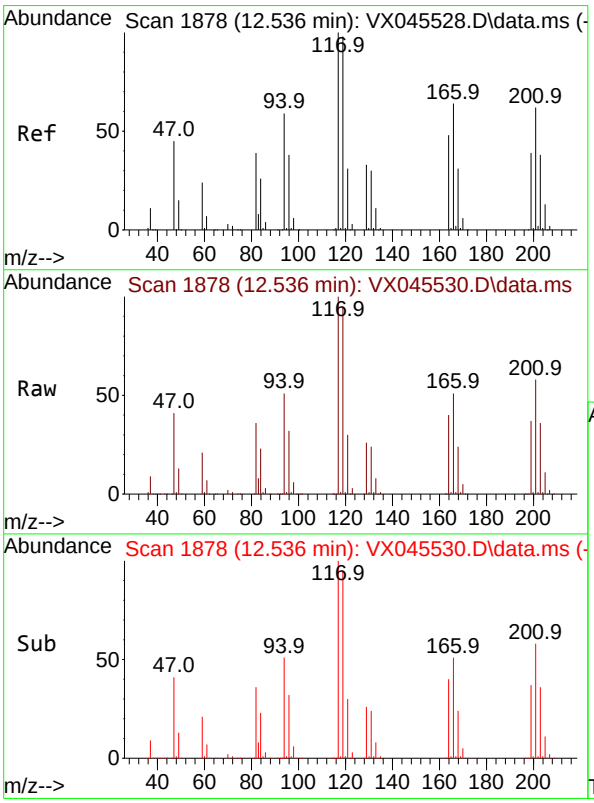
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.9	80.6
134	23.6	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

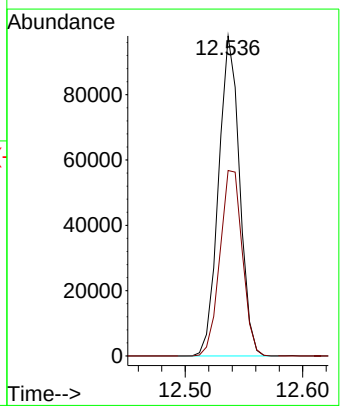
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

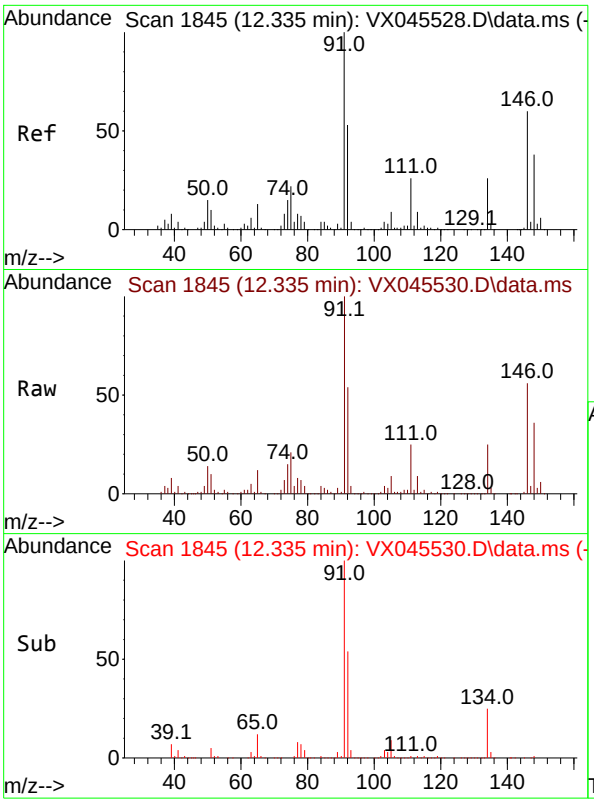


#90
Hexachloroethane
Concen: 173.829 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:117 Resp: 121761

Ion	Ratio	Lower	Upper
117	100		
201	61.9	31.2	93.6

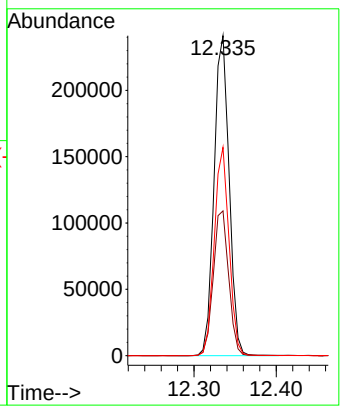




#91
1,2-Dichlorobenzene
Concen: 149.342 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:146 Resp: 30703

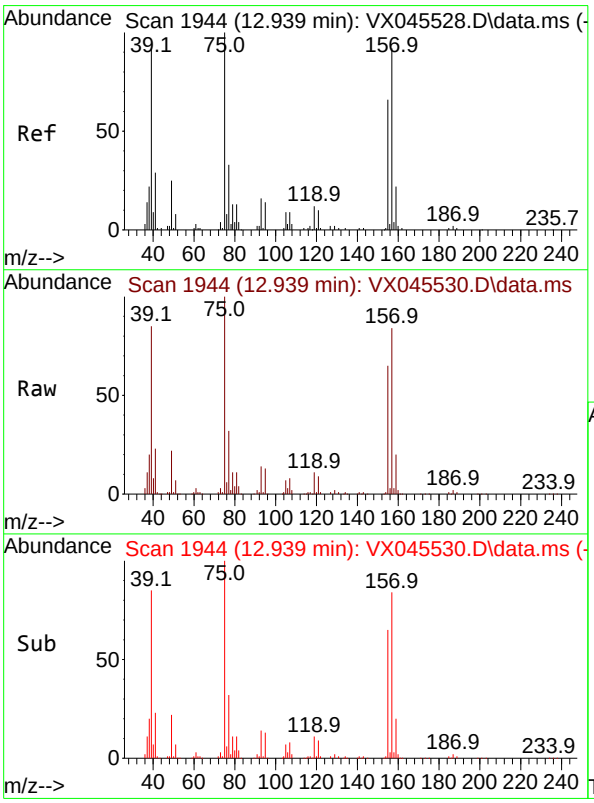
Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.9	68.8
148	63.8	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

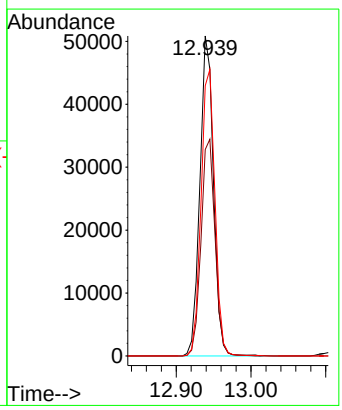
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

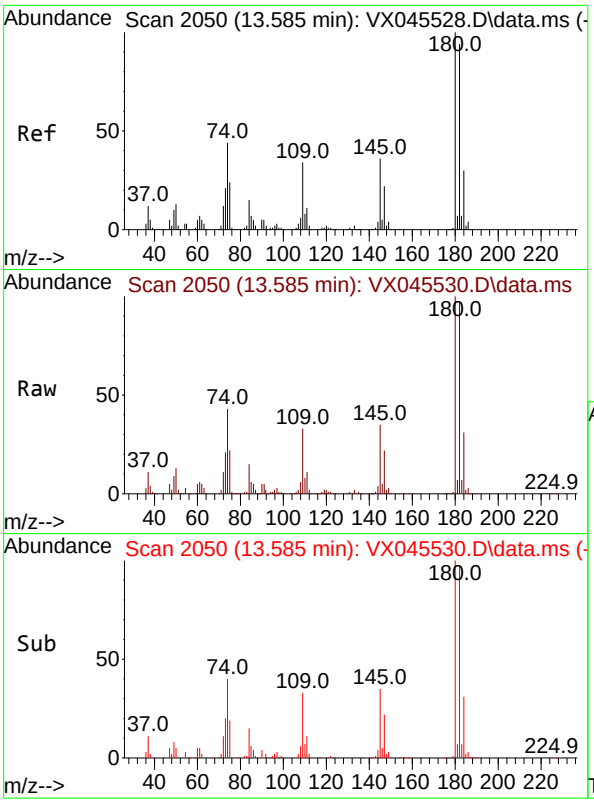


#92
1,2-Dibromo-3-Chloropropane
Concen: 178.062 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

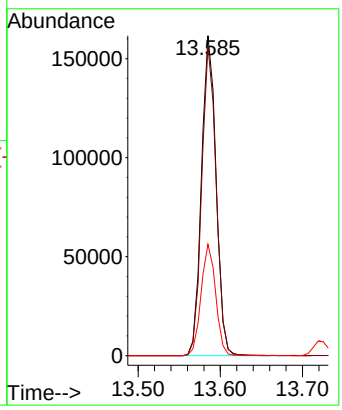




#93
1,2,4-Trichlorobenzene
Concen: 174.213 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:180 Resp: 19936

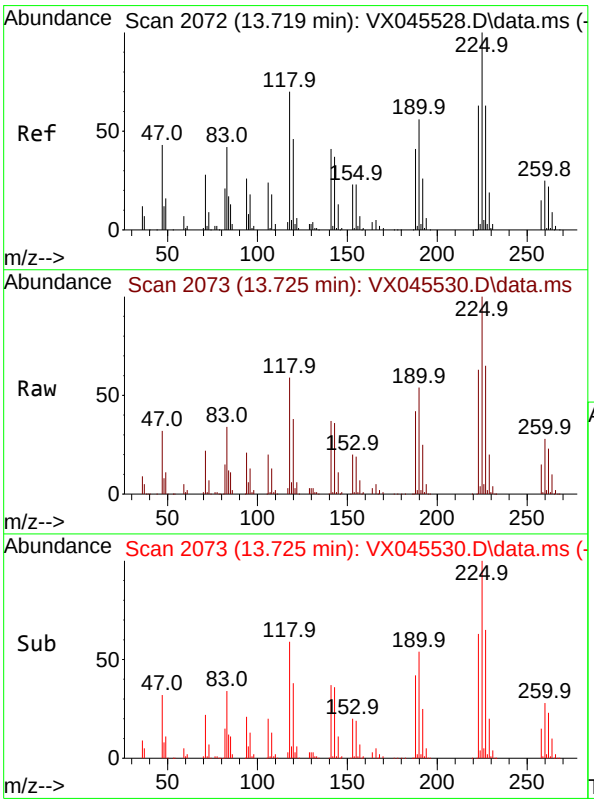
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	34.6	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

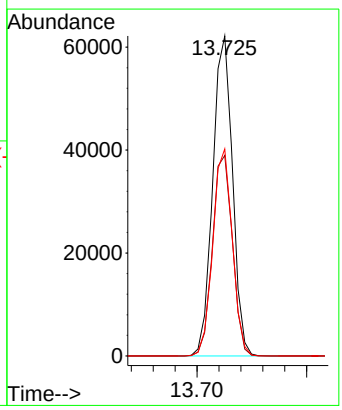
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

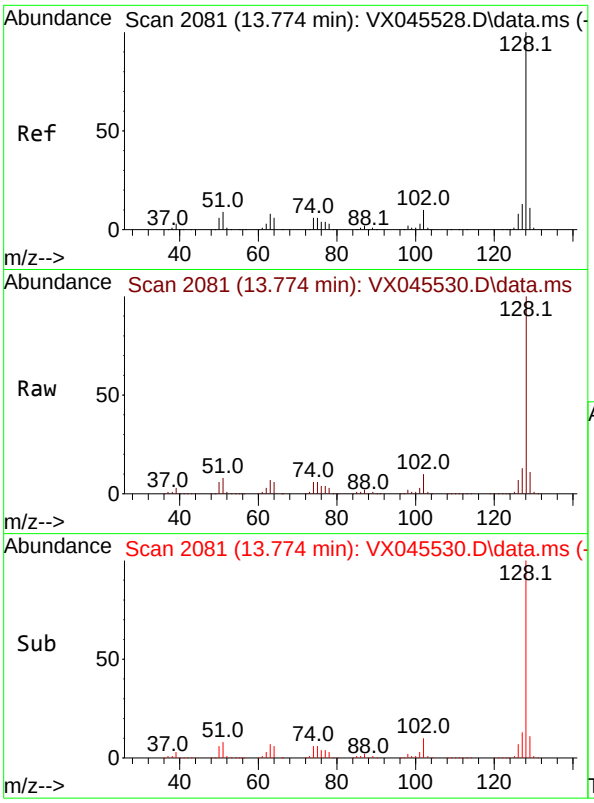


#94
Hexachlorobutadiene
Concen: 157.752 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

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

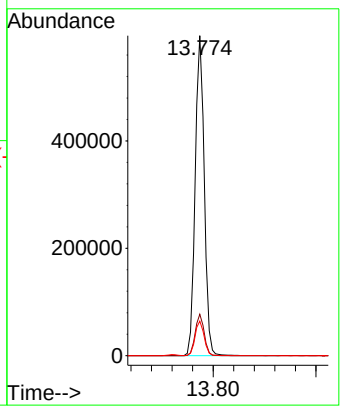




#95
Naphthalene
Concen: 172.191 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045530.D
Acq: 01 Apr 2025 19:02

Tgt Ion:128 Resp: 73330

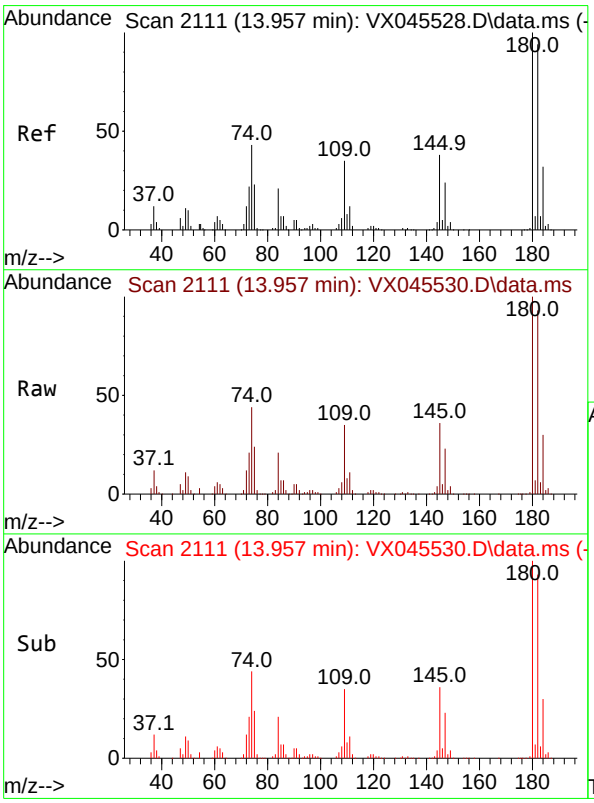
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

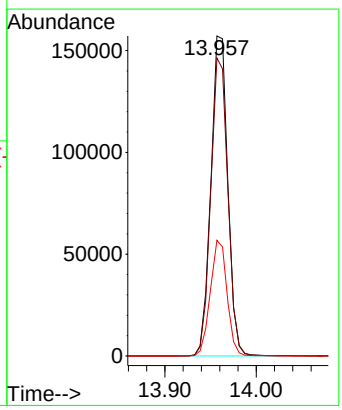
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#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



Quantitation Report (QT Reviewed)

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

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)
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

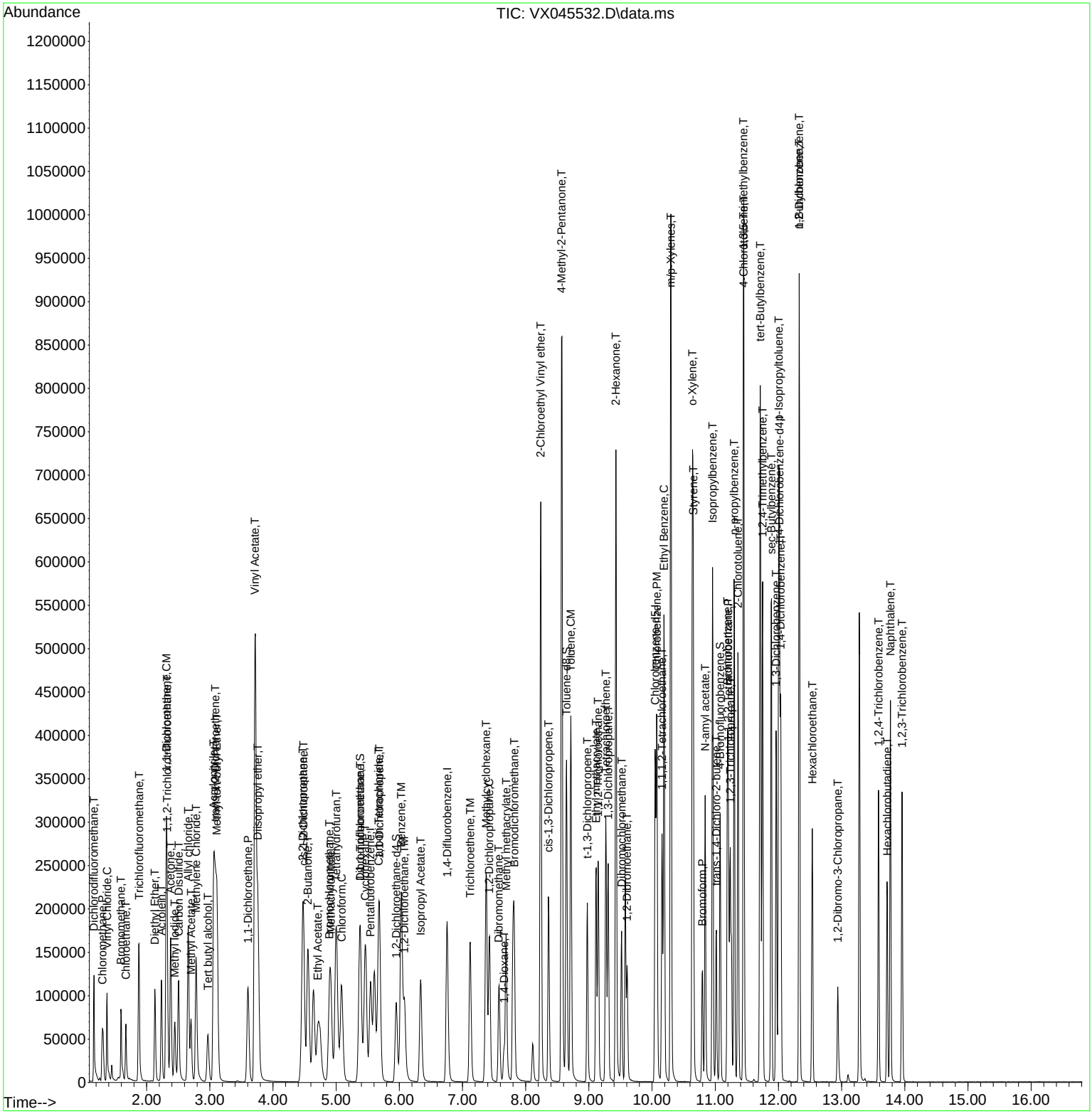
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

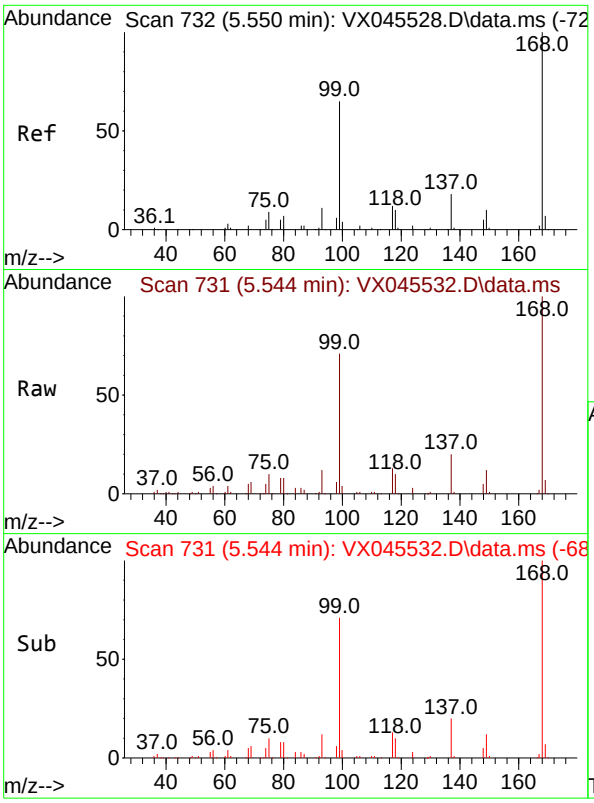
Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

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

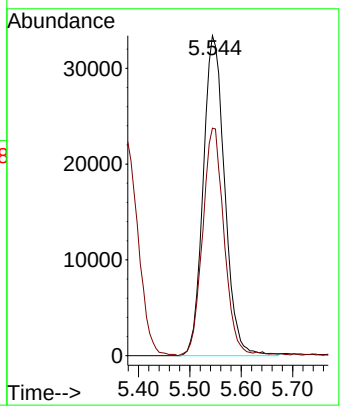




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:168 Resp: 9697

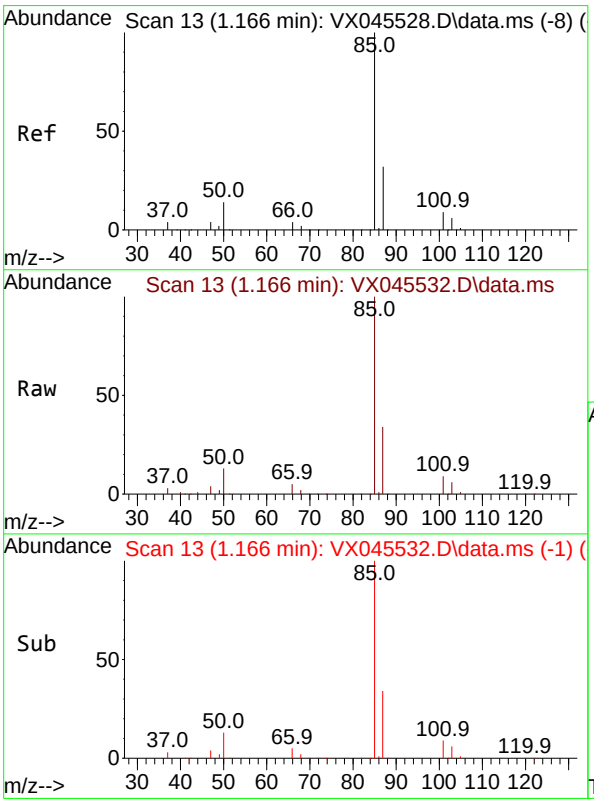
Ion	Ratio	Lower	Upper
168	100		
99	71.1	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

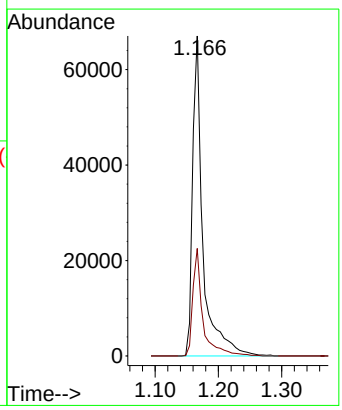
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

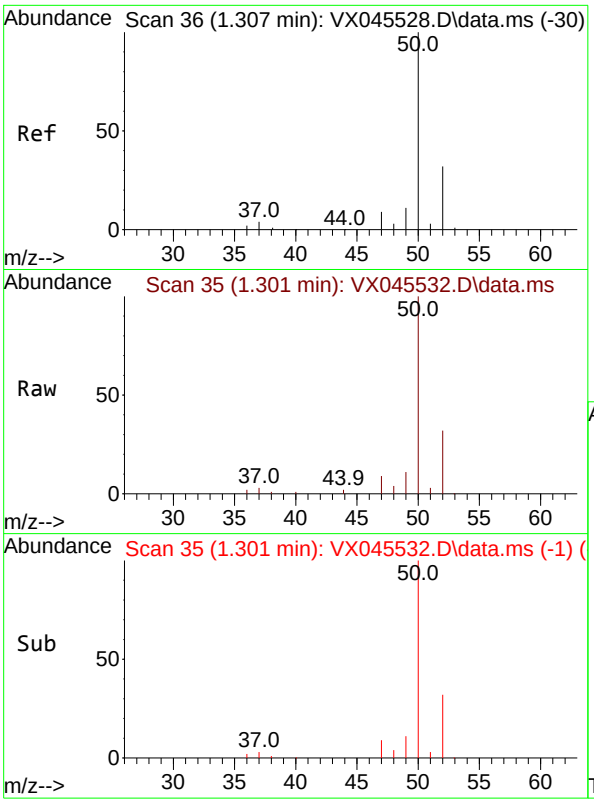


#2
Dichlorodifluoromethane
Concen: 52.454 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 85 Resp: 76070

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.1	48.2

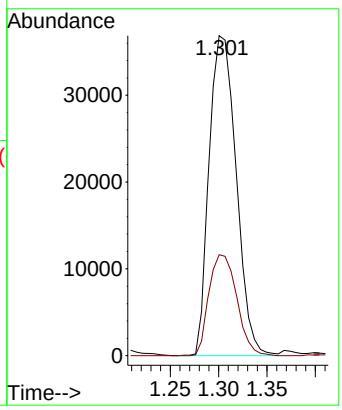




#3
Chloromethane
Concen: 48.349 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 50 Resp: 7203

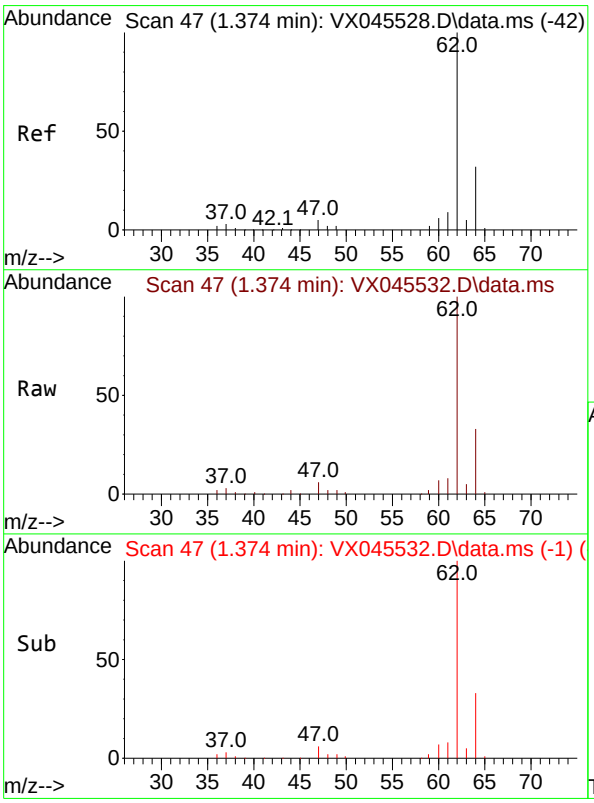
Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

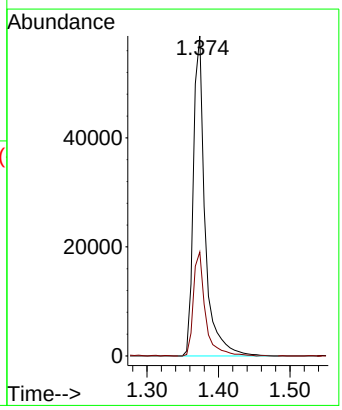
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

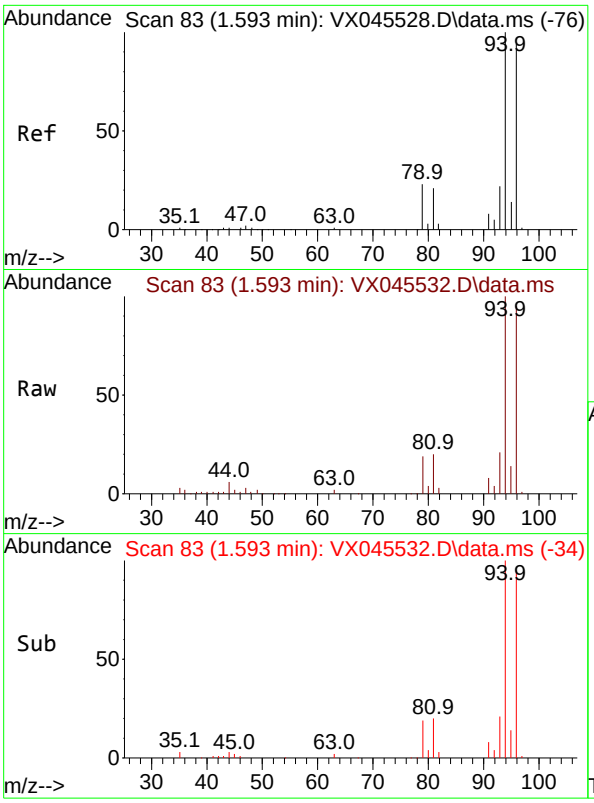


#4
Vinyl Chloride
Concen: 48.816 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 62 Resp: 66559

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.5	38.3

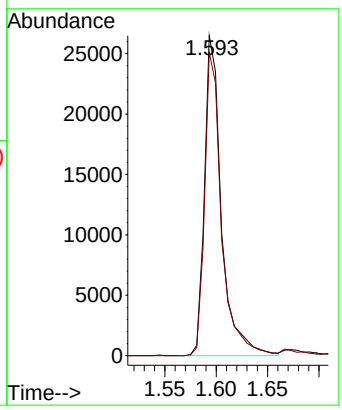




#5
Bromomethane
Concen: 46.991 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 94 Resp: 3037

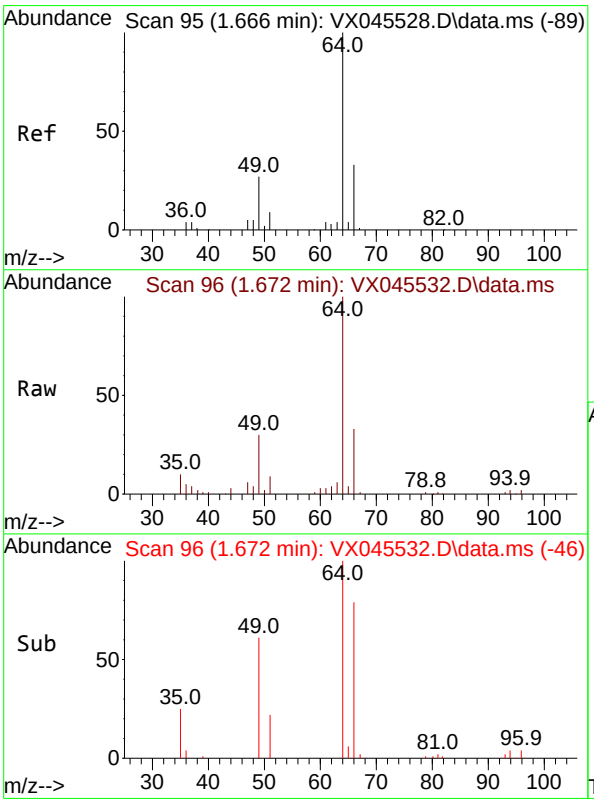
Ion	Ratio	Lower	Upper
94	100		
96	94.7	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

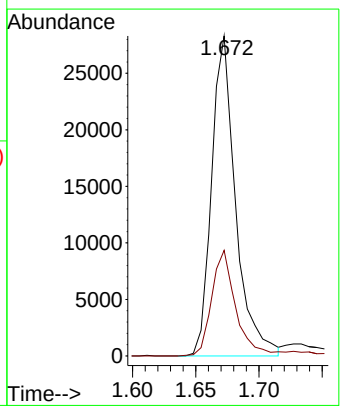
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

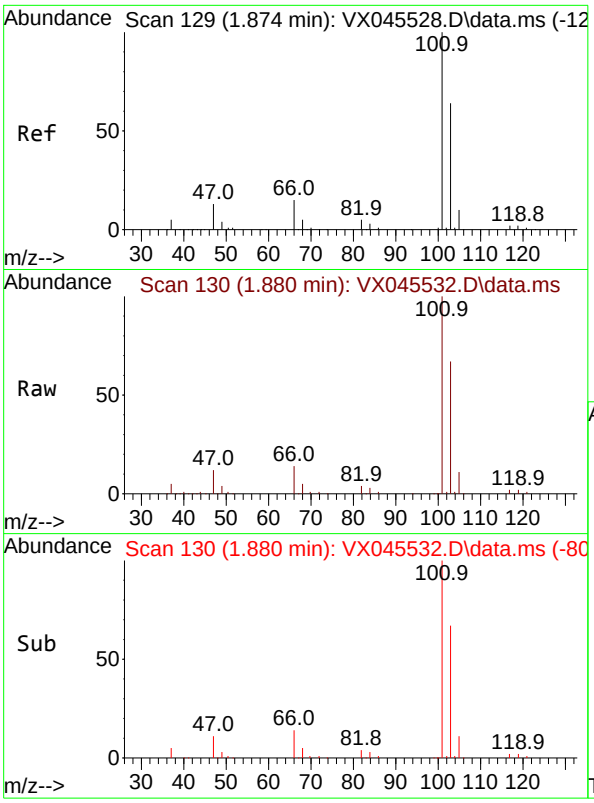


#6
Chloroethane
Concen: 51.586 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 64 Resp: 37317

Ion	Ratio	Lower	Upper
64	100		
66	33.0	26.3	39.5

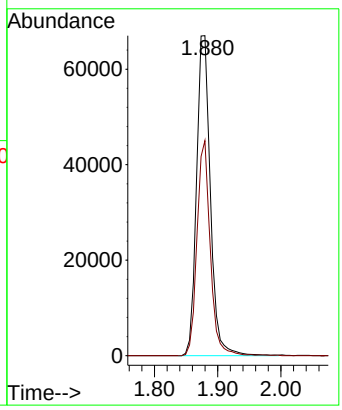




#7
Trichlorofluoromethane
Concen: 50.354 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:101 Resp: 10237

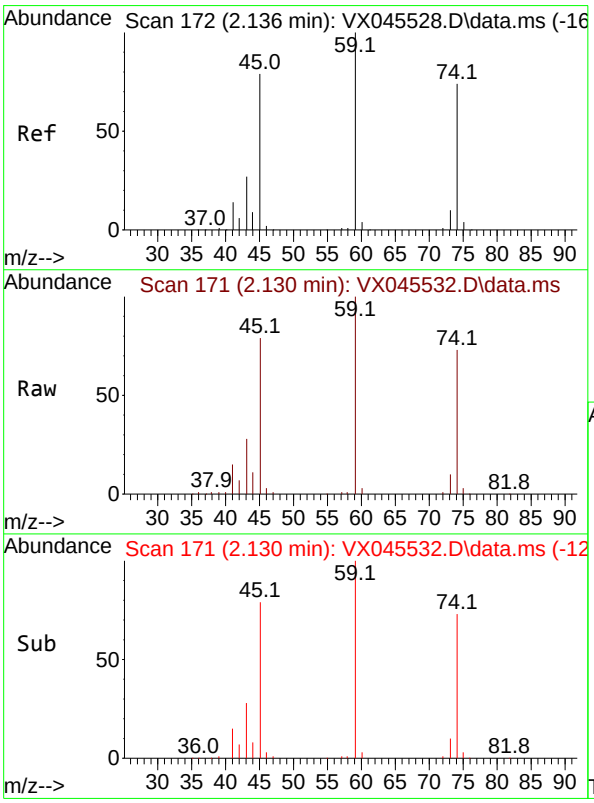
Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

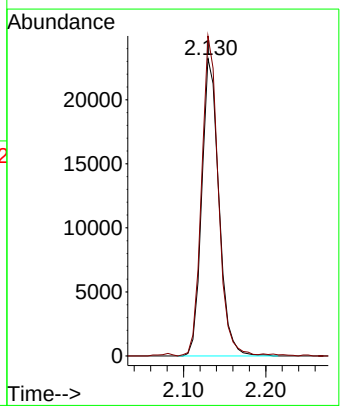
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

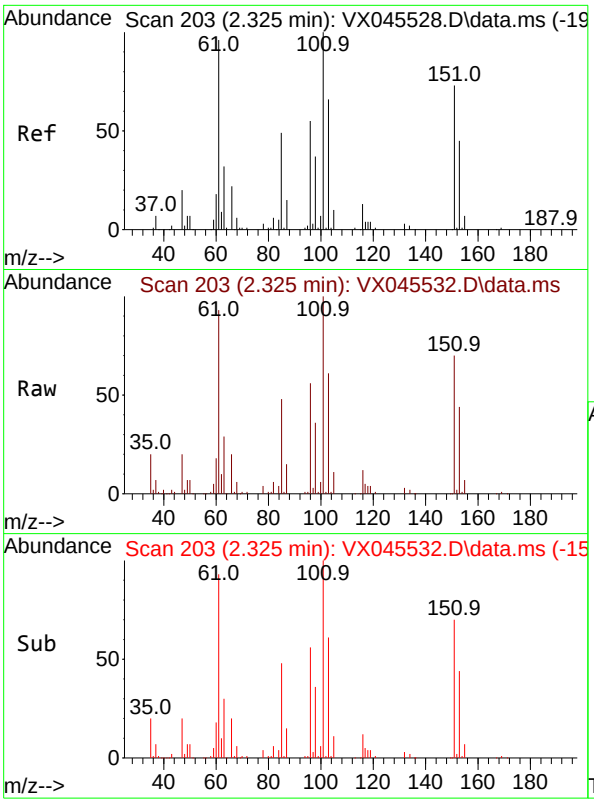


#8
Diethyl Ether
Concen: 49.228 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 74 Resp: 33603

Ion	Ratio	Lower	Upper
74	100		
45	105.2	53.0	159.1

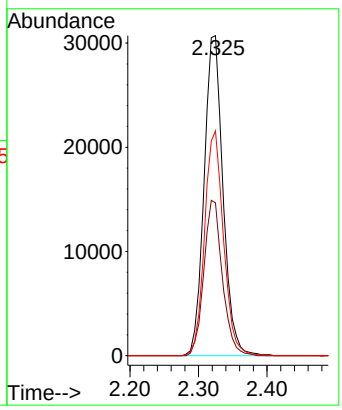




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.528 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:101 Resp: 5900

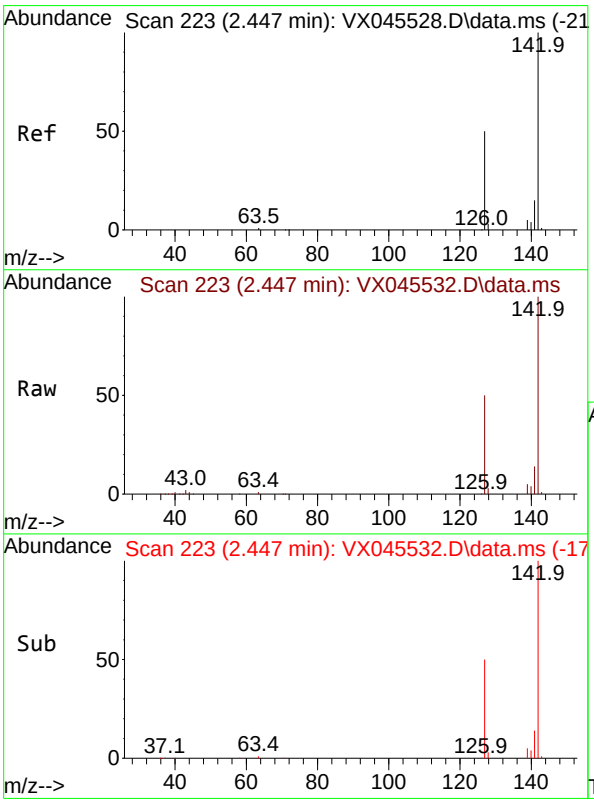
Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.9	58.3
151	70.1	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

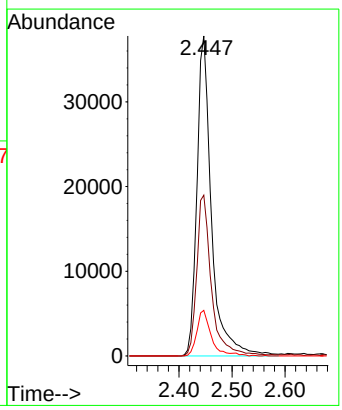
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

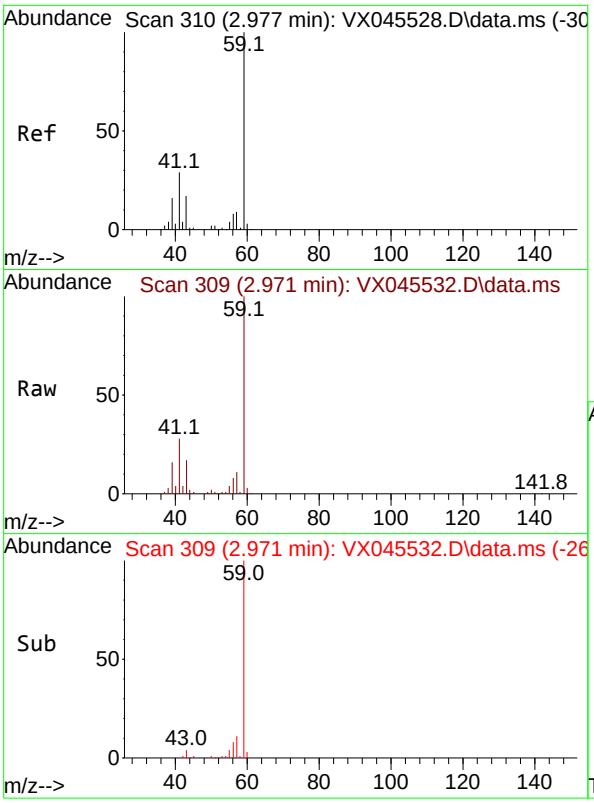


#10
Methyl Iodide
Concen: 48.626 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

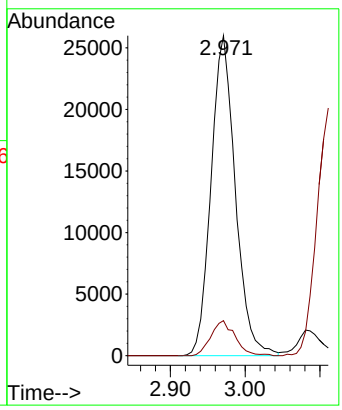
Tgt Ion: 59 Resp: 5877

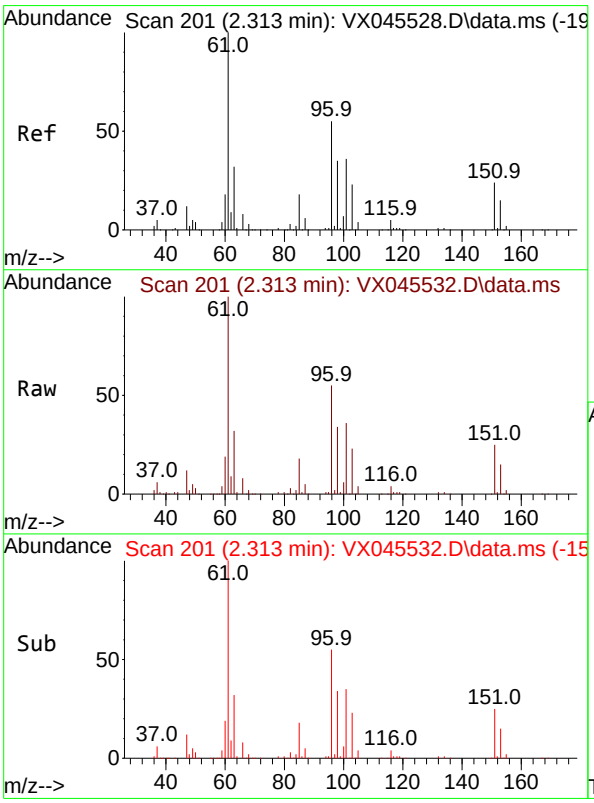
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

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

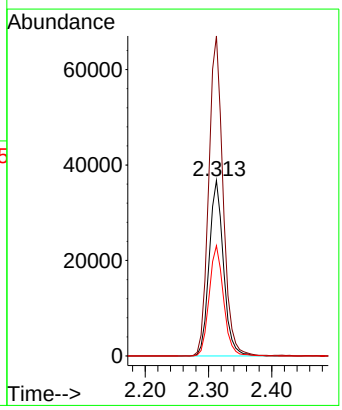


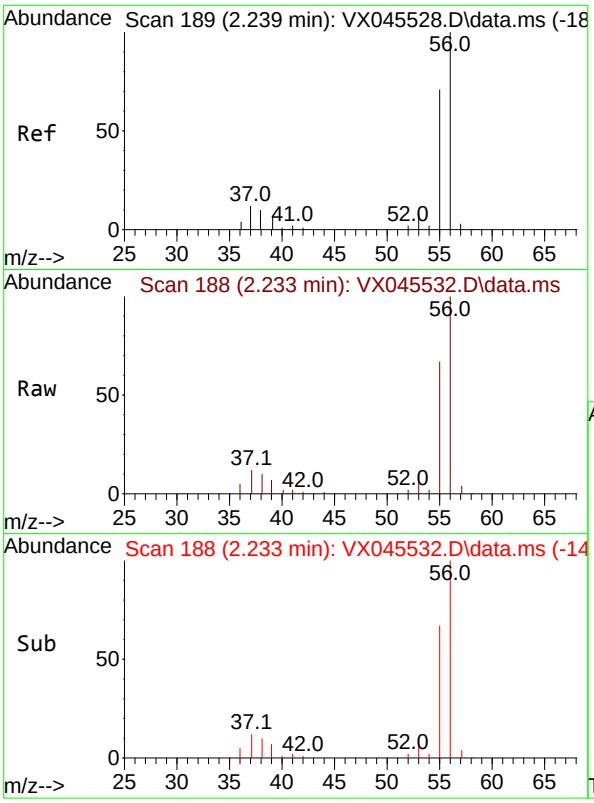


#12
1,1-Dichloroethene
Concen: 49.726 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

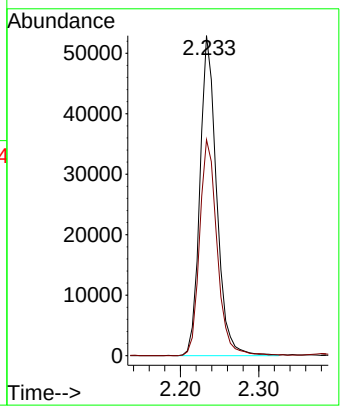




#13
Acrolein
Concen: 238.141 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 56 Resp: 7815

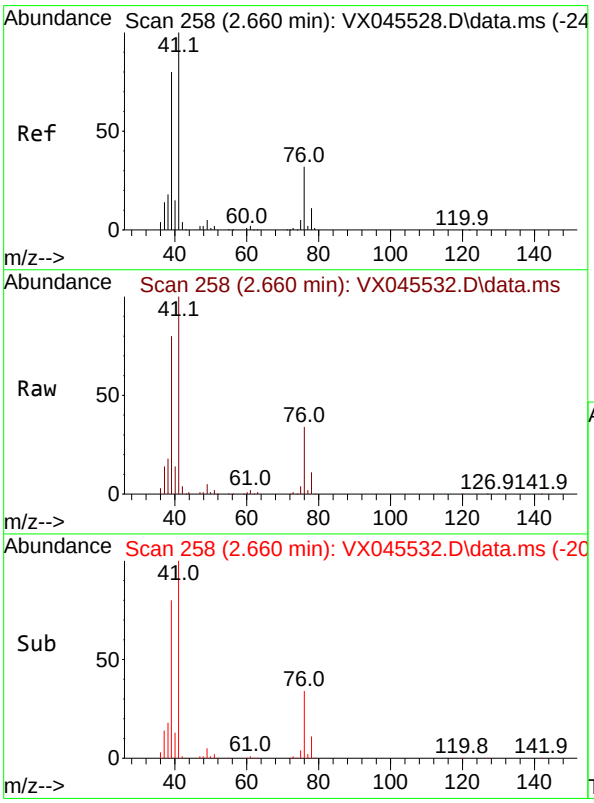
Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

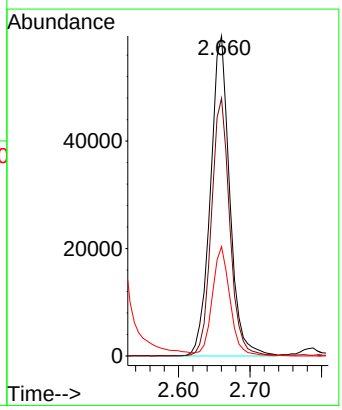
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

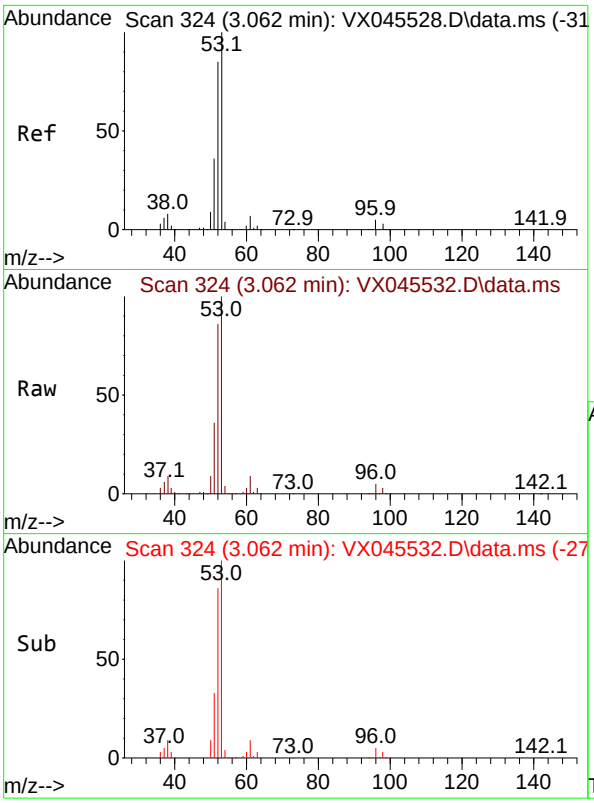


#14
Allyl chloride
Concen: 50.541 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

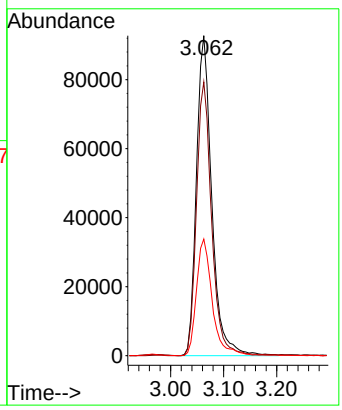




#15
Acrylonitrile
Concen: 248.351 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 53 Resp: 18683

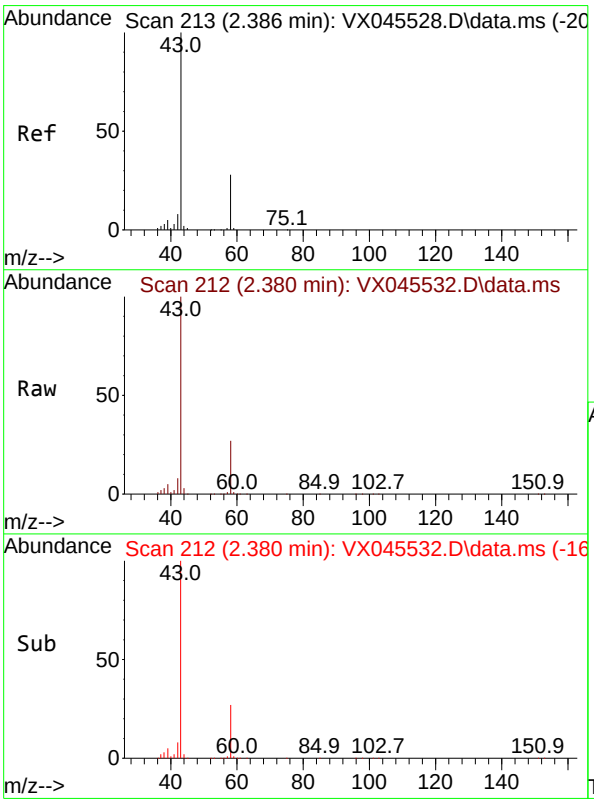
Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.4	101.2
51	37.6	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

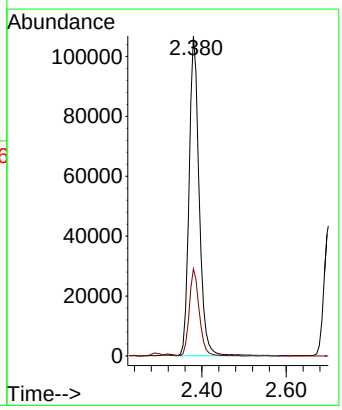
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

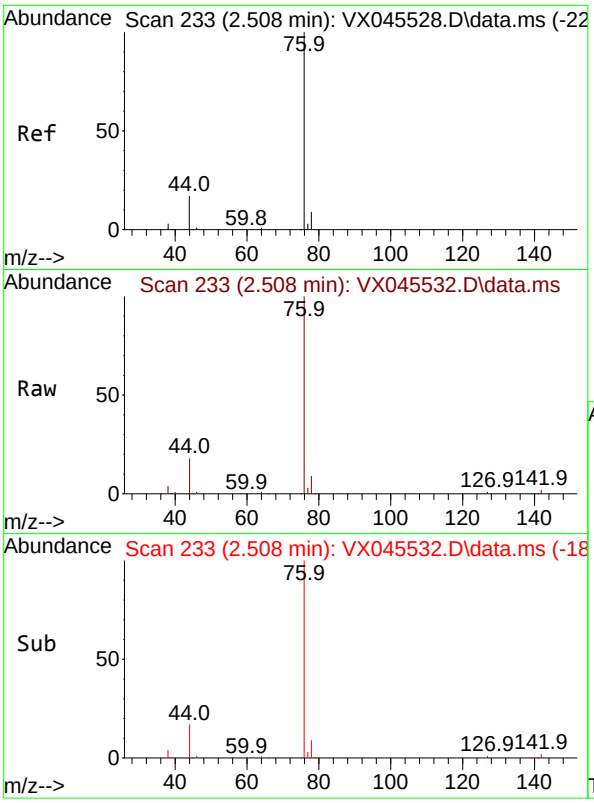


#16
Acetone
Concen: 241.904 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 176153

Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.3	33.5

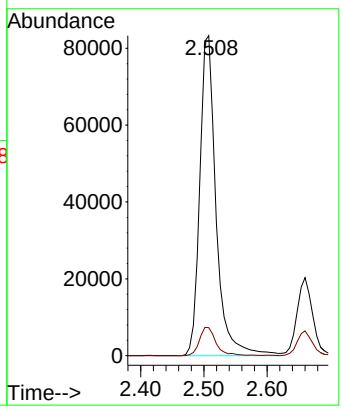




#17
Carbon Disulfide
Concen: 52.057 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 76 Resp: 14967

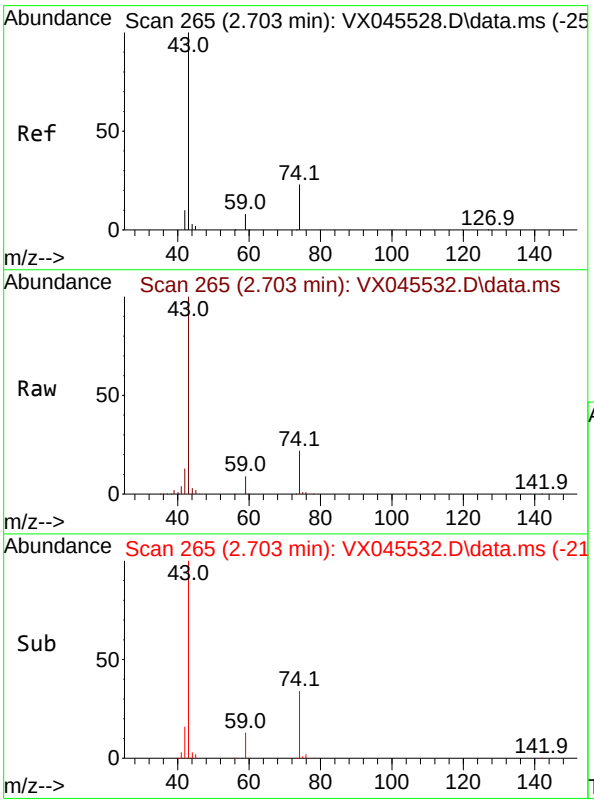
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

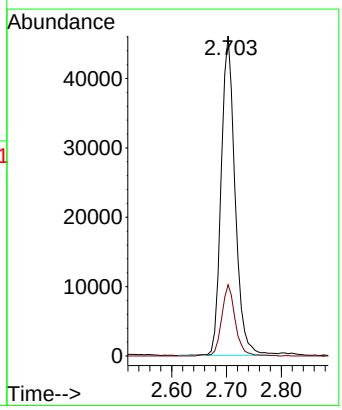
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

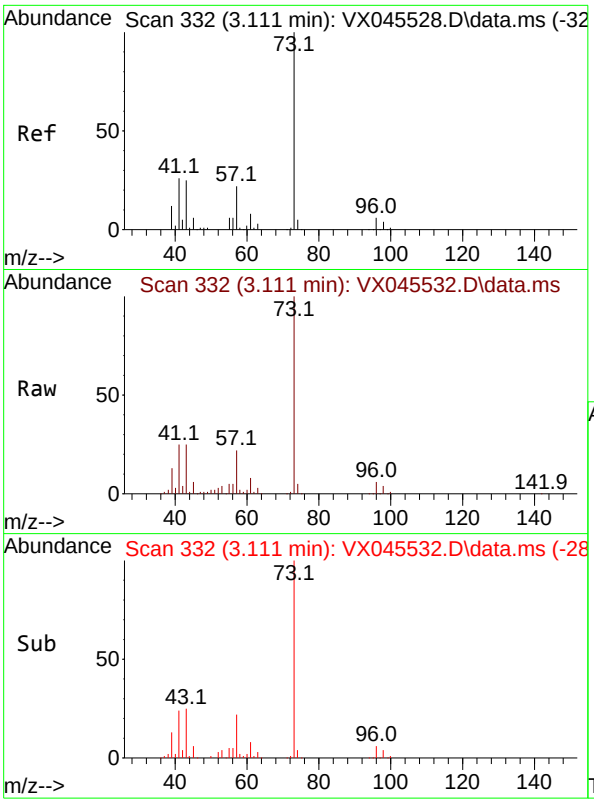


#18
Methyl Acetate
Concen: 48.742 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 81720

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.5	26.3

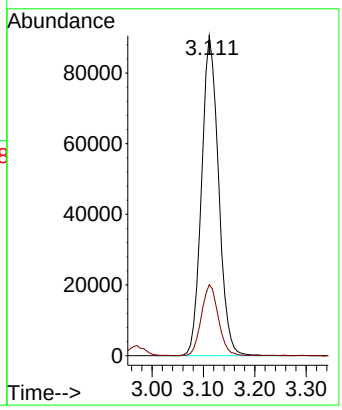




#19
Methyl tert-butyl Ether
Concen: 50.950 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 73 Resp: 20748

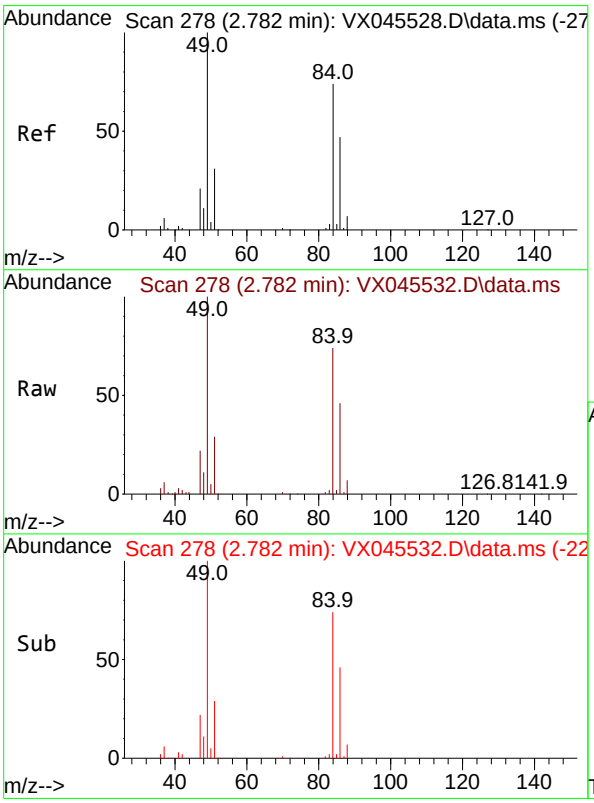
Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

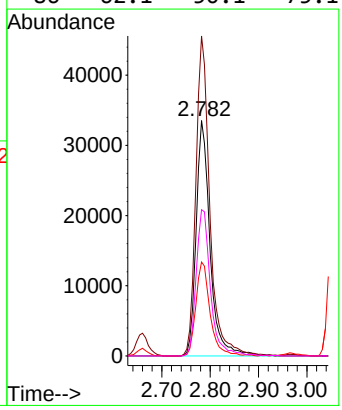
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

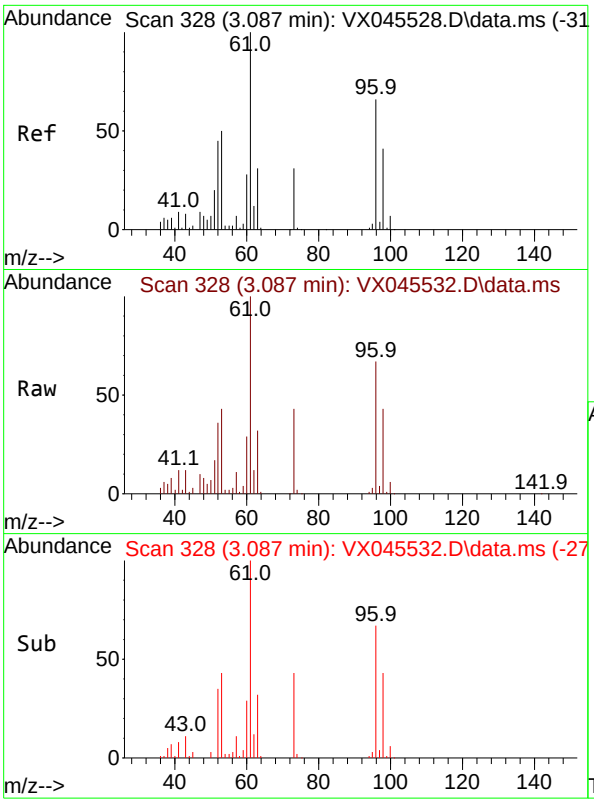


#20
Methylene Chloride
Concen: 49.055 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

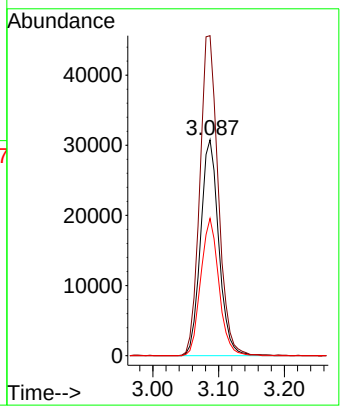




#21
trans-1,2-Dichloroethene
Concen: 49.800 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 96 Resp: 5922

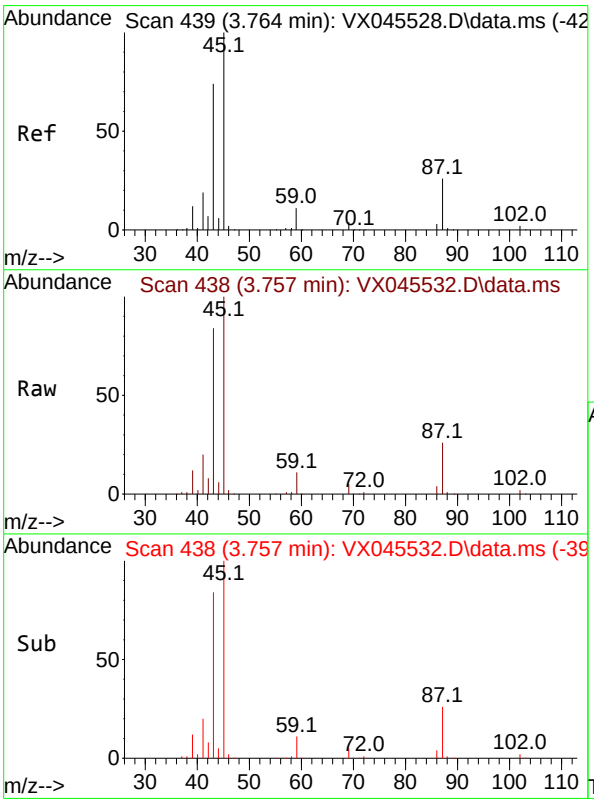
Ion	Ratio	Lower	Upper
96	100		
61	148.2	121.0	181.6
98	63.6	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

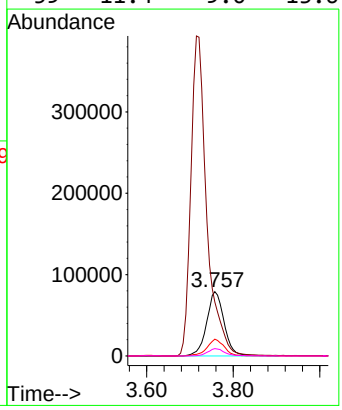
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

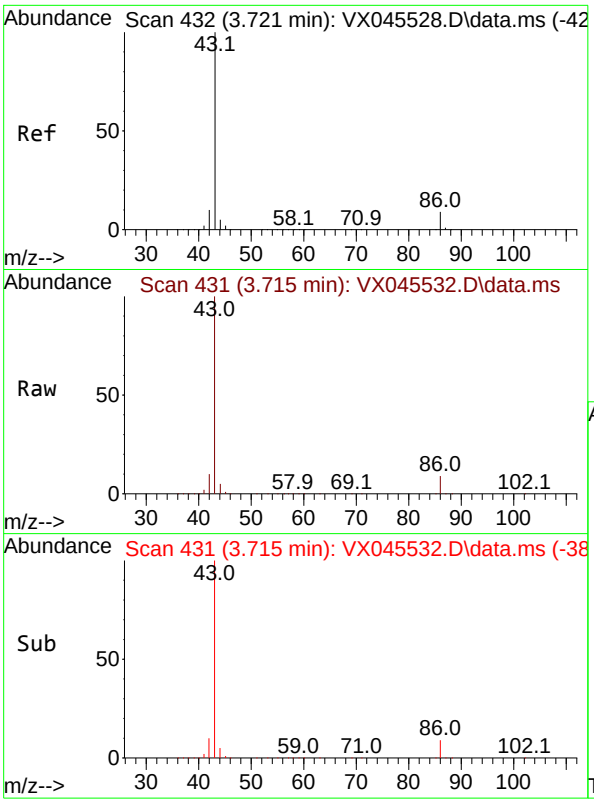


#22
Diisopropyl ether
Concen: 50.895 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

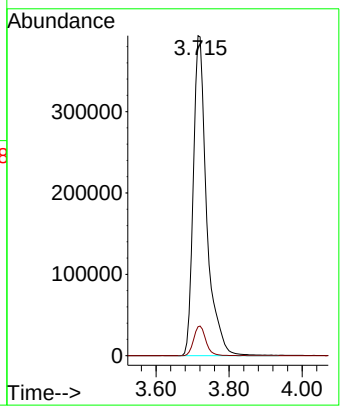
Tgt Ion: 43 Resp: 100542

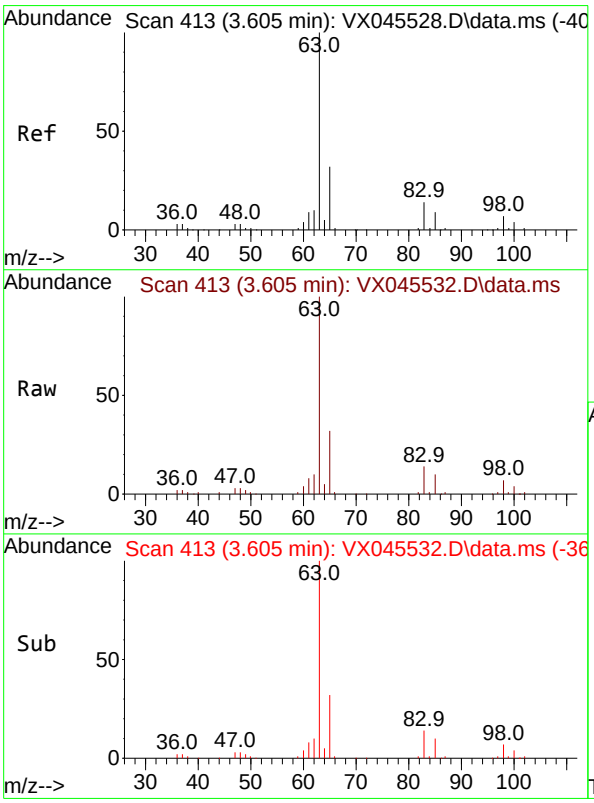
Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

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

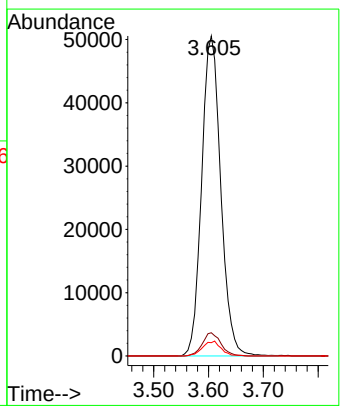


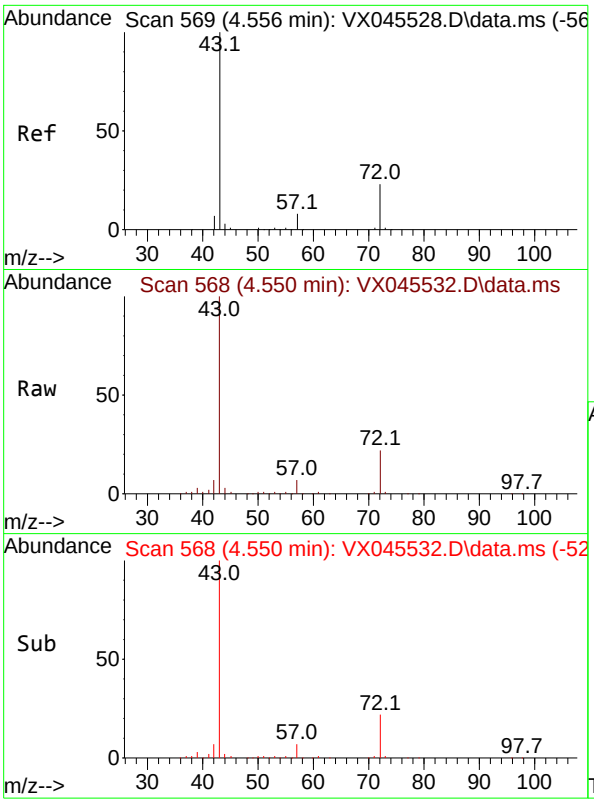


#24
1,1-Dichloroethane
Concen: 49.677 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

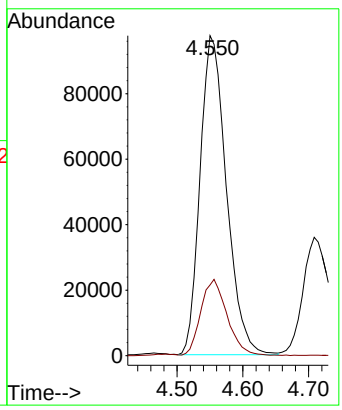
Tgt Ion: 43 Resp: 27168

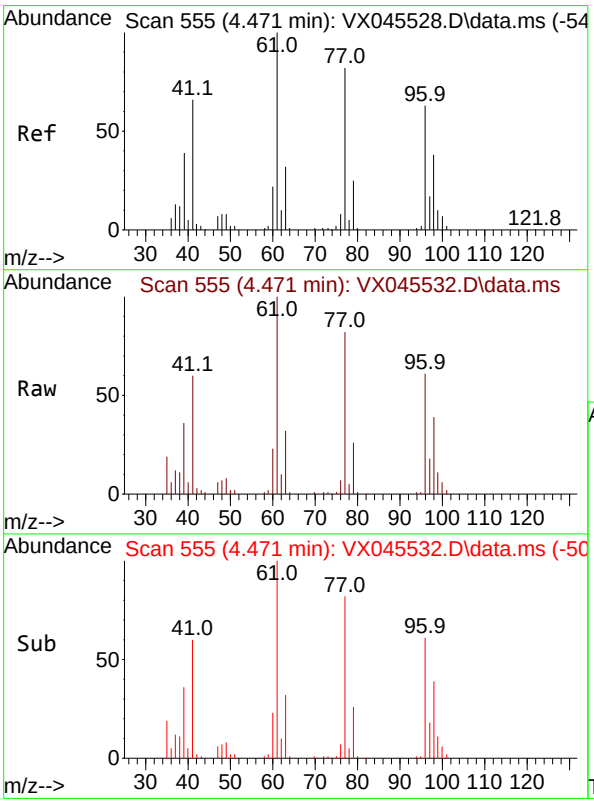
Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.6	28.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

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

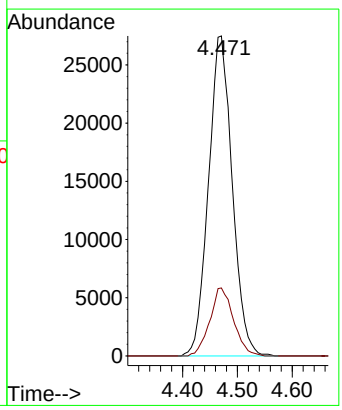


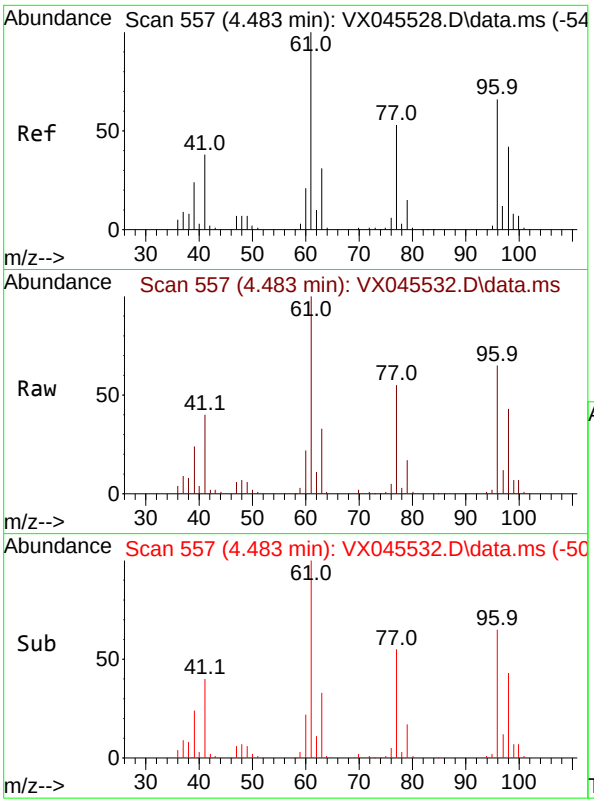


#26
2,2-Dichloropropane
Concen: 52.020 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 77 Resp: 82704

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8

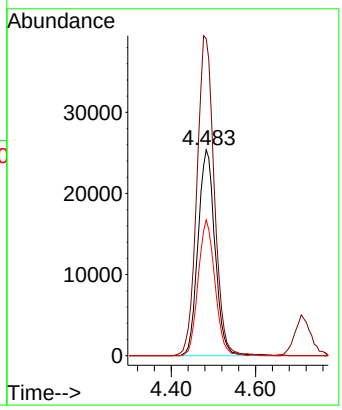




#27
cis-1,2-Dichloroethene
Concen: 49.049 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 96 Resp: 7107

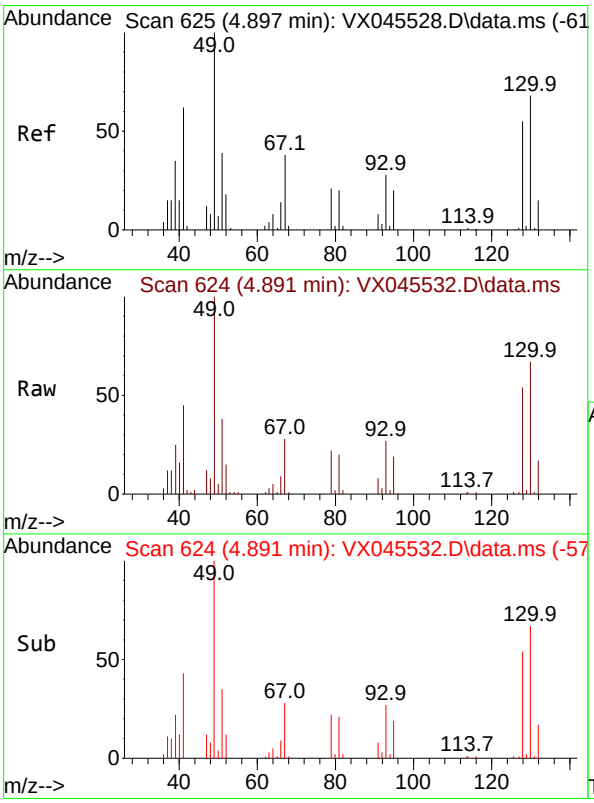
Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	313.2
98	65.1	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

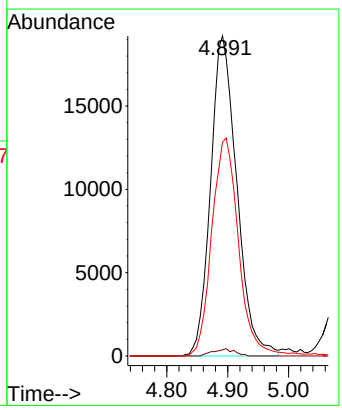
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

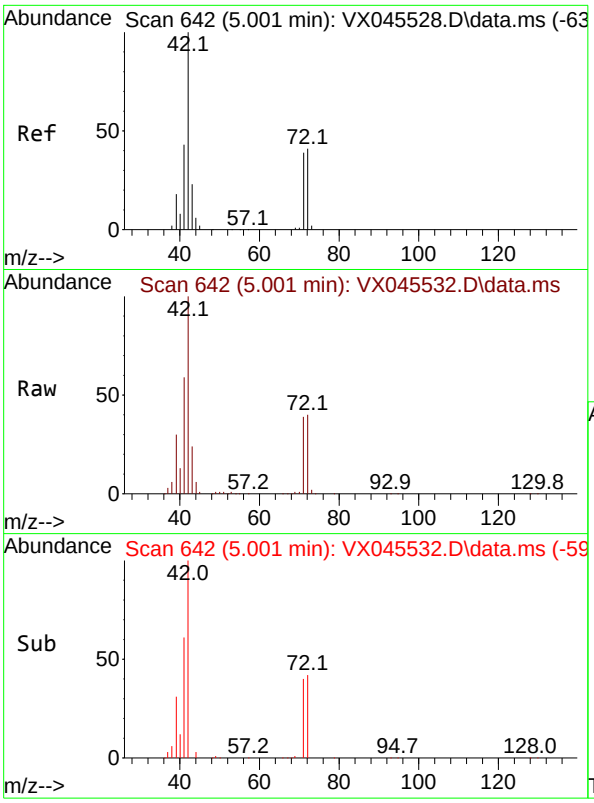


#28
Bromochloromethane
Concen: 48.403 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

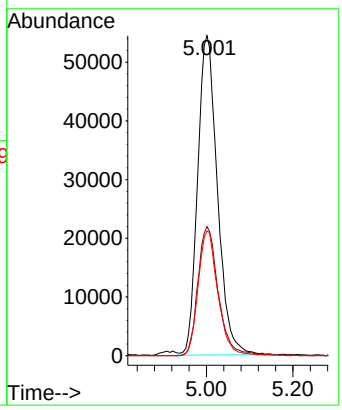
Tgt Ion: 42 Resp: 17240

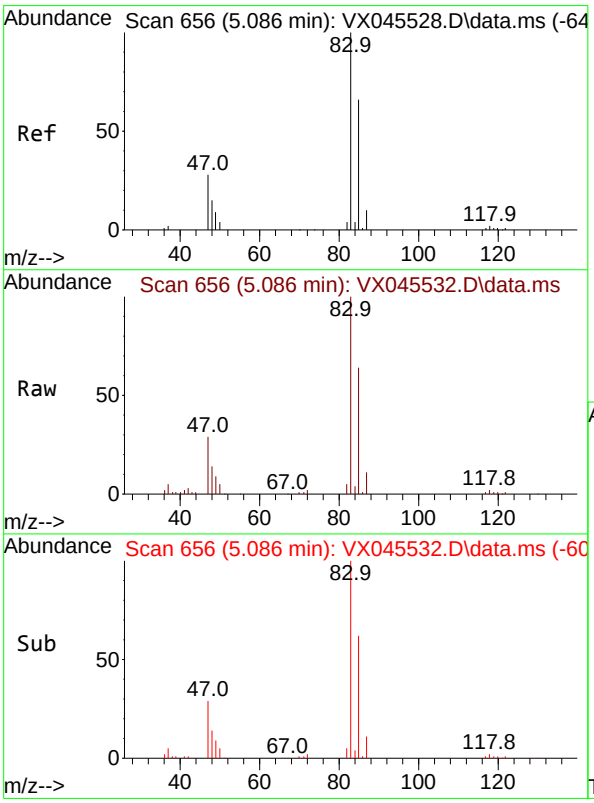
Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.4	50.0
71	39.0	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

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

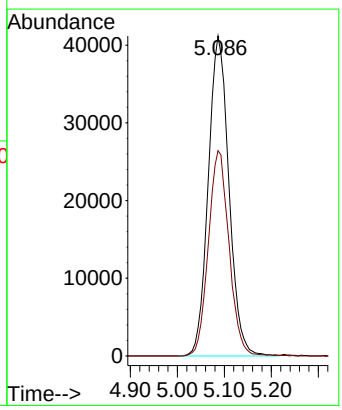


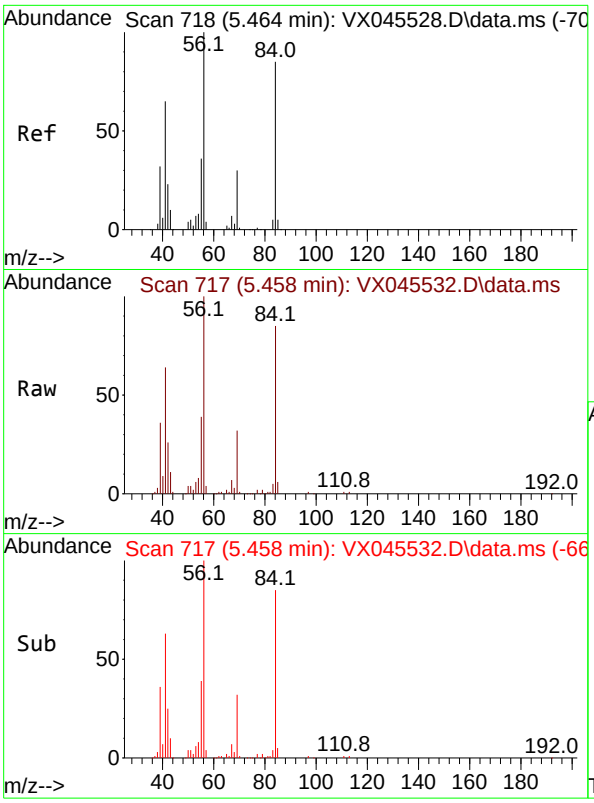


#30
Chloroform
Concen: 49.614 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 83 Resp: 125621

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.8	79.2

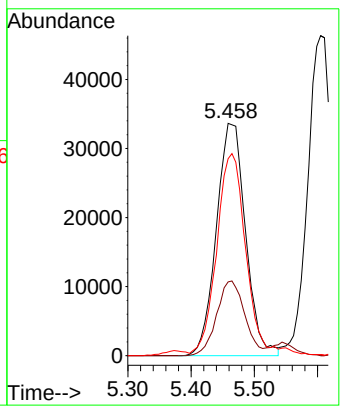




#31
Cyclohexane
Concen: 49.583 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 56 Resp: 10786

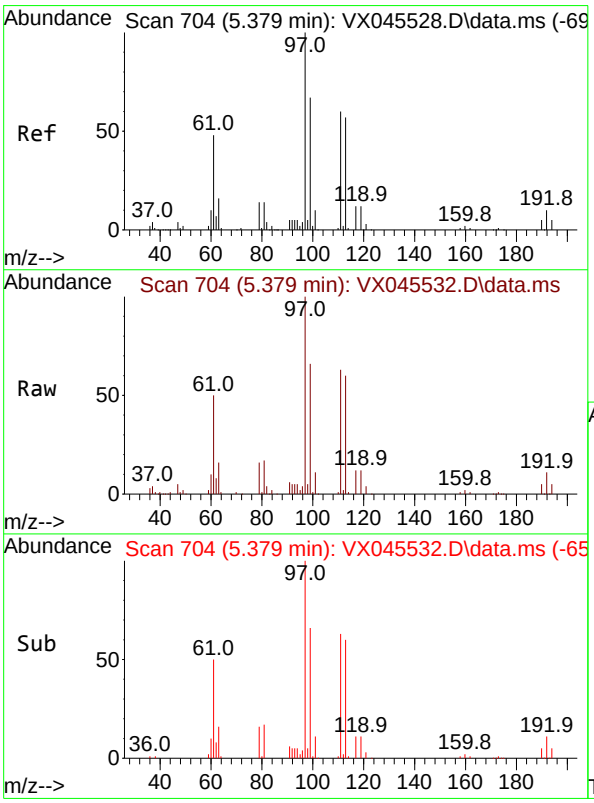
Ion	Ratio	Lower	Upper
56	100		
69	31.7	23.6	35.4
84	82.7	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

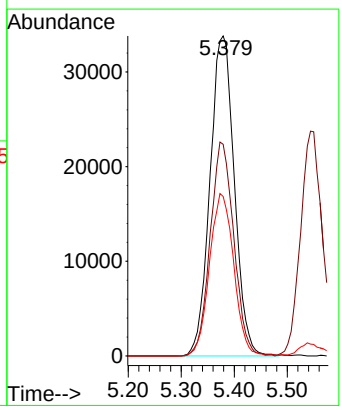
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

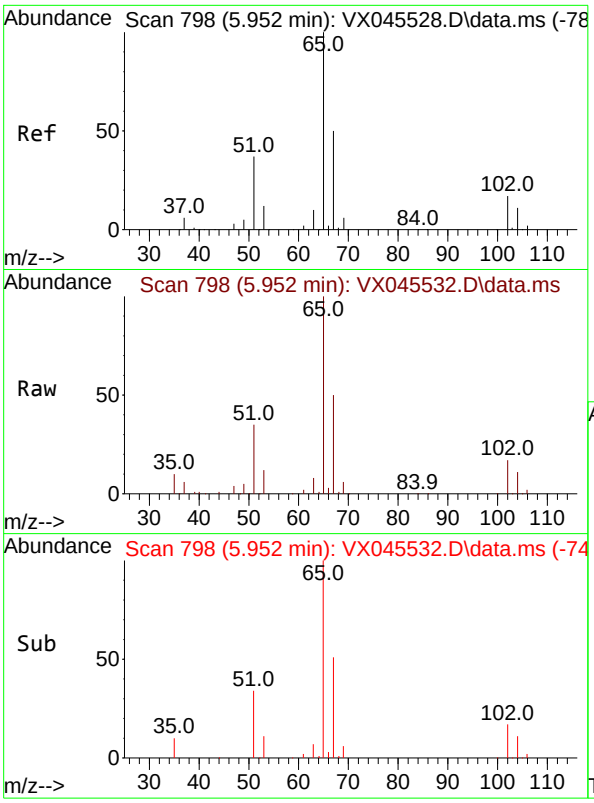


#32
1,1,1-Trichloroethane
Concen: 50.330 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

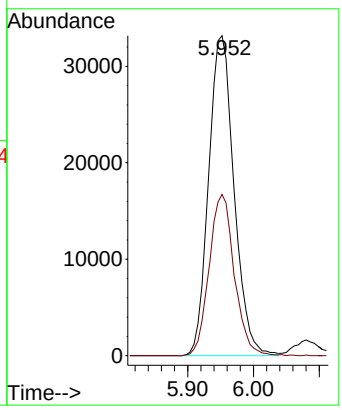




#33
1,2-Dichloroethane-d4
Concen: 50.329 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 65 Resp: 8925

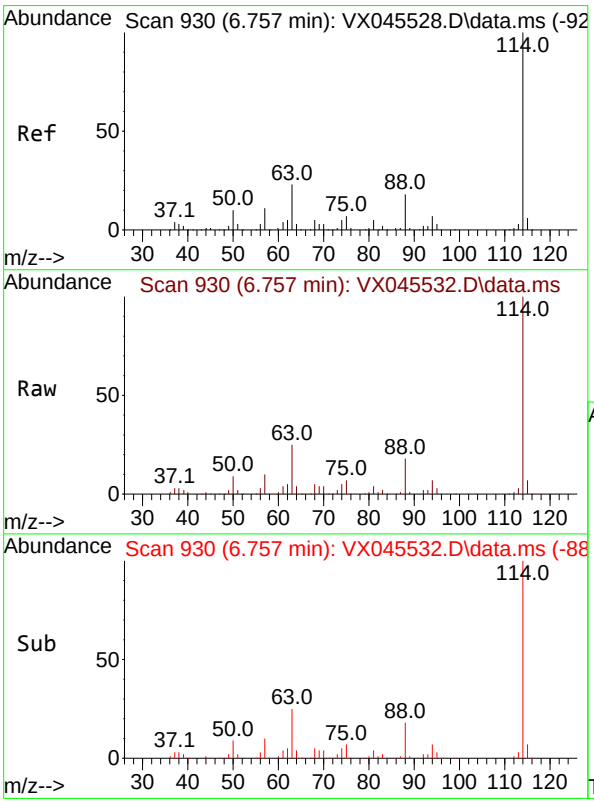
Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

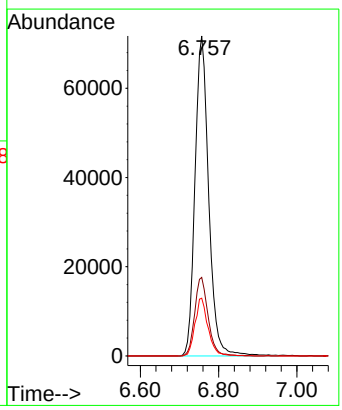
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

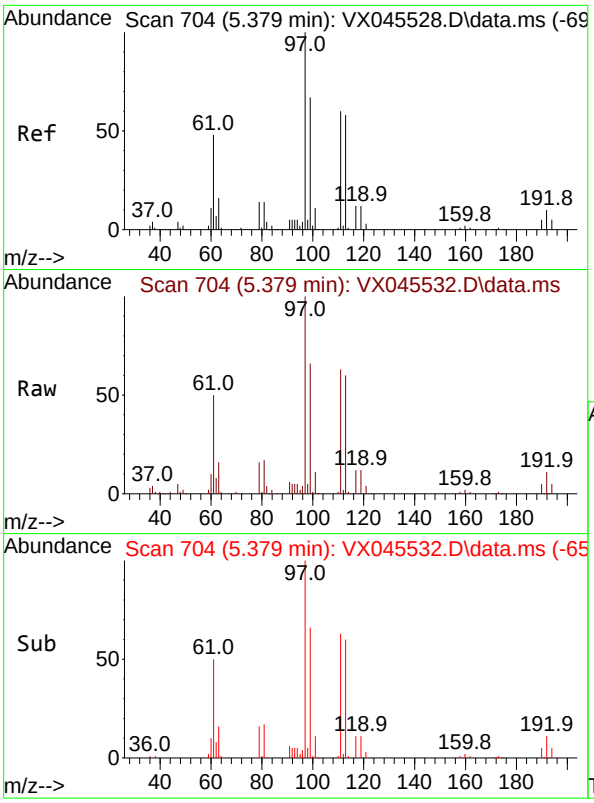


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

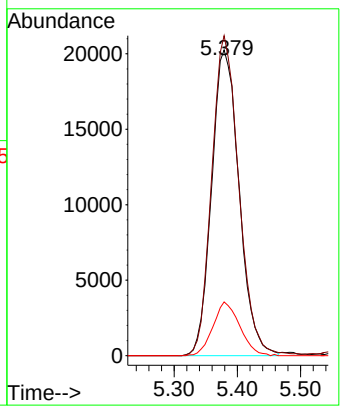




#35
Dibromofluoromethane
Concen: 49.256 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:113 Resp: 6110

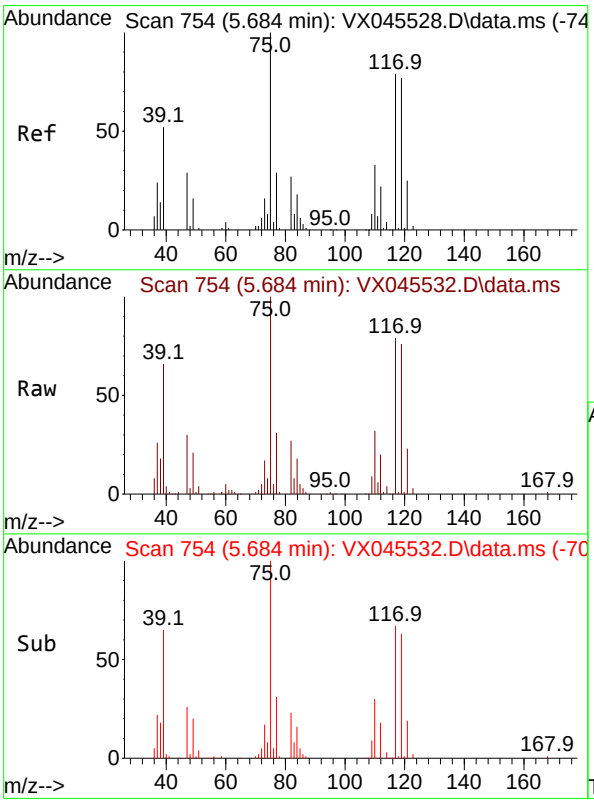
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	17.2	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

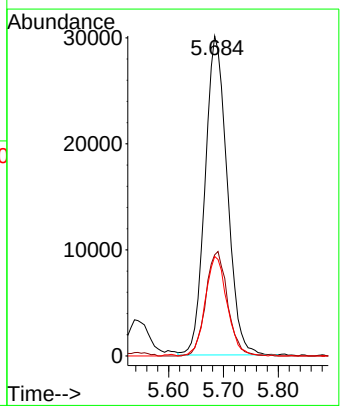
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

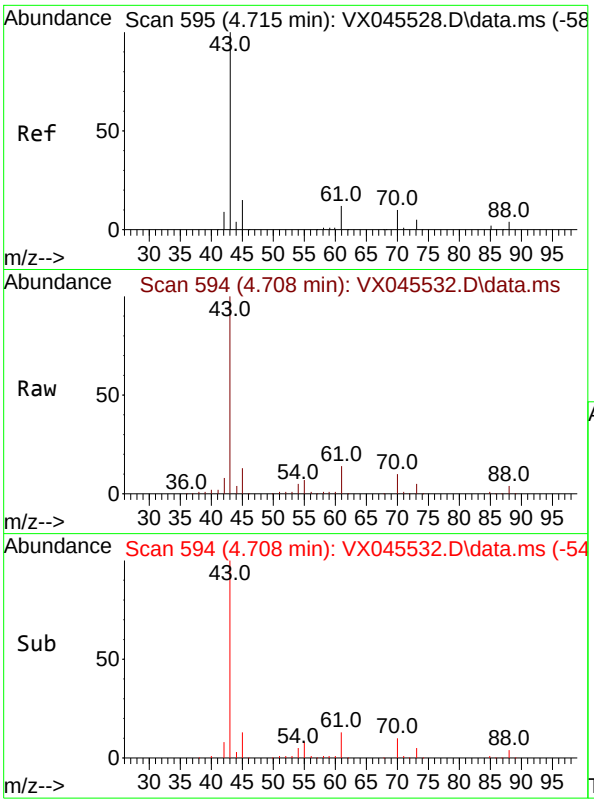


#36
1,1-Dichloropropene
Concen: 50.088 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

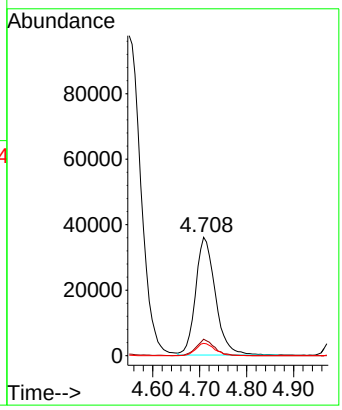




#37
Ethyl Acetate
Concen: 49.787 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 10509

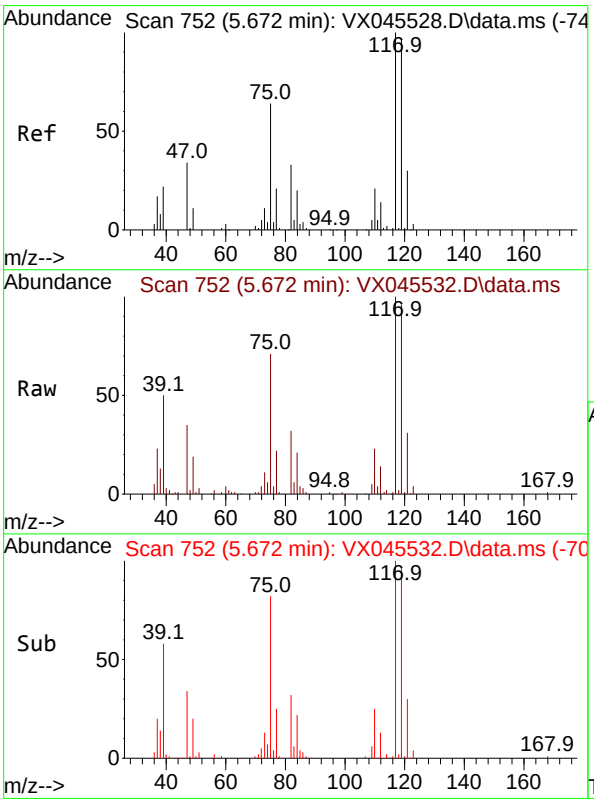
Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.9	14.9
70	10.2	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

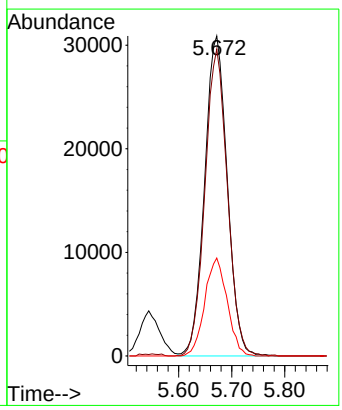
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

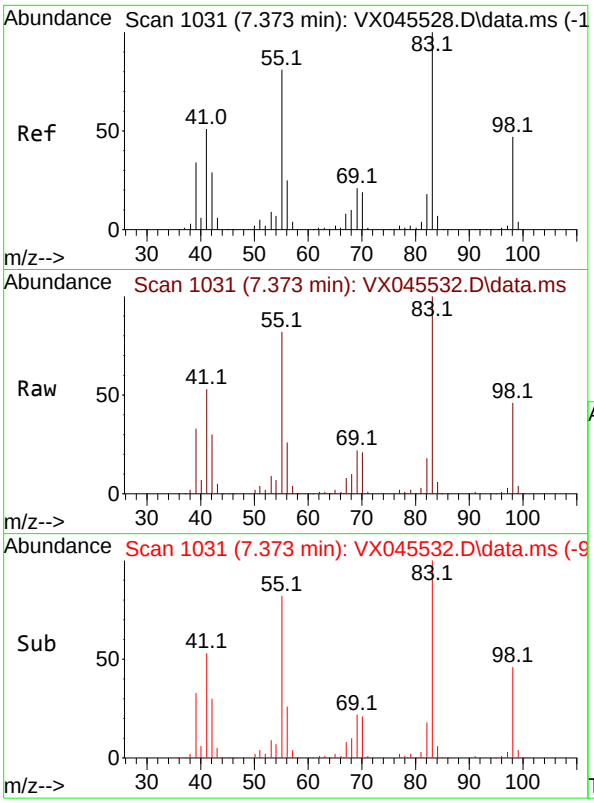


#38
Carbon Tetrachloride
Concen: 50.667 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

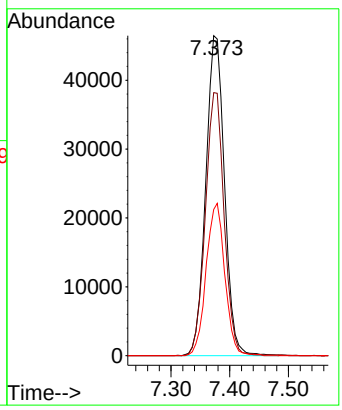




#39
Methylcyclohexane
Concen: 50.124 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 83 Resp: 10291

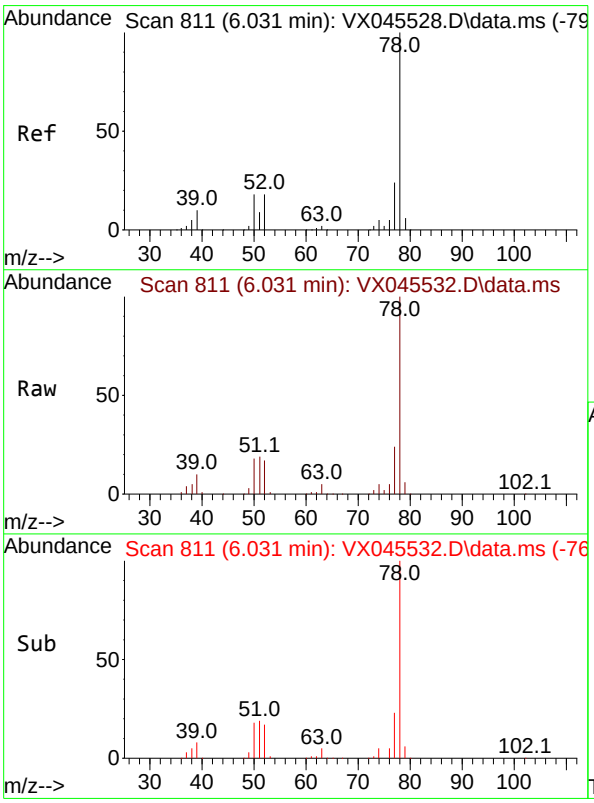
Ion	Ratio	Lower	Upper
83	100		
55	82.1	64.9	97.3
98	45.7	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

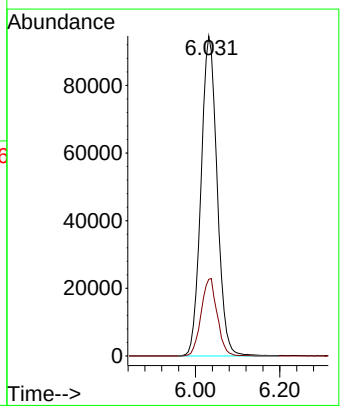
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

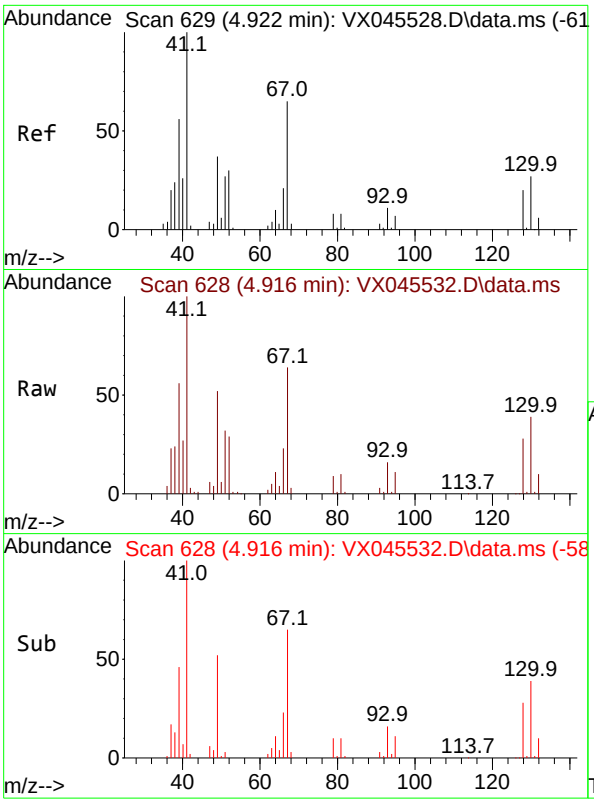


#40
Benzene
Concen: 49.212 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 78 Resp: 251758

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6

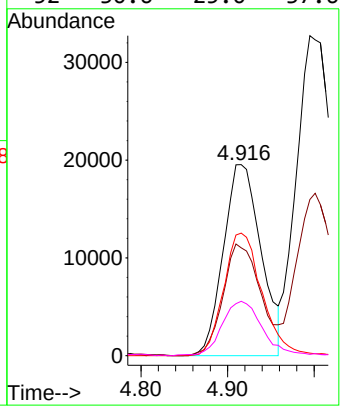




#41
Methacrylonitrile
Concen: 53.098 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 41 Resp: 5914

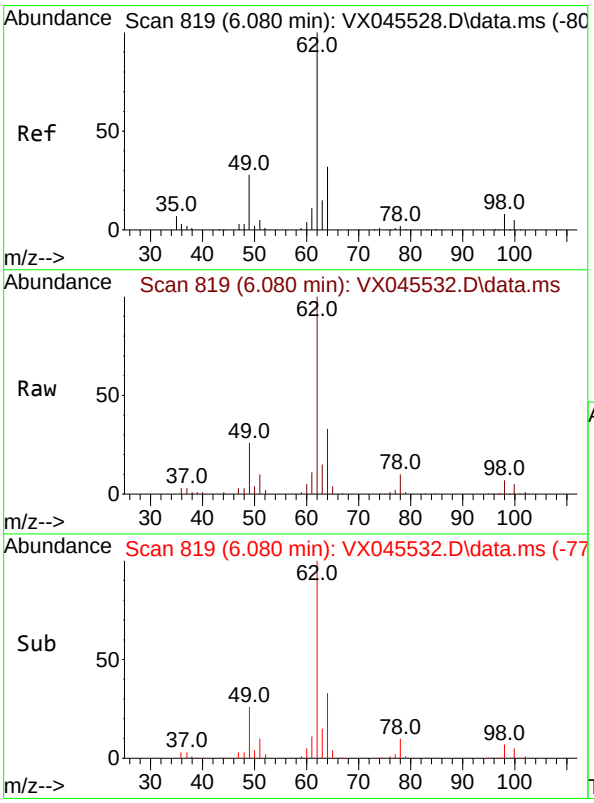
Ion	Ratio	Lower	Upper
41	100		
39	58.5	47.0	70.6
67	65.5	53.2	79.8
52	30.6	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

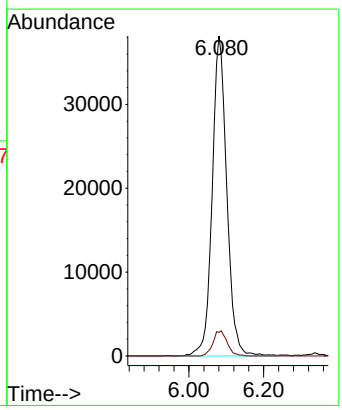
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

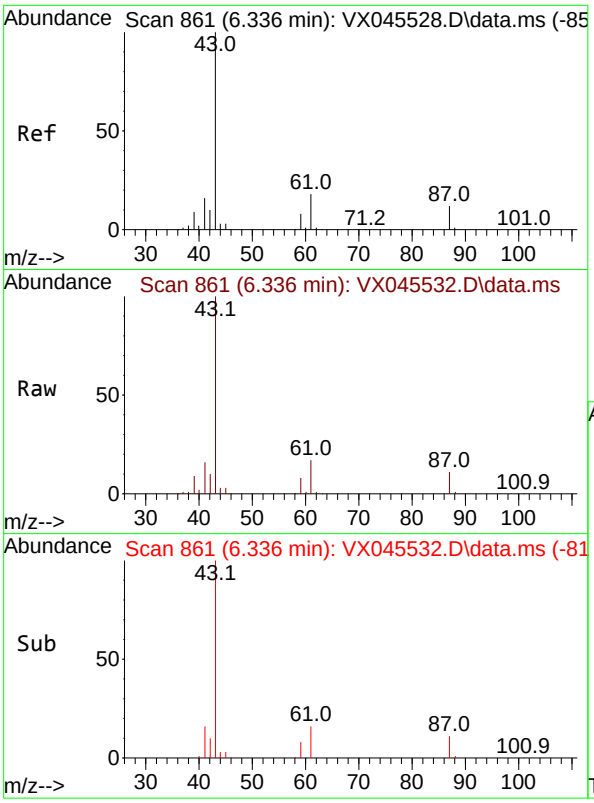


#42
1,2-Dichloroethane
Concen: 48.875 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

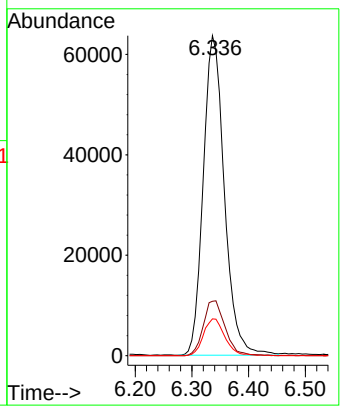
Tgt Ion: 43 Resp: 16489

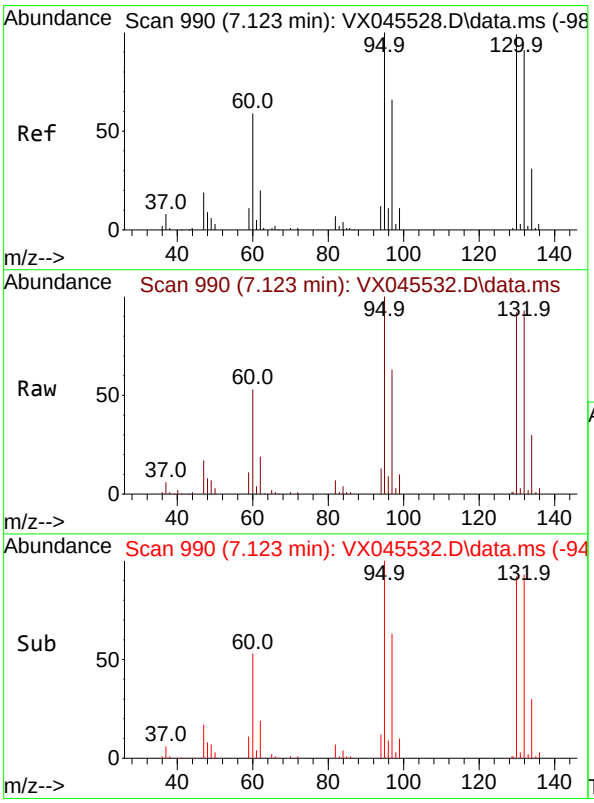
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.1	21.1
87	11.6	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

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

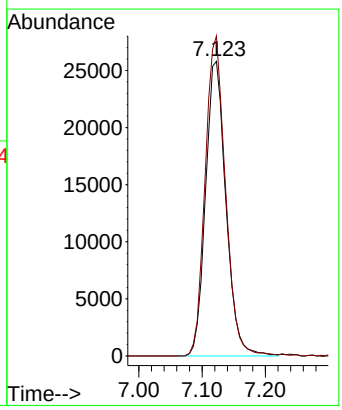


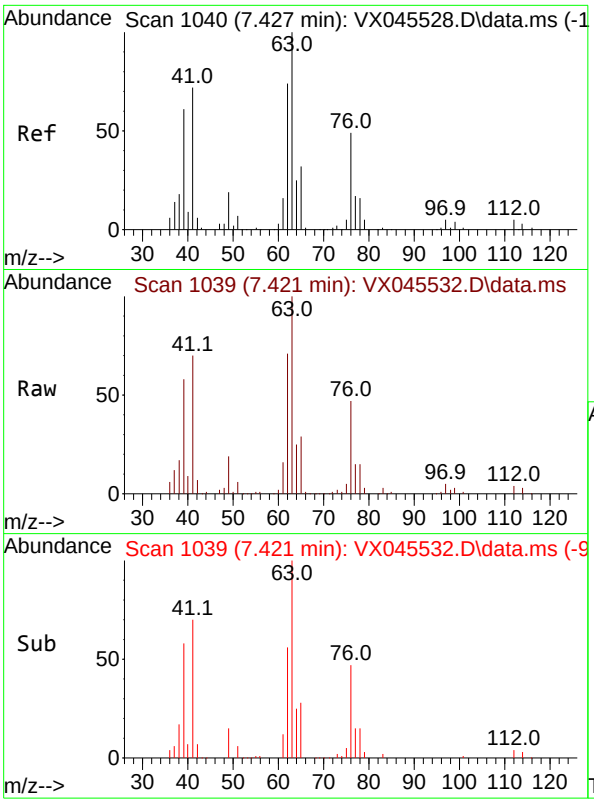


#44
Trichloroethene
Concen: 47.643 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:130 Resp: 57931

Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	202.0

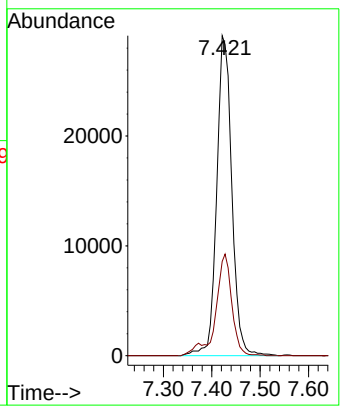




#45
1,2-Dichloropropane
Concen: 49.521 ug/l
RT: 7.421 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 63 Resp: 6321(

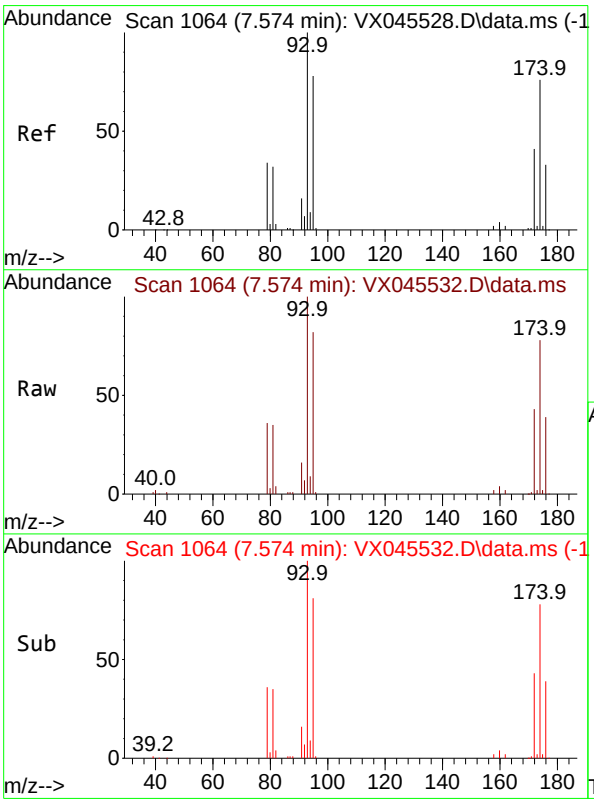
Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

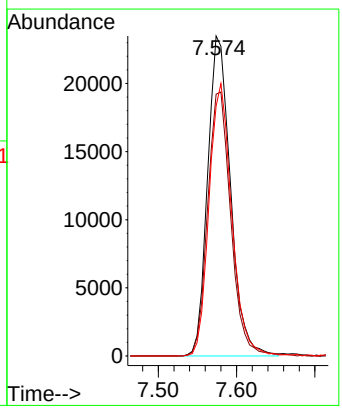
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

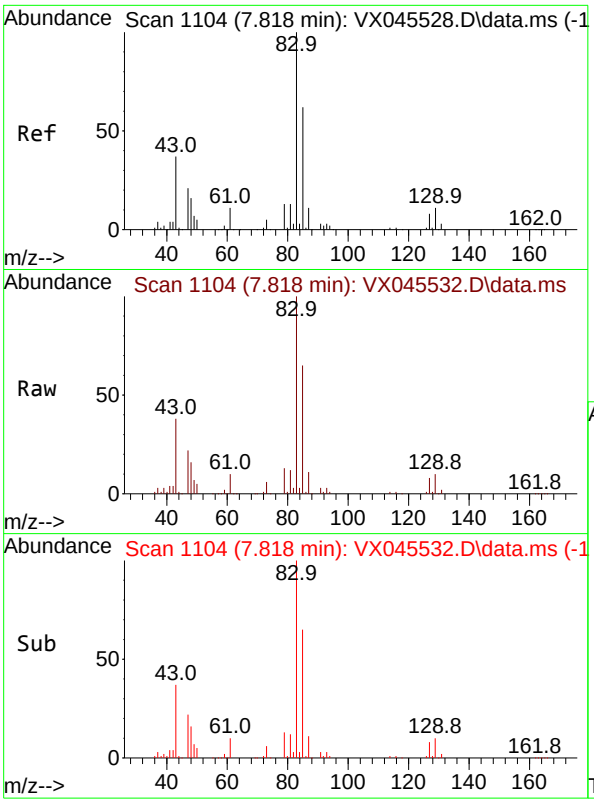


#46
Dibromomethane
Concen: 48.542 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

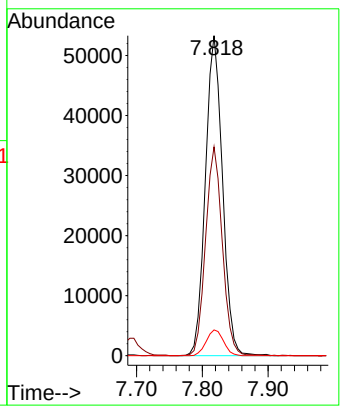




#47
Bromodichloromethane
Concen: 49.273 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 83 Resp: 9641

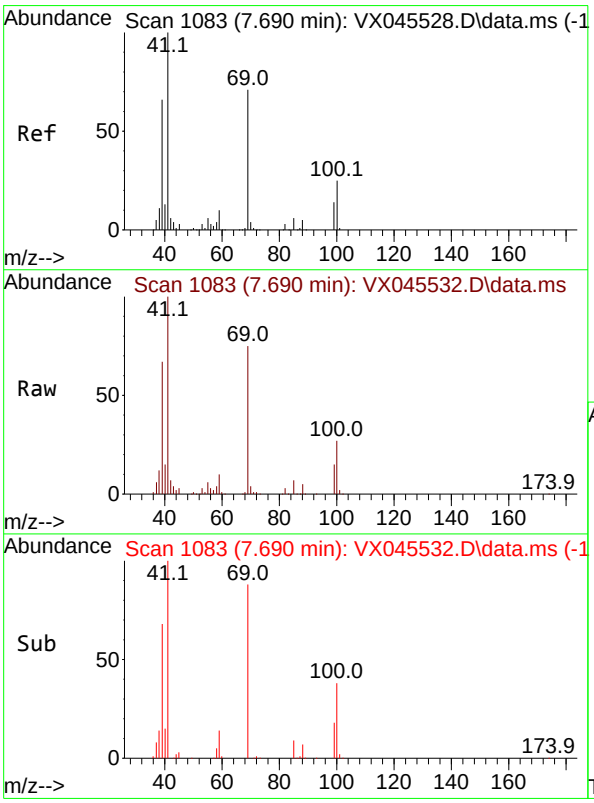
Ion	Ratio	Lower	Upper
83	100		
85	65.2	49.7	74.5
127	8.1	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

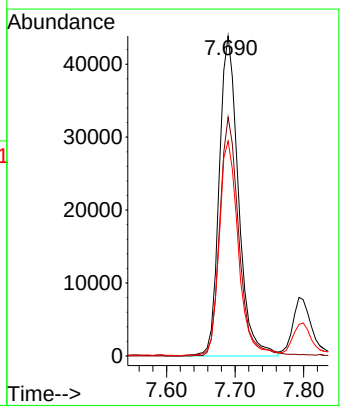
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

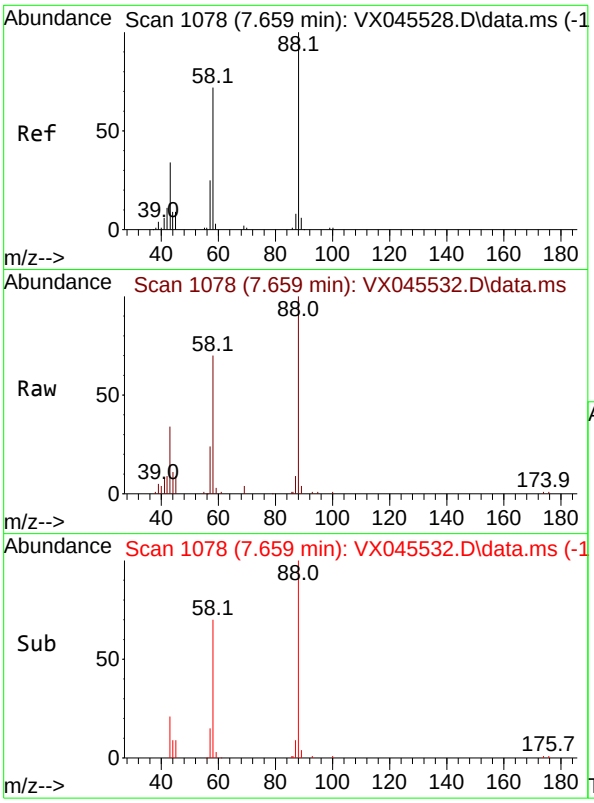


#48
Methyl methacrylate
Concen: 51.507 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

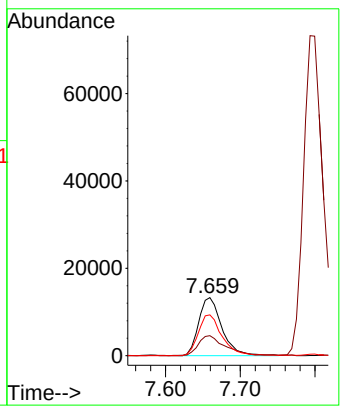
Tgt Ion: 88 Resp: 2855

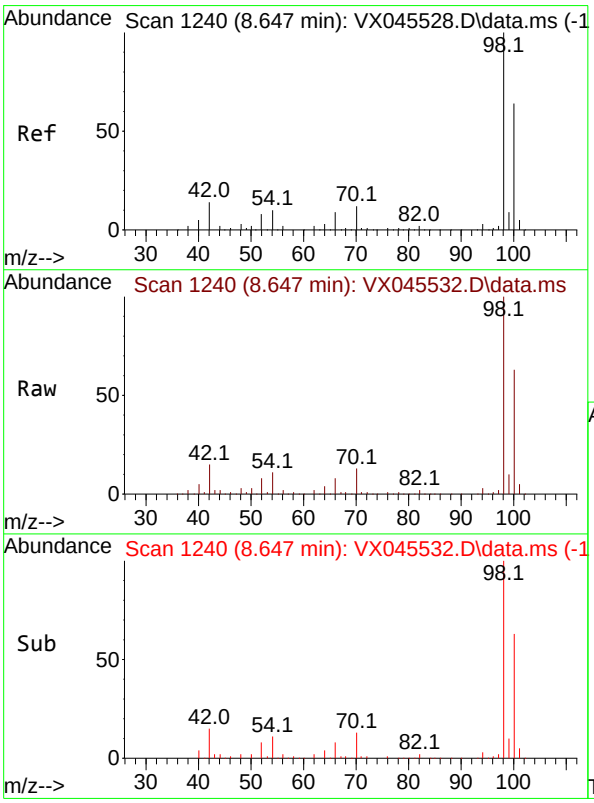
Ion	Ratio	Lower	Upper
88	100		
43	40.3	32.2	48.4
58	72.2	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

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

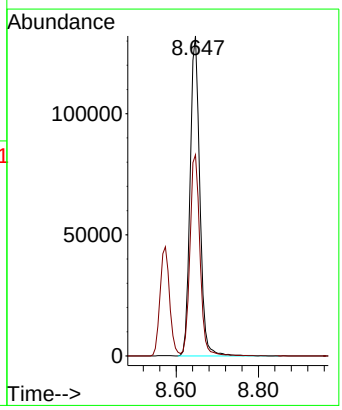


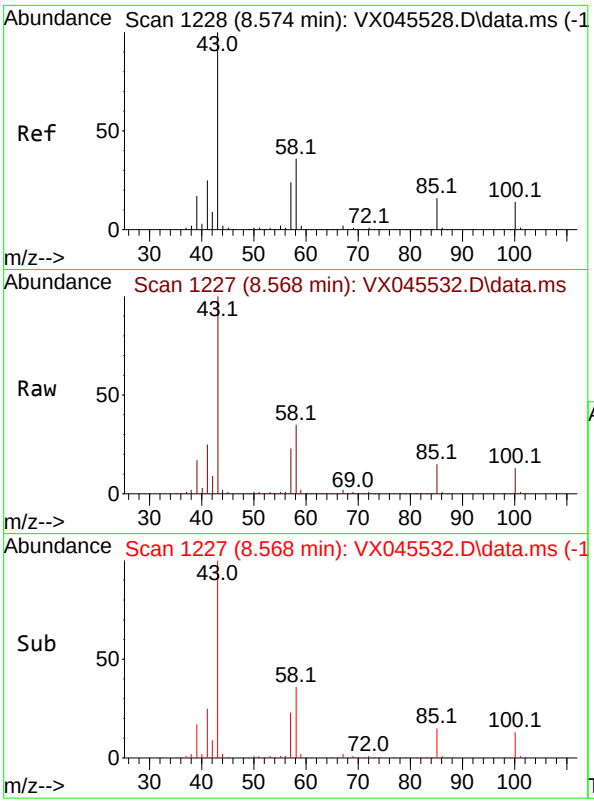


#50
Toluene-d8
Concen: 50.160 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 98 Resp: 217200

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.4

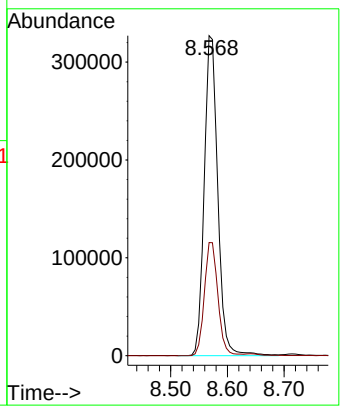




#51
4-Methyl-2-Pentanone
Concen: 254.994 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 54082

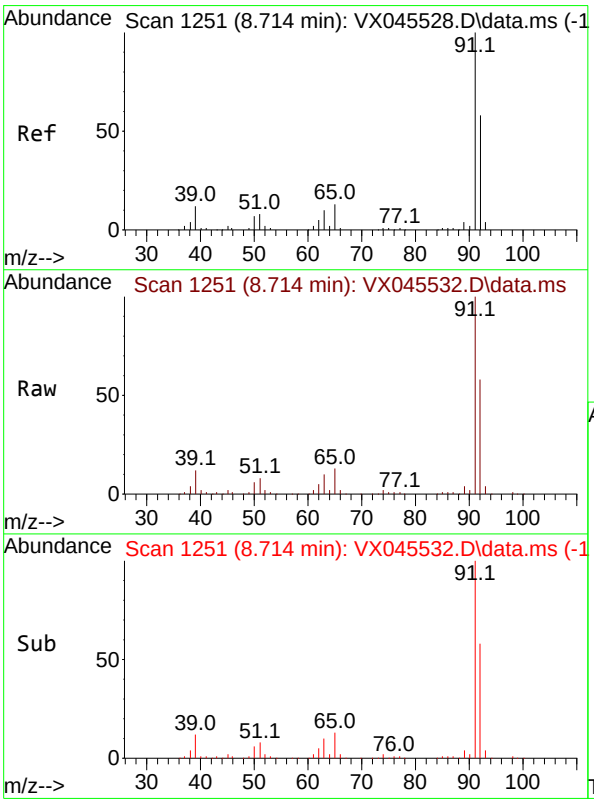
Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

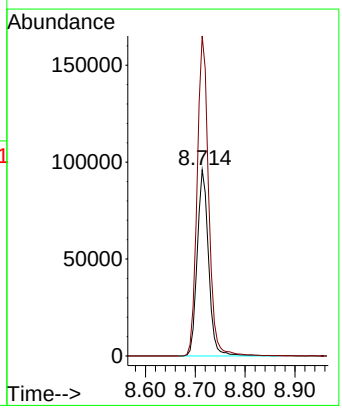
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

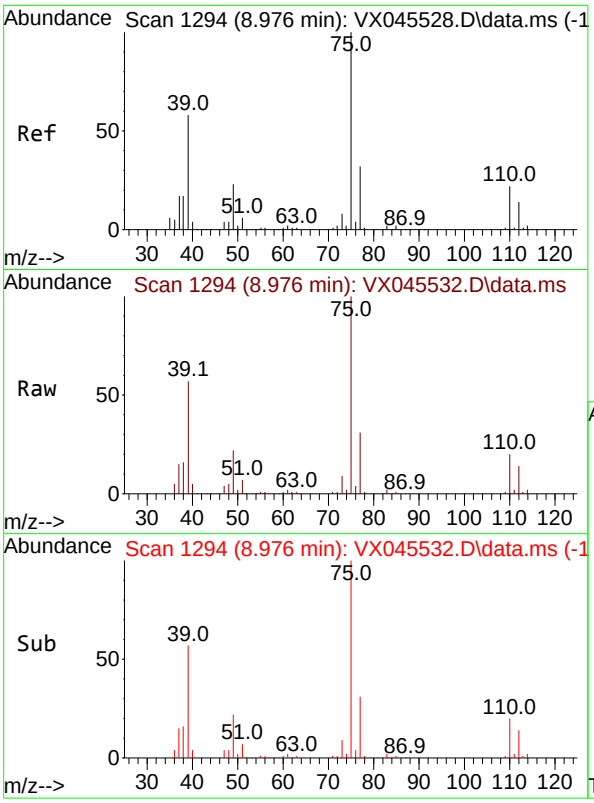


#52
Toluene
Concen: 48.994 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 92 Resp: 151664

Ion	Ratio	Lower	Upper
92	100		
91	174.0	138.7	208.1

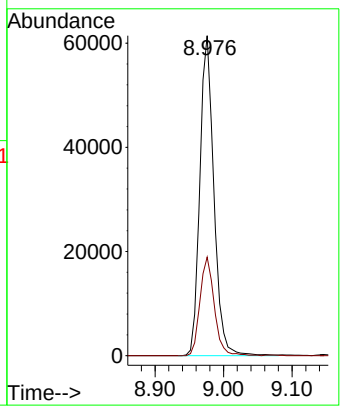




#53
t-1,3-Dichloropropene
Concen: 46.783 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 8774

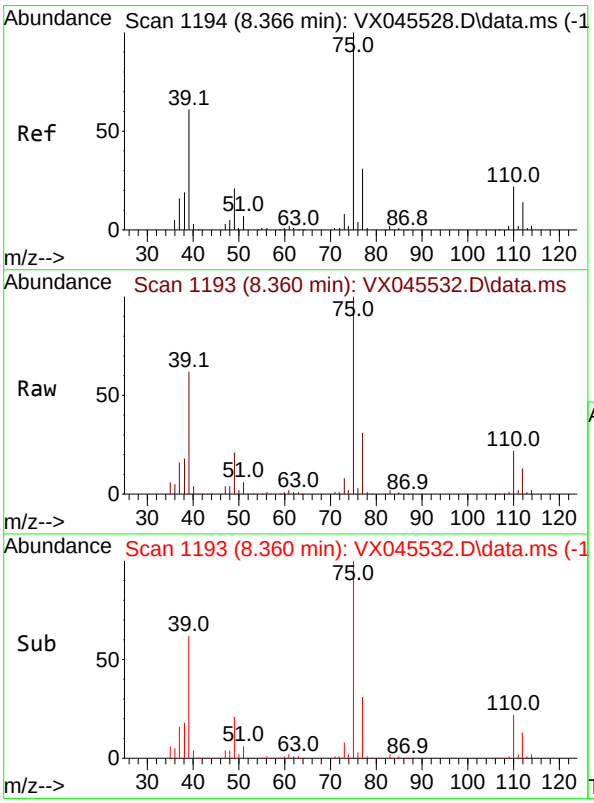
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

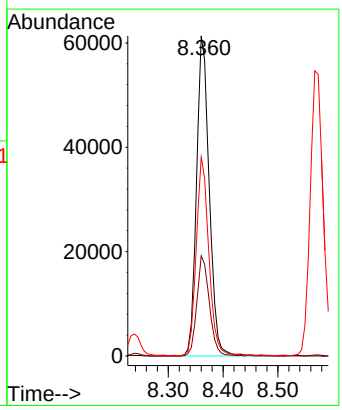
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

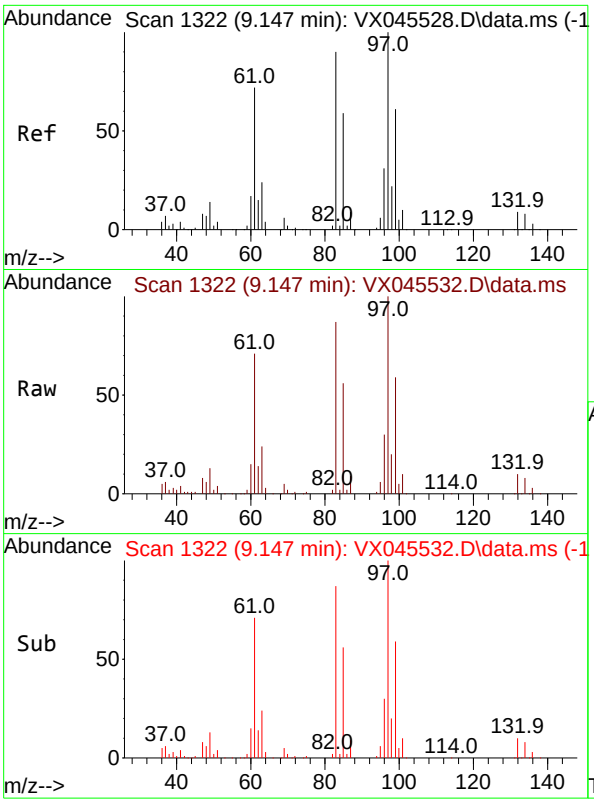


#54
cis-1,3-Dichloropropene
Concen: 53.878 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

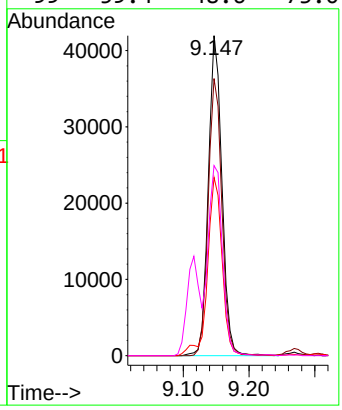




#55
1,1,2-Trichloroethane
Concen: 49.007 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 97 Resp: 6045

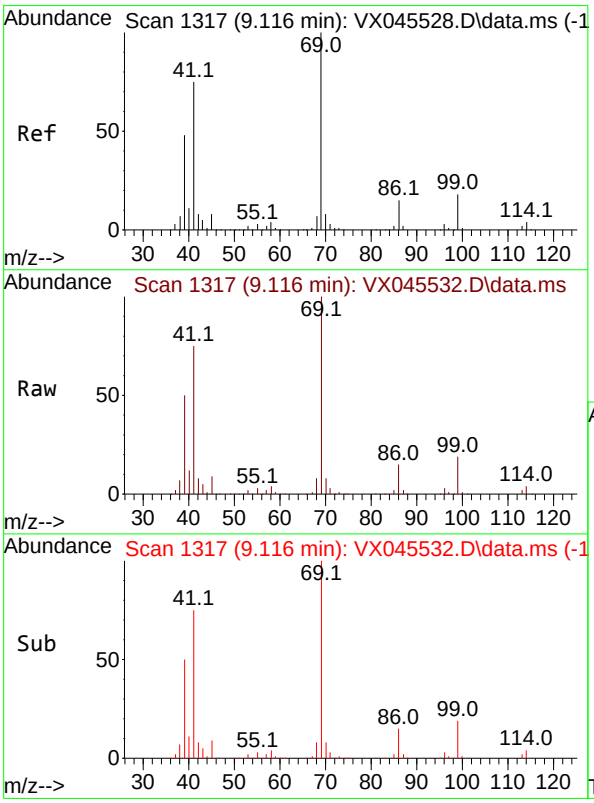
Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.8	107.8
85	55.7	47.0	70.6
99	59.4	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

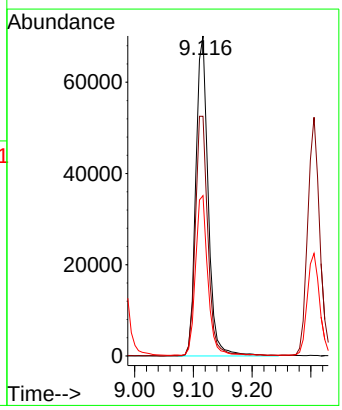
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

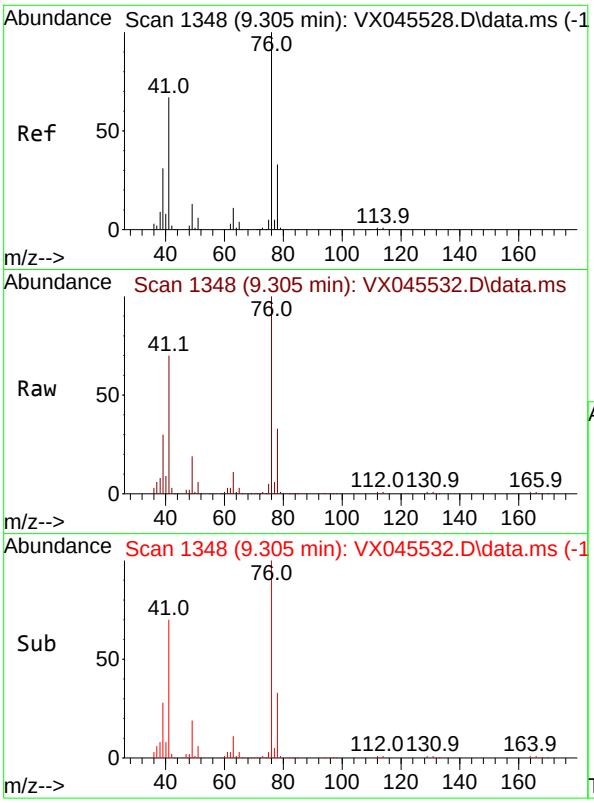


#56
Ethyl methacrylate
Concen: 53.705 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

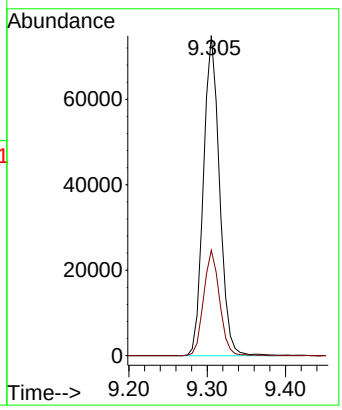




#57
1,3-Dichloropropane
Concen: 49.869 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 76 Resp: 10712

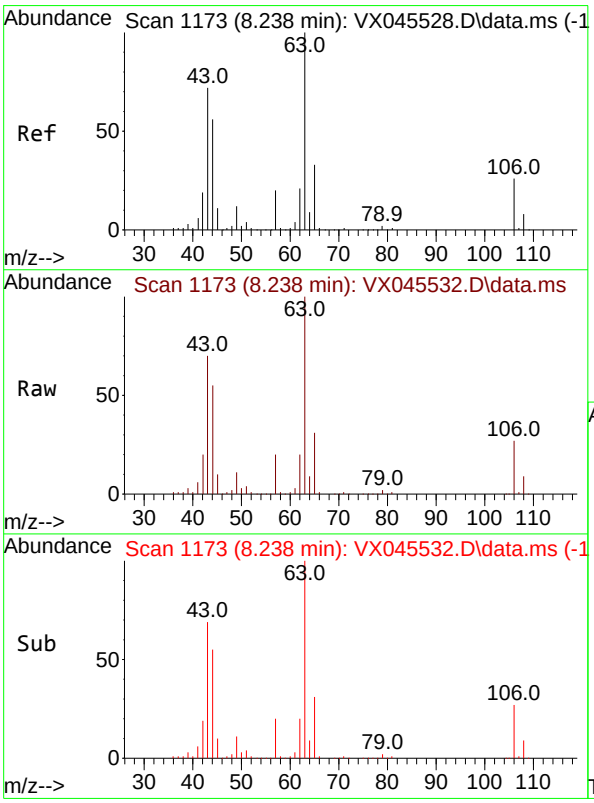
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

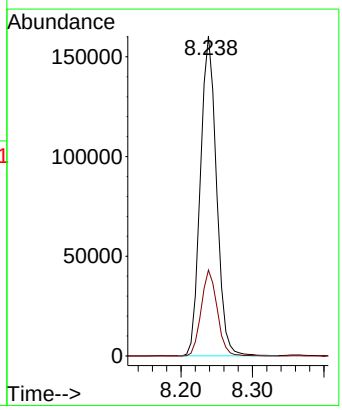
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

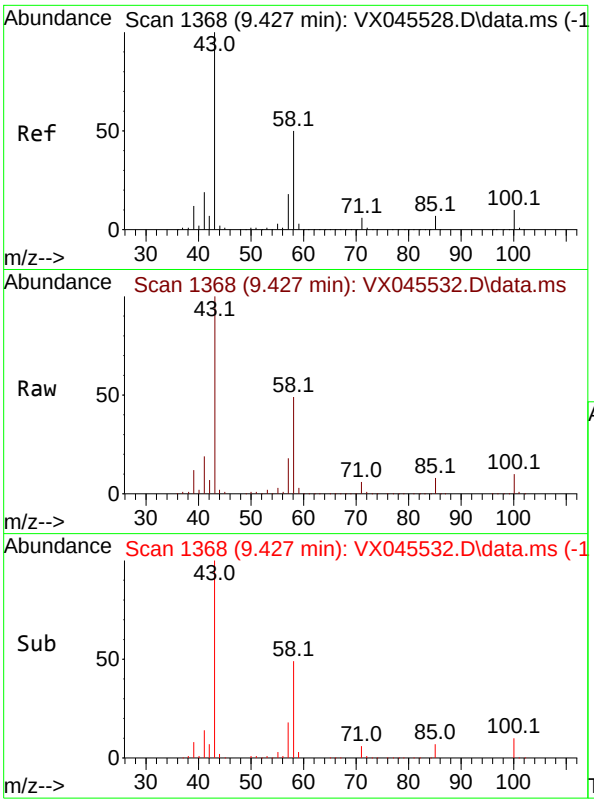


#58
2-Chloroethyl Vinyl ether
Concen: 260.201 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 63 Resp: 251285

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.6

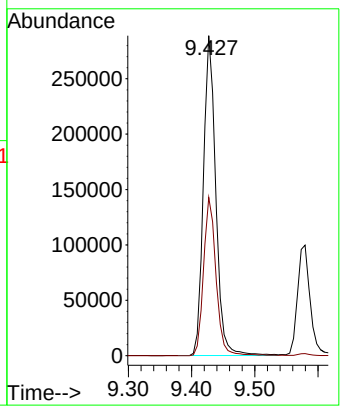




#59
2-Hexanone
Concen: 251.710 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 43 Resp: 39533

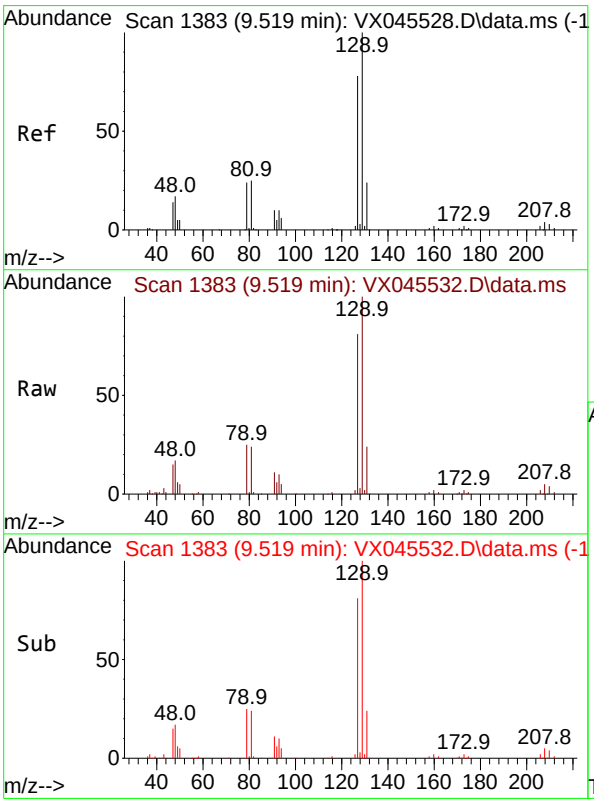
Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

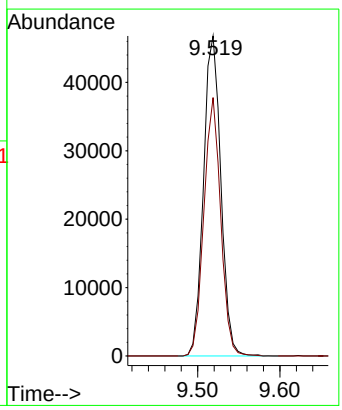
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

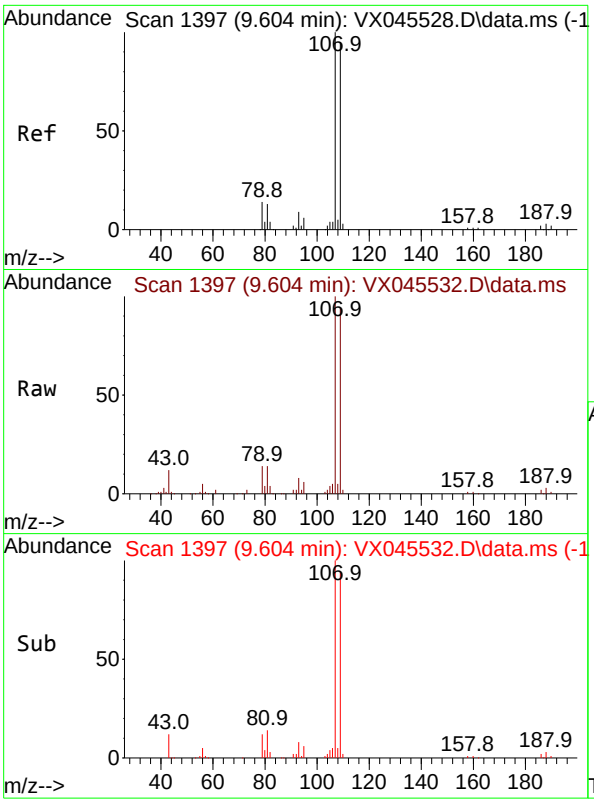


#60
Dibromochloromethane
Concen: 50.983 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:129 Resp: 68562

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.4	118.2

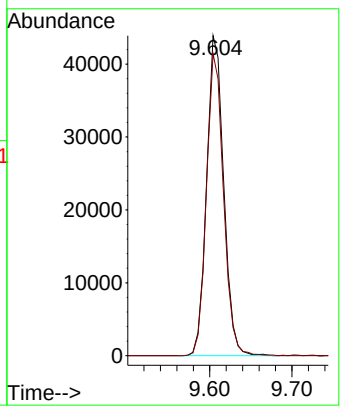




#61
1,2-Dibromoethane
Concen: 50.693 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:107 Resp: 6330

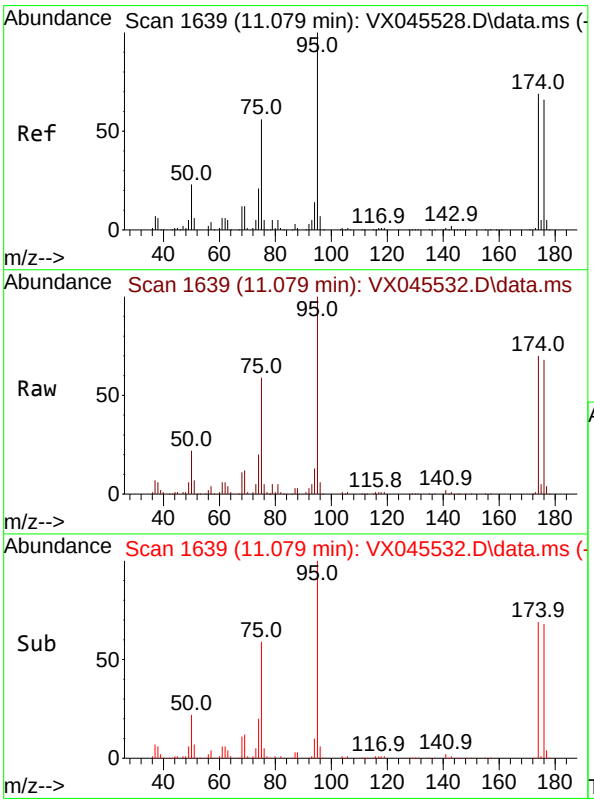
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

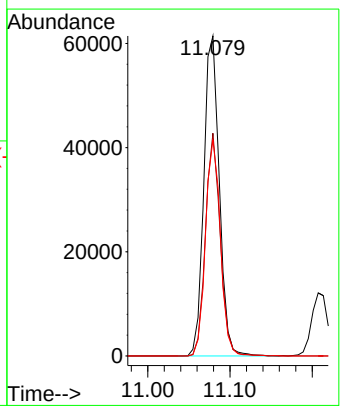
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

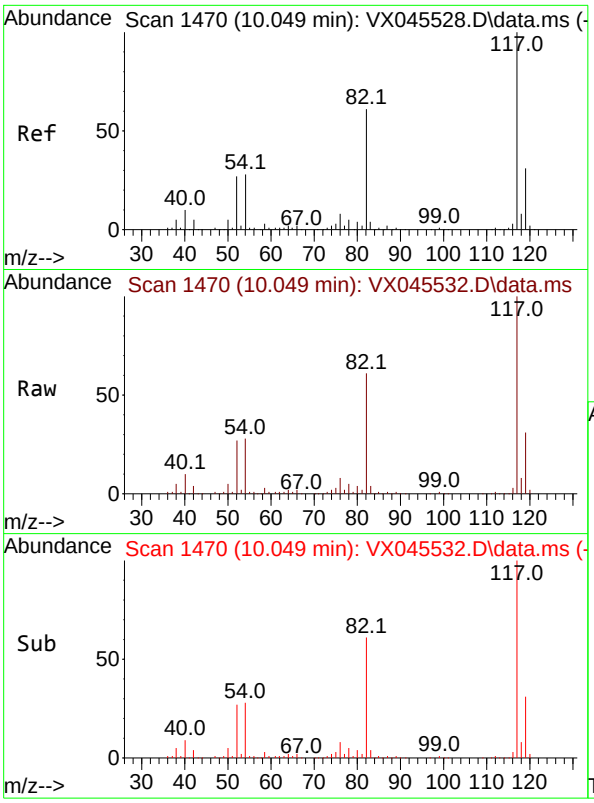


#62
4-Bromofluorobenzene
Concen: 50.959 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

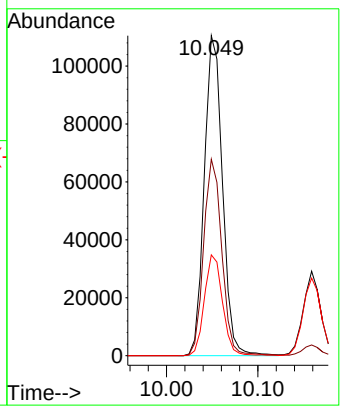




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:117 Resp: 15241

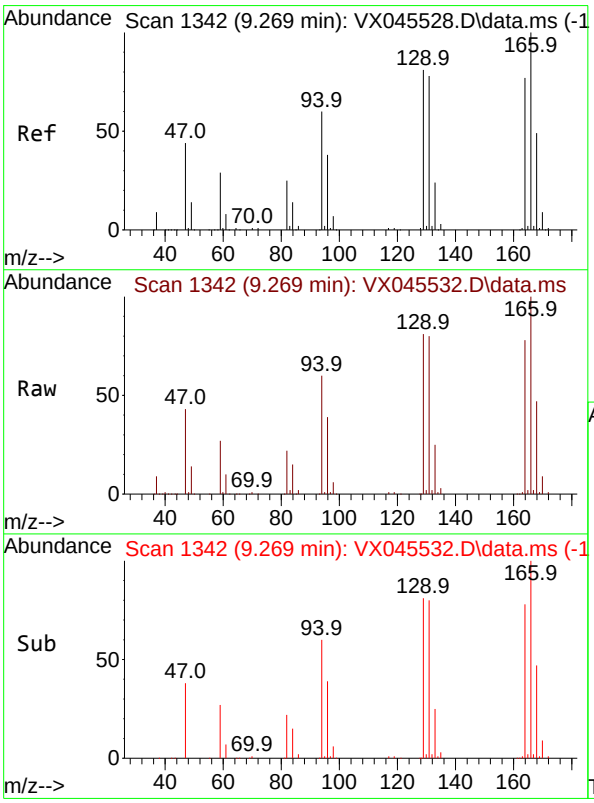
Ion	Ratio	Lower	Upper
117	100		
82	61.4	49.2	73.8
119	31.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

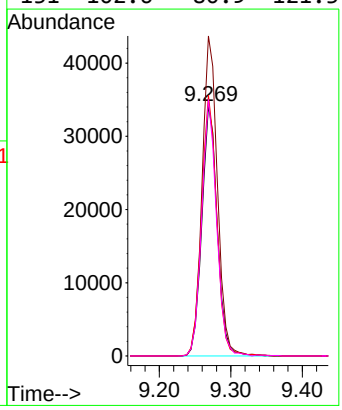
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

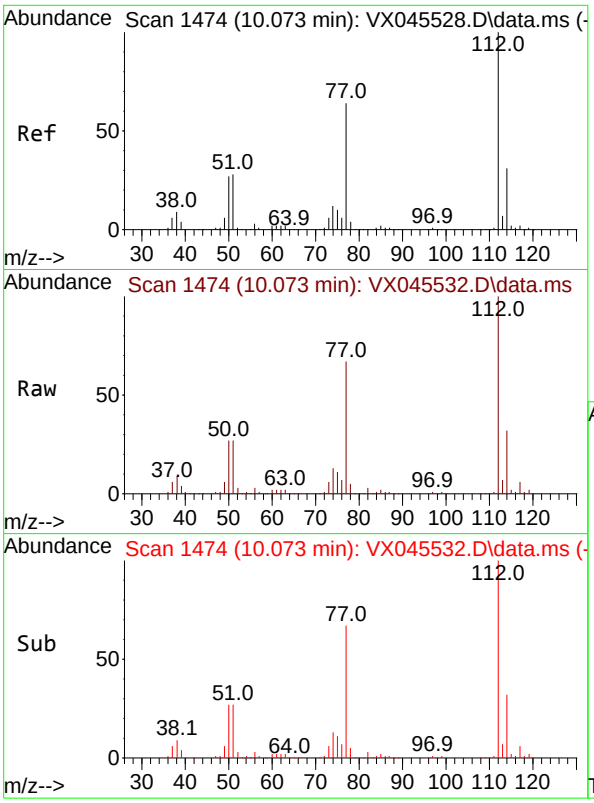


#64
Tetrachloroethene
Concen: 47.239 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

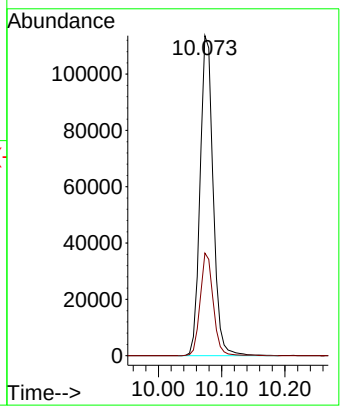




#65
Chlorobenzene
Concen: 50.207 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:112 Resp: 16351

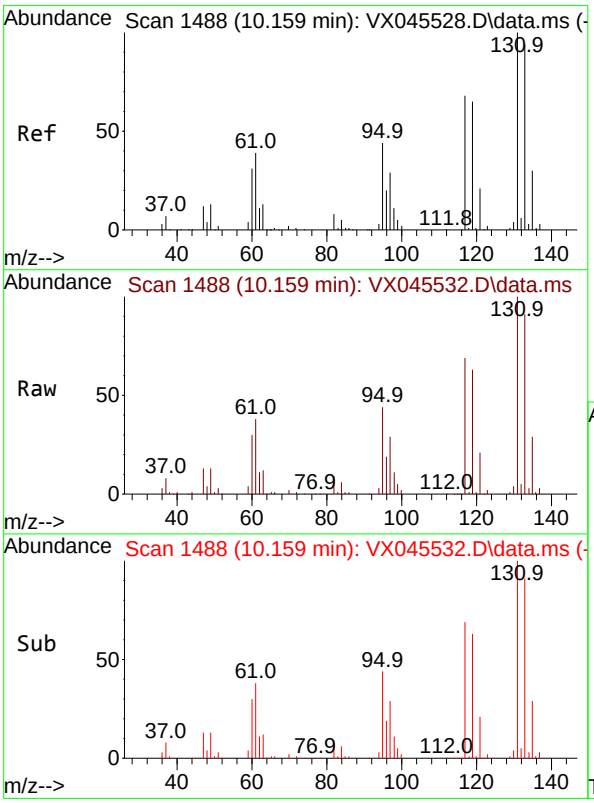
Ion	Ratio	Lower	Upper
112	100		
114	32.0	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

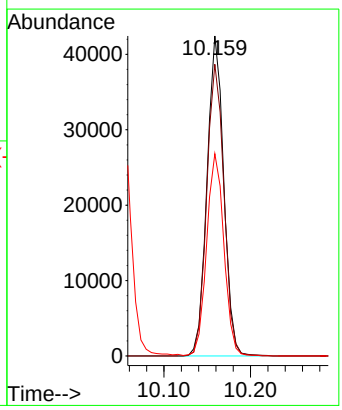
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

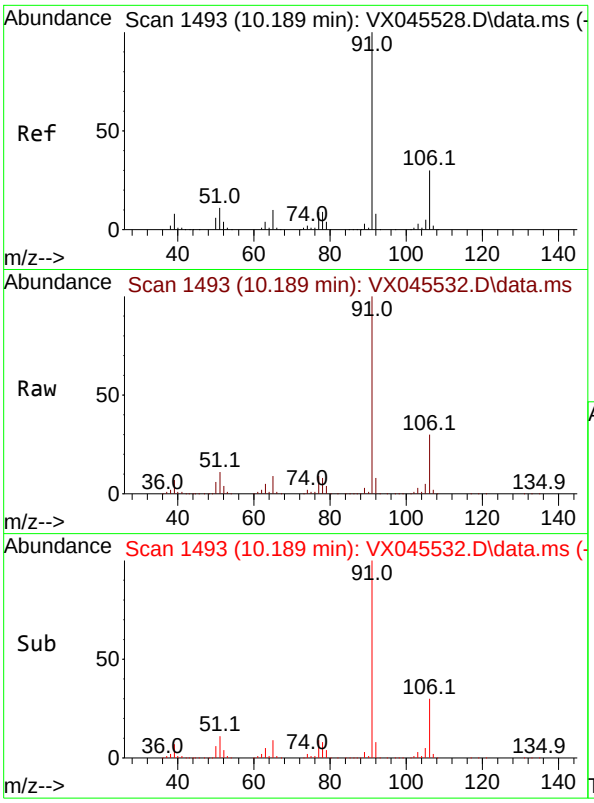


#66
1,1,1,2-Tetrachloroethane
Concen: 50.495 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

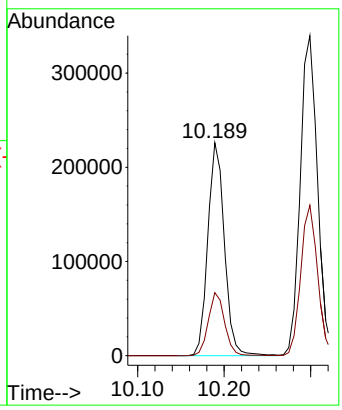




#67
Ethyl Benzene
Concen: 51.558 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 30074

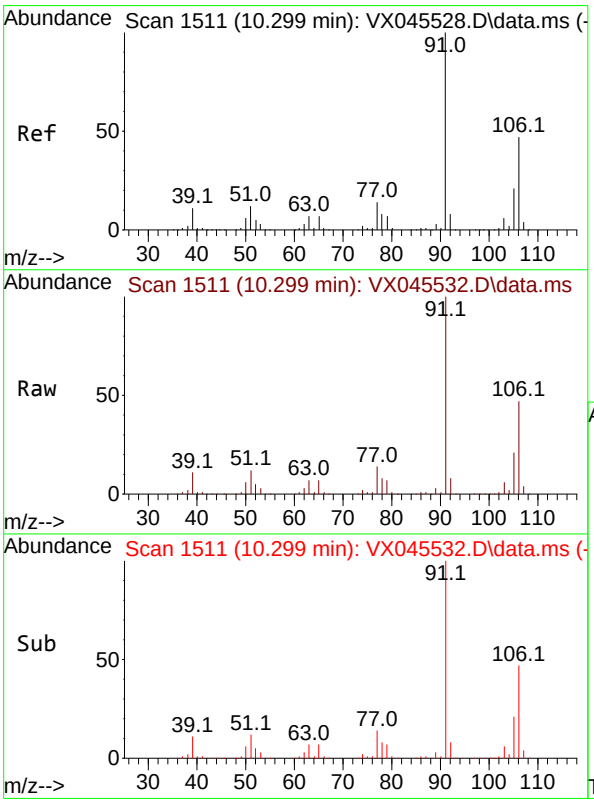
Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

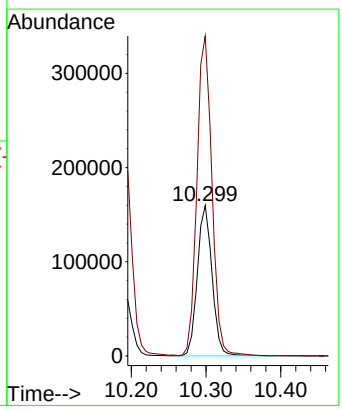
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

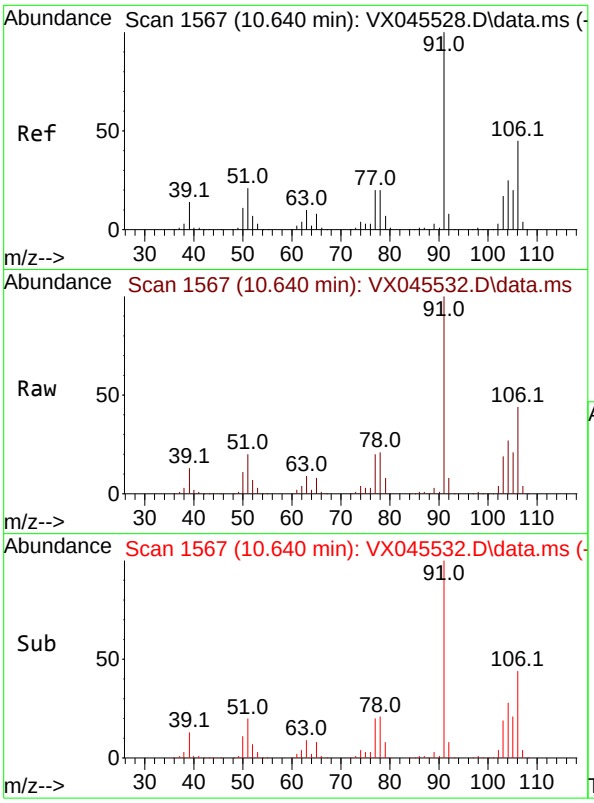


#68
m/p-Xylenes
Concen: 102.728 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:106 Resp: 217943

Ion	Ratio	Lower	Upper
106	100		
91	217.6	172.6	258.8

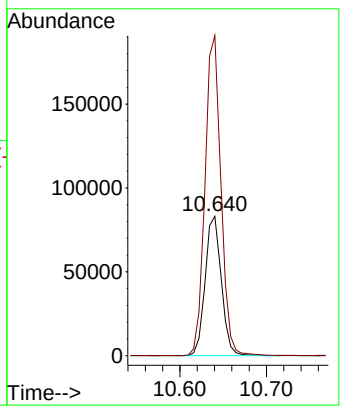




#69
o-Xylene
Concen: 51.650 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:106 Resp: 10794

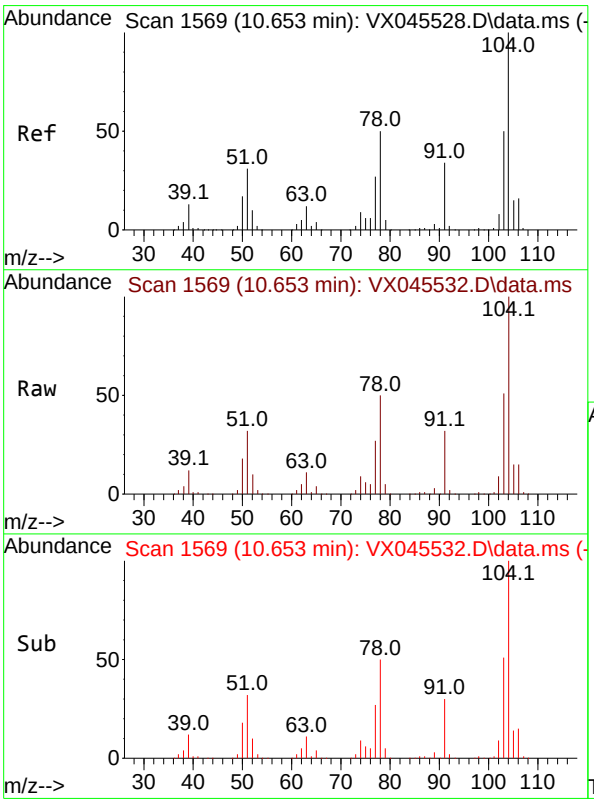
Ion	Ratio	Lower	Upper
106	100		
91	226.8	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

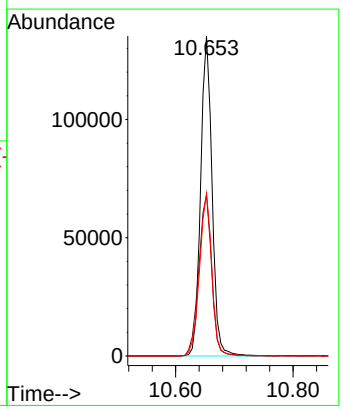
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

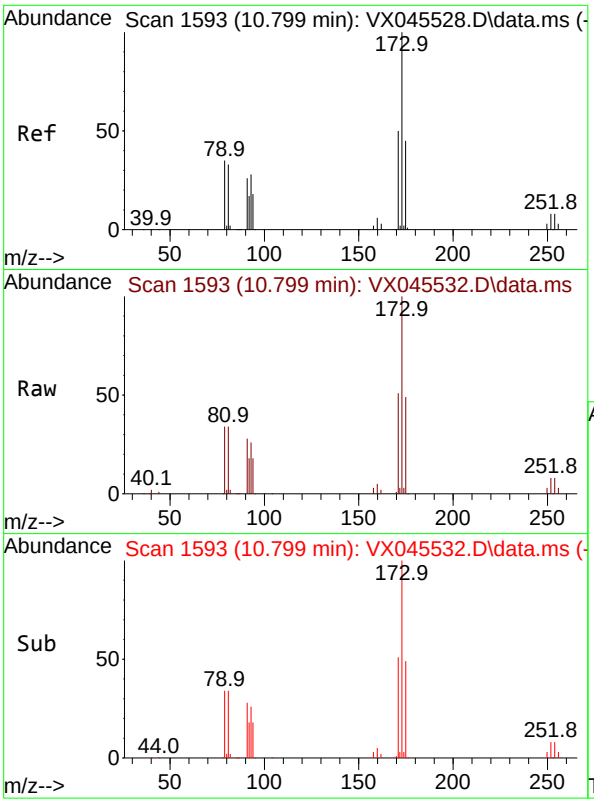


#70
Styrene
Concen: 52.624 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

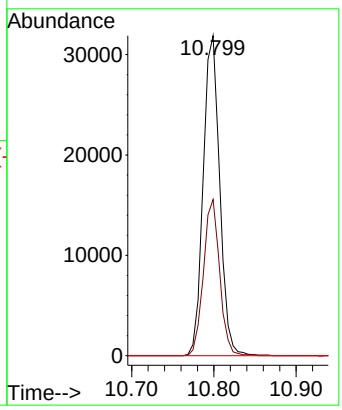




#71
Bromoform
Concen: 52.694 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:173 Resp: 4448

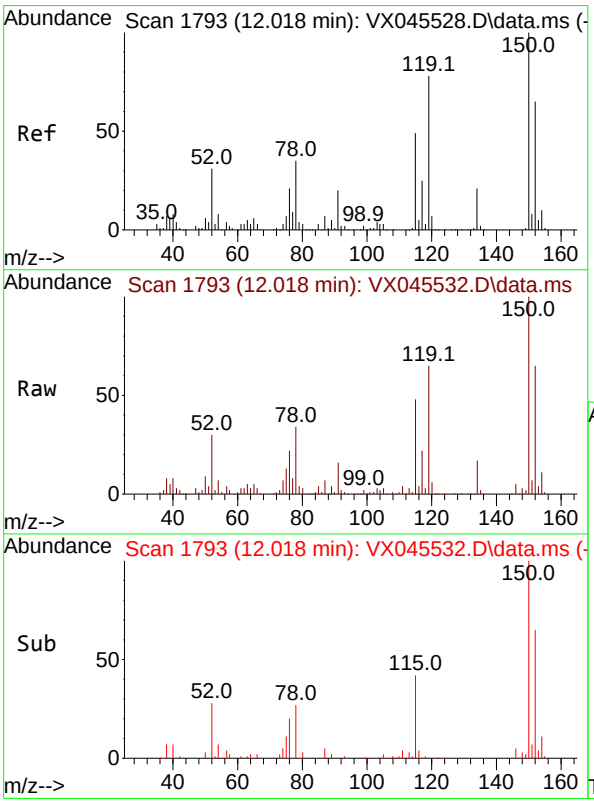
Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

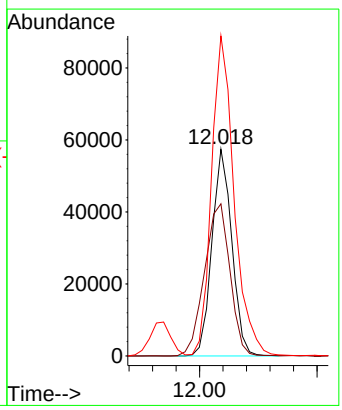
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

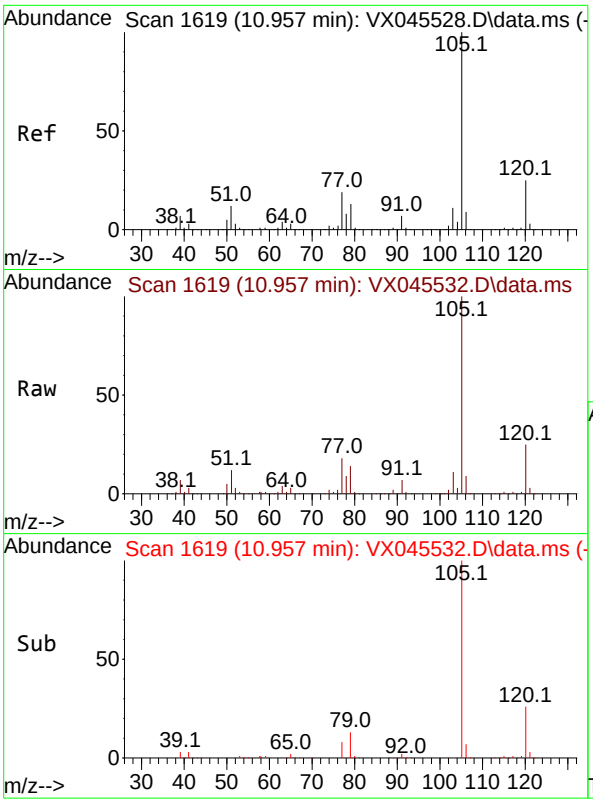


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

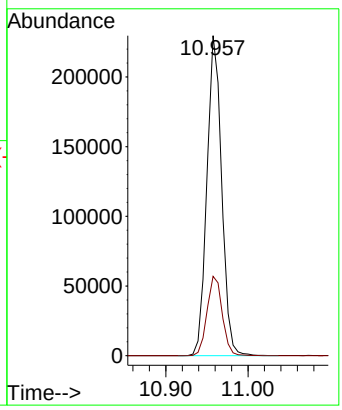




#73
Isopropylbenzene
Concen: 52.794 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:105 Resp: 28601

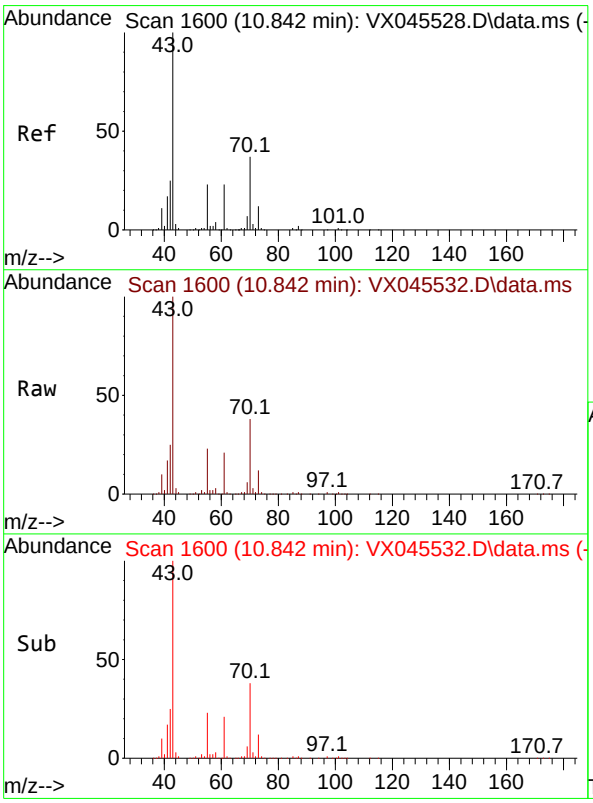
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

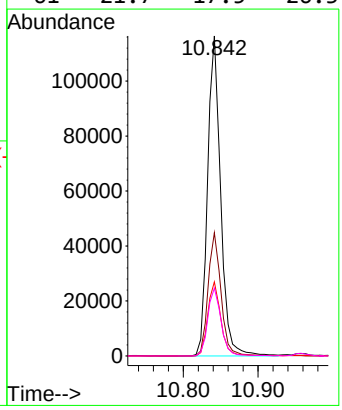
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

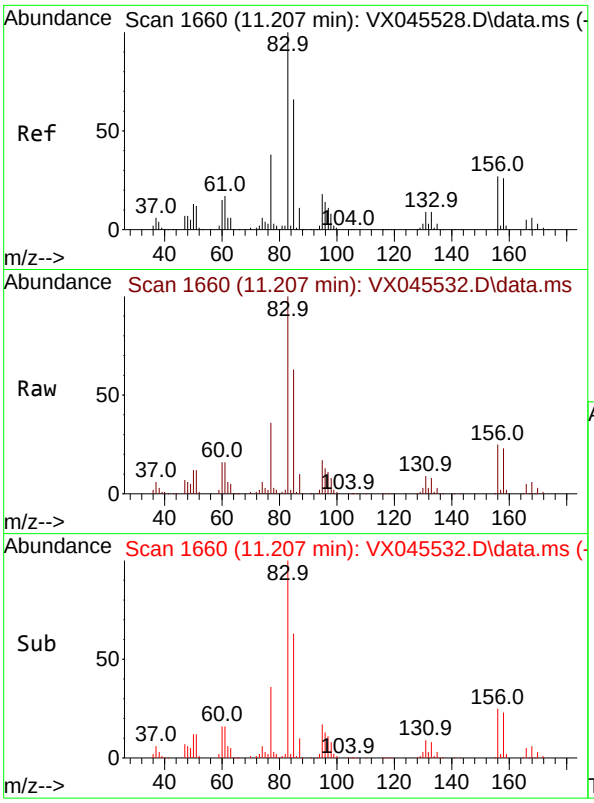


#74
N-amyl acetate
Concen: 54.387 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

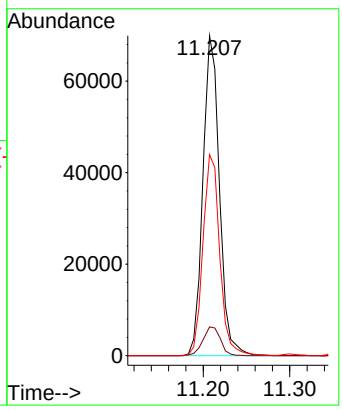




#75
1,1,2,2-Tetrachloroethane
Concen: 48.608 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 83 Resp: 9250

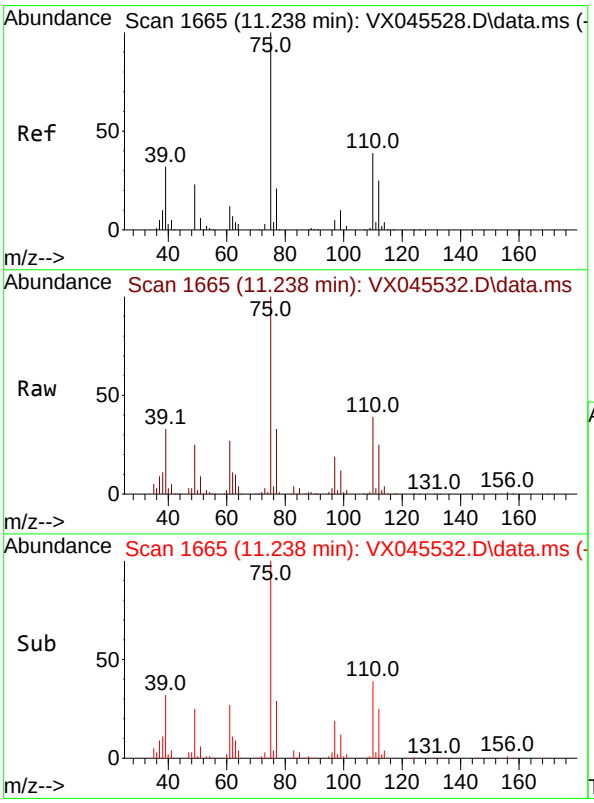
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	63.9	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

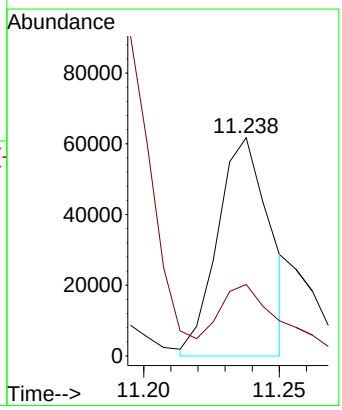
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

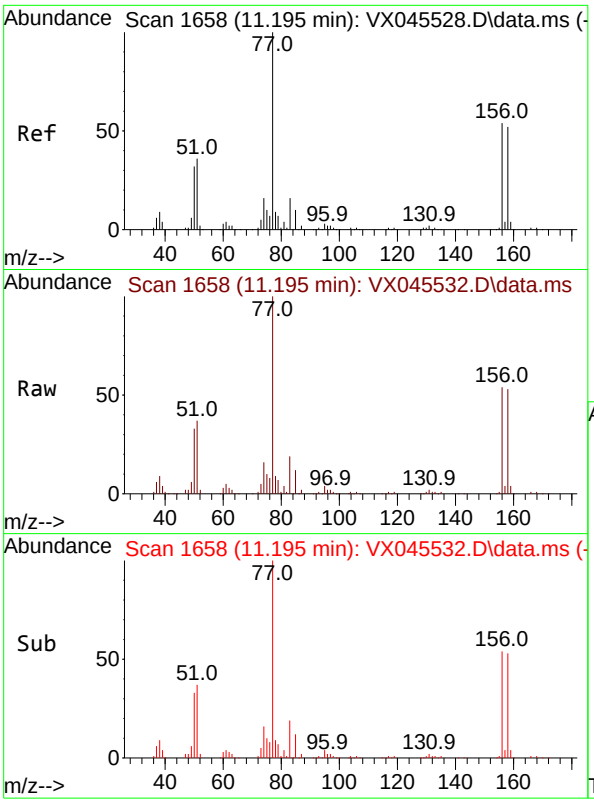


#76
1,2,3-Trichloropropane
Concen: 49.741 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 82060

Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.0	59.9

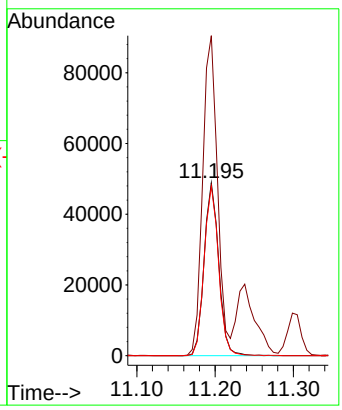




#77
Bromobenzene
Concen: 50.525 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:156 Resp: 6324

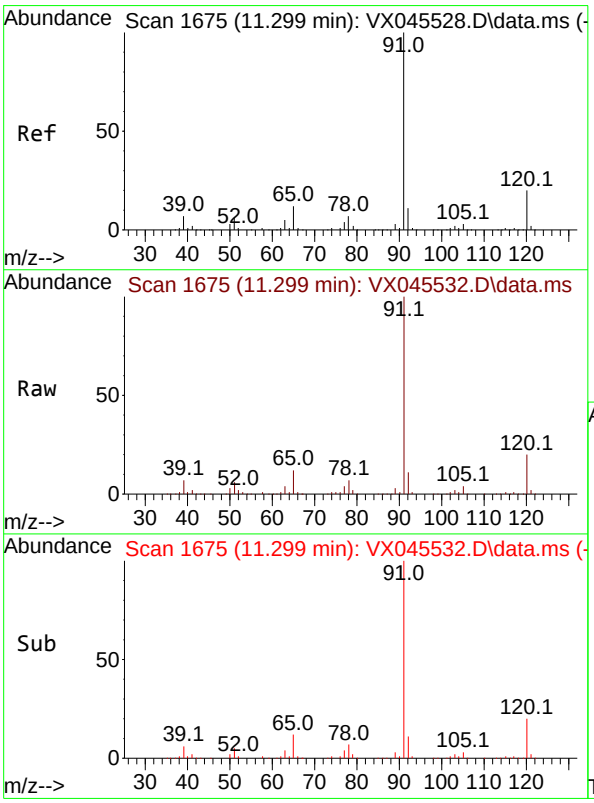
Ion	Ratio	Lower	Upper
156	100		
77	188.0	92.6	277.8
158	97.5	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

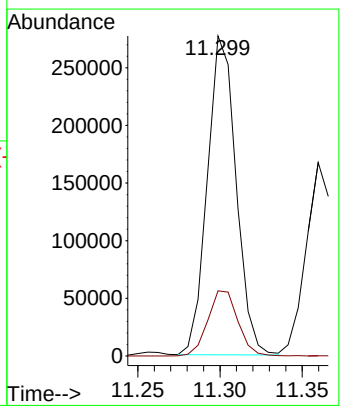
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

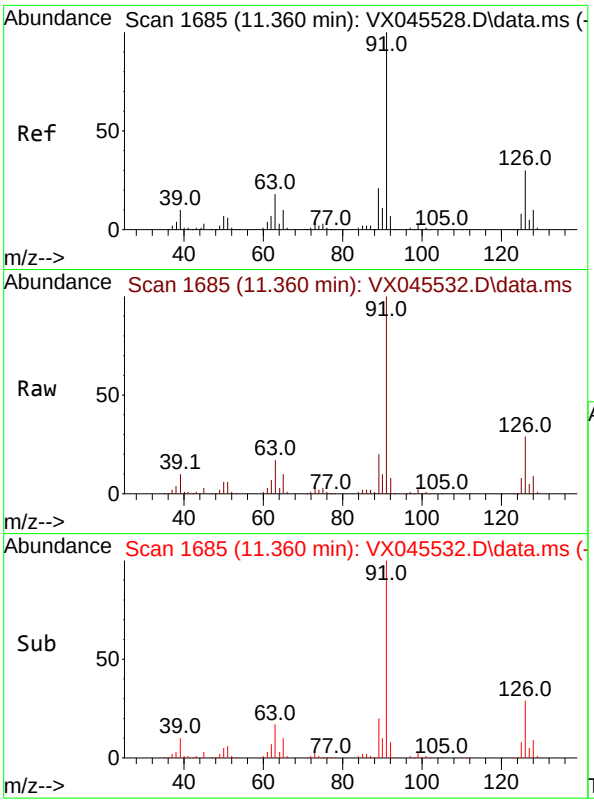


#78
n-propylbenzene
Concen: 53.967 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 336753

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.3

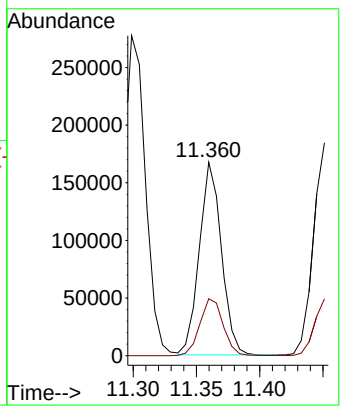




#79
2-Chlorotoluene
Concen: 51.057 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 20367

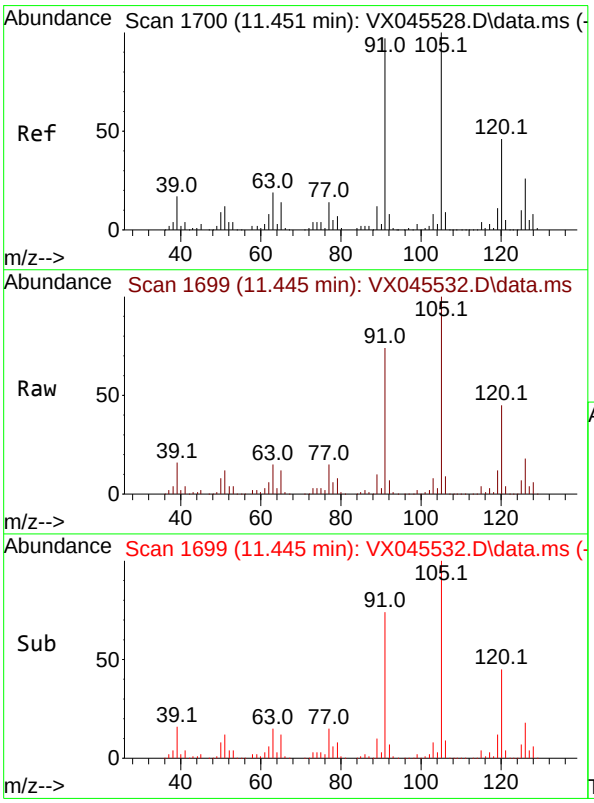
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

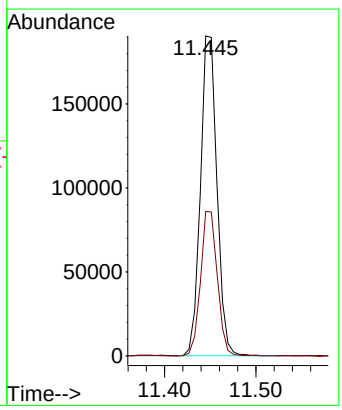
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

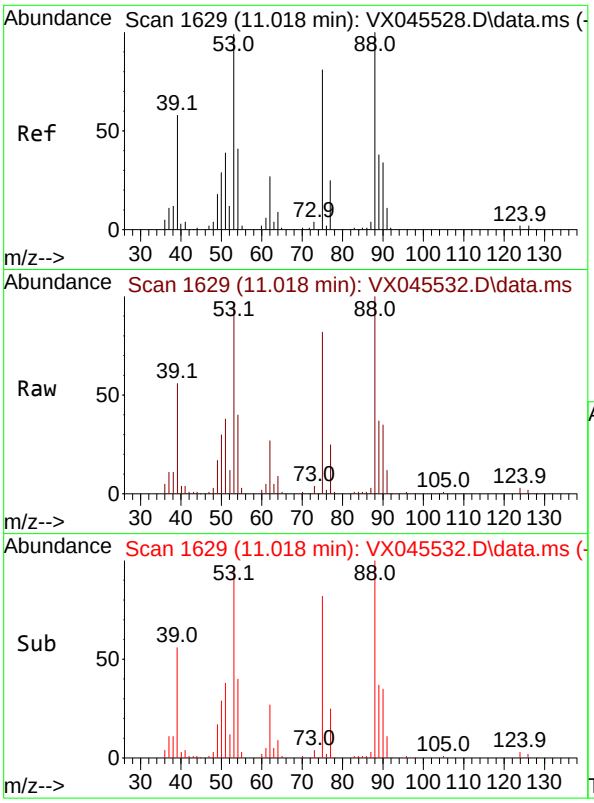


#80
1,3,5-Trimethylbenzene
Concen: 53.534 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:105 Resp: 239822

Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.0	69.0

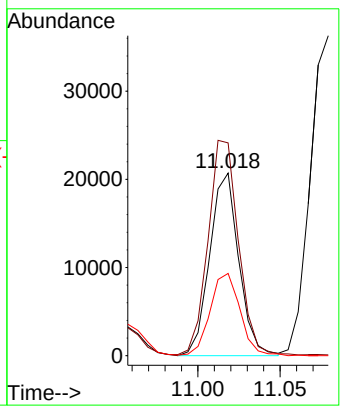




#81
trans-1,4-Dichloro-2-butene
Concen: 52.482 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 75 Resp: 2551

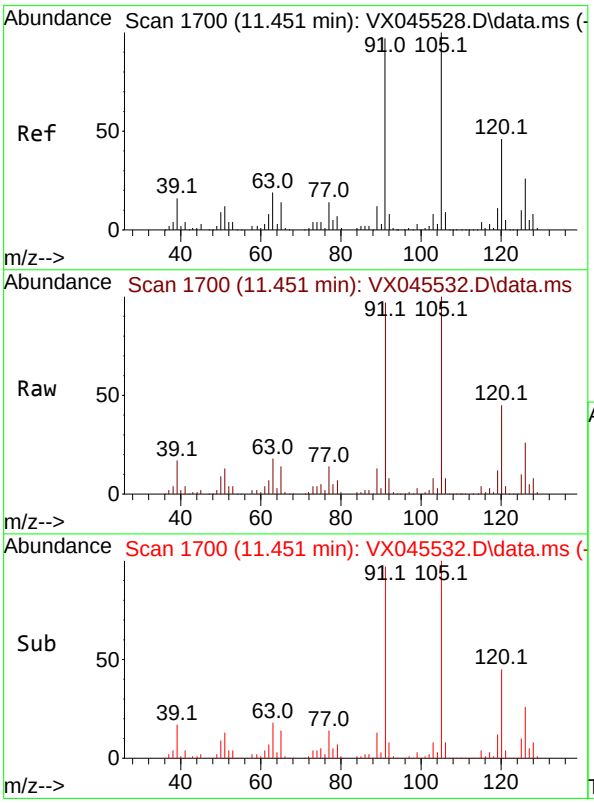
Ion	Ratio	Lower	Upper
75	100		
53	124.4	101.8	152.6
89	46.4	37.2	55.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

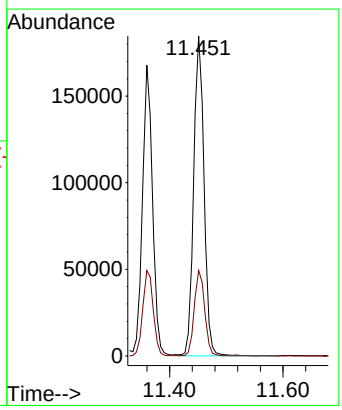
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

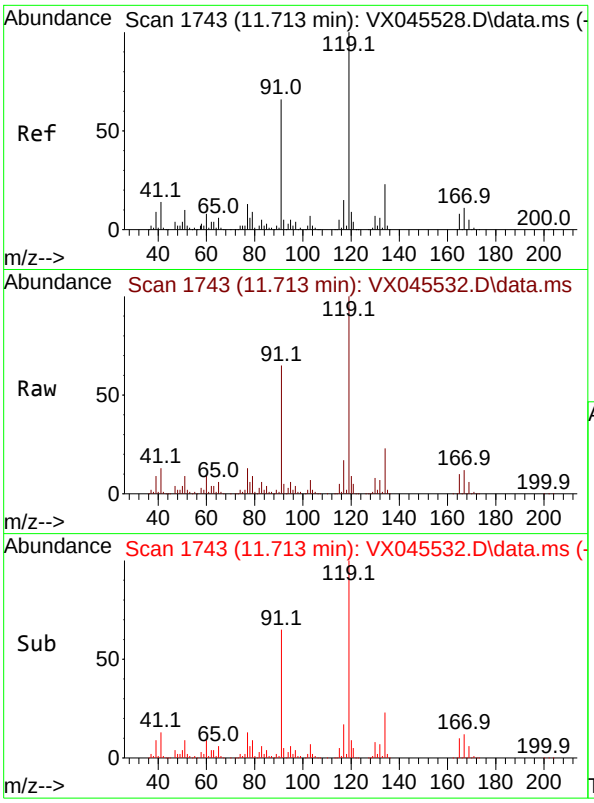


#82
4-Chlorotoluene
Concen: 52.422 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 233159

Ion	Ratio	Lower	Upper
91	100		
126	26.8	13.3	39.9

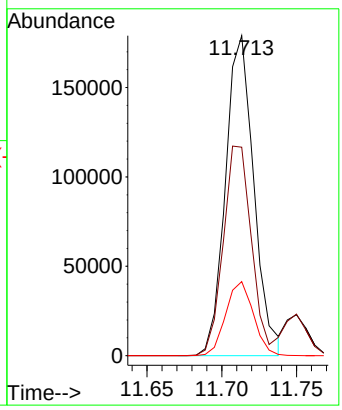




#83
tert-Butylbenzene
Concen: 53.274 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:119 Resp: 23627

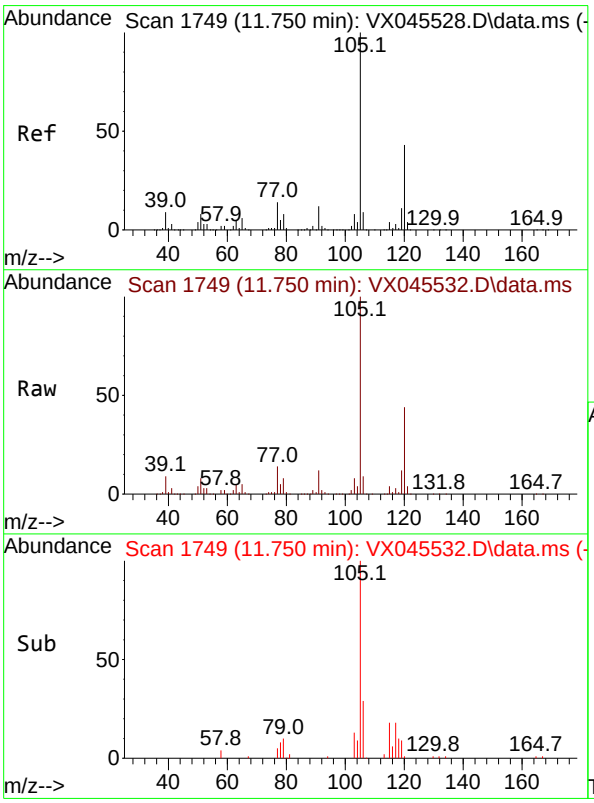
Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.4	97.2
134	22.6	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

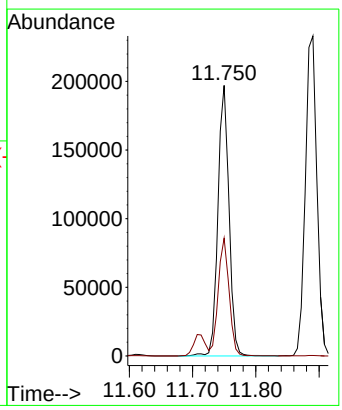
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

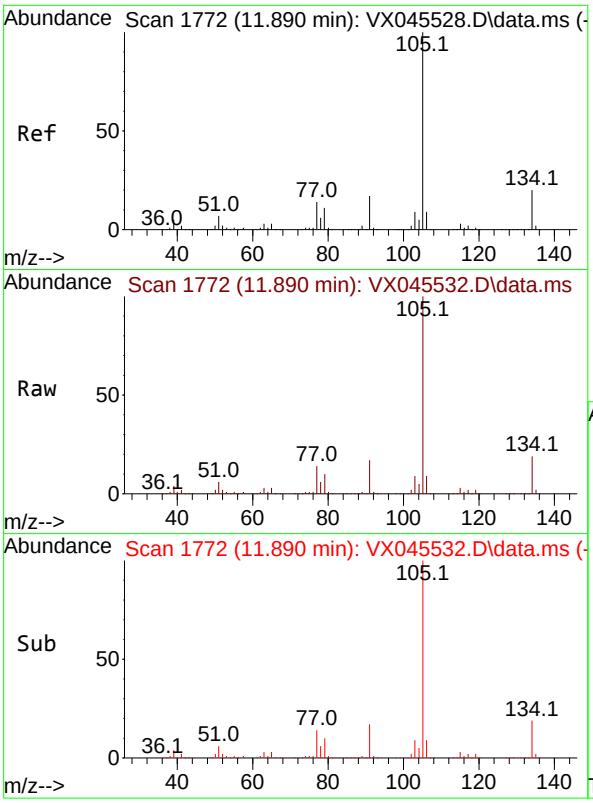


#84
1,2,4-Trimethylbenzene
Concen: 52.990 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:105 Resp: 238257

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.4	64.3

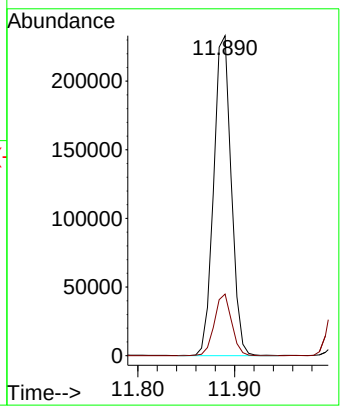




#85
sec-Butylbenzene
Concen: 53.903 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:105 Resp: 29363

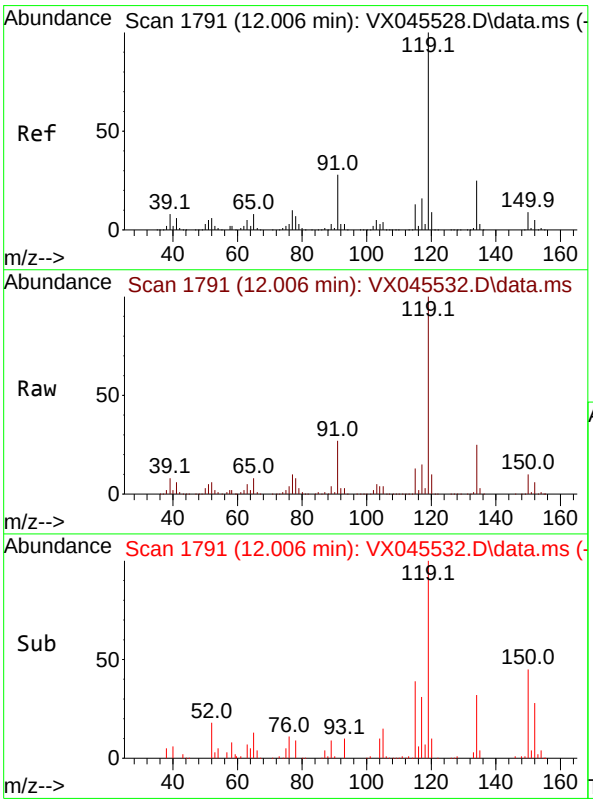
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

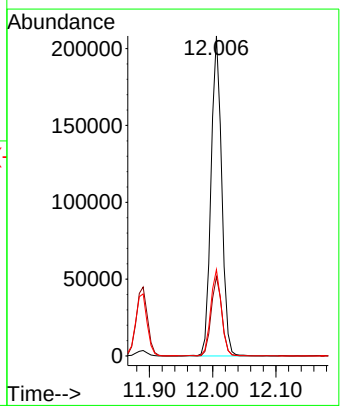
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

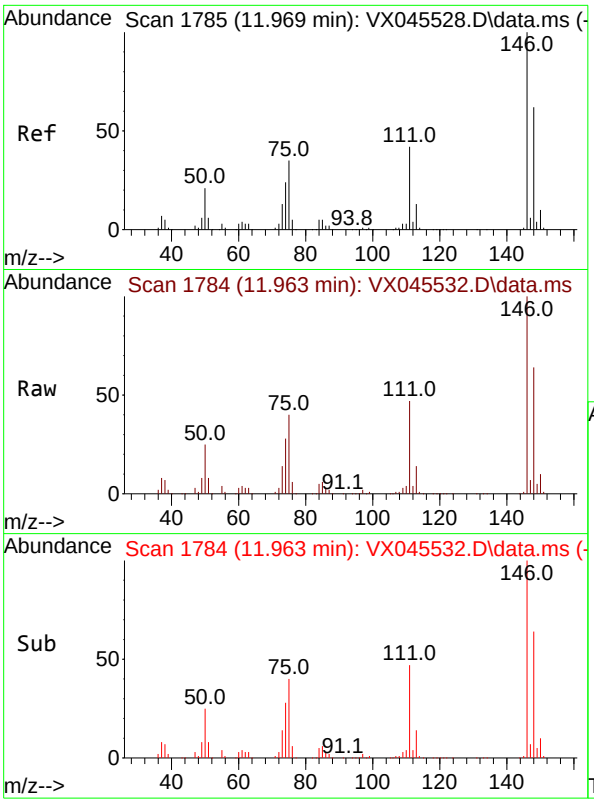


#86
p-Isopropyltoluene
Concen: 54.337 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

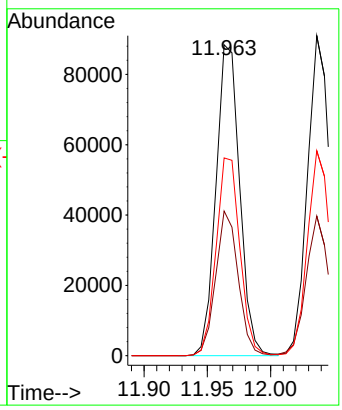




#87
1,3-Dichlorobenzene
Concen: 50.521 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:146 Resp: 11511

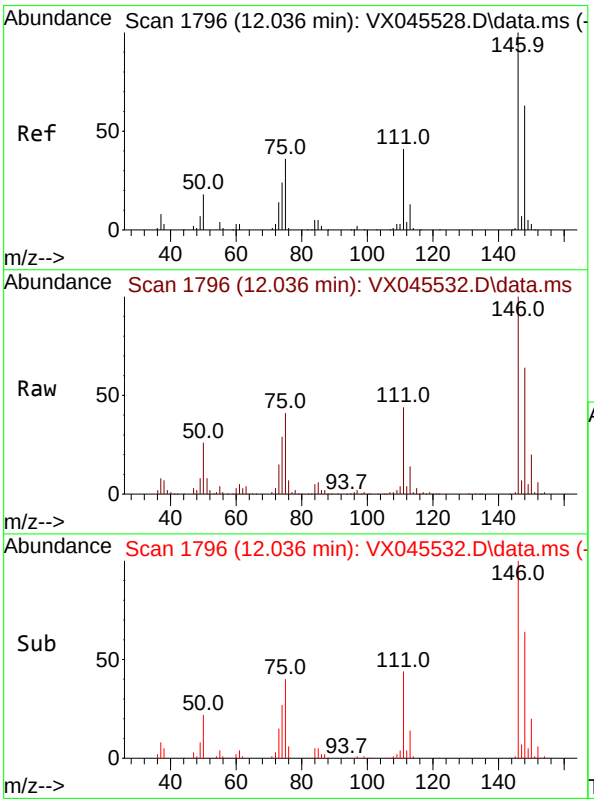
Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	63.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

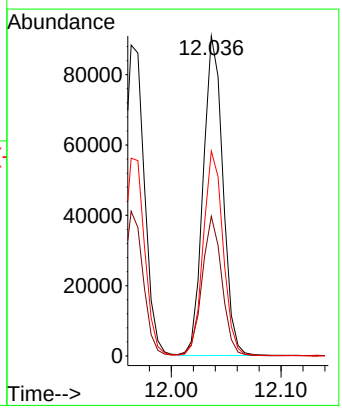
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

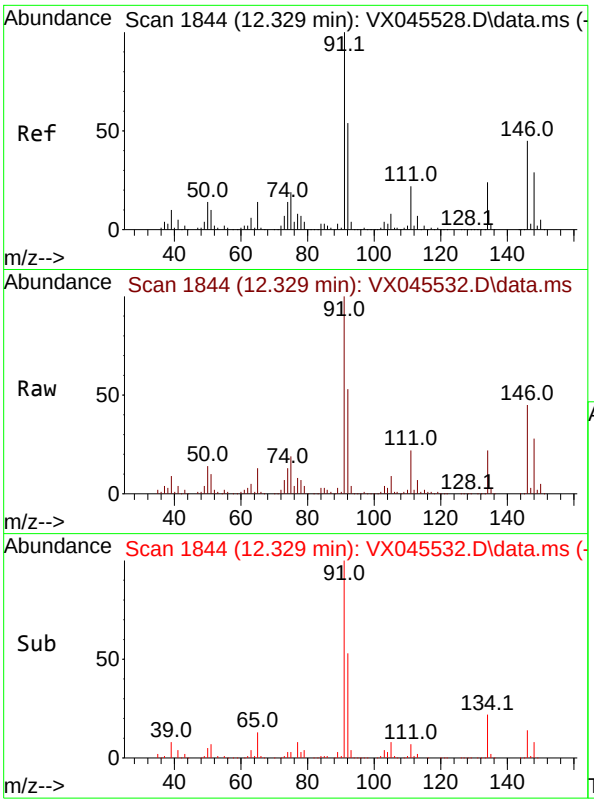


#88
1,4-Dichlorobenzene
Concen: 49.117 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

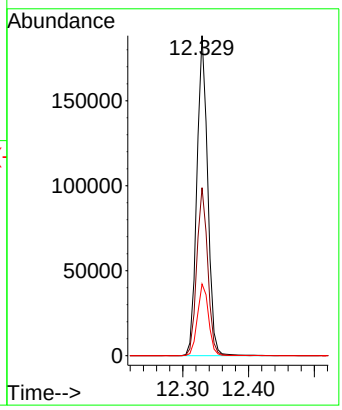




#89
n-Butylbenzene
Concen: 55.189 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion: 91 Resp: 21493

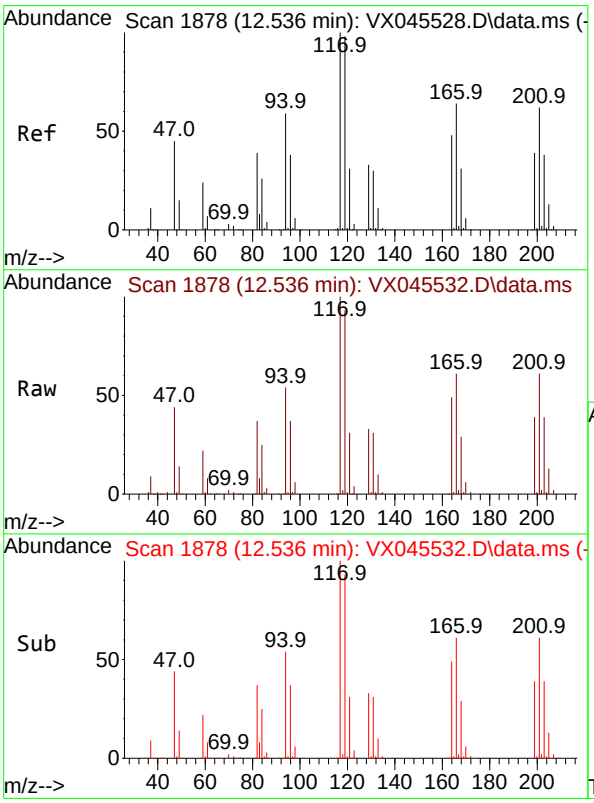
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.6
134	23.0	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

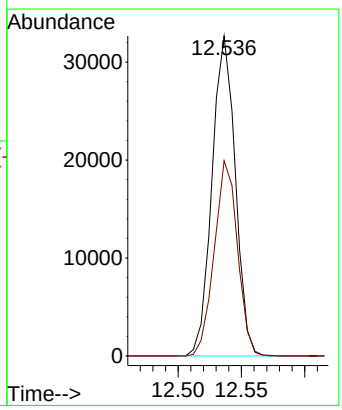
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

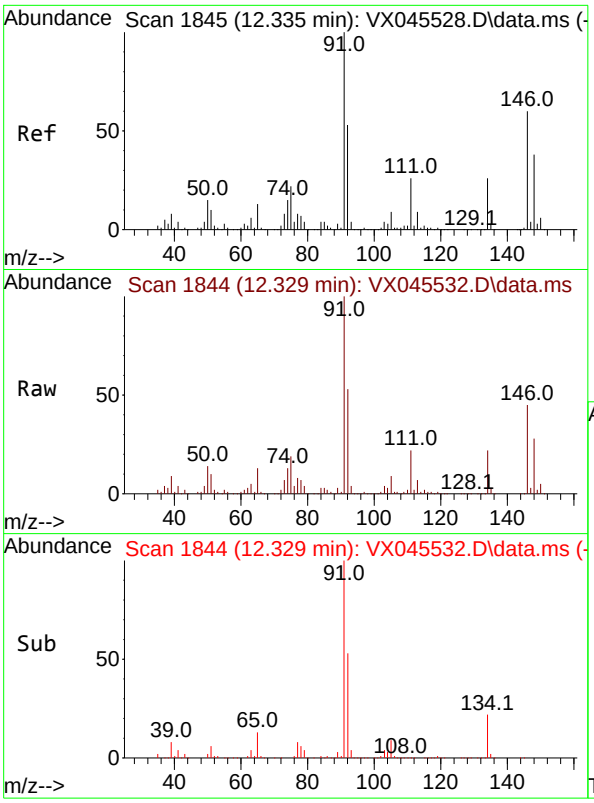


#90
Hexachloroethane
Concen: 54.066 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:117 Resp: 41729

Ion	Ratio	Lower	Upper
117	100		
201	61.0	31.2	93.6

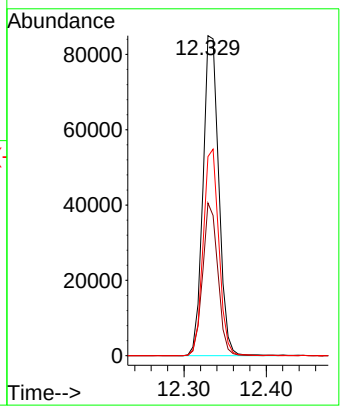




#91
1,2-Dichlorobenzene
Concen: 49.938 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:146 Resp: 11312

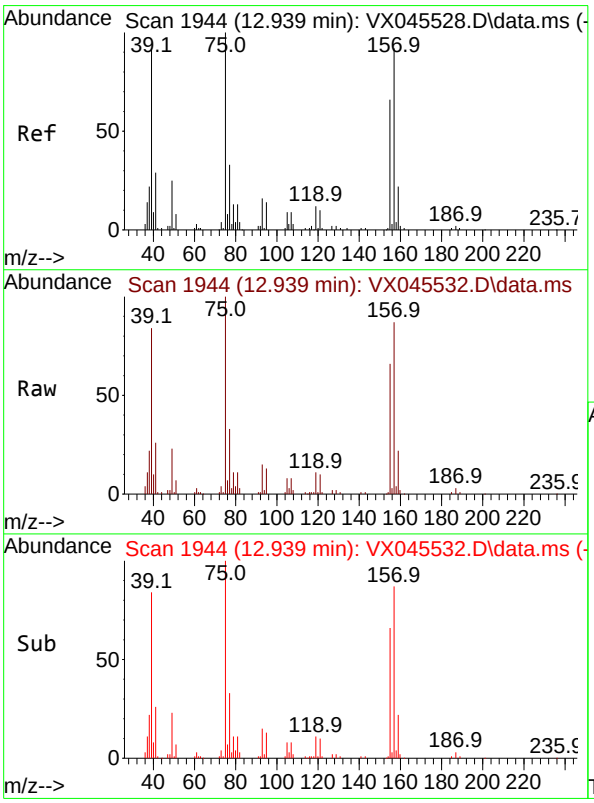
Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.8
148	64.1	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

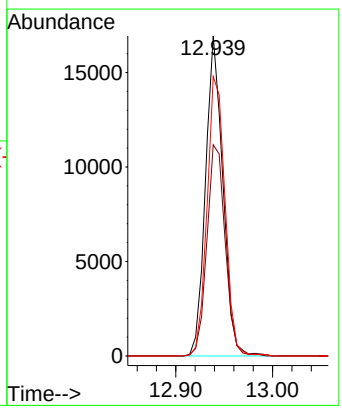
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

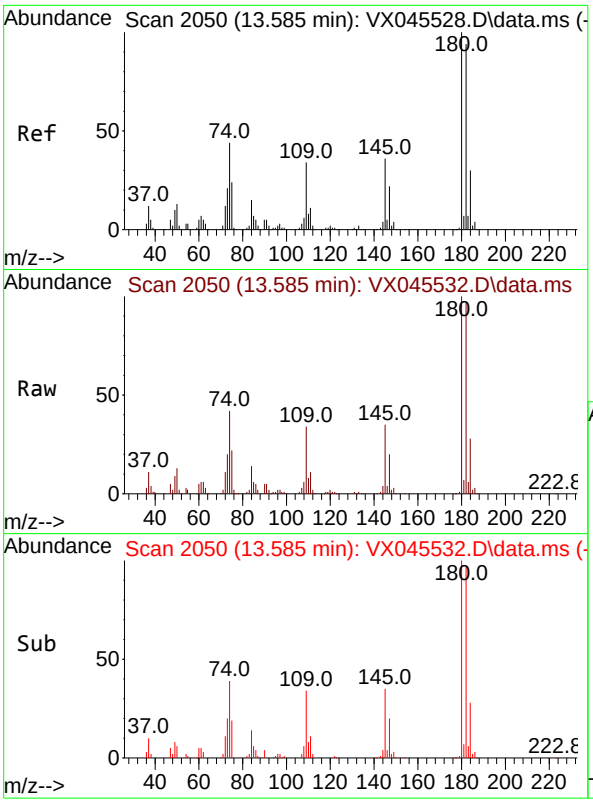


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.226 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

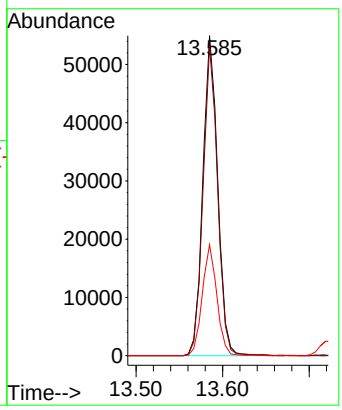




#93
1,2,4-Trichlorobenzene
Concen: 51.935 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:180 Resp: 6548

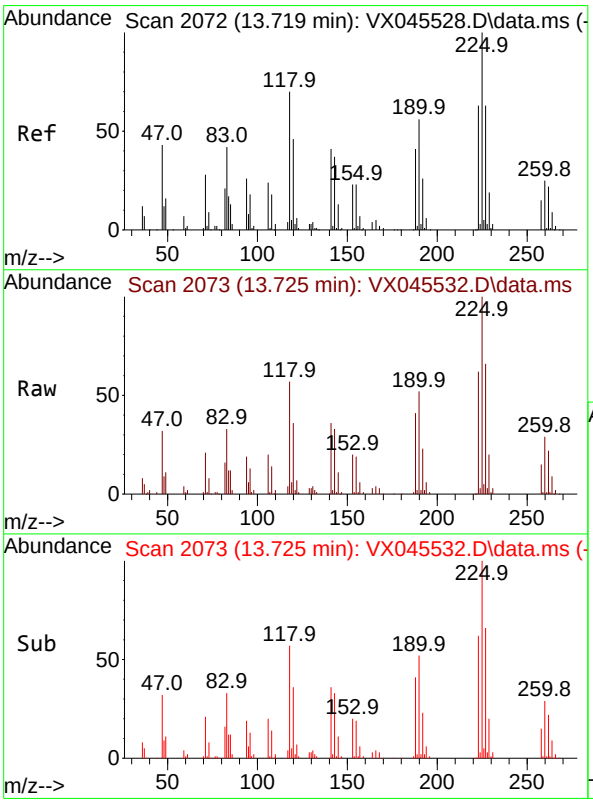
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	34.1	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations APPROVED

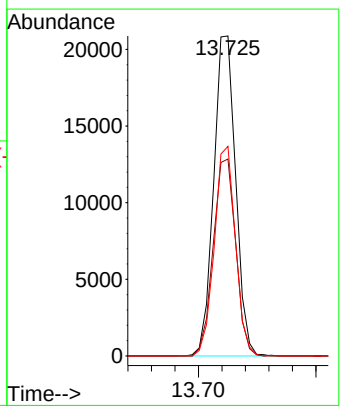
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

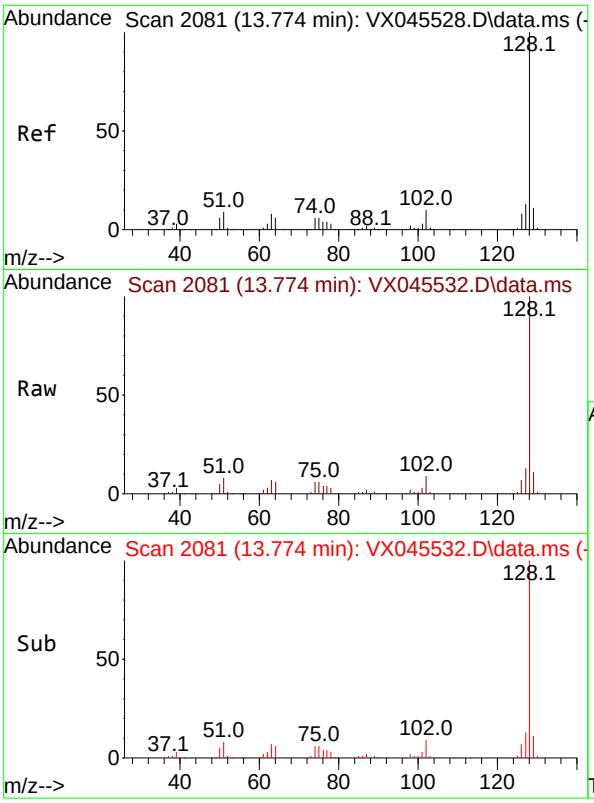


#94
Hexachlorobutadiene
Concen: 49.961 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

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

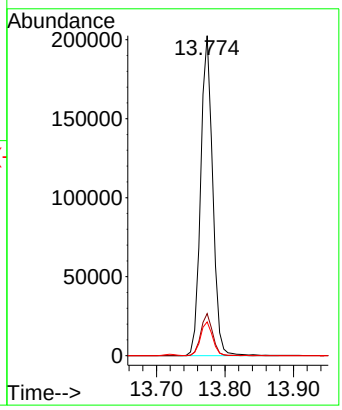




#95
Naphthalene
Concen: 52.765 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045532.D
Acq: 01 Apr 2025 19:48

Tgt Ion:128 Resp: 24760

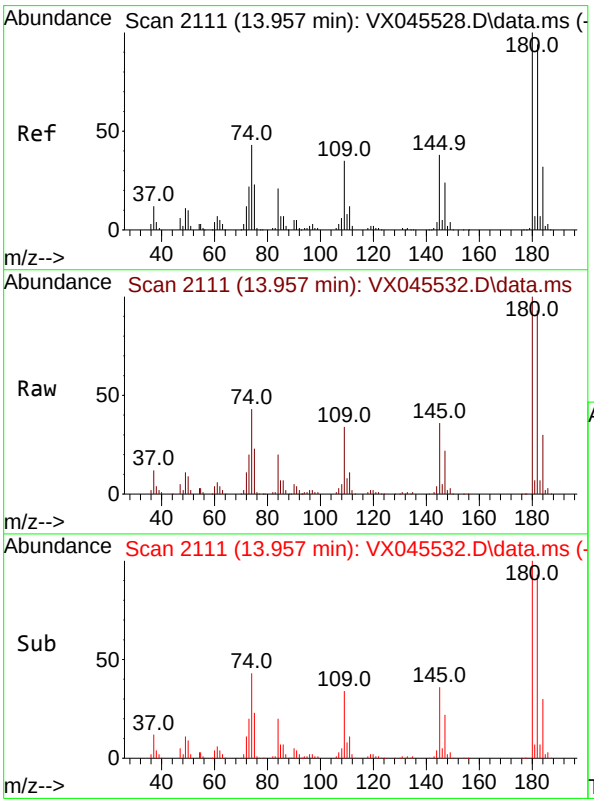
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

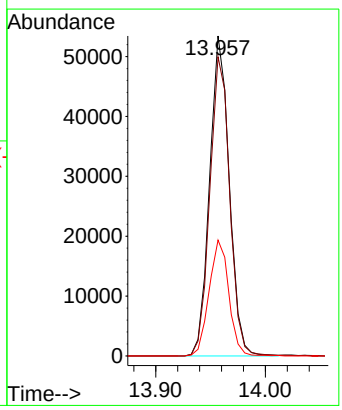
Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



#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



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

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	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 CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1711 SAS No.: Q1711 SDG No.: Q1711

Instrument ID: MSVOA_X Calibration Date/Time: 04/03/2025 10:30

Lab File ID: VX045559.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
Vinyl Chloride	0.703	0.734		4.41	20
1,1-Dichloroethene	0.600	0.611		1.83	20
1,1-Dichloroethane	1.269	1.249	0.1	-1.58	20
cis-1,2-Dichloroethene	0.747	0.736		-1.47	20
1,1,1-Trichloroethane	1.105	1.105		0	20
Benzene	1.463	1.502		2.67	20
1,2-Dichloroethane	0.604	0.634		4.97	20
Trichloroethene	0.348	0.350		0.57	20
1,1,2-Trichloroethane	0.353	0.367		3.97	20
Tetrachloroethene	0.353	0.354		0.28	20
1,2-Dichloroethane-d4	0.914	0.886		-3.06	20
Dibromofluoromethane	0.355	0.358		0.85	20
Toluene-d8	1.238	1.248		0.81	20
4-Bromofluorobenzene	0.451	0.460		2	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\VX040325\
Data File : VX045559.D
Acq On : 03 Apr 2025 10:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 01:17:10 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 :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	95221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162684	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	143783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84371	48.452	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.900%			
35) Dibromofluoromethane	5.379	113	58174	50.400	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.800%			
50) Toluene-d8	8.647	98	203099	50.412	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.820%			
62) 4-Bromofluorobenzene	11.079	95	74900	51.040	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	82166	57.700	ug/l	100
3) Chloromethane	1.307	50	74478	50.909	ug/l	98
4) Vinyl Chloride	1.374	62	69881	52.195	ug/l	99
5) Bromomethane	1.593	94	30702	48.364	ug/l	97
6) Chloroethane	1.666	64	38584	54.319	ug/l	99
7) Trichlorofluoromethane	1.874	101	105263	52.725	ug/l	98
8) Diethyl Ether	2.130	74	33034	49.284	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	62683	53.581	ug/l	98
10) Methyl Iodide	2.441	142	74575	51.106	ug/l	99
11) Tert butyl alcohol	2.977	59	57958	247.660	ug/l	99
12) 1,1-Dichloroethene	2.307	96	58158	50.876	ug/l	98
13) Acrolein	2.233	56	93576	290.369	ug/l	99
14) Allyl chloride	2.654	41	110918	51.139	ug/l	98
15) Acrylonitrile	3.063	53	185693	251.370	ug/l	98
16) Acetone	2.380	43	175069	244.836	ug/l	97
17) Carbon Disulfide	2.502	76	146189	51.779	ug/l	99
18) Methyl Acetate	2.703	43	81783	49.677	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	197731	49.447	ug/l	100
20) Methylene Chloride	2.782	84	65985	49.292	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	58555	50.139	ug/l	99
22) Diisopropyl ether	3.757	45	216234	50.611	ug/l	96
23) Vinyl Acetate	3.715	43	963835	261.101	ug/l	100
24) 1,1-Dichloroethane	3.605	63	118946	49.227	ug/l	100
25) 2-Butanone	4.550	43	269054	257.055	ug/l	100
26) 2,2-Dichloropropane	4.465	77	86074	55.135	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	70036	49.223	ug/l	99
28) Bromochloromethane	4.891	49	56952	48.775	ug/l	99
29) Tetrahydrofuran	5.001	42	169709	250.088	ug/l	99
30) Chloroform	5.087	83	122855	49.413	ug/l	97
31) Cyclohexane	5.458	56	108125	50.618	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	105194	50.002	ug/l	99
36) 1,1-Dichloropropene	5.684	75	80867	51.889	ug/l	100
37) Ethyl Acetate	4.709	43	100010	50.922	ug/l	99
38) Carbon Tetrachloride	5.666	117	91247	54.175	ug/l	98
39) Methylcyclohexane	7.373	83	106620	55.811	ug/l	98
40) Benzene	6.025	78	244336	51.334	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045559.D
Acq On : 03 Apr 2025 10:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 01:17:10 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 :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	55849	53.895	ug/l		98
42) 1,2-Dichloroethane	6.080	62	103151	52.471	ug/l		99
43) Isopropyl Acetate	6.336	43	158368	53.203	ug/l		100
44) Trichloroethene	7.117	130	57018	50.400	ug/l		91
45) 1,2-Dichloropropane	7.421	63	61965	52.177	ug/l		99
46) Dibromomethane	7.574	93	47799	52.432	ug/l		99
47) Bromodichloromethane	7.818	83	97004	53.281	ug/l		98
48) Methyl methacrylate	7.690	41	82864	53.916	ug/l		99
49) 1,4-Dioxane	7.653	88	29748	1069.810	ug/l		98
51) 4-Methyl-2-Pentanone	8.568	43	535504	271.376	ug/l		99
52) Toluene	8.714	92	146995	51.038	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	84356	48.265	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	95044	55.553	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	59666	51.988	ug/l		98
56) Ethyl methacrylate	9.116	69	97540	54.916	ug/l		100
57) 1,3-Dichloropropane	9.305	76	102855	51.465	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	250203	278.463	ug/l		100
59) 2-Hexanone	9.427	43	388703	266.003	ug/l		100
60) Dibromochloromethane	9.519	129	68554	54.791	ug/l		98
61) 1,2-Dibromoethane	9.604	107	61554	52.982	ug/l		99
64) Tetrachloroethene	9.269	164	50963	50.202	ug/l		97
65) Chlorobenzene	10.073	112	161334	52.511	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	55208	51.757	ug/l		99
67) Ethyl Benzene	10.189	91	292313	53.122	ug/l		100
68) m/p-Xylenes	10.299	106	213521	106.687	ug/l		98
69) o-Xylene	10.640	106	104675	53.092	ug/l		99
70) Styrene	10.653	104	178474	54.847	ug/l		100
71) Bromoform	10.799	173	43615	54.761	ug/l	#	97
73) Isopropylbenzene	10.957	105	280025	52.752	ug/l		99
74) N-amyl acetate	10.842	43	131921	51.953	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	90162	48.351	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	80395m	49.735	ug/l		
77) Bromobenzene	11.195	156	62977	51.347	ug/l		99
78) n-propylbenzene	11.299	91	330313	54.023	ug/l		100
79) 2-Chlorotoluene	11.360	91	201387	51.521	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	237889	54.195	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	25059	52.613	ug/l		99
82) 4-Chlorotoluene	11.451	91	231669	53.158	ug/l		99
83) tert-Butylbenzene	11.713	119	232038	53.394	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	238183	54.063	ug/l		100
85) sec-Butylbenzene	11.890	105	292834	54.862	ug/l		100
86) p-Isopropyltoluene	12.006	119	241650	54.914	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	114280	51.187	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	113108	49.973	ug/l		99
89) n-Butylbenzene	12.329	91	218225	57.188	ug/l		99
90) Hexachloroethane	12.536	117	42042	55.591	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	111954	50.437	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21298	54.613	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	66008	53.424	ug/l		97
94) Hexachlorobutadiene	13.725	225	28337	53.224	ug/l		98
95) Naphthalene	13.774	128	236621	51.463	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	66605	51.481	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045559.D
Acq On : 03 Apr 2025 10:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 01:17:10 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 :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

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

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

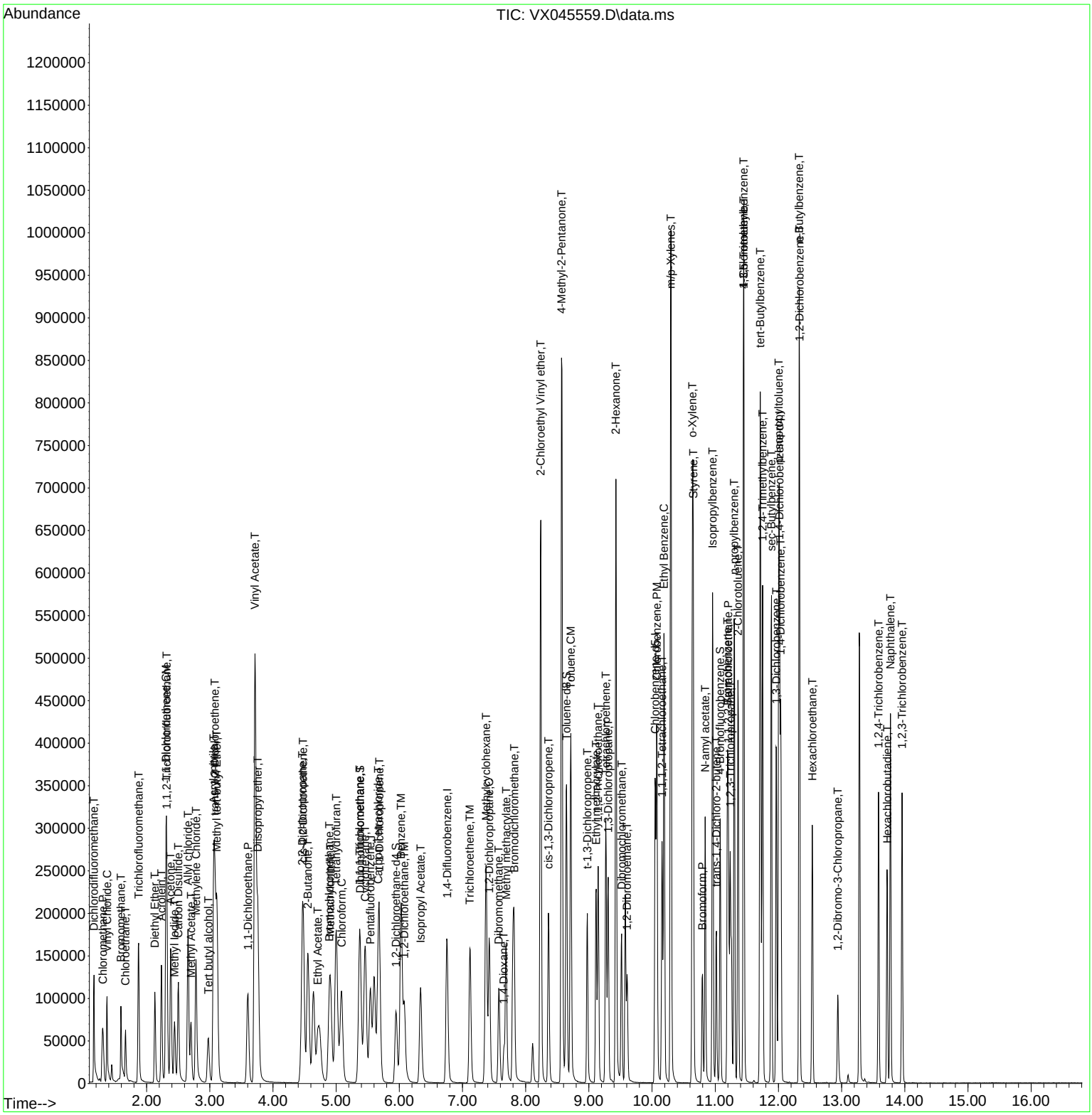
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045559.D
Acq On : 03 Apr 2025 10:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

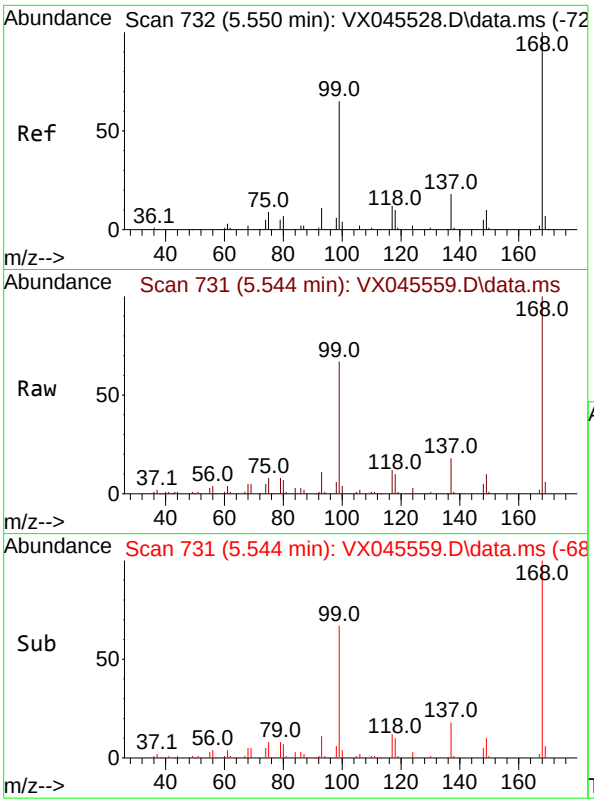
Quant Time: Apr 04 01:17:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

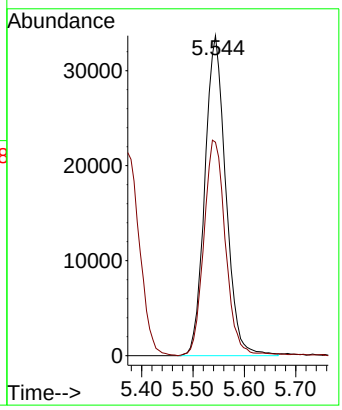




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:168 Resp: 9522

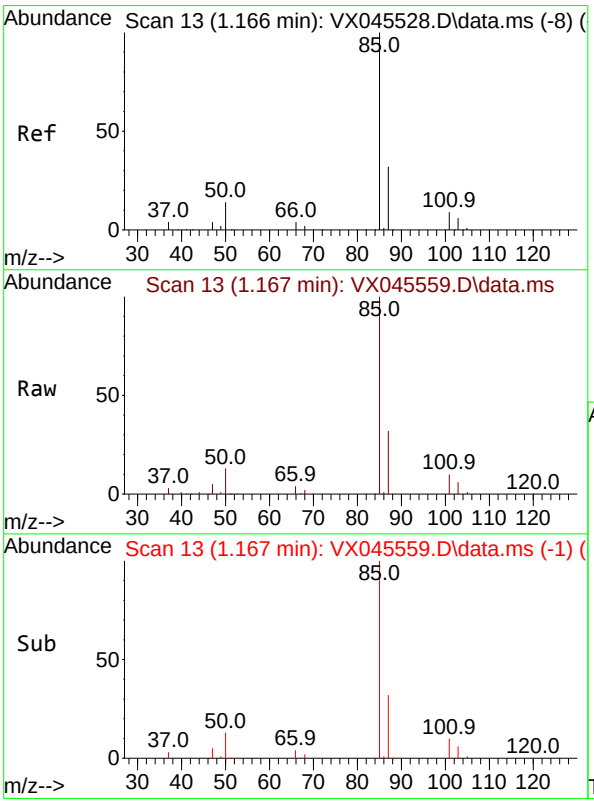
Ion	Ratio	Lower	Upper
168	100		
99	66.7	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

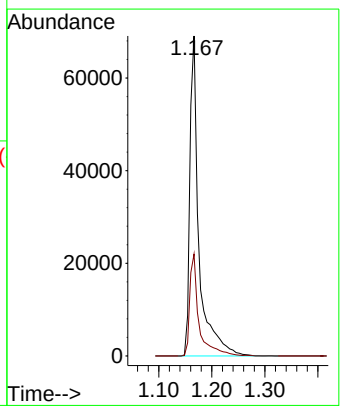
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

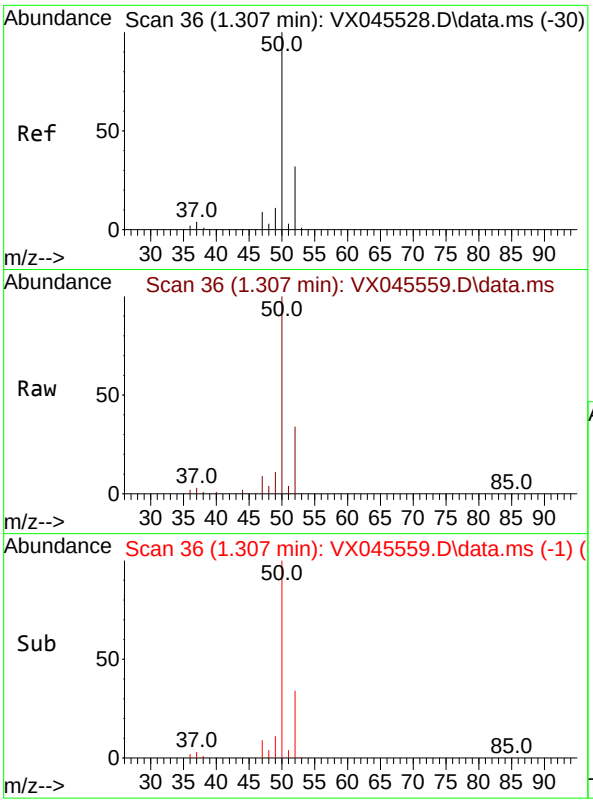


#2
Dichlorodifluoromethane
Concen: 57.700 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 85 Resp: 82166

Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.1	48.2

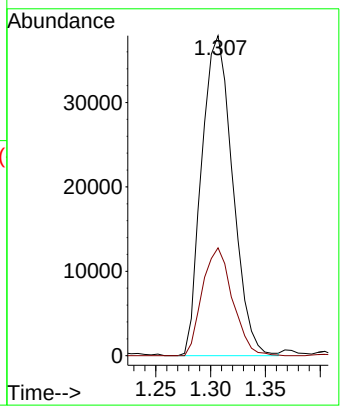




#3
Chloromethane
Concen: 50.909 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 50 Resp: 7447

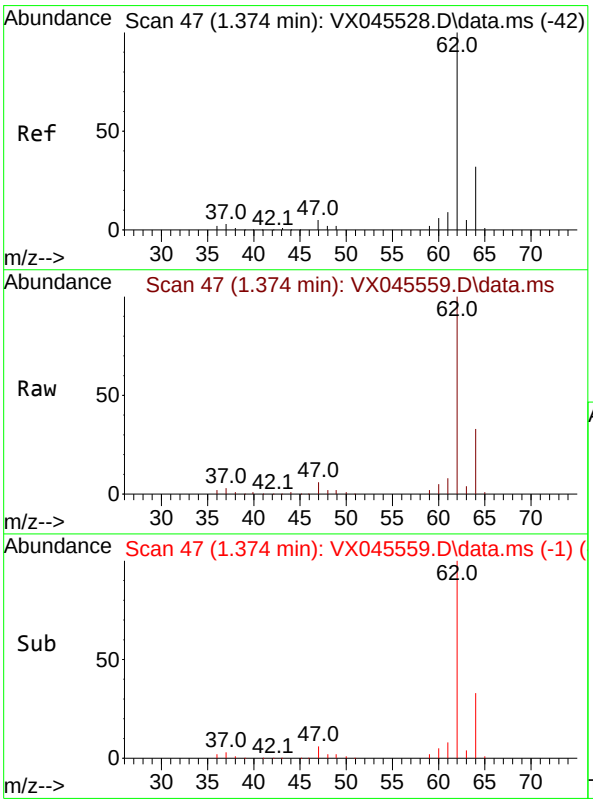
Ion	Ratio	Lower	Upper
50	100		
52	33.7	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

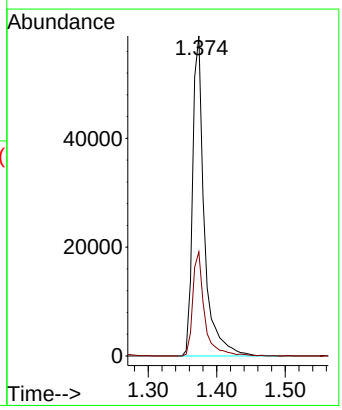
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

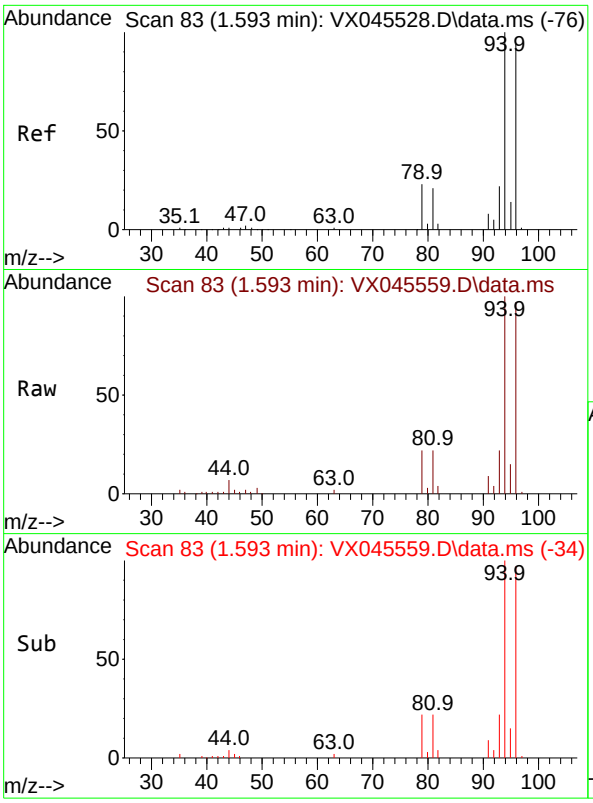


#4
Vinyl Chloride
Concen: 52.195 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 62 Resp: 69881

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.5	38.3

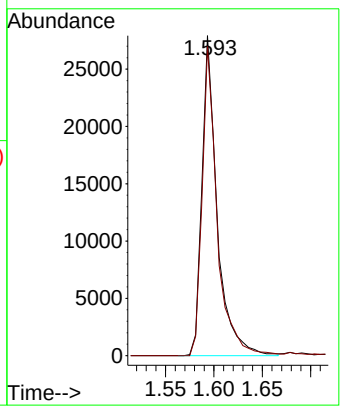




#5
Bromomethane
Concen: 48.364 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 94 Resp: 3070

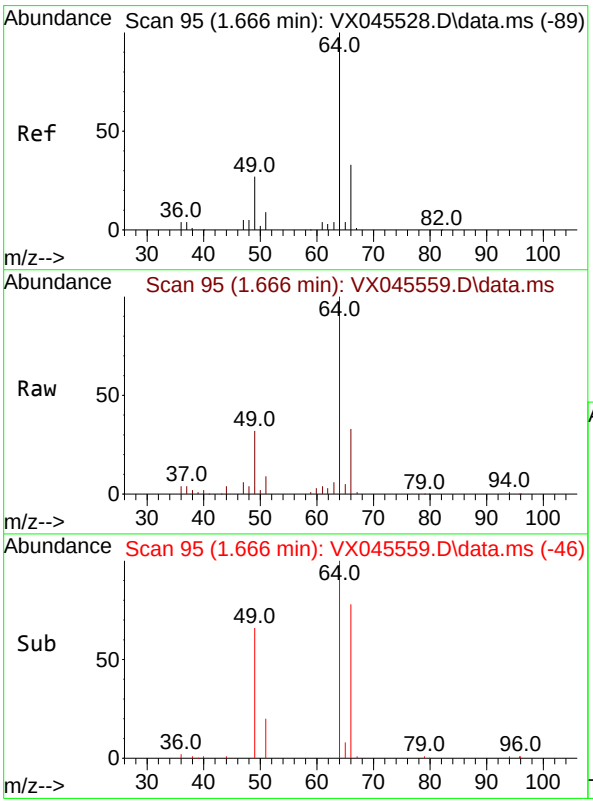
Ion	Ratio	Lower	Upper
94	100		
96	96.6	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

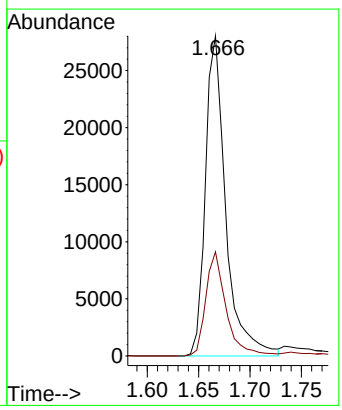
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

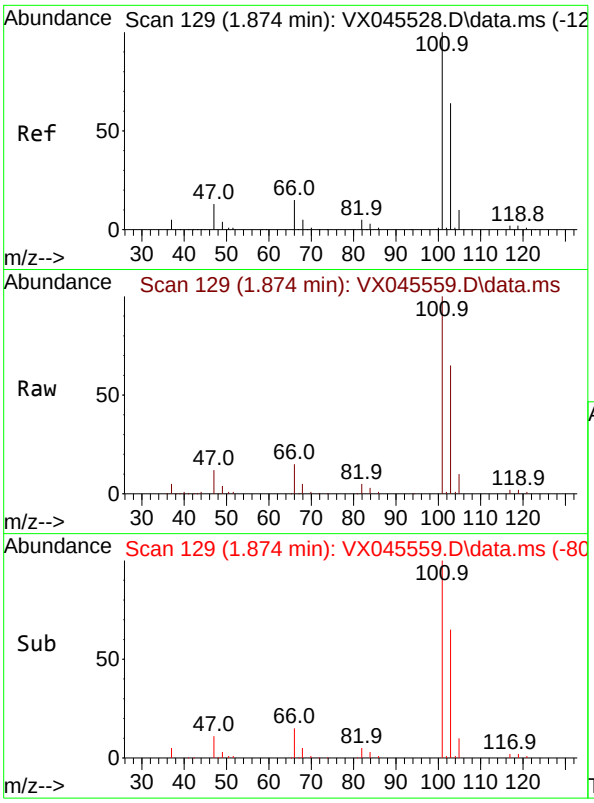


#6
Chloroethane
Concen: 54.319 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 64 Resp: 38584

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.3	39.5

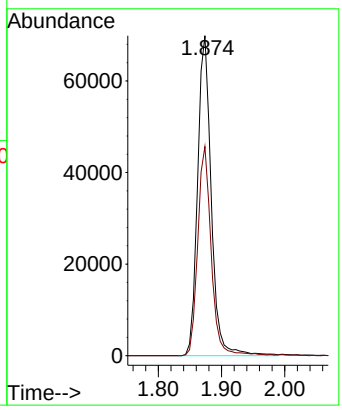




#7
Trichlorofluoromethane
Concen: 52.725 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:101 Resp: 10526

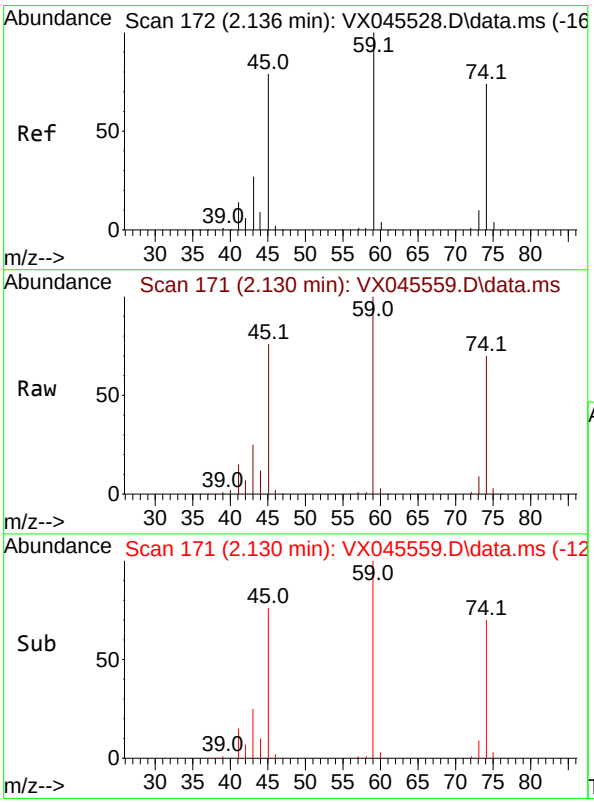
Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

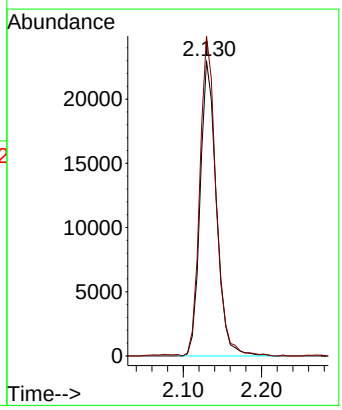
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

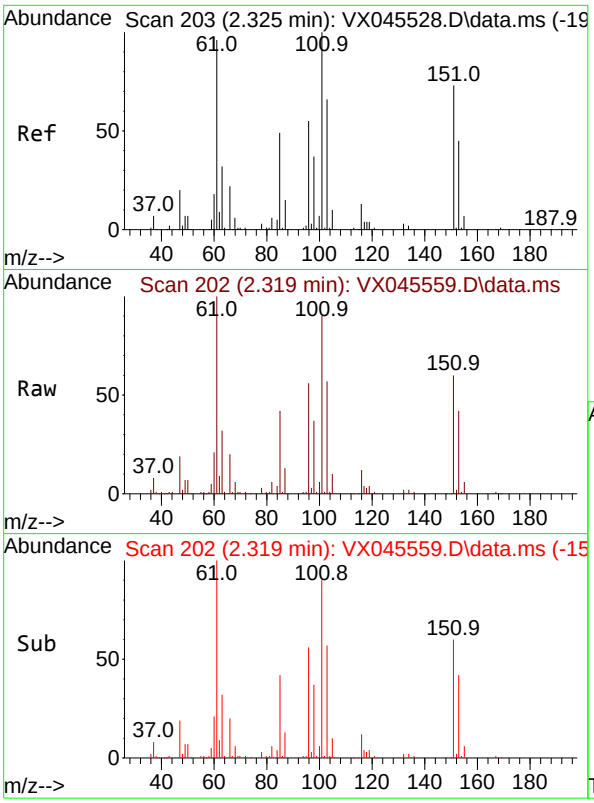


#8
Diethyl Ether
Concen: 49.284 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 74 Resp: 33034

Ion	Ratio	Lower	Upper
74	100		
45	108.1	53.0	159.1

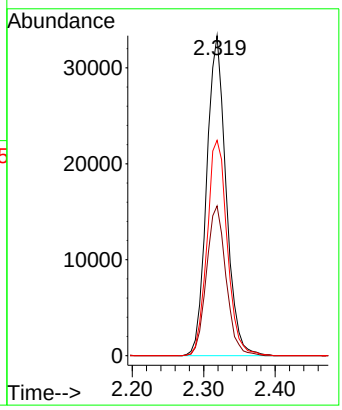




#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.581 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:101 Resp: 6268

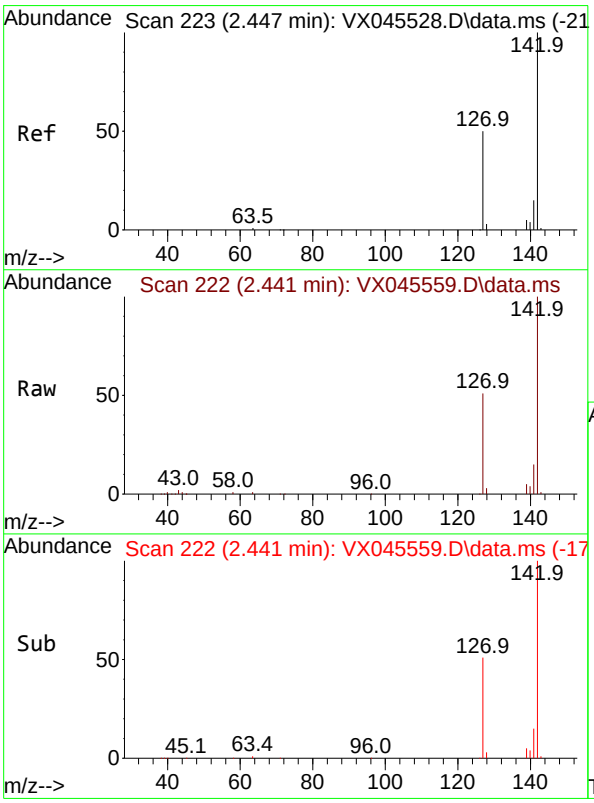
Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.9	58.3
151	70.2	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

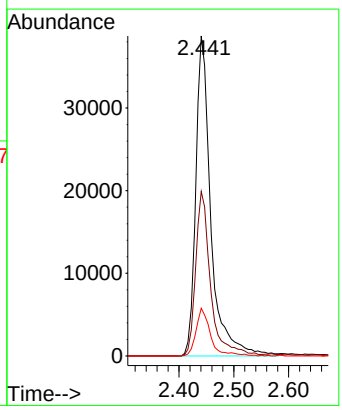
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

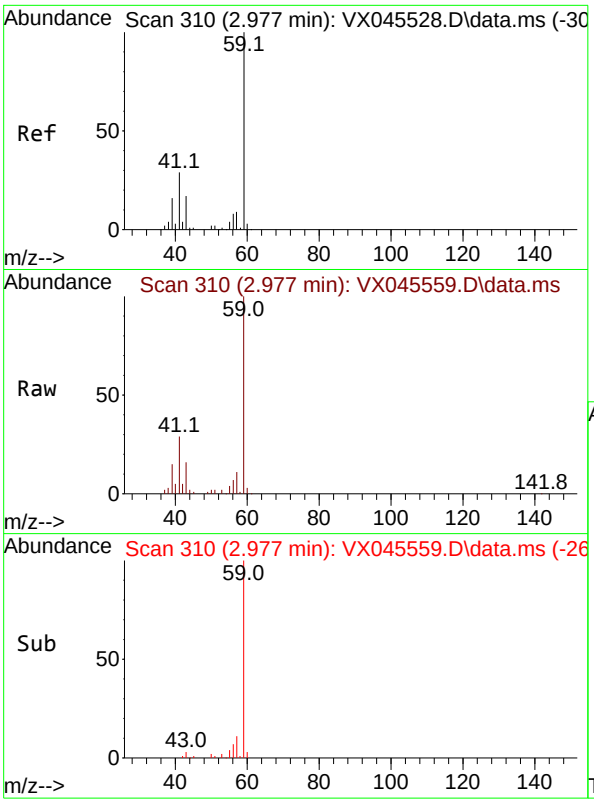


#10
Methyl Iodide
Concen: 51.106 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:142 Resp: 74575

Ion	Ratio	Lower	Upper
142	100		
127	50.7	40.2	60.4
141	14.2	11.7	17.5

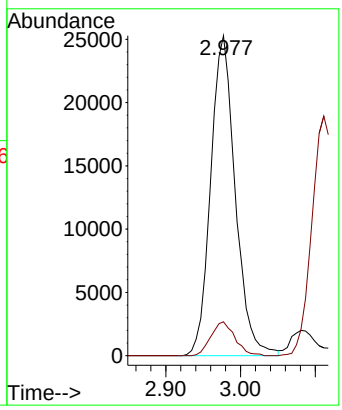




#11
Tert butyl alcohol
Concen: 247.660 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 59 Resp: 5795

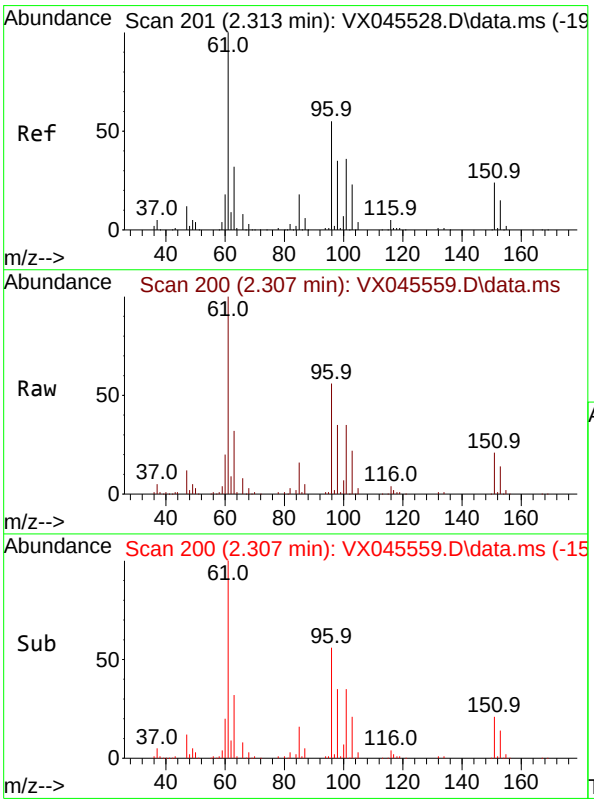
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

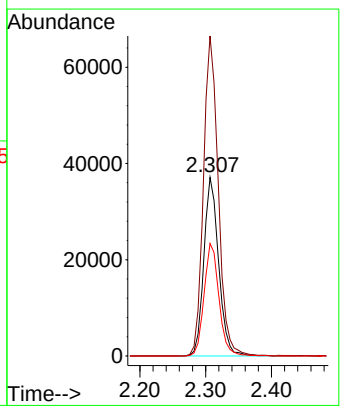
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

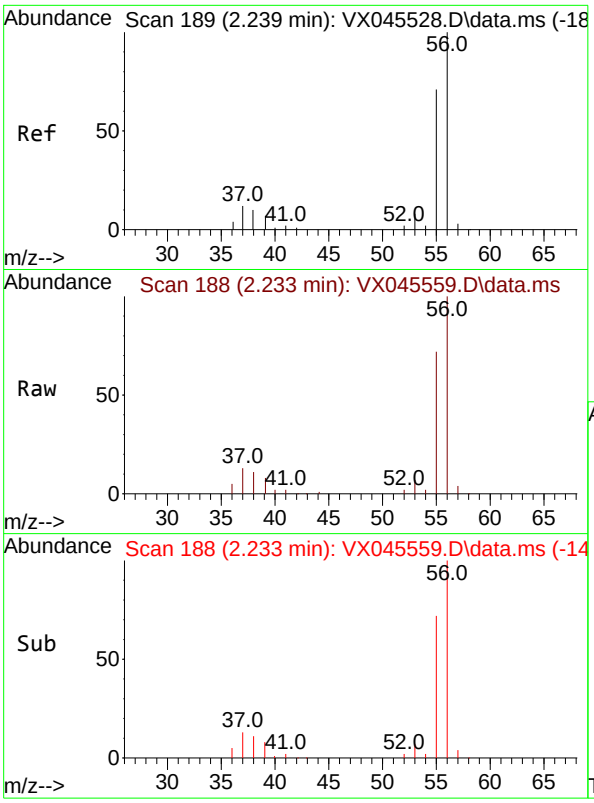


#12
1,1-Dichloroethene
Concen: 50.876 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 96 Resp: 58158

Ion	Ratio	Lower	Upper
96	100		
61	179.1	145.7	218.5
98	63.0	51.6	77.4

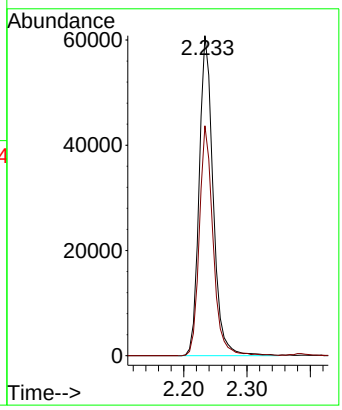




#13
Acrolein
Concen: 290.369 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 56 Resp: 9357

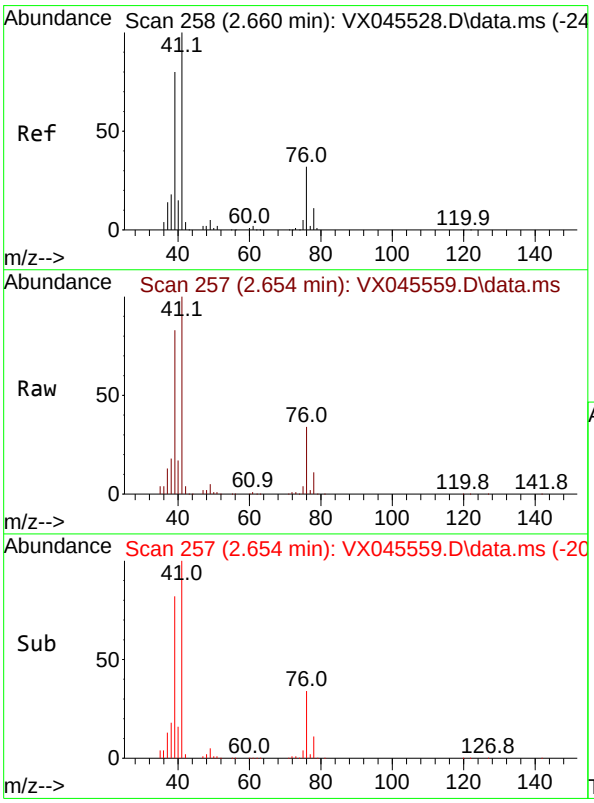
Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

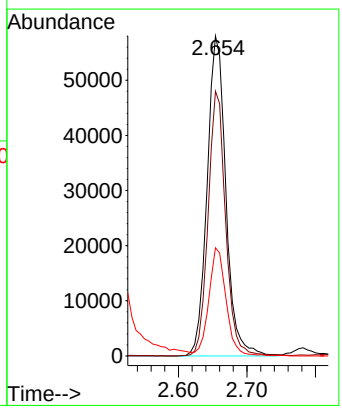
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

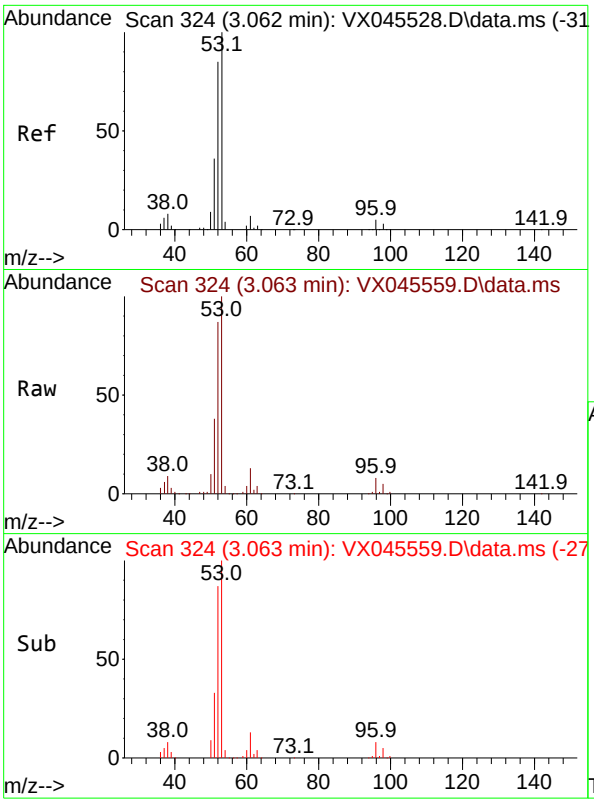


#14
Allyl chloride
Concen: 51.139 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 41 Resp: 110918

Ion	Ratio	Lower	Upper
41	100		
39	77.2	60.2	90.2
76	30.8	24.6	36.8

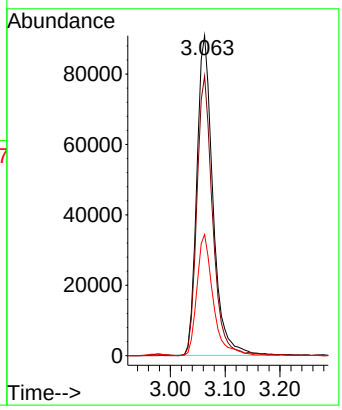




#15
Acrylonitrile
Concen: 251.370 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 53 Resp: 18569

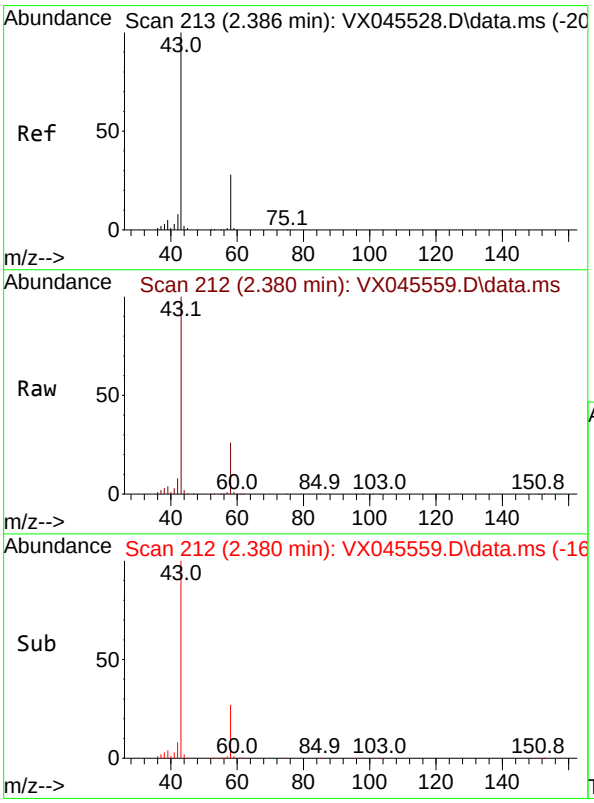
Ion	Ratio	Lower	Upper
53	100		
52	85.8	67.4	101.2
51	38.5	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

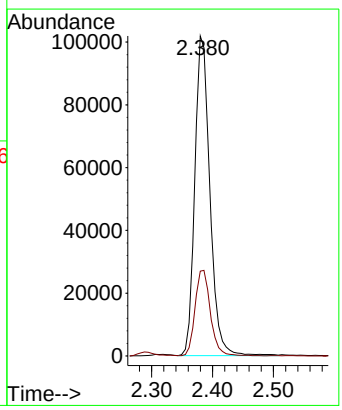
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

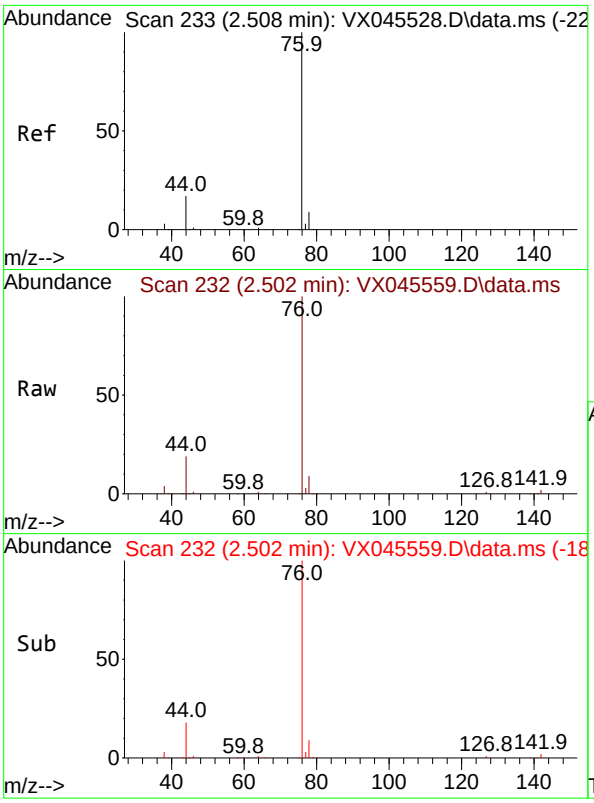


#16
Acetone
Concen: 244.836 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 43 Resp: 175069

Ion	Ratio	Lower	Upper
43	100		
58	26.4	22.3	33.5

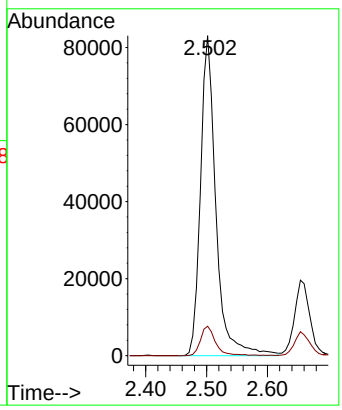




#17
Carbon Disulfide
Concen: 51.779 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 76 Resp: 14618

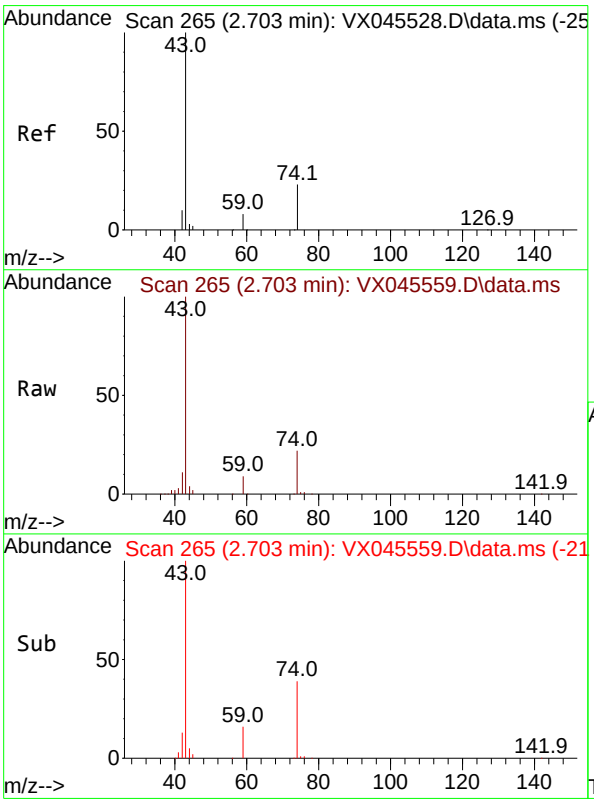
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

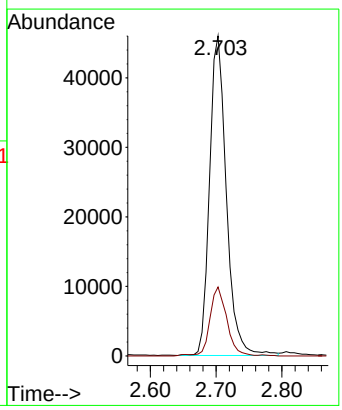
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

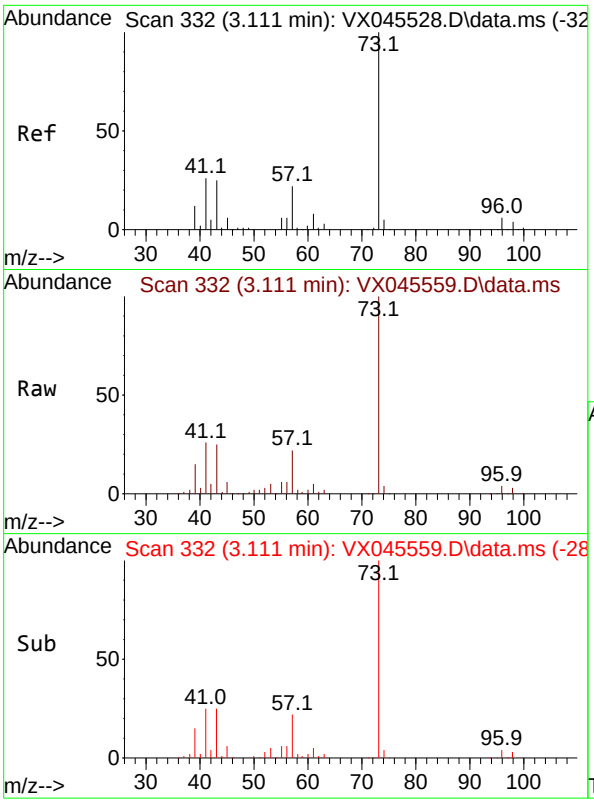


#18
Methyl Acetate
Concen: 49.677 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 43 Resp: 81783

Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.5	26.3

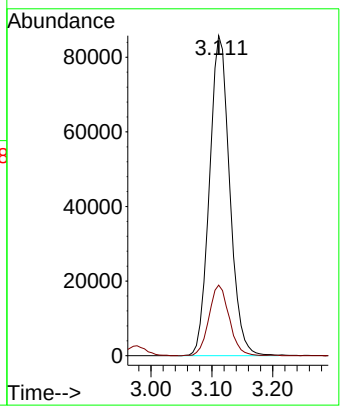




#19
Methyl tert-butyl Ether
Concen: 49.447 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 73 Resp: 19773

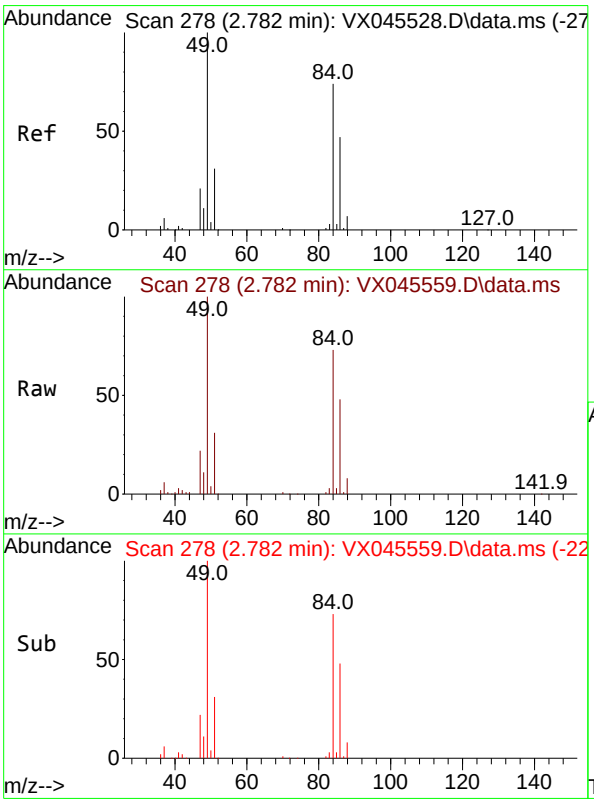
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

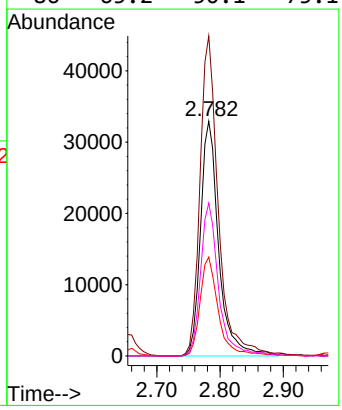
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

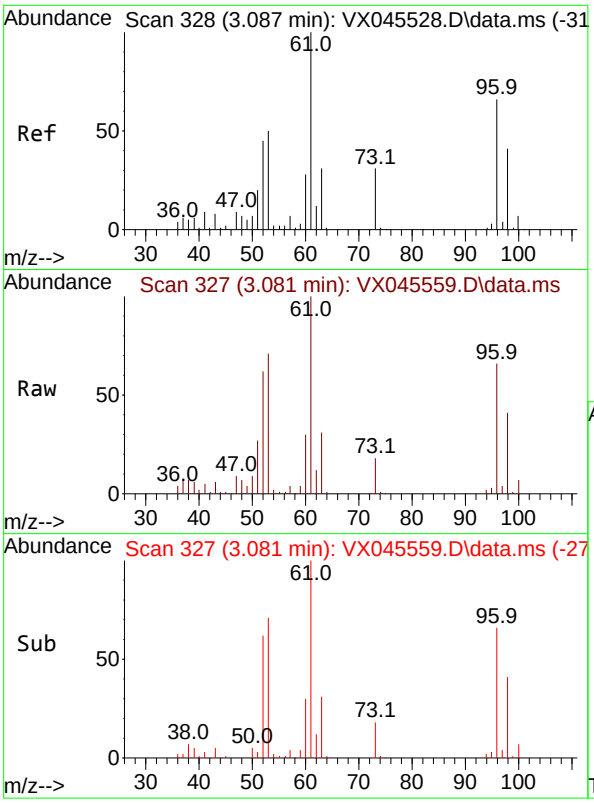


#20
Methylene Chloride
Concen: 49.292 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 84 Resp: 65985

Ion	Ratio	Lower	Upper
84	100		
49	136.3	107.5	161.3
51	42.2	33.0	49.6
86	65.2	50.1	75.1

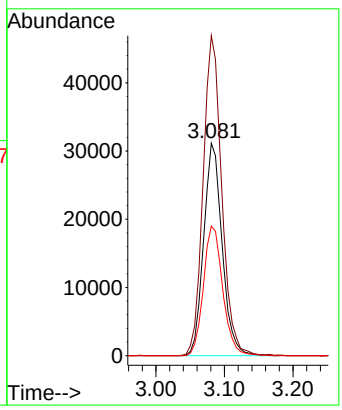




#21
trans-1,2-Dichloroethene
Concen: 50.139 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 96 Resp: 5855

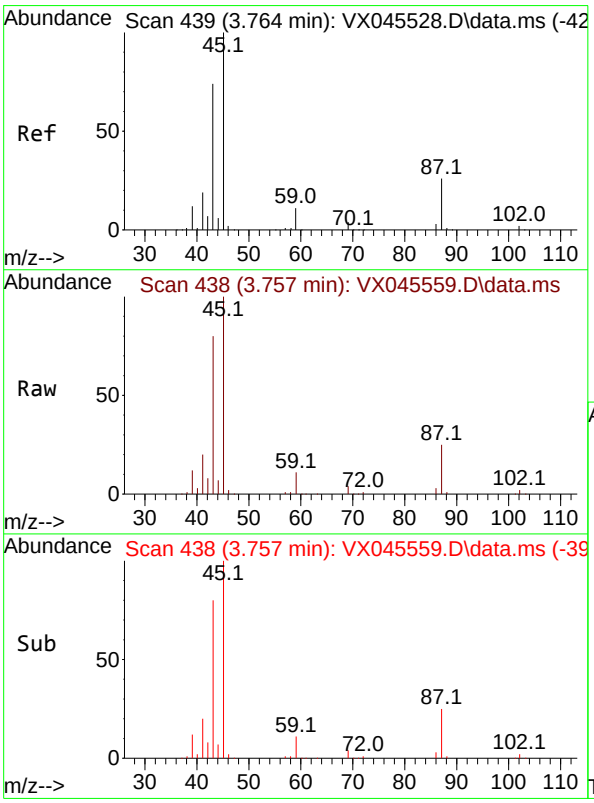
Ion	Ratio	Lower	Upper
96	100		
61	150.6	121.0	181.6
98	61.0	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

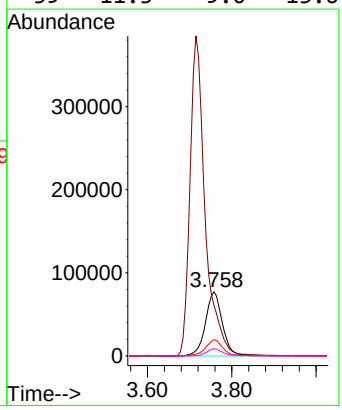
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

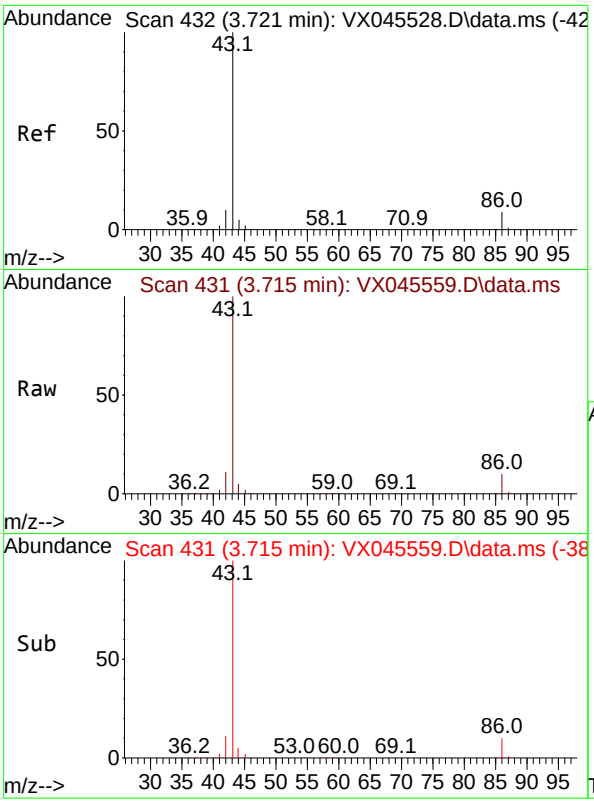


#22
Diisopropyl ether
Concen: 50.611 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 45 Resp: 216234

Ion	Ratio	Lower	Upper
45	100		
43	78.8	59.3	88.9
87	25.1	20.4	30.6
59	11.3	9.0	13.6

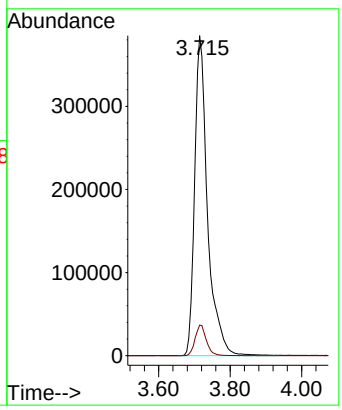




#23
Vinyl Acetate
Concen: 261.101 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 43 Resp: 96383

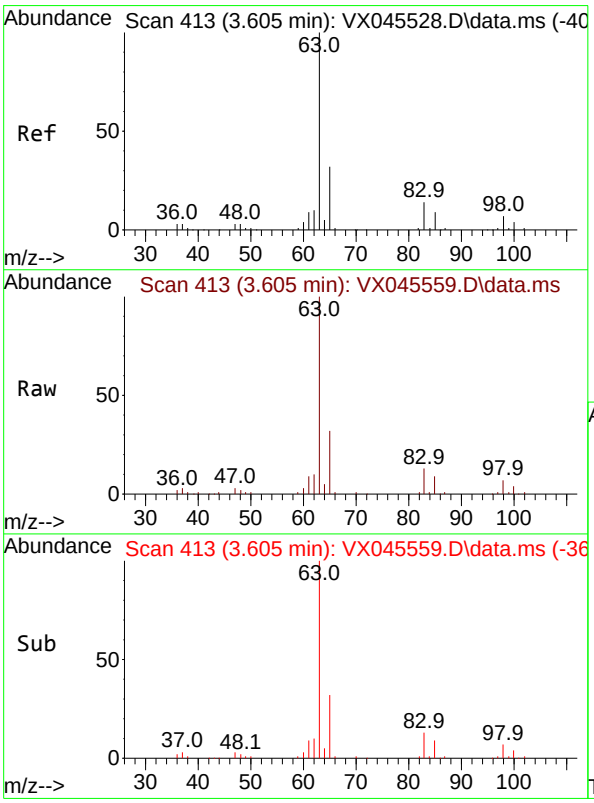
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

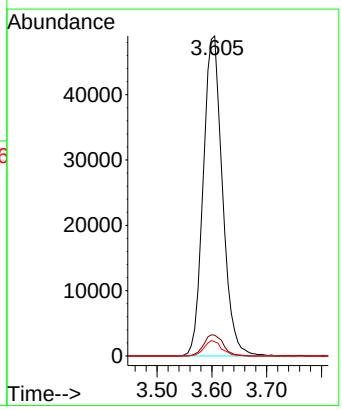
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

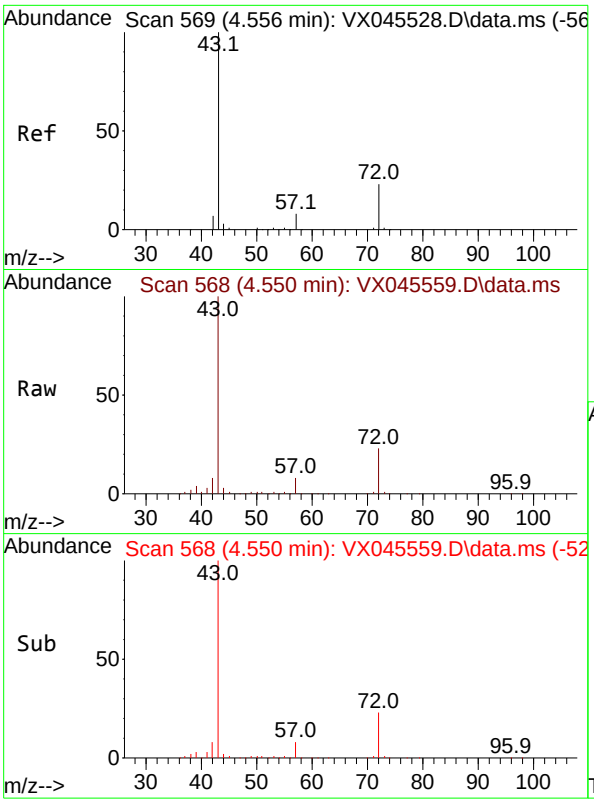


#24
1,1-Dichloroethane
Concen: 49.227 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 63 Resp: 118946

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.5	2.2	6.6

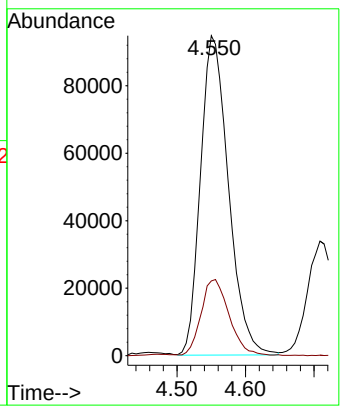




#25
2-Butanone
Concen: 257.055 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 43 Resp: 26905

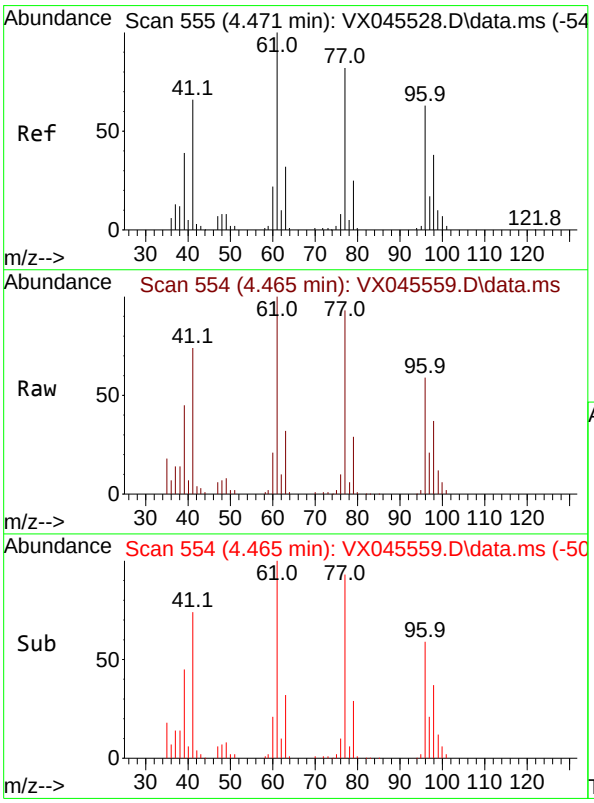
Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

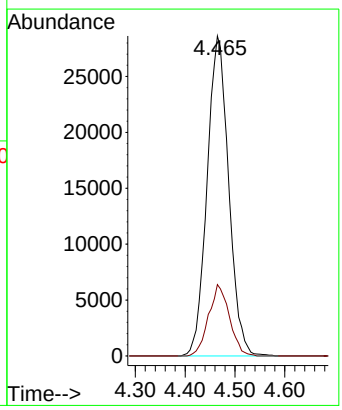
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

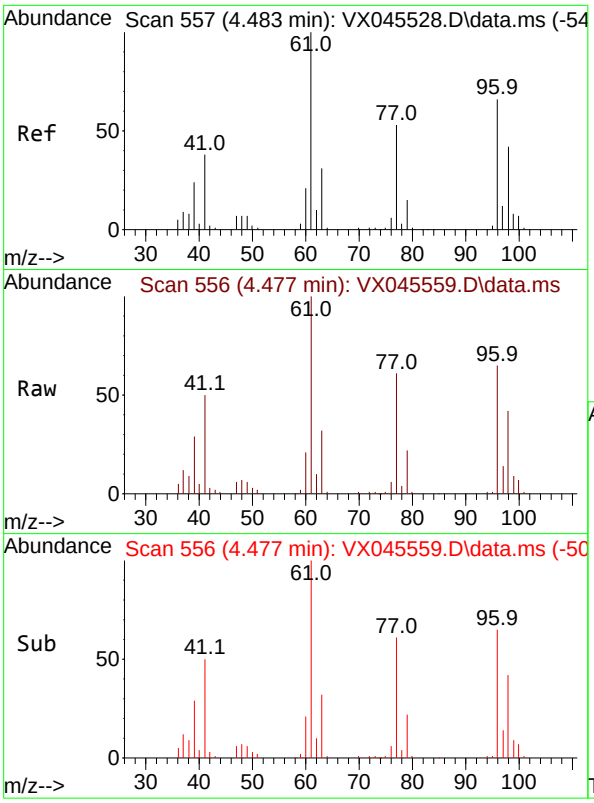


#26
2,2-Dichloropropane
Concen: 55.135 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 77 Resp: 86074

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.6	31.8

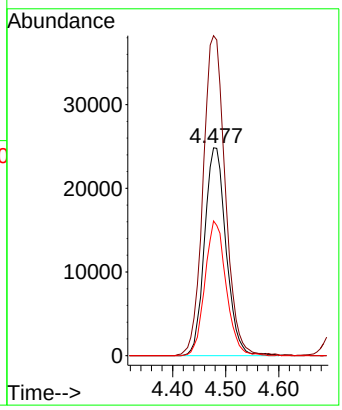




#27
cis-1,2-Dichloroethene
Concen: 49.223 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 96 Resp: 7003

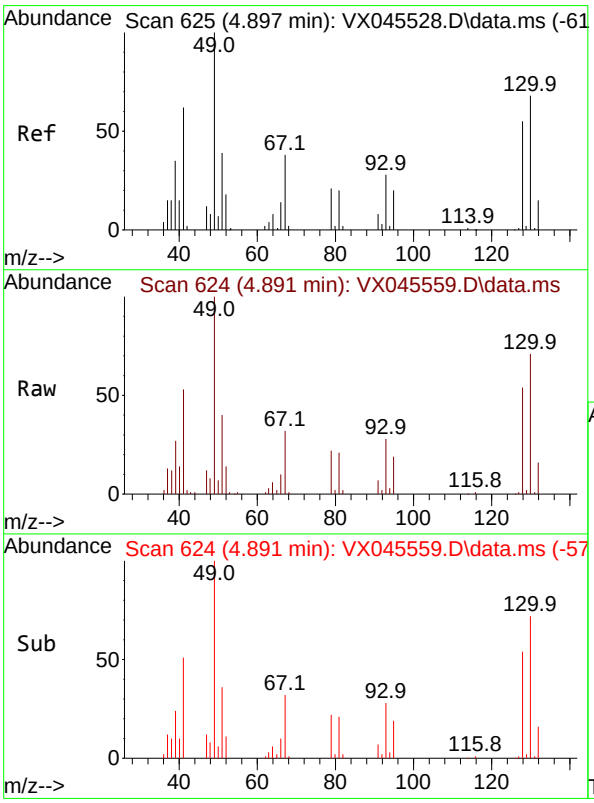
Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	313.2
98	63.7	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

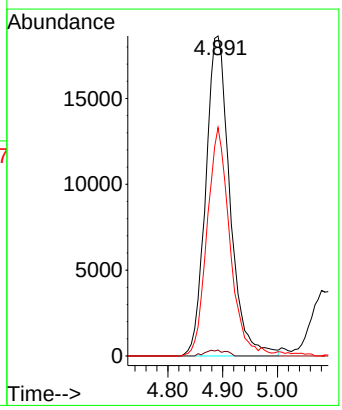
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

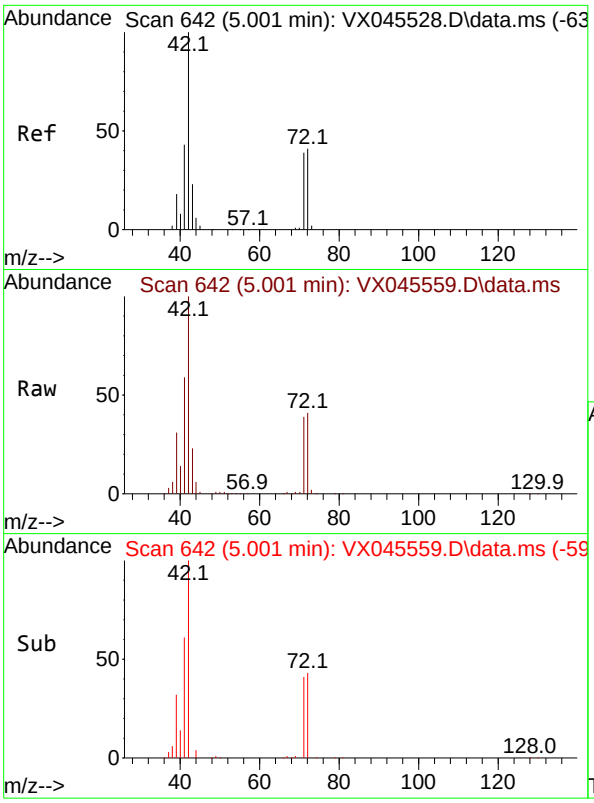


#28
Bromochloromethane
Concen: 48.775 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 49 Resp: 56952

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	67.4	54.6	81.8





#29
Tetrahydrofuran
Concen: 250.088 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

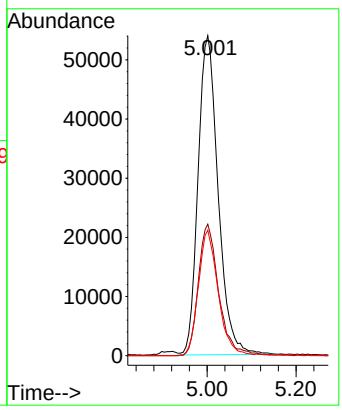
Tgt Ion: 42 Resp: 16970

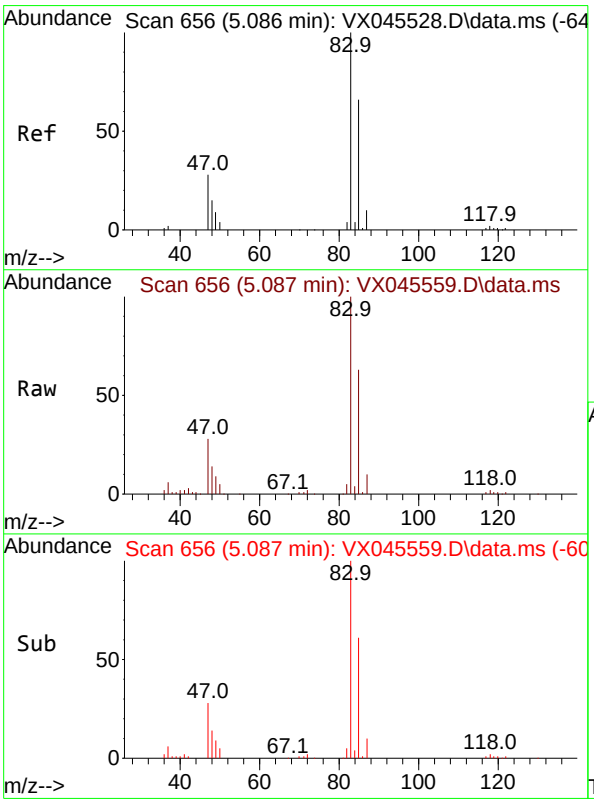
Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.4	50.0
71	38.6	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

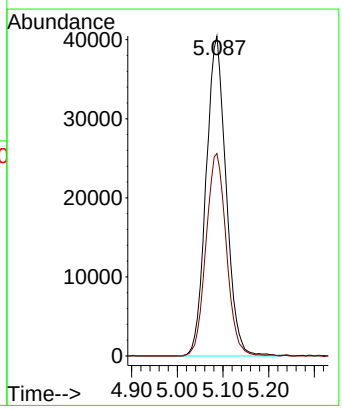


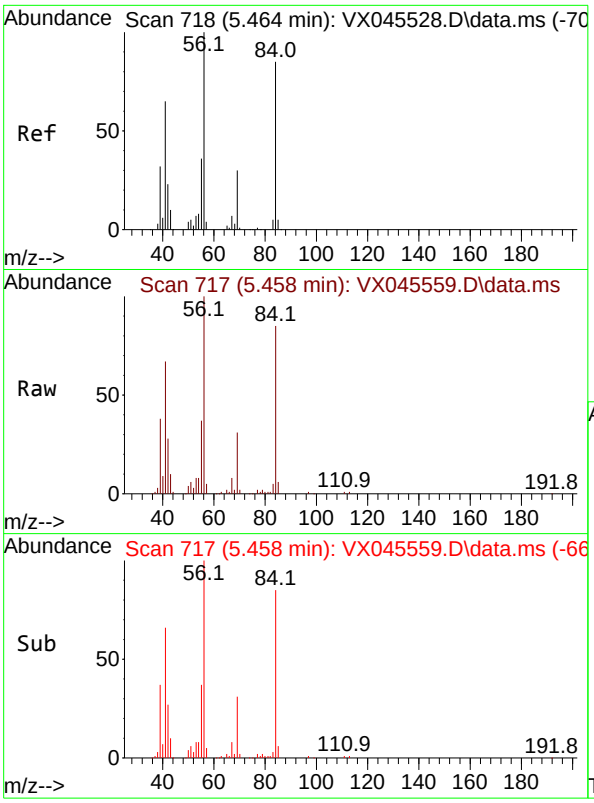


#30
Chloroform
Concen: 49.413 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 83 Resp: 122855

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.8	79.2





#31
Cyclohexane
Concen: 50.618 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

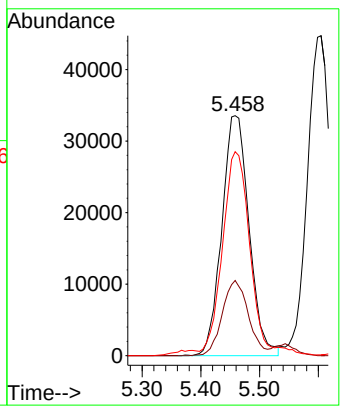
Tgt Ion: 56 Resp: 10812

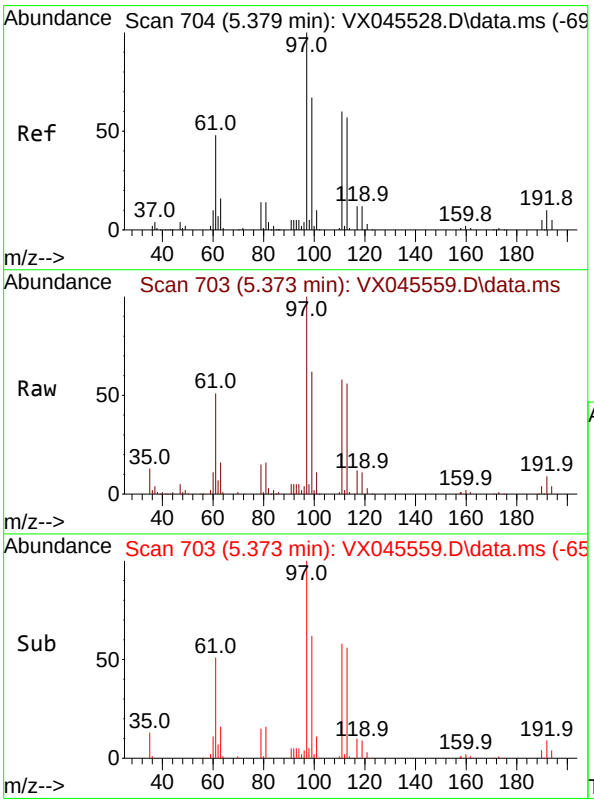
Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.6	35.4
84	83.5	67.7	101.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

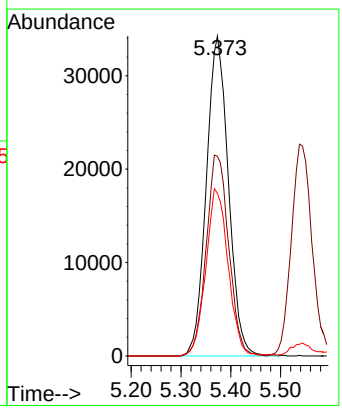


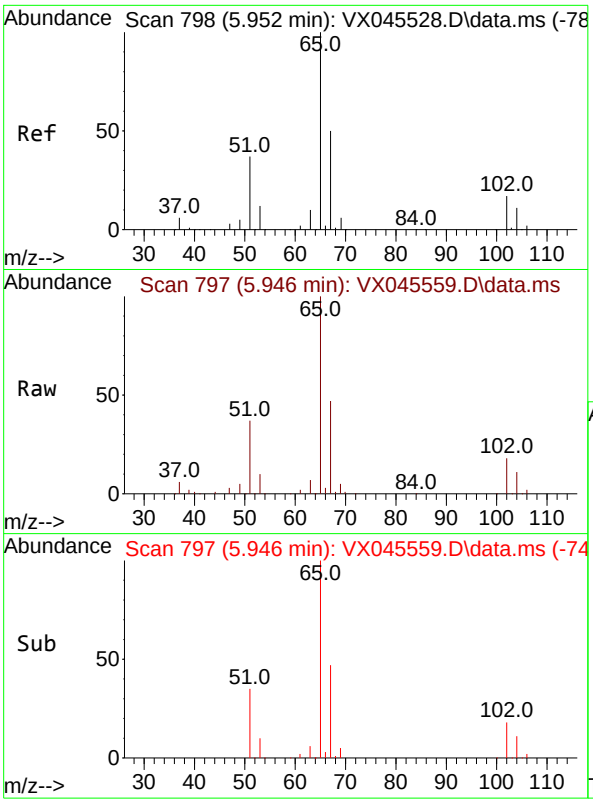


#32
1,1,1-Trichloroethane
Concen: 50.002 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 97 Resp: 105194

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	52.9	41.0	61.4

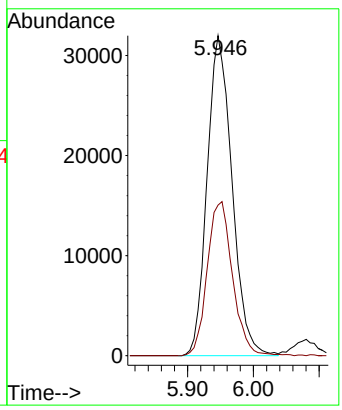




#33
1,2-Dichloroethane-d4
Concen: 48.452 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 65 Resp: 8437

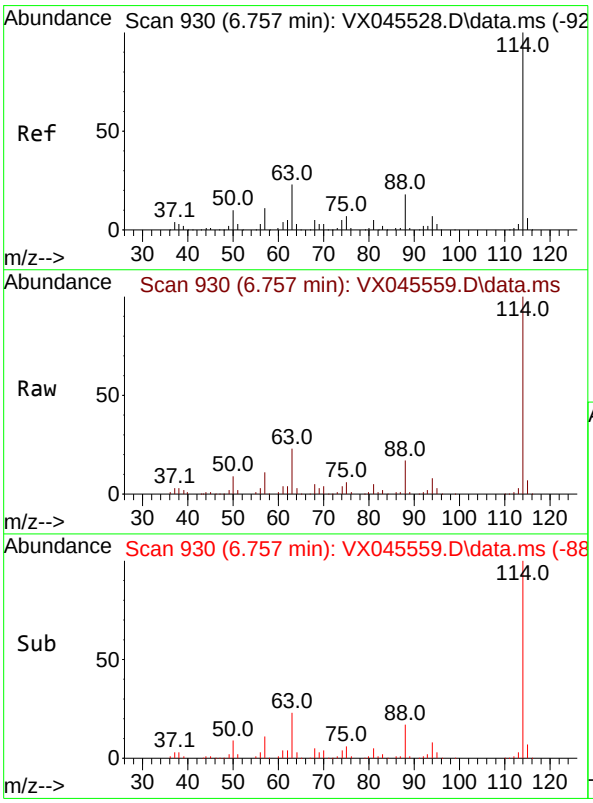
Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

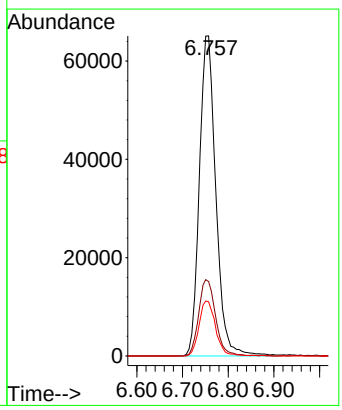
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

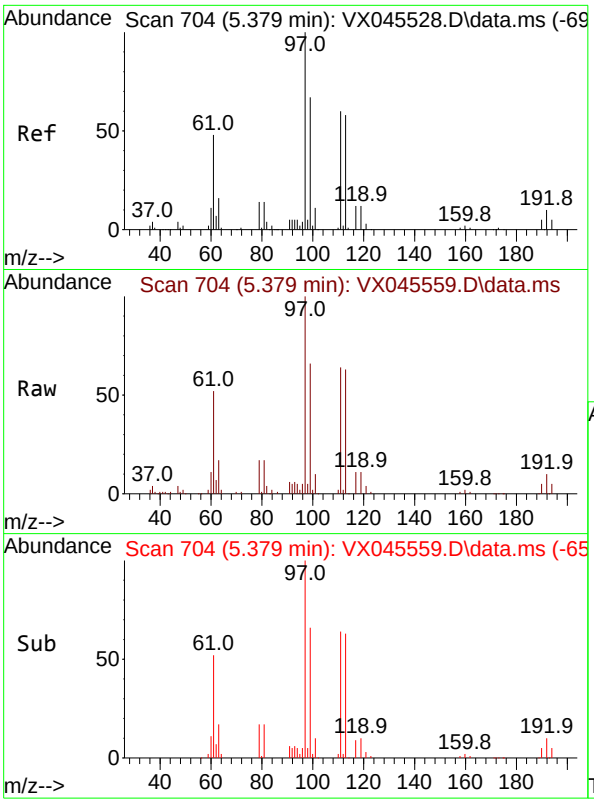


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:114 Resp: 162684

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	46.8
88	17.0	0.0	35.4

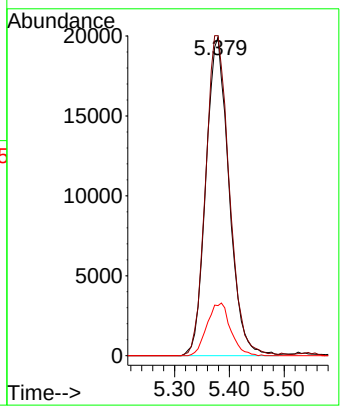




#35
Dibromofluoromethane
Concen: 50.400 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:113 Resp: 5817

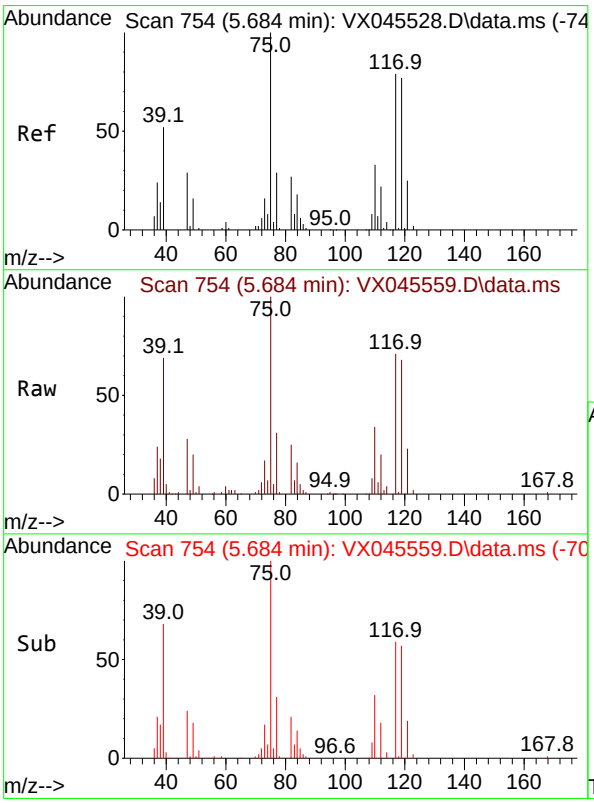
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.6
192	16.8	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

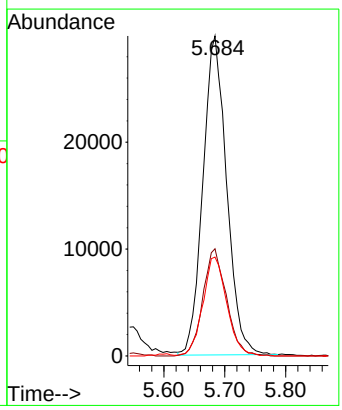
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

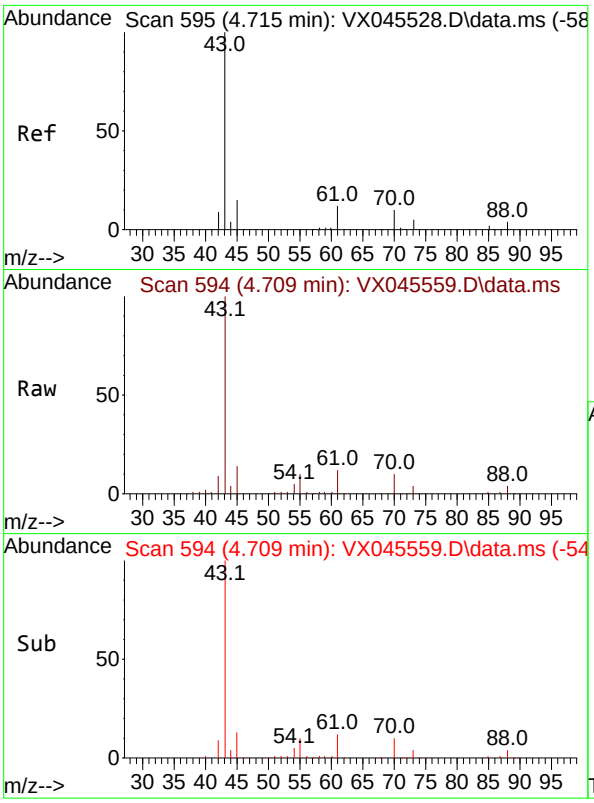


#36
1,1-Dichloropropene
Concen: 51.889 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 75 Resp: 80867

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	31.4	25.0	37.4

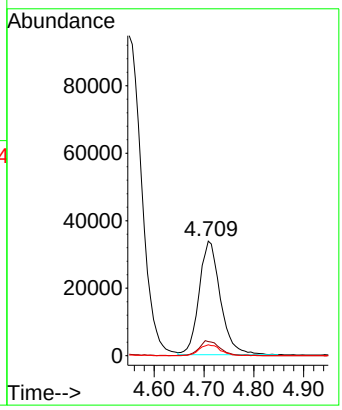




#37
Ethyl Acetate
Concen: 50.922 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 43 Resp: 10001

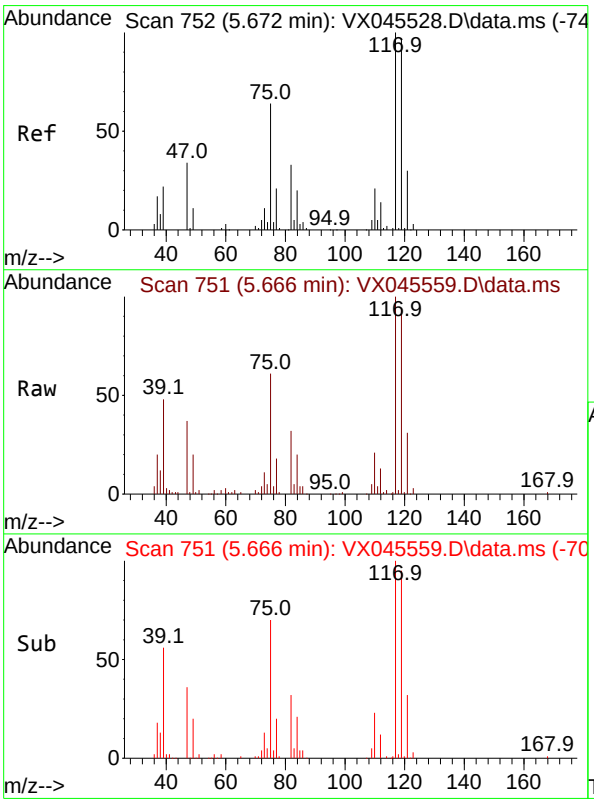
Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.9	14.9
70	9.6	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

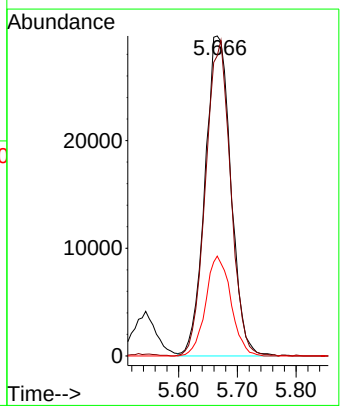
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

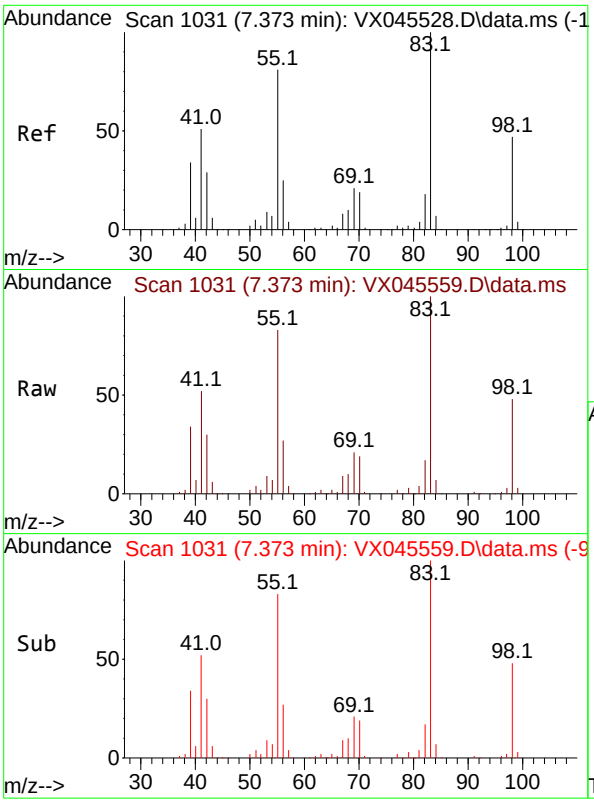


#38
Carbon Tetrachloride
Concen: 54.175 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:117 Resp: 91247

Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.9	115.3
121	31.2	24.2	36.2

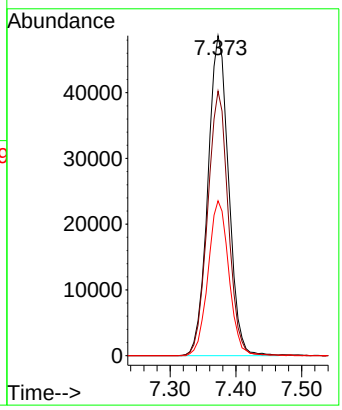




#39
Methylcyclohexane
Concen: 55.811 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 83 Resp: 10662

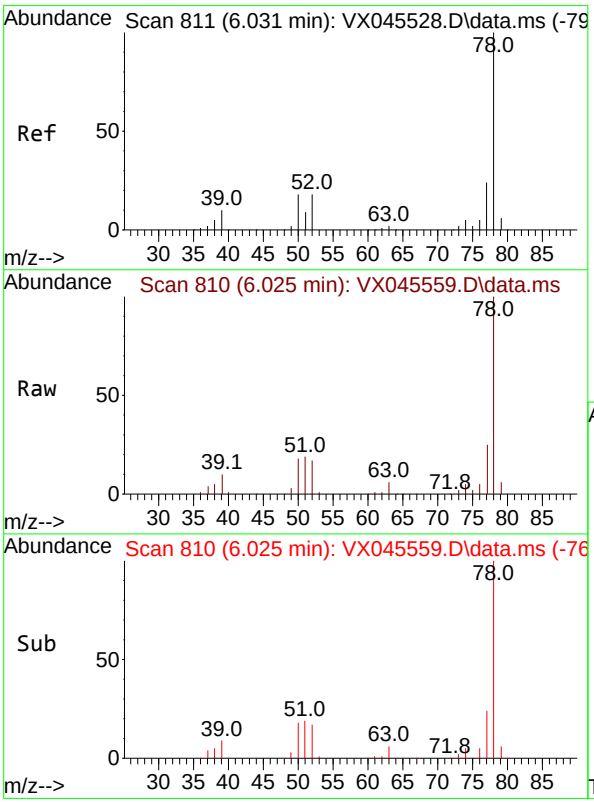
Ion	Ratio	Lower	Upper
83	100		
55	82.7	64.9	97.3
98	48.4	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

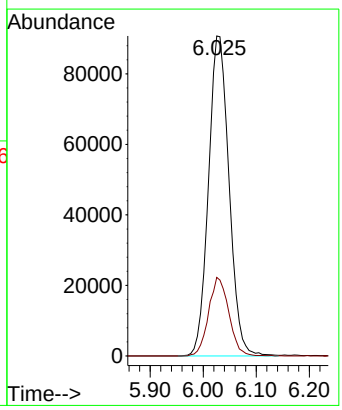
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

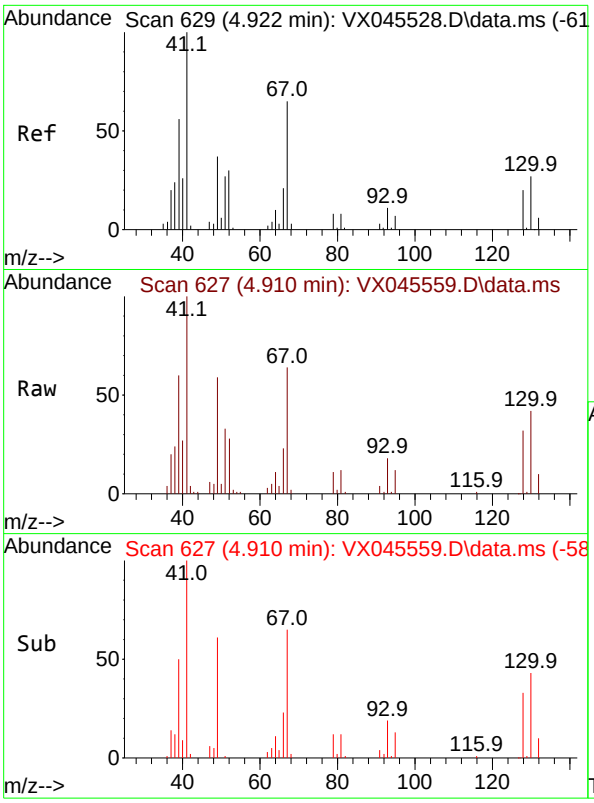


#40
Benzene
Concen: 51.334 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 78 Resp: 244336

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6

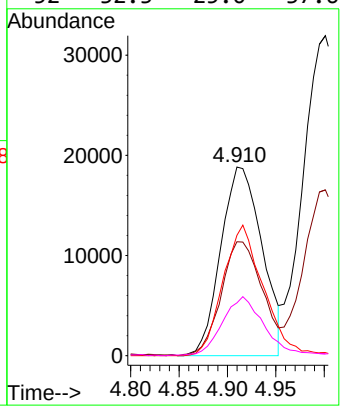




#41
Methacrylonitrile
Concen: 53.895 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 41 Resp: 5584

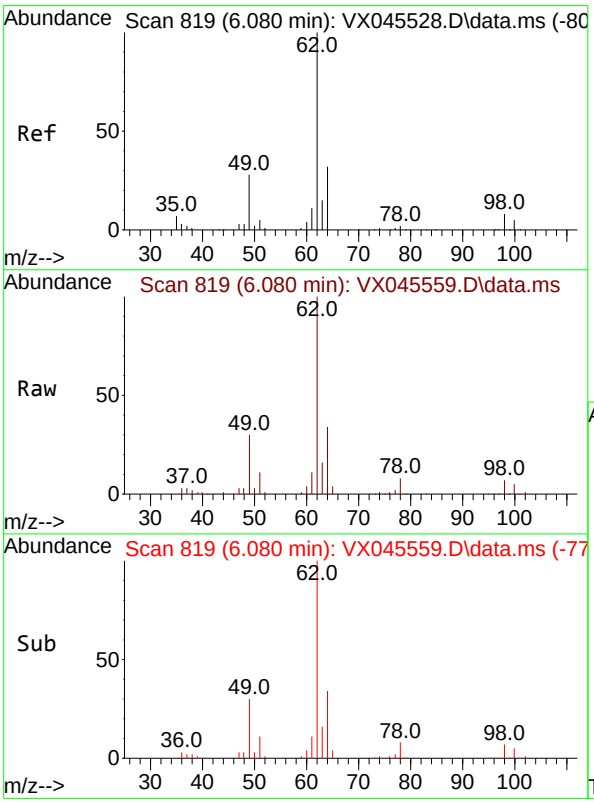
Ion	Ratio	Lower	Upper
41	100		
39	60.0	47.0	70.6
67	68.2	53.2	79.8
52	32.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

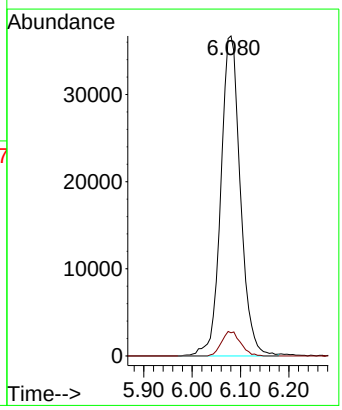
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

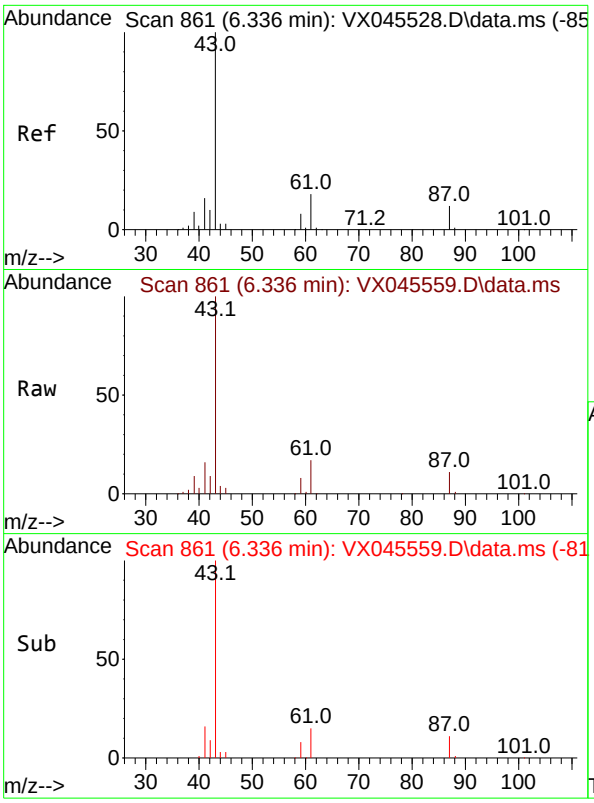


#42
1,2-Dichloroethane
Concen: 52.471 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 62 Resp: 103151

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2

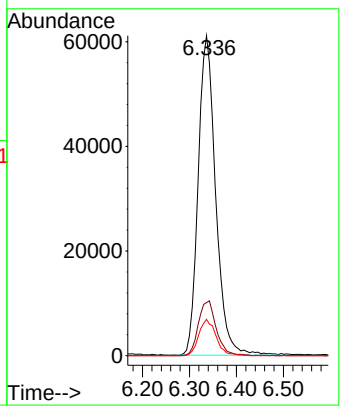




#43
Isopropyl Acetate
Concen: 53.203 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 43 Resp: 15836

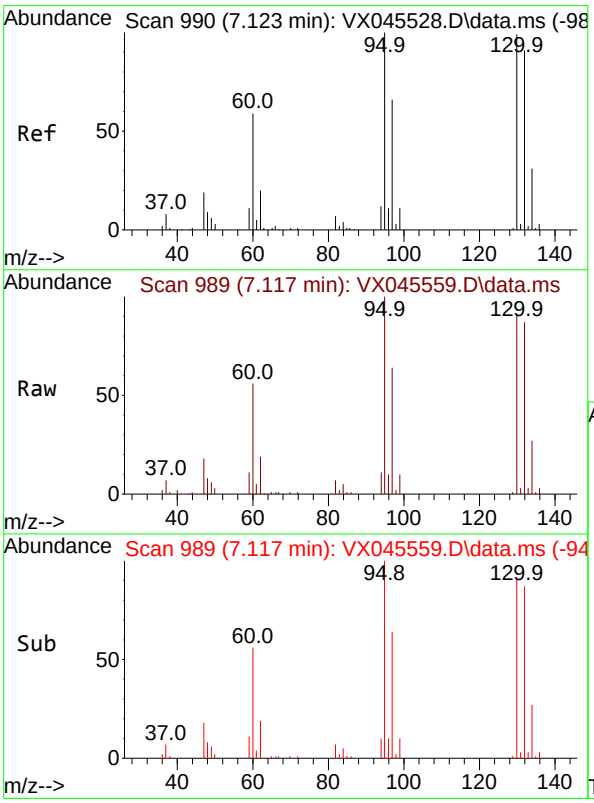
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.1	21.1
87	11.2	9.2	13.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

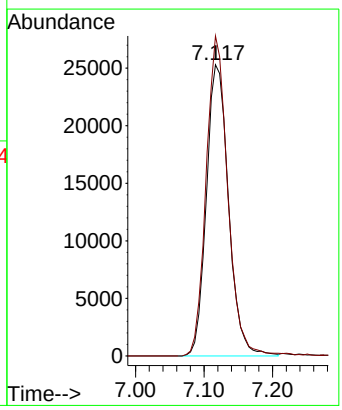
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

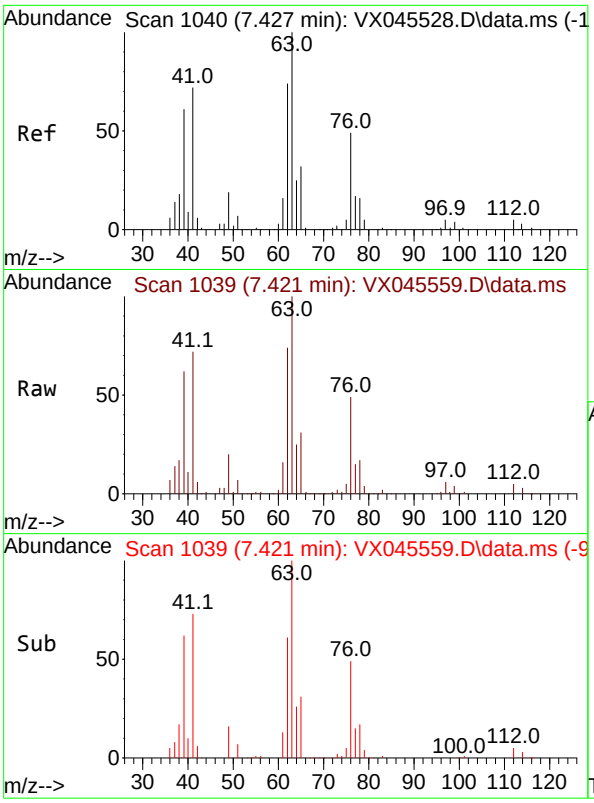


#44
Trichloroethene
Concen: 50.400 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:130 Resp: 57018

Ion	Ratio	Lower	Upper
130	100		
95	109.9	0.0	202.0

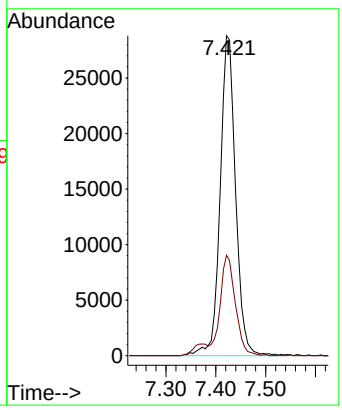




#45
1,2-Dichloropropane
Concen: 52.177 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 63 Resp: 6196

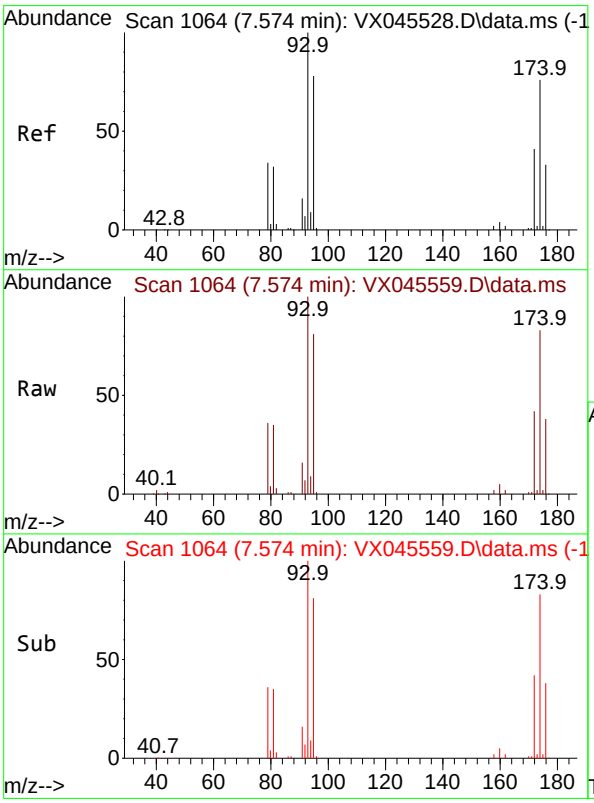
Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

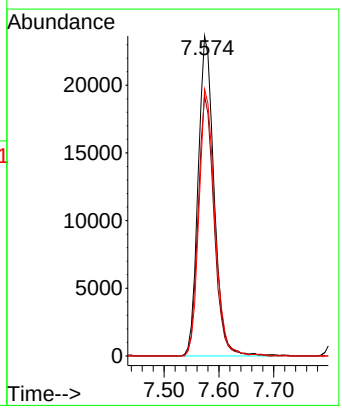
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

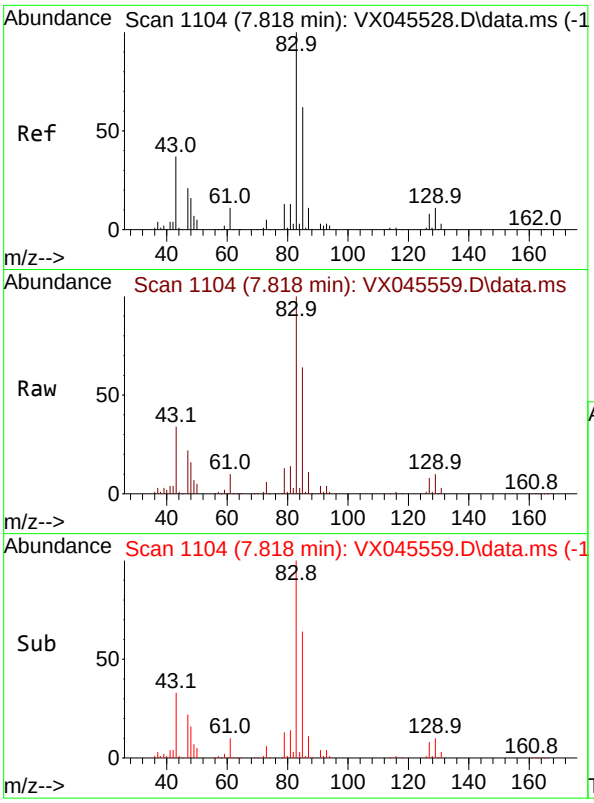


#46
Dibromomethane
Concen: 52.432 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 93 Resp: 47799

Ion	Ratio	Lower	Upper
93	100		
95	81.2	64.8	97.2
174	82.5	65.4	98.0

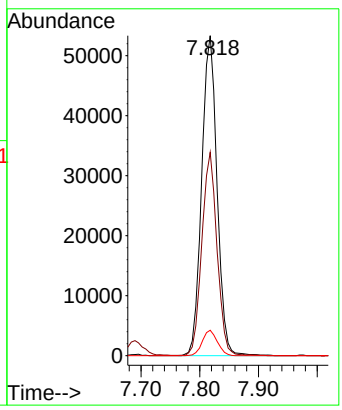




#47
Bromodichloromethane
Concen: 53.281 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 83 Resp: 9700

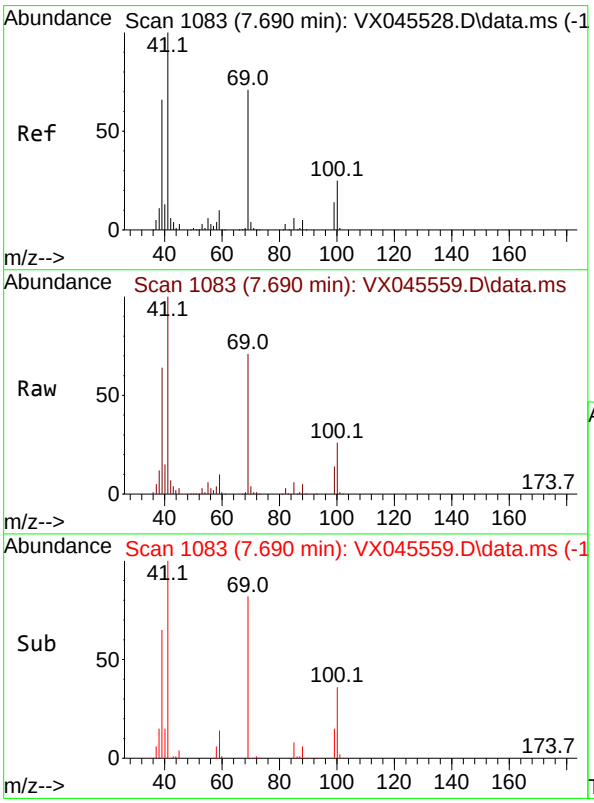
Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.7	74.5
127	8.0	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

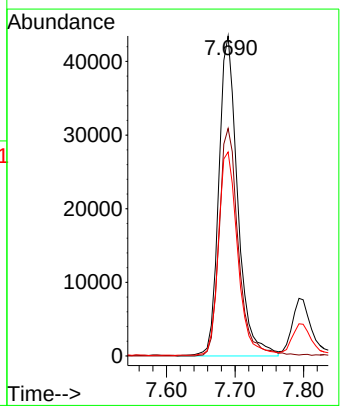
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

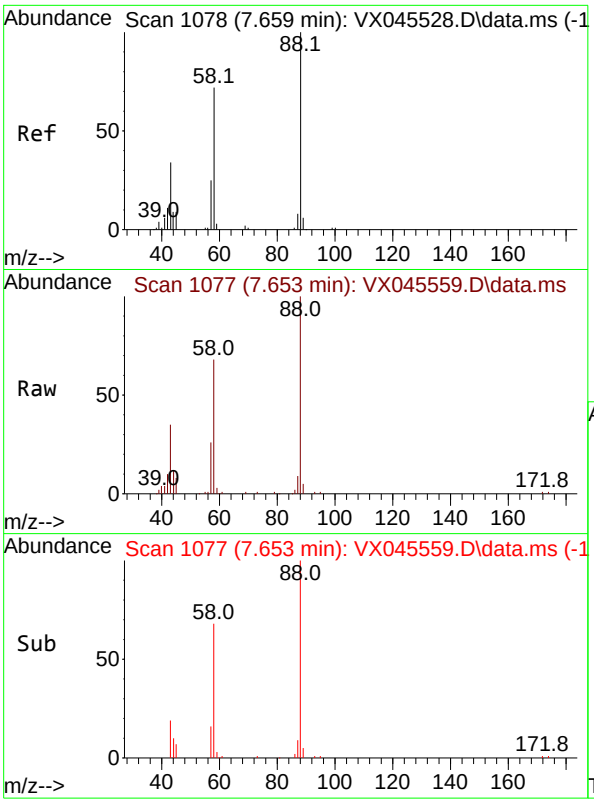


#48
Methyl methacrylate
Concen: 53.916 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 41 Resp: 82864

Ion	Ratio	Lower	Upper
41	100		
69	72.4	58.2	87.2
39	64.9	53.6	80.4





#49
1,4-Dioxane
Concen: 1069.810 ug/l
RT: 7.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

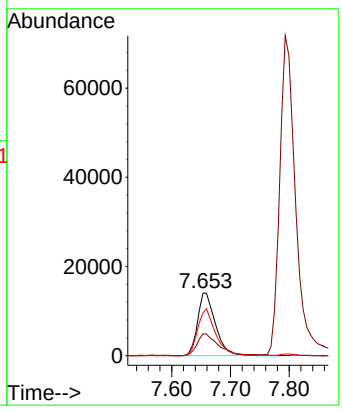
Tgt Ion: 88 Resp: 2974

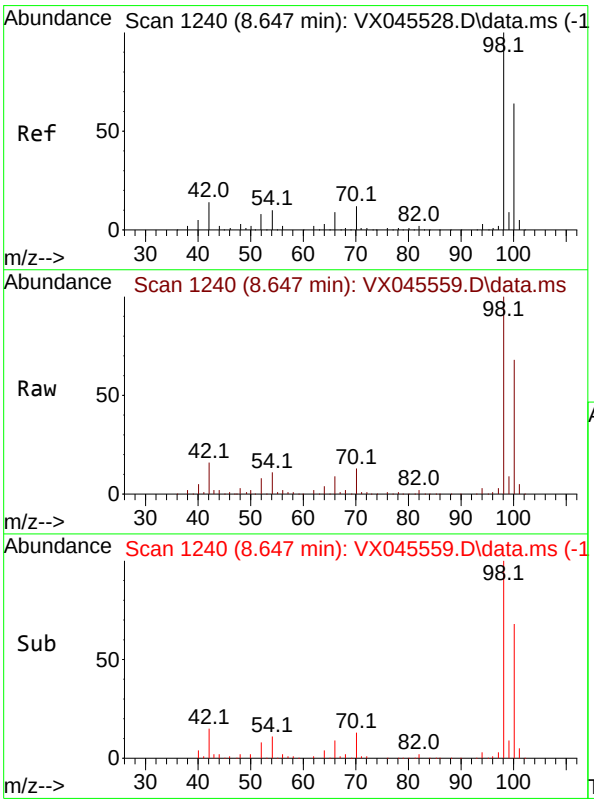
Ion	Ratio	Lower	Upper
88	100		
43	41.7	32.2	48.4
58	74.7	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

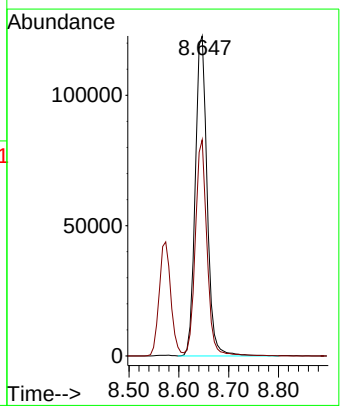


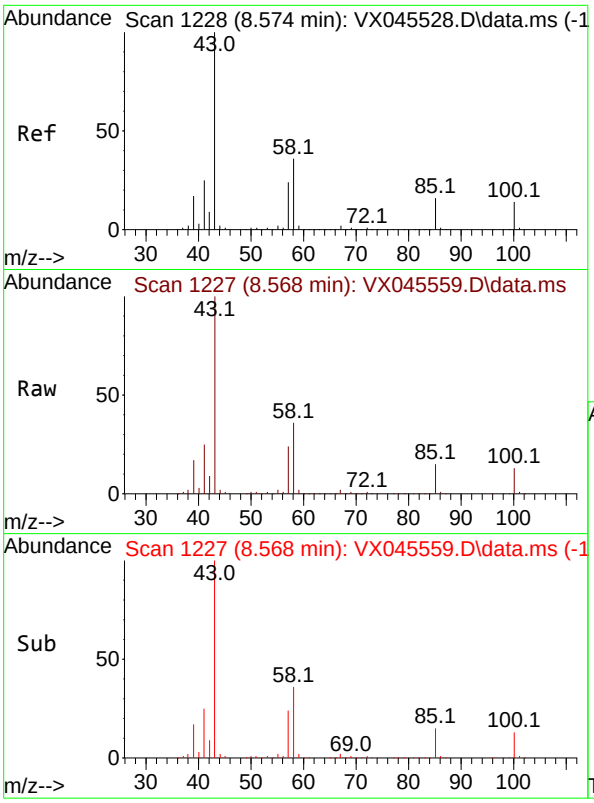


#50
Toluene-d8
Concen: 50.412 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 98 Resp: 203099

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.2	78.4

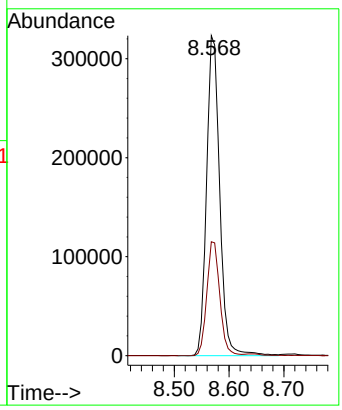




#51
4-Methyl-2-Pentanone
Concen: 271.376 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 43 Resp: 53550

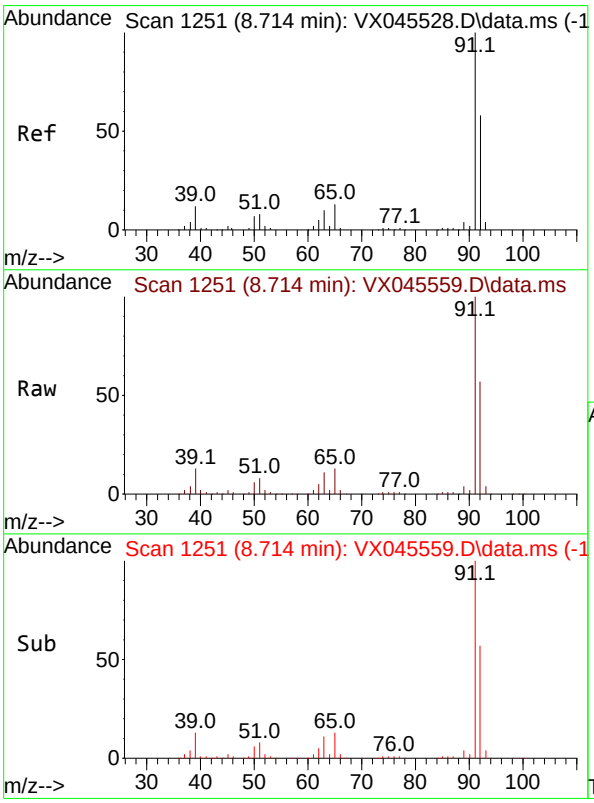
Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

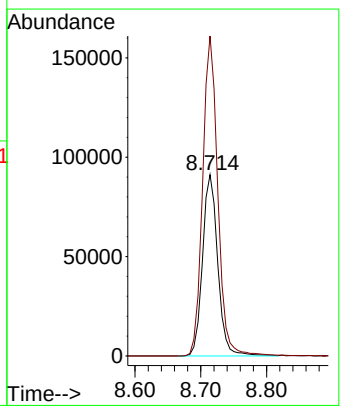
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

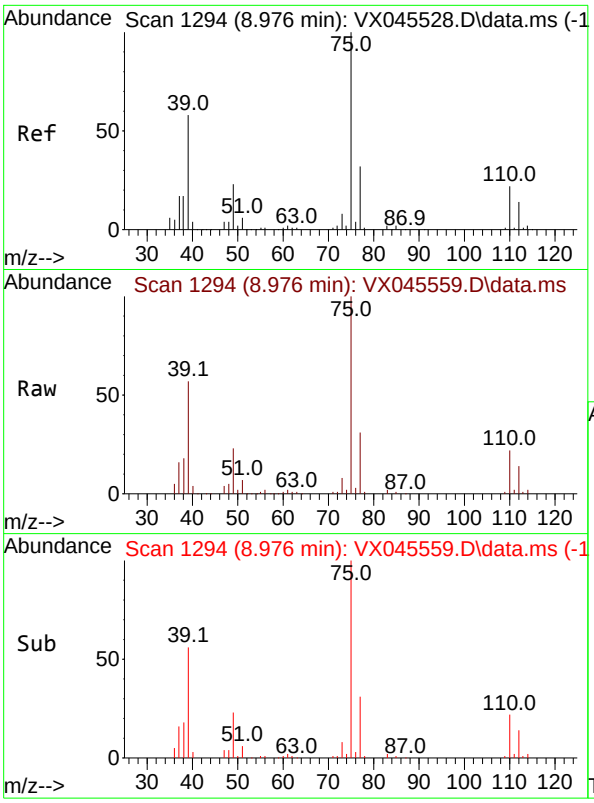


#52
Toluene
Concen: 51.038 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 92 Resp: 146995

Ion	Ratio	Lower	Upper
92	100		
91	176.0	138.7	208.1

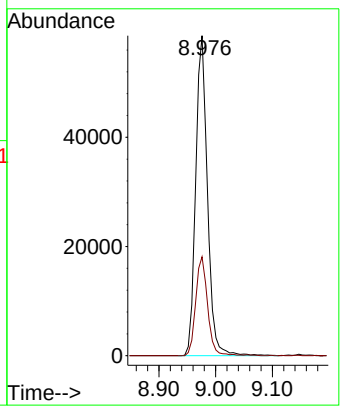




#53
t-1,3-Dichloropropene
Concen: 48.265 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 75 Resp: 8435

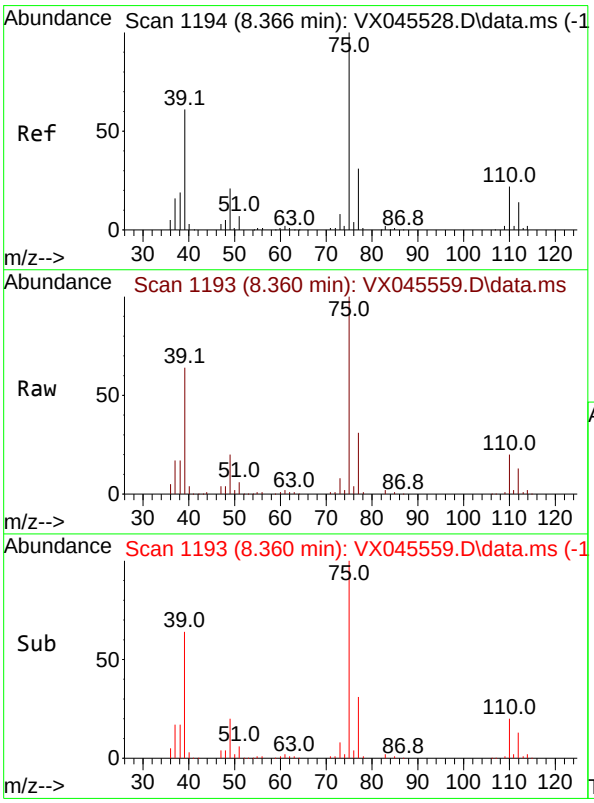
Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

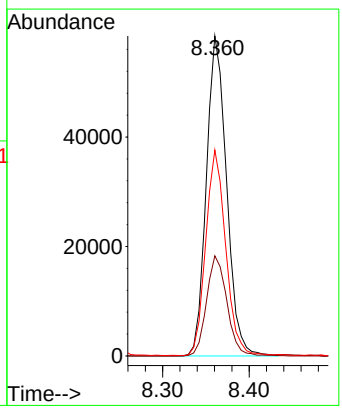
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

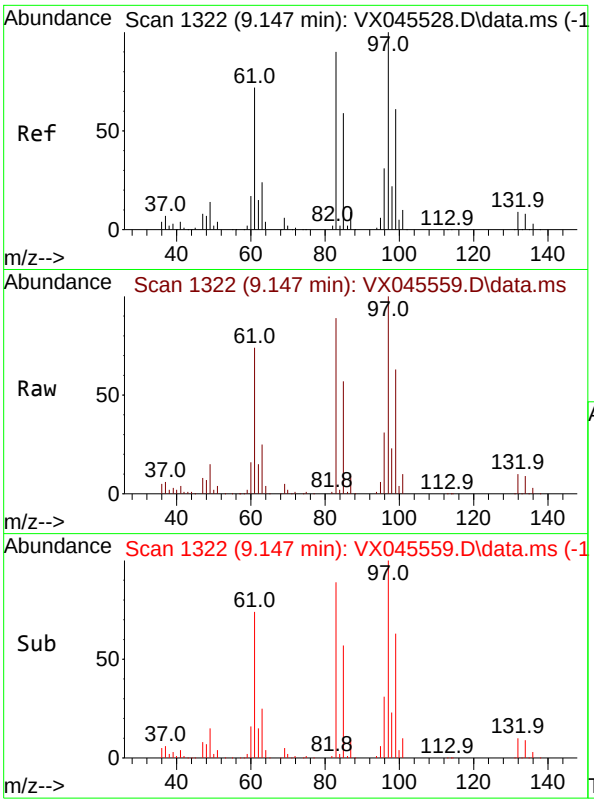


#54
cis-1,3-Dichloropropene
Concen: 55.553 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 75 Resp: 95044

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	64.2	48.4	72.6

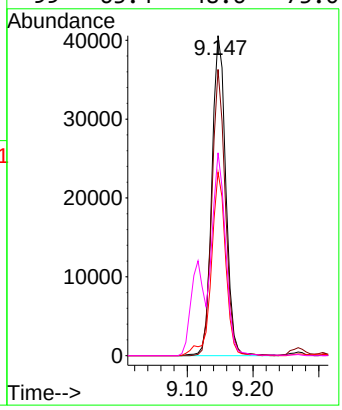




#55
1,1,2-Trichloroethane
Concen: 51.988 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 97 Resp: 5966

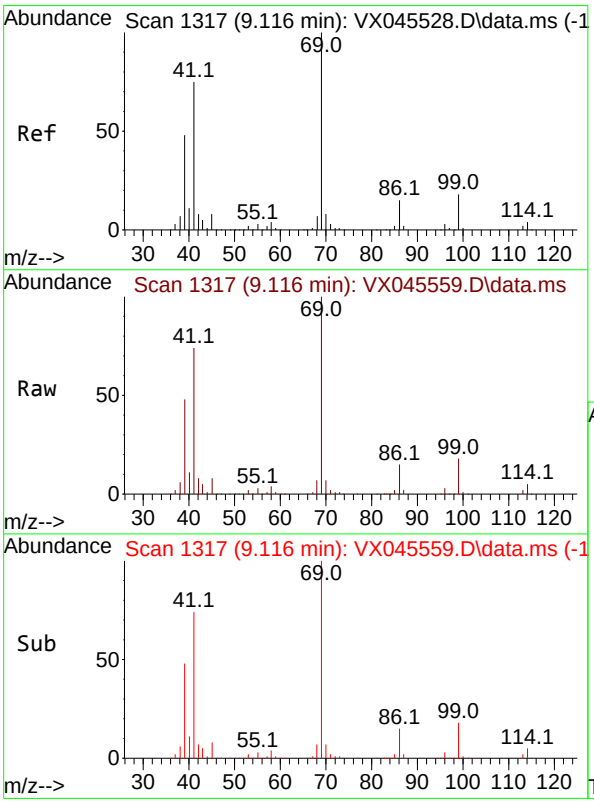
Ion	Ratio	Lower	Upper
97	100		
83	89.5	71.8	107.8
85	57.3	47.0	70.6
99	63.4	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

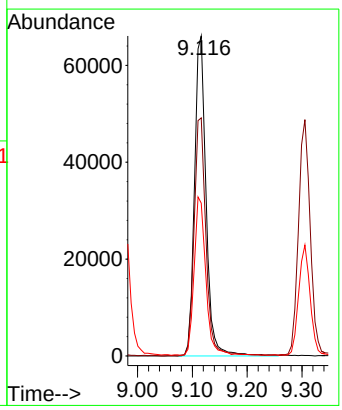
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

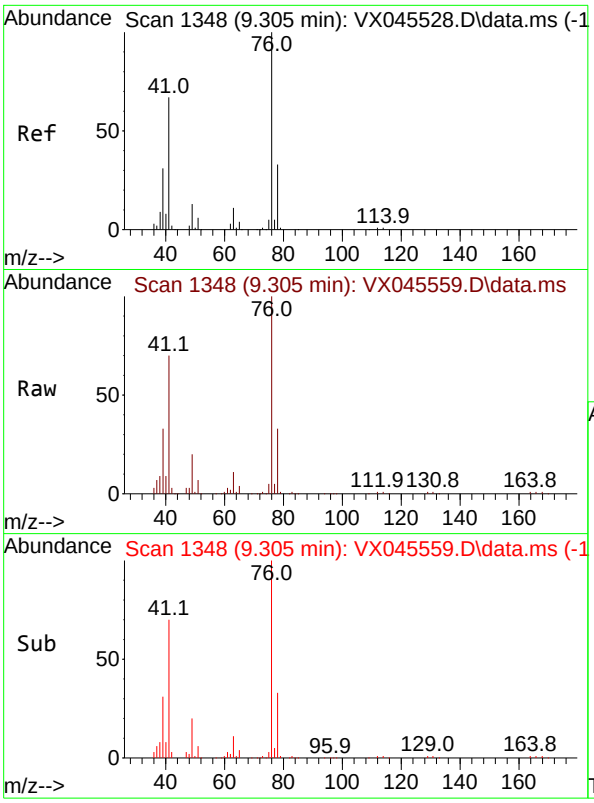


#56
Ethyl methacrylate
Concen: 54.916 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 69 Resp: 97540

Ion	Ratio	Lower	Upper
69	100		
41	76.6	61.3	91.9
39	50.3	40.2	60.2

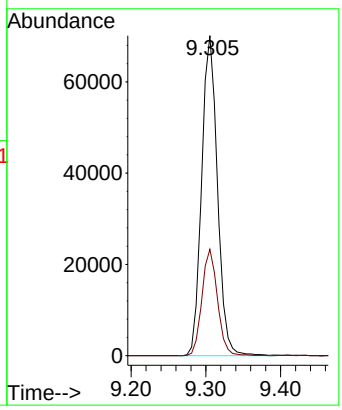




#57
1,3-Dichloropropane
Concen: 51.465 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 76 Resp: 10285

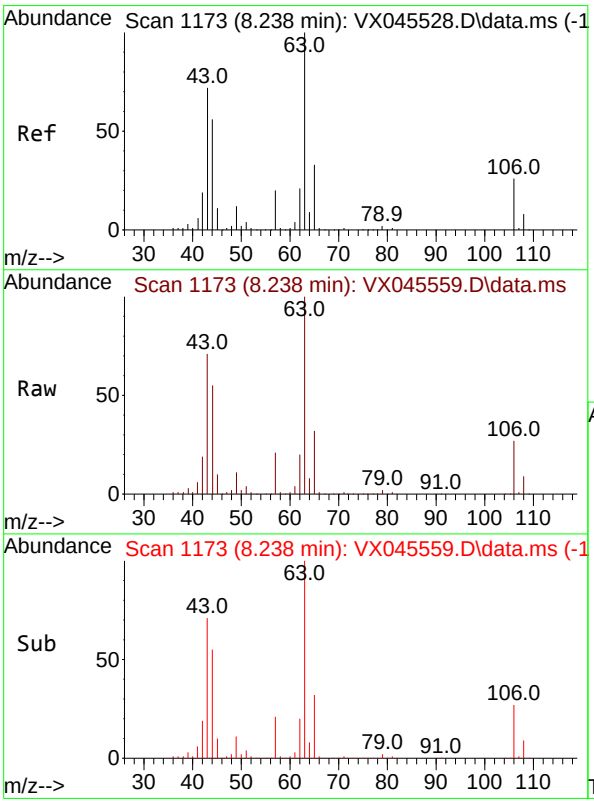
Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

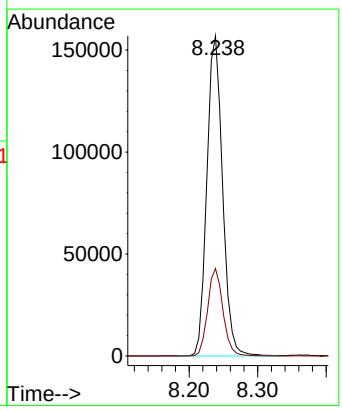
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

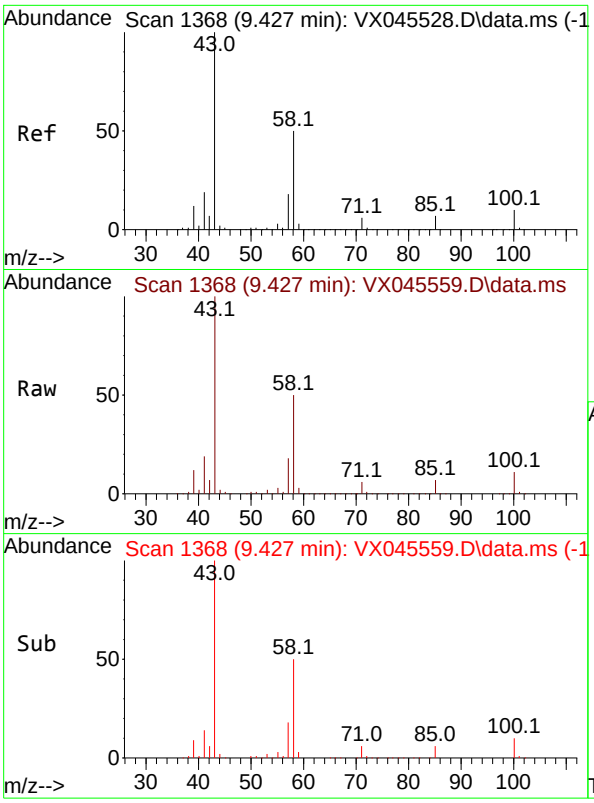


#58
2-Chloroethyl Vinyl ether
Concen: 278.463 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 63 Resp: 250203

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.0	31.6





#59
2-Hexanone
Concen: 266.003 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

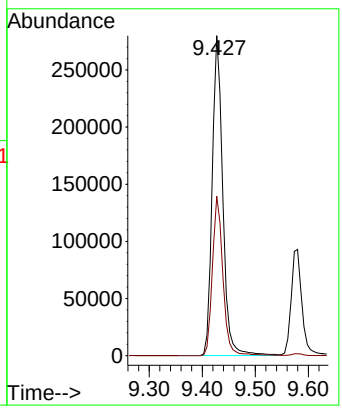
Tgt Ion: 43 Resp: 38870

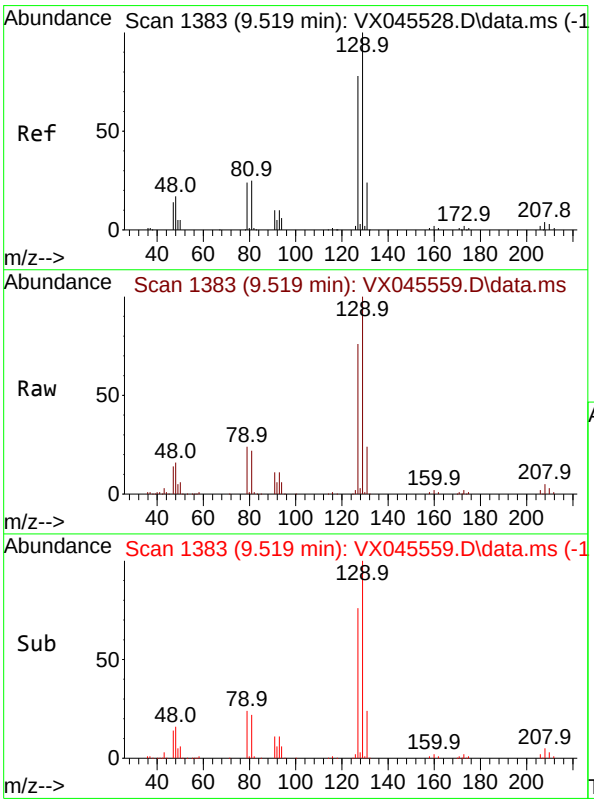
Ion	Ratio	Lower	Upper
43	100		
58	49.6	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

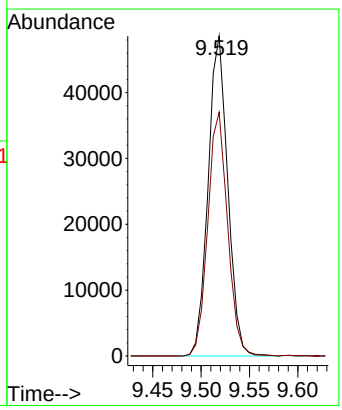


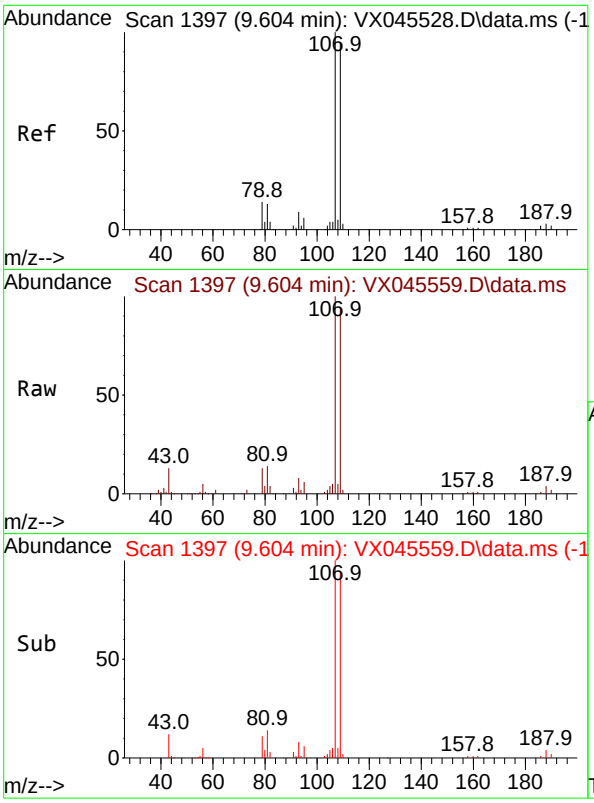


#60
Dibromochloromethane
Concen: 54.791 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:129 Resp: 68554

Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.4	118.2

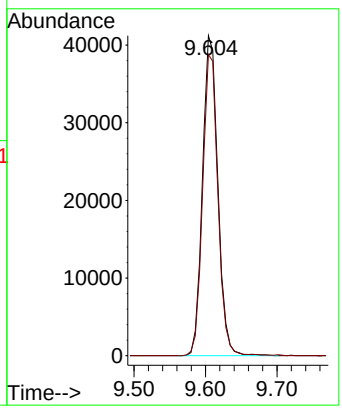




#61
1,2-Dibromoethane
Concen: 52.982 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:107 Resp: 6155

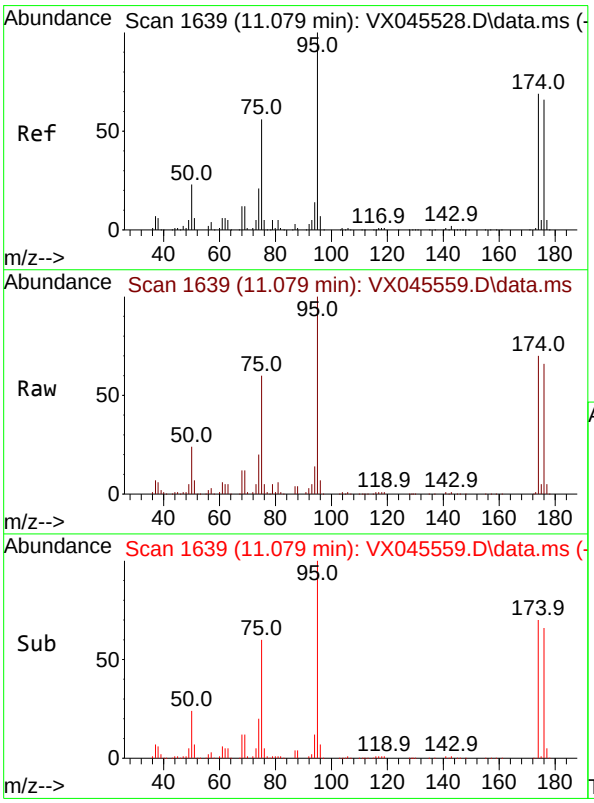
Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

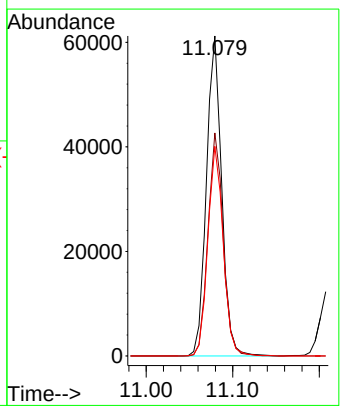
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

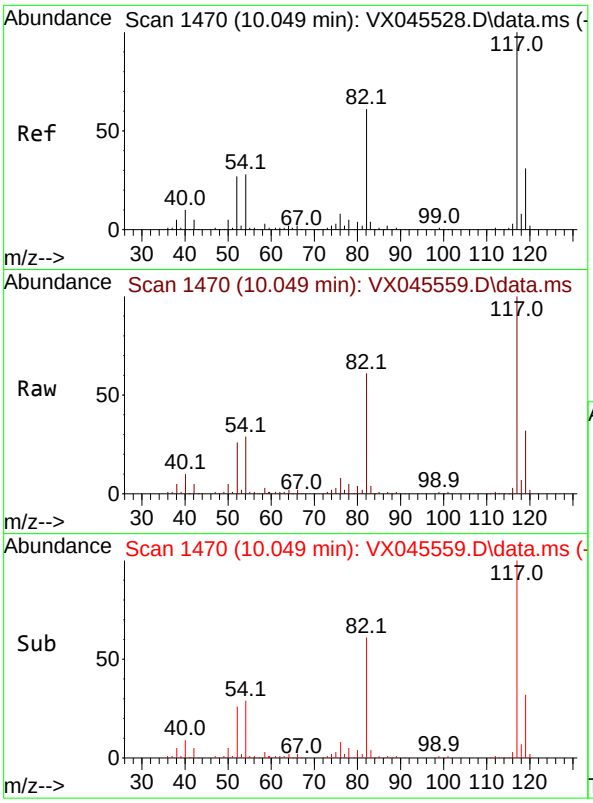


#62
4-Bromofluorobenzene
Concen: 51.040 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 95 Resp: 74900

Ion	Ratio	Lower	Upper
95	100		
174	69.5	0.0	135.8
176	66.0	0.0	131.4

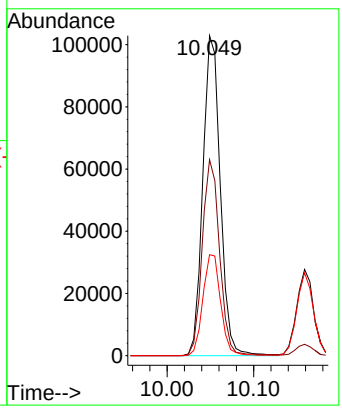




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:117 Resp: 14378

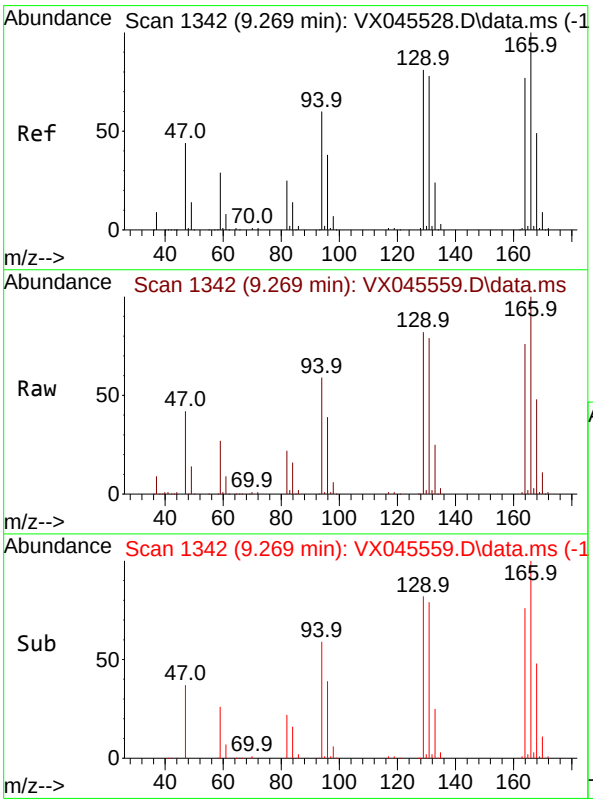
Ion	Ratio	Lower	Upper
117	100		
82	61.3	49.2	73.8
119	31.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

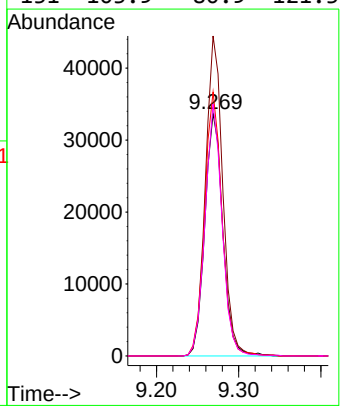
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

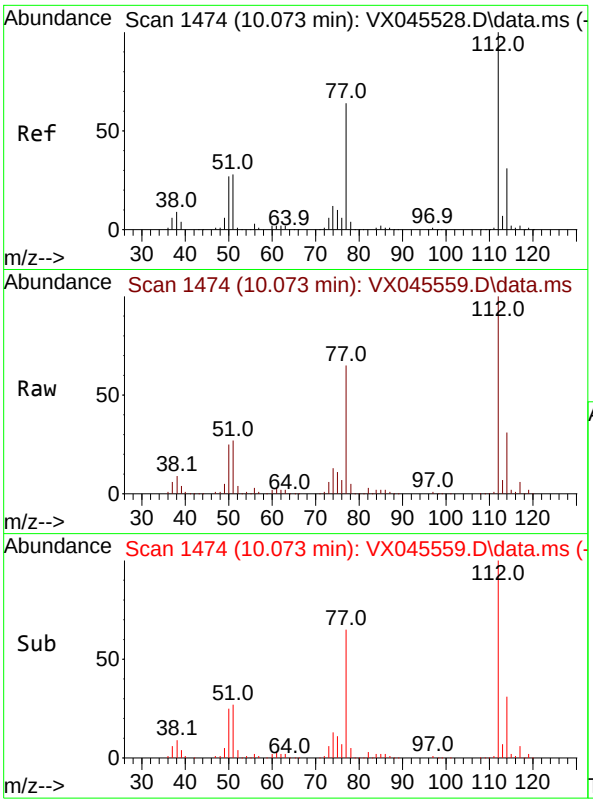


#64
Tetrachloroethene
Concen: 50.202 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:164 Resp: 50963

Ion	Ratio	Lower	Upper
164	100		
166	132.0	103.8	155.8
129	108.8	84.3	126.5
131	103.9	80.9	121.3

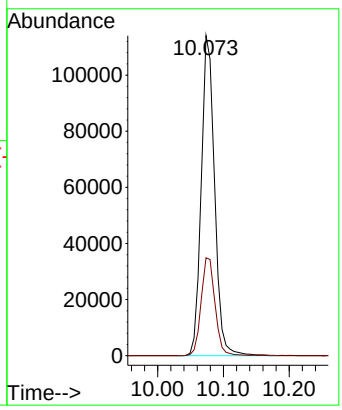




#65
Chlorobenzene
Concen: 52.511 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:112 Resp: 16133

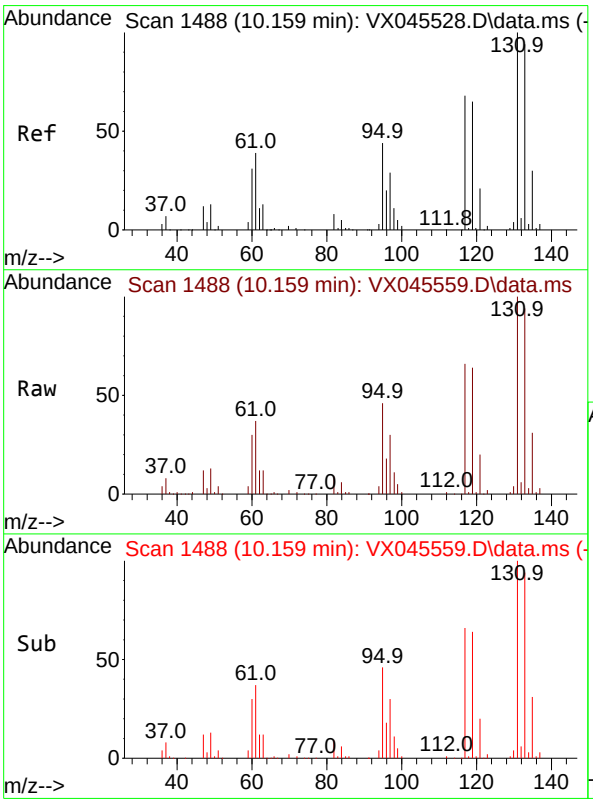
Ion	Ratio	Lower	Upper
112	100		
114	30.6	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

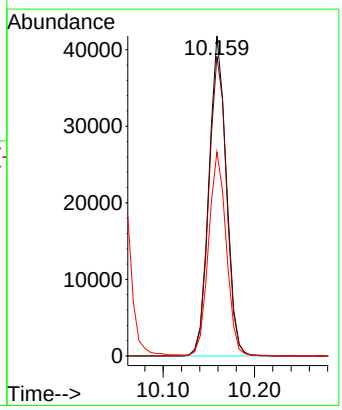
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

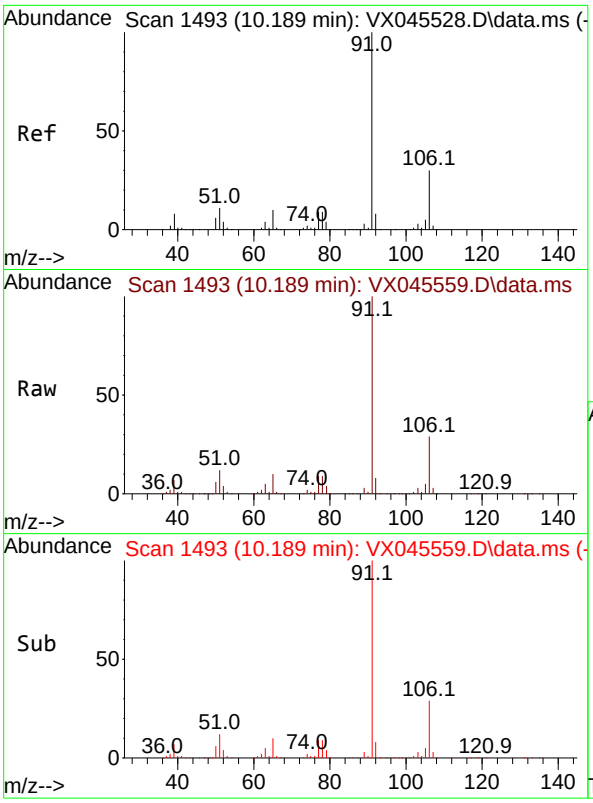


#66
1,1,1,2-Tetrachloroethane
Concen: 51.757 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:131 Resp: 55208

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.5	142.5
119	64.8	32.9	98.6





#67
Ethyl Benzene
Concen: 53.122 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

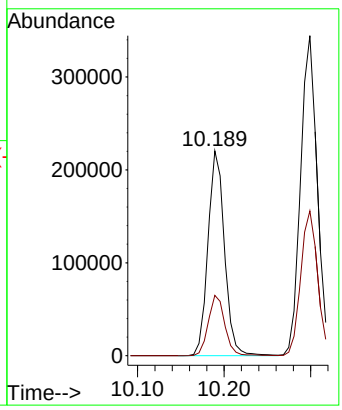
Tgt Ion: 91 Resp: 29231

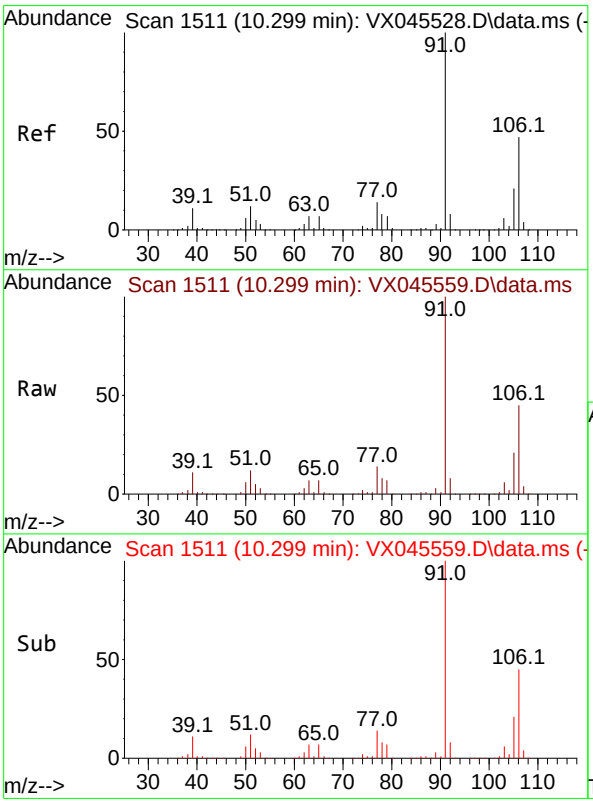
Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.7	35.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

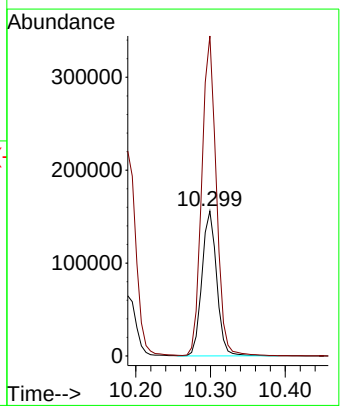


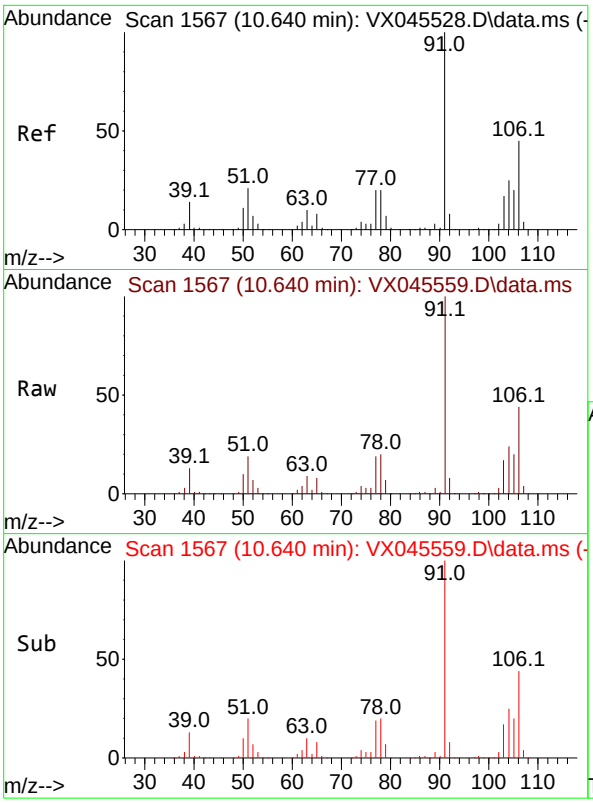


#68
m/p-Xylenes
Concen: 106.687 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:106 Resp: 213521

Ion	Ratio	Lower	Upper
106	100		
91	218.5	172.6	258.8

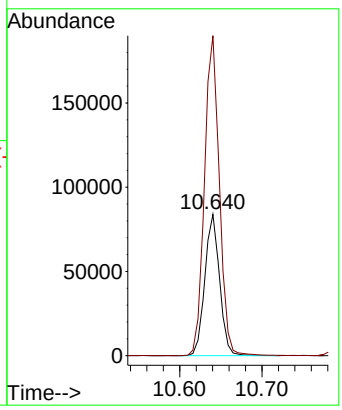




#69
o-Xylene
Concen: 53.092 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:106 Resp: 10467

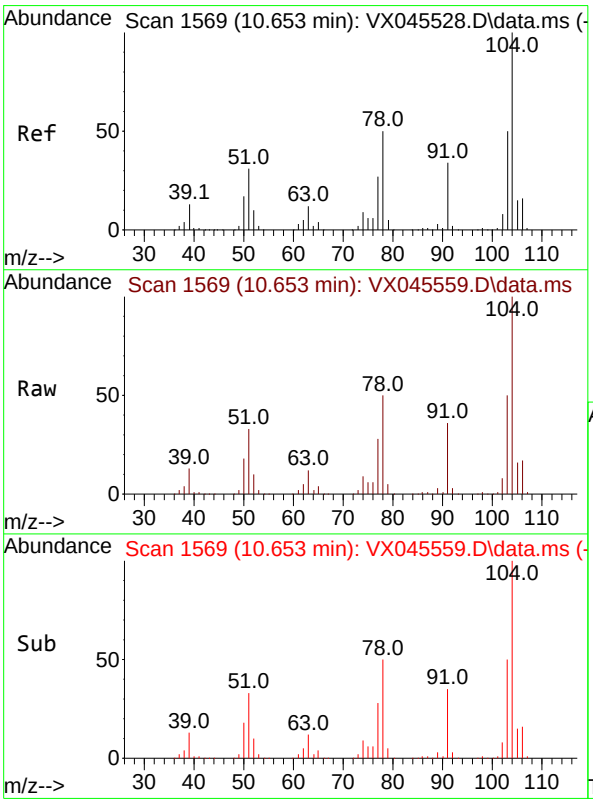
Ion	Ratio	Lower	Upper
106	100		
91	228.9	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

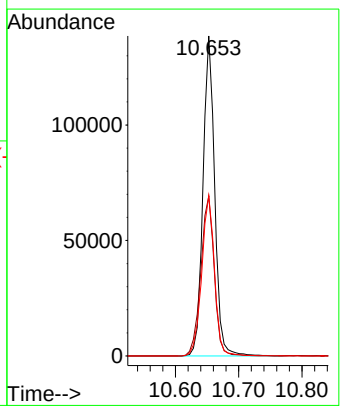
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

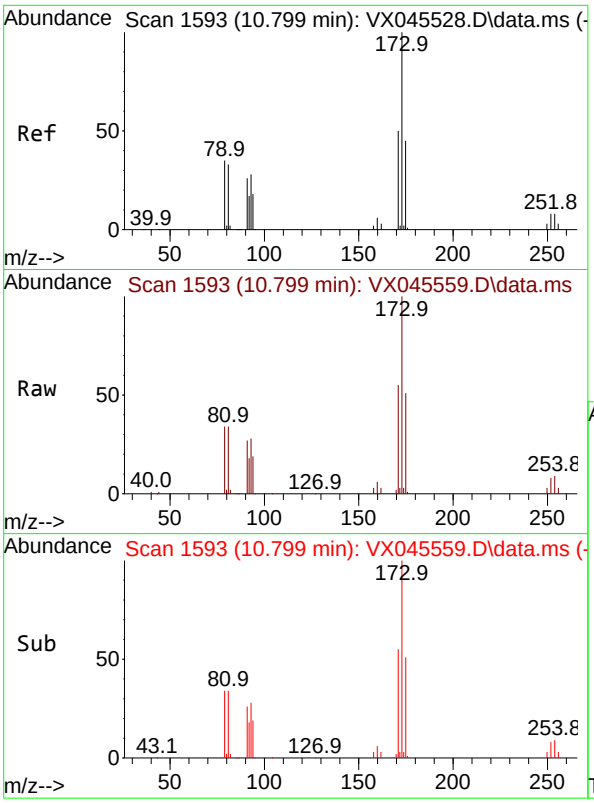


#70
Styrene
Concen: 54.847 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:104 Resp: 178474

Ion	Ratio	Lower	Upper
104	100		
78	57.4	45.4	68.2
103	54.8	43.8	65.8





#71
Bromoform
Concen: 54.761 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

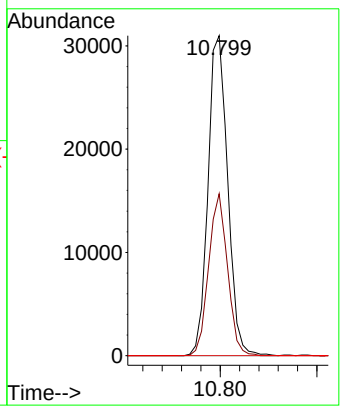
Tgt Ion:173 Resp: 4361

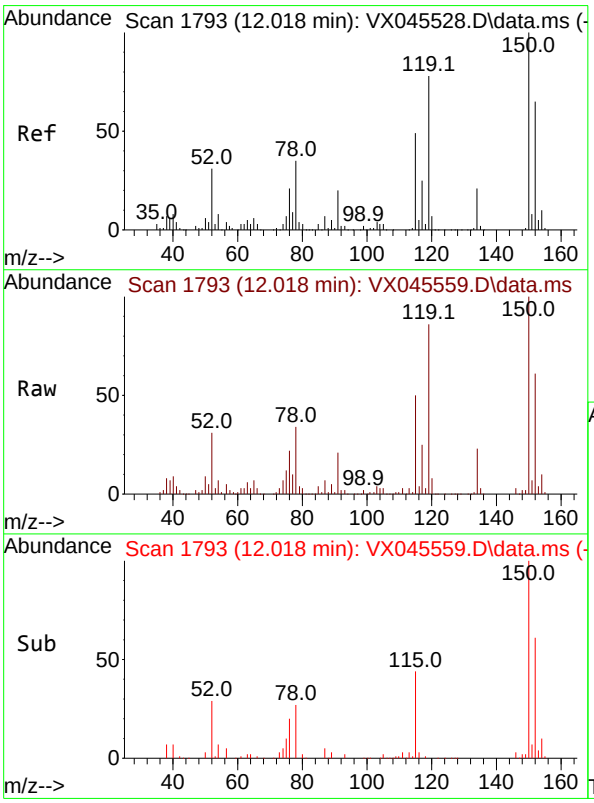
Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.4	70.2
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

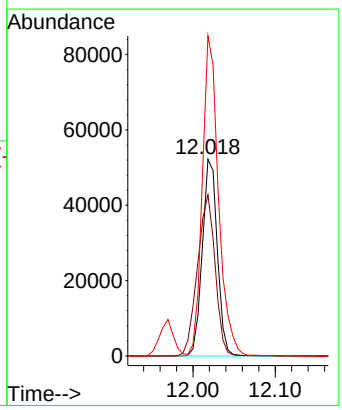


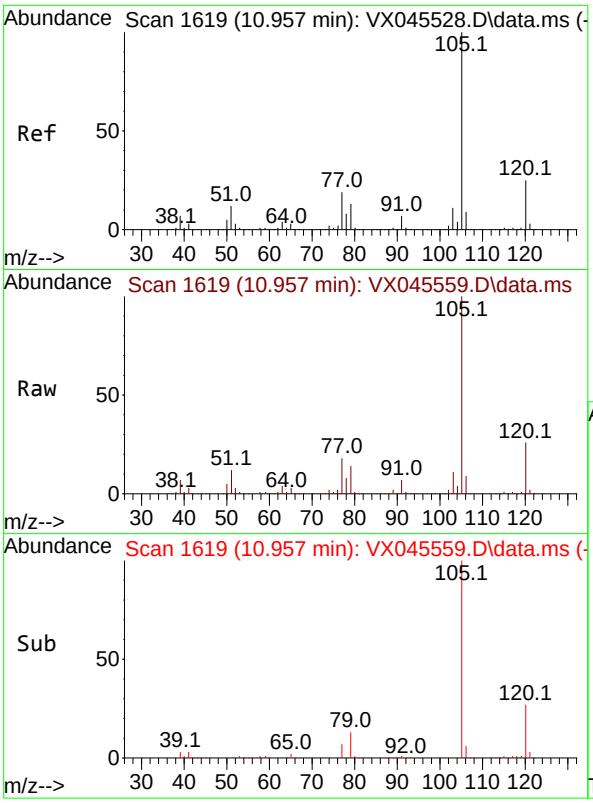


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:152 Resp: 66270

Ion	Ratio	Lower	Upper
152	100		
115	96.4	46.9	140.7
150	174.6	0.0	349.4





#73
Isopropylbenzene
Concen: 52.752 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

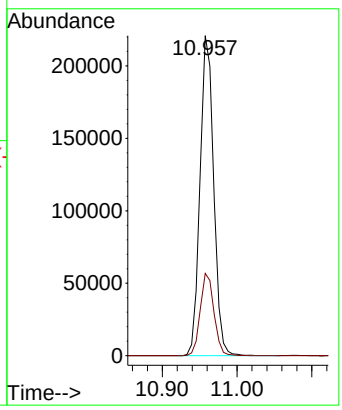
Tgt Ion:105 Resp: 28002

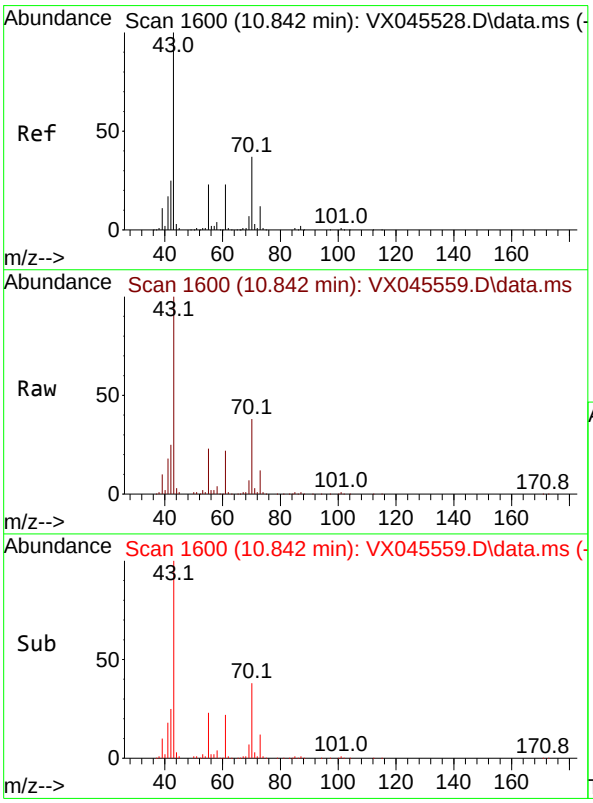
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

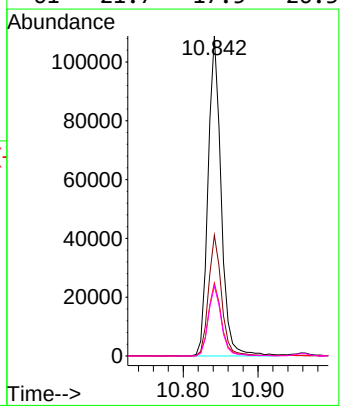


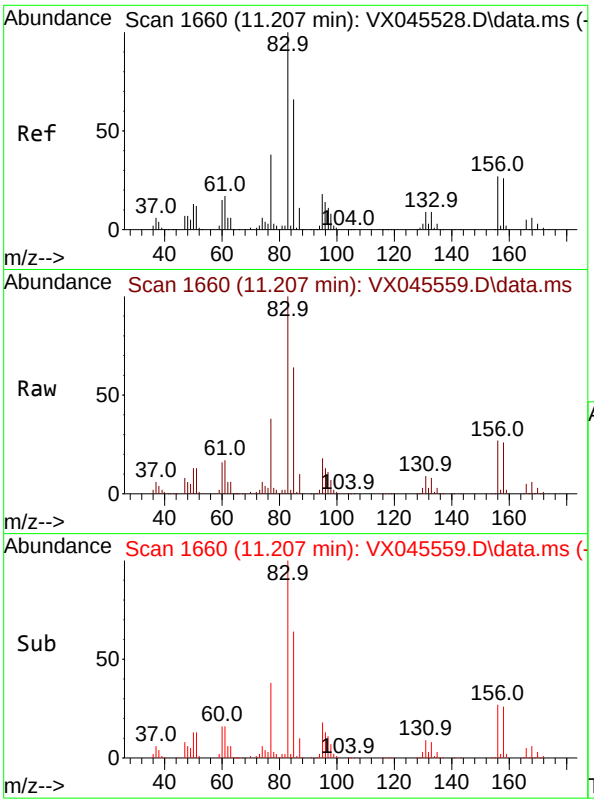


#74
N-amyl acetate
Concen: 51.953 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 43 Resp: 131921

Ion	Ratio	Lower	Upper
43	100		
70	37.5	30.1	45.1
55	23.2	18.3	27.5
61	21.7	17.5	26.3

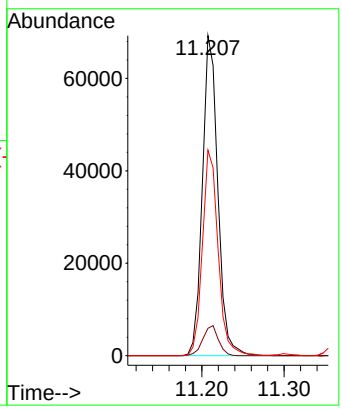




#75
1,1,2,2-Tetrachloroethane
Concen: 48.351 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 83 Resp: 9016

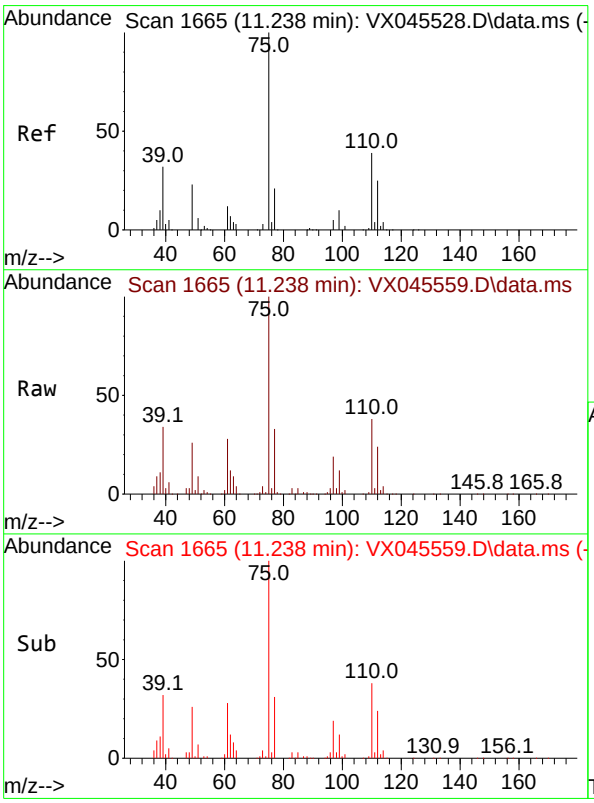
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.7	14.1
85	65.2	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

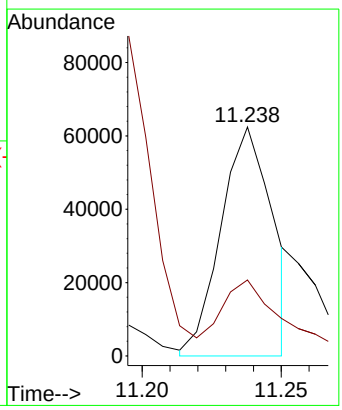
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

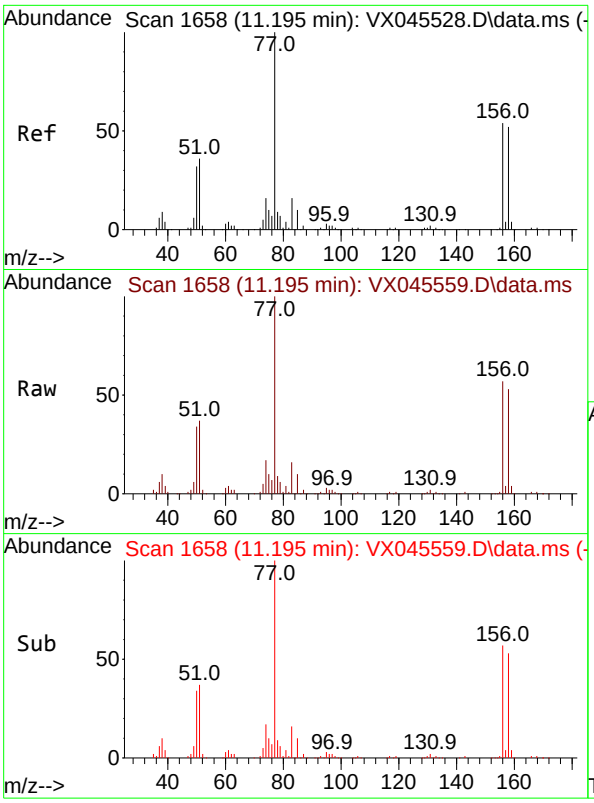


#76
1,2,3-Trichloropropane
Concen: 49.735 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 75 Resp: 80395

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.0	59.9

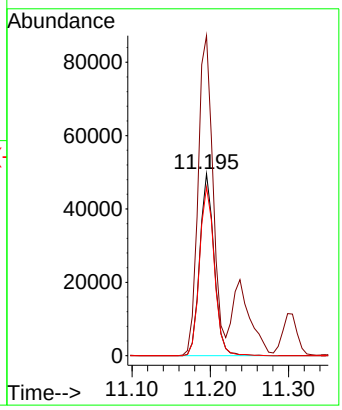




#77
Bromobenzene
Concen: 51.347 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:156 Resp: 6297

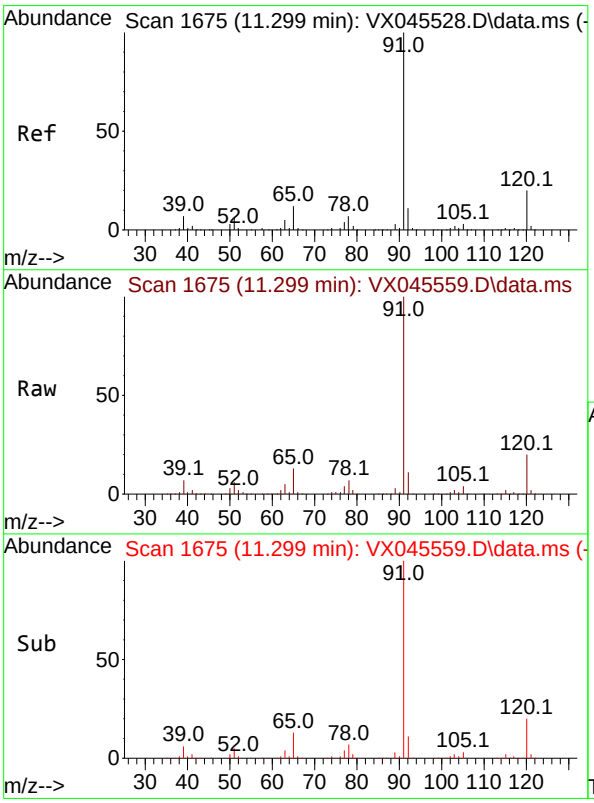
Ion	Ratio	Lower	Upper
156	100		
77	183.4	92.6	277.8
158	96.0	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

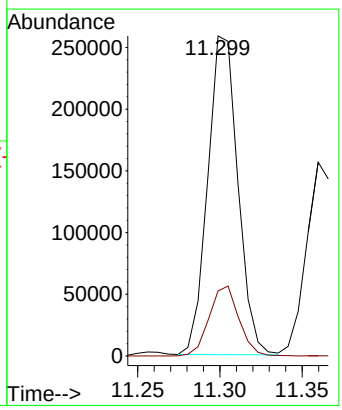
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

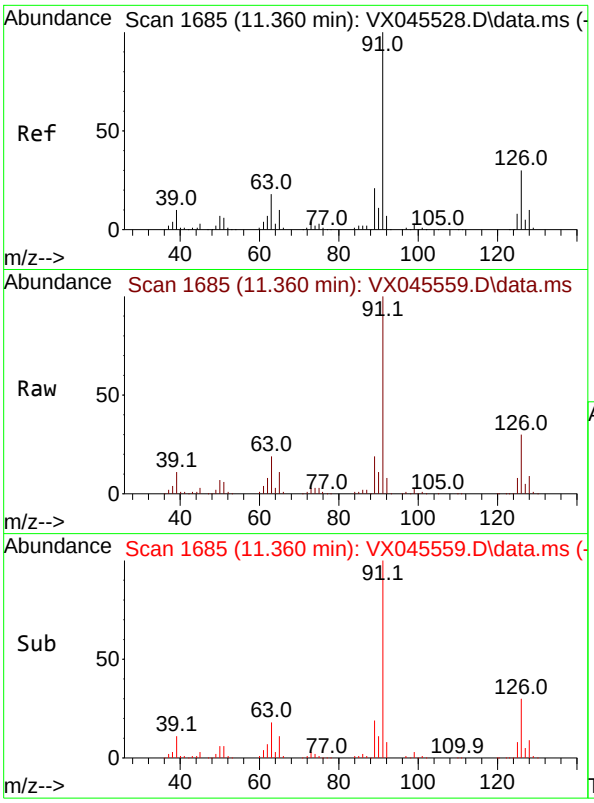


#78
n-propylbenzene
Concen: 54.023 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 91 Resp: 330313

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.3

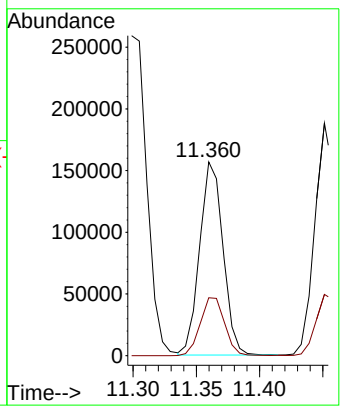




#79
2-Chlorotoluene
Concen: 51.521 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 91 Resp: 20138

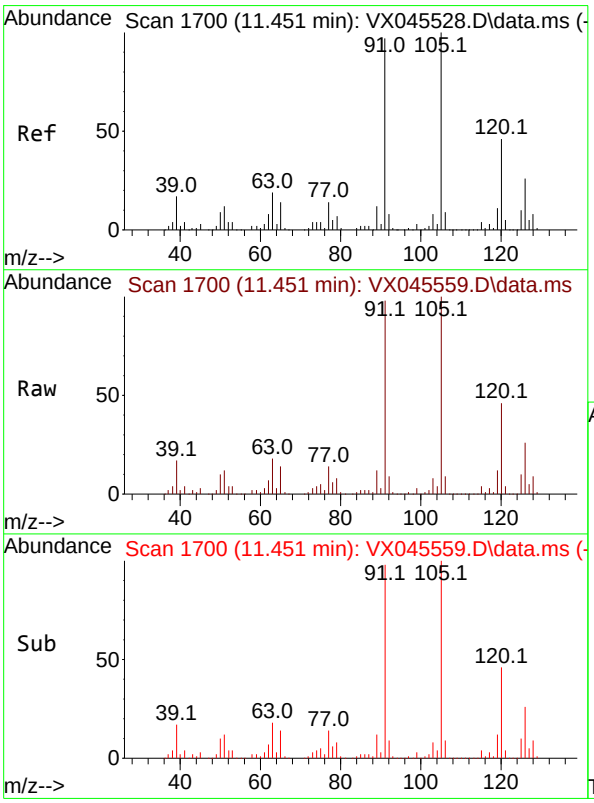
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

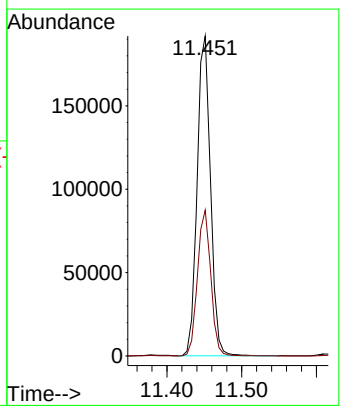
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

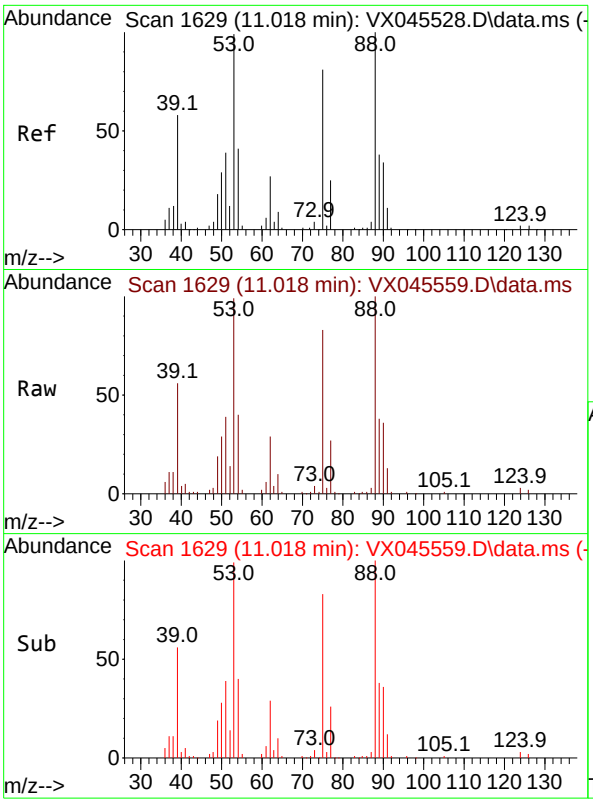


#80
1,3,5-Trimethylbenzene
Concen: 54.195 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:105 Resp: 237889

Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 52.613 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

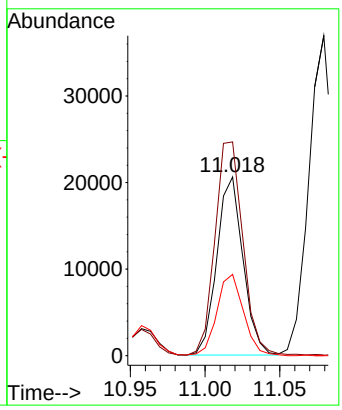
Tgt Ion: 75 Resp: 2505

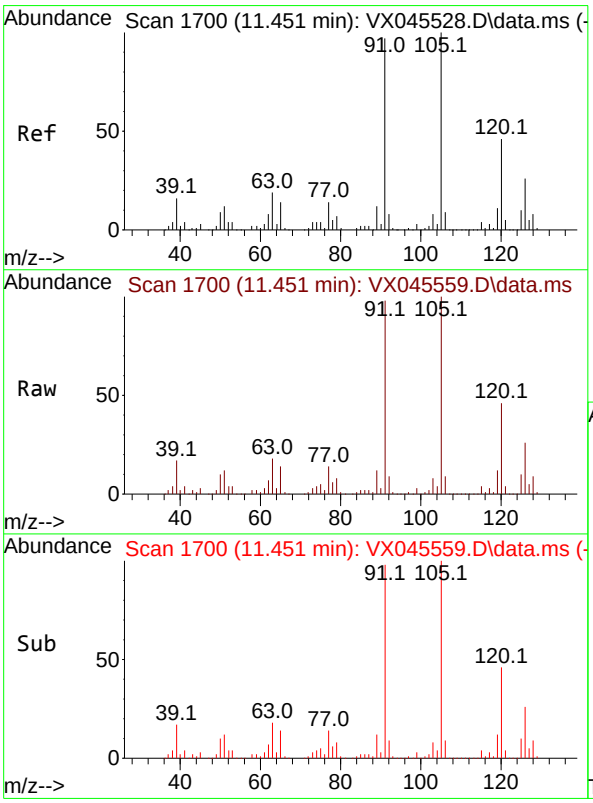
Ion	Ratio	Lower	Upper
75	100		
53	129.4	101.8	152.6
89	46.6	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

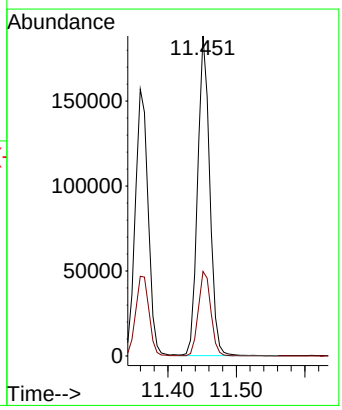


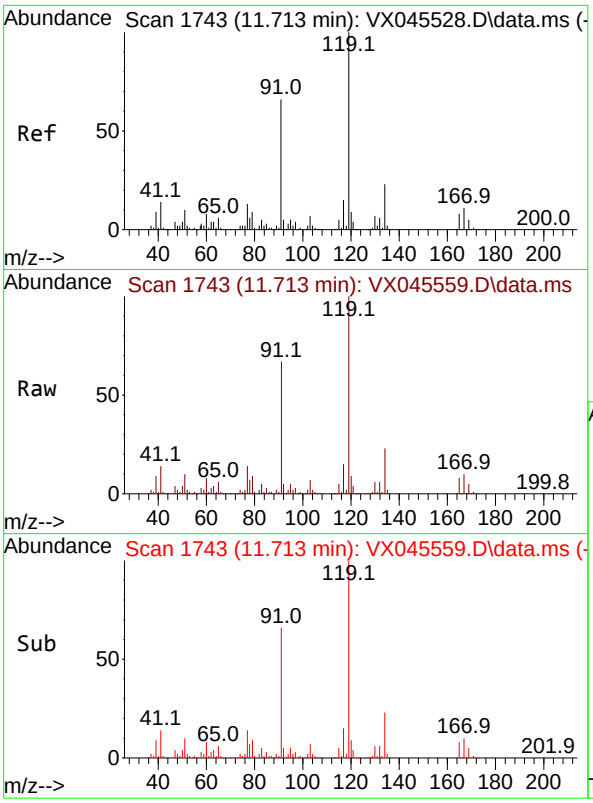


#82
4-Chlorotoluene
Concen: 53.158 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 91 Resp: 231669

Ion	Ratio	Lower	Upper
91	100		
126	27.1	13.3	39.9

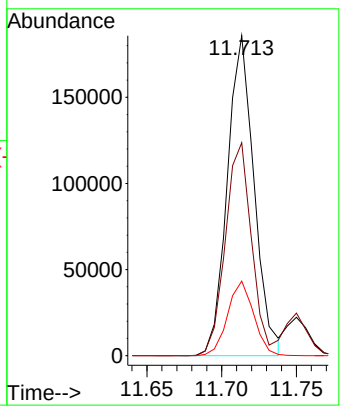




#83
tert-Butylbenzene
Concen: 53.394 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:119 Resp: 23203

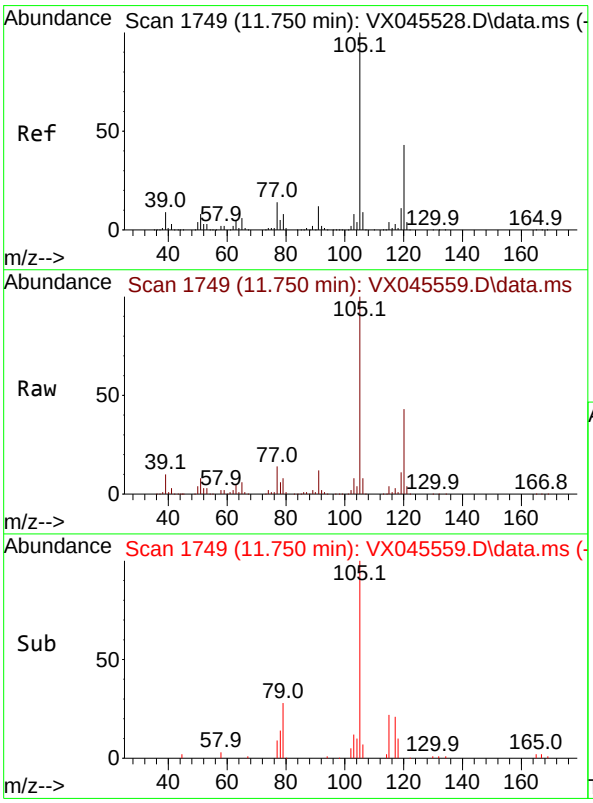
Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.4	97.2
134	22.6	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

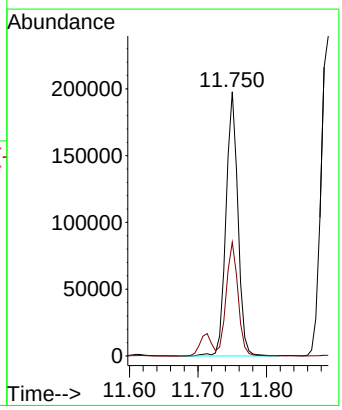
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

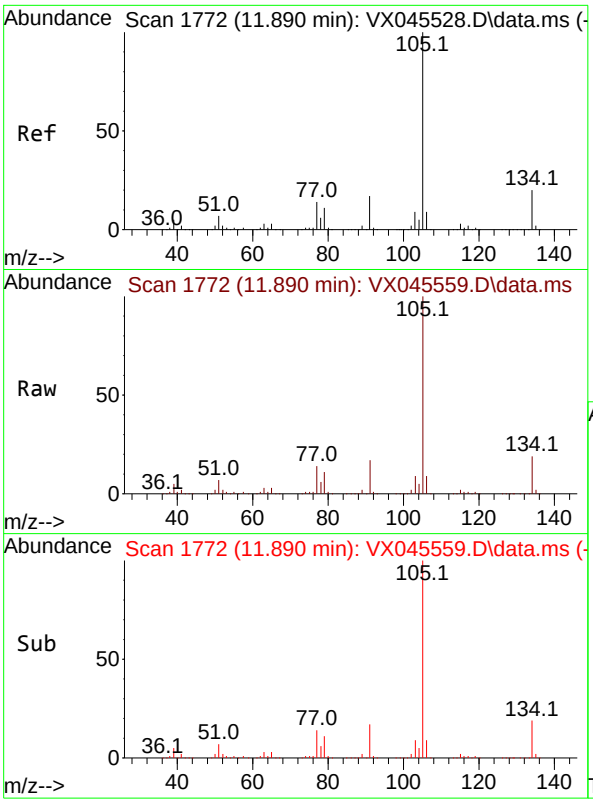


#84
1,2,4-Trimethylbenzene
Concen: 54.063 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:105 Resp: 238183

Ion	Ratio	Lower	Upper
105	100		
120	42.7	21.4	64.3





#85
sec-Butylbenzene
Concen: 54.862 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

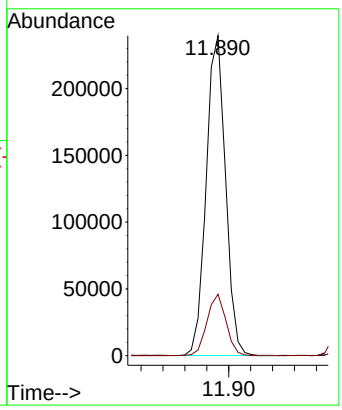
Tgt Ion:105 Resp: 29283

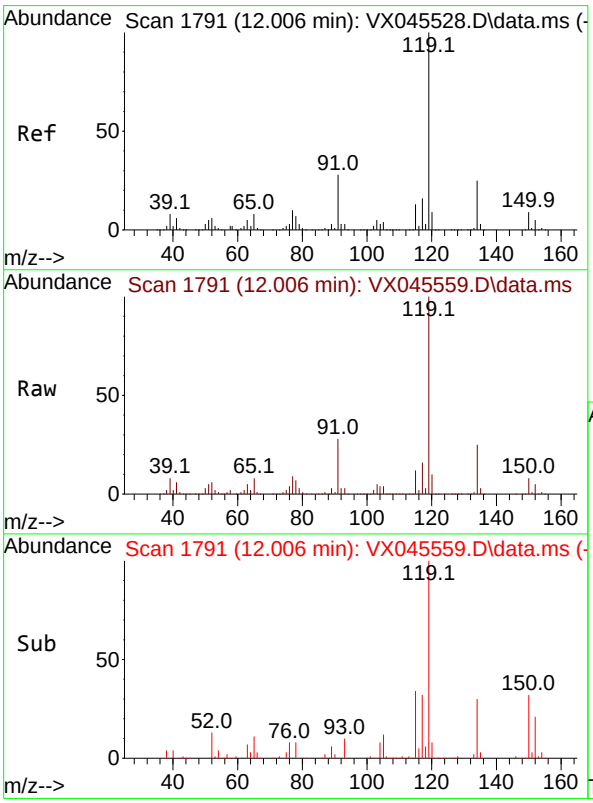
Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.6	28.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

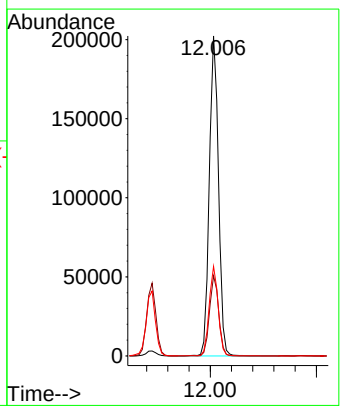


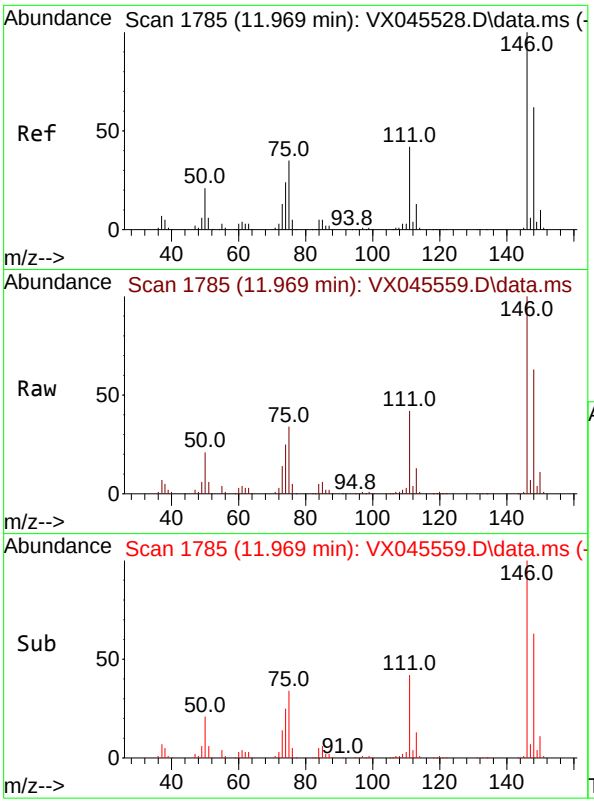


#86
p-Isopropyltoluene
Concen: 54.914 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:119 Resp: 241650

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.8
91	27.4	13.7	41.1

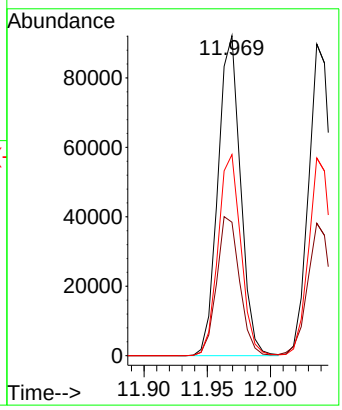




#87
1,3-Dichlorobenzene
Concen: 51.187 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:146 Resp: 11428

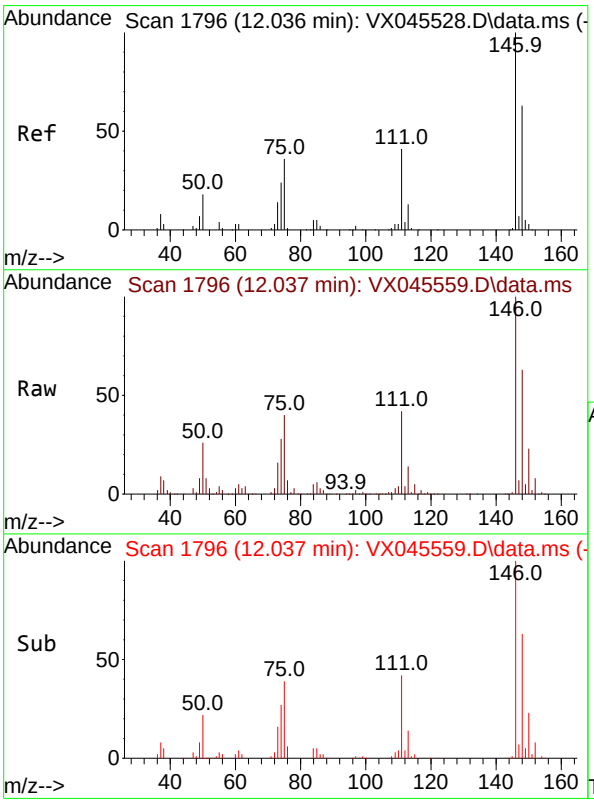
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

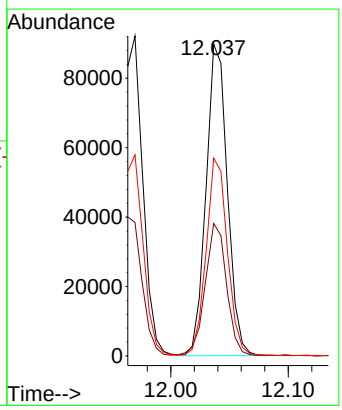
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

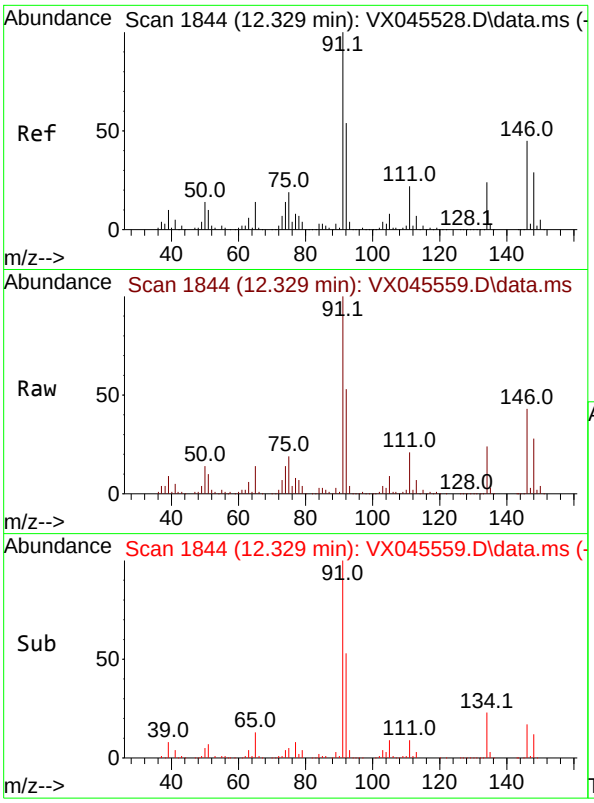


#88
1,4-Dichlorobenzene
Concen: 49.973 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:146 Resp: 113108

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.9	62.8
148	63.4	31.5	94.5





#89
n-Butylbenzene
Concen: 57.188 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

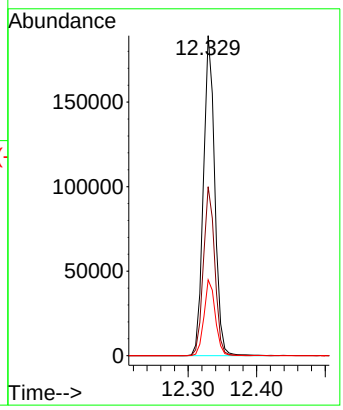
Tgt Ion: 91 Resp: 21822

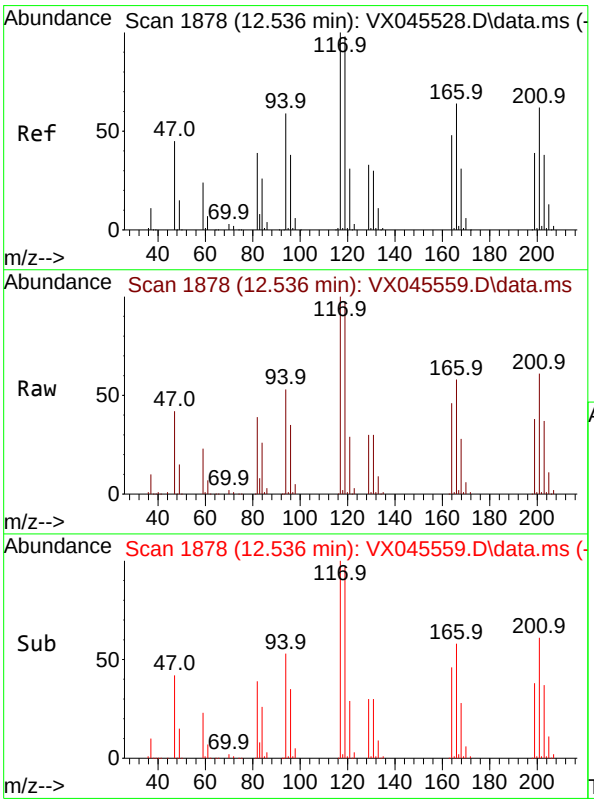
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.9	80.6
134	23.6	11.9	35.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

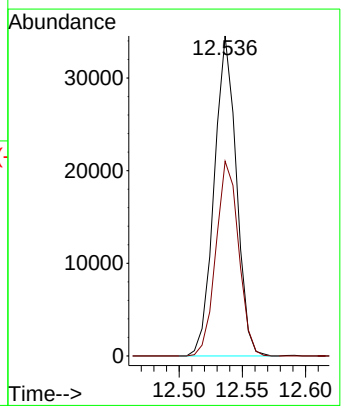


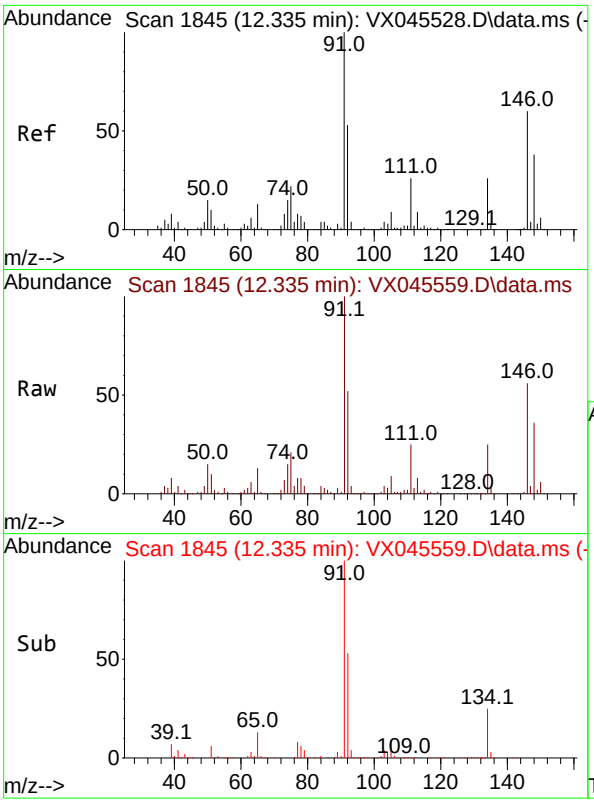


#90
Hexachloroethane
Concen: 55.591 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:117 Resp: 42042

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.2	93.6

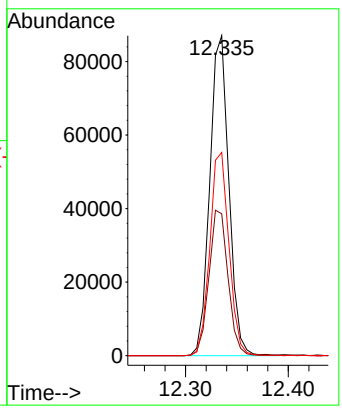




#91
1,2-Dichlorobenzene
Concen: 50.437 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:146 Resp: 11195

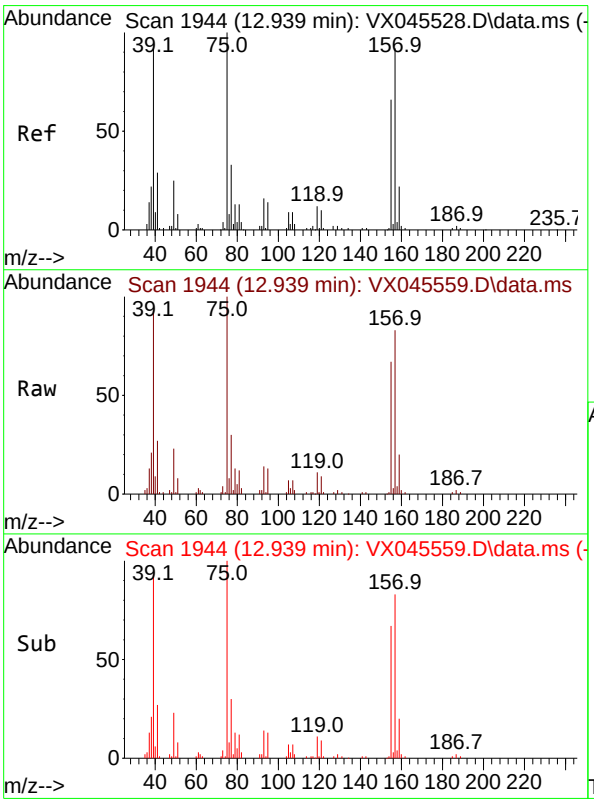
Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.9	68.8
148	63.9	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

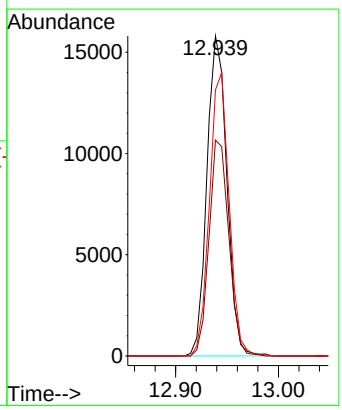
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

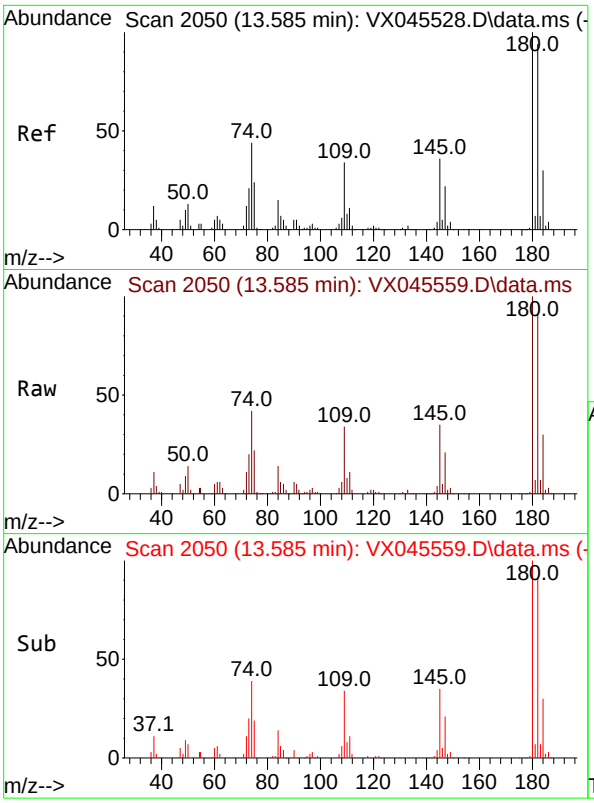


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.613 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion: 75 Resp: 21298

Ion	Ratio	Lower	Upper
75	100		
155	66.9	34.9	104.7
157	87.1	44.9	134.7

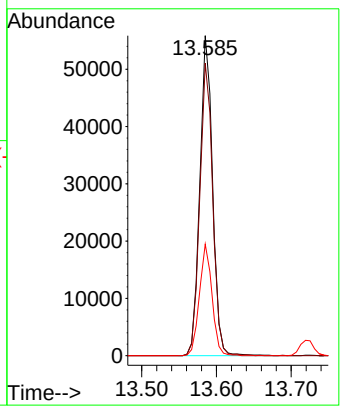




#93
1,2,4-Trichlorobenzene
Concen: 53.424 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:180 Resp: 6600

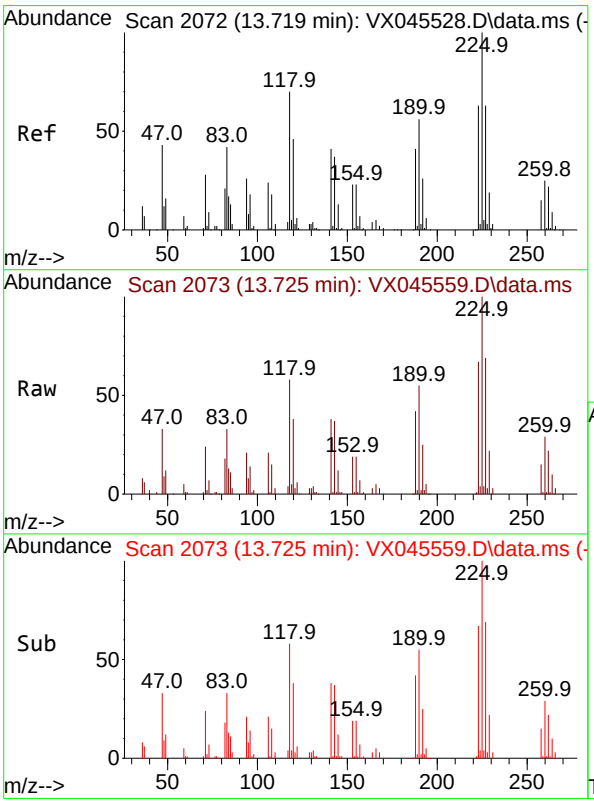
Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.9	143.6
145	34.5	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

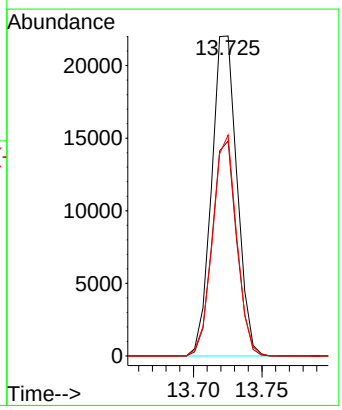
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

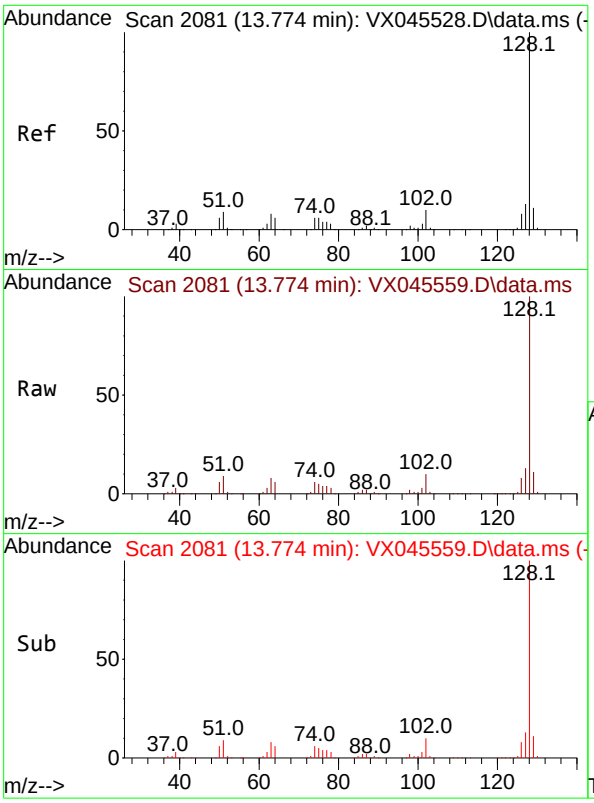


#94
Hexachlorobutadiene
Concen: 53.224 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:225 Resp: 28337

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.1	93.3
227	65.5	32.2	96.6

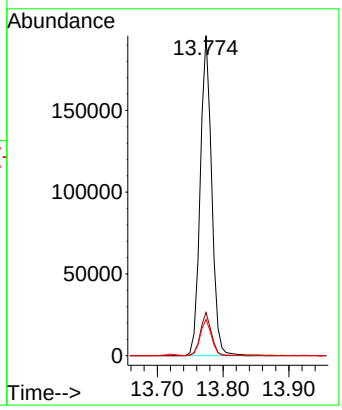




#95
Naphthalene
Concen: 51.463 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:128 Resp: 23662

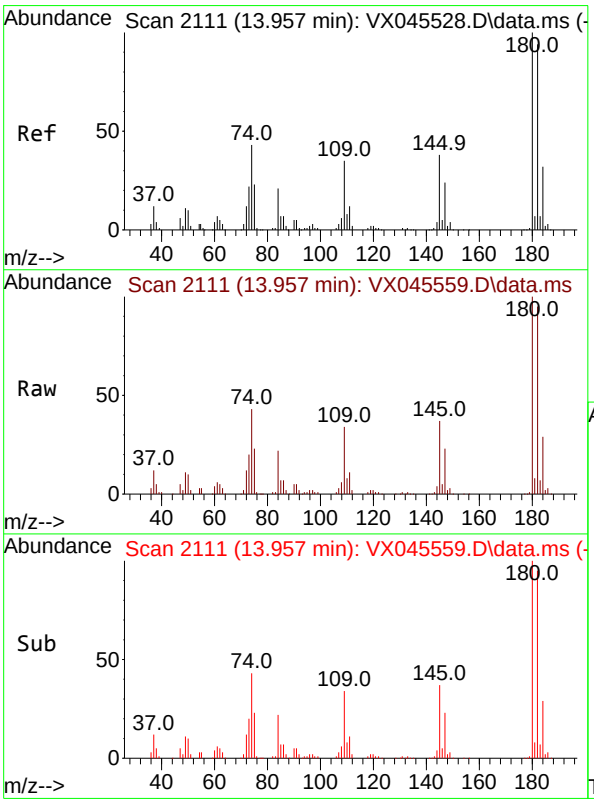
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.2	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

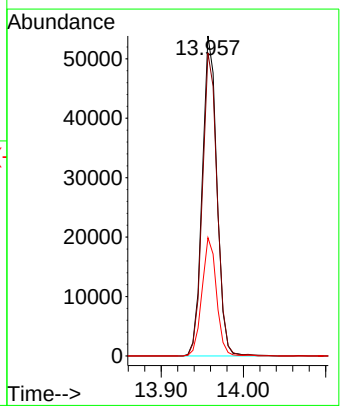
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.481 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045559.D
Acq: 03 Apr 2025 10:30

Tgt Ion:180 Resp: 66605

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.8
145	36.6	18.2	54.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045559.D
Acq On : 03 Apr 2025 10:30
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 04 01:17:10 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	0.00
2	T	Dichlorodifluoromethane	0.748	0.863	-15.4	105	0.00
3	P	Chloromethane	0.768	0.782	-1.8	99	0.00
4	C	Vinyl Chloride	0.703	0.734	-4.4#	102	0.00
5	T	Bromomethane	0.333	0.322	3.3	97	0.00
6	T	Chloroethane	0.373	0.405	-8.6	101	0.00
7	T	Trichlorofluoromethane	1.048	1.105	-5.4	101	0.00
8	T	Diethyl Ether	0.352	0.347	1.4	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.658	-7.2	105	0.00
10	T	Methyl Iodide	0.766	0.783	-2.2	98	0.00
11	T	Tert butyl alcohol	0.123	0.122	0.8	96	0.00
12	CM	1,1-Dichloroethene	0.600	0.611	-1.8#	101	0.00
13	T	Acrolein	0.169	0.197	-16.6	117	0.00
14	T	Allyl chloride	1.139	1.165	-2.3	99	0.00
15	T	Acrylonitrile	0.388	0.390	-0.5	95	0.00
16	T	Acetone	0.375	0.368	1.9	97	0.00
17	T	Carbon Disulfide	1.483	1.535	-3.5	98	0.00
18	T	Methyl Acetate	0.864	0.859	0.6	100	0.00
19	T	Methyl tert-butyl Ether	2.100	2.077	1.1	98	0.00
20	T	Methylene Chloride	0.703	0.693	1.4	97	0.00
21	T	trans-1,2-Dichloroethene	0.613	0.615	-0.3	98	0.00
22	T	Diisopropyl ether	2.243	2.271	-1.2	99	0.00
23	T	Vinyl Acetate	1.938	2.024	-4.4	97	0.00
24	P	1,1-Dichloroethane	1.269	1.249	1.6	98	0.00
25	T	2-Butanone	0.550	0.565	-2.7	96	0.00
26	T	2,2-Dichloropropane	0.820	0.904	-10.2	106	0.00
27	T	cis-1,2-Dichloroethene	0.747	0.736	1.5	97	0.00
28	T	Bromochloromethane	0.613	0.598	2.4	100	0.00
29	T	Tetrahydrofuran	0.356	0.356	0.0	96	0.00
30	C	Chloroform	1.306	1.290	1.2#	98	0.00
31	T	Cyclohexane	1.122	1.136	-1.2	101	0.00
32	T	1,1,1-Trichloroethane	1.105	1.105	0.0	99	0.00
33	S	1,2-Dichloroethane-d4	0.914	0.886	3.1	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.355	0.358	-0.8	100	0.00
36	T	1,1-Dichloropropene	0.479	0.497	-3.8	99	0.00
37	T	Ethyl Acetate	0.604	0.615	-1.8	95	0.00
38	T	Carbon Tetrachloride	0.518	0.561	-8.3	101	0.00
39	T	Methylcyclohexane	0.587	0.655	-11.6	102	0.00
40	TM	Benzene	1.463	1.502	-2.7	98	0.00
41	T	Methacrylonitrile	0.318	0.343	-7.9	95	-0.01
42	TM	1,2-Dichloroethane	0.604	0.634	-5.0	99	0.00
43	T	Isopropyl Acetate	0.915	0.973	-6.3	96	0.00
44	TM	Trichloroethene	0.348	0.350	-0.6	97	0.00
45	C	1,2-Dichloropropane	0.365	0.381	-4.4#	98	0.00
46	T	Dibromomethane	0.280	0.294	-5.0	97	0.00
47	T	Bromodichloromethane	0.560	0.596	-6.4	101	0.00
48	T	Methyl methacrylate	0.472	0.509	-7.8	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045559.D
Acq On : 03 Apr 2025 10:30
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 04 01:17:10 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	95	0.00
50	S	Toluene-d8	1.238	1.248	-0.8	99	0.00
51	T	4-Methyl-2-Pentanone	0.606	0.658	-8.6	96	0.00
52	CM	Toluene	0.885	0.904	-2.1#	96	0.00
53	T	t-1,3-Dichloropropene	0.467	0.519	-11.1	99	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.584	-11.0	99	0.00
55	T	1,1,2-Trichloroethane	0.353	0.367	-4.0	99	0.00
56	T	Ethyl methacrylate	0.546	0.600	-9.9	97	0.00
57	T	1,3-Dichloropropane	0.614	0.632	-2.9	97	0.00
58	T	2-Chloroethyl Vinyl ether	0.276	0.308	-11.6	100	0.00
59	T	2-Hexanone	0.449	0.478	-6.5	94	0.00
60	T	Dibromochloromethane	0.385	0.421	-9.4	99	0.00
61	T	1,2-Dibromoethane	0.357	0.378	-5.9	98	0.00
62	S	4-Bromofluorobenzene	0.451	0.460	-2.0	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.353	0.354	-0.3	98	0.00
65	PM	Chlorobenzene	1.068	1.122	-5.1	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.371	0.384	-3.5	99	0.00
67	C	Ethyl Benzene	1.914	2.033	-6.2#	97	0.00
68	T	m/p-Xylenes	0.696	0.743	-6.8	98	0.00
69	T	o-Xylene	0.686	0.728	-6.1	97	0.00
70	T	Styrene	1.132	1.241	-9.6	98	0.00
71	P	Bromoform	0.277	0.303	-9.4	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	4.005	4.226	-5.5	97	0.00
74	T	N-amyl acetate	1.916	1.991	-3.9	93	0.00
75	P	1,1,2,2-Tetrachloroethane	1.407	1.361	3.3	95	0.00
76	T	1,2,3-Trichloropropane	1.220	1.213	0.6	95	0.00
77	T	Bromobenzene	0.925	0.950	-2.7	98	0.00
78	T	n-propylbenzene	4.613	4.984	-8.0	98	0.00
79	T	2-Chlorotoluene	2.949	3.039	-3.1	99	0.00
80	T	1,3,5-Trimethylbenzene	3.312	3.590	-8.4	98	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.378	-5.3	98	0.00
82	T	4-Chlorotoluene	3.288	3.496	-6.3	98	0.00
83	T	tert-Butylbenzene	3.279	3.501	-6.8	98	0.00
84	T	1,2,4-Trimethylbenzene	3.324	3.594	-8.1	98	0.00
85	T	sec-Butylbenzene	4.027	4.419	-9.7	99	0.00
86	T	p-Isopropyltoluene	3.320	3.646	-9.8	100	0.00
87	T	1,3-Dichlorobenzene	1.684	1.724	-2.4	98	0.00
88	T	1,4-Dichlorobenzene	1.708	1.707	0.1	97	0.00
89	T	n-Butylbenzene	2.879	3.293	-14.4	100	0.00
90	T	Hexachloroethane	0.571	0.634	-11.0	102	0.00
91	T	1,2-Dichlorobenzene	1.675	1.689	-0.8	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.294	0.321	-9.2	98	0.00
93	T	1,2,4-Trichlorobenzene	0.932	0.996	-6.9	101	0.00
94	T	Hexachlorobutadiene	0.402	0.428	-6.5	102	0.00
95	T	Naphthalene	3.469	3.571	-2.9	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045559.D
Acq On : 03 Apr 2025 10:30
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 04 01:17:10 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	1.005	-3.0	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045559.D
Acq On : 03 Apr 2025 10:30
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 04 01:17:10 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	0.00
2	T	Dichlorodifluoromethane	50.000	57.700	-15.4	105	0.00
3	P	Chloromethane	50.000	50.909	-1.8	99	0.00
4	C	Vinyl Chloride	50.000	52.195	-4.4#	102	0.00
5	T	Bromomethane	50.000	48.364	3.3	97	0.00
6	T	Chloroethane	50.000	54.319	-8.6	101	0.00
7	T	Trichlorofluoromethane	50.000	52.725	-5.5	101	0.00
8	T	Diethyl Ether	50.000	49.284	1.4	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.581	-7.2	105	0.00
10	T	Methyl Iodide	50.000	51.106	-2.2	98	0.00
11	T	Tert butyl alcohol	250.000	247.660	0.9	96	0.00
12	CM	1,1-Dichloroethene	50.000	50.876	-1.8#	101	0.00
13	T	Acrolein	250.000	290.369	-16.1	117	0.00
14	T	Allyl chloride	50.000	51.139	-2.3	99	0.00
15	T	Acrylonitrile	250.000	251.370	-0.5	95	0.00
16	T	Acetone	250.000	244.836	2.1	97	0.00
17	T	Carbon Disulfide	50.000	51.779	-3.6	98	0.00
18	T	Methyl Acetate	50.000	49.677	0.6	100	0.00
19	T	Methyl tert-butyl Ether	50.000	49.447	1.1	98	0.00
20	T	Methylene Chloride	50.000	49.292	1.4	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.139	-0.3	98	0.00
22	T	Diisopropyl ether	50.000	50.611	-1.2	99	0.00
23	T	Vinyl Acetate	250.000	261.101	-4.4	97	0.00
24	P	1,1-Dichloroethane	50.000	49.227	1.5	98	0.00
25	T	2-Butanone	250.000	257.055	-2.8	96	0.00
26	T	2,2-Dichloropropane	50.000	55.135	-10.3	106	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.223	1.6	97	0.00
28	T	Bromochloromethane	50.000	48.775	2.5	100	0.00
29	T	Tetrahydrofuran	250.000	250.088	-0.0	96	0.00
30	C	Chloroform	50.000	49.413	1.2#	98	0.00
31	T	Cyclohexane	50.000	50.618	-1.2	101	0.00
32	T	1,1,1-Trichloroethane	50.000	50.002	-0.0	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.452	3.1	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	50.400	-0.8	100	0.00
36	T	1,1-Dichloropropene	50.000	51.889	-3.8	99	0.00
37	T	Ethyl Acetate	50.000	50.922	-1.8	95	0.00
38	T	Carbon Tetrachloride	50.000	54.175	-8.3	101	0.00
39	T	Methylcyclohexane	50.000	55.811	-11.6	102	0.00
40	TM	Benzene	50.000	51.334	-2.7	98	0.00
41	T	Methacrylonitrile	50.000	53.895	-7.8	95	-0.01
42	TM	1,2-Dichloroethane	50.000	52.471	-4.9	99	0.00
43	T	Isopropyl Acetate	50.000	53.203	-6.4	96	0.00
44	TM	Trichloroethene	50.000	50.400	-0.8	97	0.00
45	C	1,2-Dichloropropane	50.000	52.177	-4.4#	98	0.00
46	T	Dibromomethane	50.000	52.432	-4.9	97	0.00
47	T	Bromodichloromethane	50.000	53.281	-6.6	101	0.00
48	T	Methyl methacrylate	50.000	53.916	-7.8	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045559.D
Acq On : 03 Apr 2025 10:30
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 04 01:17:10 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	1069.810	-7.0	95	0.00
50	S	Toluene-d8	50.000	50.412	-0.8	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	271.376	-8.6	96	0.00
52	CM	Toluene	50.000	51.038	-2.1#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	48.265	3.5	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.553	-11.1	99	0.00
55	T	1,1,2-Trichloroethane	50.000	51.988	-4.0	99	0.00
56	T	Ethyl methacrylate	50.000	54.916	-9.8	97	0.00
57	T	1,3-Dichloropropane	50.000	51.465	-2.9	97	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	278.463	-11.4	100	0.00
59	T	2-Hexanone	250.000	266.003	-6.4	94	0.00
60	T	Dibromochloromethane	50.000	54.791	-9.6	99	0.00
61	T	1,2-Dibromoethane	50.000	52.982	-6.0	98	0.00
62	S	4-Bromofluorobenzene	50.000	51.040	-2.1	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	50.202	-0.4	98	0.00
65	PM	Chlorobenzene	50.000	52.511	-5.0	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.757	-3.5	99	0.00
67	C	Ethyl Benzene	50.000	53.122	-6.2#	97	0.00
68	T	m/p-Xylenes	100.000	106.687	-6.7	98	0.00
69	T	o-Xylene	50.000	53.092	-6.2	97	0.00
70	T	Styrene	50.000	54.847	-9.7	98	0.00
71	P	Bromoform	50.000	54.761	-9.5	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	52.752	-5.5	97	0.00
74	T	N-amyl acetate	50.000	51.953	-3.9	93	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.351	3.3	95	0.00
76	T	1,2,3-Trichloropropane	50.000	49.735	0.5	95	0.00
77	T	Bromobenzene	50.000	51.347	-2.7	98	0.00
78	T	n-propylbenzene	50.000	54.023	-8.0	98	0.00
79	T	2-Chlorotoluene	50.000	51.521	-3.0	99	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.195	-8.4	98	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.613	-5.2	98	0.00
82	T	4-Chlorotoluene	50.000	53.158	-6.3	98	0.00
83	T	tert-Butylbenzene	50.000	53.394	-6.8	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.063	-8.1	98	0.00
85	T	sec-Butylbenzene	50.000	54.862	-9.7	99	0.00
86	T	p-Isopropyltoluene	50.000	54.914	-9.8	100	0.00
87	T	1,3-Dichlorobenzene	50.000	51.187	-2.4	98	0.00
88	T	1,4-Dichlorobenzene	50.000	49.973	0.1	97	0.00
89	T	n-Butylbenzene	50.000	57.188	-14.4	100	0.00
90	T	Hexachloroethane	50.000	55.591	-11.2	102	0.00
91	T	1,2-Dichlorobenzene	50.000	50.437	-0.9	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.613	-9.2	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.424	-6.8	101	0.00
94	T	Hexachlorobutadiene	50.000	53.224	-6.4	102	0.00
95	T	Naphthalene	50.000	51.463	-2.9	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045559.D
Acq On : 03 Apr 2025 10:30
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 04 01:17:10 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	51.481	-3.0	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 CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1711 SAS No.: Q1711 SDG No.: Q1711

Instrument ID: MSVOA_X Calibration Date/Time: 04/04/2025 10:00

Lab File ID: VX045586.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
Vinyl Chloride	0.703	0.731		3.98	20
1,1-Dichloroethene	0.600	0.599		-0.17	20
1,1-Dichloroethane	1.269	1.270	0.1	0.08	20
cis-1,2-Dichloroethene	0.747	0.729		-2.41	20
1,1,1-Trichloroethane	1.105	1.107		0.18	20
Benzene	1.463	1.507		3.01	20
1,2-Dichloroethane	0.604	0.645		6.79	20
Trichloroethene	0.348	0.357		2.59	20
1,1,2-Trichloroethane	0.353	0.370		4.82	20
Tetrachloroethene	0.353	0.376		6.52	20
1,2-Dichloroethane-d4	0.914	0.776		-15.1	20
Dibromofluoromethane	0.355	0.311		-12.39	20
Toluene-d8	1.238	1.079		-12.84	20
4-Bromofluorobenzene	0.451	0.411		-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\VX040425\
Data File : VX045586.D
Acq On : 04 Apr 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 23:10:00 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 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	96707	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	163287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	142048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	75034	42.428	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 84.860%			
35) Dibromofluoromethane	5.379	113	50835	43.879	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.760%			
50) Toluene-d8	8.641	98	176247	43.586	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 87.180%			
62) 4-Bromofluorobenzene	11.079	95	67111	45.563	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	81543	56.382	ug/l	98
3) Chloromethane	1.307	50	77087	51.883	ug/l	98
4) Vinyl Chloride	1.374	62	70654	51.962	ug/l	99
5) Bromomethane	1.593	94	31732	49.218	ug/l	99
6) Chloroethane	1.666	64	37965	52.626	ug/l	96
7) Trichlorofluoromethane	1.874	101	106831	52.688	ug/l	98
8) Diethyl Ether	2.130	74	33835	49.704	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	63673	53.591	ug/l	97
10) Methyl Iodide	2.441	142	74481	50.258	ug/l	99
11) Tert butyl alcohol	2.977	59	56849	239.188	ug/l	99
12) 1,1-Dichloroethene	2.306	96	57913	49.883	ug/l	97
13) Acrolein	2.233	56	96410	294.566	ug/l	100
14) Allyl chloride	2.654	41	113707	51.619	ug/l	98
15) Acrylonitrile	3.062	53	186427	248.485	ug/l	99
16) Acetone	2.380	43	178014	245.130	ug/l	97
17) Carbon Disulfide	2.502	76	145106	50.605	ug/l	100
18) Methyl Acetate	2.703	43	82725	49.477	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	203434	50.091	ug/l	97
20) Methylene Chloride	2.782	84	67127	49.375	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	58900	49.659	ug/l	96
22) Diisopropyl ether	3.757	45	220705	50.863	ug/l	97
23) Vinyl Acetate	3.715	43	975461	260.190	ug/l	100
24) 1,1-Dichloroethane	3.599	63	122843	50.059	ug/l	99
25) 2-Butanone	4.550	43	265772	250.017	ug/l	98
26) 2,2-Dichloropropane	4.465	77	91259	57.558	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	70467	48.765	ug/l	98
28) Bromochloromethane	4.885	49	58888	49.658	ug/l	99
29) Tetrahydrofuran	5.001	42	168431	244.391	ug/l	100
30) Chloroform	5.080	83	127207	50.378	ug/l	96
31) Cyclohexane	5.458	56	109881	50.650	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	107072	50.113	ug/l	99
36) 1,1-Dichloropropene	5.684	75	81866	52.336	ug/l	100
37) Ethyl Acetate	4.708	43	101136	51.305	ug/l	99
38) Carbon Tetrachloride	5.666	117	93252	55.161	ug/l	99
39) Methylcyclohexane	7.373	83	107689	56.163	ug/l	100
40) Benzene	6.025	78	246115	51.517	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045586.D
Acq On : 04 Apr 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 23:10:00 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 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	58687	56.425	ug/l		97
42) 1,2-Dichloroethane	6.074	62	105249	53.340	ug/l		100
43) Isopropyl Acetate	6.330	43	157563	52.737	ug/l		99
44) Trichloroethene	7.117	130	58260	51.308	ug/l		94
45) 1,2-Dichloropropane	7.421	63	62596	52.514	ug/l		98
46) Dibromomethane	7.574	93	47591	52.011	ug/l		98
47) Bromodichloromethane	7.818	83	97528	53.371	ug/l		100
48) Methyl methacrylate	7.690	41	83087	53.861	ug/l		99
49) 1,4-Dioxane	7.659	88	27137	972.308	ug/l		96
51) 4-Methyl-2-Pentanone	8.568	43	531642	268.424	ug/l		99
52) Toluene	8.714	92	151389	52.369	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	86126	49.056	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	96025	55.919	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	60484	52.506	ug/l		96
56) Ethyl methacrylate	9.116	69	95283	53.447	ug/l		99
57) 1,3-Dichloropropane	9.305	76	105500	52.594	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	231389	256.573	ug/l		100
59) 2-Hexanone	9.427	43	391210	266.730	ug/l		99
60) Dibromochloromethane	9.519	129	69085	55.012	ug/l		97
61) 1,2-Dibromoethane	9.604	107	62072	53.230	ug/l		99
64) Tetrachloroethene	9.269	164	53413	53.258	ug/l		97
65) Chlorobenzene	10.073	112	160997	53.041	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	55317	52.492	ug/l		99
67) Ethyl Benzene	10.189	91	297368	54.700	ug/l		100
68) m/p-Xylenes	10.299	106	216775	109.636	ug/l		98
69) o-Xylene	10.640	106	105932	54.386	ug/l		99
70) Styrene	10.653	104	179659	55.886	ug/l		99
71) Bromoform	10.799	173	43659	55.486	ug/l	#	98
73) Isopropylbenzene	10.957	105	288495	53.453	ug/l		100
74) N-amyl acetate	10.842	43	134287	52.015	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	91045	48.021	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	81348m	49.496	ug/l		
77) Bromobenzene	11.195	156	63908	51.248	ug/l		100
78) n-propylbenzene	11.299	91	337878	54.351	ug/l		100
79) 2-Chlorotoluene	11.360	91	203932	51.314	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	239716	53.712	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	25247	52.135	ug/l		99
82) 4-Chlorotoluene	11.451	91	235414	53.128	ug/l		100
83) tert-Butylbenzene	11.713	119	234285	53.024	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	241455	53.903	ug/l		99
85) sec-Butylbenzene	11.890	105	298315	54.969	ug/l		100
86) p-Isopropyltoluene	12.006	119	246346	55.060	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	116982	51.535	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	116831	50.768	ug/l		99
89) n-Butylbenzene	12.329	91	223310	57.557	ug/l		99
90) Hexachloroethane	12.536	117	42554	55.342	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	115345	51.109	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21298	53.714	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	68119	54.225	ug/l		99
94) Hexachlorobutadiene	13.725	225	29467	54.435	ug/l		97
95) Naphthalene	13.774	128	241025	51.558	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	68237	51.875	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045586.D
Acq On : 04 Apr 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 04 23:10:00 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 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

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

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

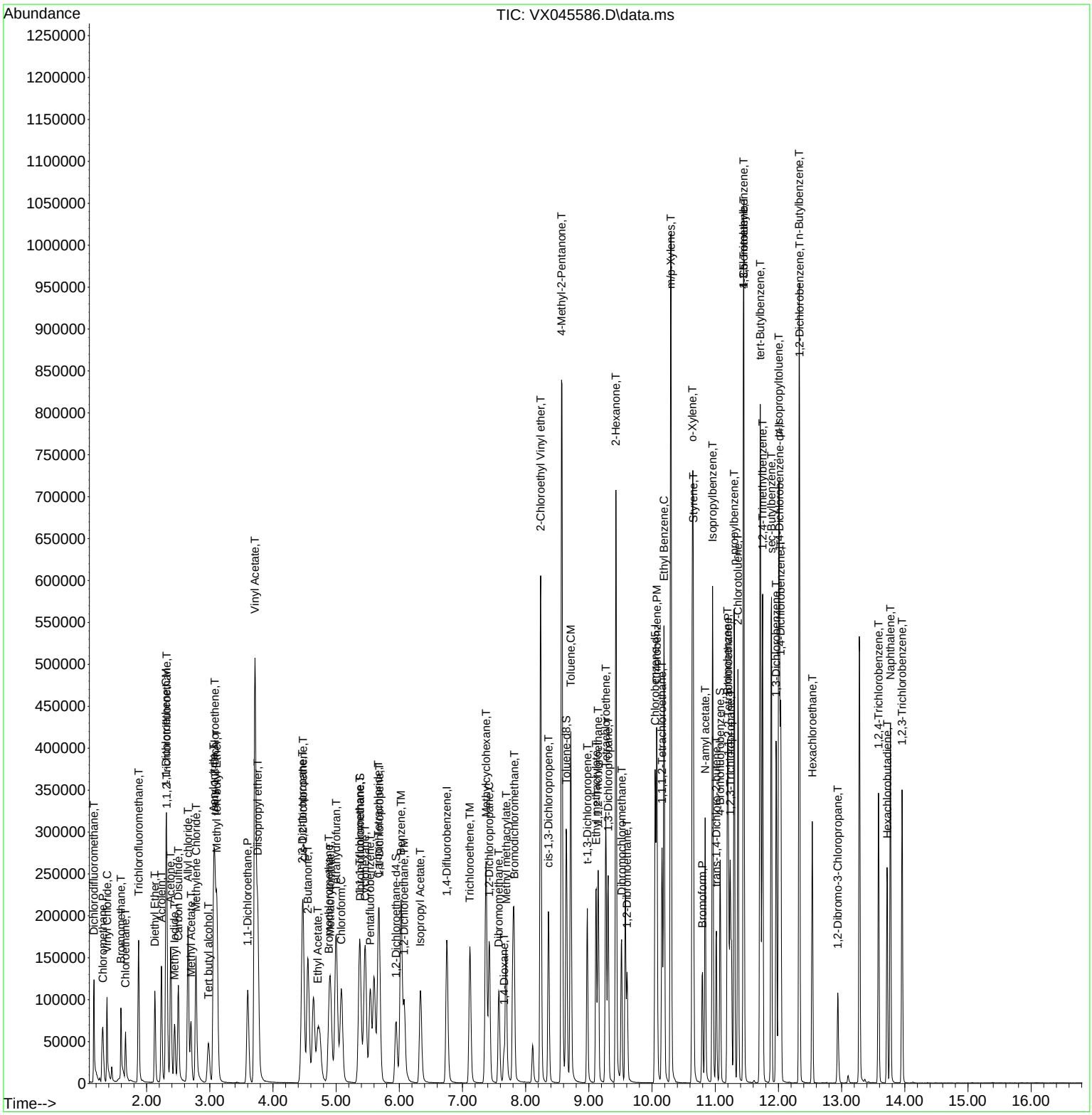
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045586.D
Acq On : 04 Apr 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

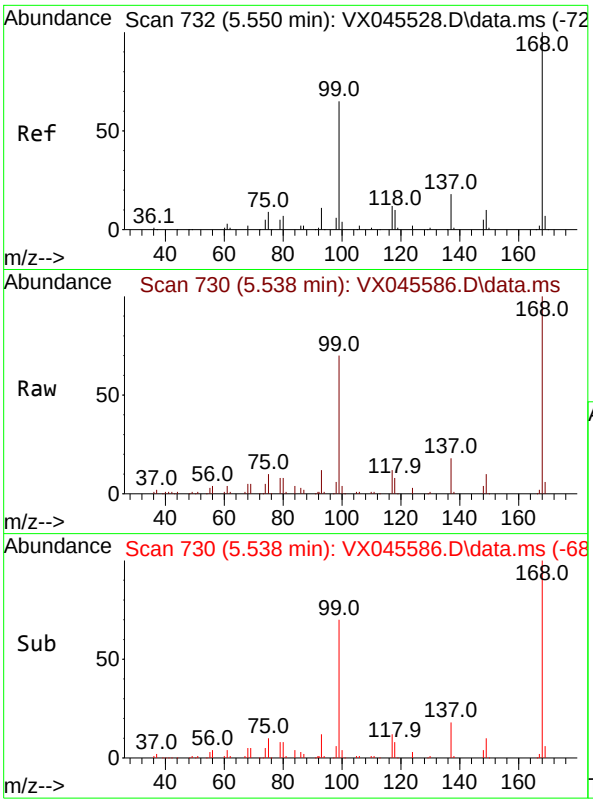
Quant Time: Apr 04 23:10:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

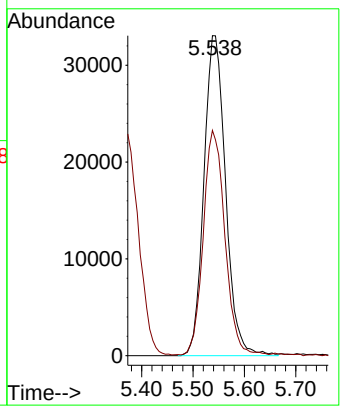




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:168 Resp: 9670

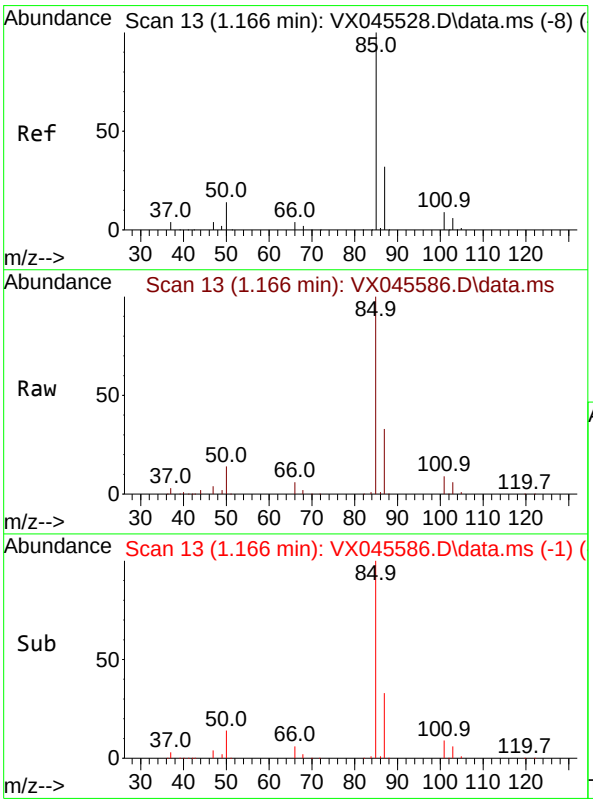
Ion	Ratio	Lower	Upper
168	100		
99	70.0	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

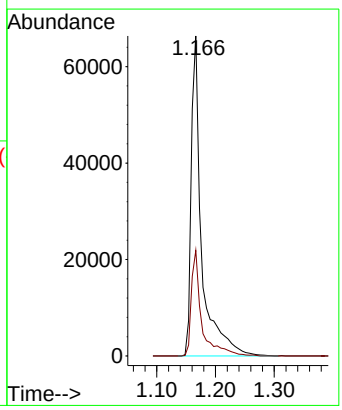
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

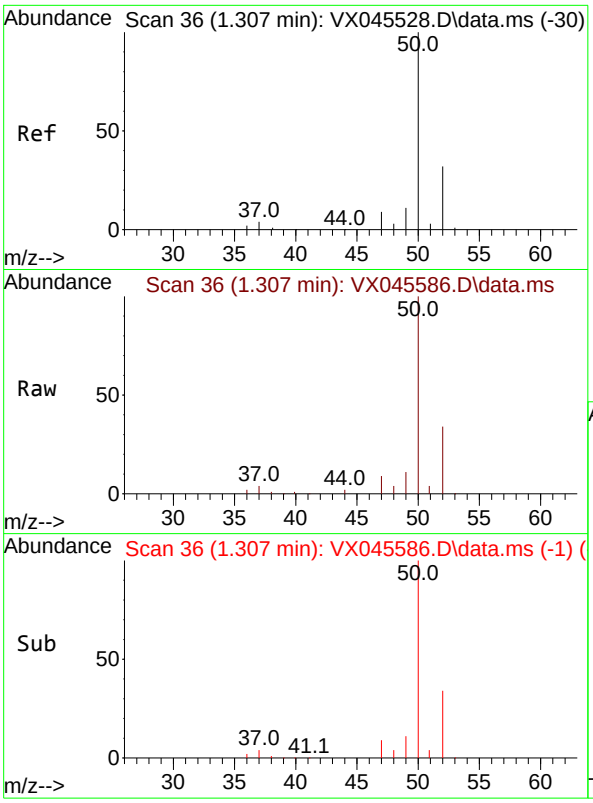


#2
Dichlorodifluoromethane
Concen: 56.382 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 85 Resp: 81543

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.1	48.2

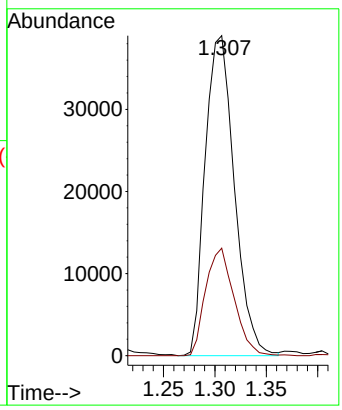




#3
Chloromethane
Concen: 51.883 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 50 Resp: 7708

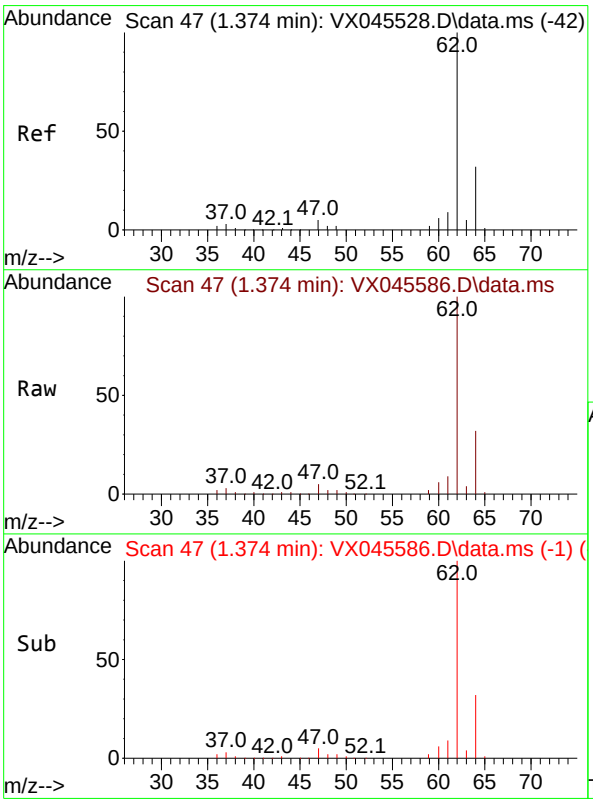
Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

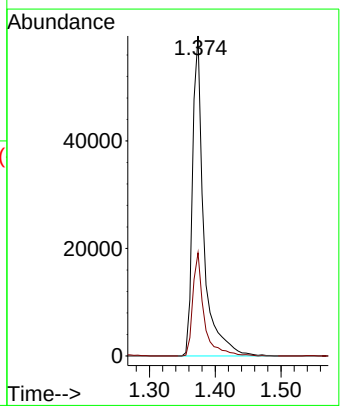
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

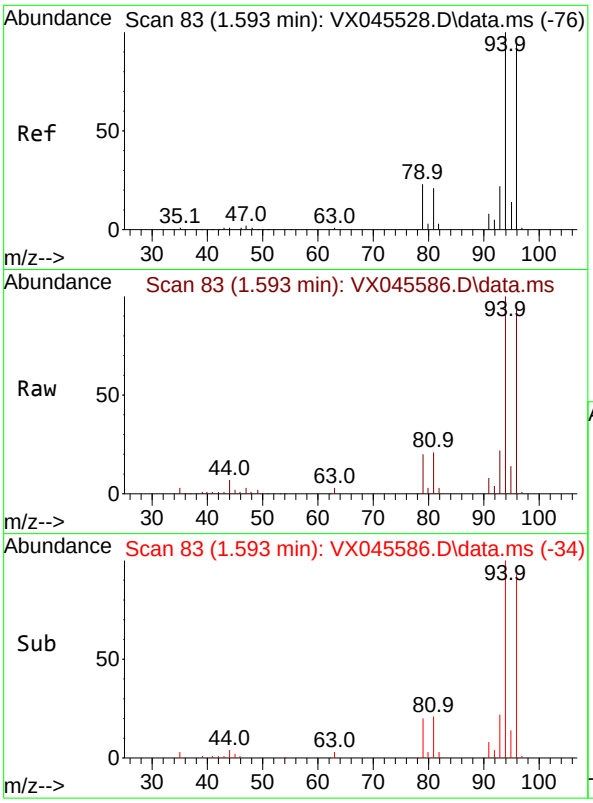


#4
Vinyl Chloride
Concen: 51.962 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 62 Resp: 70654

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.5	38.3

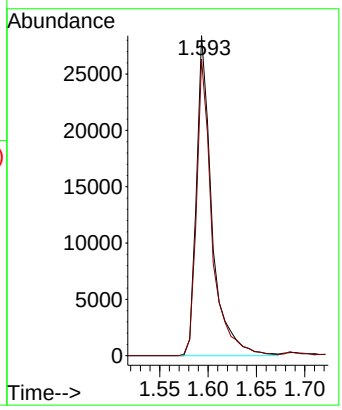




#5
Bromomethane
Concen: 49.218 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 94 Resp: 3173

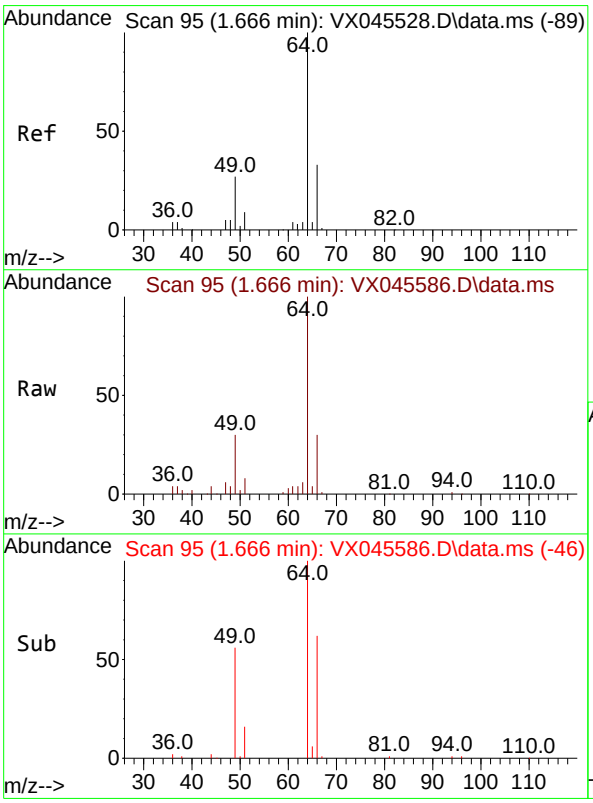
Ion	Ratio	Lower	Upper
94	100		
96	92.6	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

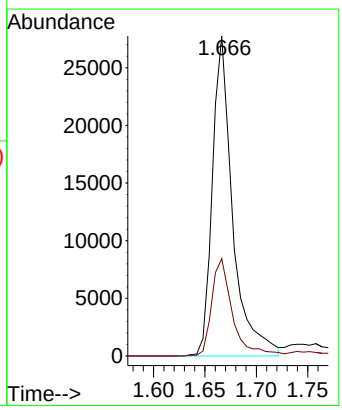
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

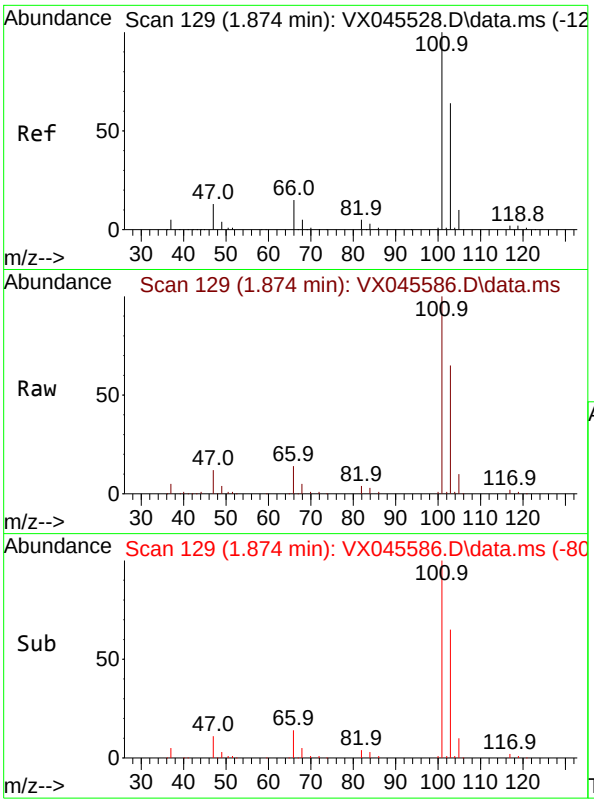


#6
Chloroethane
Concen: 52.626 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 64 Resp: 37965

Ion	Ratio	Lower	Upper
64	100		
66	30.4	26.3	39.5

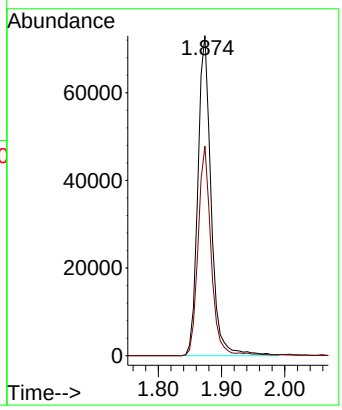




#7
Trichlorofluoromethane
Concen: 52.688 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:101 Resp: 10683

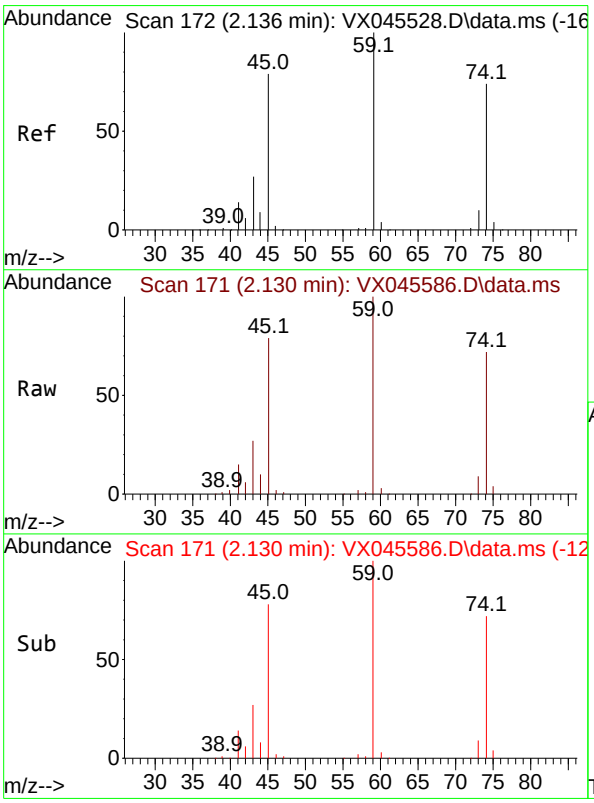
Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

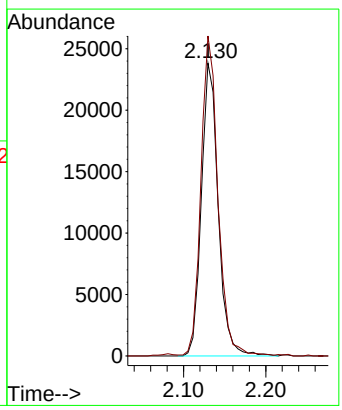
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

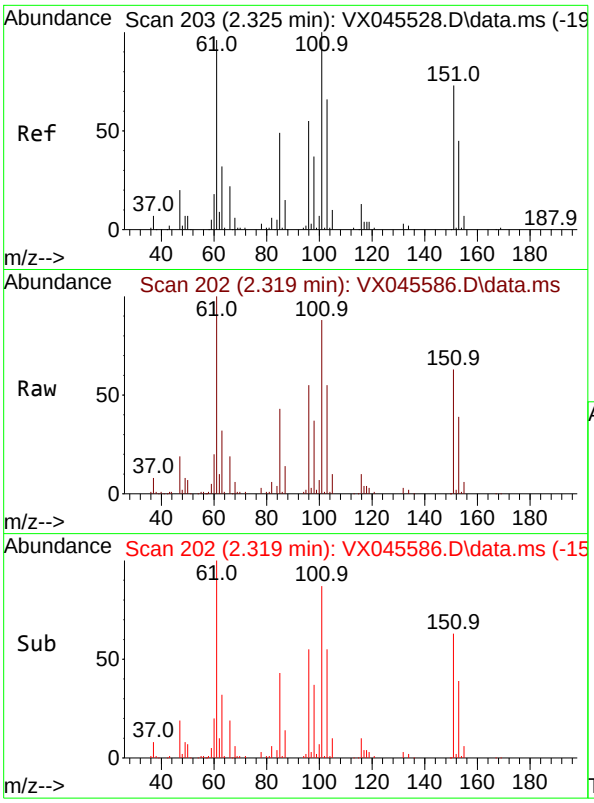


#8
Diethyl Ether
Concen: 49.704 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 74 Resp: 33835

Ion	Ratio	Lower	Upper
74	100		
45	109.8	53.0	159.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.591 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

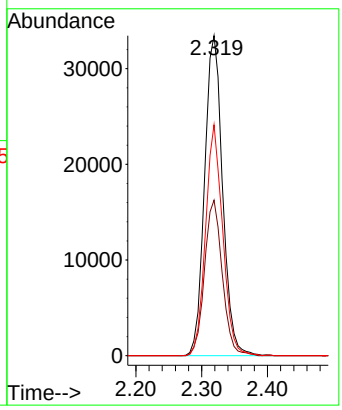
Tgt Ion:101 Resp: 6367

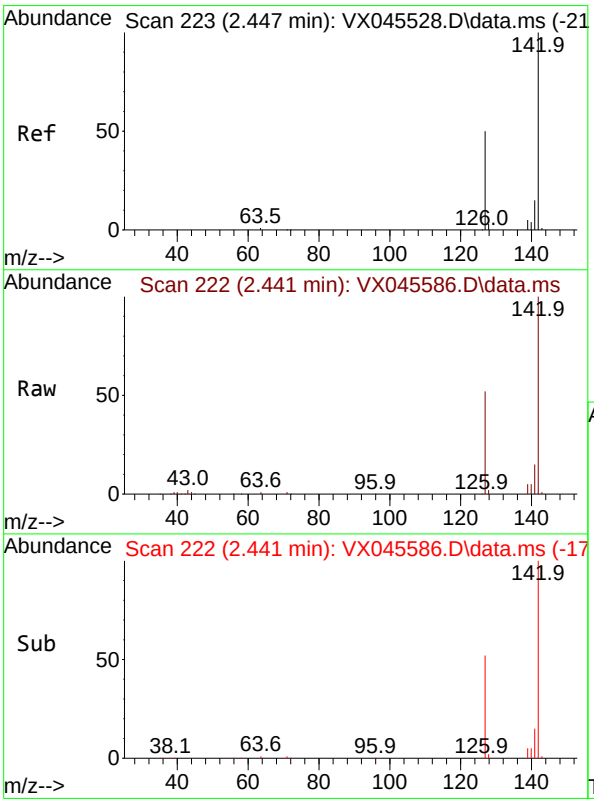
Ion	Ratio	Lower	Upper
101	100		
85	48.0	38.9	58.3
151	68.8	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

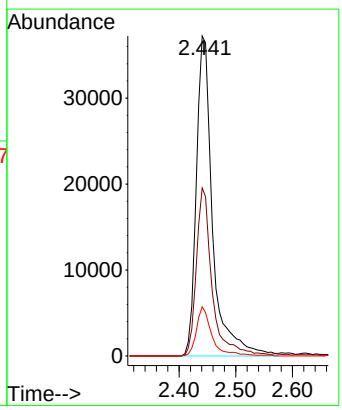


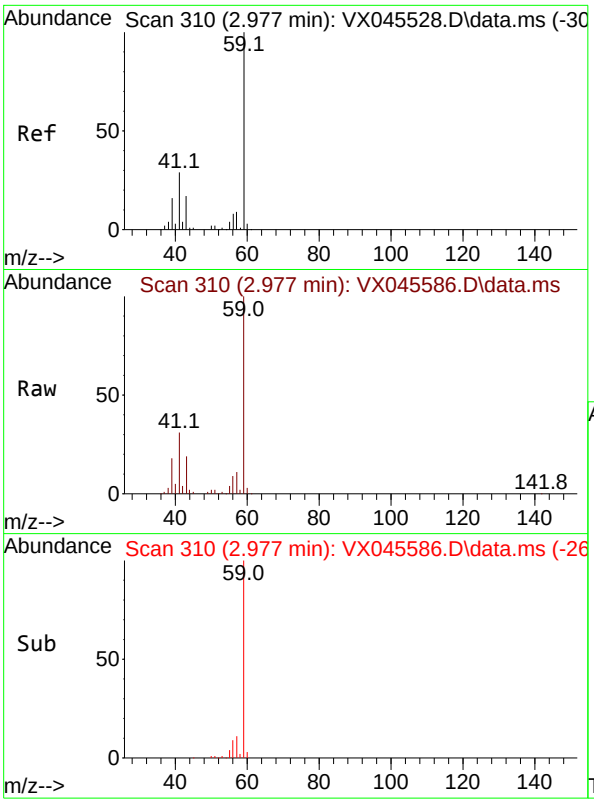


#10
Methyl Iodide
Concen: 50.258 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:142 Resp: 74481

Ion	Ratio	Lower	Upper
142	100		
127	50.8	40.2	60.4
141	14.7	11.7	17.5





#11
Tert butyl alcohol
Concen: 239.188 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

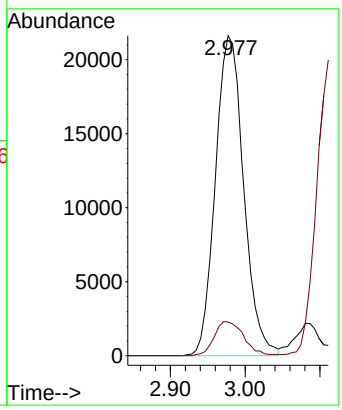
Tgt Ion: 59 Resp: 5684

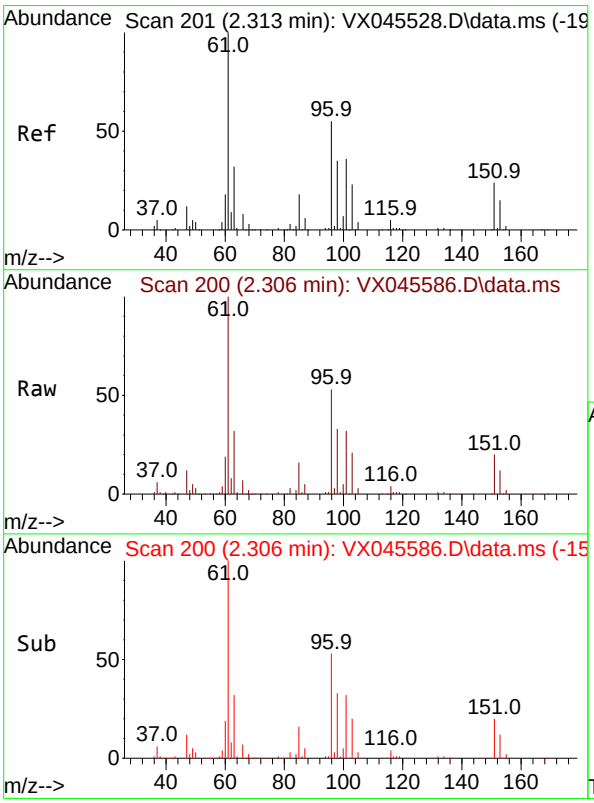
Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

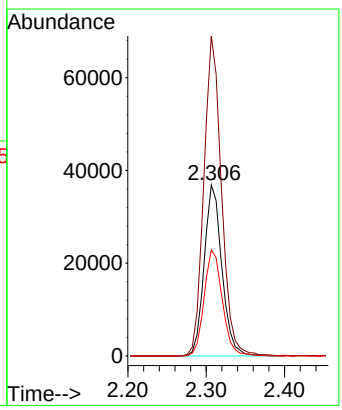


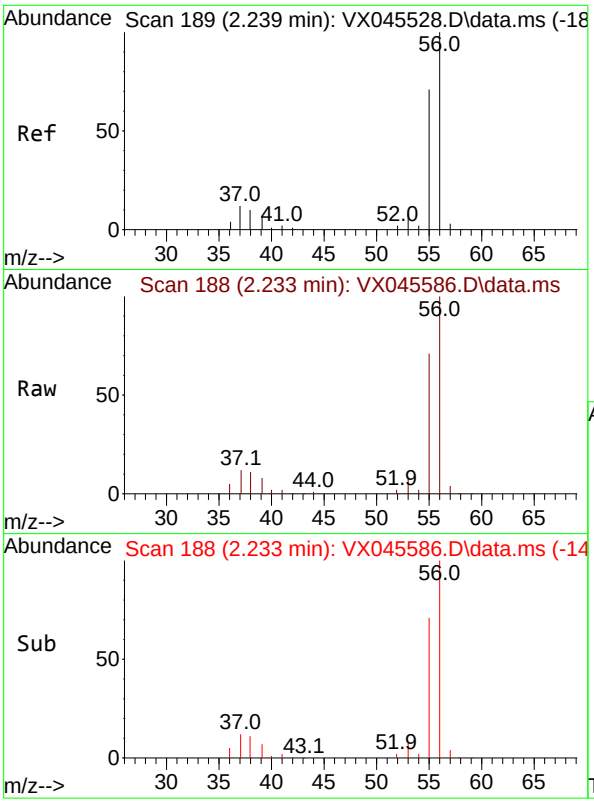


#12
1,1-Dichloroethene
Concen: 49.883 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 96 Resp: 57913

Ion	Ratio	Lower	Upper
96	100		
61	187.1	145.7	218.5
98	62.1	51.6	77.4

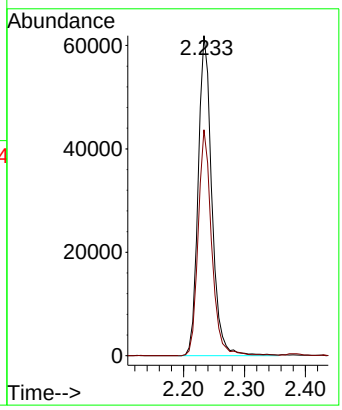




#13
Acrolein
Concen: 294.566 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 56 Resp: 9641

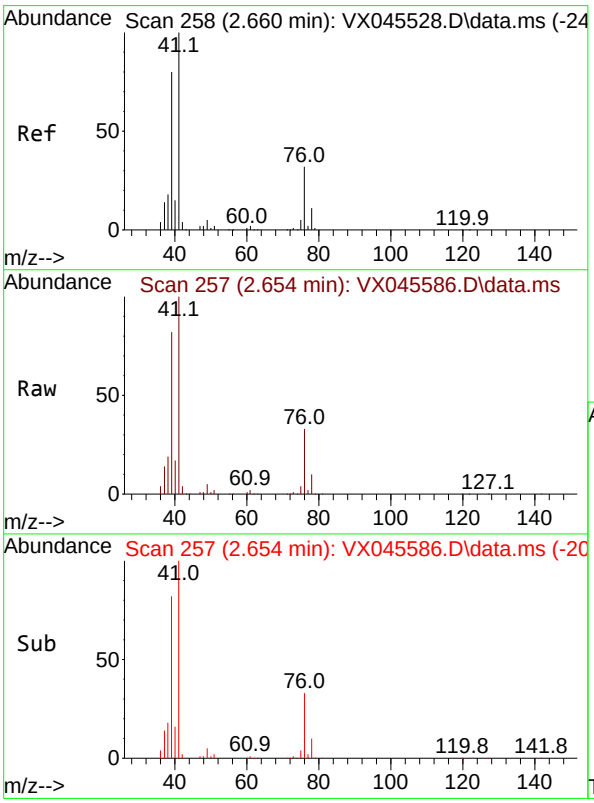
Ion	Ratio	Lower	Upper
56	100		
55	70.0	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

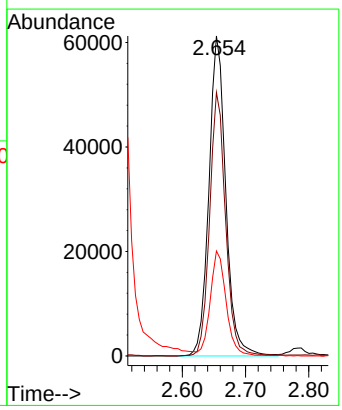
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

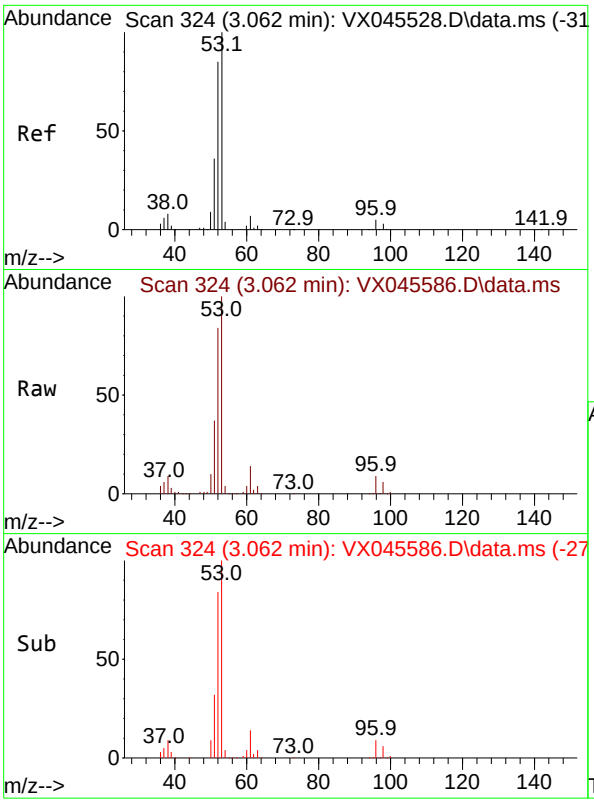


#14
Allyl chloride
Concen: 51.619 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 41 Resp: 113707

Ion	Ratio	Lower	Upper
41	100		
39	77.6	60.2	90.2
76	31.1	24.6	36.8

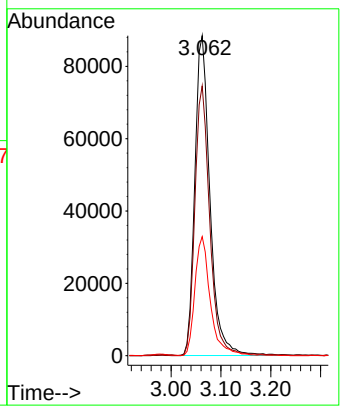




#15
Acrylonitrile
Concen: 248.485 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 53 Resp: 18642

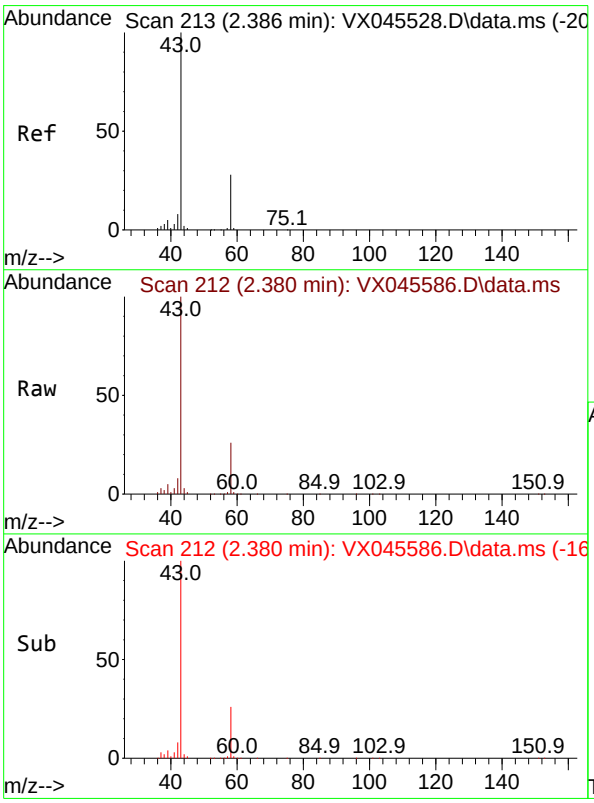
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.4	101.2
51	37.6	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

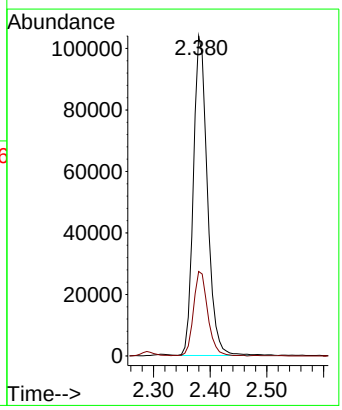
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

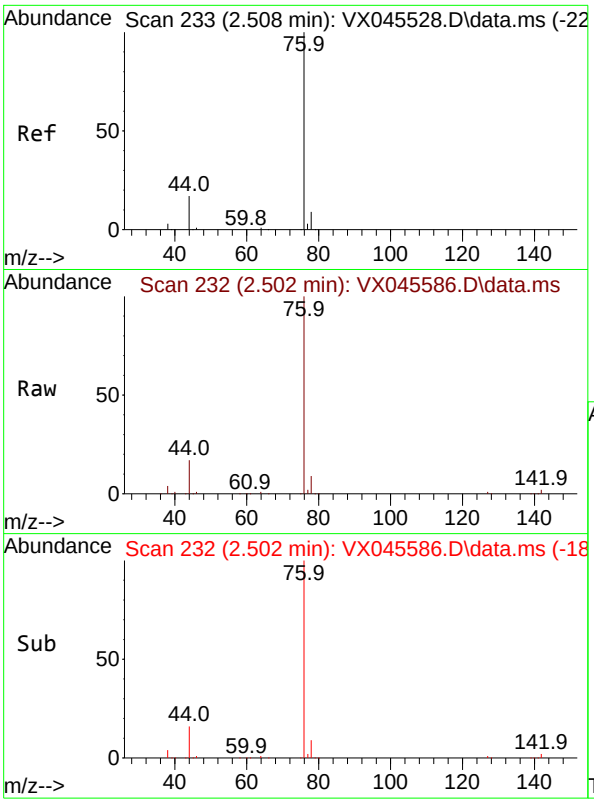


#16
Acetone
Concen: 245.130 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 43 Resp: 178014

Ion	Ratio	Lower	Upper
43	100		
58	26.3	22.3	33.5

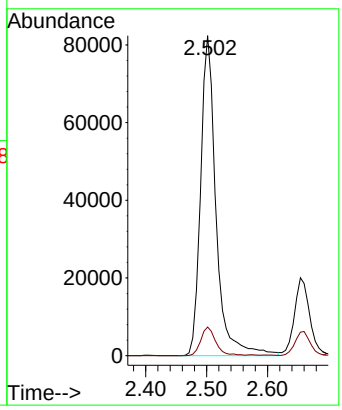




#17
Carbon Disulfide
Concen: 50.605 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 76 Resp: 14510

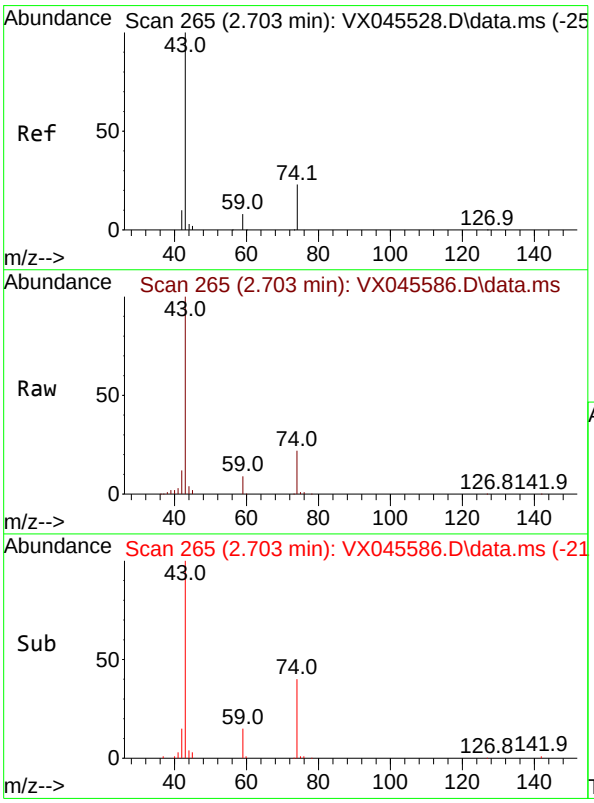
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

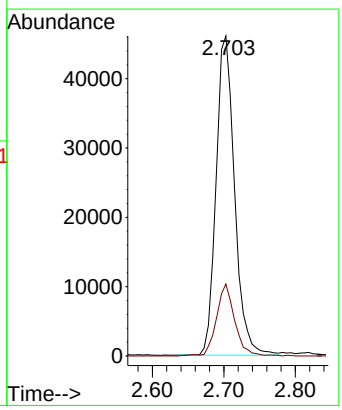
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

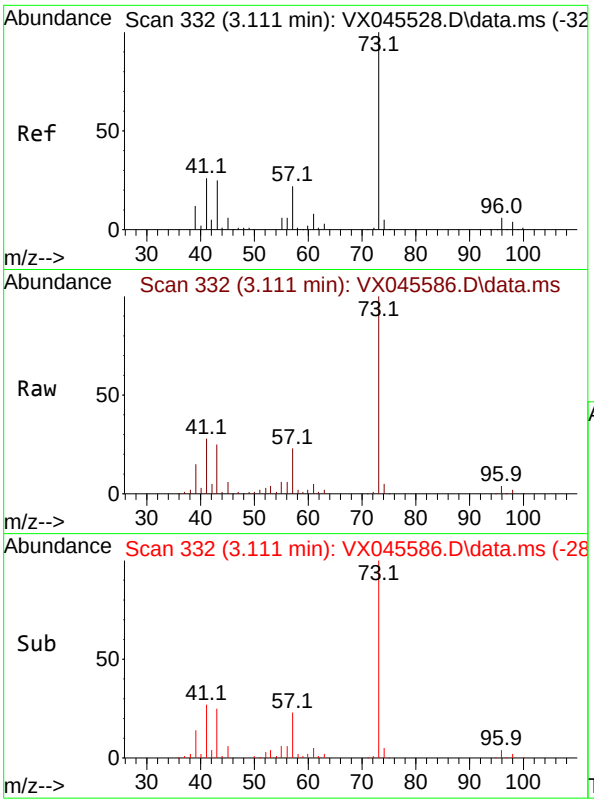


#18
Methyl Acetate
Concen: 49.477 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 43 Resp: 82725

Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.5	26.3

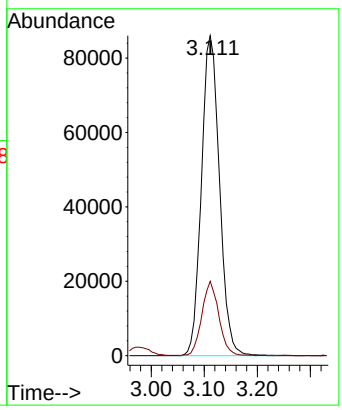




#19
Methyl tert-butyl Ether
Concen: 50.091 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 73 Resp: 20343

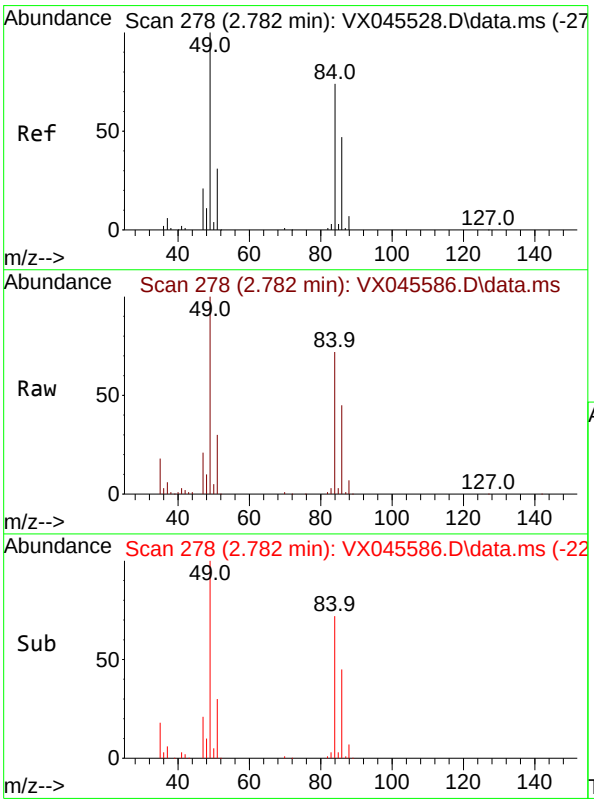
Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

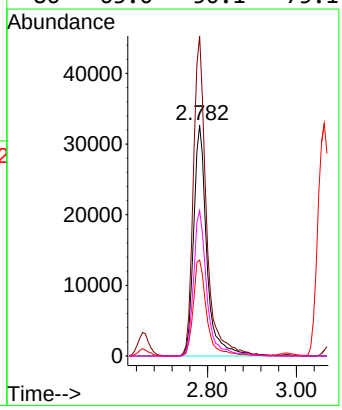
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

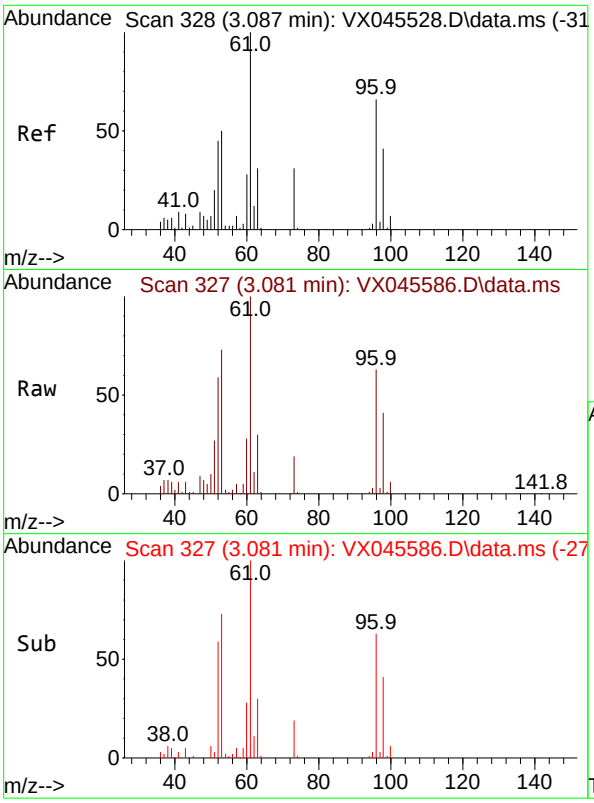


#20
Methylene Chloride
Concen: 49.375 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 84 Resp: 67127

Ion	Ratio	Lower	Upper
84	100		
49	138.8	107.5	161.3
51	41.6	33.0	49.6
86	63.0	50.1	75.1

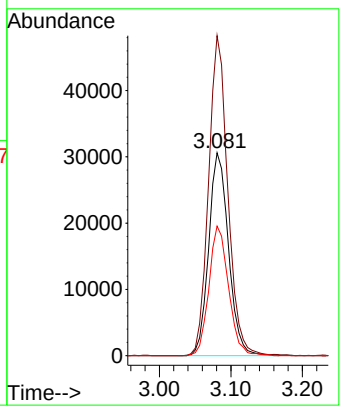




#21
trans-1,2-Dichloroethene
Concen: 49.659 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 96 Resp: 5890

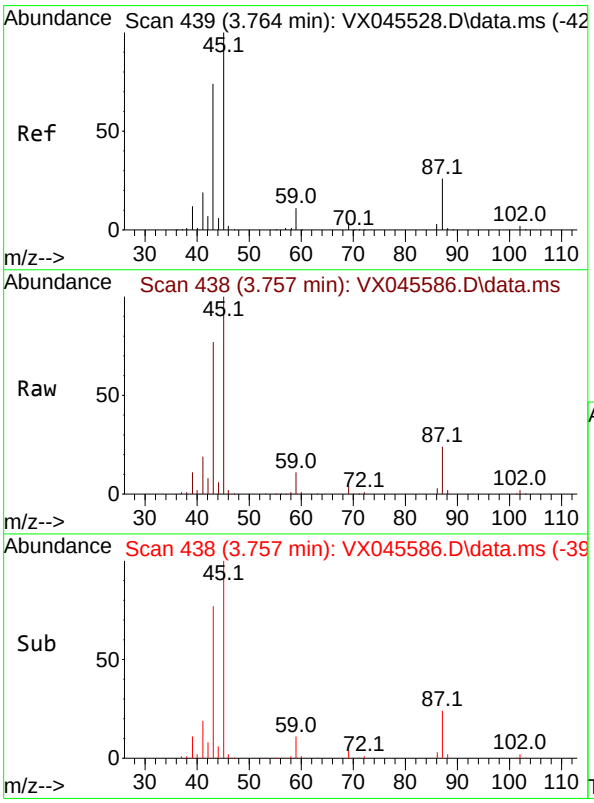
Ion	Ratio	Lower	Upper
96	100		
61	157.7	121.0	181.6
98	63.9	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

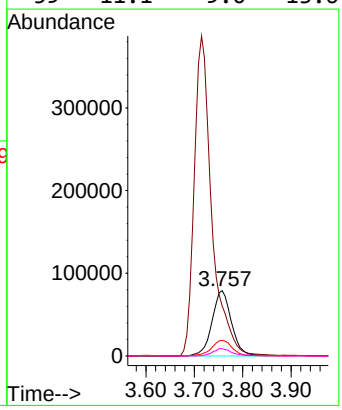
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

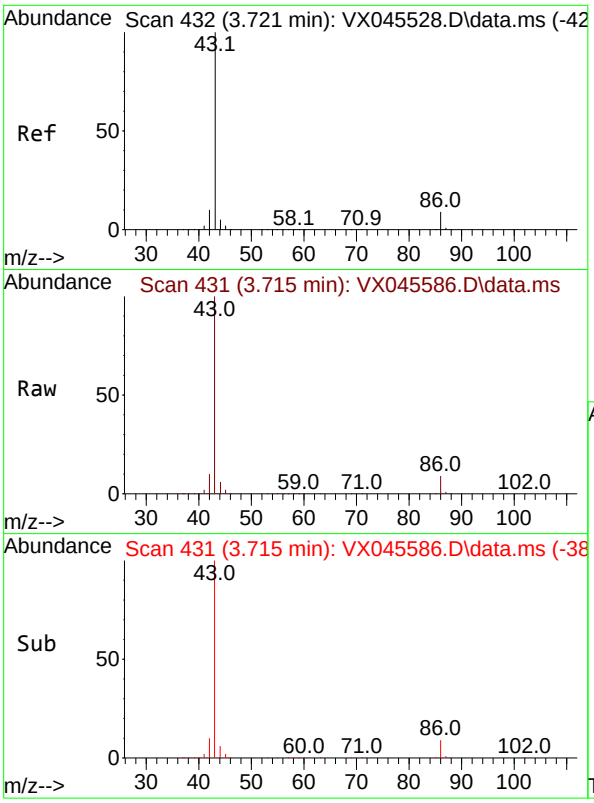


#22
Diisopropyl ether
Concen: 50.863 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 45 Resp: 220705

Ion	Ratio	Lower	Upper
45	100		
43	76.4	59.3	88.9
87	24.0	20.4	30.6
59	11.1	9.0	13.6





#23
Vinyl Acetate
Concen: 260.190 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

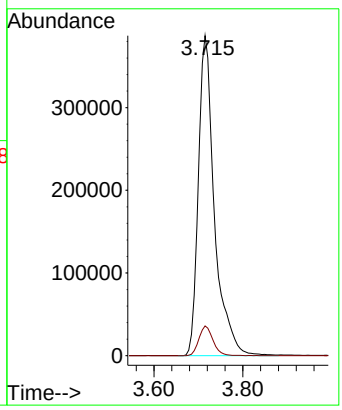
Tgt Ion: 43 Resp: 97546

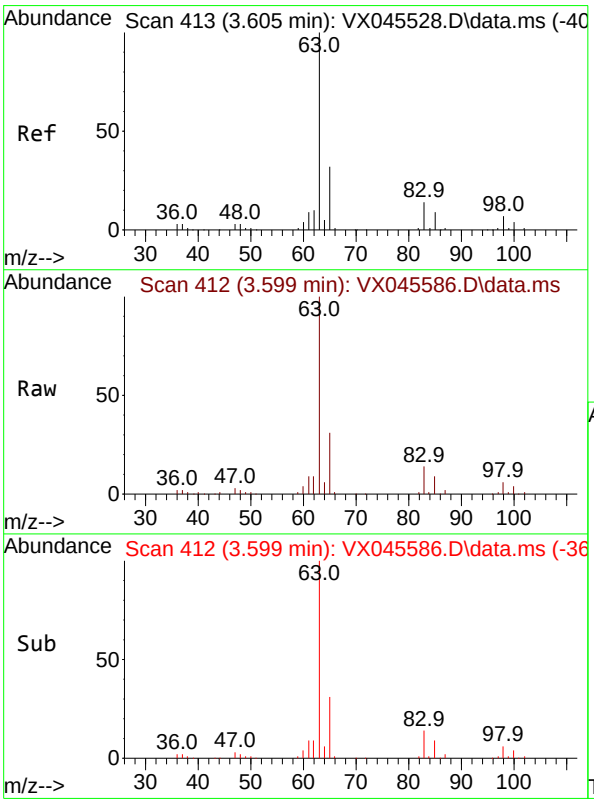
Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

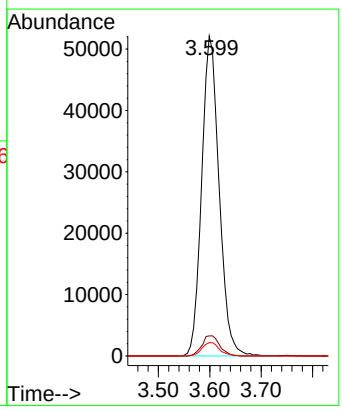


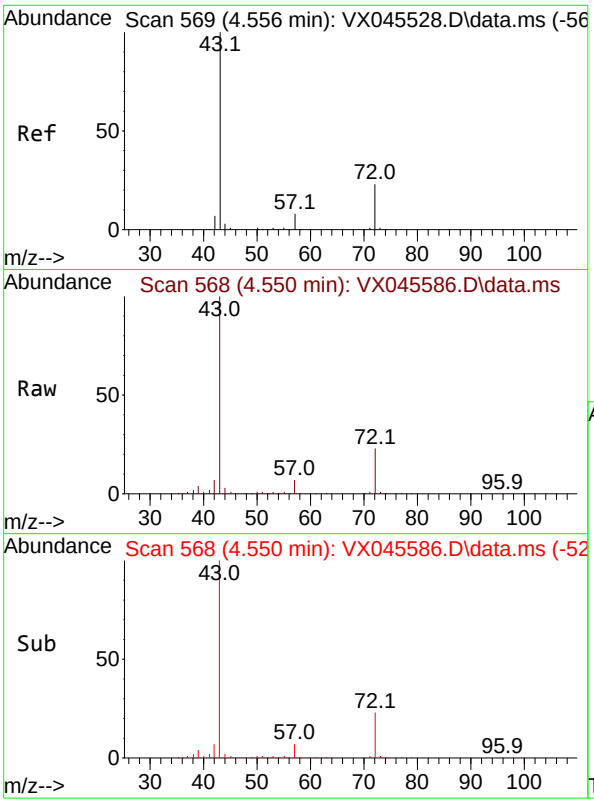


#24
1,1-Dichloroethane
Concen: 50.059 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 63 Resp: 122843

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.4	10.1
100	4.1	2.2	6.6

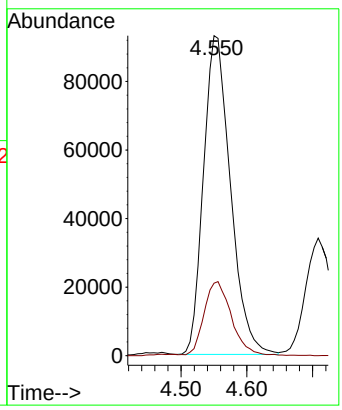




#25
2-Butanone
Concen: 250.017 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 43 Resp: 26577

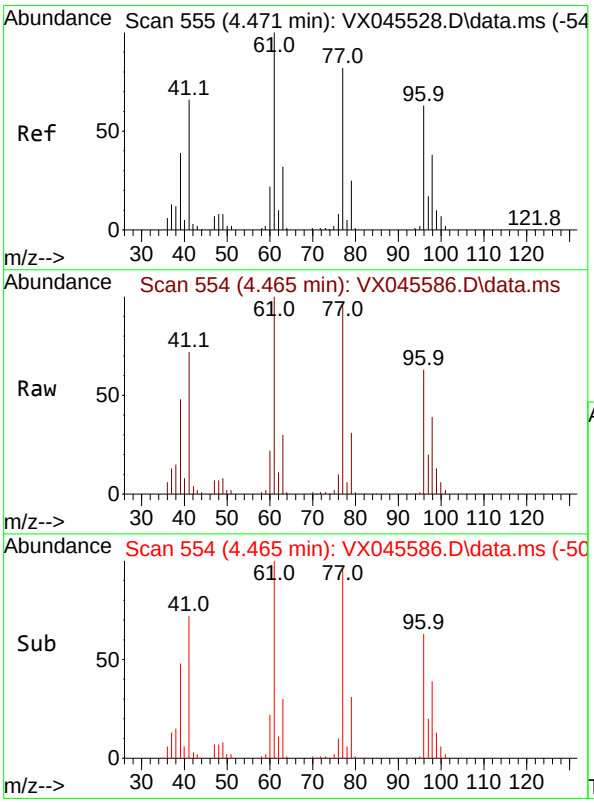
Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

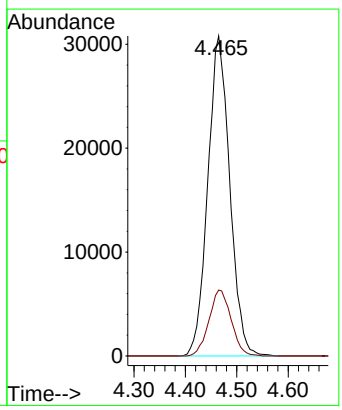
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

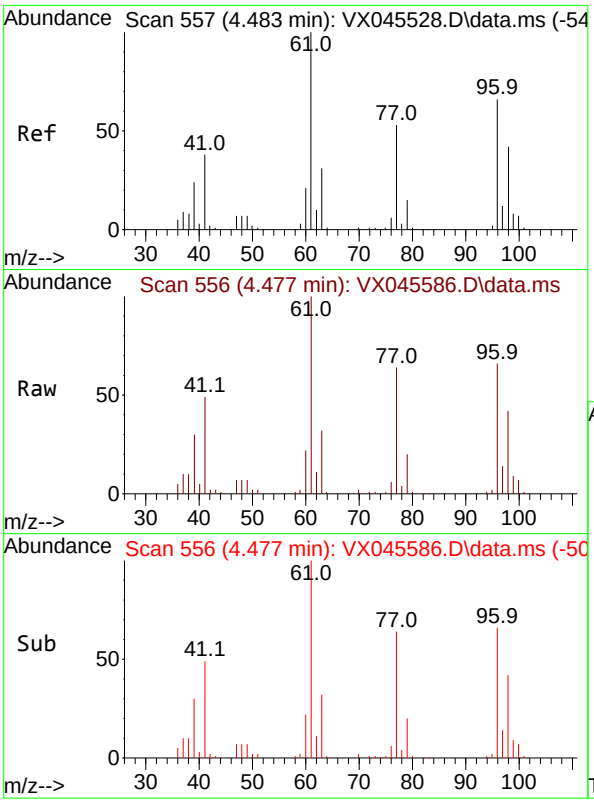


#26
2,2-Dichloropropane
Concen: 57.558 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 77 Resp: 91259

Ion	Ratio	Lower	Upper
77	100		
97	20.8	10.6	31.8





#27
cis-1,2-Dichloroethene
Concen: 48.765 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

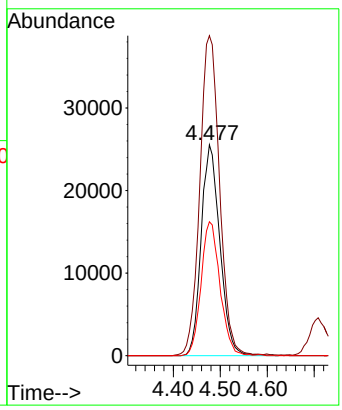
Tgt Ion: 96 Resp: 7046

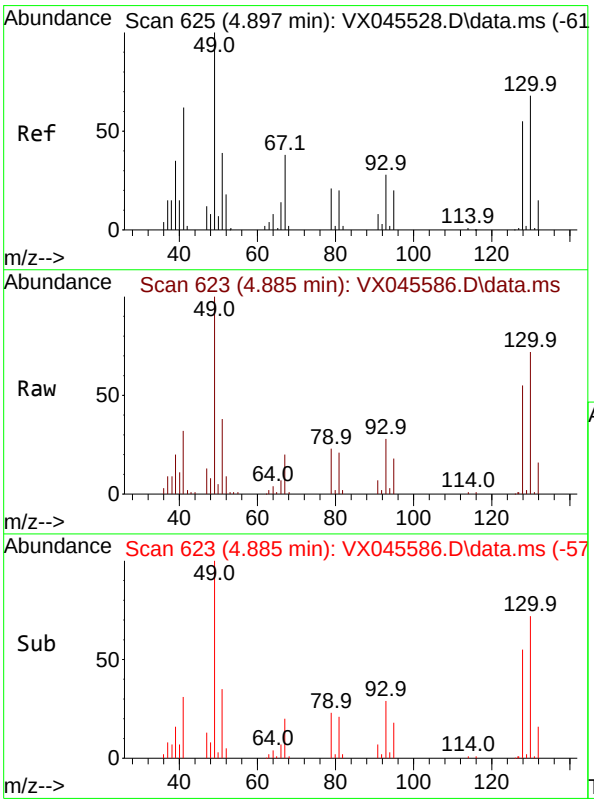
Ion	Ratio	Lower	Upper
96	100		
61	160.3	0.0	313.2
98	64.3	0.0	126.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

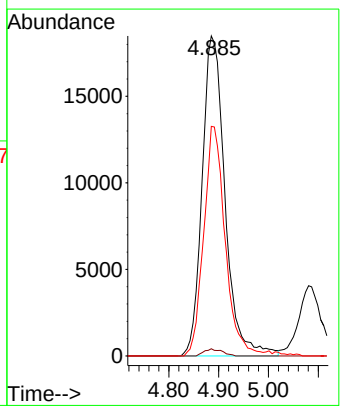


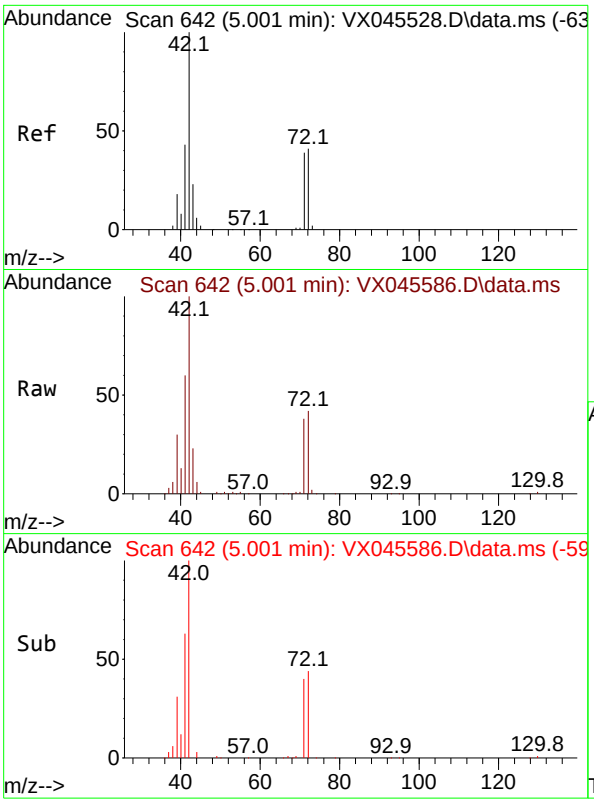


#28
Bromochloromethane
Concen: 49.658 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 49 Resp: 58888

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	67.2	54.6	81.8





#29
Tetrahydrofuran
Concen: 244.391 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

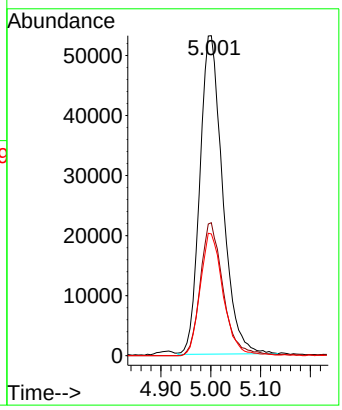
Tgt Ion: 42 Resp: 16843

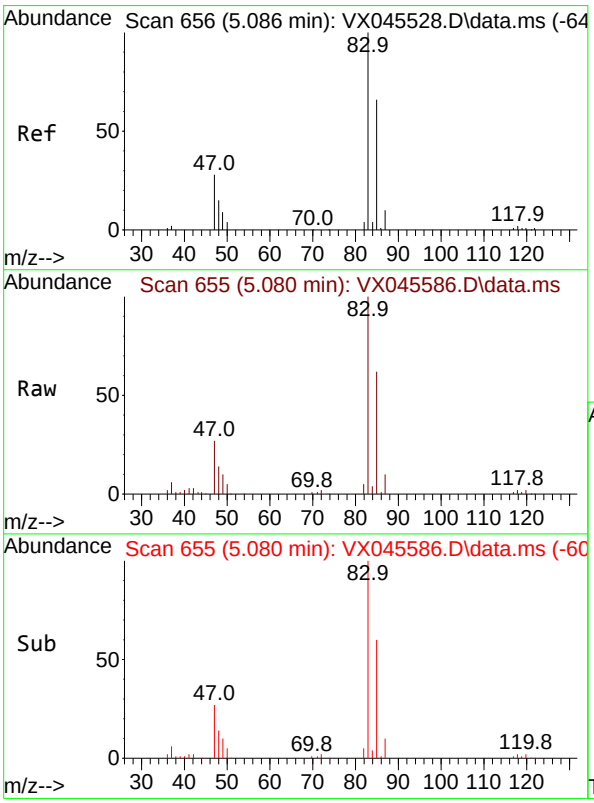
Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.4	50.0
71	38.8	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

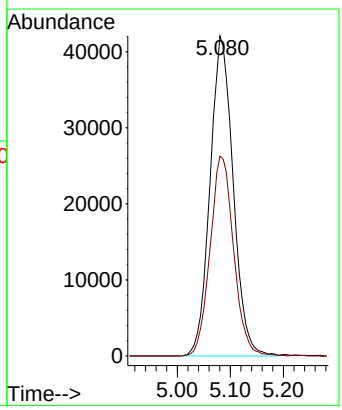


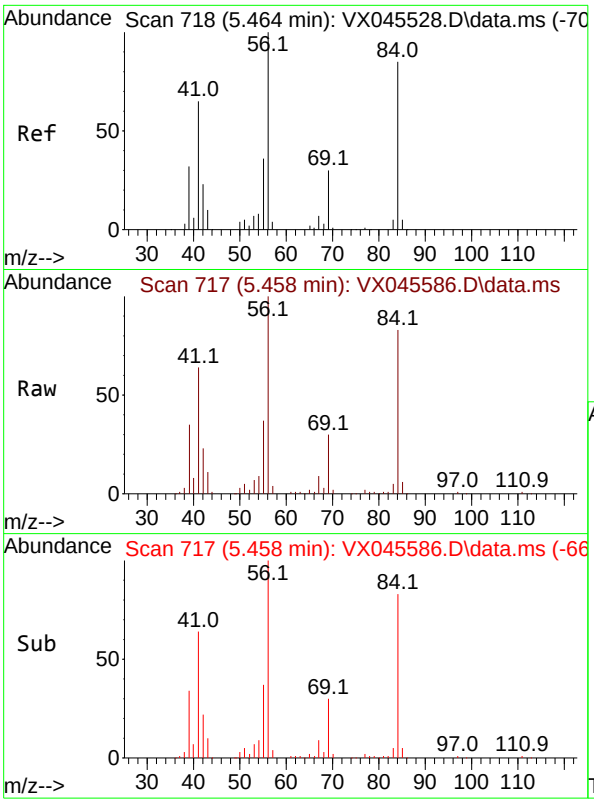


#30
Chloroform
Concen: 50.378 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 83 Resp: 127207

Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.8	79.2

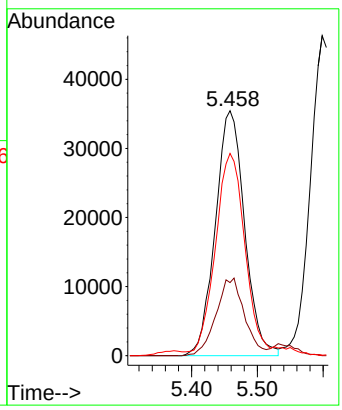




#31
Cyclohexane
Concen: 50.650 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 56 Resp: 10988

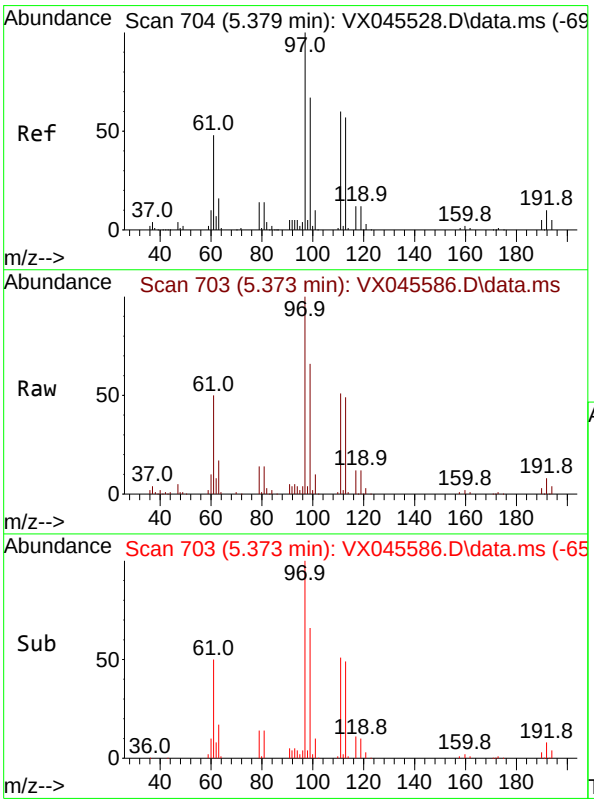
Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.6	35.4
84	80.7	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

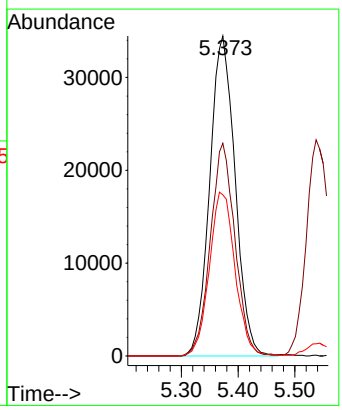
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

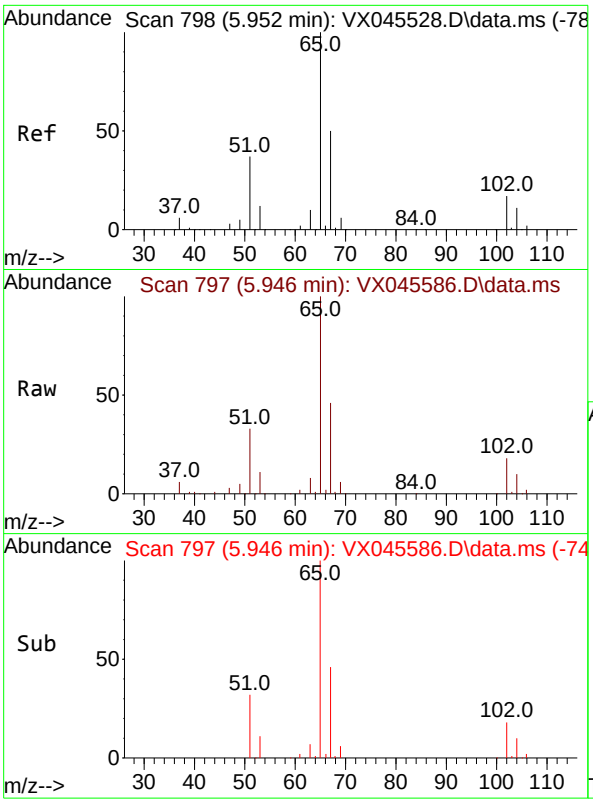


#32
1,1,1-Trichloroethane
Concen: 50.113 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 97 Resp: 107072

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	52.1	41.0	61.4

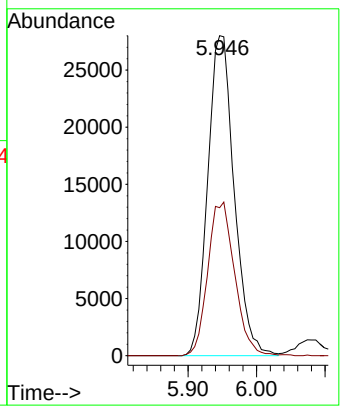




#33
1,2-Dichloroethane-d4
Concen: 42.428 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 65 Resp: 7503

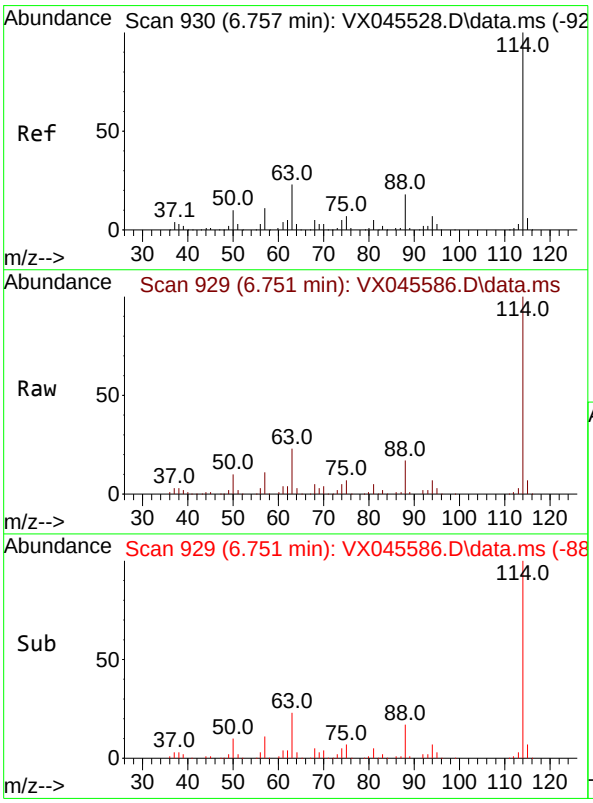
Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

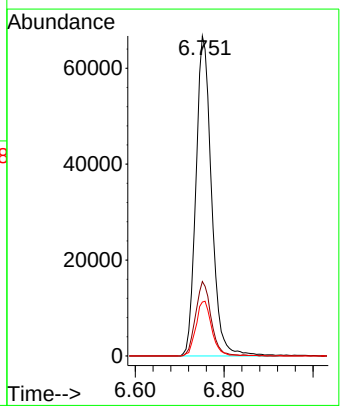
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

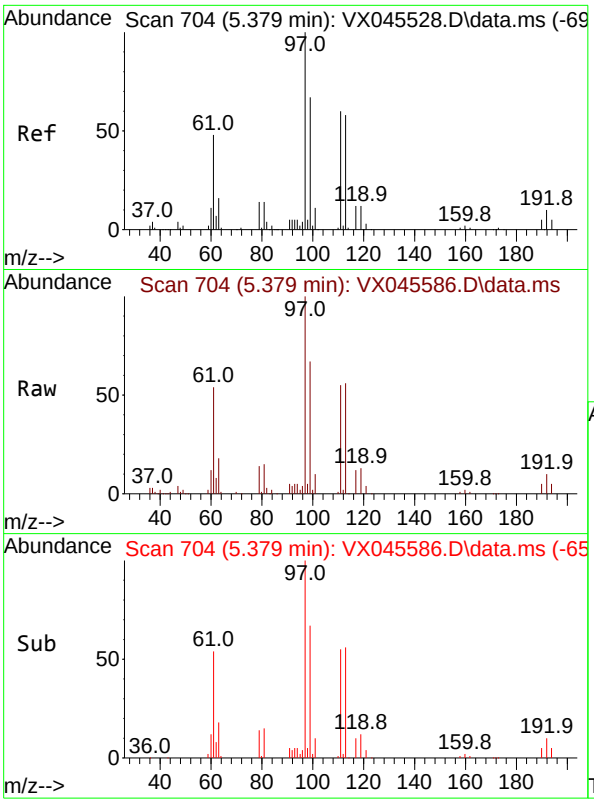


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:114 Resp: 163287

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	46.8
88	16.9	0.0	35.4

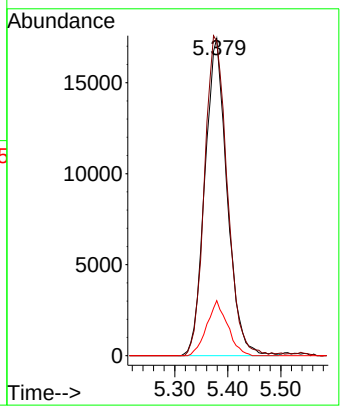




#35
Dibromofluoromethane
Concen: 43.879 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:113 Resp: 5083

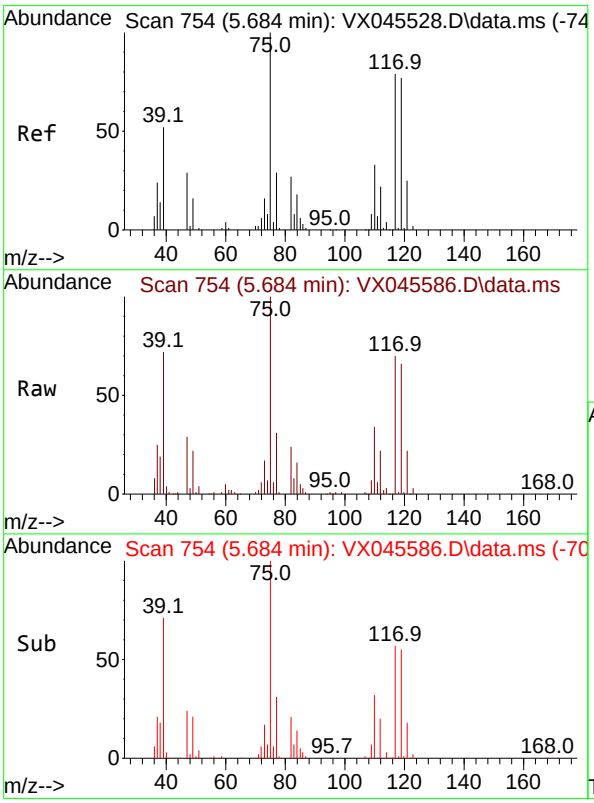
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	16.2	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

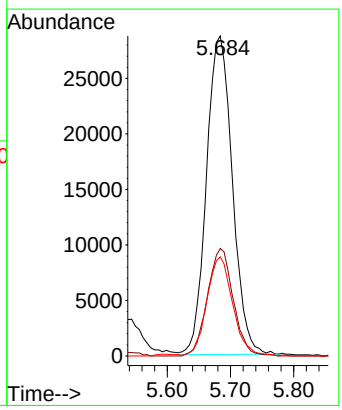
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

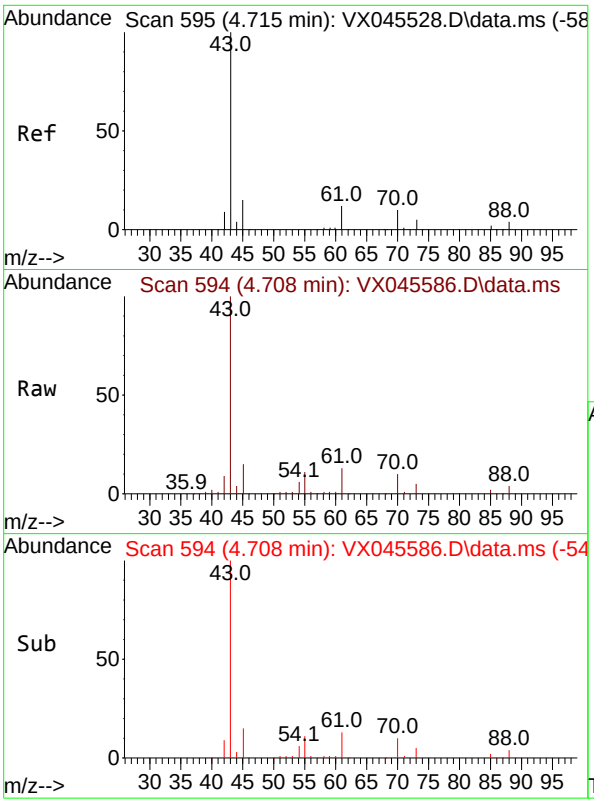


#36
1,1-Dichloropropene
Concen: 52.336 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 75 Resp: 81866

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	31.0	25.0	37.4

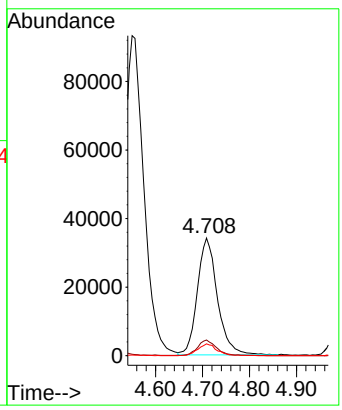




#37
Ethyl Acetate
Concen: 51.305 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 43 Resp: 10113

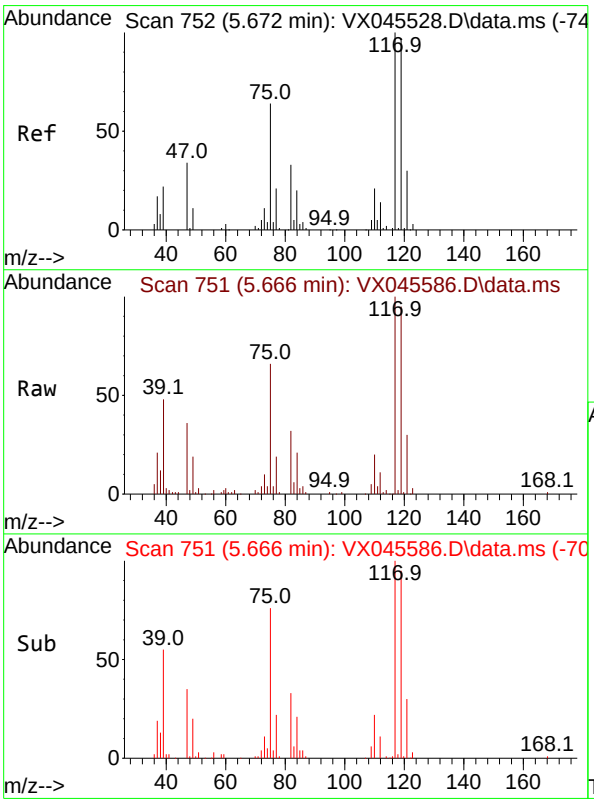
Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.9	14.9
70	9.6	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

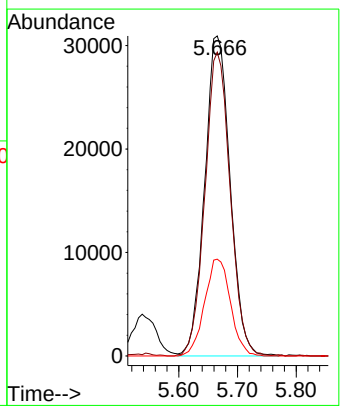
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

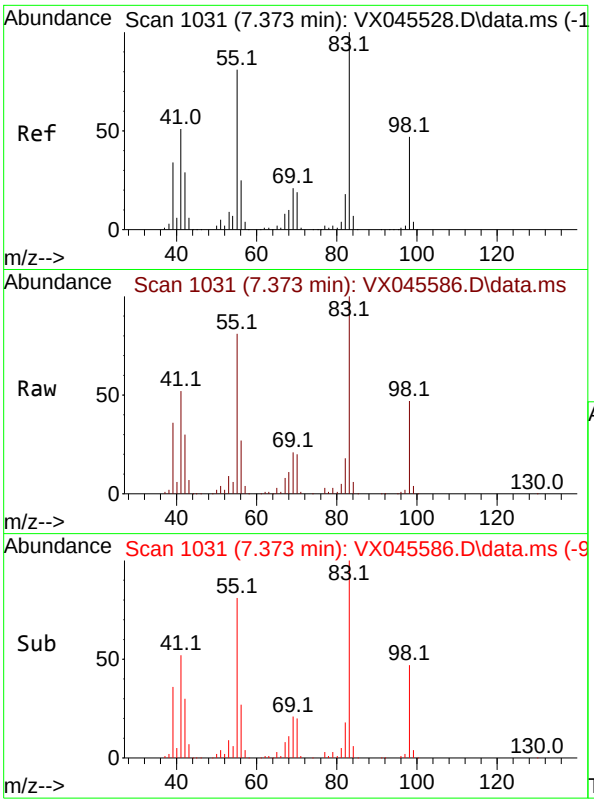


#38
Carbon Tetrachloride
Concen: 55.161 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:117 Resp: 93252

Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.9	115.3
121	30.3	24.2	36.2





#39
Methylcyclohexane
Concen: 56.163 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

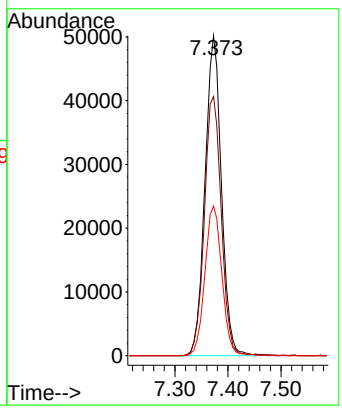
Tgt Ion: 83 Resp: 10768

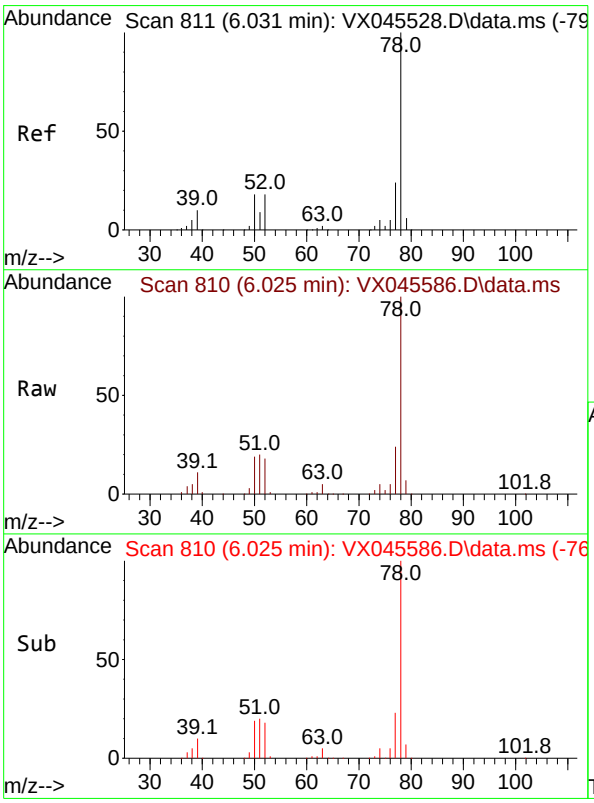
Ion	Ratio	Lower	Upper
83	100		
55	81.0	64.9	97.3
98	46.8	37.4	56.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

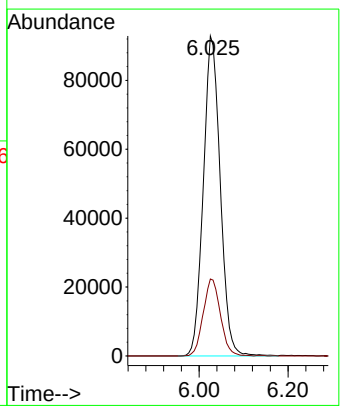


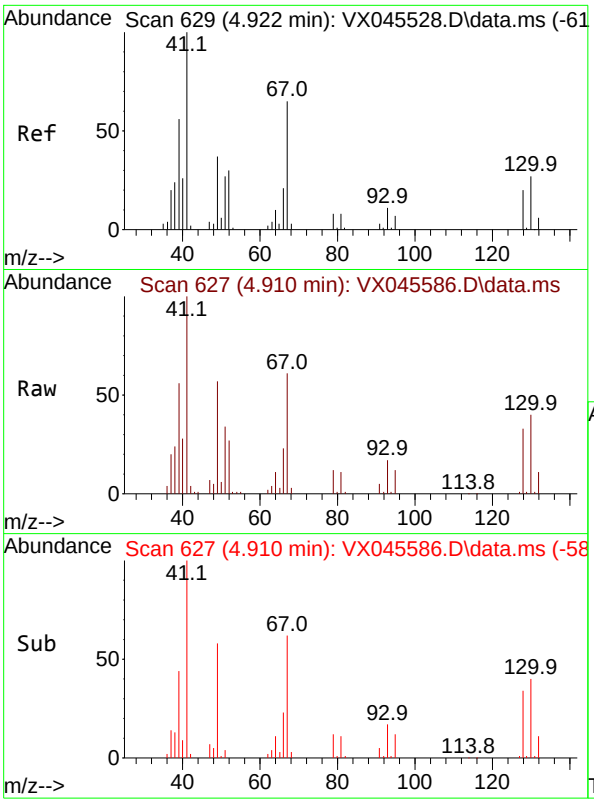


#40
Benzene
Concen: 51.517 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 78 Resp: 246115

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6

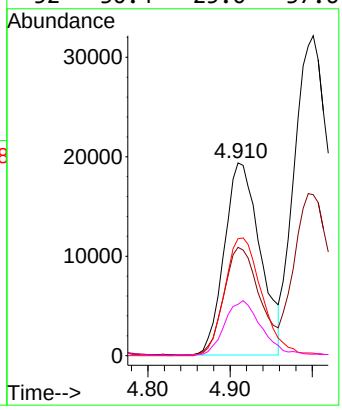




#41
Methacrylonitrile
Concen: 56.425 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 41 Resp: 5868

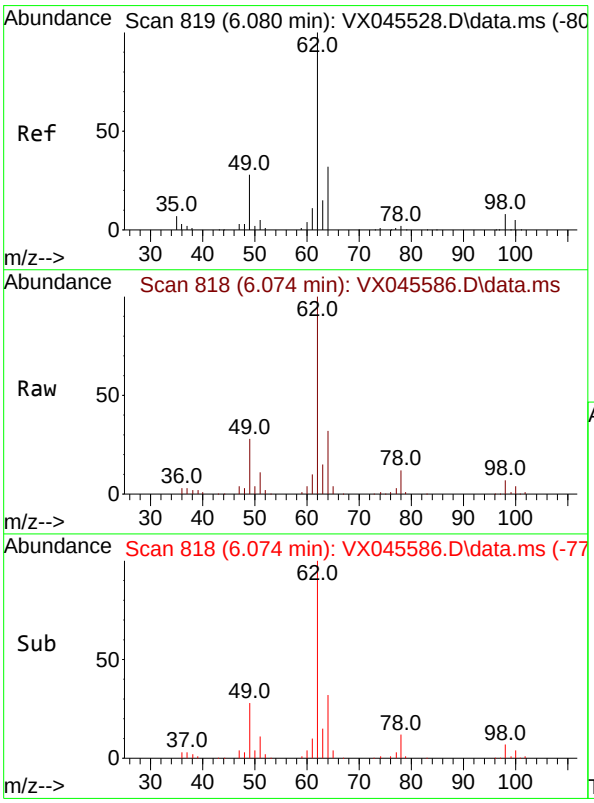
Ion	Ratio	Lower	Upper
41	100		
39	56.4	47.0	70.6
67	64.0	53.2	79.8
52	30.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

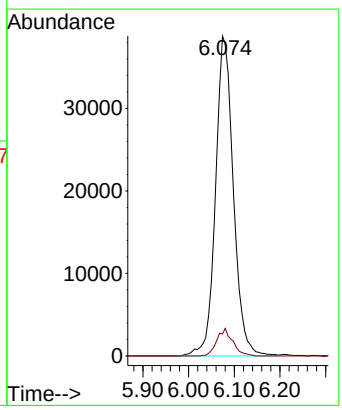
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

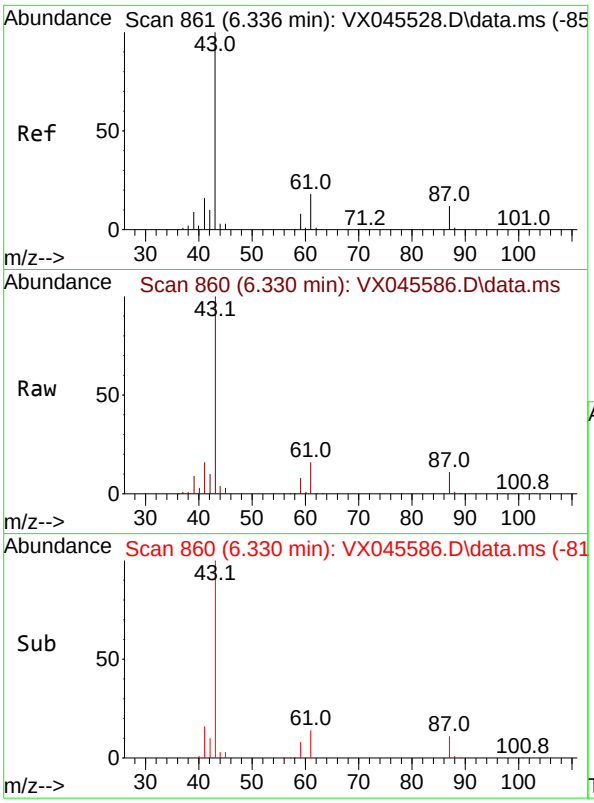


#42
1,2-Dichloroethane
Concen: 53.340 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 62 Resp: 105249

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43
Isopropyl Acetate
Concen: 52.737 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

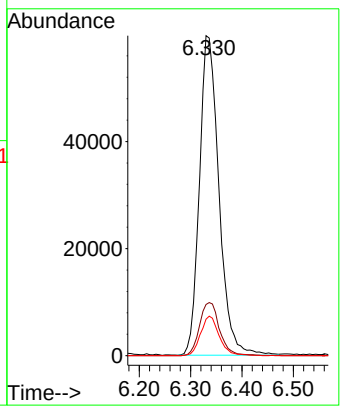
Tgt Ion: 43 Resp: 15756

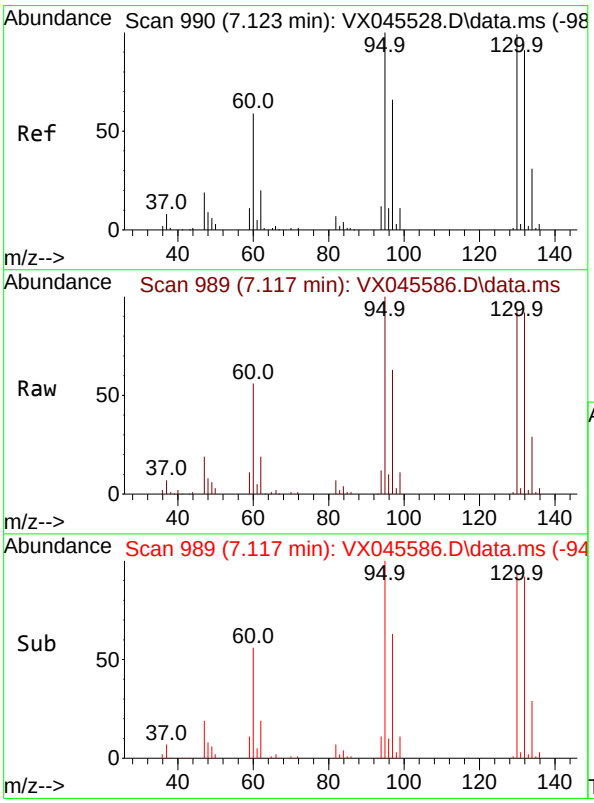
Ion	Ratio	Lower	Upper
43	100		
61	17.1	14.1	21.1
87	11.8	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

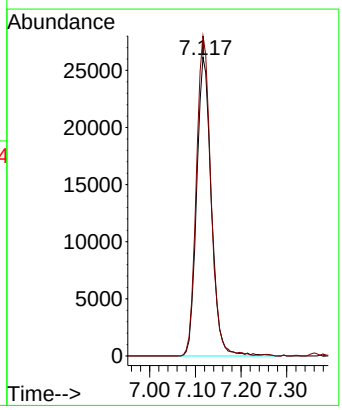


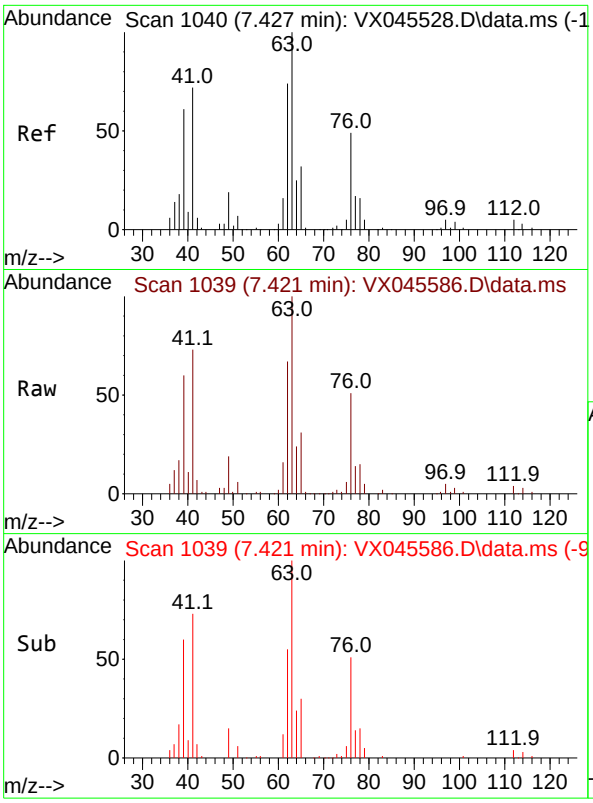


#44
Trichloroethene
Concen: 51.308 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:130 Resp: 58260

Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	202.0

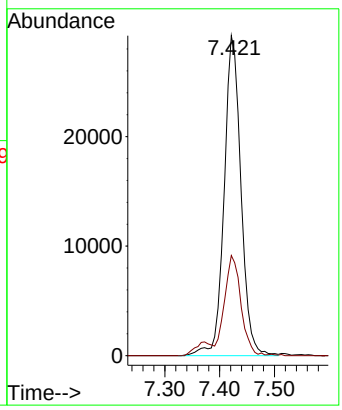




#45
1,2-Dichloropropane
Concen: 52.514 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 63 Resp: 6259

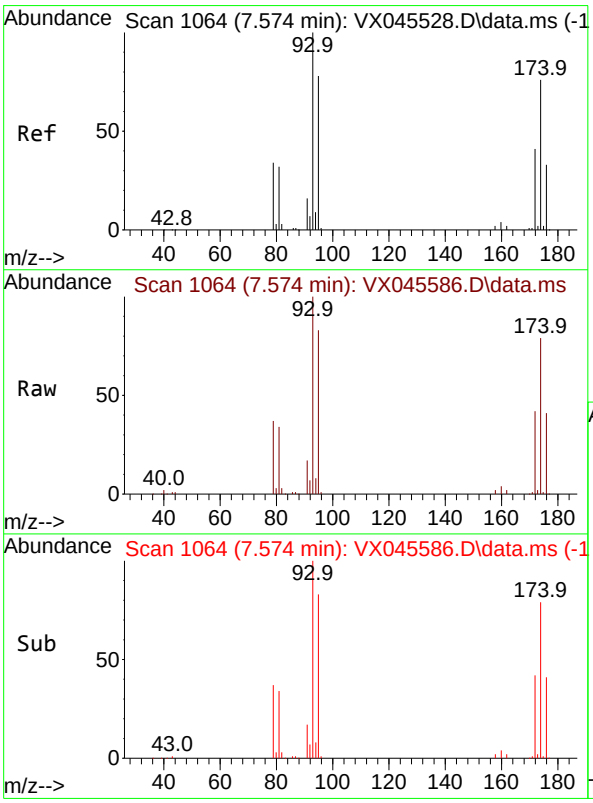
Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

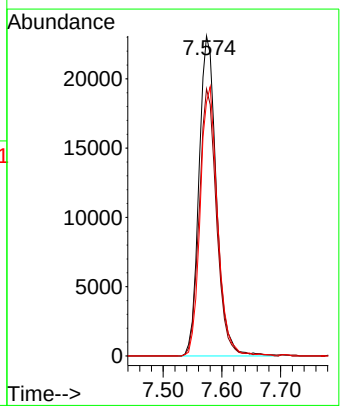
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

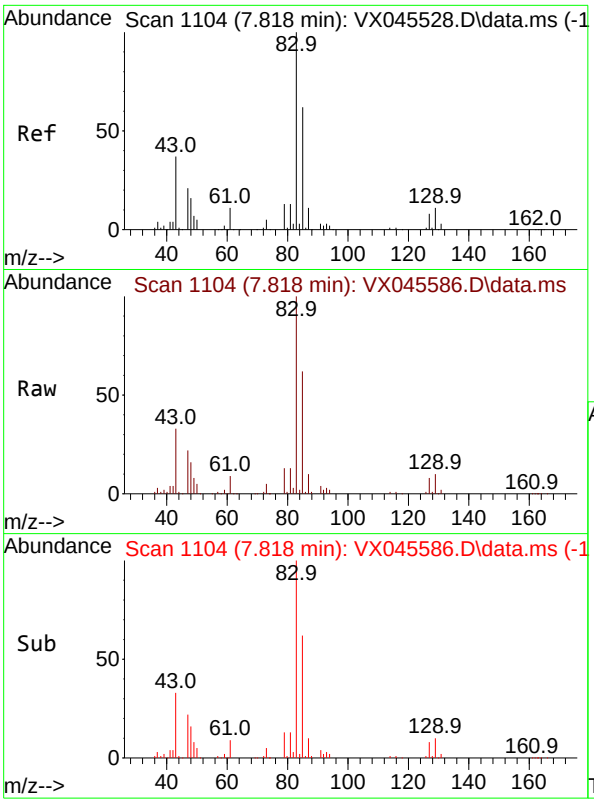


#46
Dibromomethane
Concen: 52.011 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 93 Resp: 47591

Ion	Ratio	Lower	Upper
93	100		
95	82.8	64.8	97.2
174	83.4	65.4	98.0

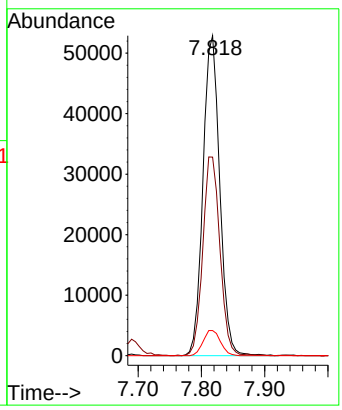




#47
Bromodichloromethane
Concen: 53.371 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 83 Resp: 9752

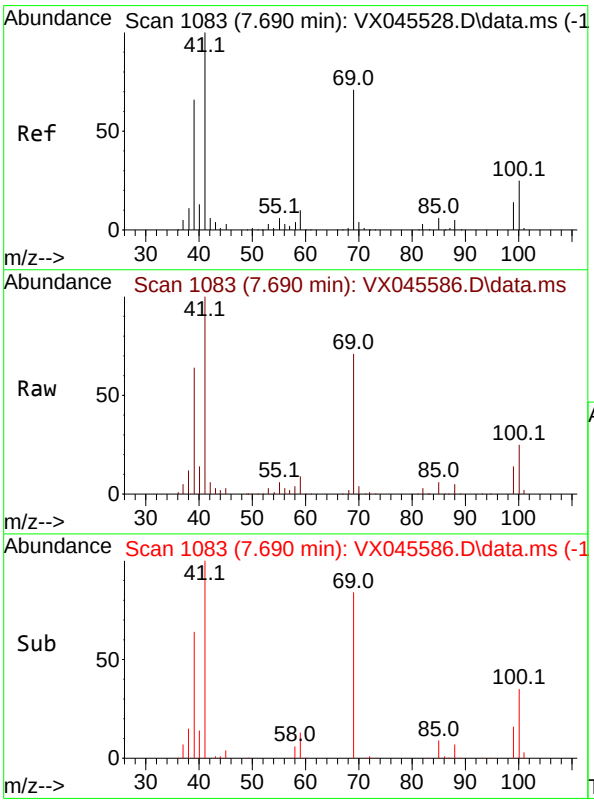
Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.7	74.5
127	7.9	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

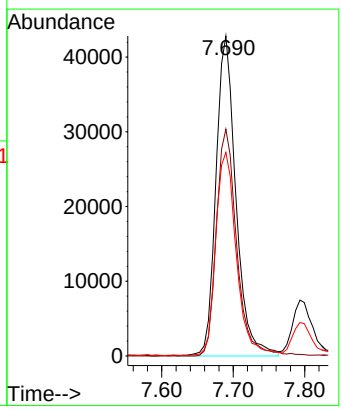
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

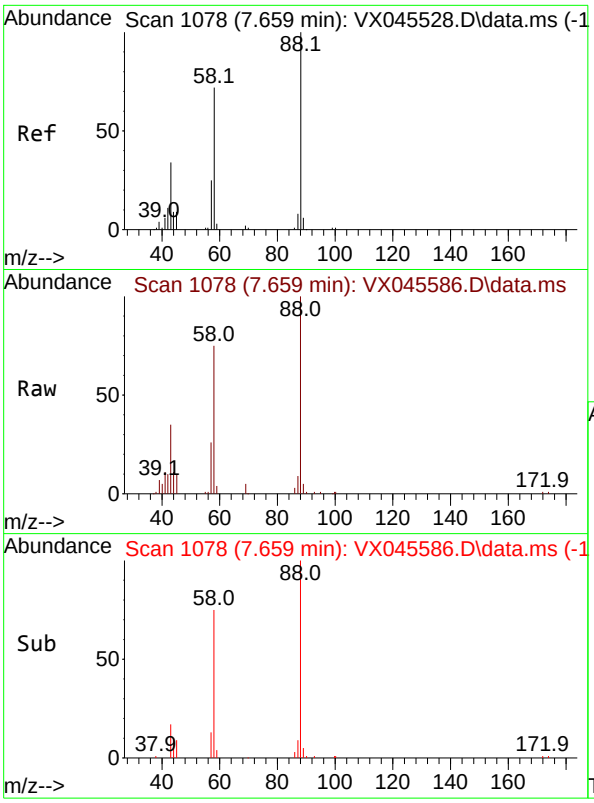


#48
Methyl methacrylate
Concen: 53.861 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 41 Resp: 83087

Ion	Ratio	Lower	Upper
41	100		
69	72.1	58.2	87.2
39	65.7	53.6	80.4





#49
1,4-Dioxane
Concen: 972.308 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

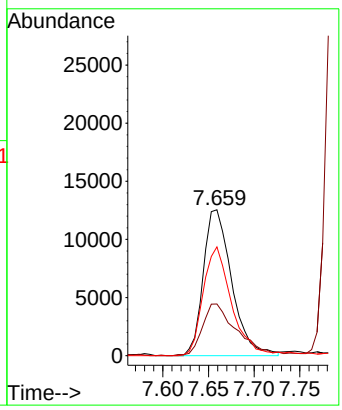
Tgt Ion: 88 Resp: 2713

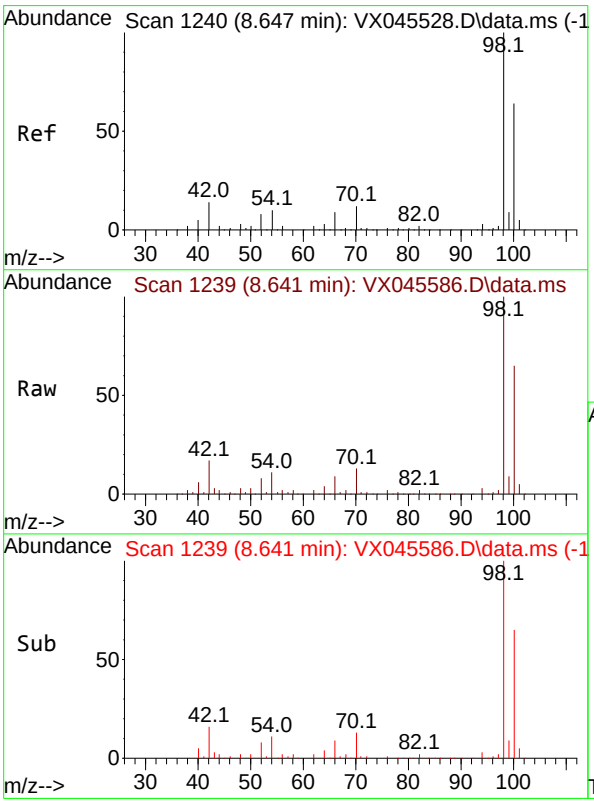
Ion	Ratio	Lower	Upper
88	100		
43	43.6	32.2	48.4
58	76.3	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

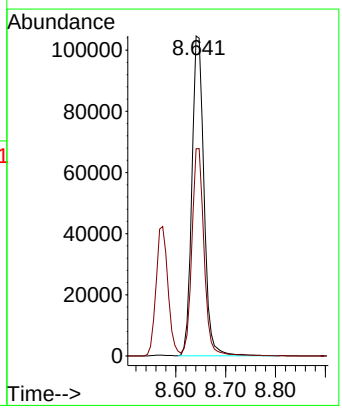


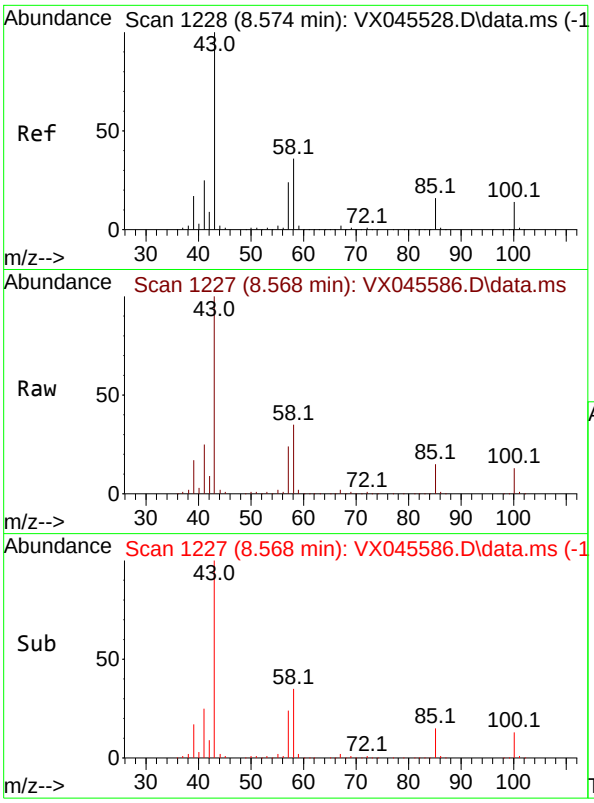


#50
Toluene-d8
Concen: 43.586 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 98 Resp: 176247

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.4

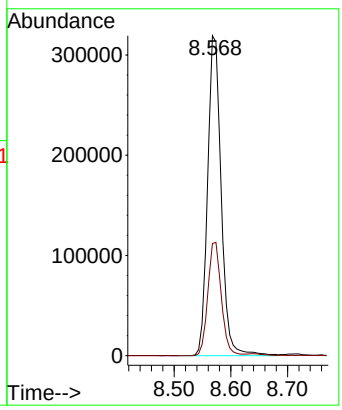




#51
4-Methyl-2-Pentanone
Concen: 268.424 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 43 Resp: 53164

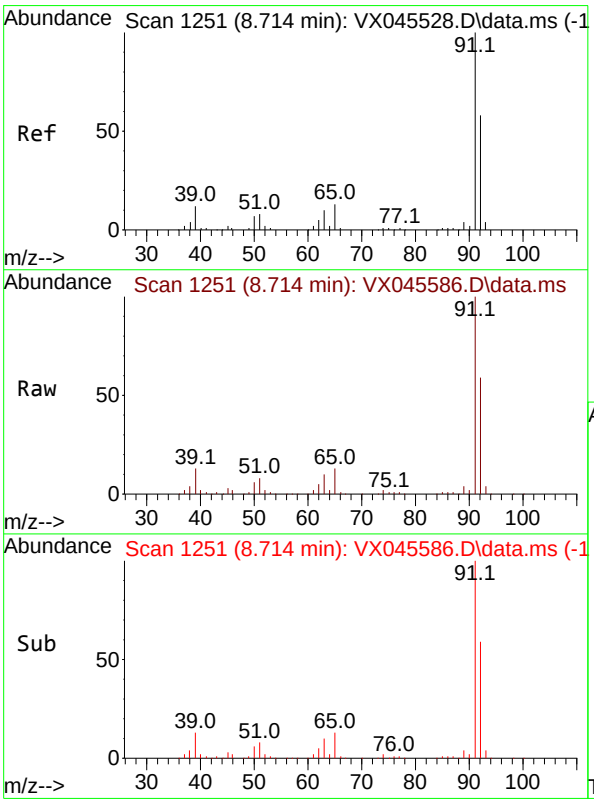
Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

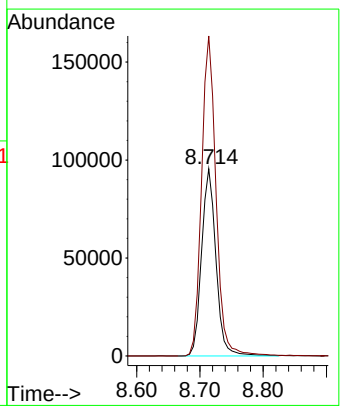
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

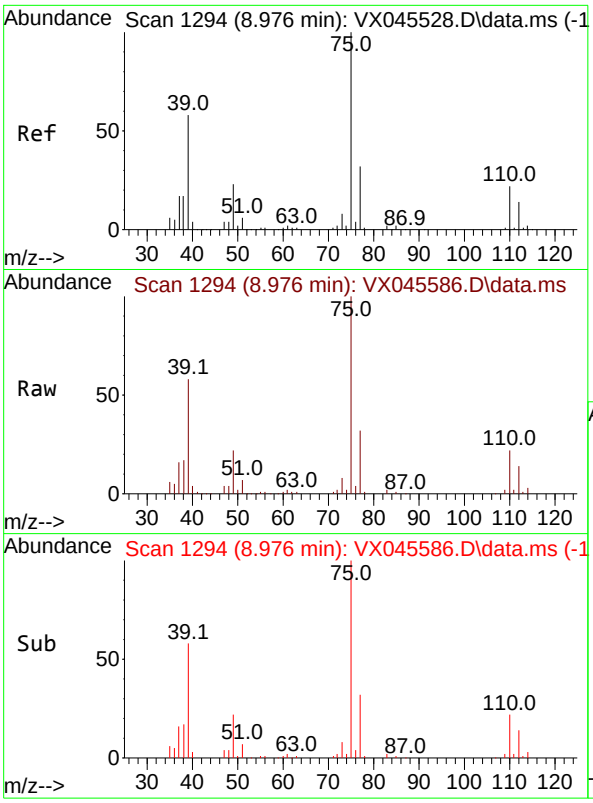


#52
Toluene
Concen: 52.369 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 92 Resp: 151389

Ion	Ratio	Lower	Upper
92	100		
91	172.1	138.7	208.1

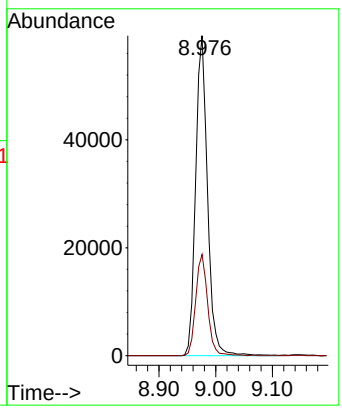




#53
t-1,3-Dichloropropene
Concen: 49.056 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 75 Resp: 8612

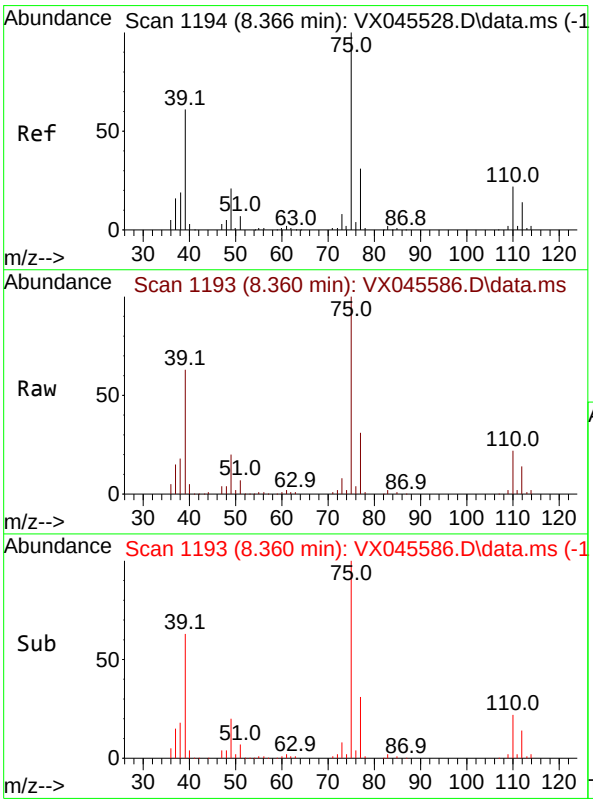
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

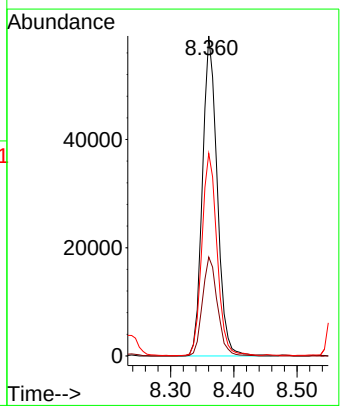
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

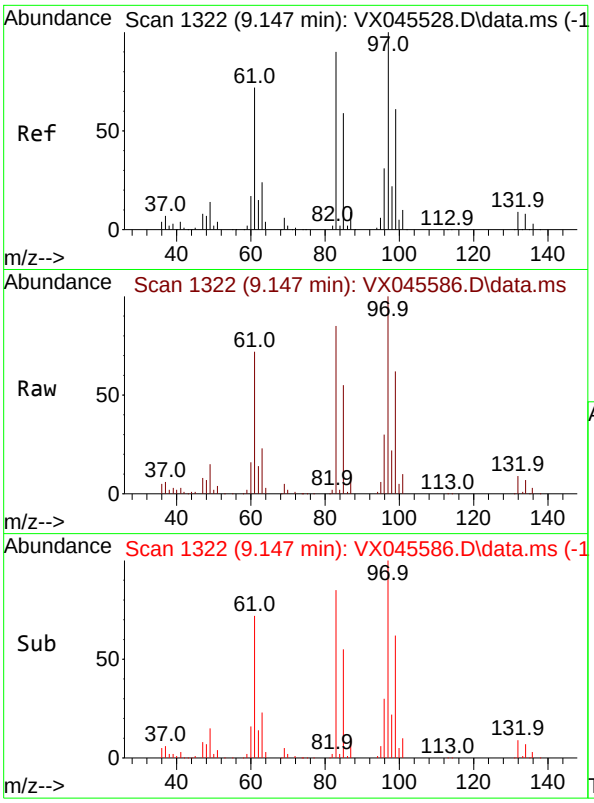


#54
cis-1,3-Dichloropropene
Concen: 55.919 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 75 Resp: 96025

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.6	36.8
39	63.2	48.4	72.6

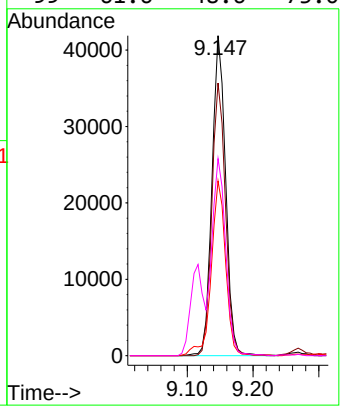




#55
1,1,2-Trichloroethane
Concen: 52.506 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 97 Resp: 6048

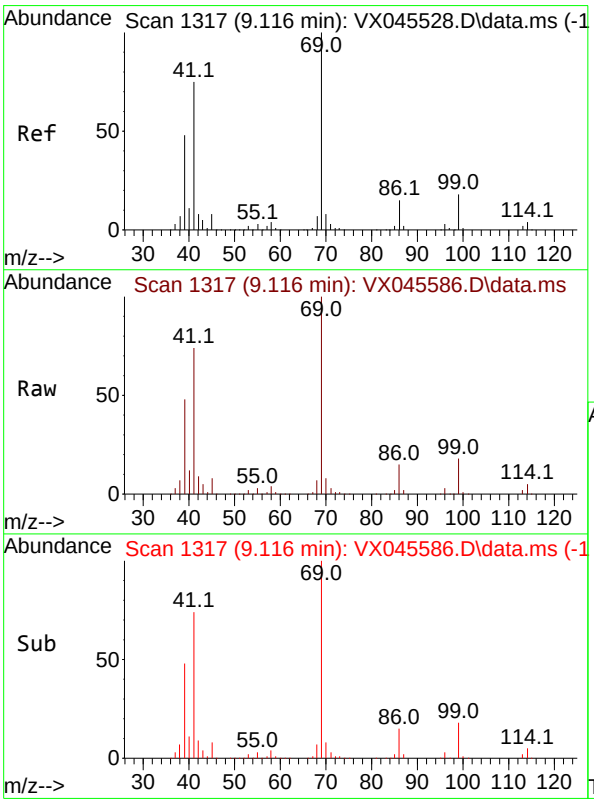
Ion	Ratio	Lower	Upper
97	100		
83	85.2	71.8	107.8
85	54.6	47.0	70.6
99	61.6	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

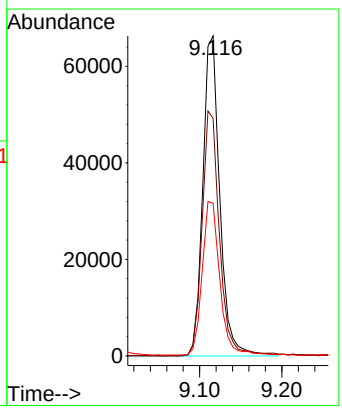
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

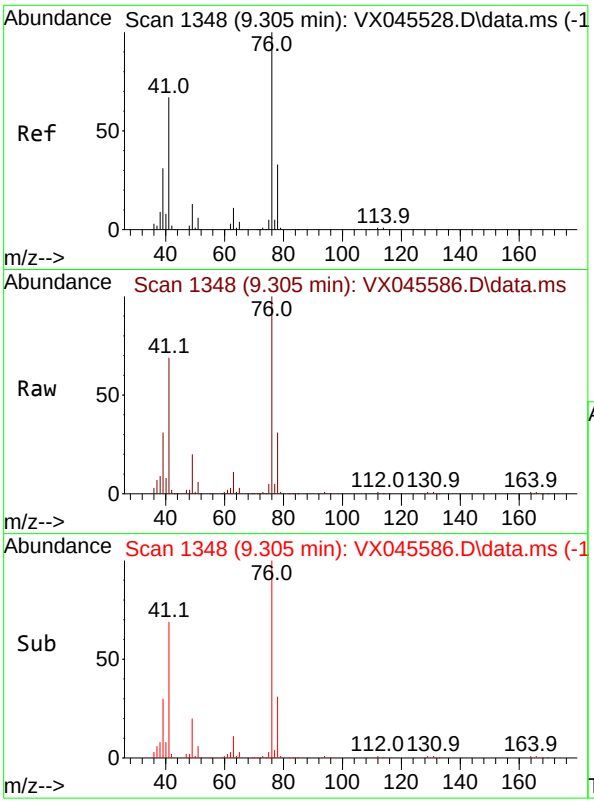


#56
Ethyl methacrylate
Concen: 53.447 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 69 Resp: 95283

Ion	Ratio	Lower	Upper
69	100		
41	77.7	61.3	91.9
39	50.0	40.2	60.2

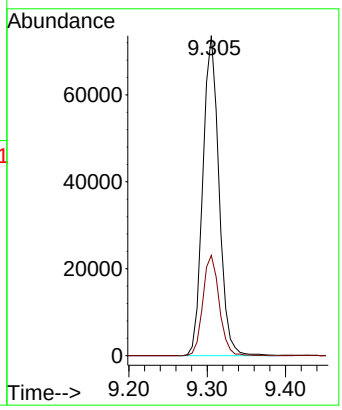




#57
1,3-Dichloropropane
Concen: 52.594 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 76 Resp: 10550

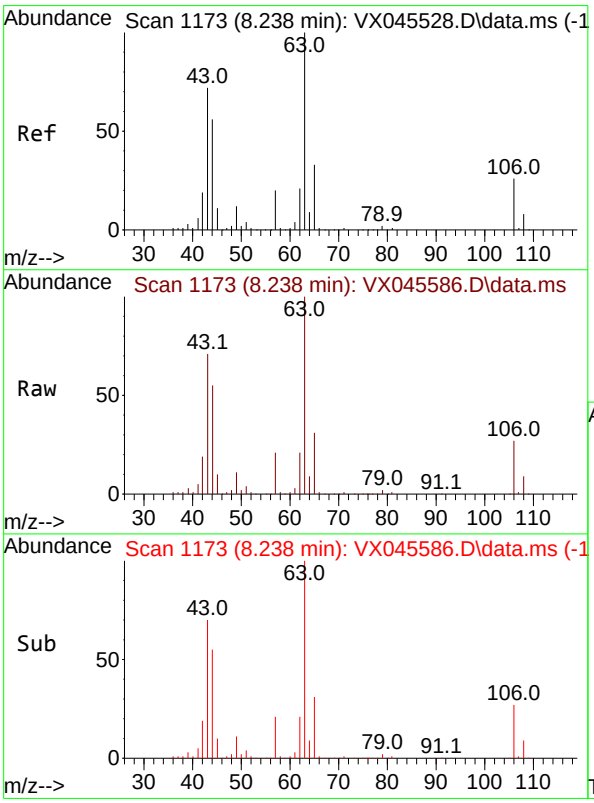
Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

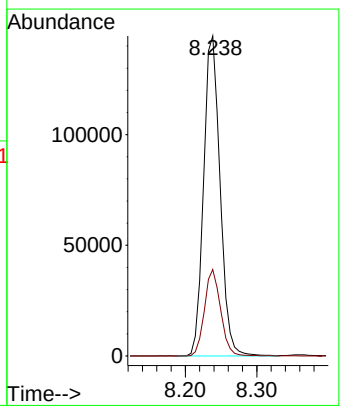
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

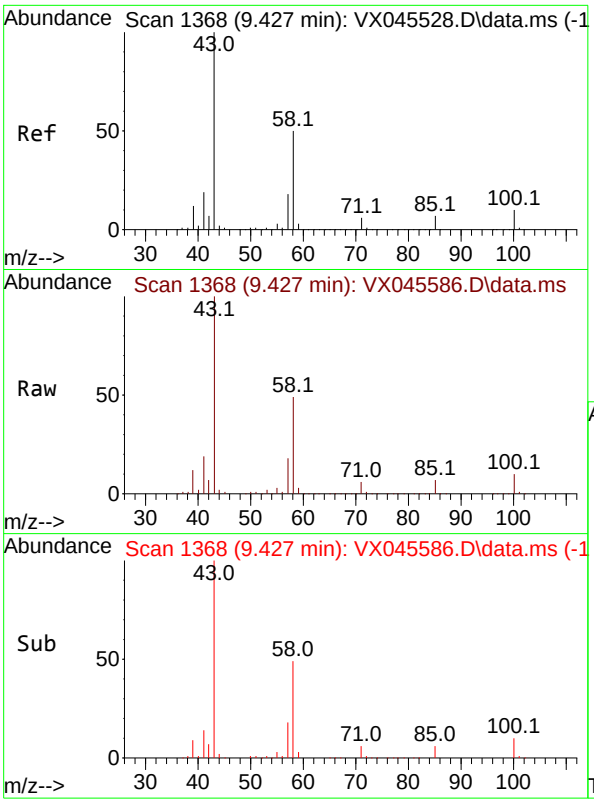


#58
2-Chloroethyl Vinyl ether
Concen: 256.573 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 63 Resp: 231389

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.0	31.6

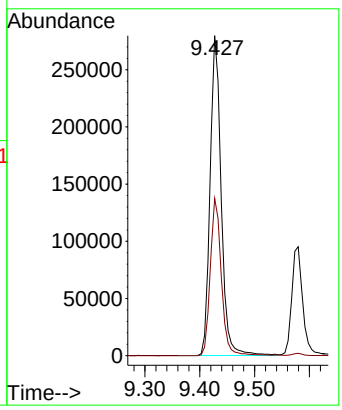




#59
2-Hexanone
Concen: 266.730 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 43 Resp: 39121

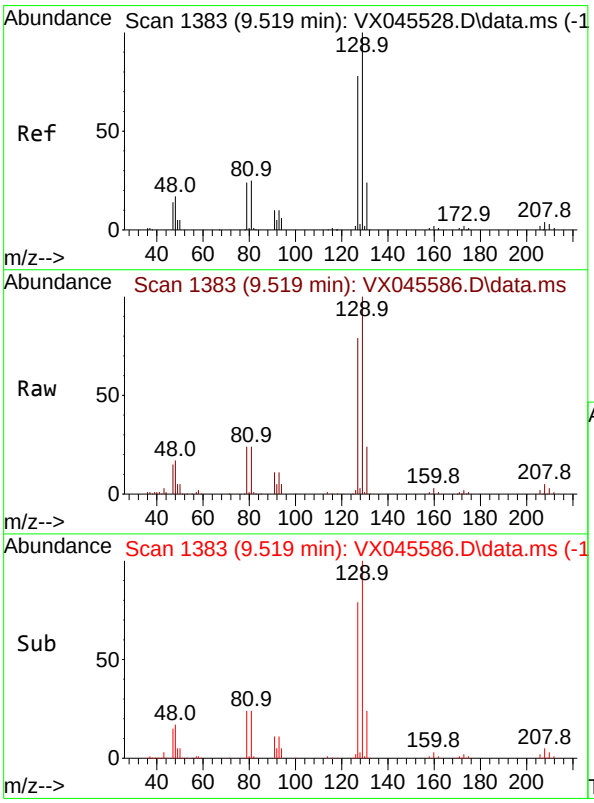
Ion	Ratio	Lower	Upper
43	100		
58	49.0	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

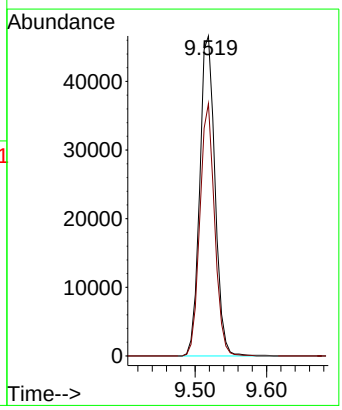
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

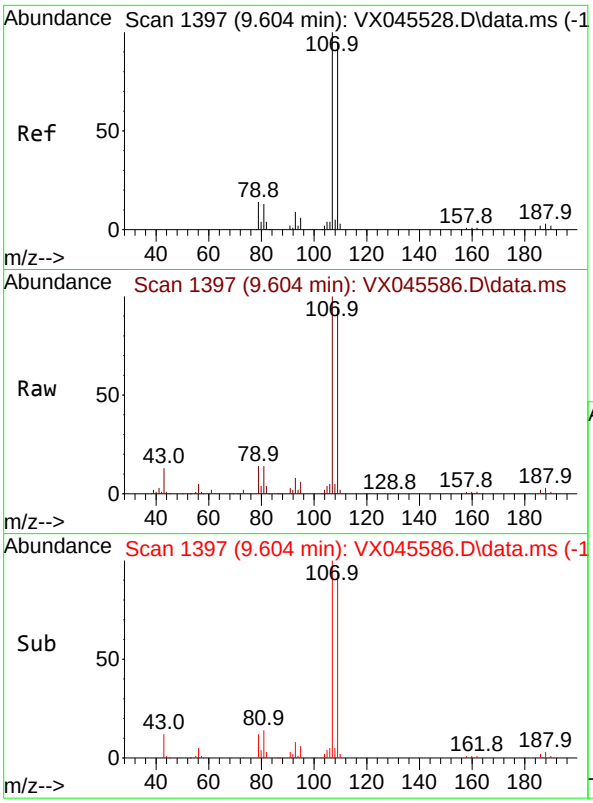


#60
Dibromochloromethane
Concen: 55.012 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:129 Resp: 69085

Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.4	118.2

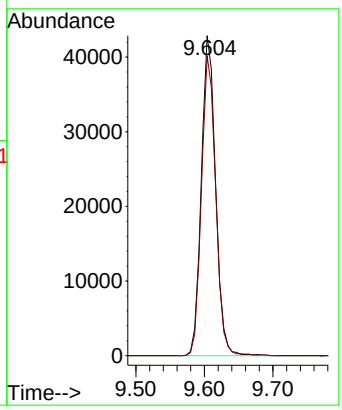




#61
1,2-Dibromoethane
Concen: 53.230 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:107 Resp: 6207

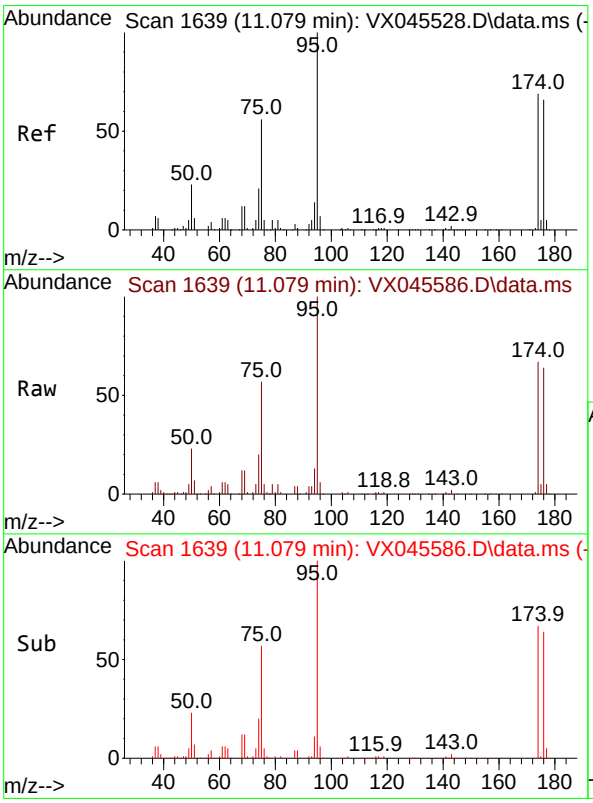
Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

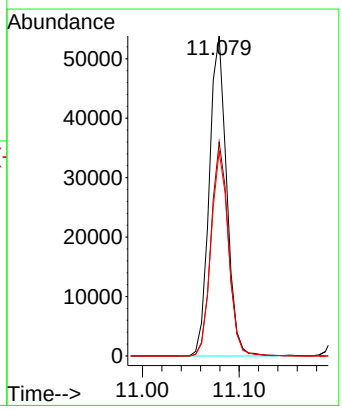
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

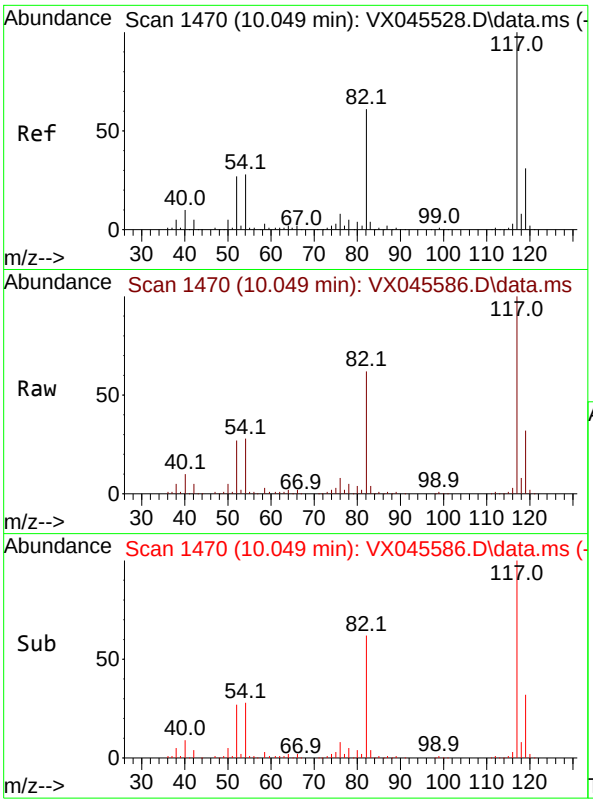


#62
4-Bromofluorobenzene
Concen: 45.563 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 95 Resp: 67111

Ion	Ratio	Lower	Upper
95	100		
174	66.8	0.0	135.8
176	64.5	0.0	131.4

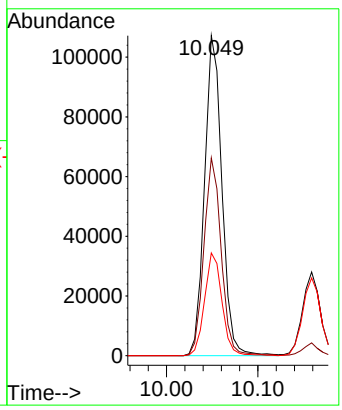




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:117 Resp: 14204

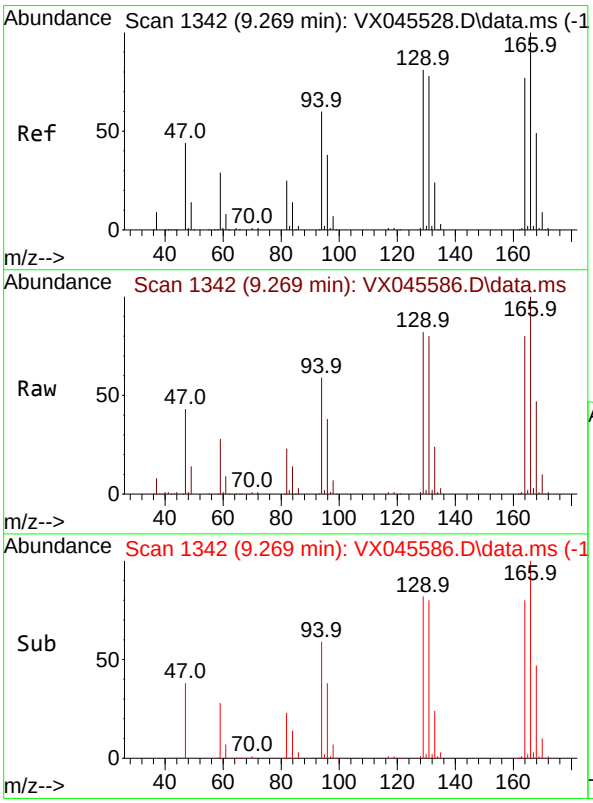
Ion	Ratio	Lower	Upper
117	100		
82	61.8	49.2	73.8
119	32.1	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

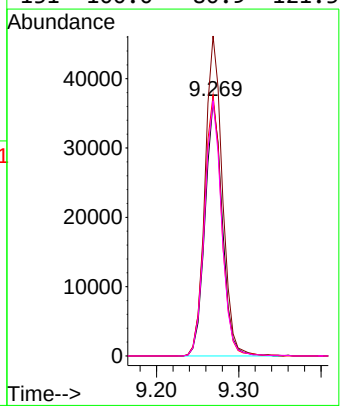
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

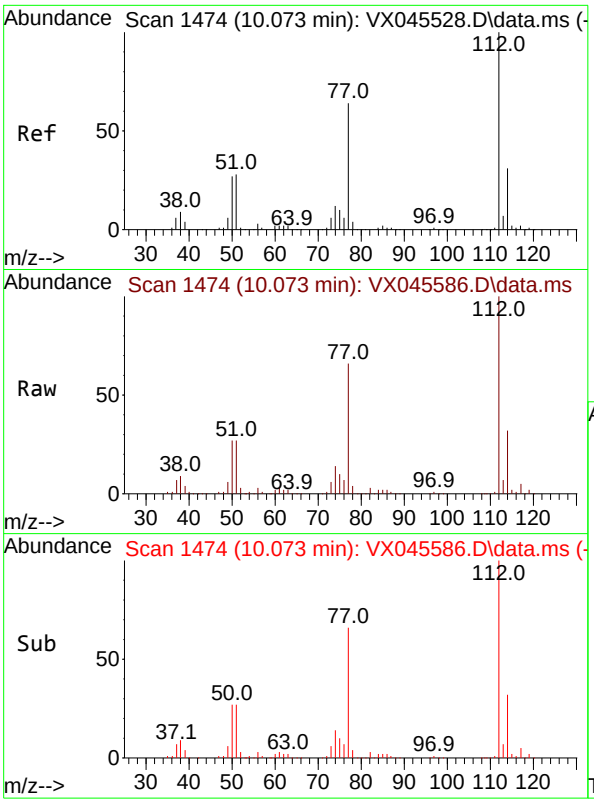


#64
Tetrachloroethene
Concen: 53.258 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:164 Resp: 53413

Ion	Ratio	Lower	Upper
164	100		
166	125.6	103.8	155.8
129	102.4	84.3	126.5
131	100.0	80.9	121.3

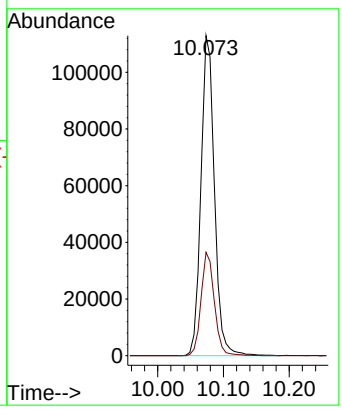




#65
Chlorobenzene
Concen: 53.041 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:112 Resp: 16099

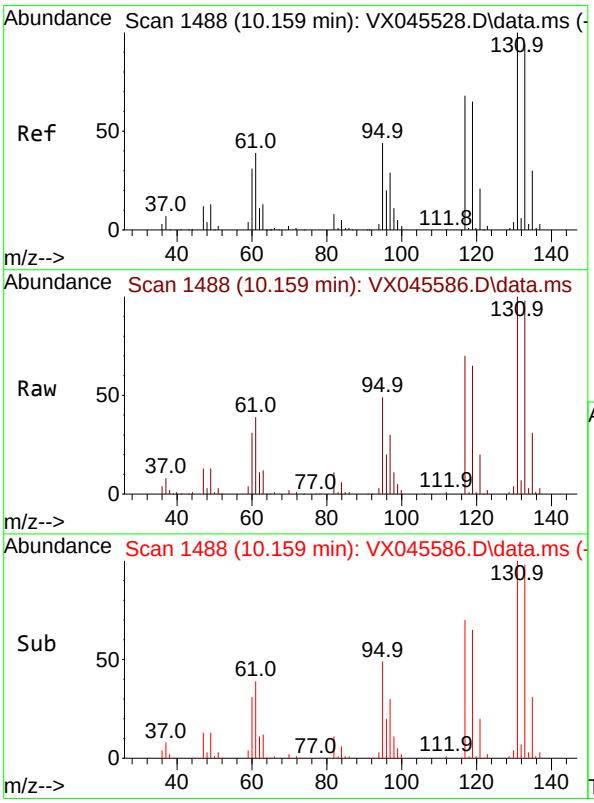
Ion	Ratio	Lower	Upper
112	100		
114	32.3	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

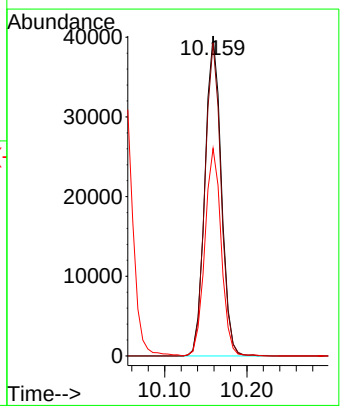
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

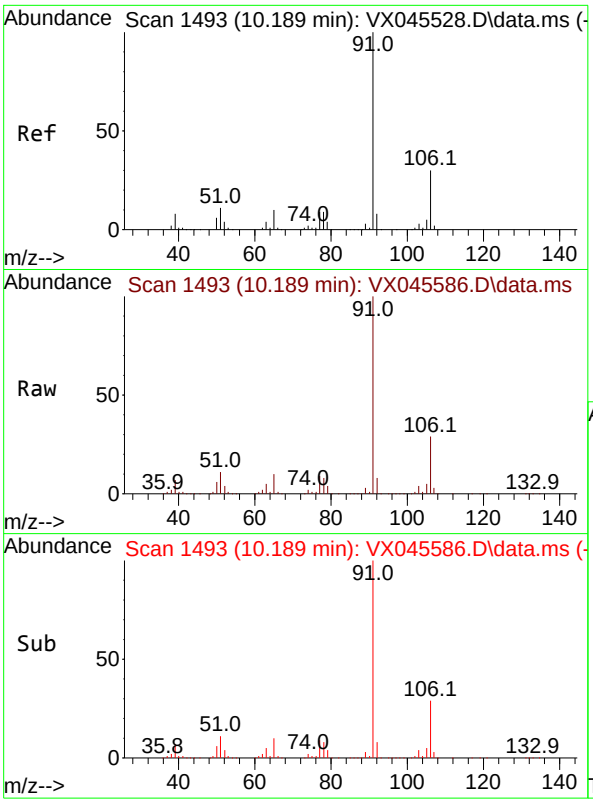


#66
1,1,1,2-Tetrachloroethane
Concen: 52.492 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:131 Resp: 55317

Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.5	142.5
119	64.9	32.9	98.6

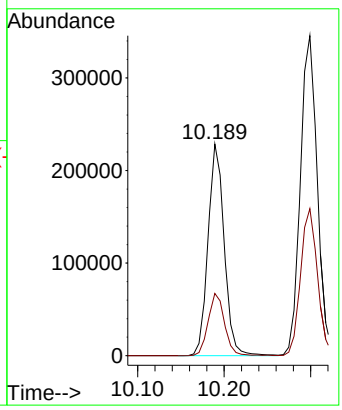




#67
Ethyl Benzene
Concen: 54.700 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 91 Resp: 29736

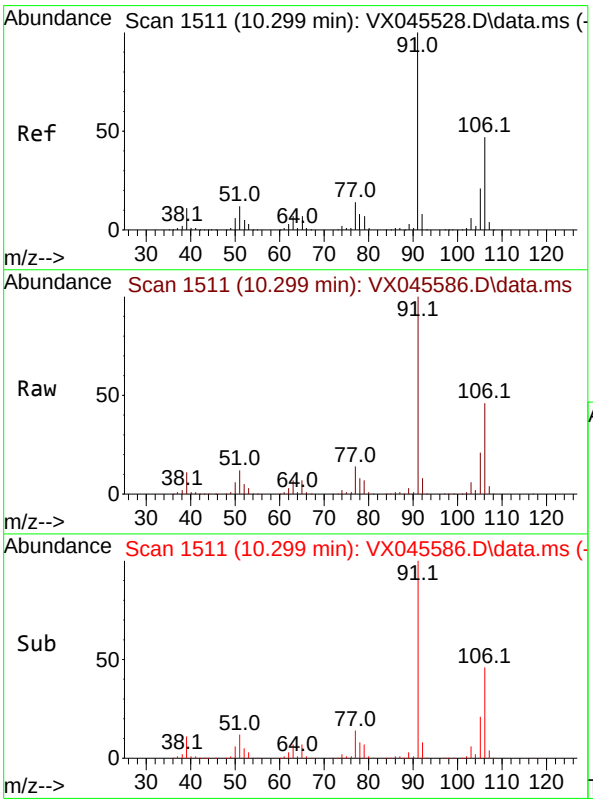
Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

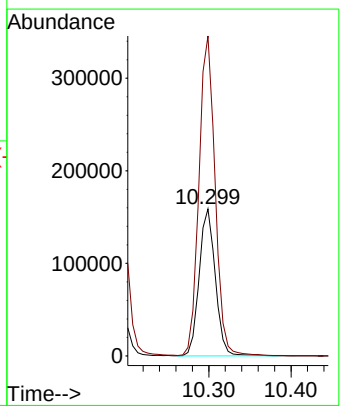
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

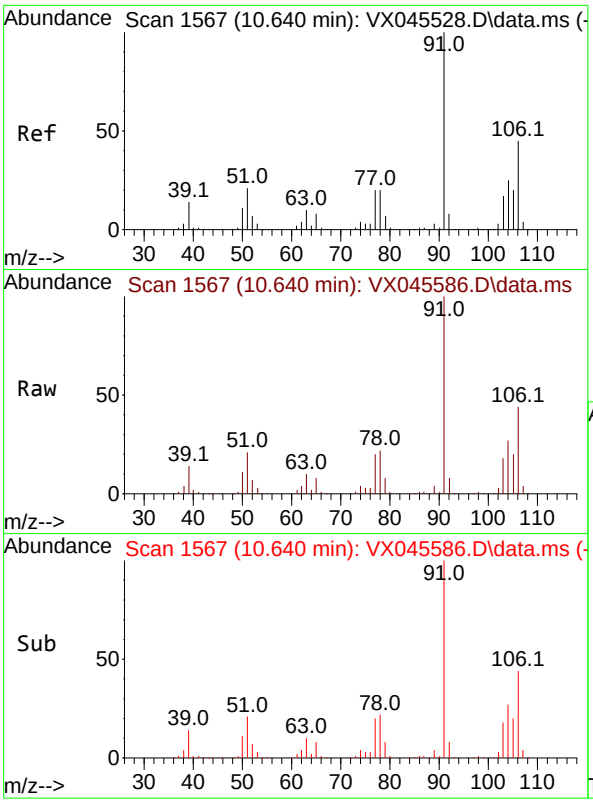


#68
m/p-Xylenes
Concen: 109.636 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:106 Resp: 216775

Ion	Ratio	Lower	Upper
106	100		
91	218.4	172.6	258.8

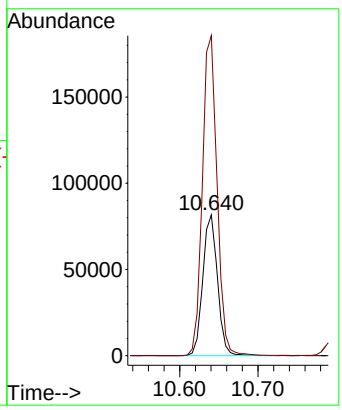




#69
o-Xylene
Concen: 54.386 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:106 Resp: 10593

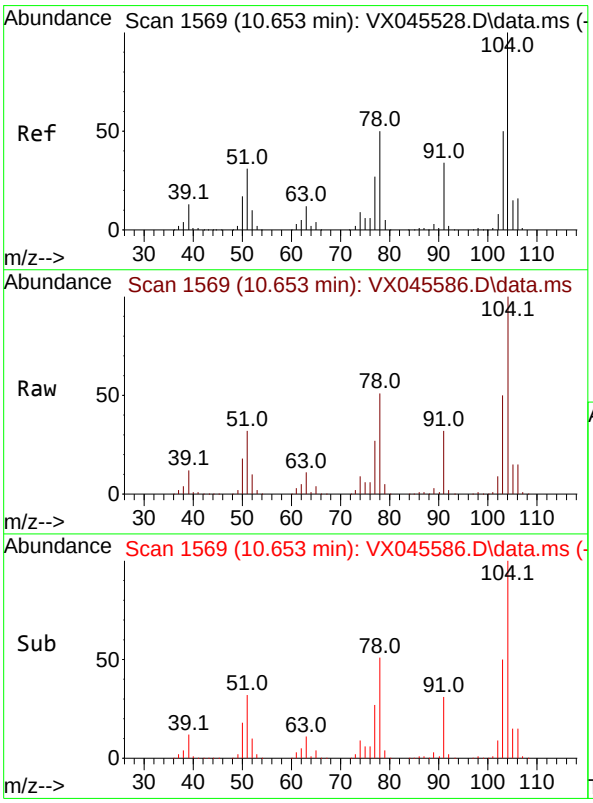
Ion	Ratio	Lower	Upper
106	100		
91	228.1	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

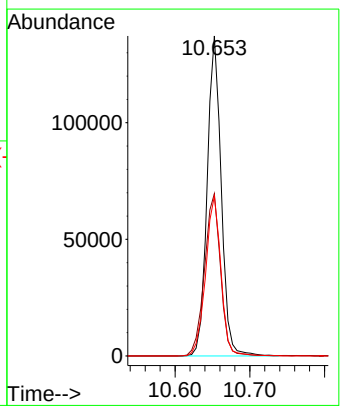
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

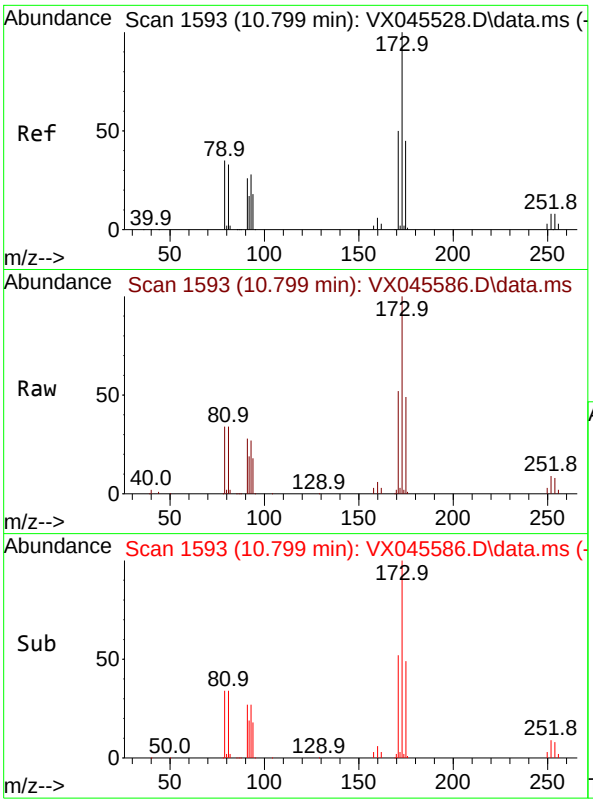


#70
Styrene
Concen: 55.886 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:104 Resp: 179659

Ion	Ratio	Lower	Upper
104	100		
78	57.9	45.4	68.2
103	54.6	43.8	65.8

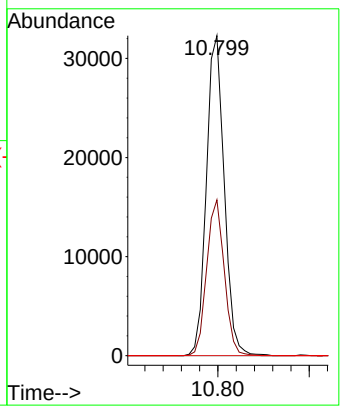




#71
Bromoform
Concen: 55.486 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:173 Resp: 4365

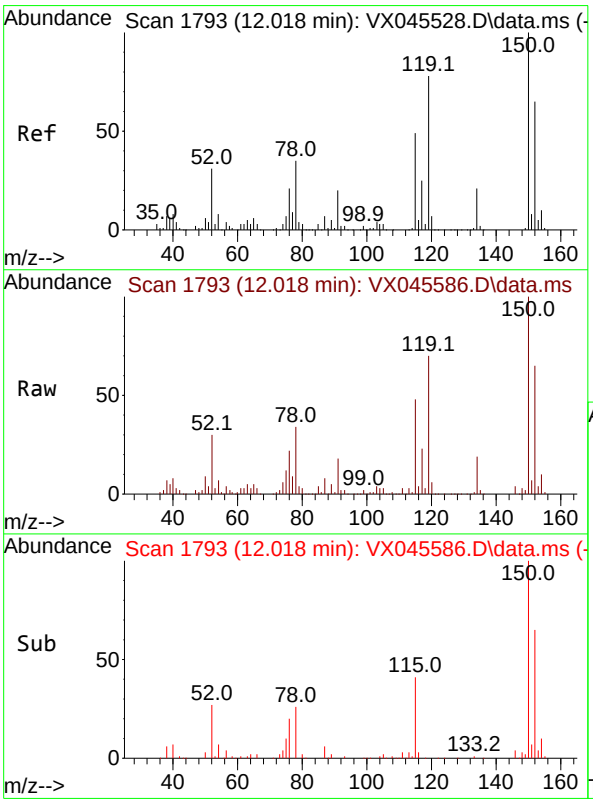
Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

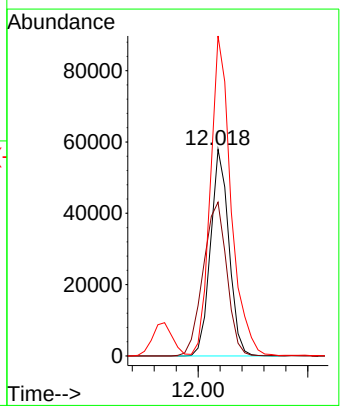
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

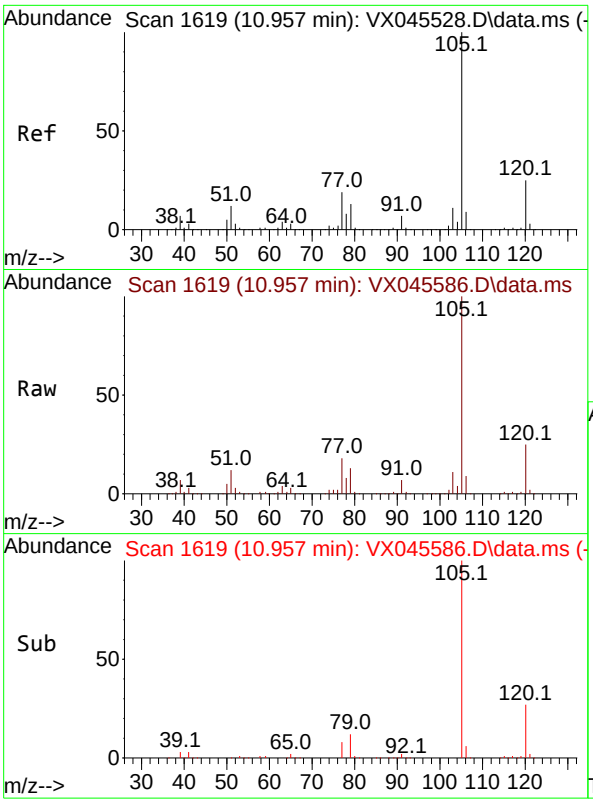


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:152 Resp: 67379

Ion	Ratio	Lower	Upper
152	100		
115	95.7	46.9	140.7
150	173.4	0.0	349.4

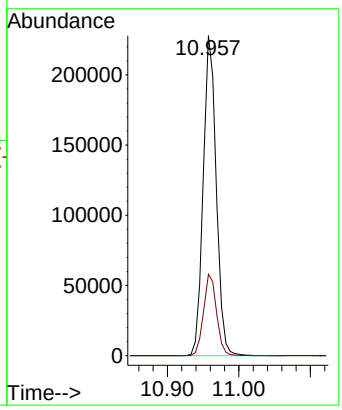




#73
Isopropylbenzene
Concen: 53.453 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:105 Resp: 28849

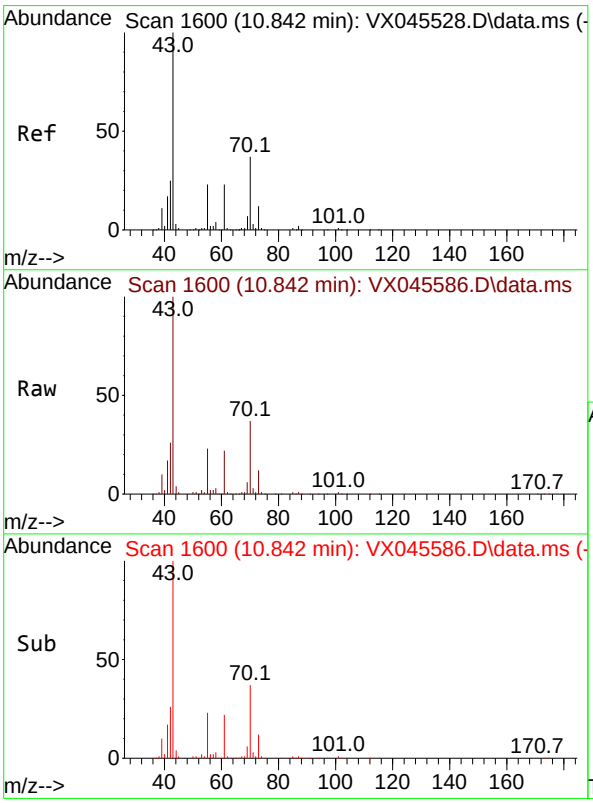
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

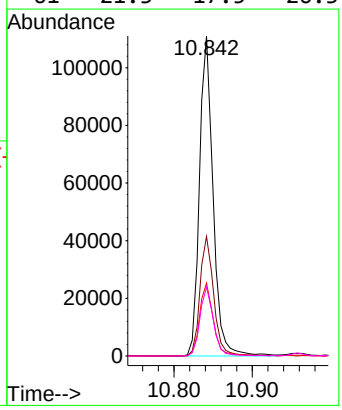
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

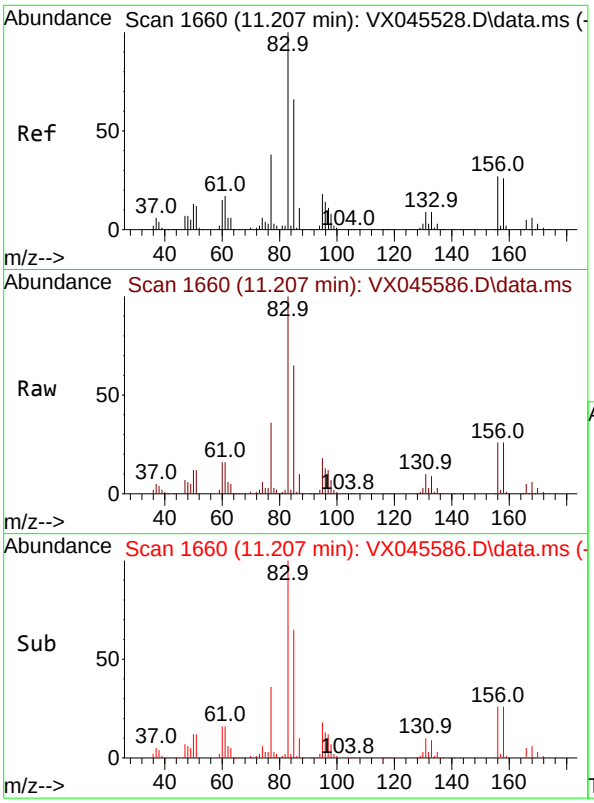


#74
N-amyl acetate
Concen: 52.015 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 43 Resp: 134287

Ion	Ratio	Lower	Upper
43	100		
70	37.7	30.1	45.1
55	23.0	18.3	27.5
61	21.3	17.5	26.3

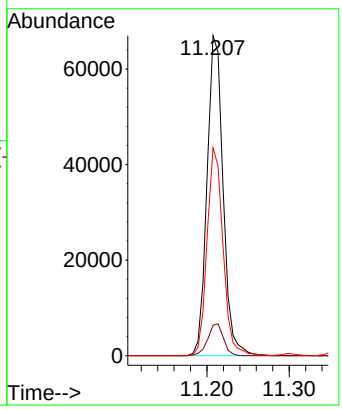




#75
1,1,2,2-Tetrachloroethane
Concen: 48.021 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 83 Resp: 9104

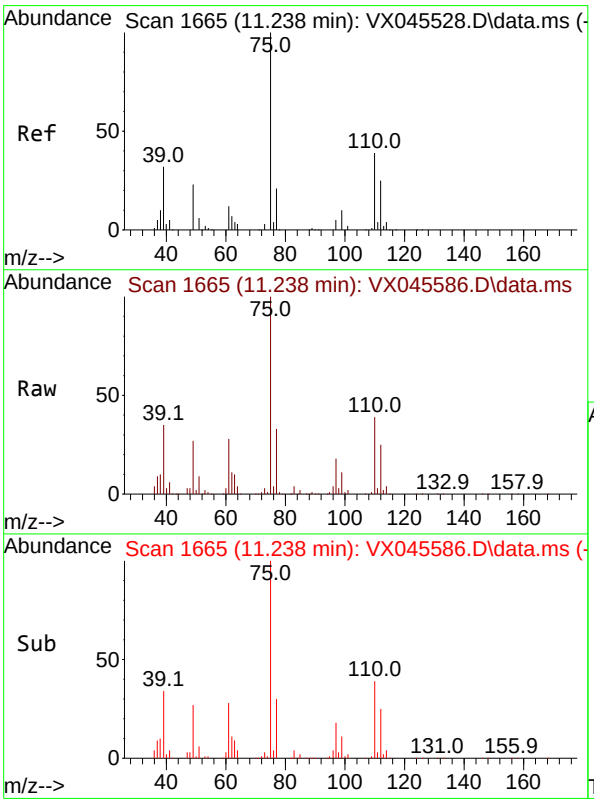
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	64.4	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

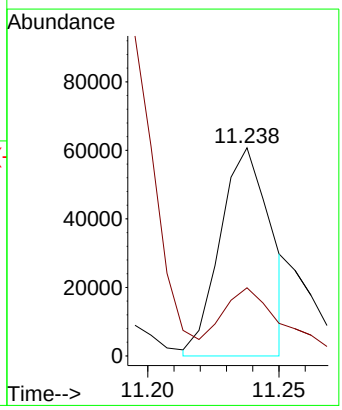
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

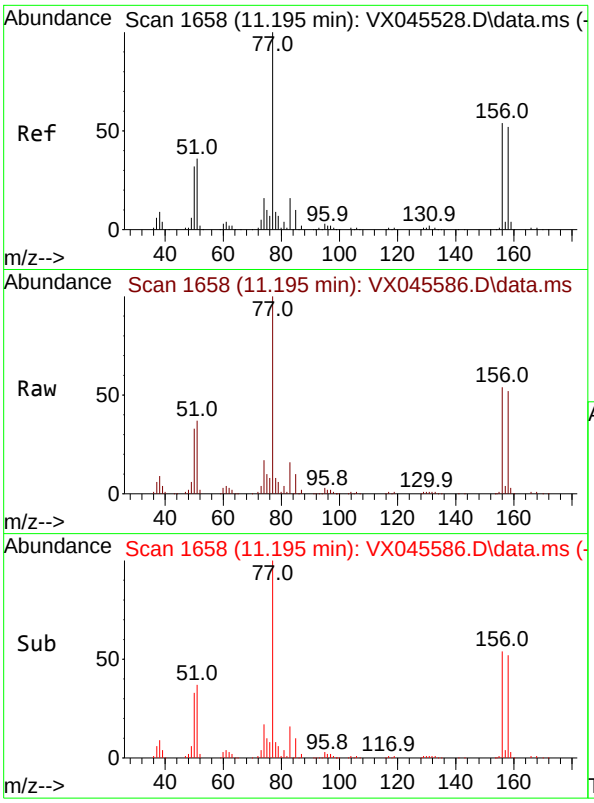


#76
1,2,3-Trichloropropane
Concen: 49.496 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 75 Resp: 81348

Ion	Ratio	Lower	Upper
75	100		
77	39.7	20.0	59.9

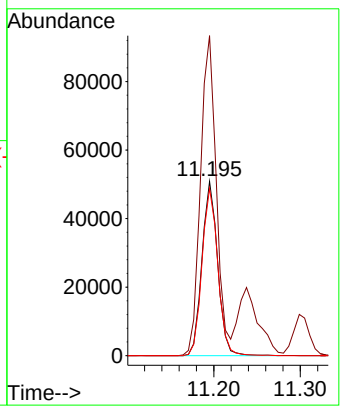




#77
Bromobenzene
Concen: 51.248 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:156 Resp: 6390

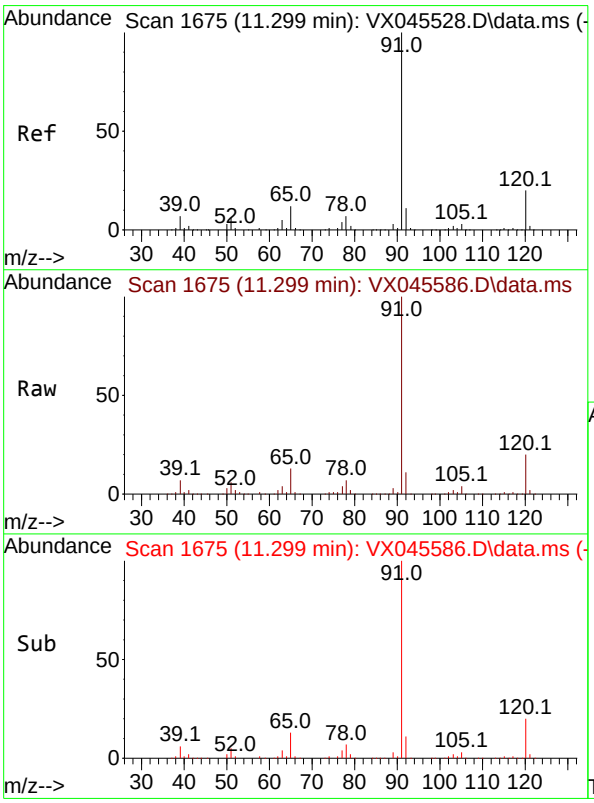
Ion	Ratio	Lower	Upper
156	100		
77	185.3	92.6	277.8
158	97.2	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

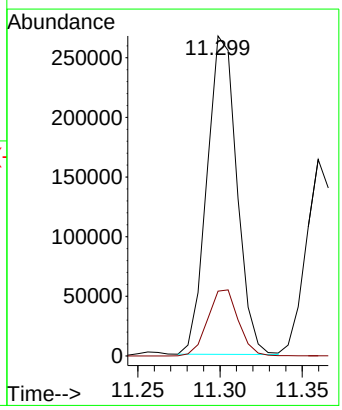
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

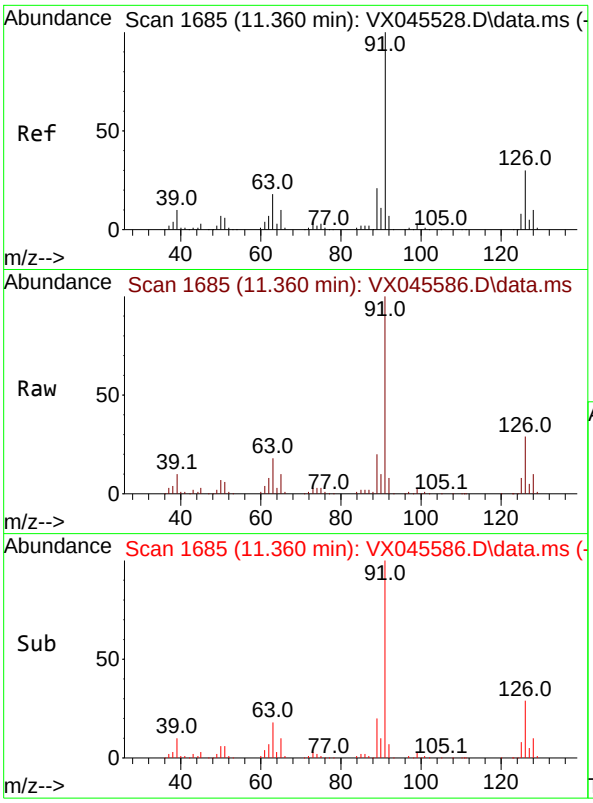


#78
n-propylbenzene
Concen: 54.351 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 91 Resp: 337878

Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.8	32.3





#79
2-Chlorotoluene
Concen: 51.314 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

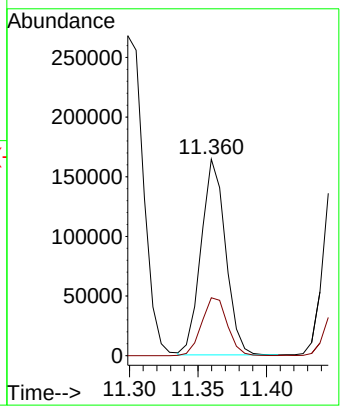
Tgt Ion: 91 Resp: 20393

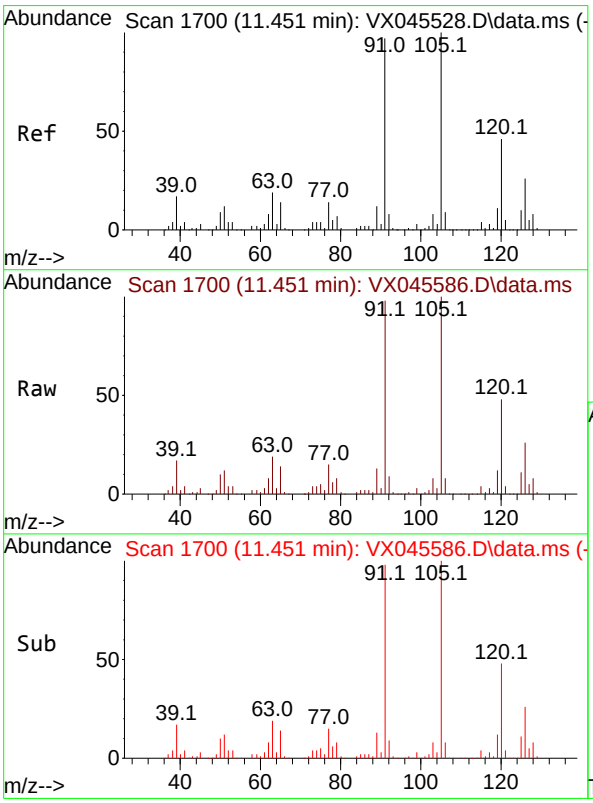
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

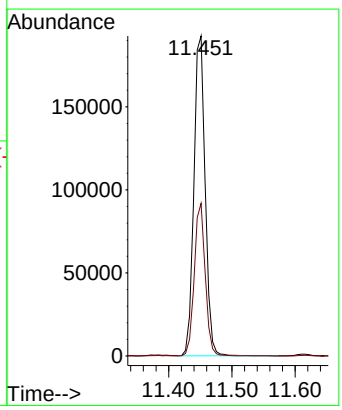


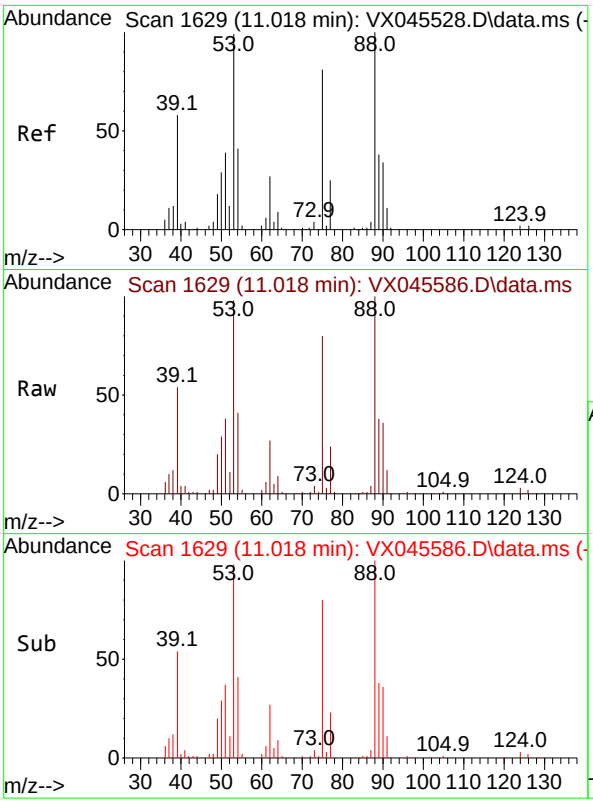


#80
1,3,5-Trimethylbenzene
Concen: 53.712 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:105 Resp: 239716

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 52.135 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

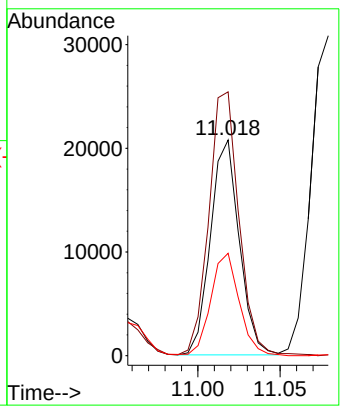
Tgt Ion: 75 Resp: 2524

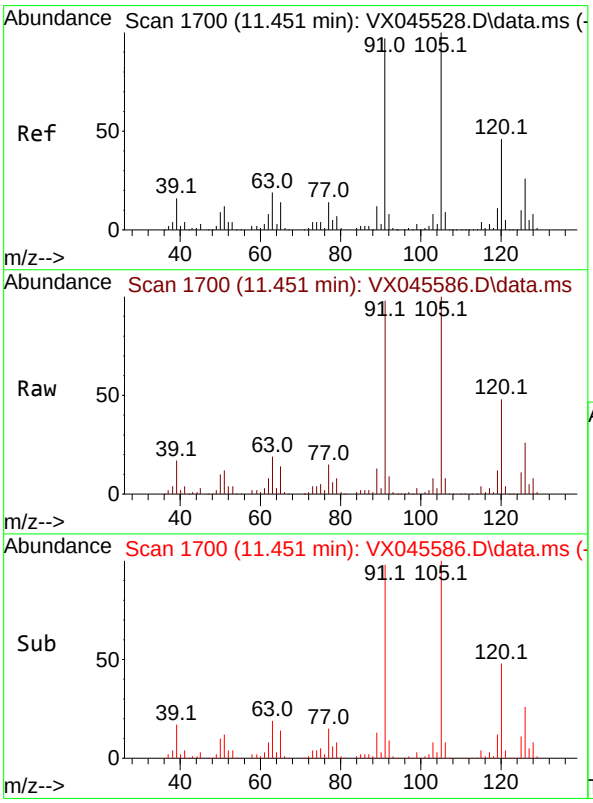
Ion	Ratio	Lower	Upper
75	100		
53	128.6	101.8	152.6
89	47.2	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

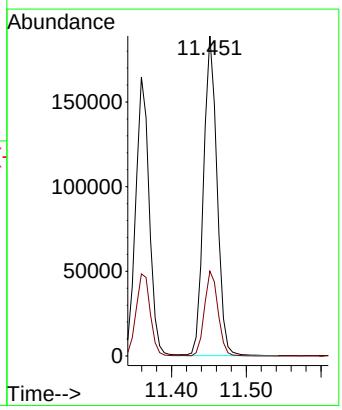


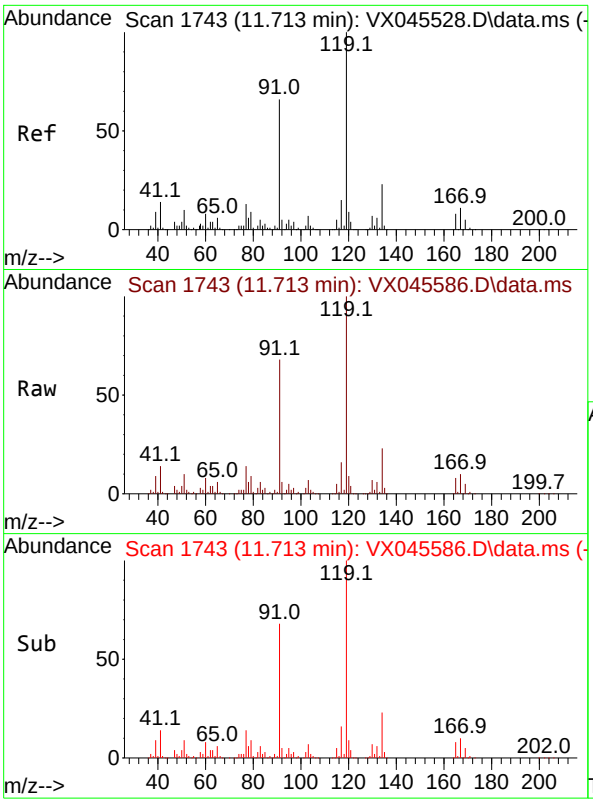


#82
4-Chlorotoluene
Concen: 53.128 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 91 Resp: 235414

Ion	Ratio	Lower	Upper
91	100		
126	26.8	13.3	39.9

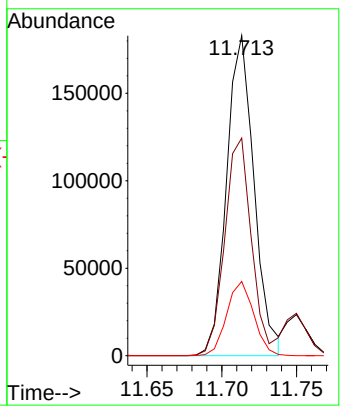




#83
tert-Butylbenzene
Concen: 53.024 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:119 Resp: 23428

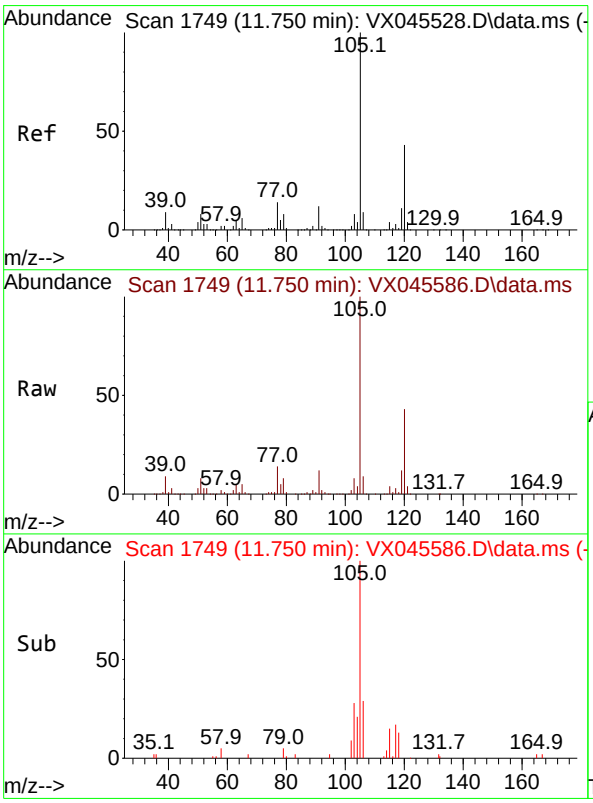
Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.4	97.2
134	22.8	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

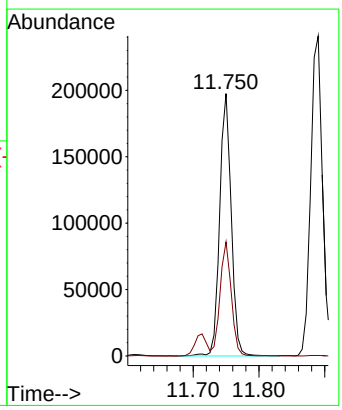
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

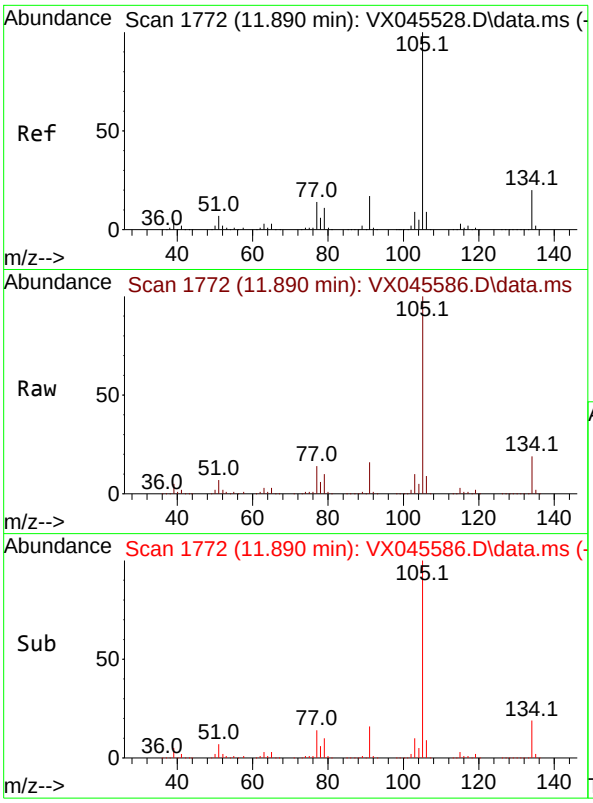


#84
1,2,4-Trimethylbenzene
Concen: 53.903 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:105 Resp: 241455

Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.4	64.3

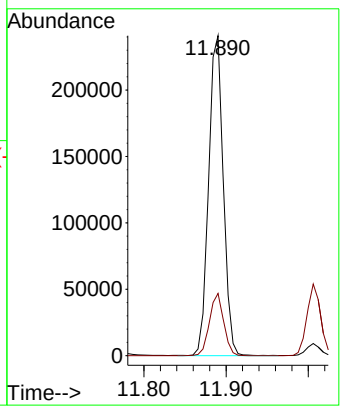




#85
sec-Butylbenzene
Concen: 54.969 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:105 Resp: 29831

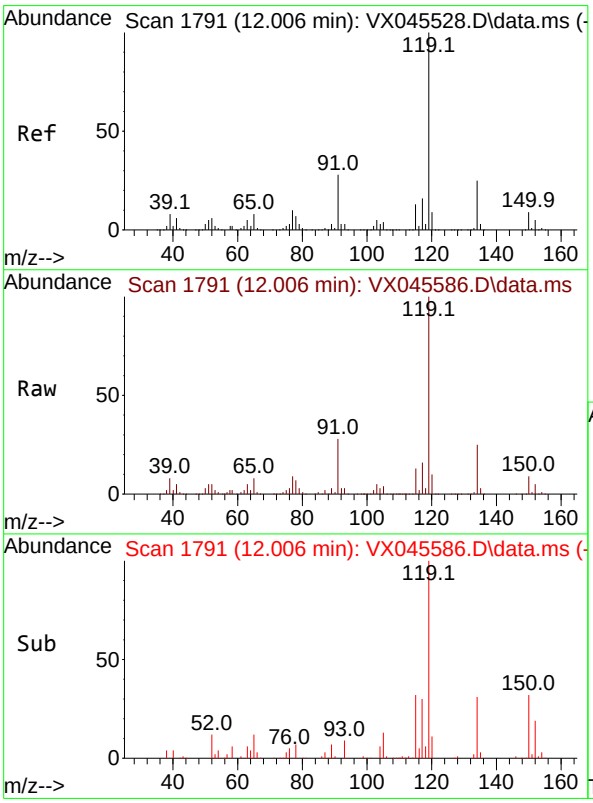
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

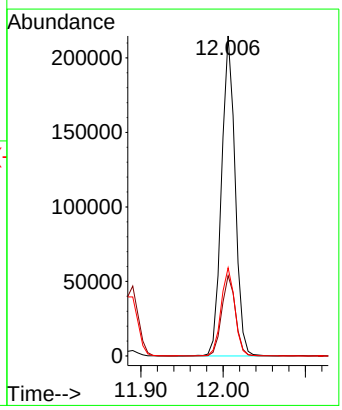
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

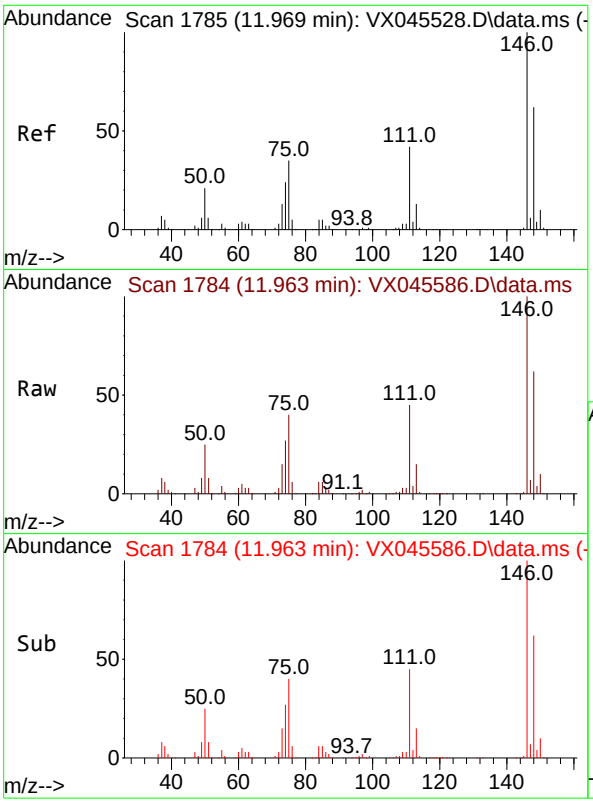


#86
p-Isopropyltoluene
Concen: 55.060 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:119 Resp: 246346

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.6	37.8
91	27.9	13.7	41.1





#87
1,3-Dichlorobenzene
Concen: 51.535 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

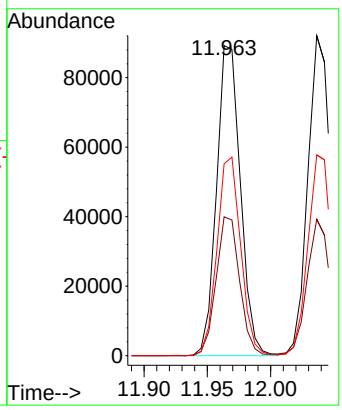
Tgt Ion:146 Resp: 11698

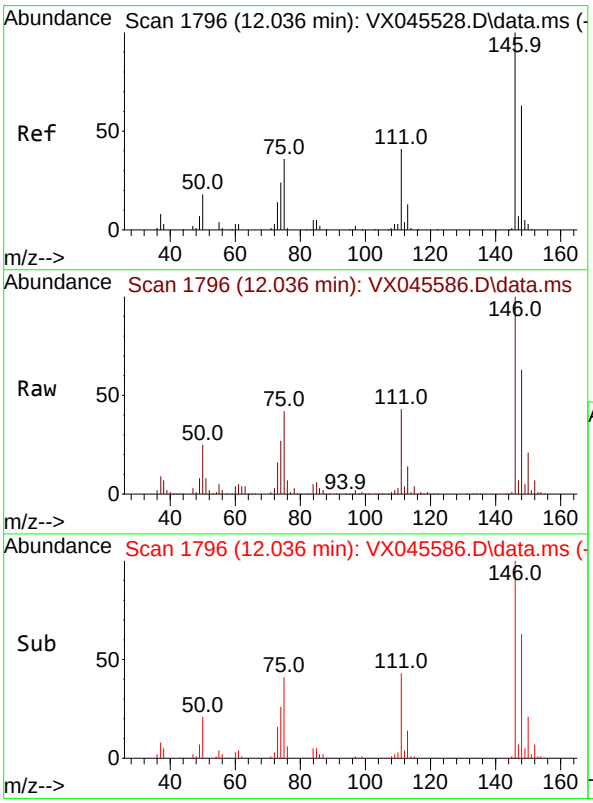
Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	63.6	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

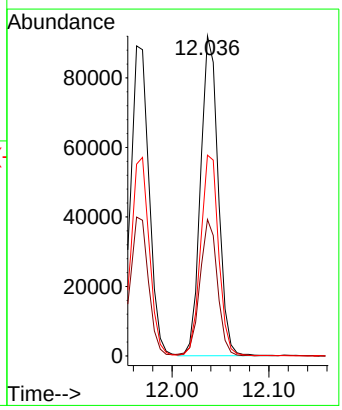


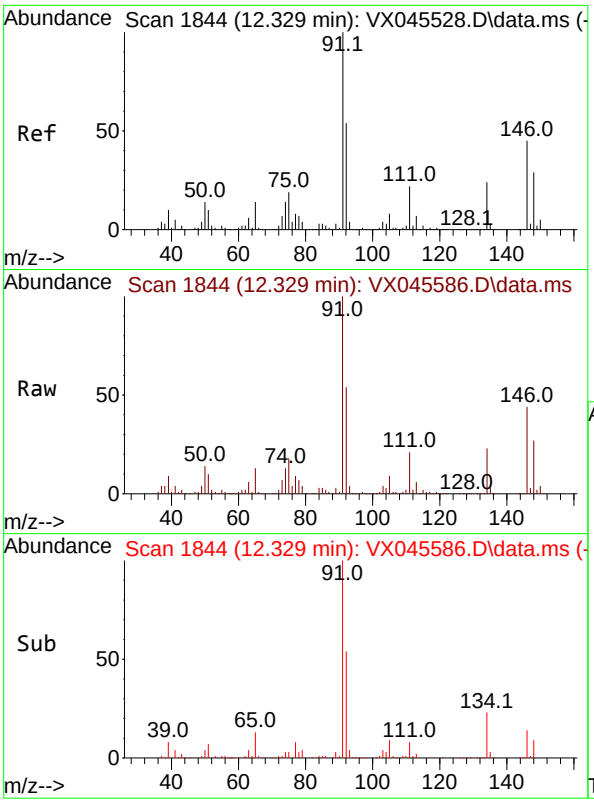


#88
1,4-Dichlorobenzene
Concen: 50.768 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:146 Resp: 116831

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	64.5	31.5	94.5





#89
n-Butylbenzene
Concen: 57.557 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

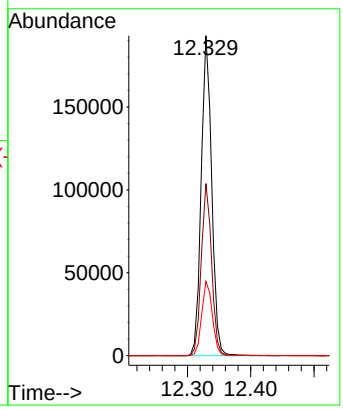
Tgt Ion: 91 Resp: 22331

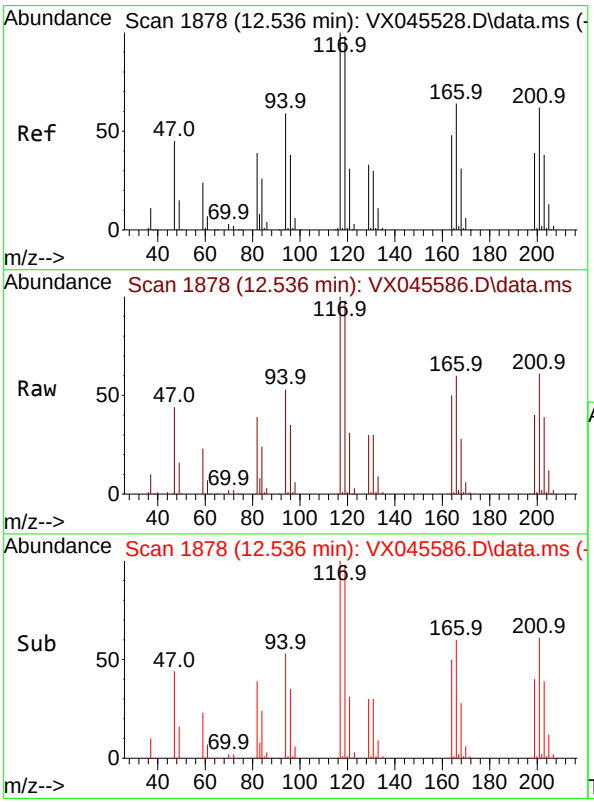
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.6
134	23.5	11.9	35.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

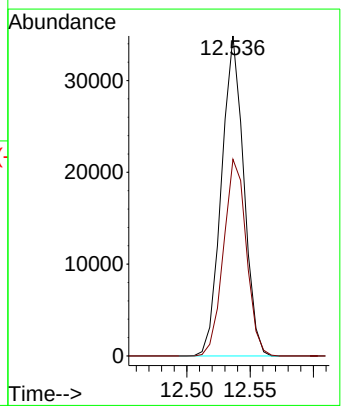


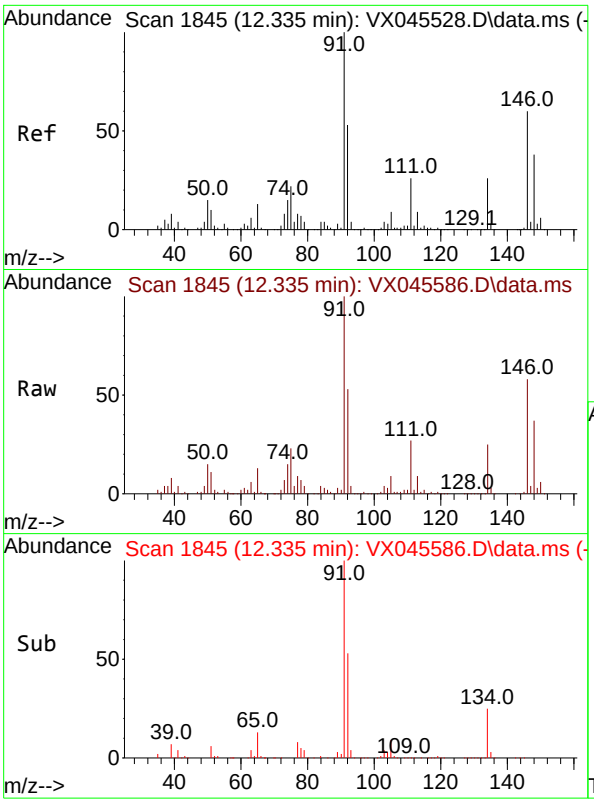


#90
Hexachloroethane
Concen: 55.342 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:117 Resp: 42554

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.2	93.6

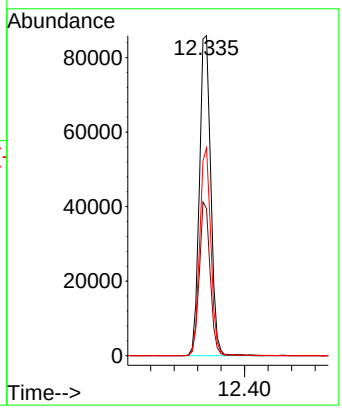




#91
1,2-Dichlorobenzene
Concen: 51.109 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:146 Resp: 11534

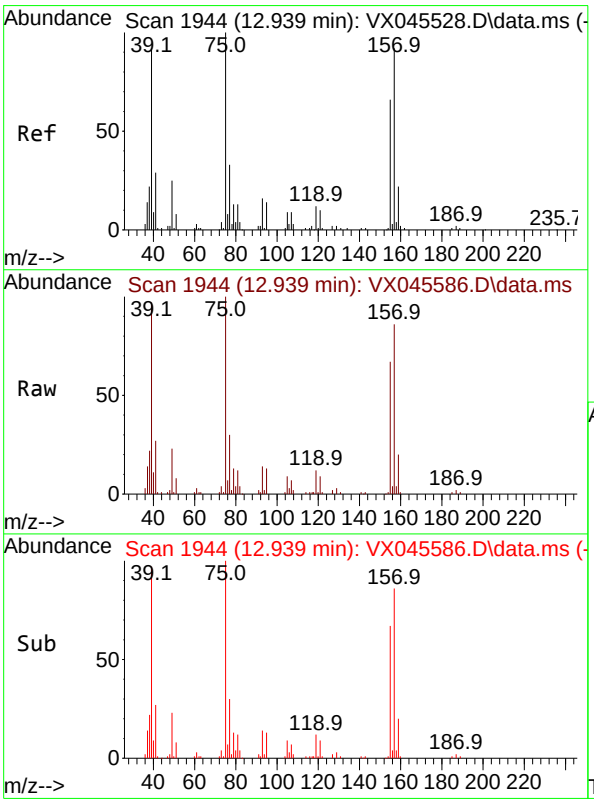
Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.9	68.8
148	63.7	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

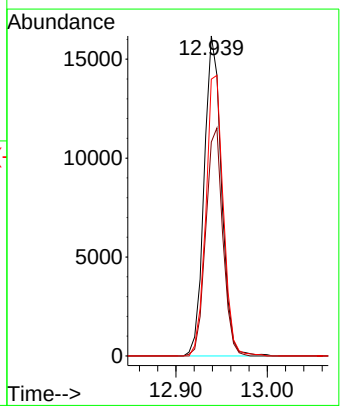
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

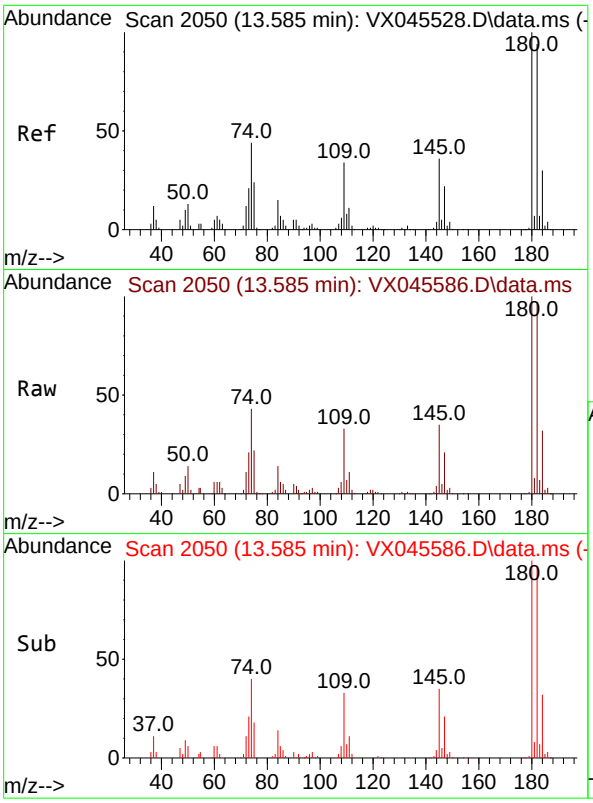


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.714 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion: 75 Resp: 21298

Ion	Ratio	Lower	Upper
75	100		
155	69.8	34.9	104.7
157	87.7	44.9	134.7

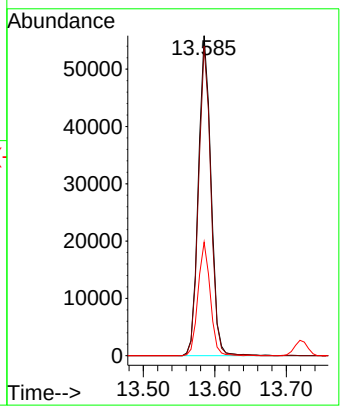




#93
1,2,4-Trichlorobenzene
Concen: 54.225 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:180 Resp: 6811

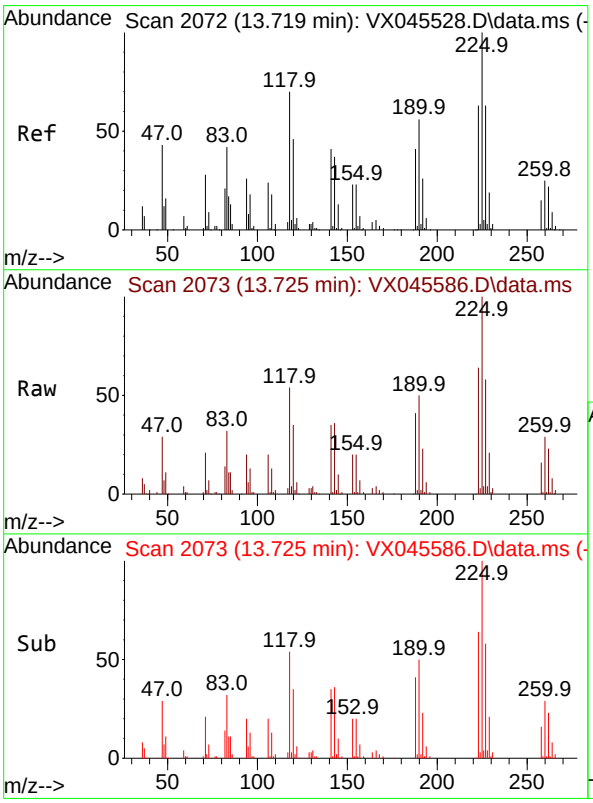
Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.6
145	34.2	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

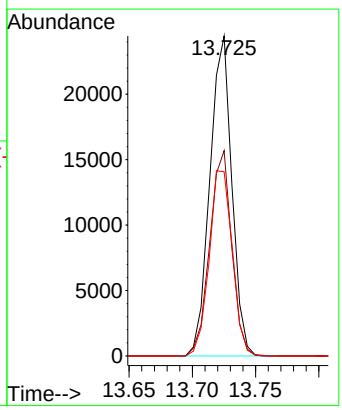
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

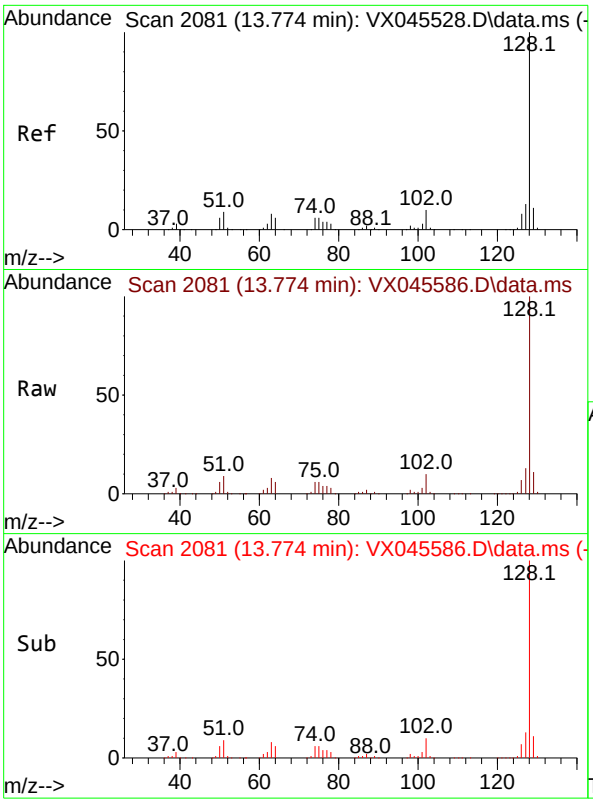


#94
Hexachlorobutadiene
Concen: 54.435 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:225 Resp: 29467

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.1	93.3
227	61.2	32.2	96.6

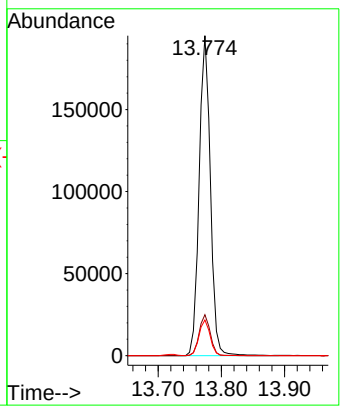




#95
Naphthalene
Concen: 51.558 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:128 Resp: 24102

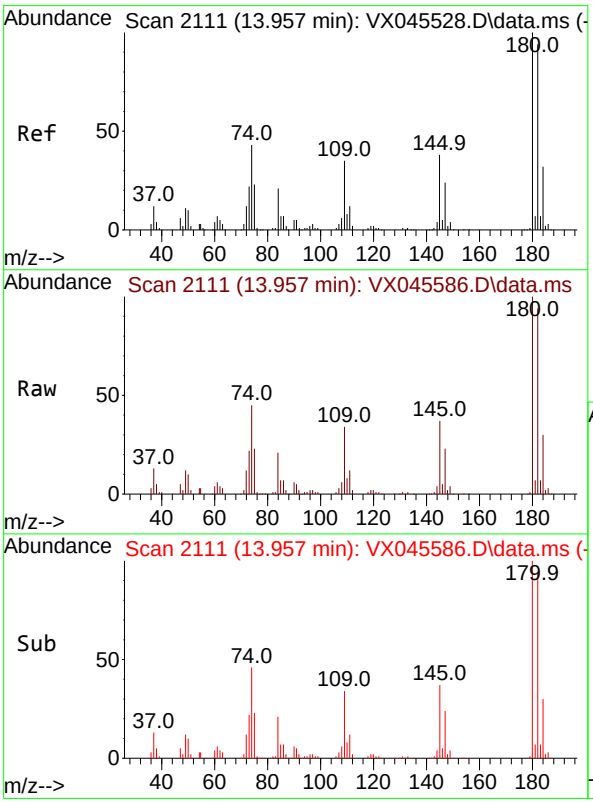
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.1	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

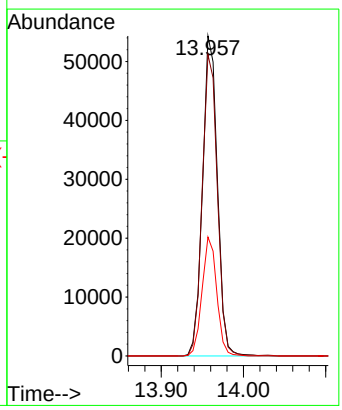
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.875 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045586.D
Acq: 04 Apr 2025 10:00

Tgt Ion:180 Resp: 68237

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.8
145	36.7	18.2	54.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045586.D
Acq On : 04 Apr 2025 10:00
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 04 23:10:00 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	-0.01
2	T	Dichlorodifluoromethane	0.748	0.843	-12.7	104	0.00
3	P	Chloromethane	0.768	0.797	-3.8	103	0.00
4	C	Vinyl Chloride	0.703	0.731	-4.0#	103	0.00
5	T	Bromomethane	0.333	0.328	1.5	100	0.00
6	T	Chloroethane	0.373	0.393	-5.4	100	0.00
7	T	Trichlorofluoromethane	1.048	1.105	-5.4	103	0.00
8	T	Diethyl Ether	0.352	0.350	0.6	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.614	0.658	-7.2	107	0.00
10	T	Methyl Iodide	0.766	0.770	-0.5	97	0.00
11	T	Tert butyl alcohol	0.123	0.118	4.1	94	0.00
12	CM	1,1-Dichloroethene	0.600	0.599	0.2#	100	0.00
13	T	Acrolein	0.169	0.199	-17.8	121	0.00
14	T	Allyl chloride	1.139	1.176	-3.2	101	0.00
15	T	Acrylonitrile	0.388	0.386	0.5	96	0.00
16	T	Acetone	0.375	0.368	1.9	99	0.00
17	T	Carbon Disulfide	1.483	1.500	-1.1	98	0.00
18	T	Methyl Acetate	0.864	0.855	1.0	101	0.00
19	T	Methyl tert-butyl Ether	2.100	2.104	-0.2	100	0.00
20	T	Methylene Chloride	0.703	0.694	1.3	99	0.00
21	T	trans-1,2-Dichloroethene	0.613	0.609	0.7	99	0.00
22	T	Diisopropyl ether	2.243	2.282	-1.7	101	0.00
23	T	Vinyl Acetate	1.938	2.017	-4.1	98	0.00
24	P	1,1-Dichloroethane	1.269	1.270	-0.1	101	0.00
25	T	2-Butanone	0.550	0.550	0.0	95	0.00
26	T	2,2-Dichloropropane	0.820	0.944	-15.1	113	0.00
27	T	cis-1,2-Dichloroethene	0.747	0.729	2.4	98	0.00
28	T	Bromochloromethane	0.613	0.609	0.7	103	-0.01
29	T	Tetrahydrofuran	0.356	0.348	2.2	95	0.00
30	C	Chloroform	1.306	1.315	-0.7#	101	0.00
31	T	Cyclohexane	1.122	1.136	-1.2	102	0.00
32	T	1,1,1-Trichloroethane	1.105	1.107	-0.2	101	0.00
33	S	1,2-Dichloroethane-d4	0.914	0.776	15.1	90	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.355	0.311	12.4	87	0.00
36	T	1,1-Dichloropropene	0.479	0.501	-4.6	100	0.00
37	T	Ethyl Acetate	0.604	0.619	-2.5	96	0.00
38	T	Carbon Tetrachloride	0.518	0.571	-10.2	103	0.00
39	T	Methylcyclohexane	0.587	0.660	-12.4	103	0.00
40	TM	Benzene	1.463	1.507	-3.0	99	0.00
41	T	Methacrylonitrile	0.318	0.359	-12.9	99	-0.01
42	TM	1,2-Dichloroethane	0.604	0.645	-6.8	101	0.00
43	T	Isopropyl Acetate	0.915	0.965	-5.5	96	0.00
44	TM	Trichloroethene	0.348	0.357	-2.6	99	0.00
45	C	1,2-Dichloropropane	0.365	0.383	-4.9#	99	0.00
46	T	Dibromomethane	0.280	0.291	-3.9	97	0.00
47	T	Bromodichloromethane	0.560	0.597	-6.6	101	0.00
48	T	Methyl methacrylate	0.472	0.509	-7.8	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045586.D
Acq On : 04 Apr 2025 10:00
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 04 23:10:00 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	87	0.00
50	S	Toluene-d8	1.238	1.079	12.8	86	0.00
51	T	4-Methyl-2-Pentanone	0.606	0.651	-7.4	95	0.00
52	CM	Toluene	0.885	0.927	-4.7#	99	0.00
53	T	t-1,3-Dichloropropene	0.467	0.527	-12.8	101	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.588	-11.8	101	0.00
55	T	1,1,2-Trichloroethane	0.353	0.370	-4.8	100	0.00
56	T	Ethyl methacrylate	0.546	0.584	-7.0	94	0.00
57	T	1,3-Dichloropropane	0.614	0.646	-5.2	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.276	0.283	-2.5	92	0.00
59	T	2-Hexanone	0.449	0.479	-6.7	95	0.00
60	T	Dibromochloromethane	0.385	0.423	-9.9	100	0.00
61	T	1,2-Dibromoethane	0.357	0.380	-6.4	99	0.00
62	S	4-Bromofluorobenzene	0.451	0.411	8.9	88	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.353	0.376	-6.5	102	0.00
65	PM	Chlorobenzene	1.068	1.133	-6.1	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.371	0.389	-4.9	99	0.00
67	C	Ethyl Benzene	1.914	2.093	-9.4#	99	0.00
68	T	m/p-Xylenes	0.696	0.763	-9.6	99	0.00
69	T	o-Xylene	0.686	0.746	-8.7	98	0.00
70	T	Styrene	1.132	1.265	-11.7	98	0.00
71	P	Bromoform	0.277	0.307	-10.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	4.005	4.282	-6.9	100	0.00
74	T	N-amyl acetate	1.916	1.993	-4.0	95	0.00
75	P	1,1,2,2-Tetrachloroethane	1.407	1.351	4.0	96	0.00
76	T	1,2,3-Trichloropropane	1.220	1.207	1.1	97	0.00
77	T	Bromobenzene	0.925	0.948	-2.5	99	0.00
78	T	n-propylbenzene	4.613	5.015	-8.7	100	0.00
79	T	2-Chlorotoluene	2.949	3.027	-2.6	100	0.00
80	T	1,3,5-Trimethylbenzene	3.312	3.558	-7.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.375	-4.5	99	0.00
82	T	4-Chlorotoluene	3.288	3.494	-6.3	99	0.00
83	T	tert-Butylbenzene	3.279	3.477	-6.0	99	0.00
84	T	1,2,4-Trimethylbenzene	3.324	3.584	-7.8	100	0.00
85	T	sec-Butylbenzene	4.027	4.427	-9.9	101	0.00
86	T	p-Isopropyltoluene	3.320	3.656	-10.1	102	0.00
87	T	1,3-Dichlorobenzene	1.684	1.736	-3.1	100	0.00
88	T	1,4-Dichlorobenzene	1.708	1.734	-1.5	100	0.00
89	T	n-Butylbenzene	2.879	3.314	-15.1	103	0.00
90	T	Hexachloroethane	0.571	0.632	-10.7	104	0.00
91	T	1,2-Dichlorobenzene	1.675	1.712	-2.2	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.294	0.316	-7.5	98	0.00
93	T	1,2,4-Trichlorobenzene	0.932	1.011	-8.5	105	0.00
94	T	Hexachlorobutadiene	0.402	0.437	-8.7	106	0.00
95	T	Naphthalene	3.469	3.577	-3.1	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045586.D
Acq On : 04 Apr 2025 10:00
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 04 23:10:00 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	1.013	-3.8	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045586.D
Acq On : 04 Apr 2025 10:00
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 04 23:10:00 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	-0.01
2	T	Dichlorodifluoromethane	50.000	56.382	-12.8	104	0.00
3	P	Chloromethane	50.000	51.883	-3.8	103	0.00
4	C	Vinyl Chloride	50.000	51.962	-3.9#	103	0.00
5	T	Bromomethane	50.000	49.218	1.6	100	0.00
6	T	Chloroethane	50.000	52.626	-5.3	100	0.00
7	T	Trichlorofluoromethane	50.000	52.688	-5.4	103	0.00
8	T	Diethyl Ether	50.000	49.704	0.6	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.591	-7.2	107	0.00
10	T	Methyl Iodide	50.000	50.258	-0.5	97	0.00
11	T	Tert butyl alcohol	250.000	239.188	4.3	94	0.00
12	CM	1,1-Dichloroethene	50.000	49.883	0.2#	100	0.00
13	T	Acrolein	250.000	294.566	-17.8	121	0.00
14	T	Allyl chloride	50.000	51.619	-3.2	101	0.00
15	T	Acrylonitrile	250.000	248.485	0.6	96	0.00
16	T	Acetone	250.000	245.130	1.9	99	0.00
17	T	Carbon Disulfide	50.000	50.605	-1.2	98	0.00
18	T	Methyl Acetate	50.000	49.477	1.0	101	0.00
19	T	Methyl tert-butyl Ether	50.000	50.091	-0.2	100	0.00
20	T	Methylene Chloride	50.000	49.375	1.3	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.659	0.7	99	0.00
22	T	Diisopropyl ether	50.000	50.863	-1.7	101	0.00
23	T	Vinyl Acetate	250.000	260.190	-4.1	98	0.00
24	P	1,1-Dichloroethane	50.000	50.059	-0.1	101	0.00
25	T	2-Butanone	250.000	250.017	-0.0	95	0.00
26	T	2,2-Dichloropropane	50.000	57.558	-15.1	113	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.765	2.5	98	0.00
28	T	Bromochloromethane	50.000	49.658	0.7	103	-0.01
29	T	Tetrahydrofuran	250.000	244.391	2.2	95	0.00
30	C	Chloroform	50.000	50.378	-0.8#	101	0.00
31	T	Cyclohexane	50.000	50.650	-1.3	102	0.00
32	T	1,1,1-Trichloroethane	50.000	50.113	-0.2	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	42.428	15.1	90	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	43.879	12.2	87	0.00
36	T	1,1-Dichloropropene	50.000	52.336	-4.7	100	0.00
37	T	Ethyl Acetate	50.000	51.305	-2.6	96	0.00
38	T	Carbon Tetrachloride	50.000	55.161	-10.3	103	0.00
39	T	Methylcyclohexane	50.000	56.163	-12.3	103	0.00
40	TM	Benzene	50.000	51.517	-3.0	99	0.00
41	T	Methacrylonitrile	50.000	56.425	-12.8	99	-0.01
42	TM	1,2-Dichloroethane	50.000	53.340	-6.7	101	0.00
43	T	Isopropyl Acetate	50.000	52.737	-5.5	96	0.00
44	TM	Trichloroethene	50.000	51.308	-2.6	99	0.00
45	C	1,2-Dichloropropane	50.000	52.514	-5.0#	99	0.00
46	T	Dibromomethane	50.000	52.011	-4.0	97	0.00
47	T	Bromodichloromethane	50.000	53.371	-6.7	101	0.00
48	T	Methyl methacrylate	50.000	53.861	-7.7	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045586.D
Acq On : 04 Apr 2025 10:00
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 04 23:10:00 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	972.308	2.8	87	0.00
50	S	Toluene-d8	50.000	43.586	12.8	86	0.00
51	T	4-Methyl-2-Pentanone	250.000	268.424	-7.4	95	0.00
52	CM	Toluene	50.000	52.369	-4.7#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	49.056	1.9	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.919	-11.8	101	0.00
55	T	1,1,2-Trichloroethane	50.000	52.506	-5.0	100	0.00
56	T	Ethyl methacrylate	50.000	53.447	-6.9	94	0.00
57	T	1,3-Dichloropropane	50.000	52.594	-5.2	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	256.573	-2.6	92	0.00
59	T	2-Hexanone	250.000	266.730	-6.7	95	0.00
60	T	Dibromochloromethane	50.000	55.012	-10.0	100	0.00
61	T	1,2-Dibromoethane	50.000	53.230	-6.5	99	0.00
62	S	4-Bromofluorobenzene	50.000	45.563	8.9	88	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	53.258	-6.5	102	0.00
65	PM	Chlorobenzene	50.000	53.041	-6.1	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.492	-5.0	99	0.00
67	C	Ethyl Benzene	50.000	54.700	-9.4#	99	0.00
68	T	m/p-Xylenes	100.000	109.636	-9.6	99	0.00
69	T	o-Xylene	50.000	54.386	-8.8	98	0.00
70	T	Styrene	50.000	55.886	-11.8	98	0.00
71	P	Bromoform	50.000	55.486	-11.0	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	53.453	-6.9	100	0.00
74	T	N-amyl acetate	50.000	52.015	-4.0	95	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.021	4.0	96	0.00
76	T	1,2,3-Trichloropropane	50.000	49.496	1.0	97	0.00
77	T	Bromobenzene	50.000	51.248	-2.5	99	0.00
78	T	n-propylbenzene	50.000	54.351	-8.7	100	0.00
79	T	2-Chlorotoluene	50.000	51.314	-2.6	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.712	-7.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.135	-4.3	99	0.00
82	T	4-Chlorotoluene	50.000	53.128	-6.3	99	0.00
83	T	tert-Butylbenzene	50.000	53.024	-6.0	99	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.903	-7.8	100	0.00
85	T	sec-Butylbenzene	50.000	54.969	-9.9	101	0.00
86	T	p-Isopropyltoluene	50.000	55.060	-10.1	102	0.00
87	T	1,3-Dichlorobenzene	50.000	51.535	-3.1	100	0.00
88	T	1,4-Dichlorobenzene	50.000	50.768	-1.5	100	0.00
89	T	n-Butylbenzene	50.000	57.557	-15.1	103	0.00
90	T	Hexachloroethane	50.000	55.342	-10.7	104	0.00
91	T	1,2-Dichlorobenzene	50.000	51.109	-2.2	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.714	-7.4	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.225	-8.5	105	0.00
94	T	Hexachlorobutadiene	50.000	54.435	-8.9	106	0.00
95	T	Naphthalene	50.000	51.558	-3.1	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045586.D
Acq On : 04 Apr 2025 10:00
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 04 23:10:00 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	51.875	-3.8	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

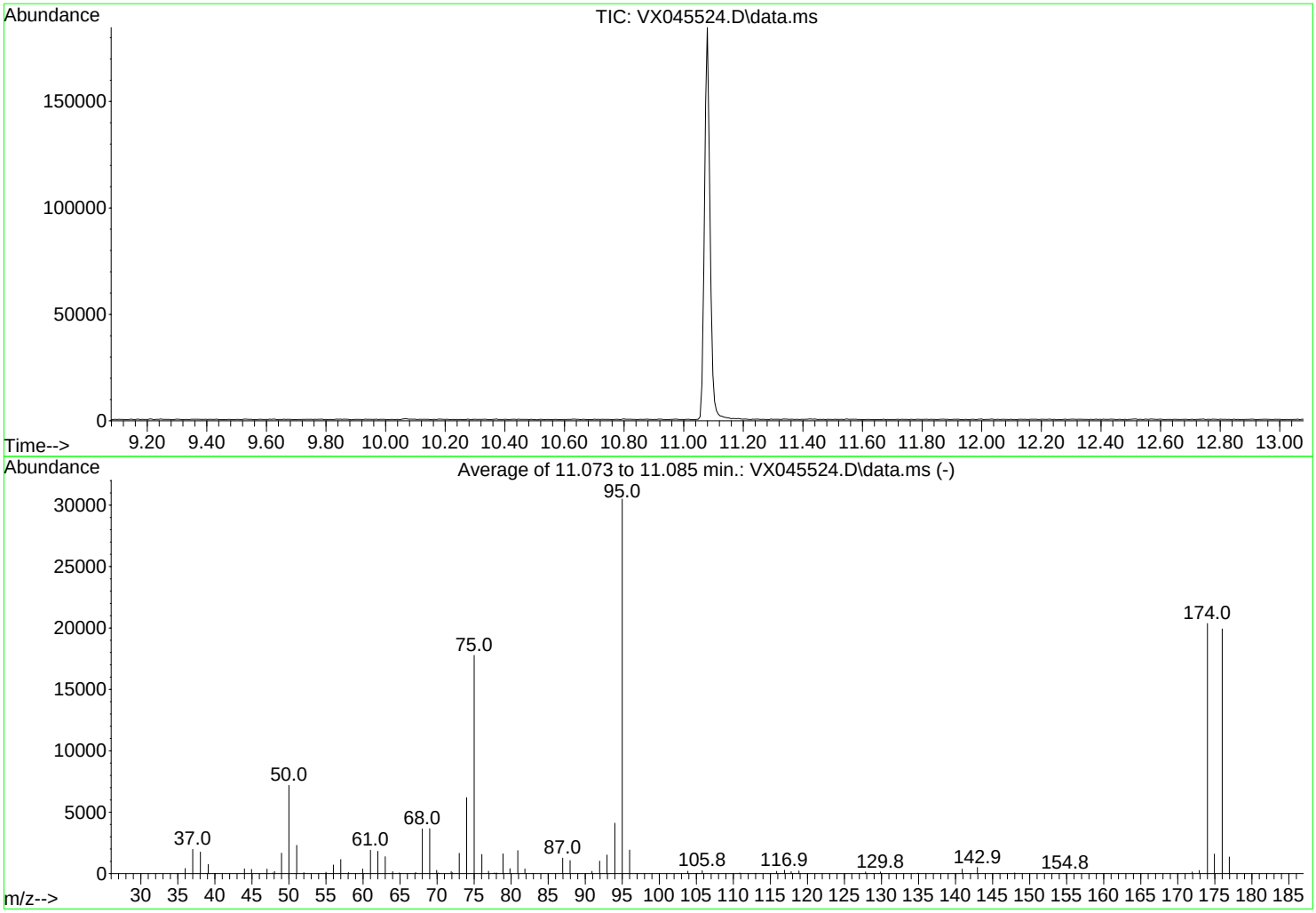
QC SAMPLE DATA

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

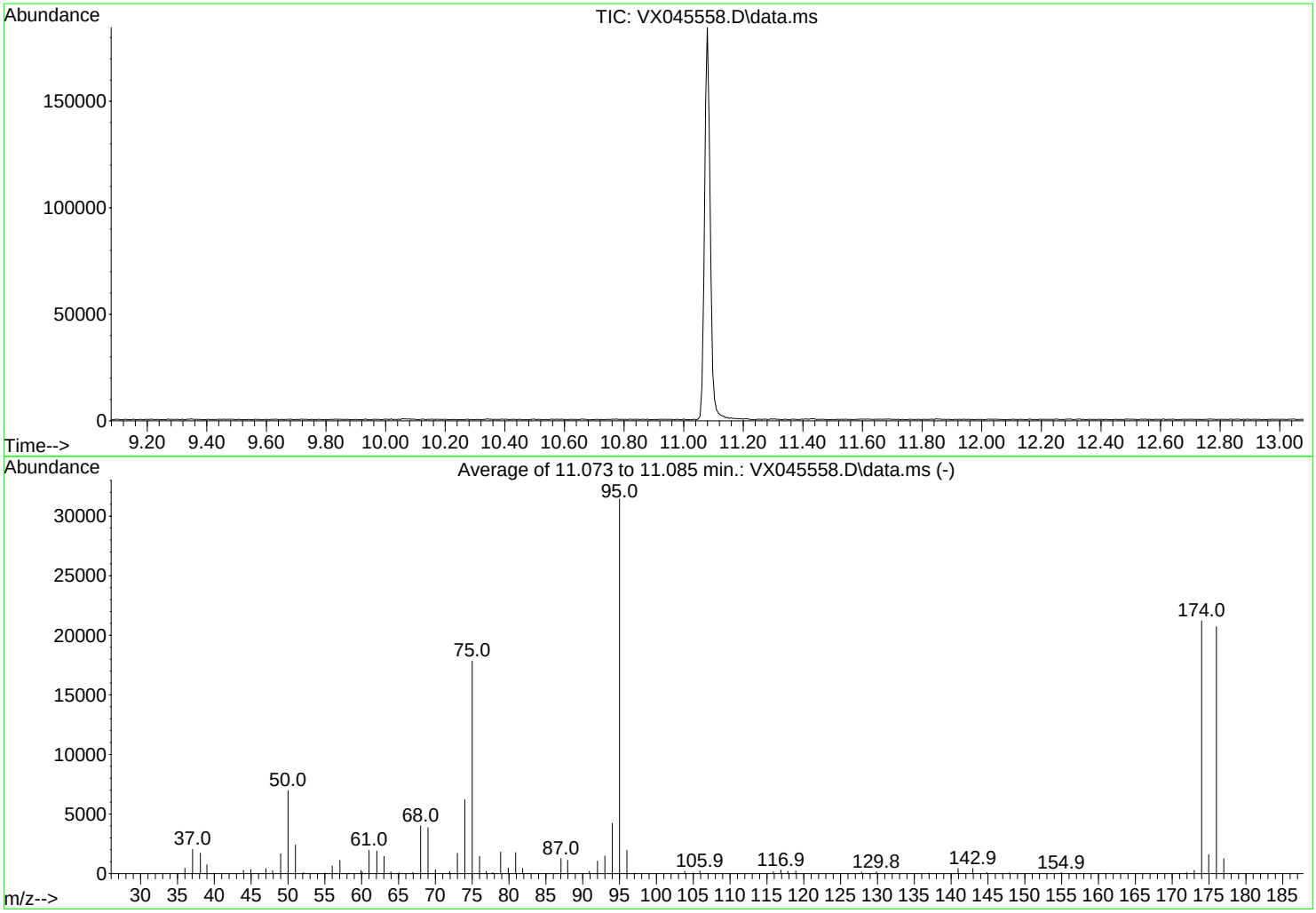
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.6	7184	PASS
75	95	30	60	58.2	17768	PASS
95	95	100	100	100.0	30504	PASS
96	95	5	9	6.3	1916	PASS
173	174	0.00	2	1.2	253	PASS
174	95	50	100	66.8	20365	PASS
175	174	5	9	7.8	1596	PASS
176	174	95	101	97.8	19923	PASS
177	176	5	9	6.8	1352	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045558.D
Acq On : 03 Apr 2025 10:01
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

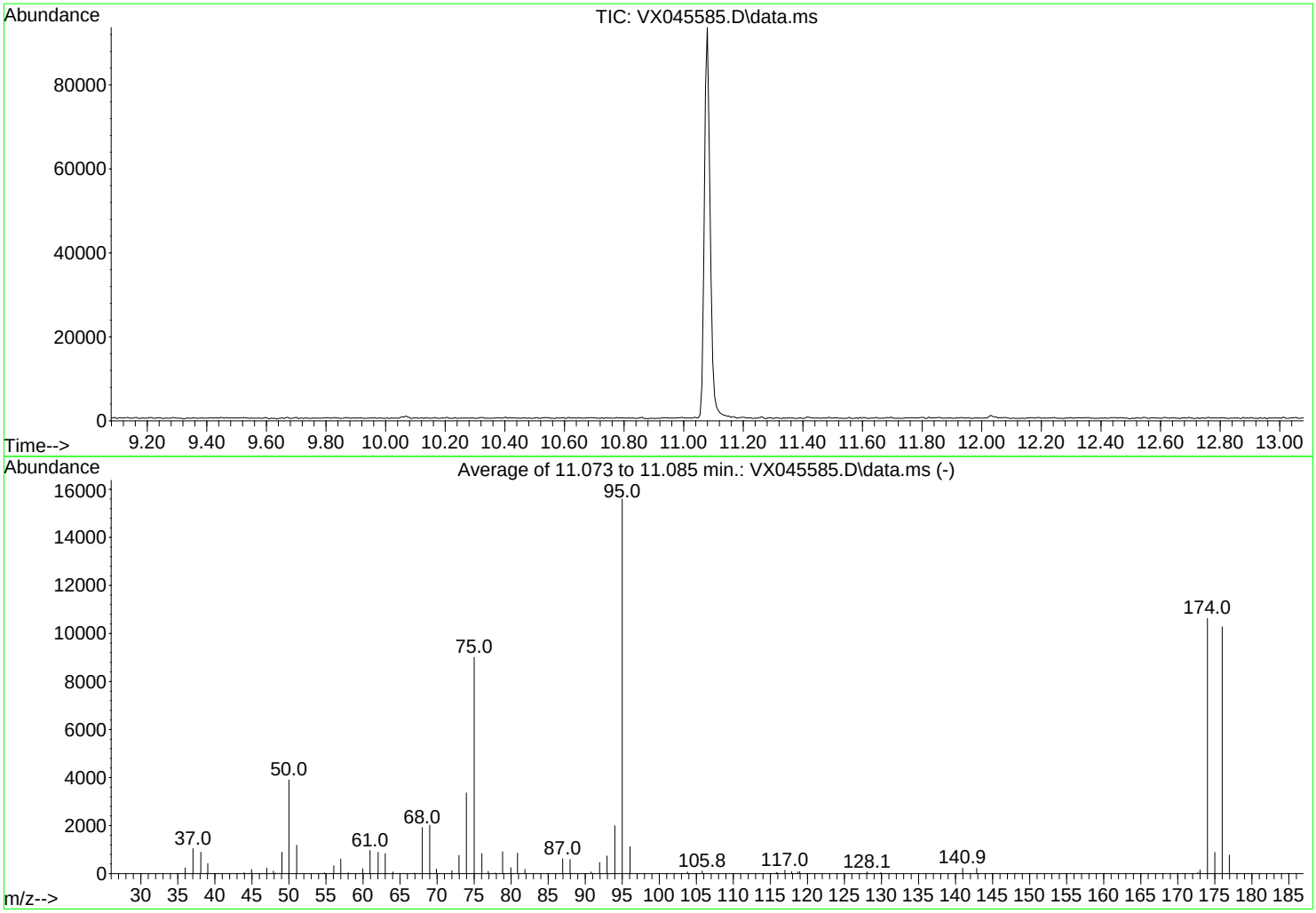
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	6965	PASS
75	95	30	60	56.7	17840	PASS
95	95	100	100	100.0	31443	PASS
96	95	5	9	6.2	1961	PASS
173	174	0.00	2	1.3	271	PASS
174	95	50	100	67.5	21221	PASS
175	174	5	9	7.5	1598	PASS
176	174	95	101	97.6	20720	PASS
177	176	5	9	6.1	1260	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045585.D
Acq On : 04 Apr 2025 09:31
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	25.0	3902	PASS
75	95	30	60	57.7	9007	PASS
95	95	100	100	100.0	15601	PASS
96	95	5	9	7.2	1124	PASS
173	174	0.00	2	1.4	148	PASS
174	95	50	100	68.1	10629	PASS
175	174	5	9	8.3	882	PASS
176	174	95	101	96.6	10272	PASS
177	176	5	9	7.5	768	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:	VX0403WBL01	SDG No.:	Q1711
Lab Sample ID:	VX0403WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045561.D	1		04/03/25 11:21	VX040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66300	5.55			
540-36-3	1,4-Difluorobenzene	126000	6.757			
3114-55-4	Chlorobenzene-d5	119000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	50100	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\VX040325\
Data File : VX045561.D
Acq On : 03 Apr 2025 11:21
Operator : JC/MD
Sample : VX0403WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBL01

Quant Time: Apr 04 01:18:45 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

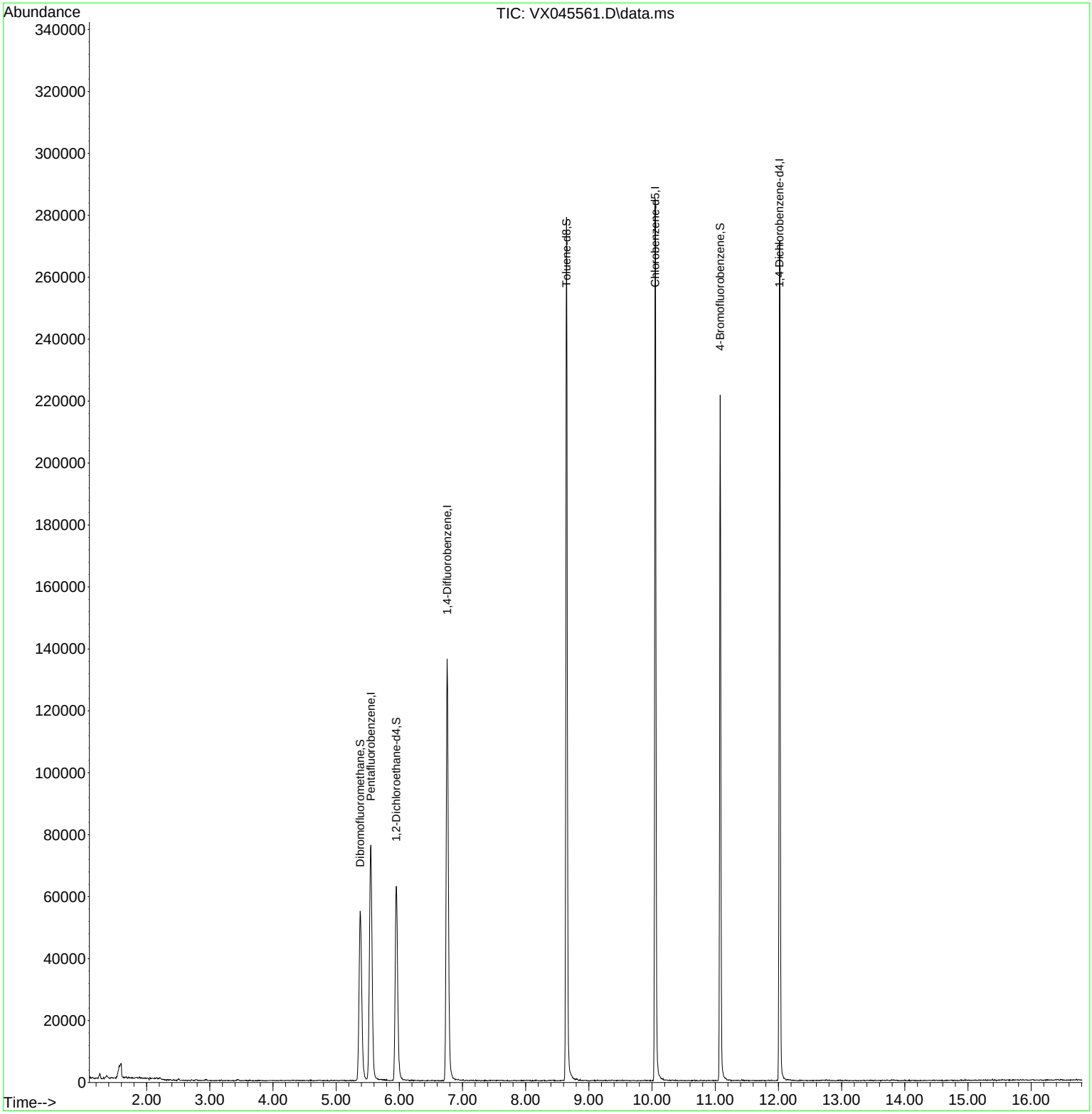
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	66309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126206	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64511	53.200	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.400%			
35) Dibromofluoromethane	5.379	113	47062	52.558	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.120%			
50) Toluene-d8	8.647	98	159136	50.917	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.840%			
62) 4-Bromofluorobenzene	11.079	95	58224	51.144	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.280%			
Target Compounds						Qvalue

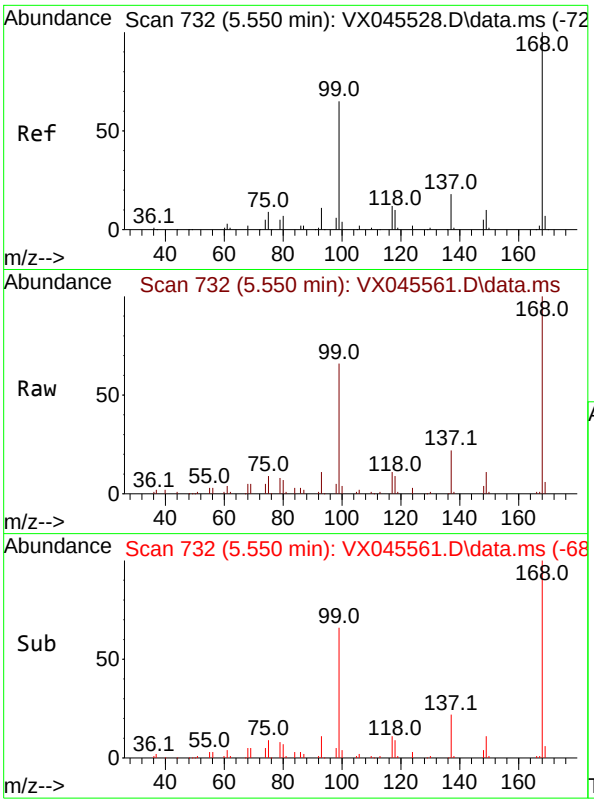
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045561.D
Acq On : 03 Apr 2025 11:21
Operator : JC/MD
Sample : VX0403WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBL01

Quant Time: Apr 04 01:18:45 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



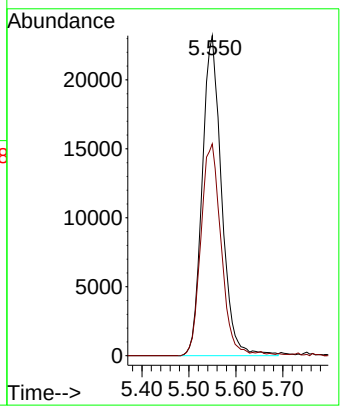


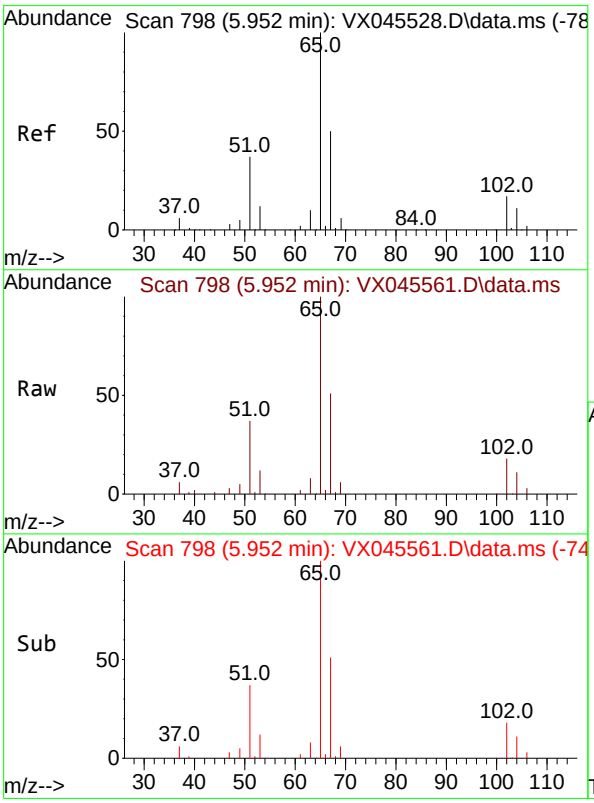
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045561.D
Acq: 03 Apr 2025 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBL01

Tgt Ion:168 Resp: 66309

Ion	Ratio	Lower	Upper
168	100		
99	66.2	52.3	78.5

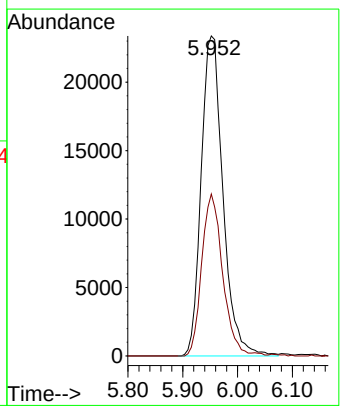


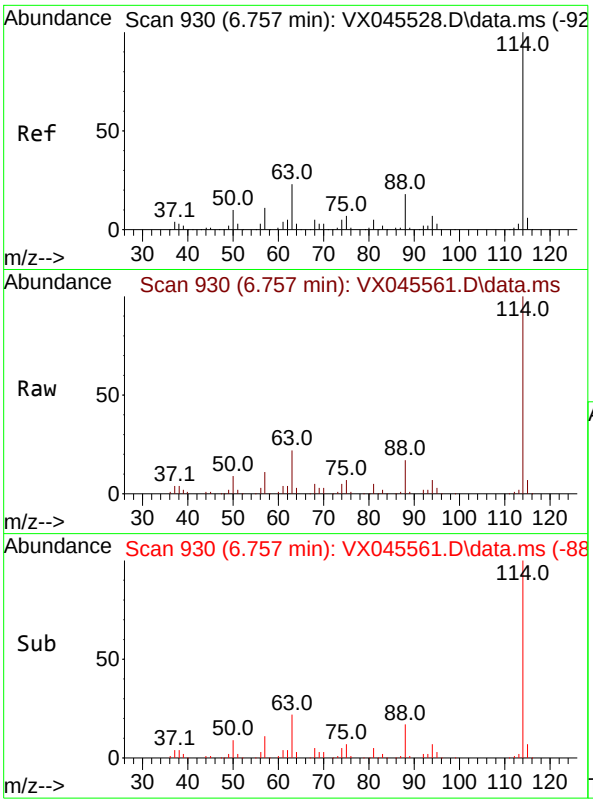


#33
1,2-Dichloroethane-d4
Concen: 53.200 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045561.D
Acq: 03 Apr 2025 11:21

Tgt Ion: 65 Resp: 64511

Ion	Ratio	Lower	Upper
65	100		
67	48.3	0.0	99.0



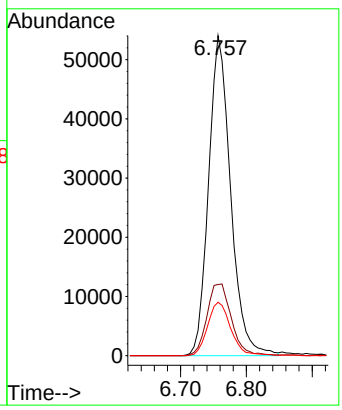


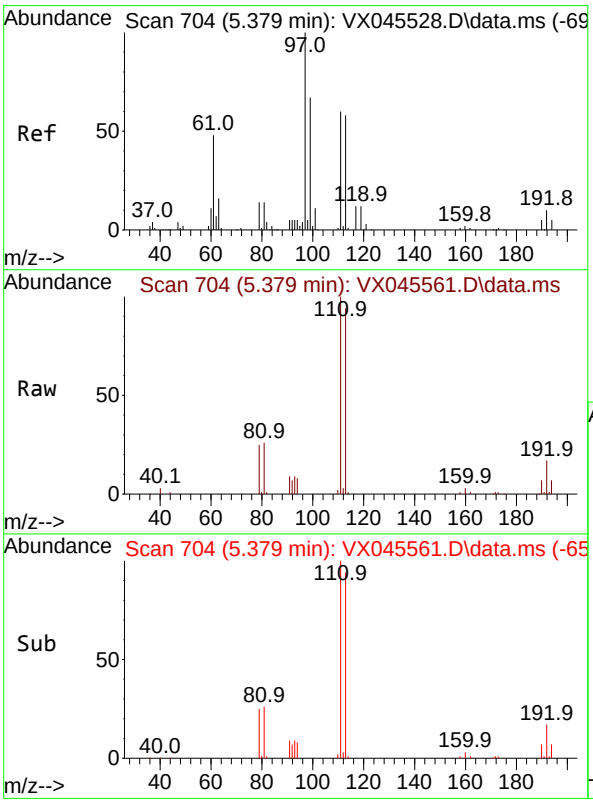
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045561.D
Acq: 03 Apr 2025 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBL01

Tgt Ion:114 Resp: 126206

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	46.8
88	16.7	0.0	35.4

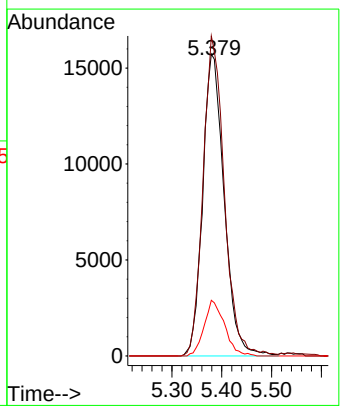


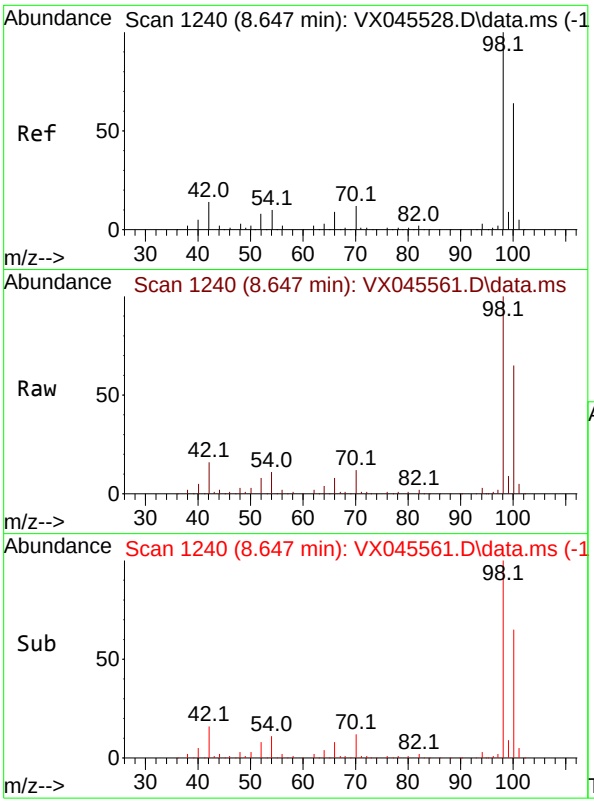


#35
Dibromofluoromethane
Concen: 52.558 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045561.D
Acq: 03 Apr 2025 11:21

Tgt Ion:113 Resp: 47062

Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.8	122.6
192	17.6	13.8	20.6



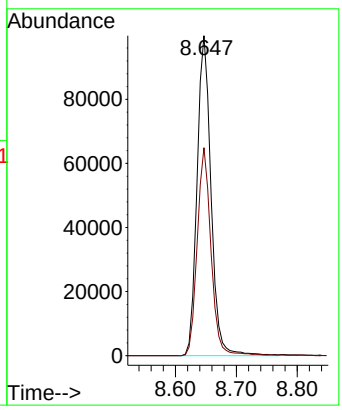


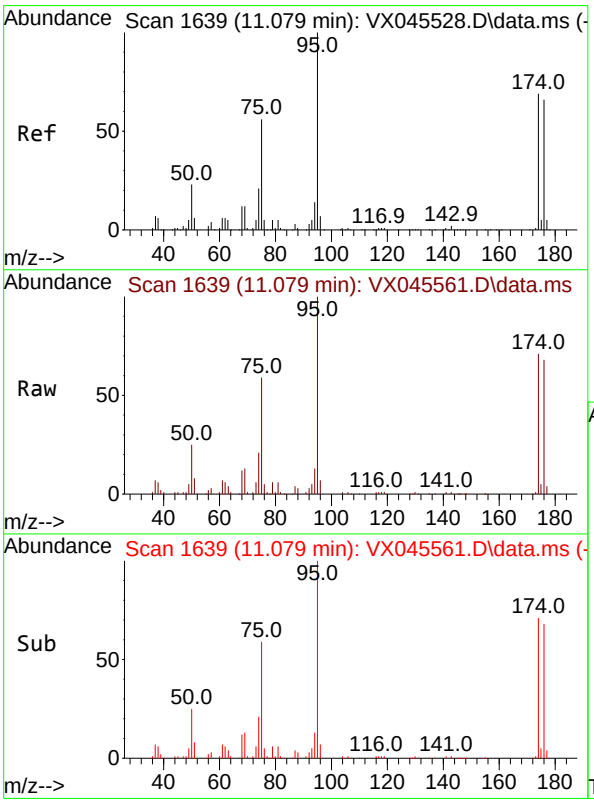
#50
Toluene-d8
Concen: 50.917 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045561.D
Acq: 03 Apr 2025 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBL01

Tgt Ion: 98 Resp: 159136

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.4

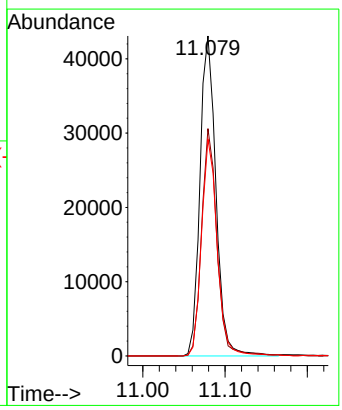


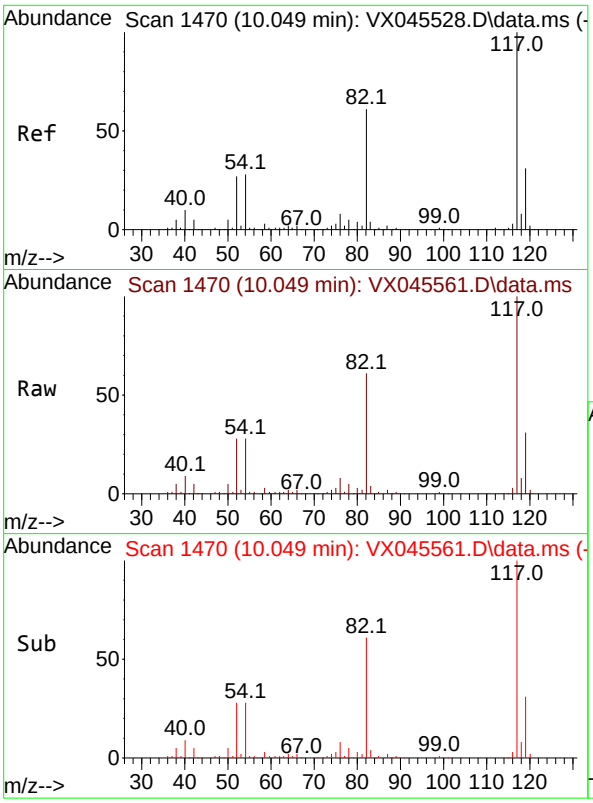


#62
4-Bromofluorobenzene
Concen: 51.144 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045561.D
Acq: 03 Apr 2025 11:21

Tgt Ion: 95 Resp: 58224

Ion	Ratio	Lower	Upper
95	100		
174	68.5	0.0	135.8
176	66.6	0.0	131.4



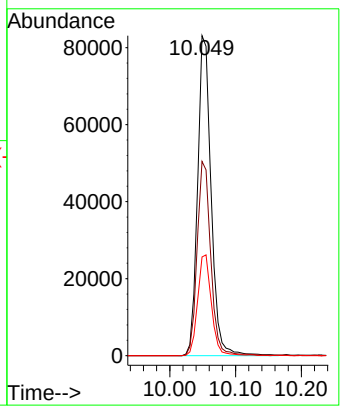


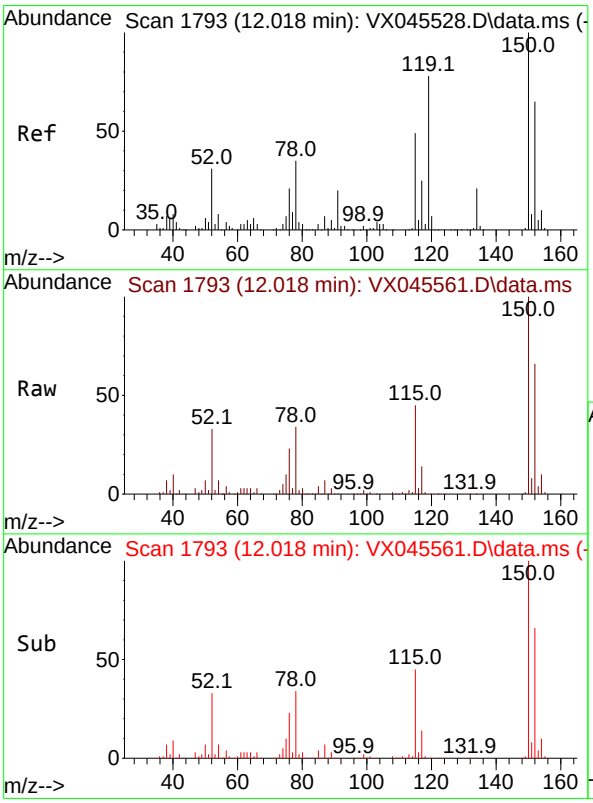
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045561.D
Acq: 03 Apr 2025 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBL01

Tgt Ion:117 Resp: 118586

Ion	Ratio	Lower	Upper
117	100		
82	60.7	49.2	73.8
119	30.8	25.1	37.7

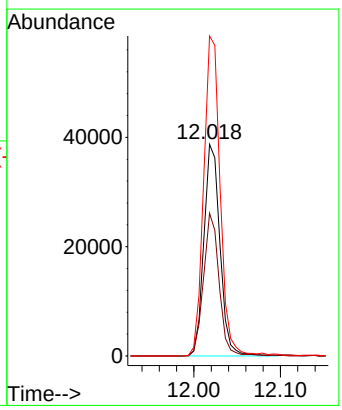




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045561.D
Acq: 03 Apr 2025 11:21

Tgt Ion:152 Resp: 50130

Ion	Ratio	Lower	Upper
152	100		
115	65.0	46.9	140.7
150	155.1	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:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0404WBL01	SDG No.:	Q1711
Lab Sample ID:	VX0404WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045588.D	1		04/04/25 10:51	VX040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.8		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66300	5.543			
540-36-3	1,4-Difluorobenzene	129000	6.757			
3114-55-4	Chlorobenzene-d5	118000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	46000	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\VX040425\
Data File : VX045588.D
Acq On : 04 Apr 2025 10:51
Operator : JC/MD
Sample : VX0404WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBL01

Quant Time: Apr 04 23:10:30 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

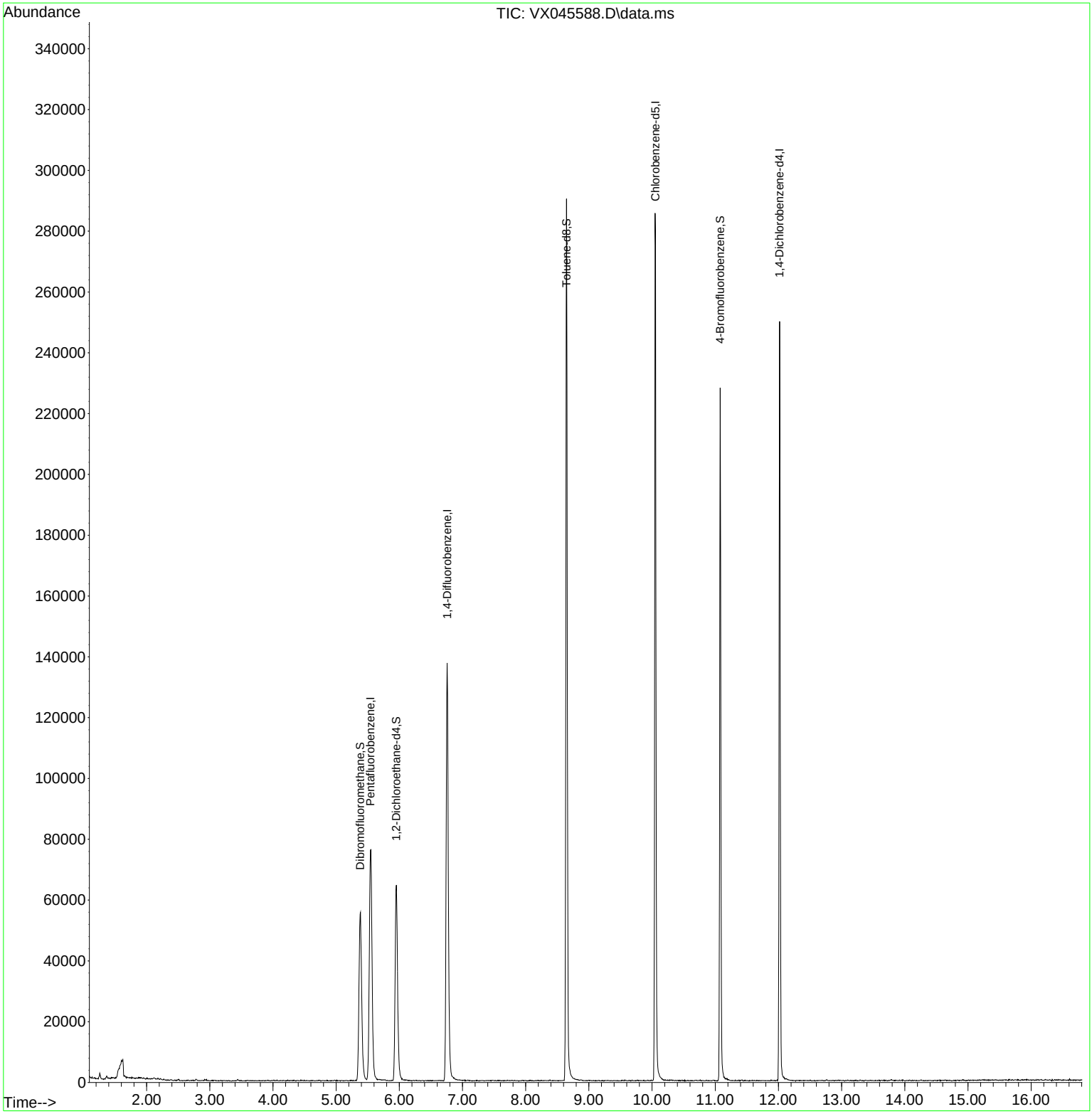
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	66301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128686	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66417	54.778	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.560%			
35) Dibromofluoromethane	5.379	113	47516	52.042	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.080%			
50) Toluene-d8	8.647	98	161989	50.831	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.660%			
62) 4-Bromofluorobenzene	11.079	95	57504	49.538	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.080%			
Target Compounds						Qvalue

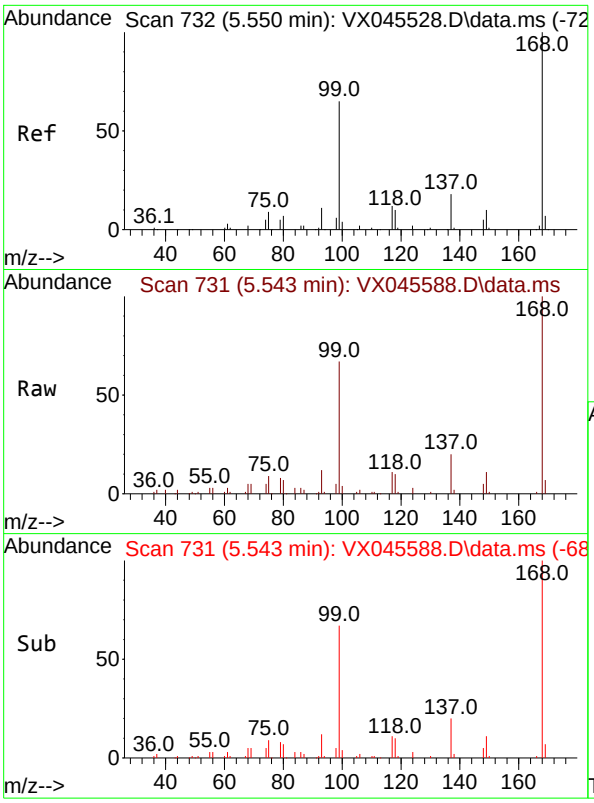
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045588.D
Acq On : 04 Apr 2025 10:51
Operator : JC/MD
Sample : VX0404WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBL01

Quant Time: Apr 04 23:10:30 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



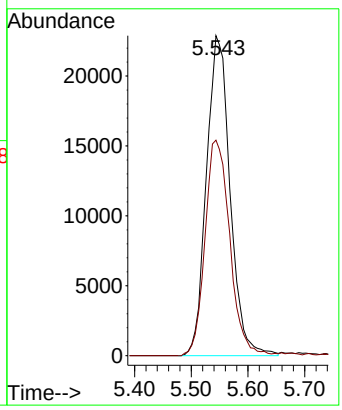


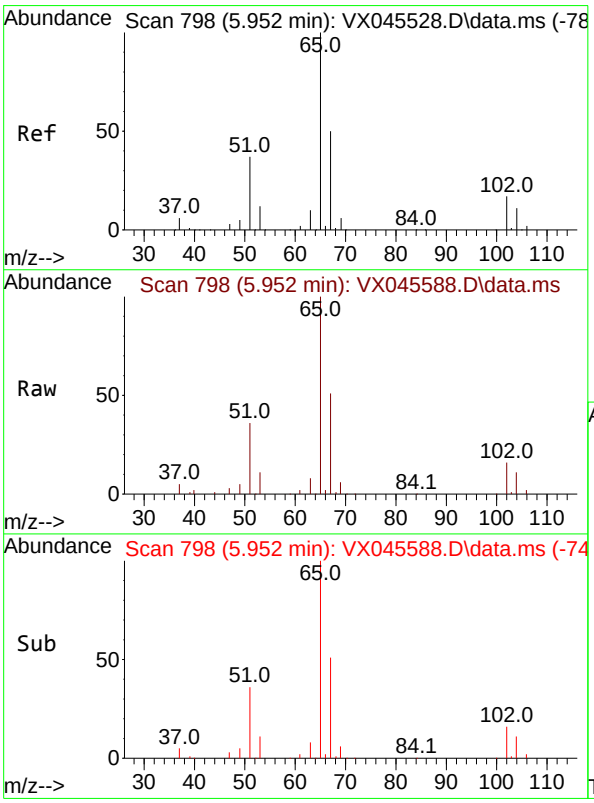
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045588.D
Acq: 04 Apr 2025 10:51

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBL01

Tgt Ion:168 Resp: 66301

Ion	Ratio	Lower	Upper
168	100		
99	67.3	52.3	78.5

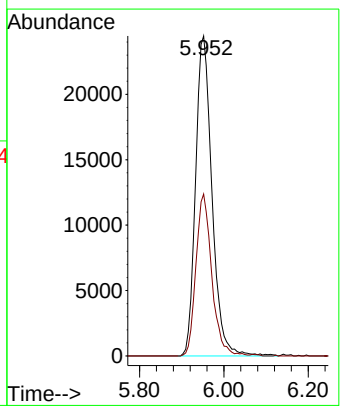


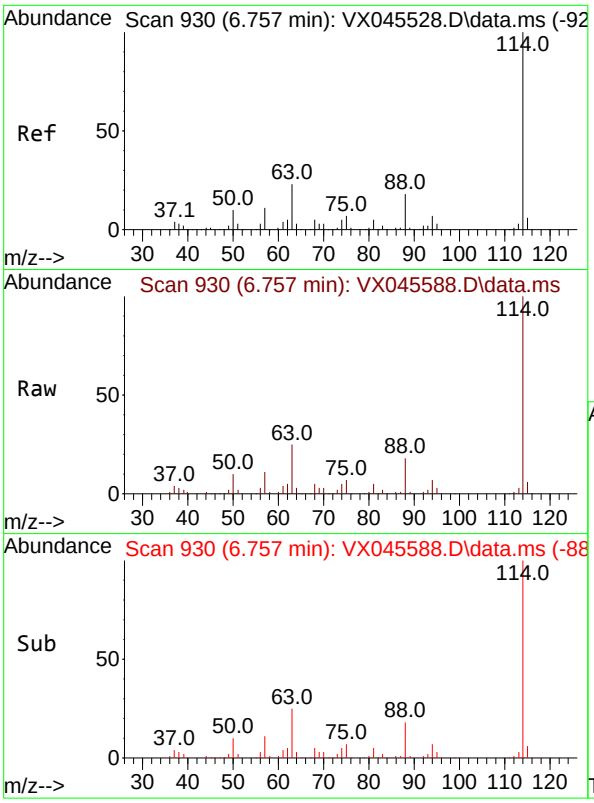


#33
1,2-Dichloroethane-d4
Concen: 54.778 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045588.D
Acq: 04 Apr 2025 10:51

Tgt Ion: 65 Resp: 66417

Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	99.0



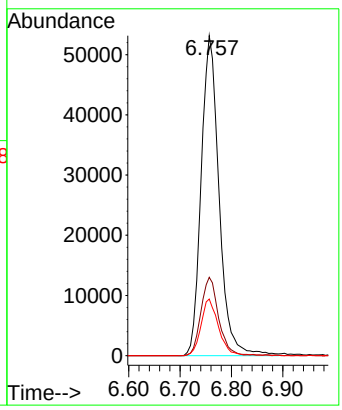


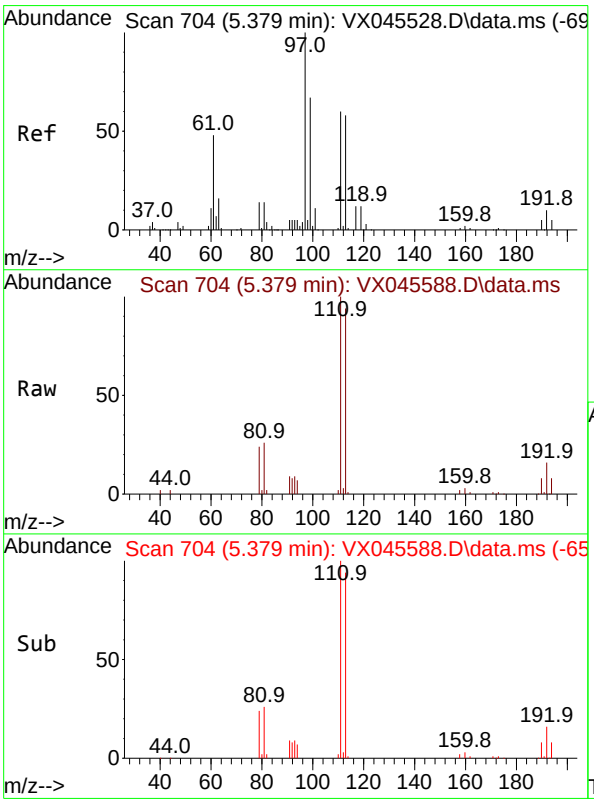
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045588.D
Acq: 04 Apr 2025 10:51

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBL01

Tgt Ion:114 Resp: 128686

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	46.8
88	17.7	0.0	35.4

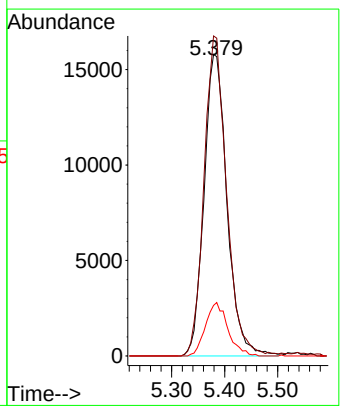


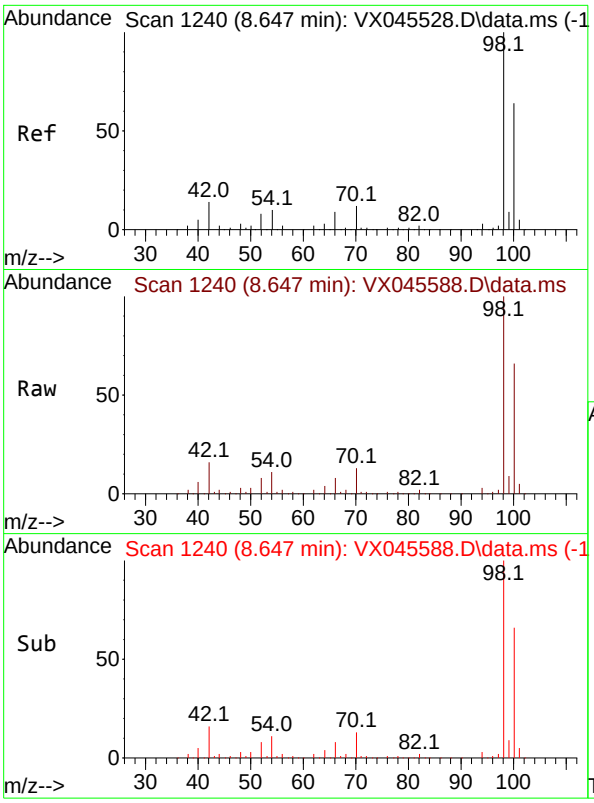


#35
Dibromofluoromethane
Concen: 52.042 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045588.D
Acq: 04 Apr 2025 10:51

Tgt Ion:113 Resp: 47516

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	17.3	13.8	20.6



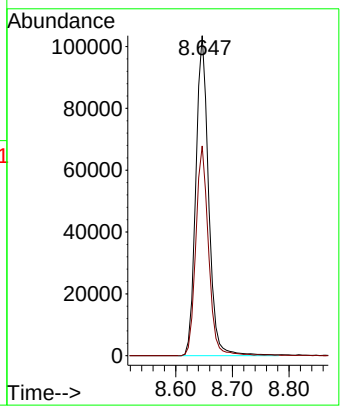


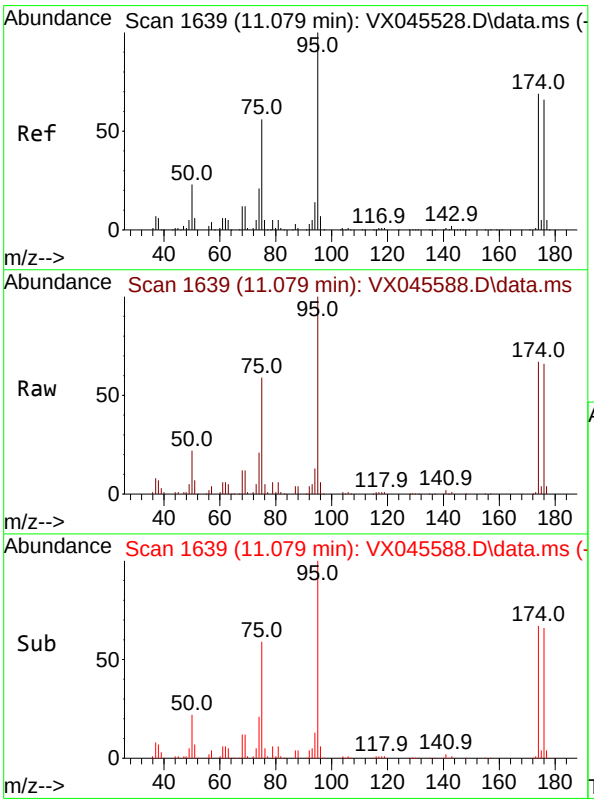
#50
Toluene-d8
Concen: 50.831 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045588.D
Acq: 04 Apr 2025 10:51

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBL01

Tgt Ion: 98 Resp: 161989

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.4

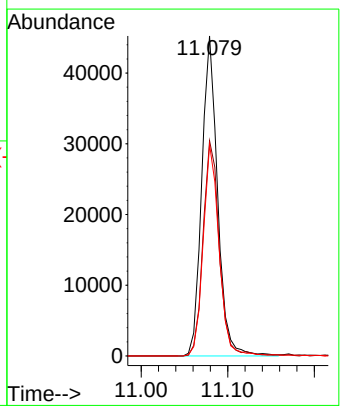


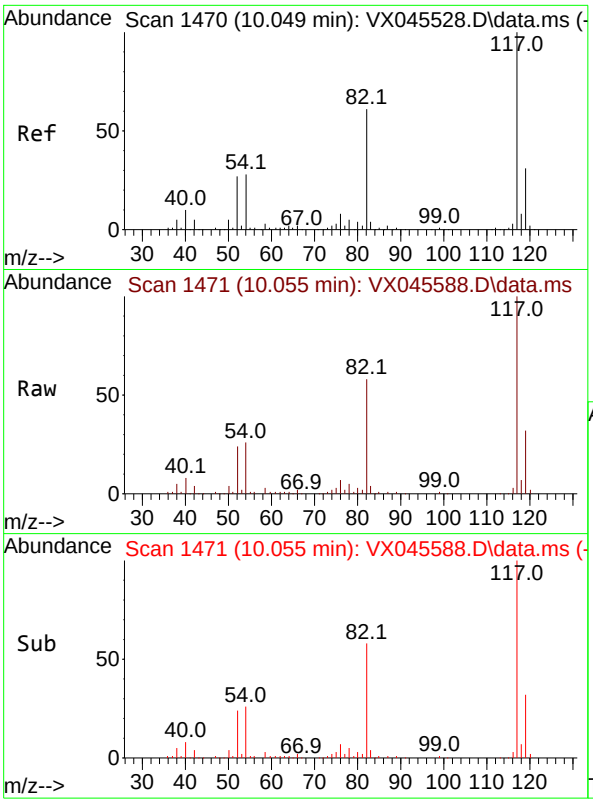


#62
4-Bromofluorobenzene
Concen: 49.538 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045588.D
Acq: 04 Apr 2025 10:51

Tgt Ion: 95 Resp: 57504

Ion	Ratio	Lower	Upper
95	100		
174	68.9	0.0	135.8
176	66.6	0.0	131.4



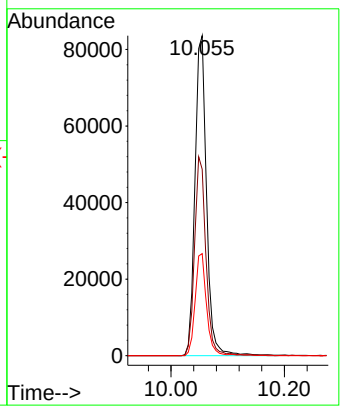


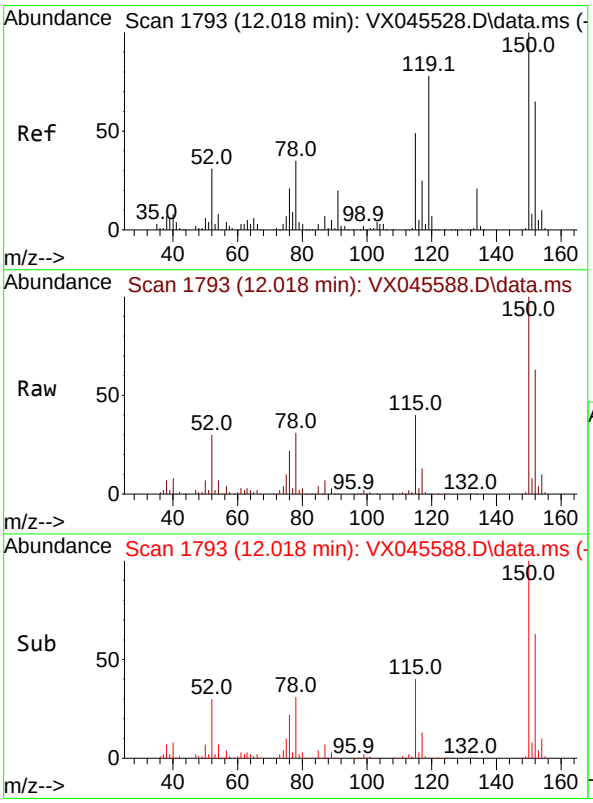
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045588.D
Acq: 04 Apr 2025 10:51

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBL01

Tgt Ion:117 Resp: 118182

Ion	Ratio	Lower	Upper
117	100		
82	58.3	49.2	73.8
119	31.9	25.1	37.7

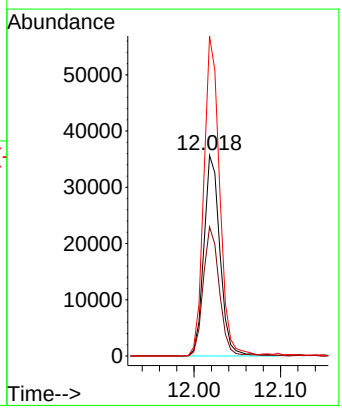




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045588.D
Acq: 04 Apr 2025 10:51

Tgt Ion:152 Resp: 46025

Ion	Ratio	Lower	Upper
152	100		
115	64.7	46.9	140.7
150	155.8	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:	VX0403WBS01	SDG No.:	Q1711
Lab Sample ID:	VX0403WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045563.D	1		04/03/25 12:08	VX040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.9		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.2		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.4		0.20	1.00	ug/L
71-43-2	Benzene	18.7		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.5		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.1		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.8		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	48.5		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	95000	5.544			
540-36-3	1,4-Difluorobenzene	168000	6.757			
3114-55-4	Chlorobenzene-d5	149000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	68900	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\VX040325\
Data File : VX045563.D
Acq On : 03 Apr 2025 12:08
Operator : JC/MD
Sample : VX0403WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 01:19:08 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 :
VX0403WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	95034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168178	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	149052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84848	48.821	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.640%			
35) Dibromofluoromethane	5.385	113	57839	48.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.940%			
50) Toluene-d8	8.647	98	202186	48.546	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.100%			
62) 4-Bromofluorobenzene	11.079	95	74358	49.015	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	28474	20.035	ug/l	97
3) Chloromethane	1.307	50	27632	18.925	ug/l	98
4) Vinyl Chloride	1.374	62	25260	18.904	ug/l	99
5) Bromomethane	1.593	94	11759	18.560	ug/l	97
6) Chloroethane	1.672	64	14325	20.206	ug/l	97
7) Trichlorofluoromethane	1.880	101	38645	19.395	ug/l	100
8) Diethyl Ether	2.130	74	12406	18.545	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	22653	19.402	ug/l	97
10) Methyl Iodide	2.447	142	26828	18.421	ug/l	98
11) Tert butyl alcohol	2.971	59	23342	99.939	ug/l	99
12) 1,1-Dichloroethene	2.312	96	21405	18.762	ug/l	100
13) Acrolein	2.233	56	32619	101.417	ug/l	99
14) Allyl chloride	2.660	41	40847	18.870	ug/l	99
15) Acrylonitrile	3.062	53	71197	96.568	ug/l	99
16) Acetone	2.380	43	67462	94.532	ug/l	96
17) Carbon Disulfide	2.501	76	50650	17.975	ug/l	97
18) Methyl Acetate	2.703	43	31989	19.469	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	72893	18.264	ug/l	97
20) Methylene Chloride	2.782	84	25254	18.902	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	21633	18.560	ug/l	97
22) Diisopropyl ether	3.757	45	79714	18.694	ug/l #	82
23) Vinyl Acetate	3.721	43	346163	93.960	ug/l	100
24) 1,1-Dichloroethane	3.605	63	45204	18.745	ug/l	98
25) 2-Butanone	4.556	43	101576	97.237	ug/l	98
26) 2,2-Dichloropropane	4.465	77	30795	19.765	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	25877	18.223	ug/l	97
28) Bromochloromethane	4.891	49	23399	20.079	ug/l	98
29) Tetrahydrofuran	5.001	42	64526	95.274	ug/l	99
30) Chloroform	5.086	83	47720	19.231	ug/l	99
31) Cyclohexane	5.458	56	40068	18.794	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	38732	18.447	ug/l	98
36) 1,1-Dichloropropene	5.690	75	31010	19.248	ug/l	97
37) Ethyl Acetate	4.714	43	37537	18.488	ug/l	98
38) Carbon Tetrachloride	5.672	117	32889	18.889	ug/l	98
39) Methylcyclohexane	7.379	83	38109	19.297	ug/l	97
40) Benzene	6.031	78	92131	18.724	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045563.D
Acq On : 03 Apr 2025 12:08
Operator : JC/MD
Sample : VX0403WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 01:19:08 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 :
VX0403WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	20481	19.119	ug/l		97
42) 1,2-Dichloroethane	6.086	62	39817	19.592	ug/l		99
43) Isopropyl Acetate	6.342	43	57673	18.742	ug/l		100
44) Trichloroethene	7.123	130	21580	18.452	ug/l		99
45) 1,2-Dichloropropane	7.427	63	22690	18.482	ug/l		96
46) Dibromomethane	7.580	93	18338	19.458	ug/l		100
47) Bromodichloromethane	7.818	83	35669	18.952	ug/l		93
48) Methyl methacrylate	7.696	41	29793	18.752	ug/l		98
49) 1,4-Dioxane	7.659	88	11782	409.867	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	204092	100.048	ug/l		98
52) Toluene	8.714	92	56597	19.009	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	29059	17.610	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	33695	19.051	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	22623	19.068	ug/l		97
56) Ethyl methacrylate	9.116	69	34400	18.735	ug/l		98
57) 1,3-Dichloropropane	9.305	76	39503	19.120	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	84945	91.451	ug/l		100
59) 2-Hexanone	9.427	43	151035	99.982	ug/l		99
60) Dibromochloromethane	9.518	129	24684	19.084	ug/l		98
61) 1,2-Dibromoethane	9.610	107	23132	19.260	ug/l		97
64) Tetrachloroethene	9.269	164	19411	18.445	ug/l		97
65) Chlorobenzene	10.079	112	60989	19.149	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20434	18.479	ug/l		98
67) Ethyl Benzene	10.189	91	108957	19.101	ug/l		99
68) m/p-Xylenes	10.299	106	79412	38.276	ug/l		97
69) o-Xylene	10.640	106	38939	19.052	ug/l		98
70) Styrene	10.652	104	66139	19.607	ug/l		100
71) Bromoform	10.799	173	15475	18.743	ug/l	#	100
73) Isopropylbenzene	10.957	105	103012	18.660	ug/l		99
74) N-amyl acetate	10.841	43	48409	18.332	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	36109	18.620	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	31309m	18.624	ug/l		
77) Bromobenzene	11.195	156	23469	18.399	ug/l		99
78) n-propylbenzene	11.299	91	119014	18.717	ug/l		99
79) 2-Chlorotoluene	11.360	91	75745	18.633	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	87968	19.270	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8340	16.837	ug/l		92
82) 4-Chlorotoluene	11.451	91	84800	18.710	ug/l		99
83) tert-Butylbenzene	11.713	119	86089	19.049	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	87951	19.196	ug/l		100
85) sec-Butylbenzene	11.890	105	107693	19.401	ug/l		98
86) p-Isopropyltoluene	12.006	119	87307	19.078	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	41875	18.035	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	42877	18.215	ug/l		98
89) n-Butylbenzene	12.329	91	72973	18.388	ug/l		98
90) Hexachloroethane	12.536	117	15145	19.256	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	42284	18.317	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7578	18.685	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	22581	17.574	ug/l		97
94) Hexachlorobutadiene	13.719	225	10095	18.232	ug/l		99
95) Naphthalene	13.774	128	82961	17.350	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	23220	17.258	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045563.D
Acq On : 03 Apr 2025 12:08
Operator : JC/MD
Sample : VX0403WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 01:19:08 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 :
VX0403WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

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

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

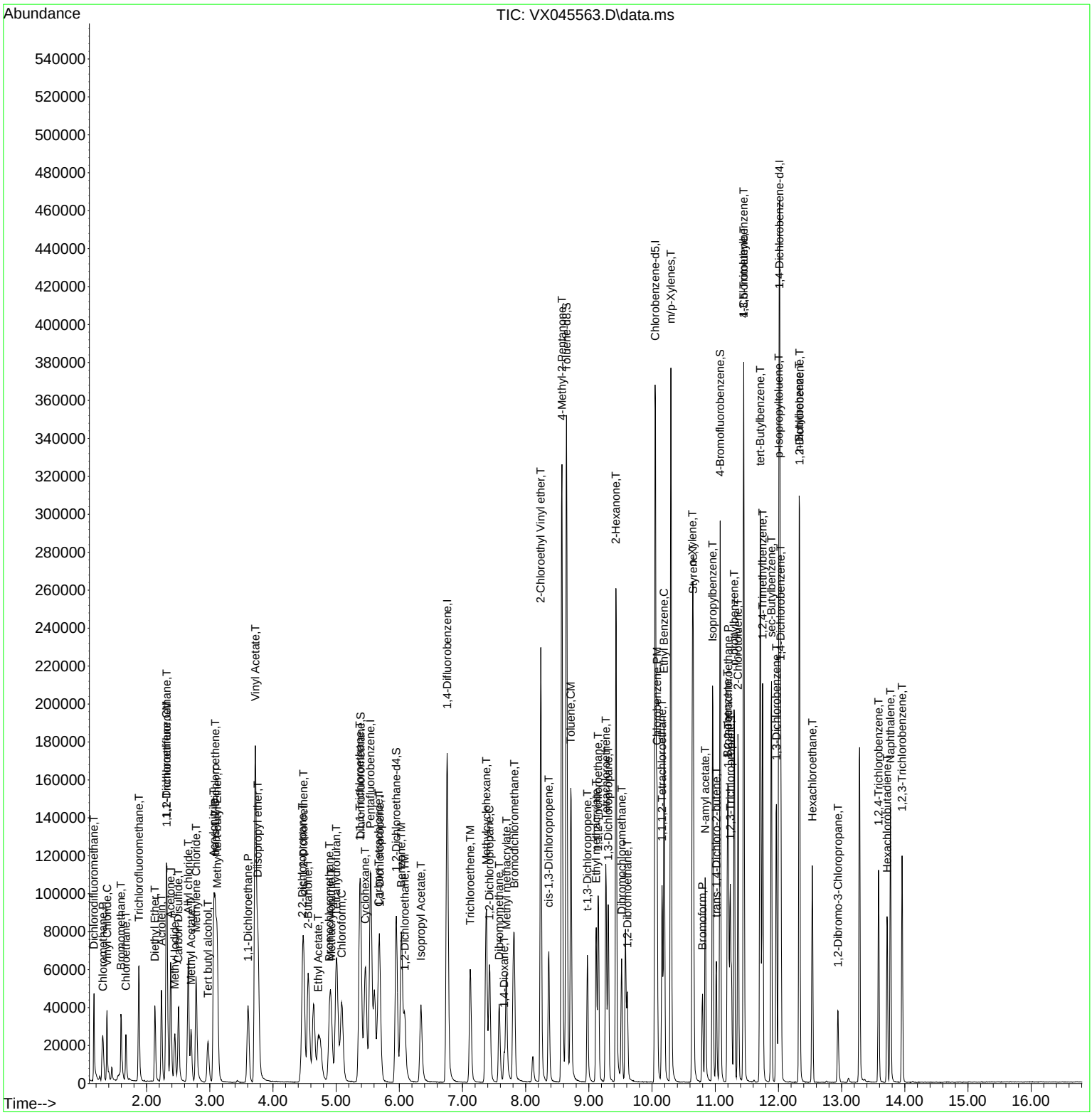
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045563.D
Acq On : 03 Apr 2025 12:08
Operator : JC/MD
Sample : VX0403WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

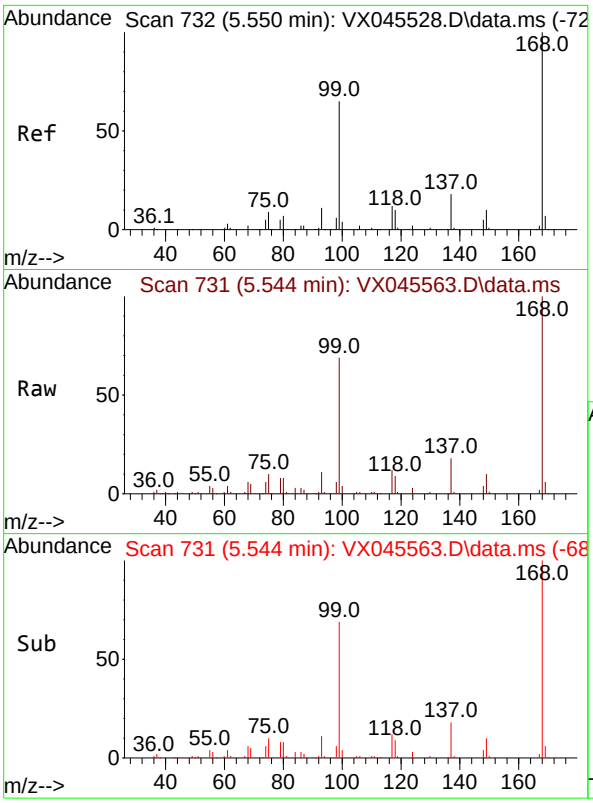
Quant Time: Apr 04 01:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

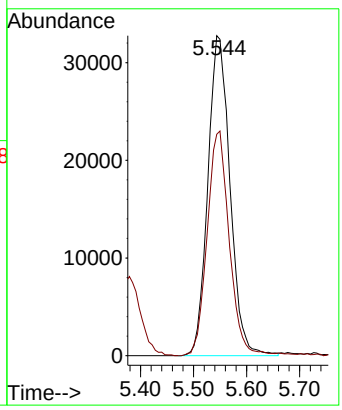




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:168 Resp: 9503

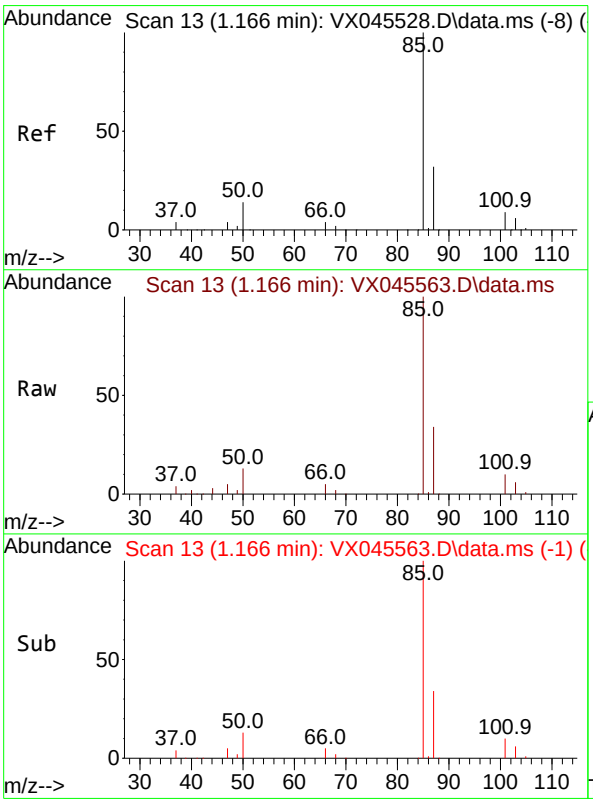
Ion	Ratio	Lower	Upper
168	100		
99	69.2	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

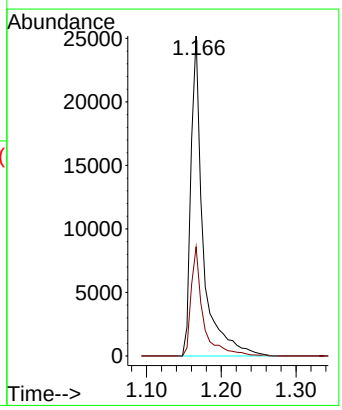
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

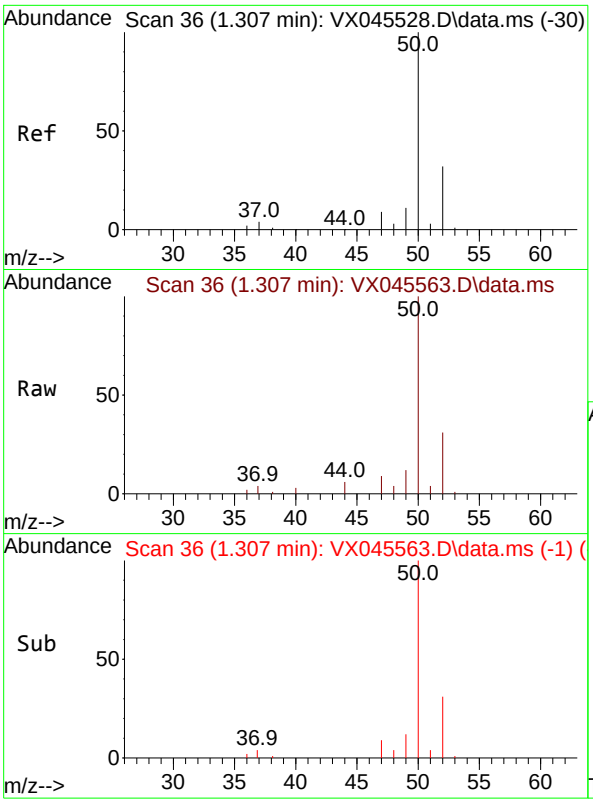


#2
Dichlorodifluoromethane
Concen: 20.035 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 85 Resp: 28474

Ion	Ratio	Lower	Upper
85	100		
87	34.0	16.1	48.2

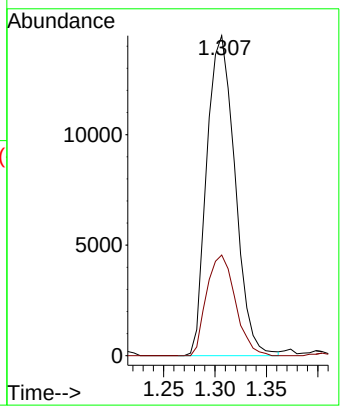




#3
Chloromethane
Concen: 18.925 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 50 Resp: 2763

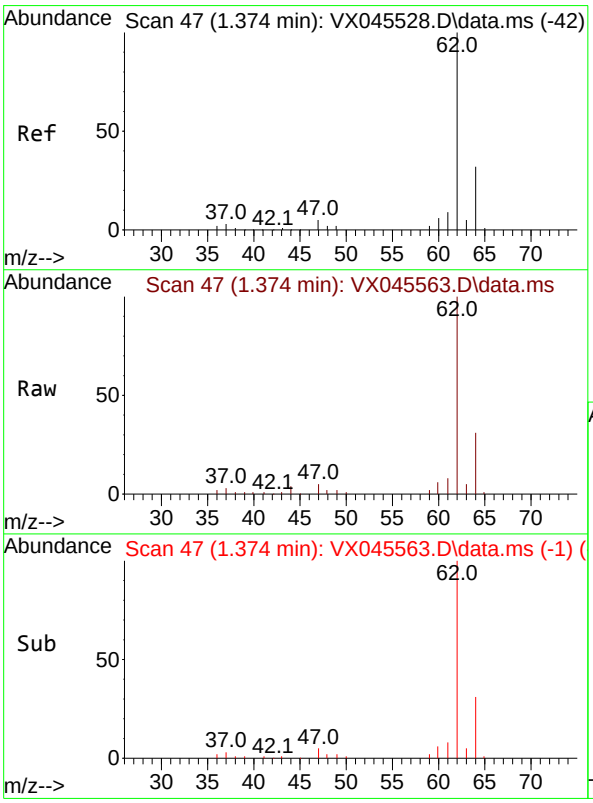
Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

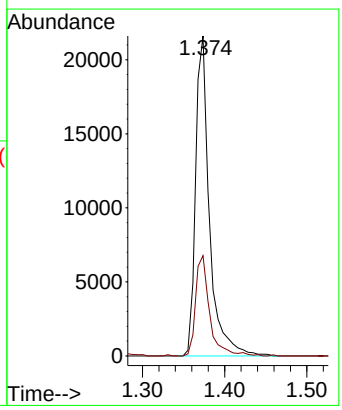
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

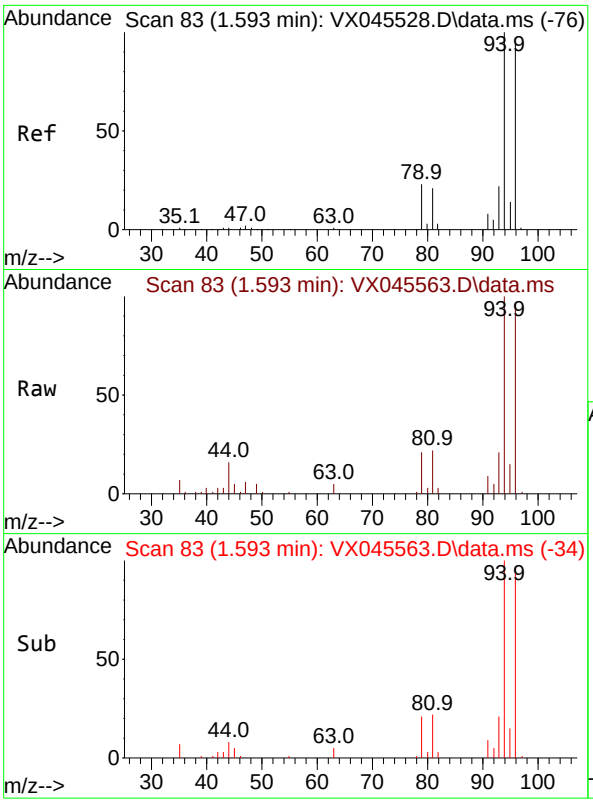


#4
Vinyl Chloride
Concen: 18.904 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 62 Resp: 25260

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.5	38.3

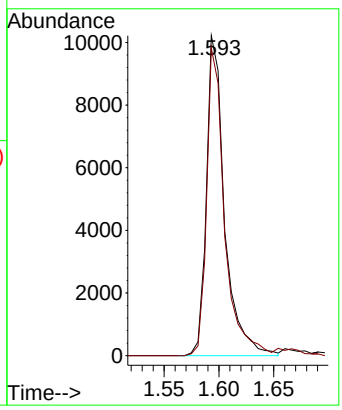




#5
Bromomethane
Concen: 18.560 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 94 Resp: 1175

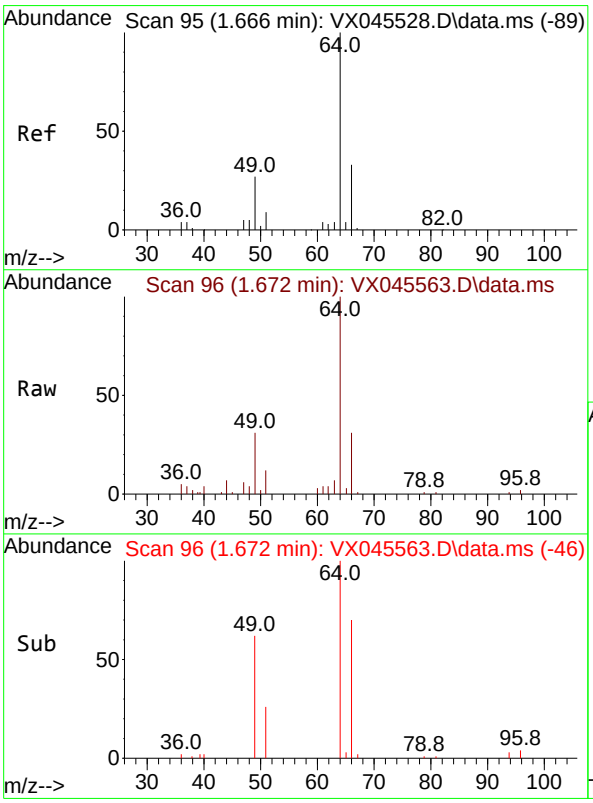
Ion	Ratio	Lower	Upper
94	100		
96	96.1	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

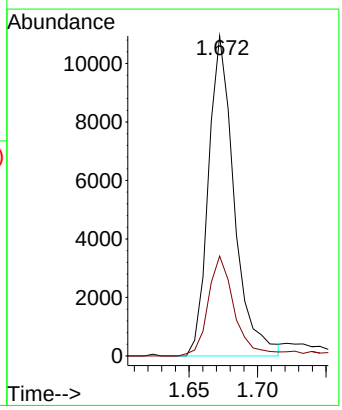
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

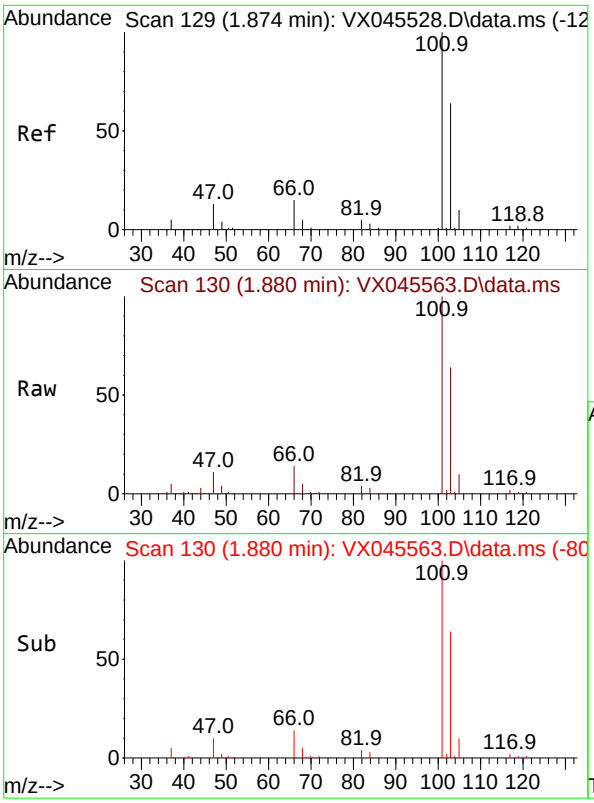


#6
Chloroethane
Concen: 20.206 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 64 Resp: 14325

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.3	39.5

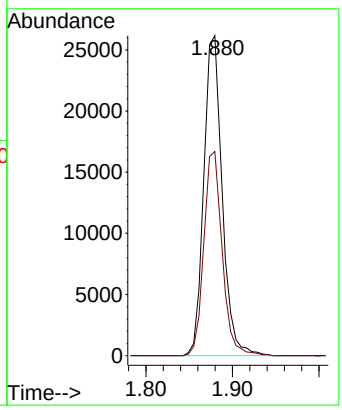




#7
Trichlorofluoromethane
Concen: 19.395 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:101 Resp: 3864

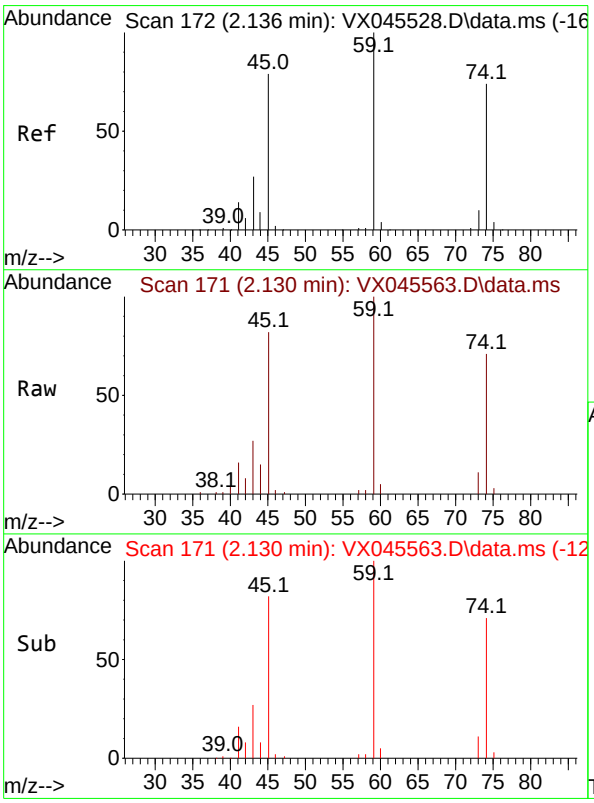
Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

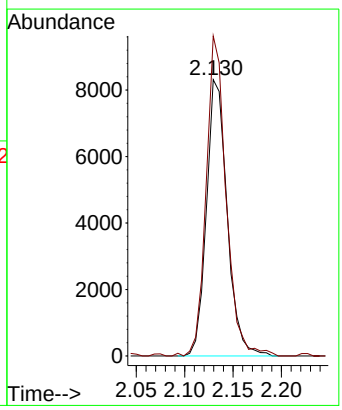
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

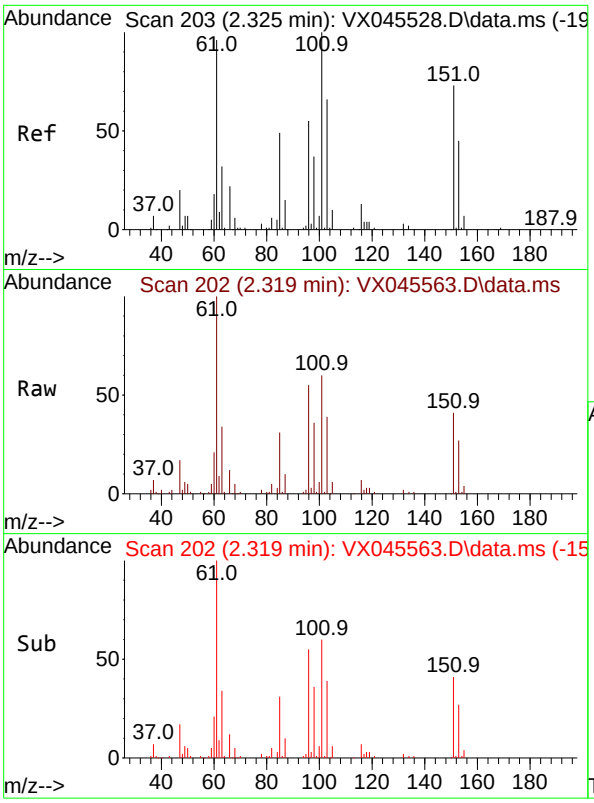


#8
Diethyl Ether
Concen: 18.545 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 74 Resp: 12406

Ion	Ratio	Lower	Upper
74	100		
45	111.6	53.0	159.1

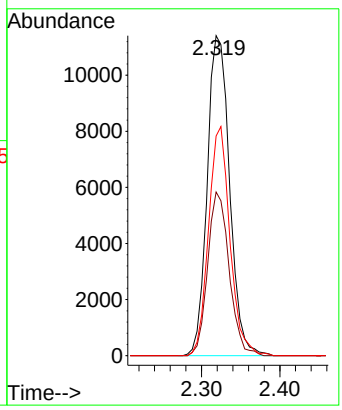




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.402 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:101 Resp: 2265

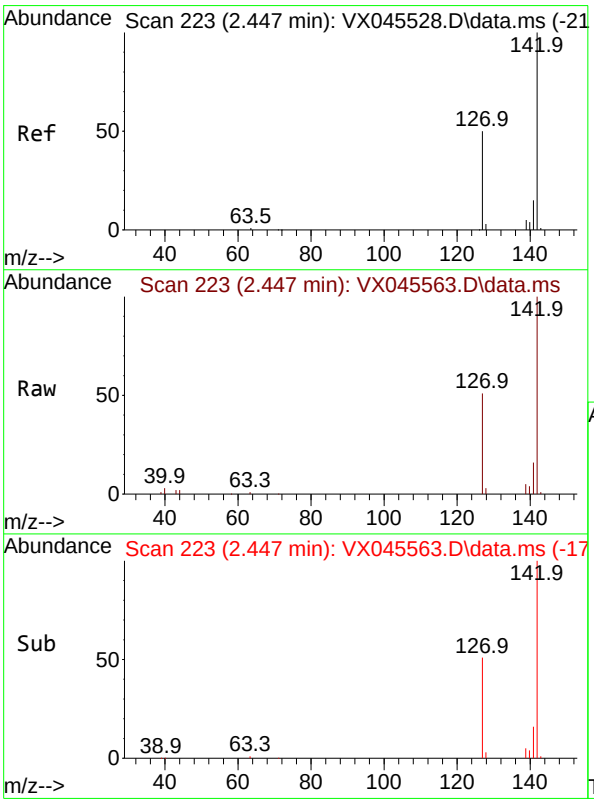
Ion	Ratio	Lower	Upper
101	100		
85	49.2	38.9	58.3
151	68.5	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

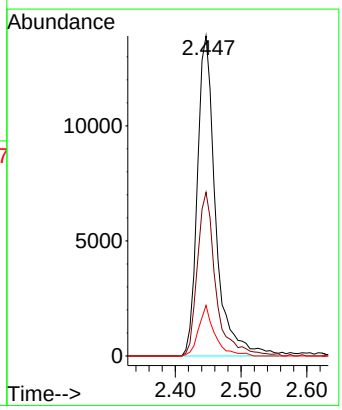
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

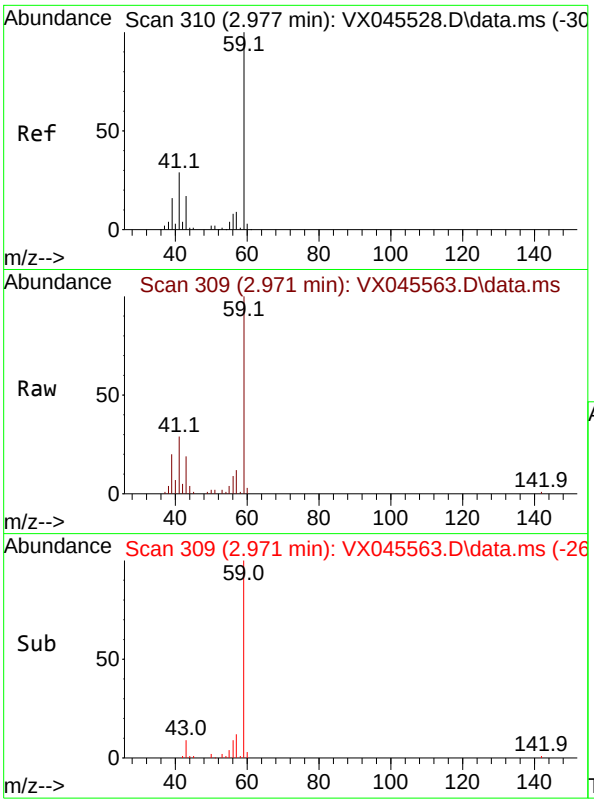


#10
Methyl Iodide
Concen: 18.421 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:142 Resp: 26828

Ion	Ratio	Lower	Upper
142	100		
127	51.5	40.2	60.4
141	14.0	11.7	17.5

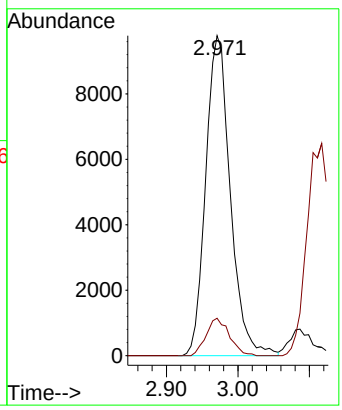




#11
Tert butyl alcohol
Concen: 99.939 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 59 Resp: 2334

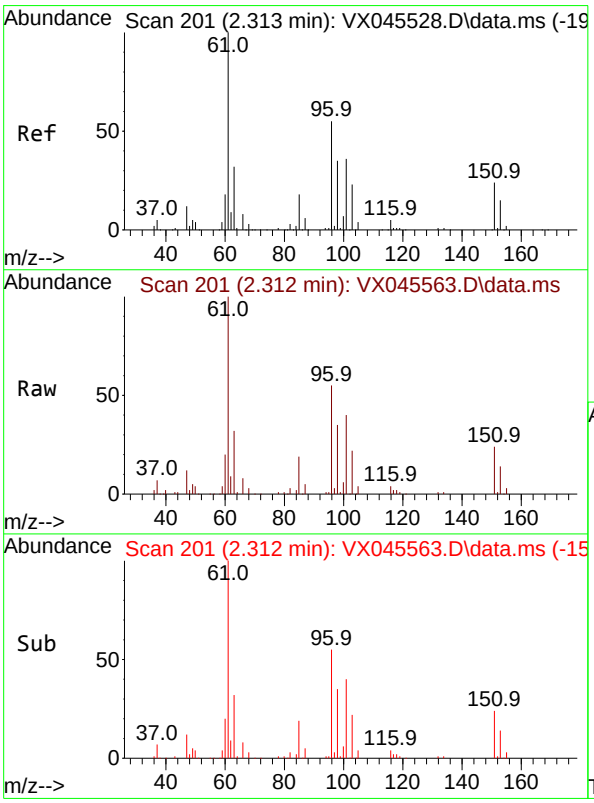
Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

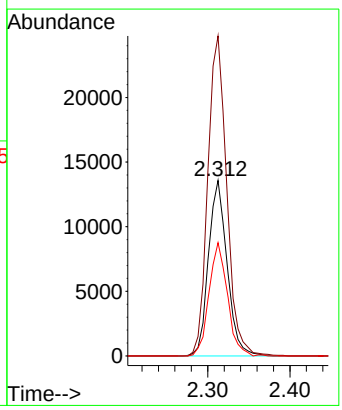
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

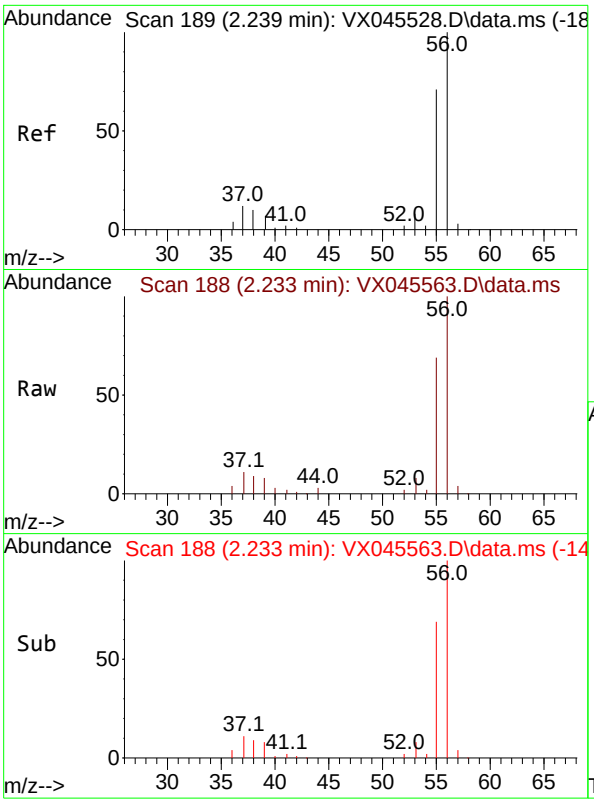


#12
1,1-Dichloroethene
Concen: 18.762 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 96 Resp: 21405

Ion	Ratio	Lower	Upper
96	100		
61	182.4	145.7	218.5
98	64.6	51.6	77.4

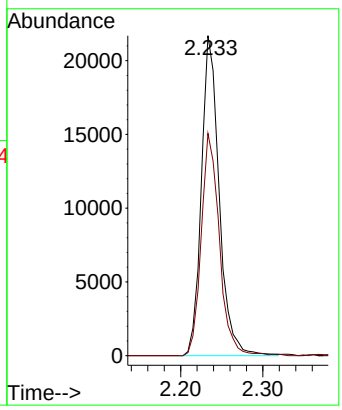




#13
Acrolein
Concen: 101.417 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 56 Resp: 3261

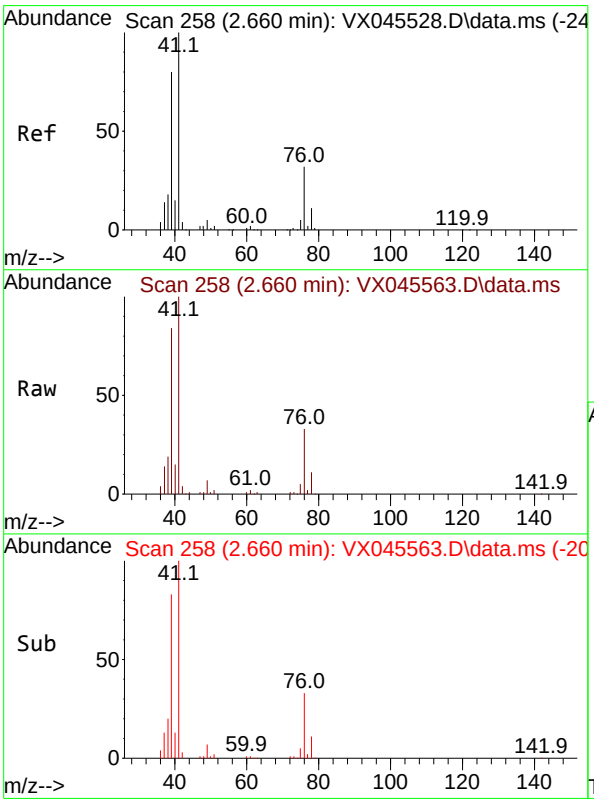
Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

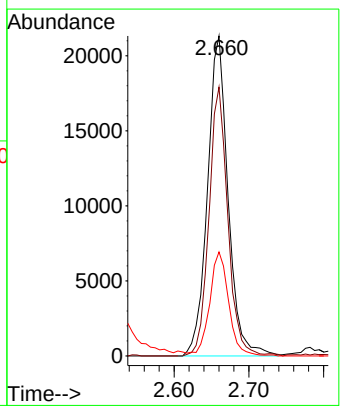
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

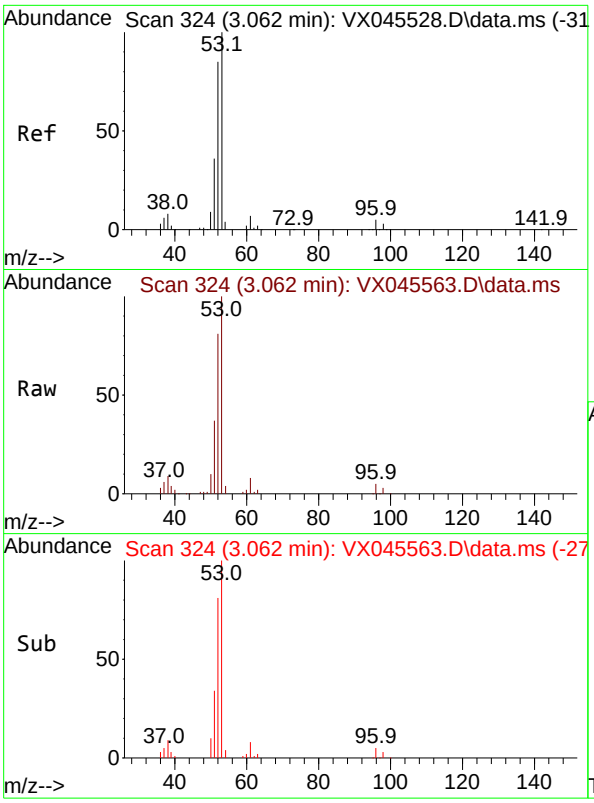


#14
Allyl chloride
Concen: 18.870 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 41 Resp: 40847

Ion	Ratio	Lower	Upper
41	100		
39	76.5	60.2	90.2
76	30.1	24.6	36.8

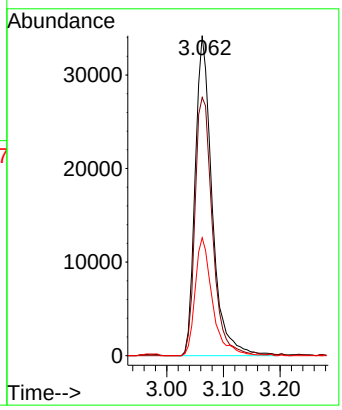




#15
Acrylonitrile
Concen: 96.568 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 53 Resp: 7119

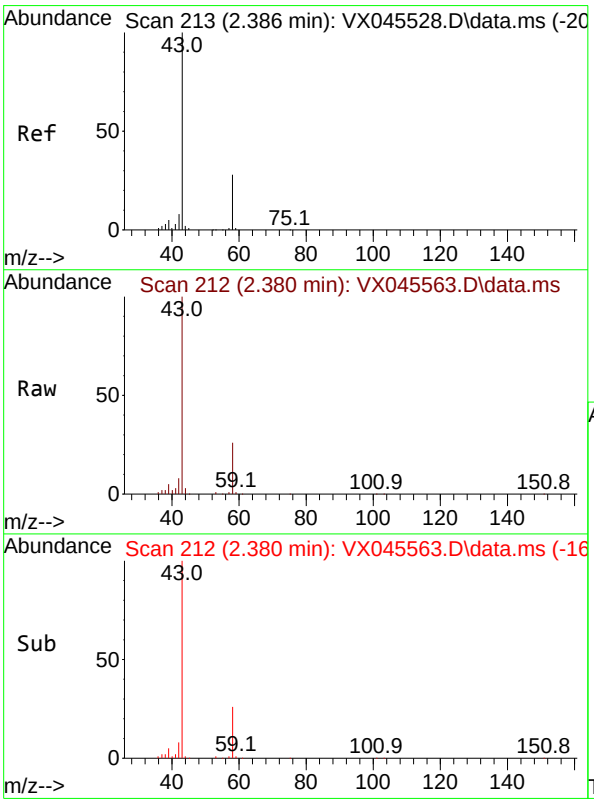
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.4	101.2
51	37.6	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

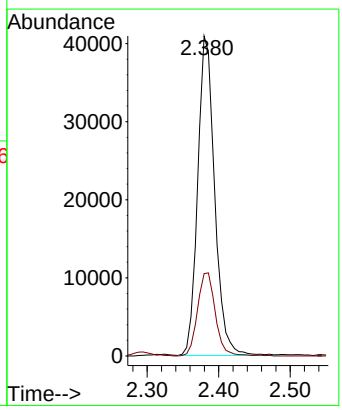
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

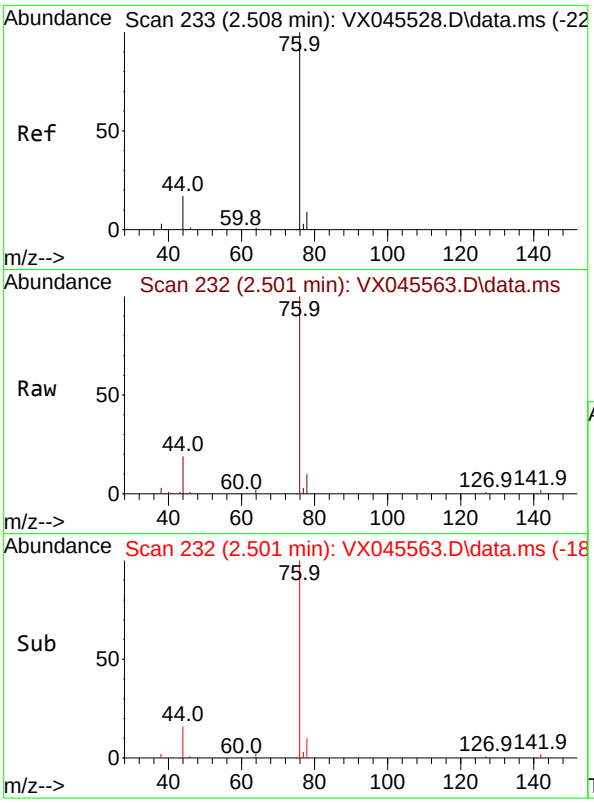


#16
Acetone
Concen: 94.532 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 43 Resp: 67462

Ion	Ratio	Lower	Upper
43	100		
58	25.8	22.3	33.5

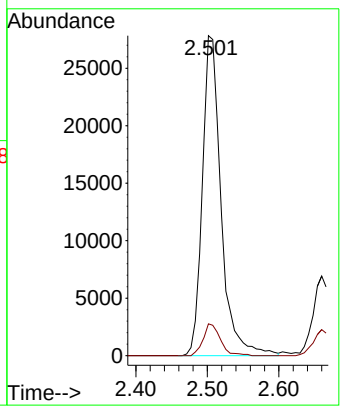




#17
Carbon Disulfide
Concen: 17.975 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 76 Resp: 5065

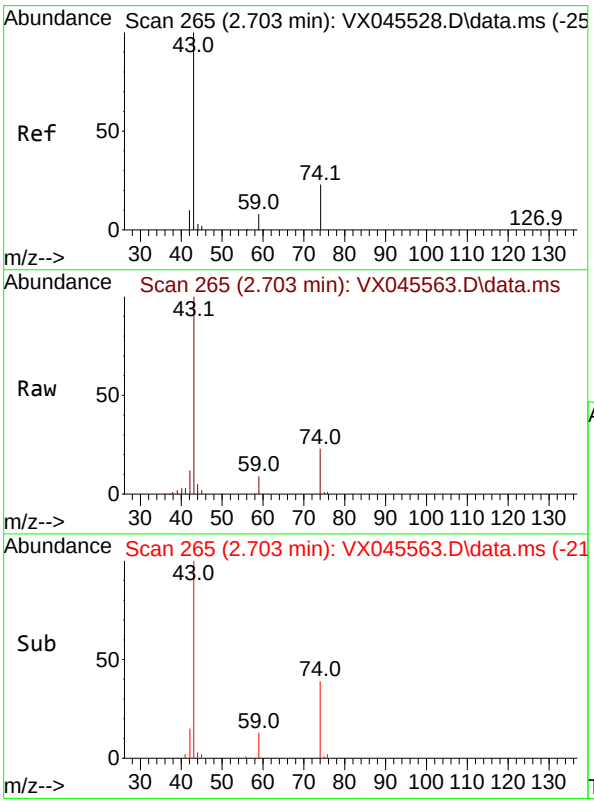
Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

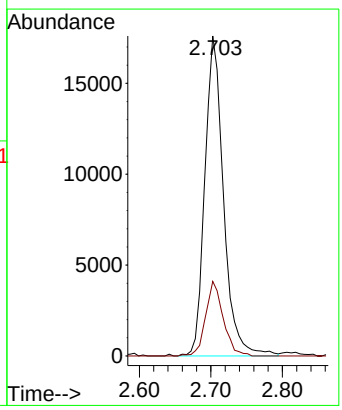
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

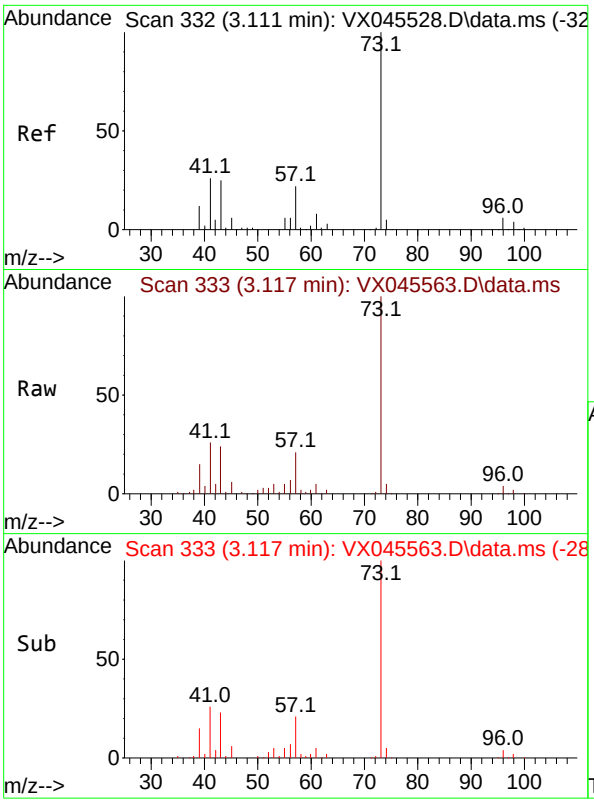


#18
Methyl Acetate
Concen: 19.469 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 43 Resp: 31989

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.5	26.3

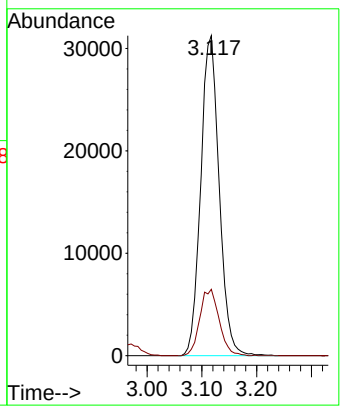




#19
Methyl tert-butyl Ether
Concen: 18.264 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 73 Resp: 7289

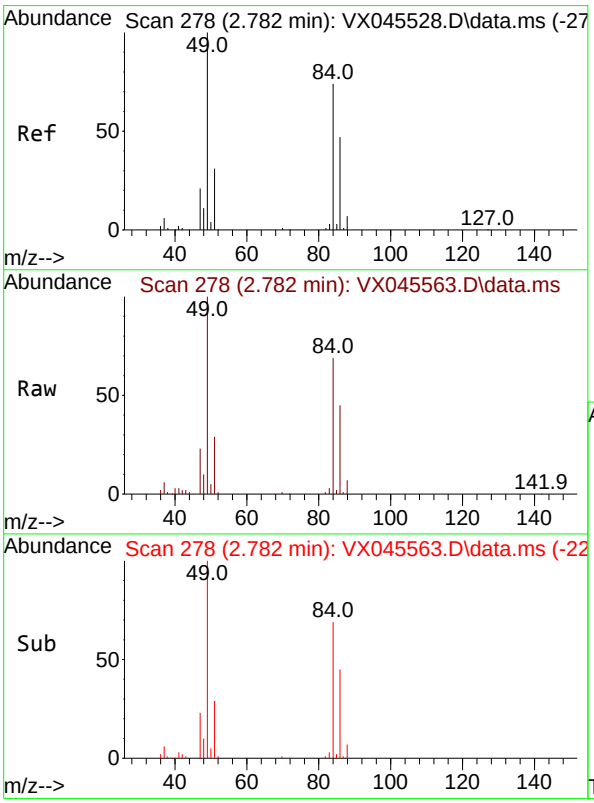
Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

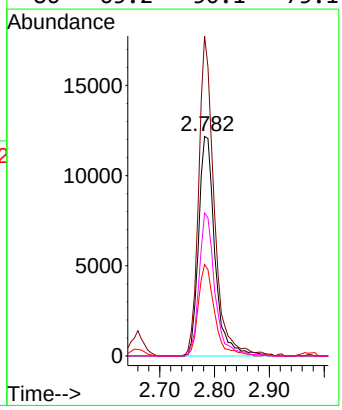
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

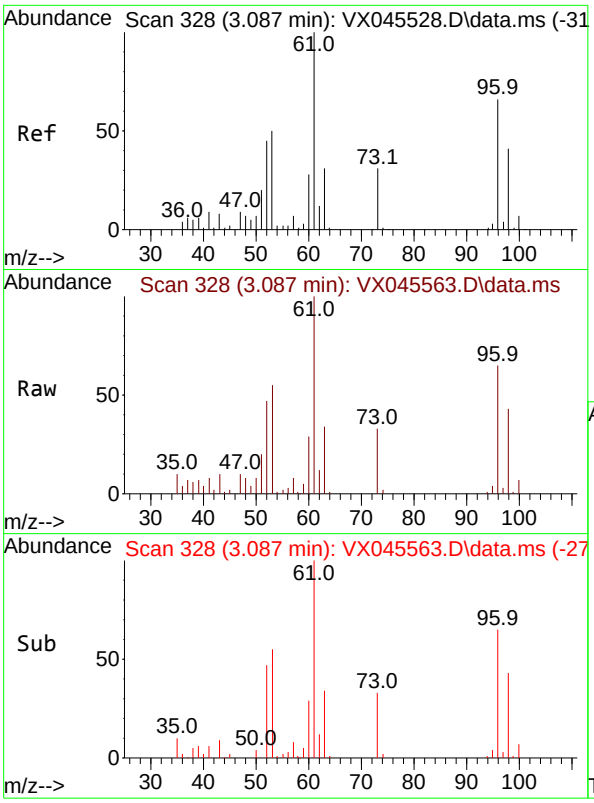


#20
Methylene Chloride
Concen: 18.902 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 84 Resp: 25254

Ion	Ratio	Lower	Upper
84	100		
49	145.7	107.5	161.3
51	41.7	33.0	49.6
86	65.2	50.1	75.1

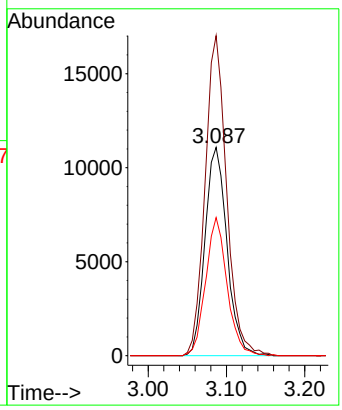




#21
trans-1,2-Dichloroethene
Concen: 18.560 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 96 Resp: 2163

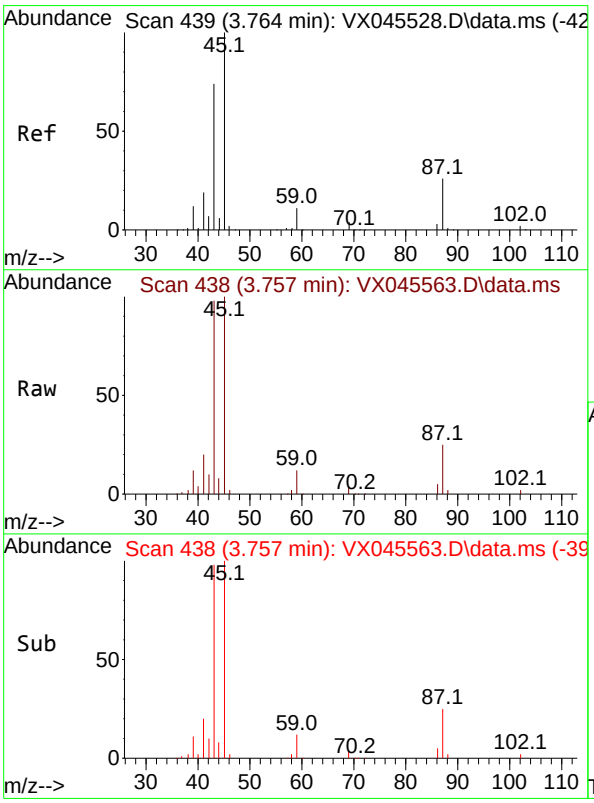
Ion	Ratio	Lower	Upper
96	100		
61	153.6	121.0	181.6
98	66.3	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

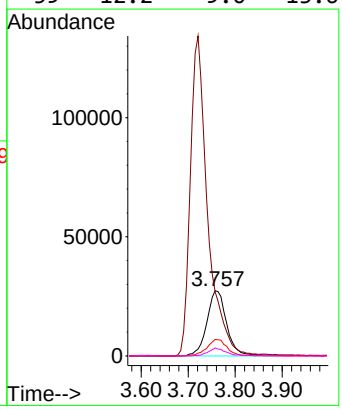
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

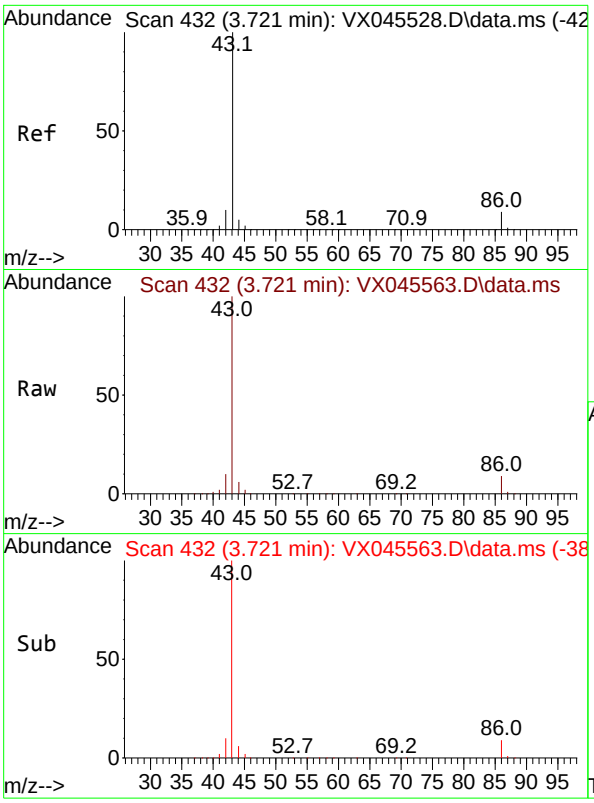


#22
Diisopropyl ether
Concen: 18.694 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 45 Resp: 79714

Ion	Ratio	Lower	Upper
45	100		
43	96.4	59.3	88.9#
87	25.1	20.4	30.6
59	12.2	9.0	13.6





#23
Vinyl Acetate
Concen: 93.960 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

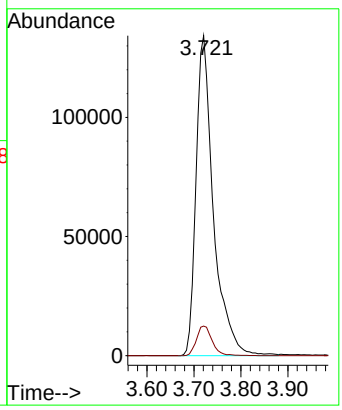
Tgt Ion: 43 Resp: 34616

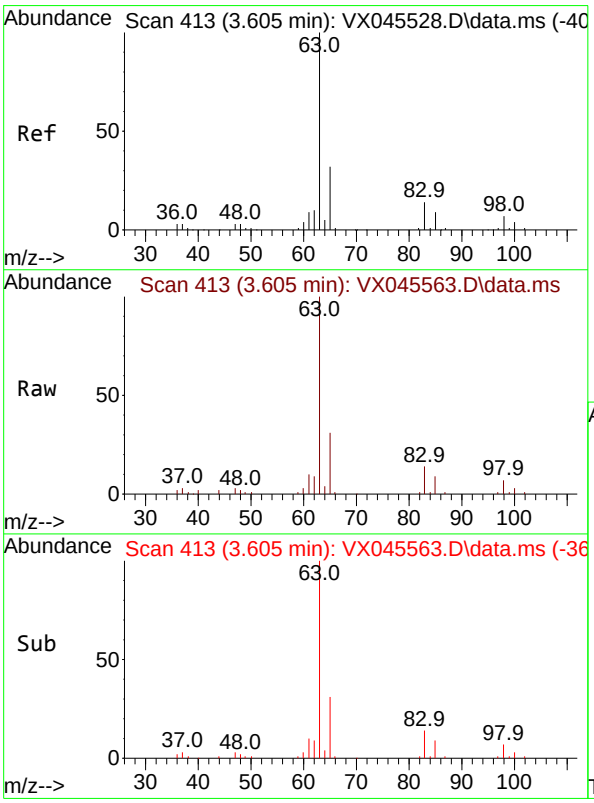
Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

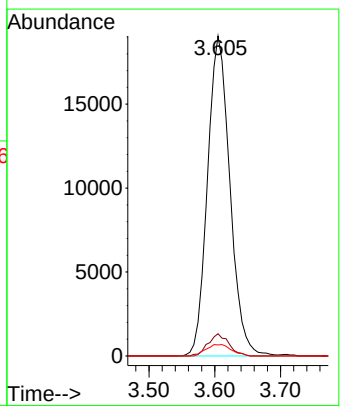


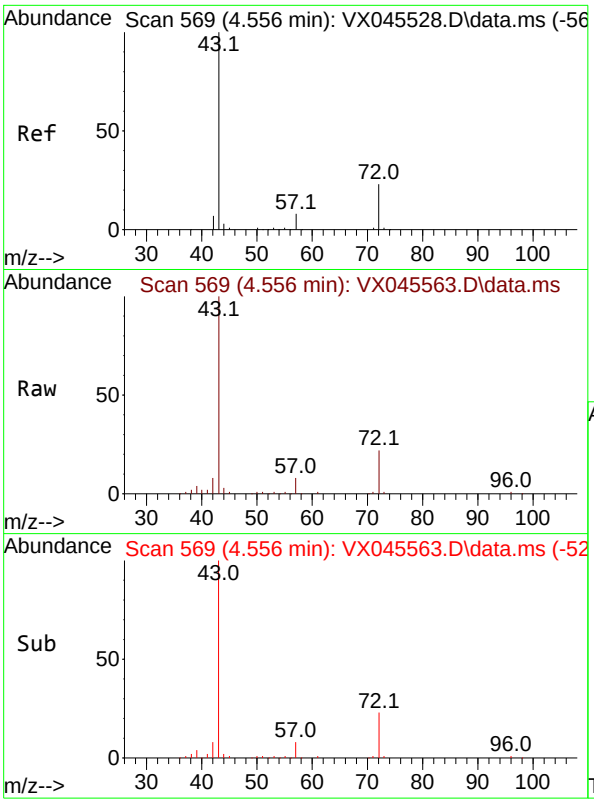


#24
1,1-Dichloroethane
Concen: 18.745 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 63 Resp: 45204

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	3.5	2.2	6.6

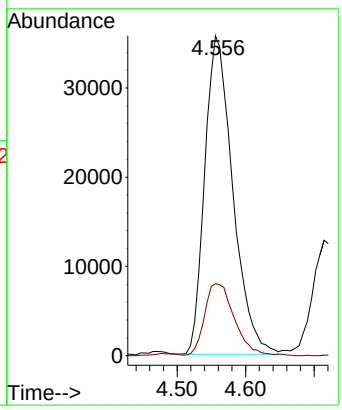




#25
2-Butanone
Concen: 97.237 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 43 Resp: 10157

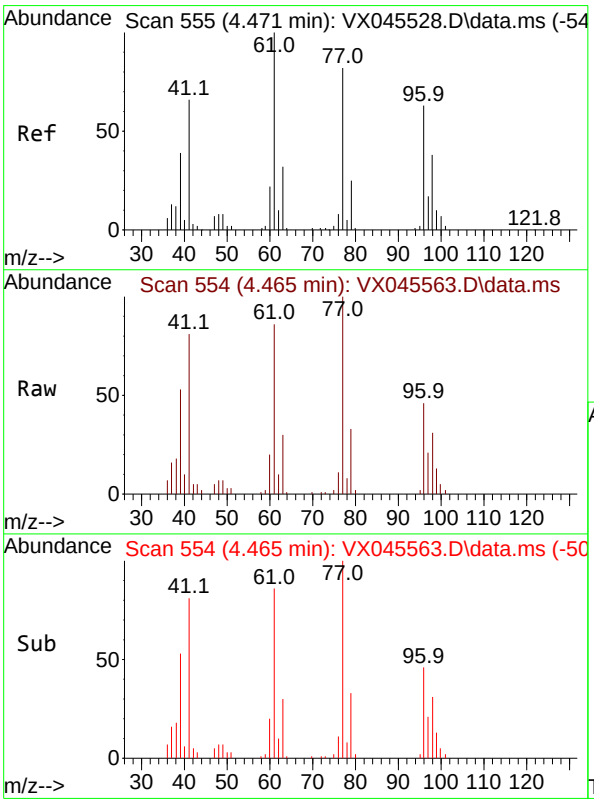
Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

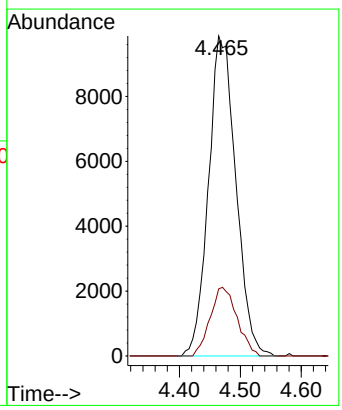
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

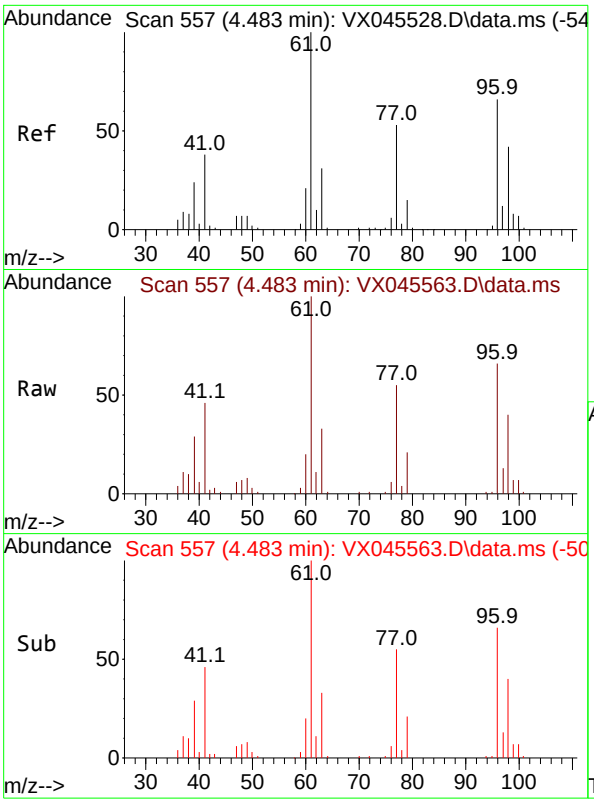


#26
2,2-Dichloropropane
Concen: 19.765 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 77 Resp: 30795

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.6	31.8

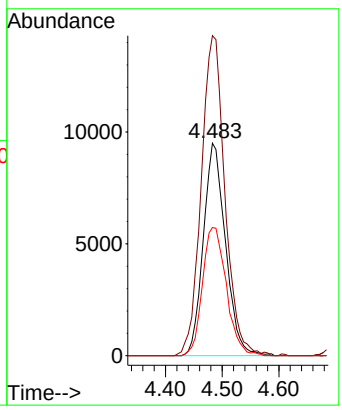




#27
cis-1,2-Dichloroethene
Concen: 18.223 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 96 Resp: 2587

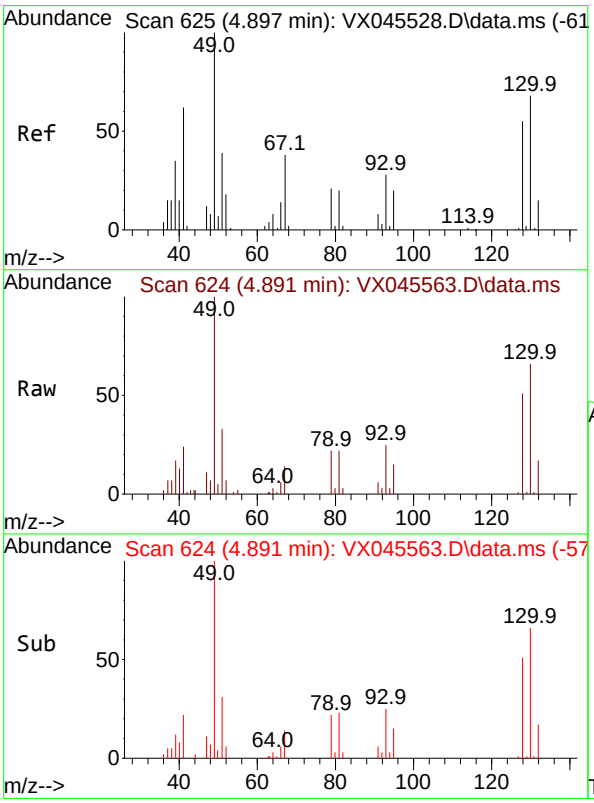
Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	313.2
98	64.6	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

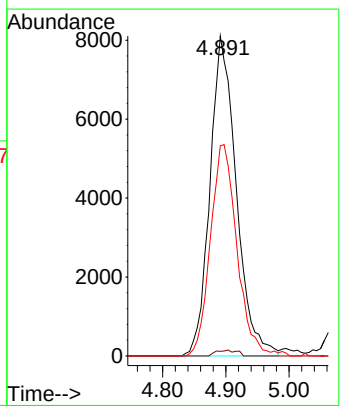
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

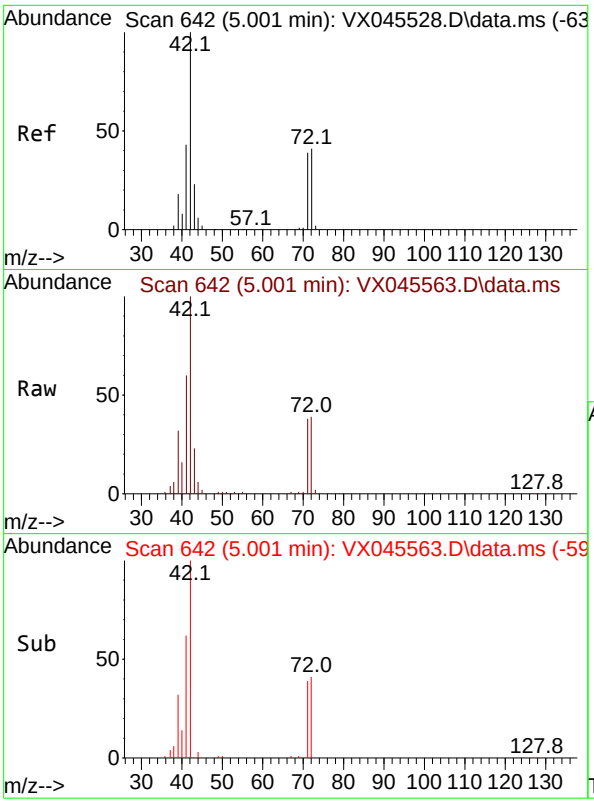


#28
Bromochloromethane
Concen: 20.079 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 49 Resp: 23399

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	66.7	54.6	81.8





#29
Tetrahydrofuran
Concen: 95.274 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

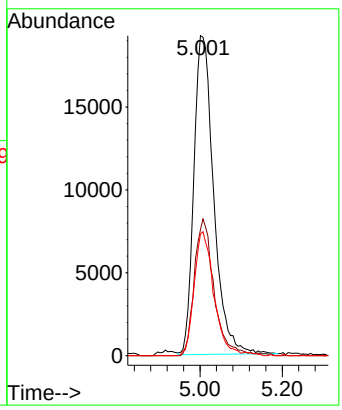
Tgt Ion: 42 Resp: 6452

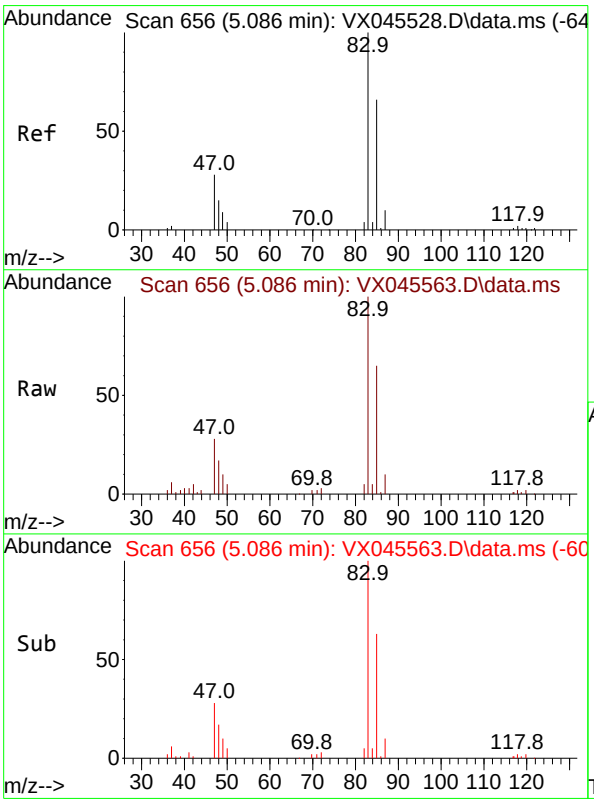
Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.4	50.0
71	38.4	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

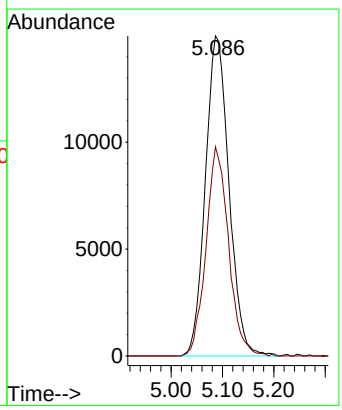


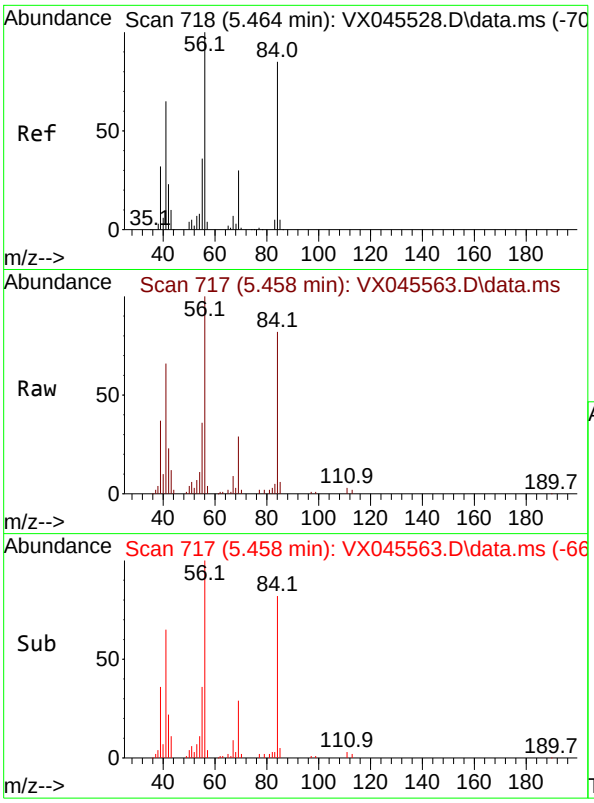


#30
Chloroform
Concen: 19.231 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 83 Resp: 47720

Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.8	79.2

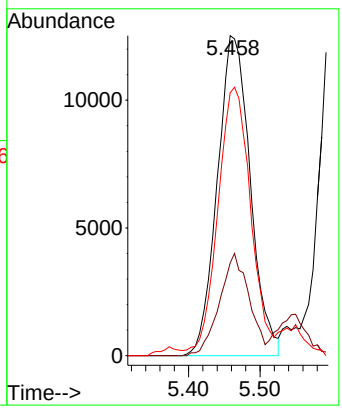




#31
Cyclohexane
Concen: 18.794 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 56 Resp: 4006

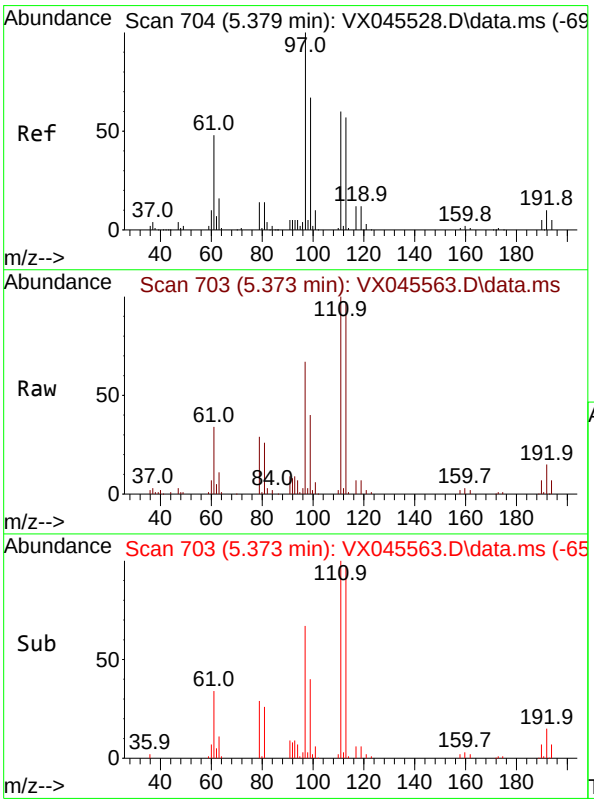
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.6	35.4
84	80.3	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

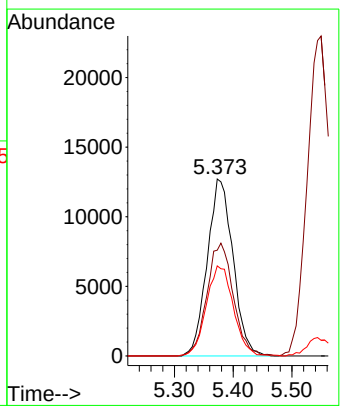
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

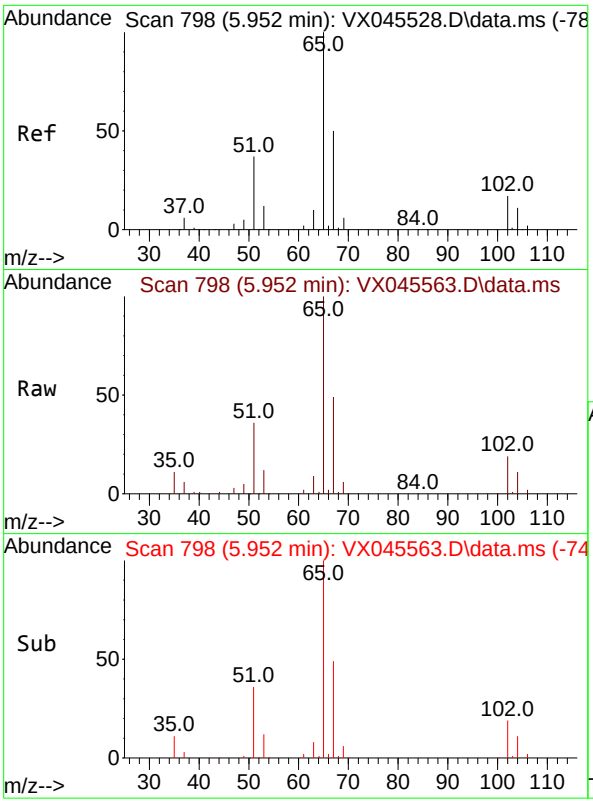


#32
1,1,1-Trichloroethane
Concen: 18.447 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 97 Resp: 38732

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	53.4	41.0	61.4

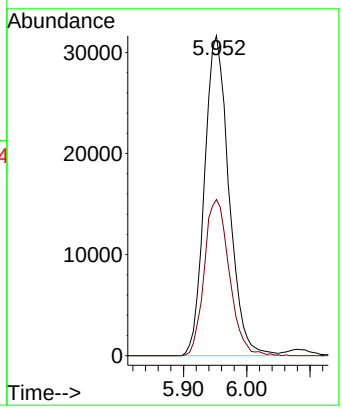




#33
1,2-Dichloroethane-d4
Concen: 48.821 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 65 Resp: 8484

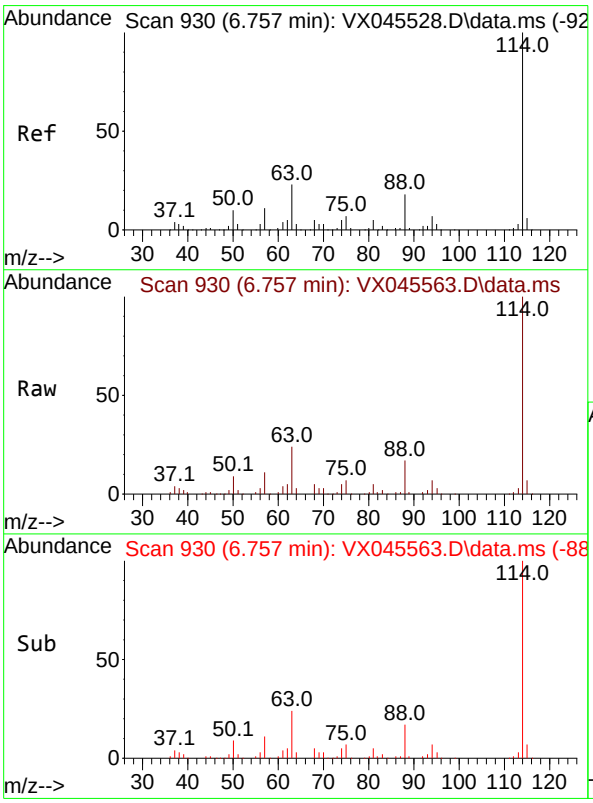
Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

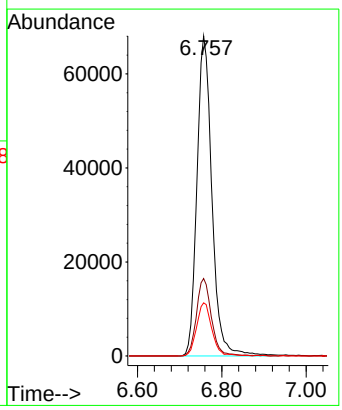
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

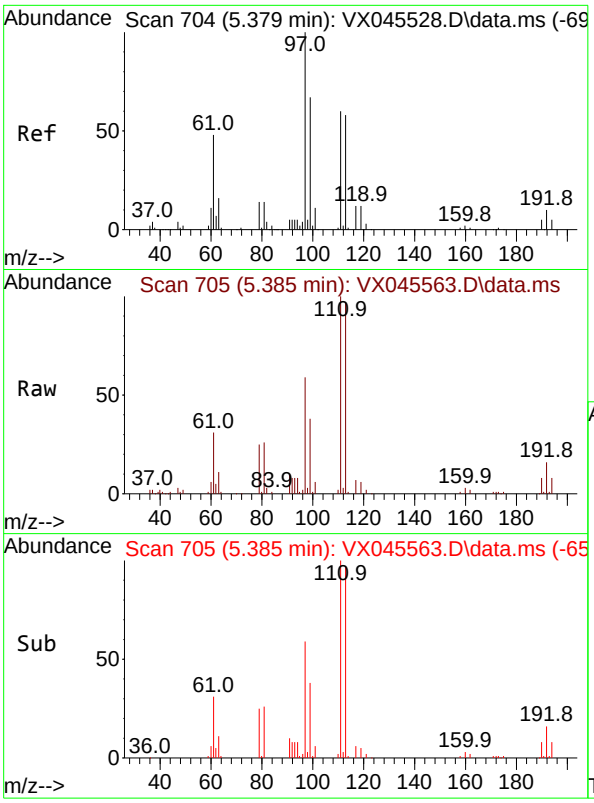


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:114 Resp: 168178

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	46.8
88	16.6	0.0	35.4

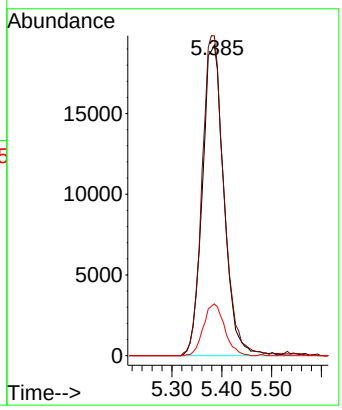




#35
Dibromofluoromethane
Concen: 48.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:113 Resp: 5783

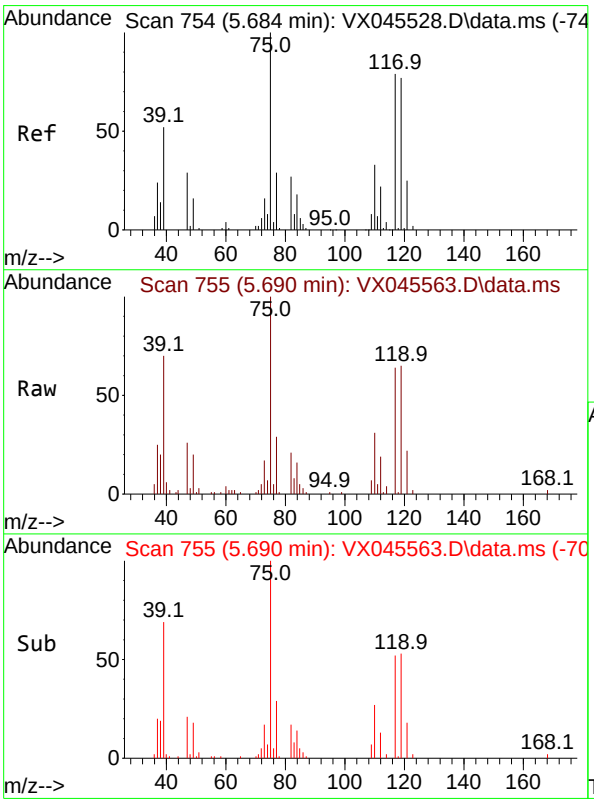
Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	16.4	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

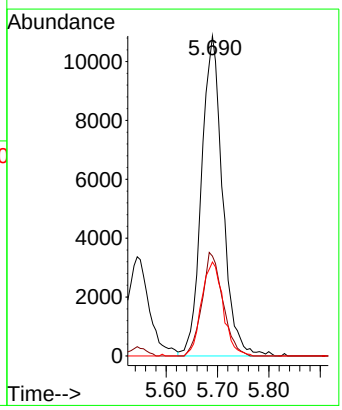
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

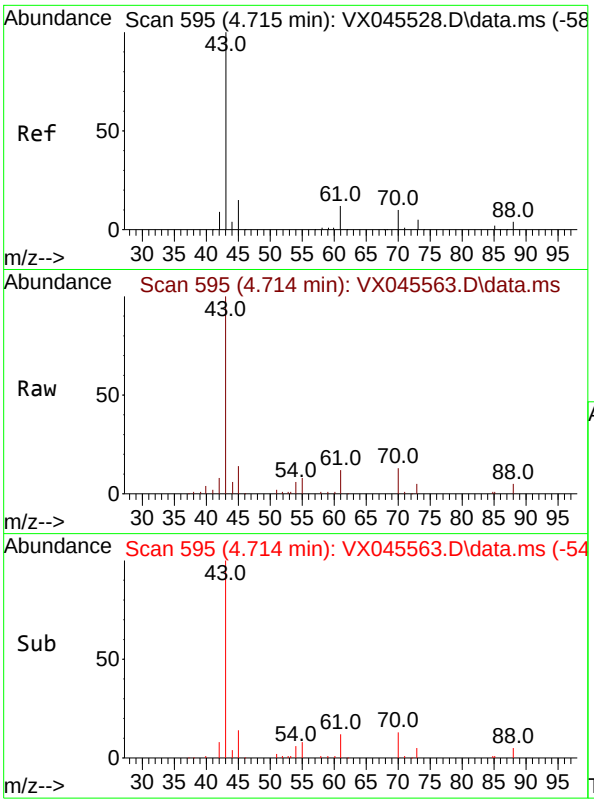


#36
1,1-Dichloropropene
Concen: 19.248 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 75 Resp: 31010

Ion	Ratio	Lower	Upper
75	100		
110	31.9	16.9	50.6
77	29.9	25.0	37.4





#37
Ethyl Acetate
Concen: 18.488 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

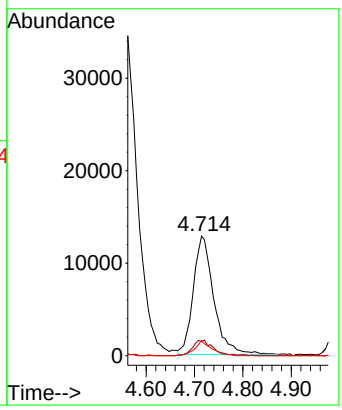
Tgt Ion: 43 Resp: 3753

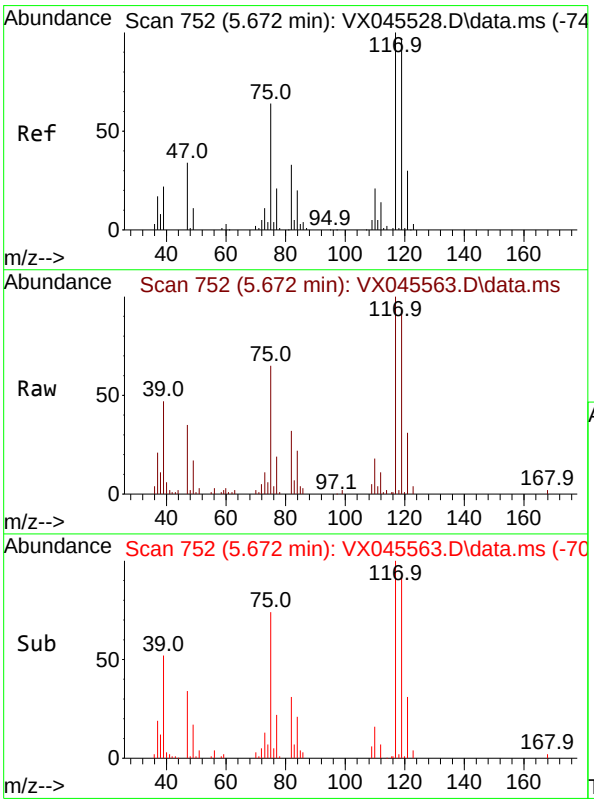
Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.9	14.9
70	10.2	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

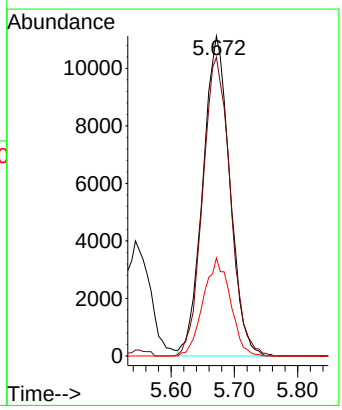


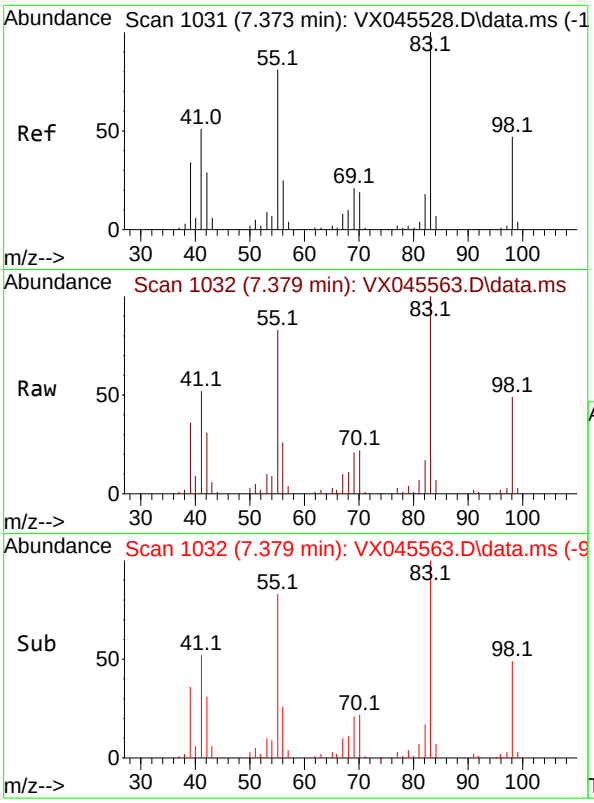


#38
Carbon Tetrachloride
Concen: 18.889 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:117 Resp: 32889

Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.9	115.3
121	30.7	24.2	36.2

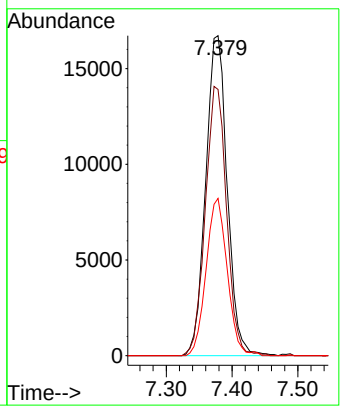




#39
Methylcyclohexane
Concen: 19.297 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 83 Resp: 3810

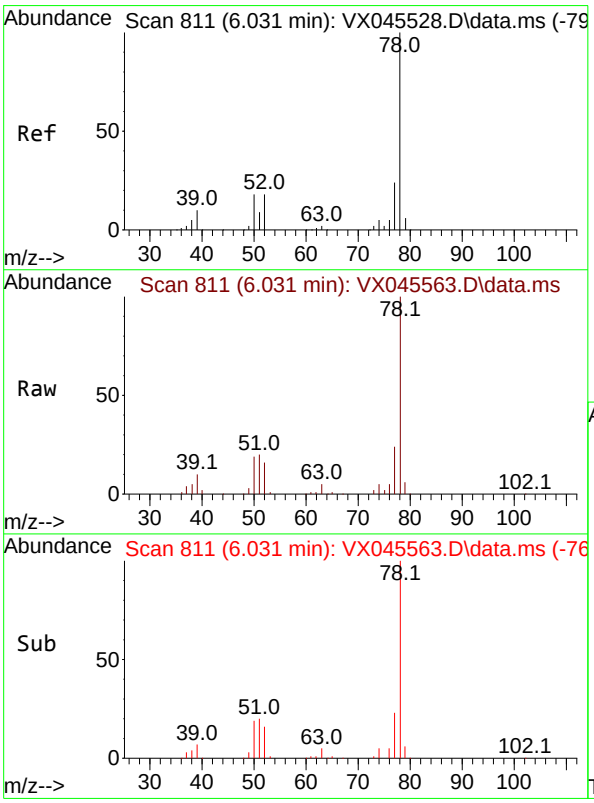
Ion	Ratio	Lower	Upper
83	100		
55	83.2	64.9	97.3
98	49.2	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

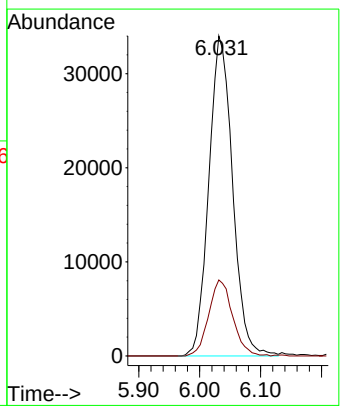
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

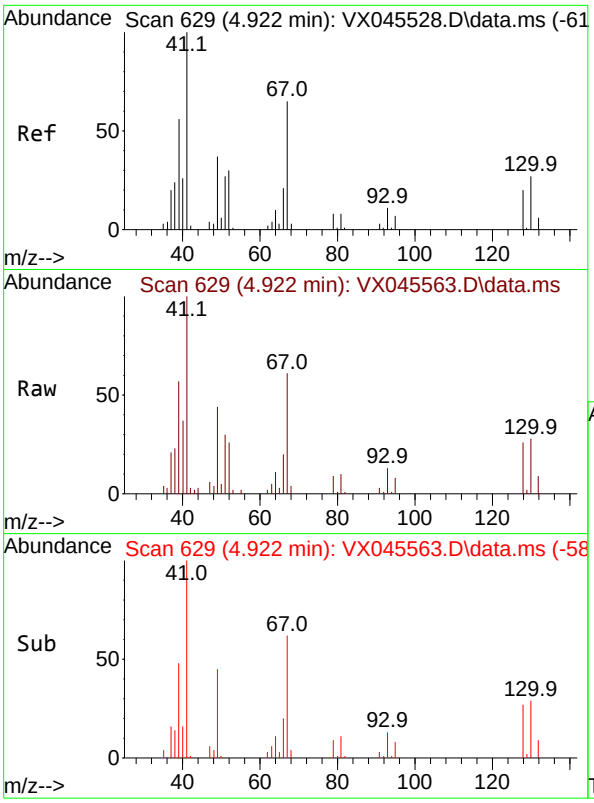


#40
Benzene
Concen: 18.724 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 78 Resp: 92131

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6

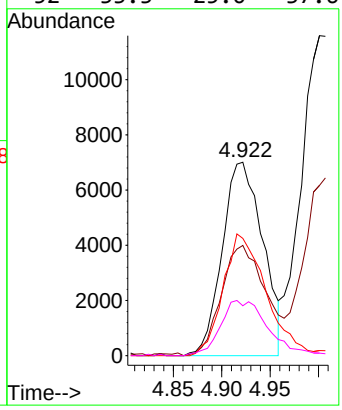




#41
Methacrylonitrile
Concen: 19.119 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 41 Resp: 2048

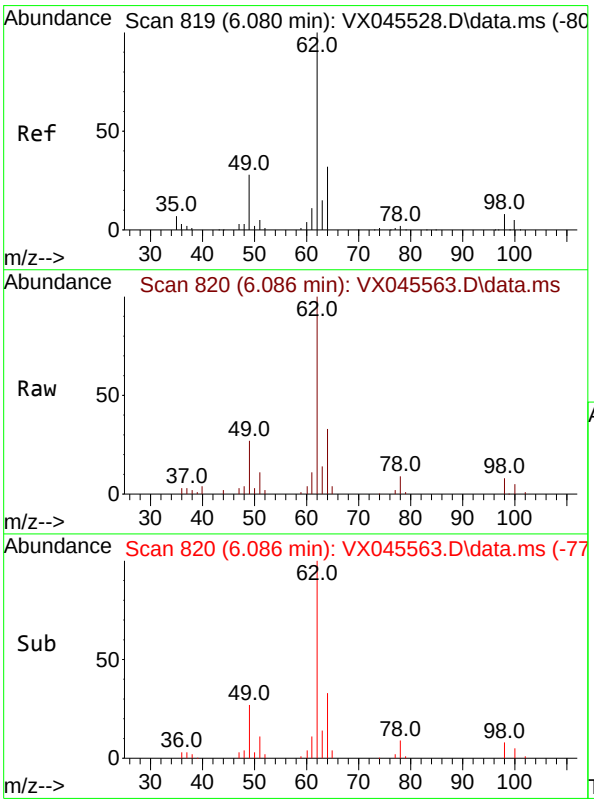
Ion	Ratio	Lower	Upper
41	100		
39	62.8	47.0	70.6
67	67.4	53.2	79.8
52	33.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

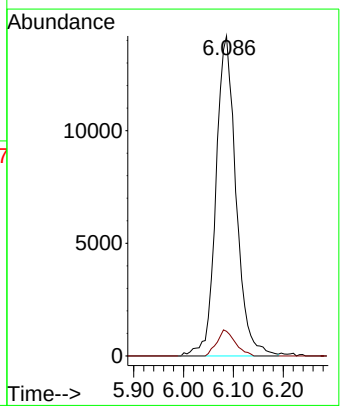
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

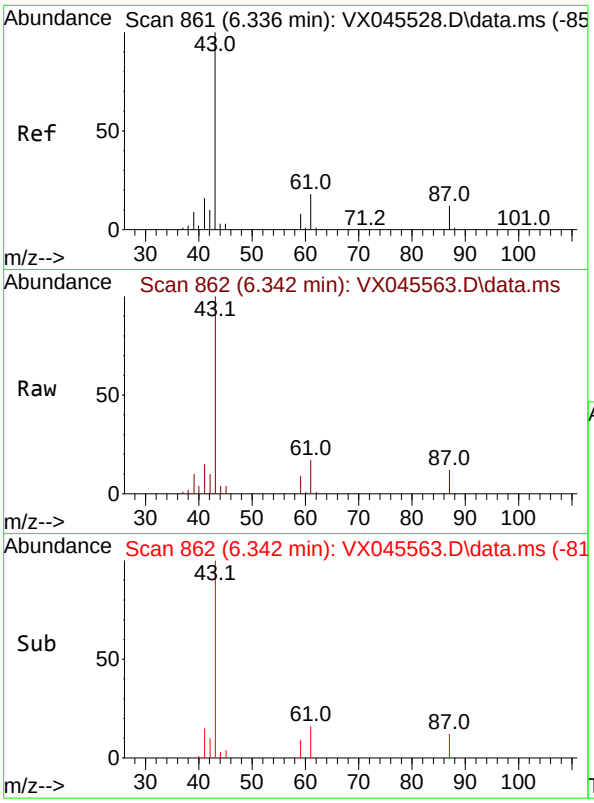


#42
1,2-Dichloroethane
Concen: 19.592 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 62 Resp: 39817

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2





#43
Isopropyl Acetate
Concen: 18.742 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

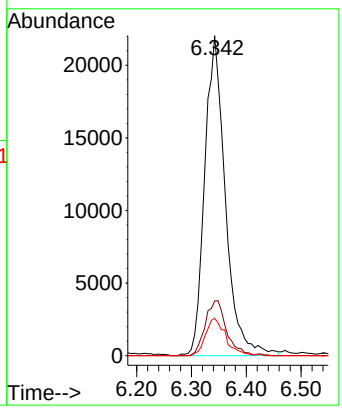
Tgt Ion: 43 Resp: 5767

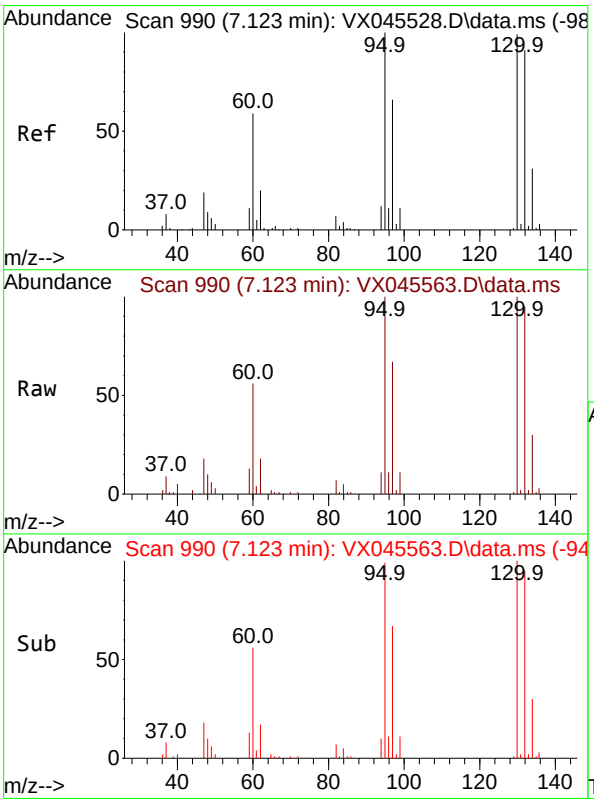
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.1	21.1
87	11.5	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

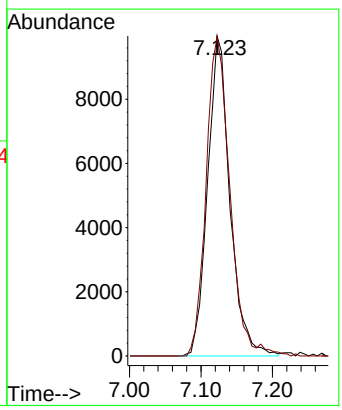


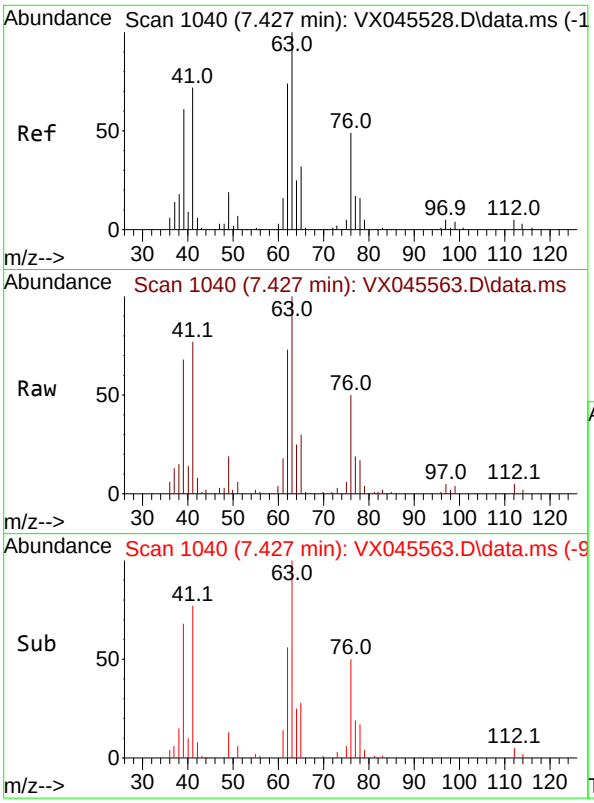


#44
Trichloroethene
Concen: 18.452 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:130 Resp: 21580

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	202.0

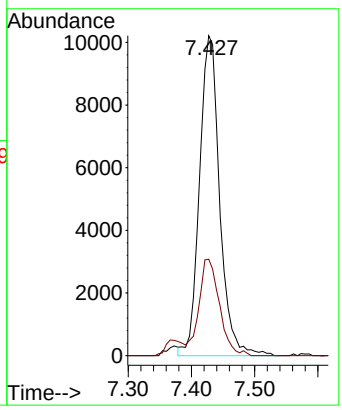




#45
1,2-Dichloropropane
Concen: 18.482 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 63 Resp: 2269

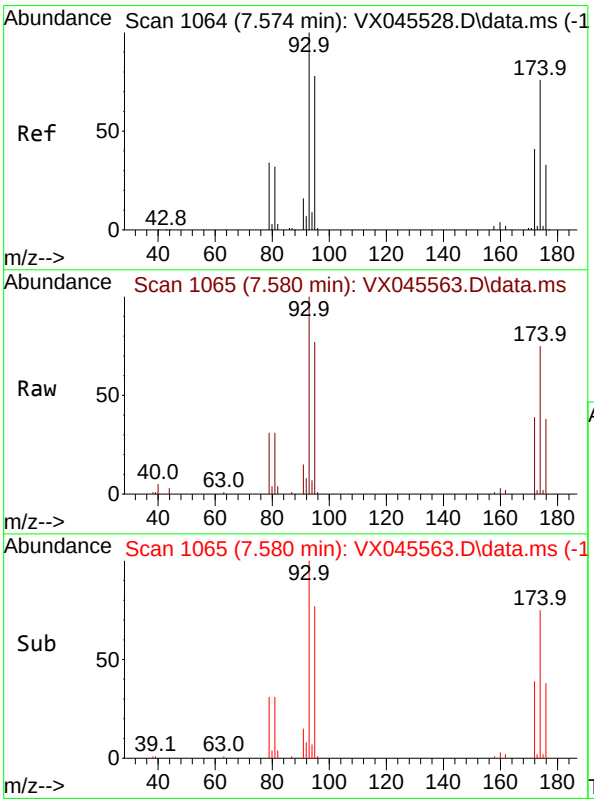
Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

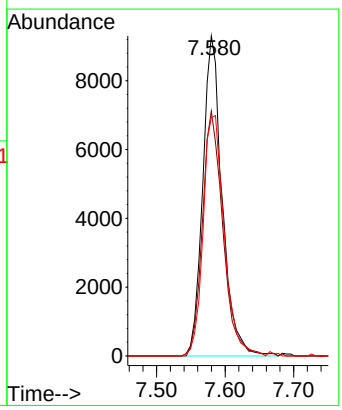
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

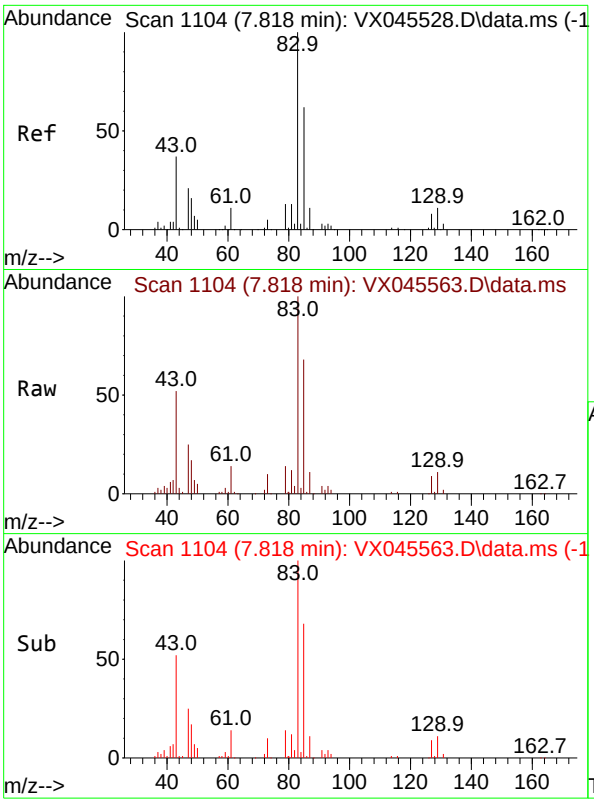


#46
Dibromomethane
Concen: 19.458 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 93 Resp: 18338

Ion	Ratio	Lower	Upper
93	100		
95	80.8	64.8	97.2
174	81.4	65.4	98.0

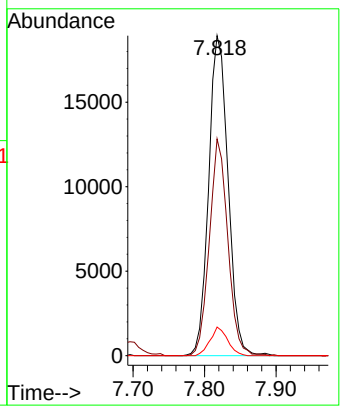




#47
Bromodichloromethane
Concen: 18.952 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 83 Resp: 3566

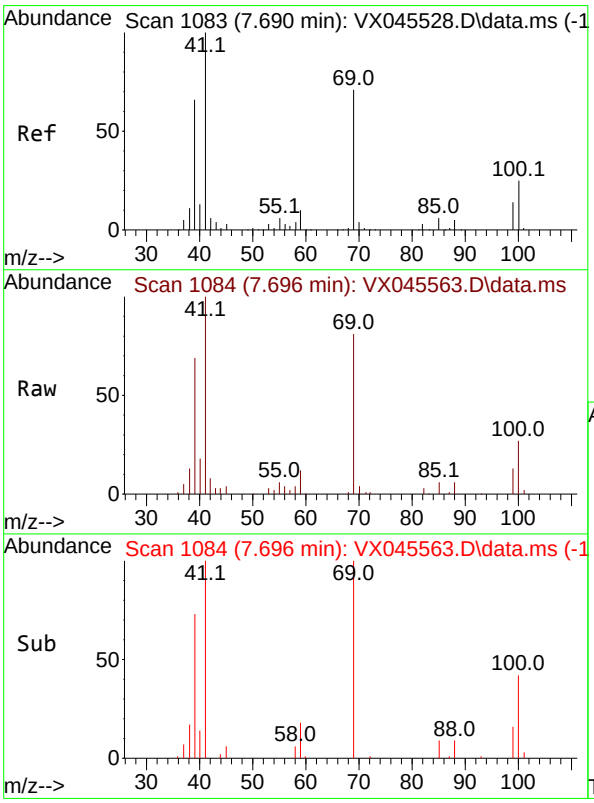
Ion	Ratio	Lower	Upper
83	100		
85	67.7	49.7	74.5
127	9.0	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

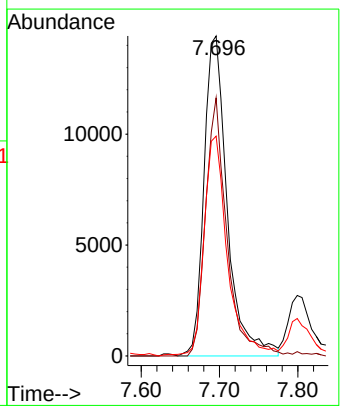
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

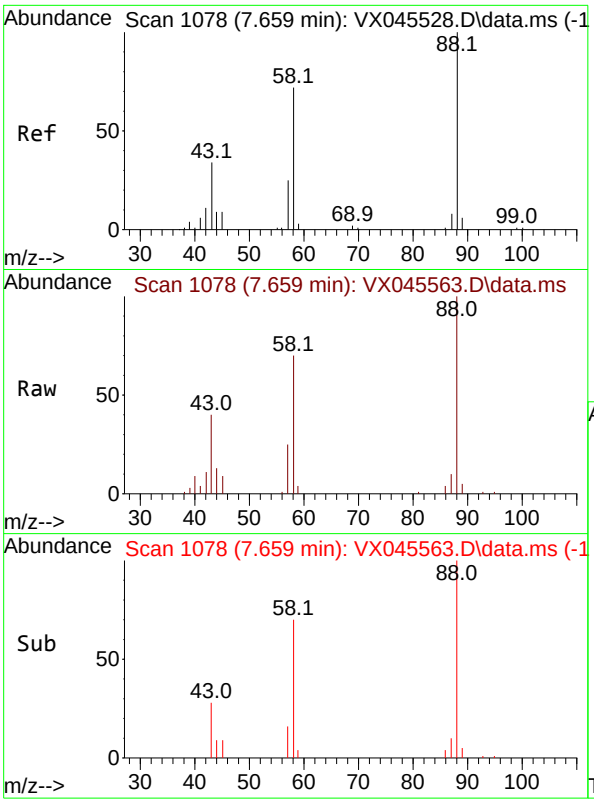


#48
Methyl methacrylate
Concen: 18.752 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 41 Resp: 29793

Ion	Ratio	Lower	Upper
41	100		
69	73.8	58.2	87.2
39	68.7	53.6	80.4

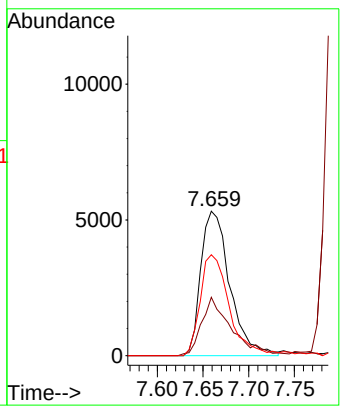




#49
1,4-Dioxane
Concen: 409.867 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 88 Resp: 1178

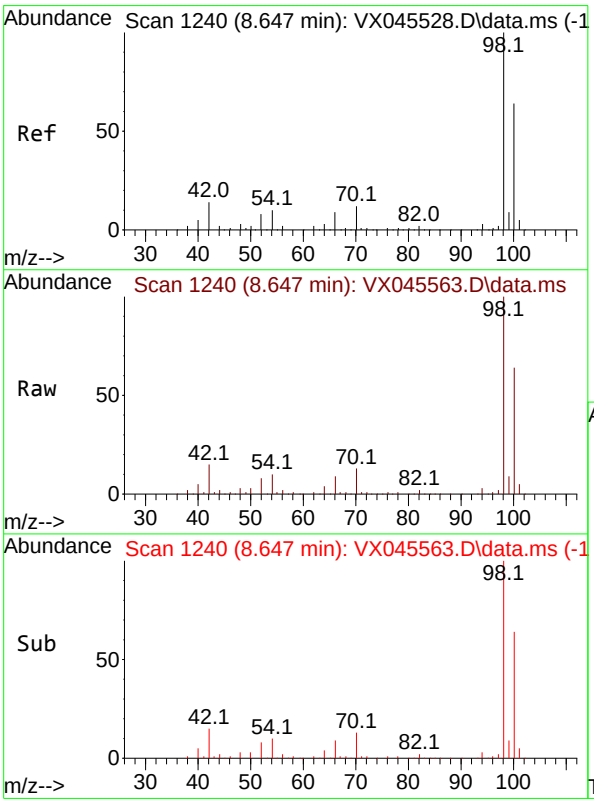
Ion	Ratio	Lower	Upper
88	100		
43	41.6	32.2	48.4
58	71.8	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

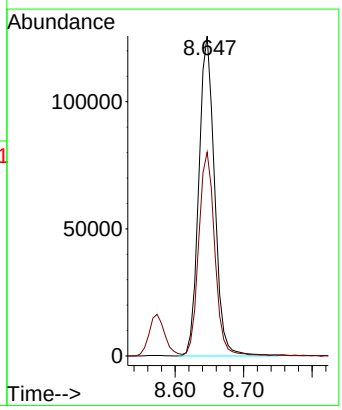
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

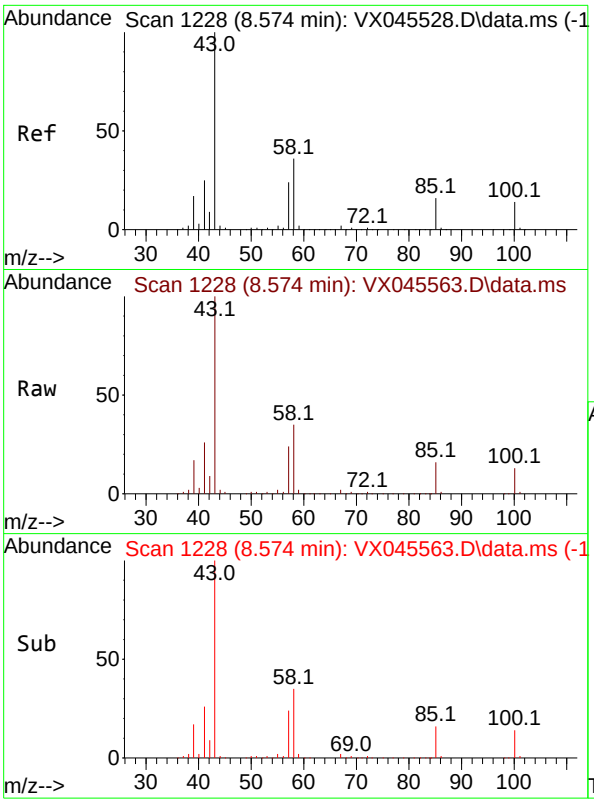


#50
Toluene-d8
Concen: 48.546 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 98 Resp: 202186

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.4

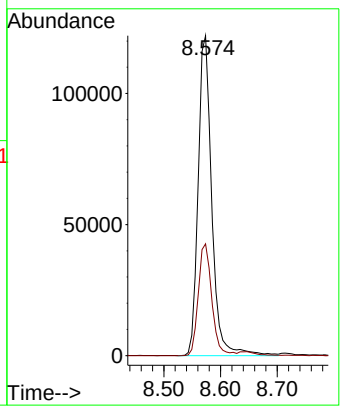




#51
4-Methyl-2-Pentanone
Concen: 100.048 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 43 Resp: 20409

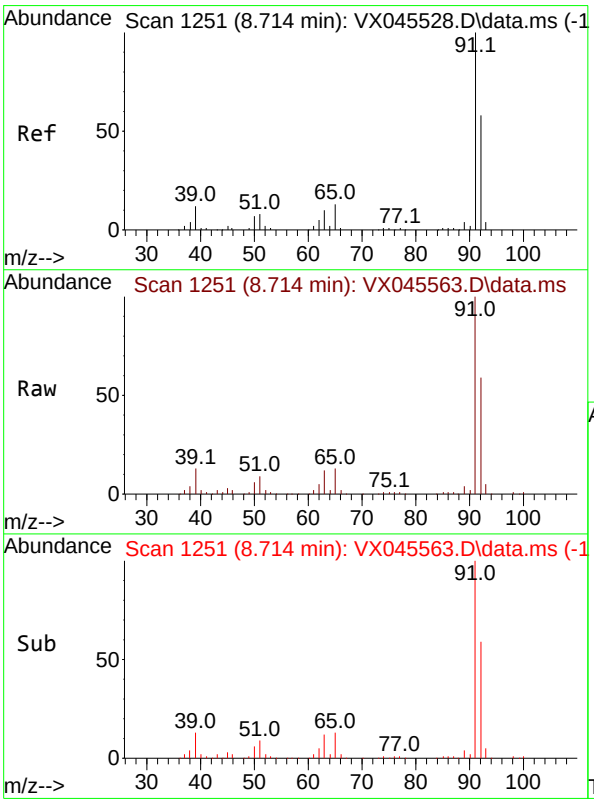
Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

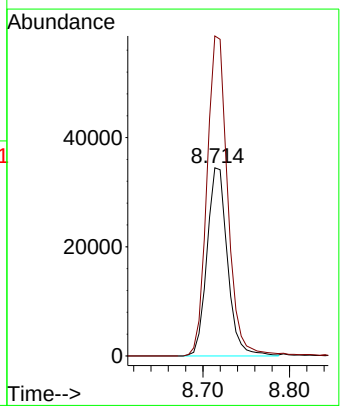
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

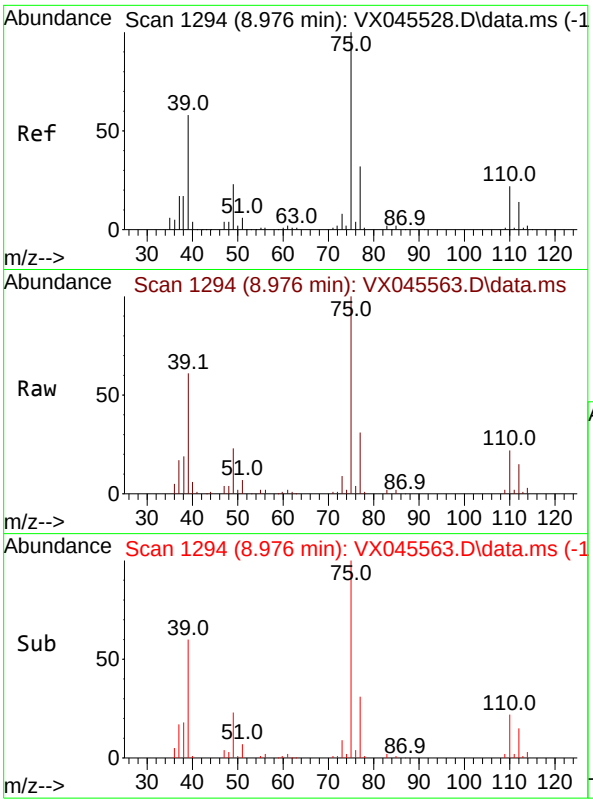


#52
Toluene
Concen: 19.009 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 92 Resp: 56597

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.7	208.1

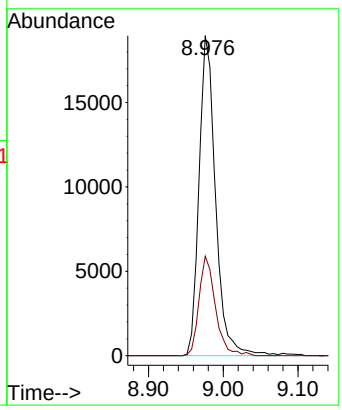




#53
t-1,3-Dichloropropene
Concen: 17.610 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 75 Resp: 2905

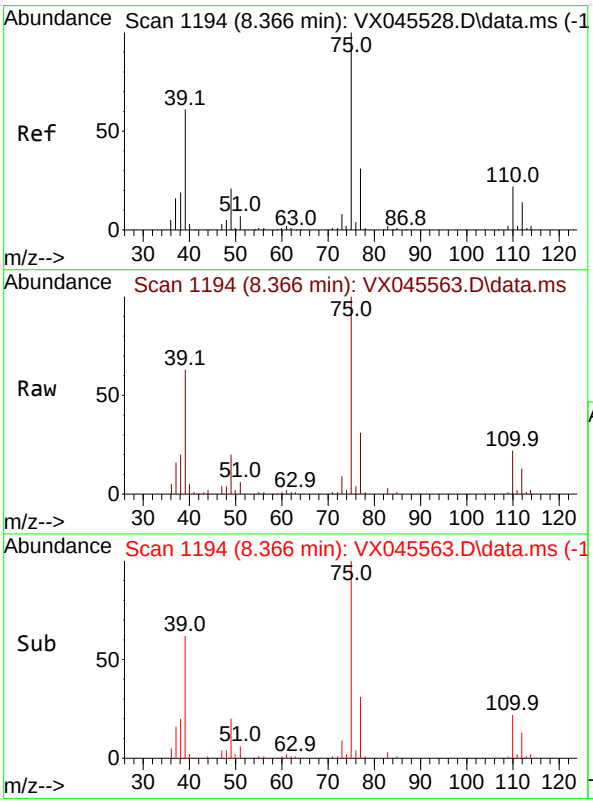
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

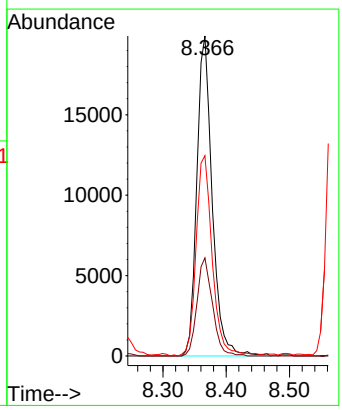
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

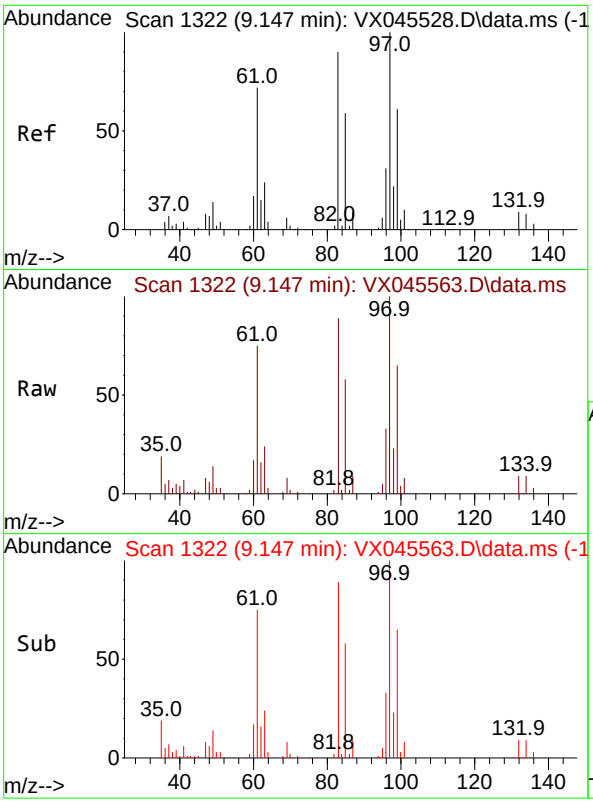


#54
cis-1,3-Dichloropropene
Concen: 19.051 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 75 Resp: 33695

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.6	36.8
39	62.6	48.4	72.6

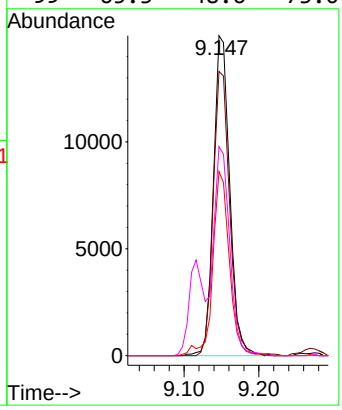




#55
1,1,2-Trichloroethane
Concen: 19.068 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 97 Resp: 2262

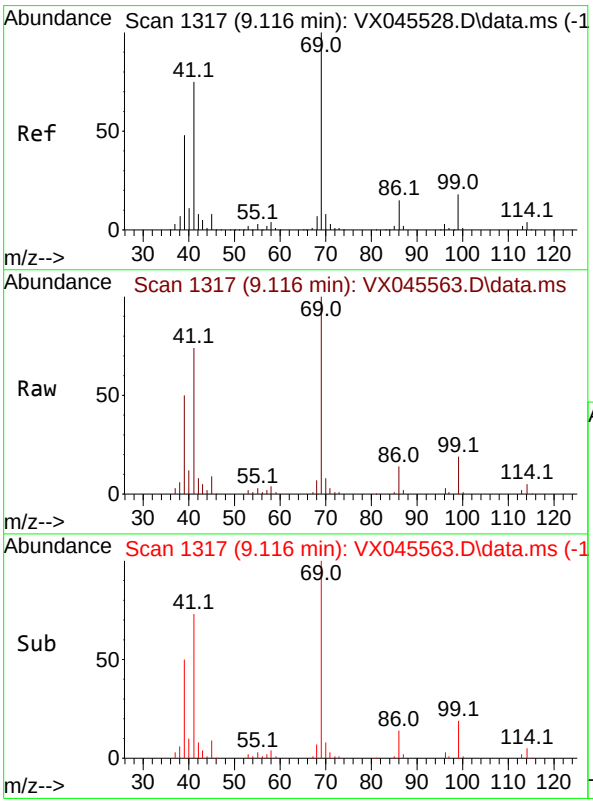
Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.8	107.8
85	57.6	47.0	70.6
99	65.3	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

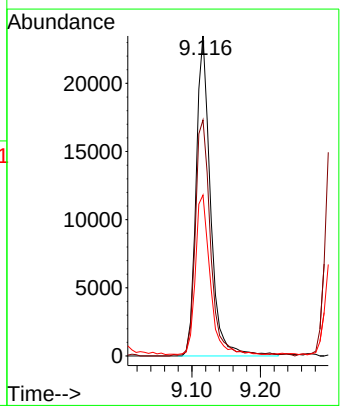
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

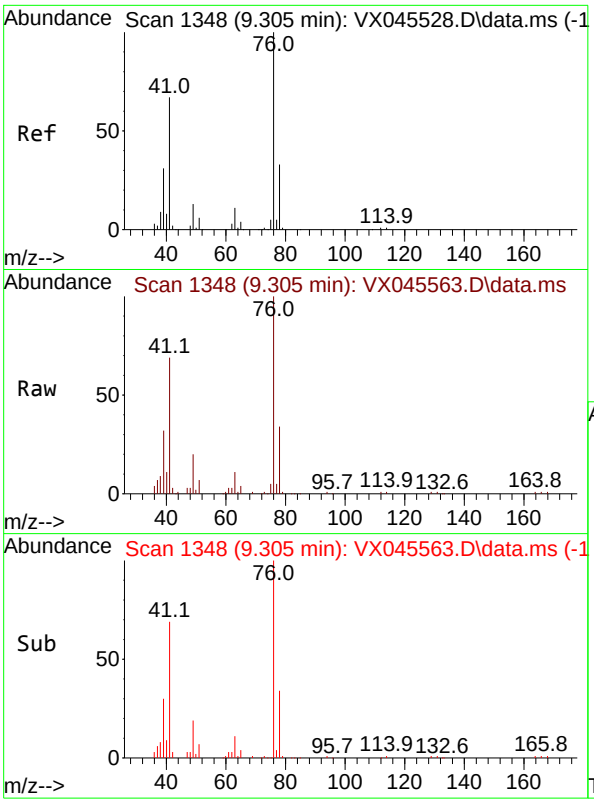


#56
Ethyl methacrylate
Concen: 18.735 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 69 Resp: 34400

Ion	Ratio	Lower	Upper
69	100		
41	78.9	61.3	91.9
39	51.1	40.2	60.2

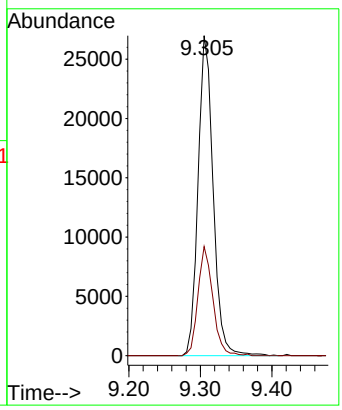




#57
1,3-Dichloropropane
Concen: 19.120 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 76 Resp: 3950

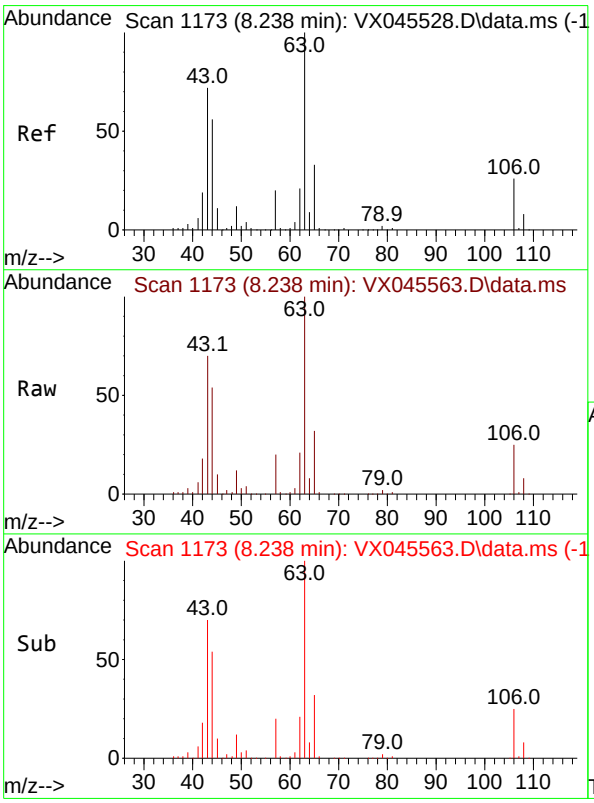
Ion	Ratio	Lower	Upper
76	100		
78	33.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

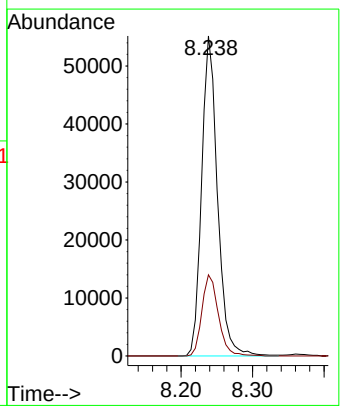
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

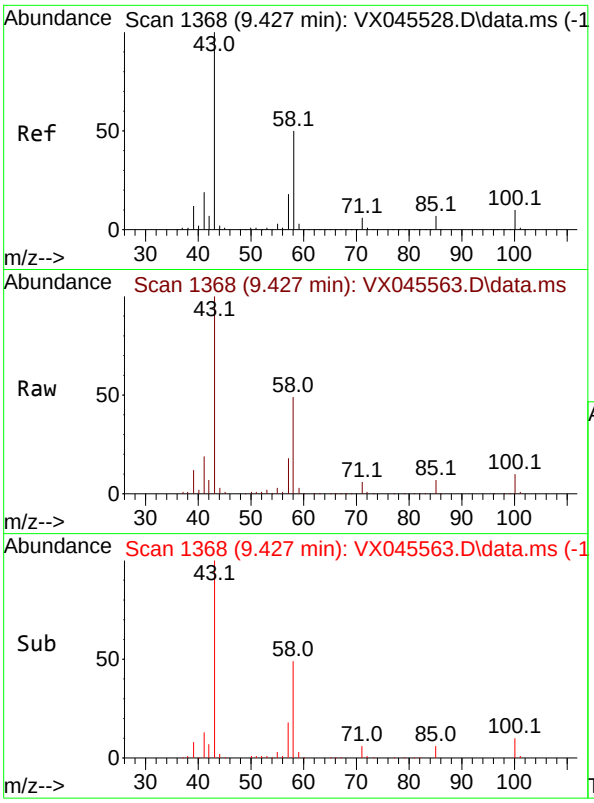


#58
2-Chloroethyl Vinyl ether
Concen: 91.451 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 63 Resp: 84945

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.6

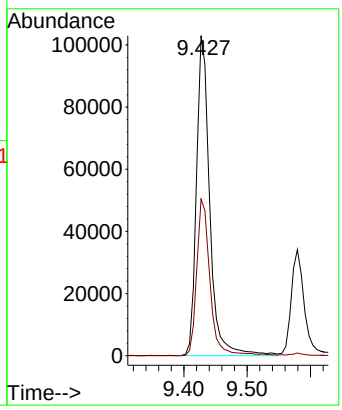




#59
2-Hexanone
Concen: 99.982 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 43 Resp: 15103

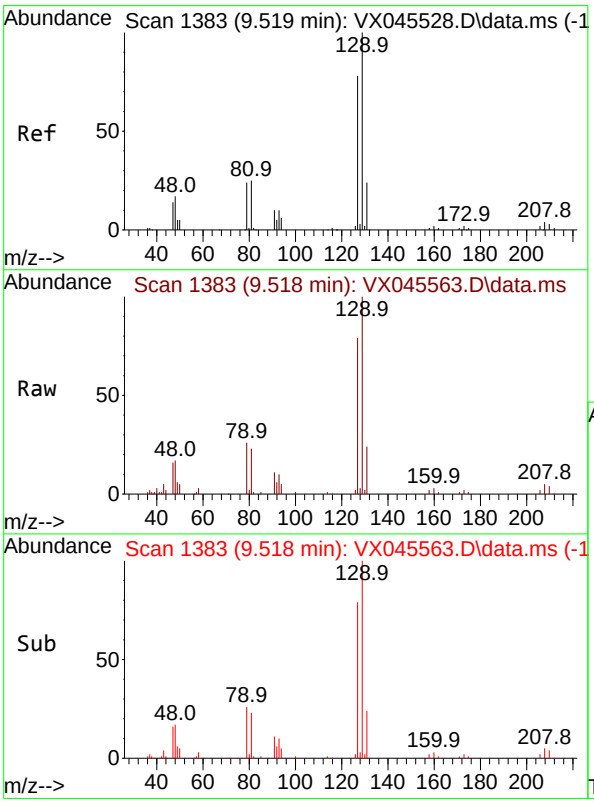
Ion	Ratio	Lower	Upper
43	100		
58	48.9	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

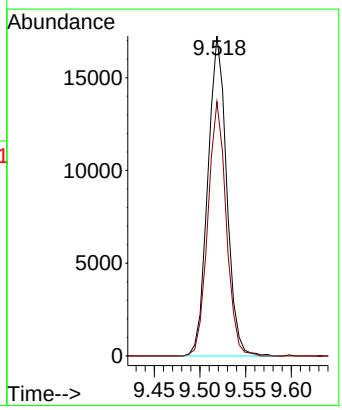
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

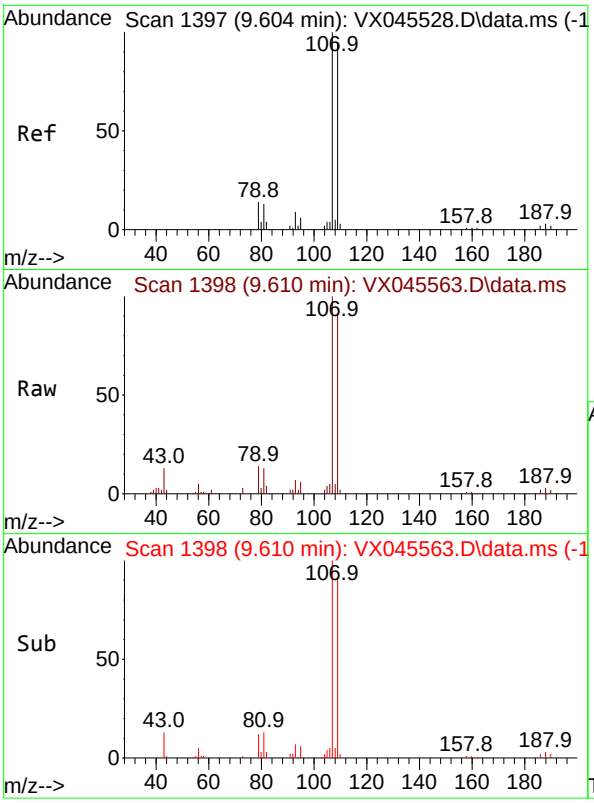


#60
Dibromochloromethane
Concen: 19.084 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:129 Resp: 24684

Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.4	118.2

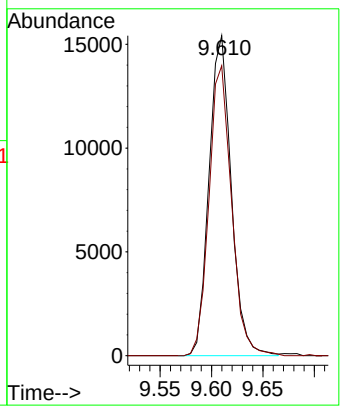




#61
1,2-Dibromoethane
Concen: 19.260 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:107 Resp: 2313

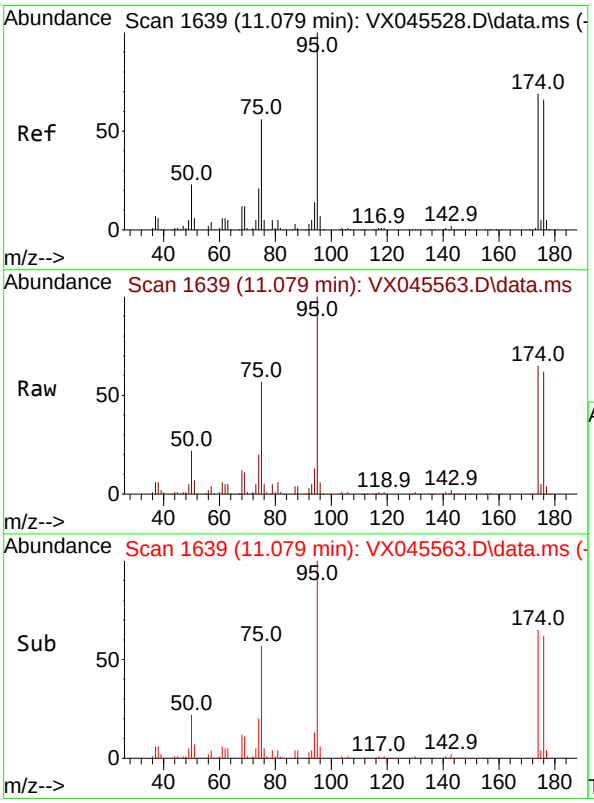
Ion	Ratio	Lower	Upper
107	100		
109	92.1	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

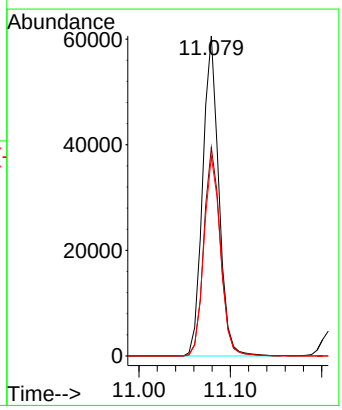
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

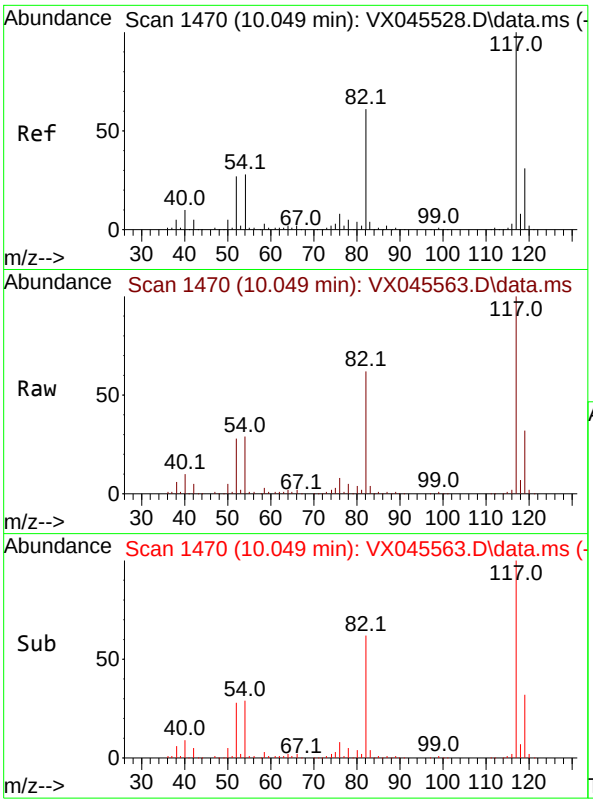


#62
4-Bromofluorobenzene
Concen: 49.015 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 95 Resp: 74358

Ion	Ratio	Lower	Upper
95	100		
174	67.0	0.0	135.8
176	64.3	0.0	131.4

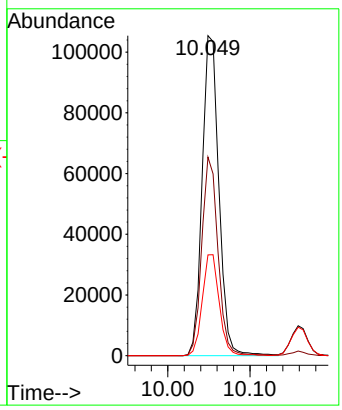




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:117 Resp: 14905

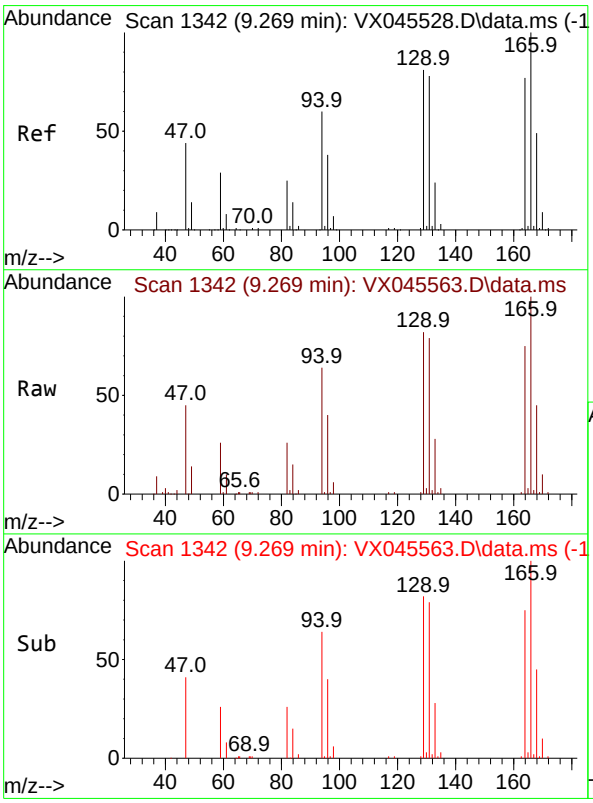
Ion	Ratio	Lower	Upper
117	100		
82	62.1	49.2	73.8
119	31.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

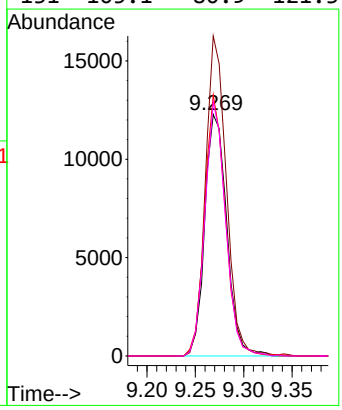
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

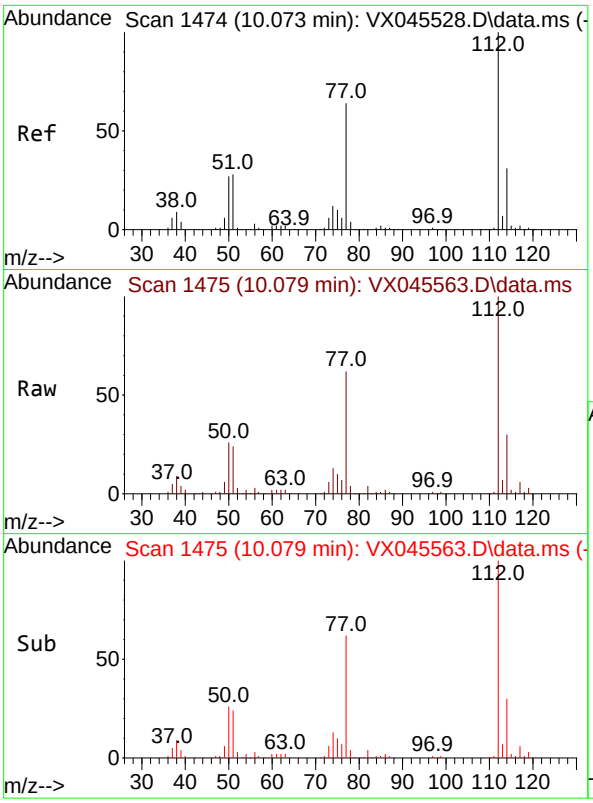


#64
Tetrachloroethene
Concen: 18.445 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:164 Resp: 19411

Ion	Ratio	Lower	Upper
164	100		
166	132.5	103.8	155.8
129	108.1	84.3	126.5
131	105.1	80.9	121.3

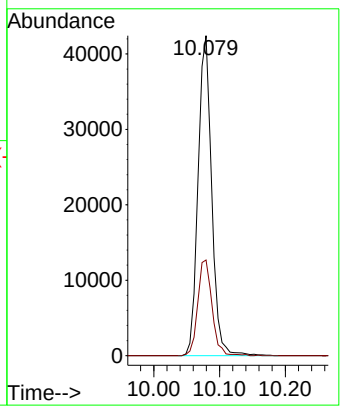




#65
Chlorobenzene
Concen: 19.149 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:112 Resp: 6098

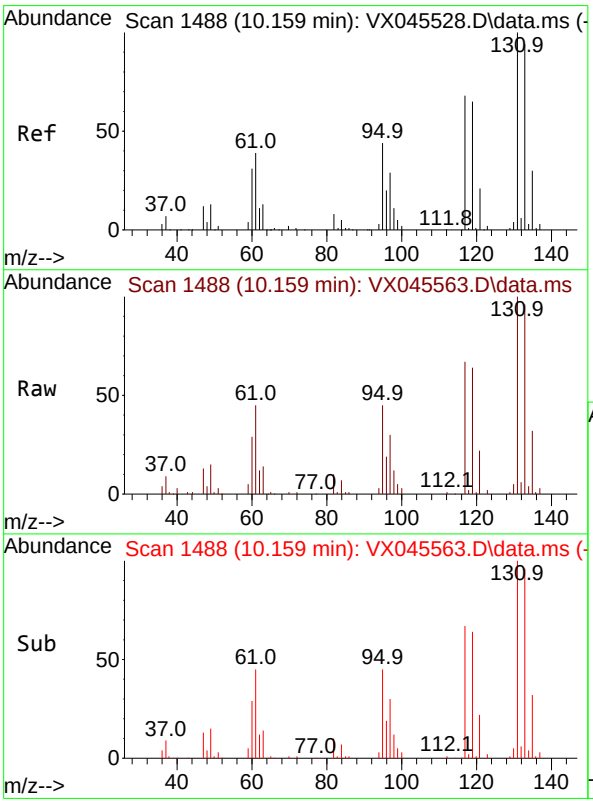
Ion	Ratio	Lower	Upper
112	100		
114	29.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

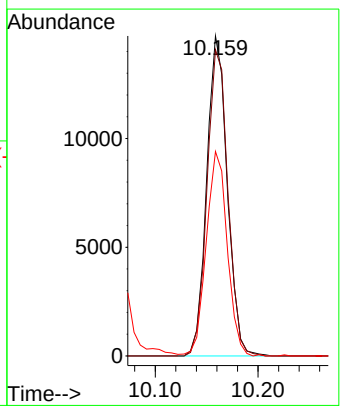
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

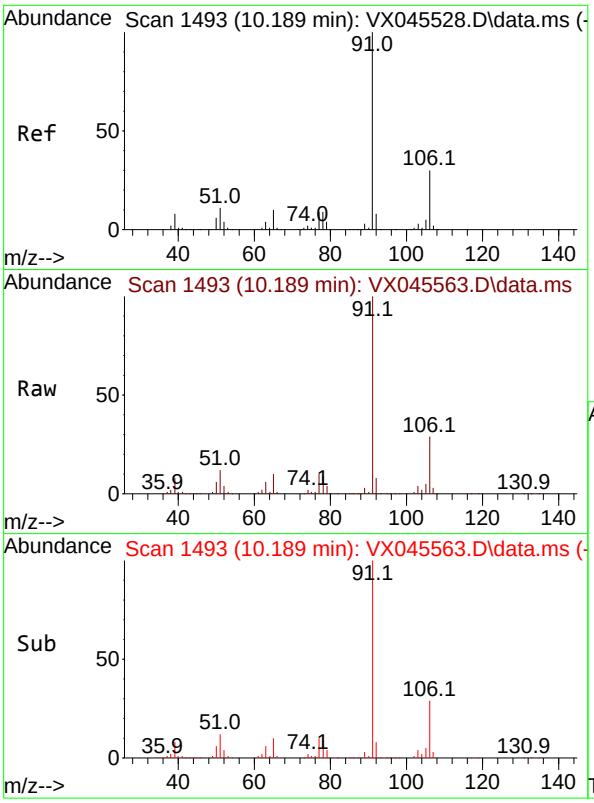


#66
1,1,1,2-Tetrachloroethane
Concen: 18.479 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:131 Resp: 20434

Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.5	142.5
119	65.3	32.9	98.6





#67
Ethyl Benzene
Concen: 19.101 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

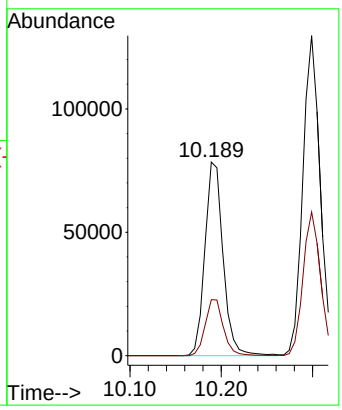
Tgt Ion: 91 Resp: 10895

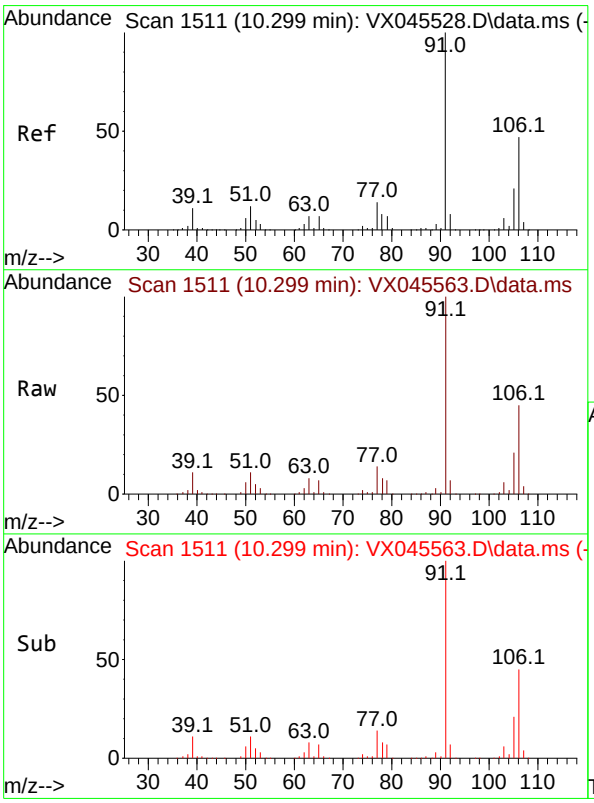
Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.7	35.5

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

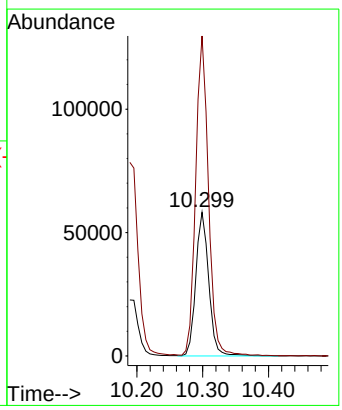


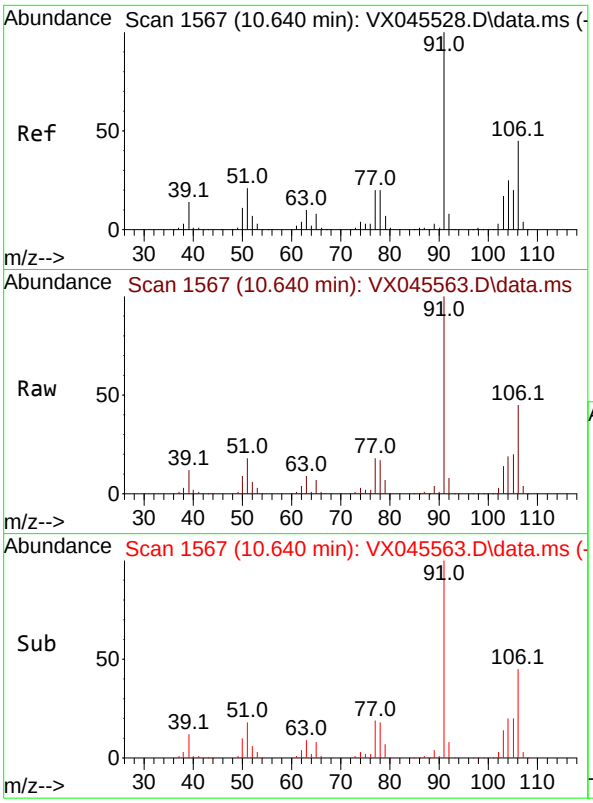


#68
m/p-Xylenes
Concen: 38.276 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:106 Resp: 79412

Ion	Ratio	Lower	Upper
106	100		
91	220.3	172.6	258.8

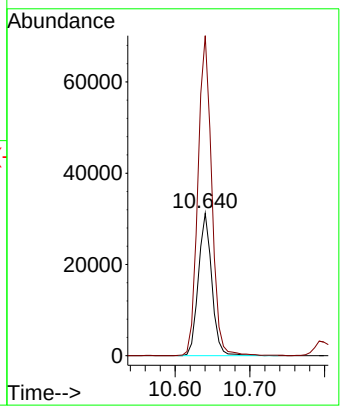




#69
o-Xylene
Concen: 19.052 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:106 Resp: 3893

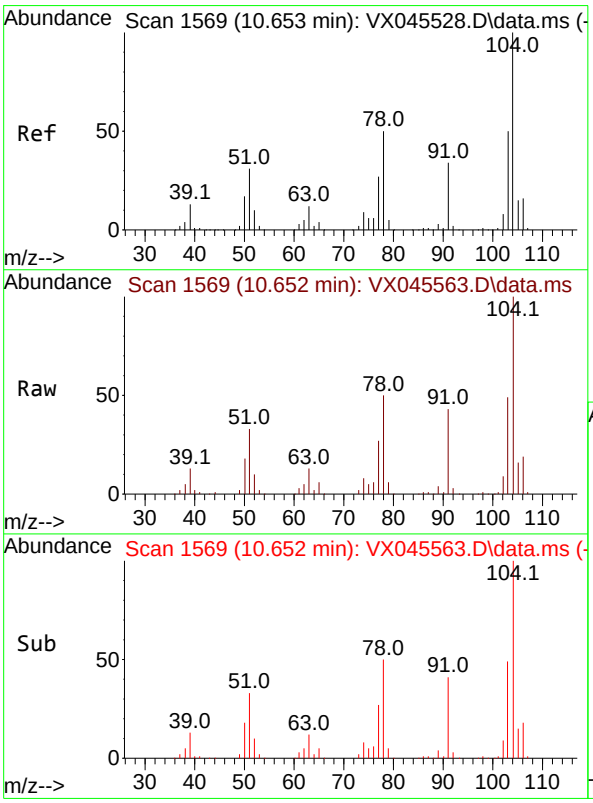
Ion	Ratio	Lower	Upper
106	100		
91	230.5	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

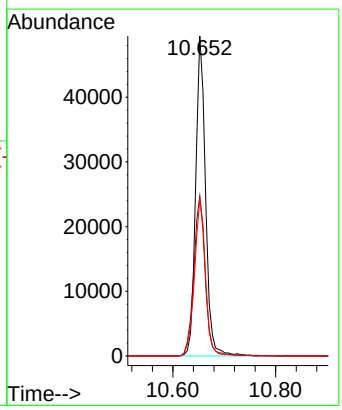
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

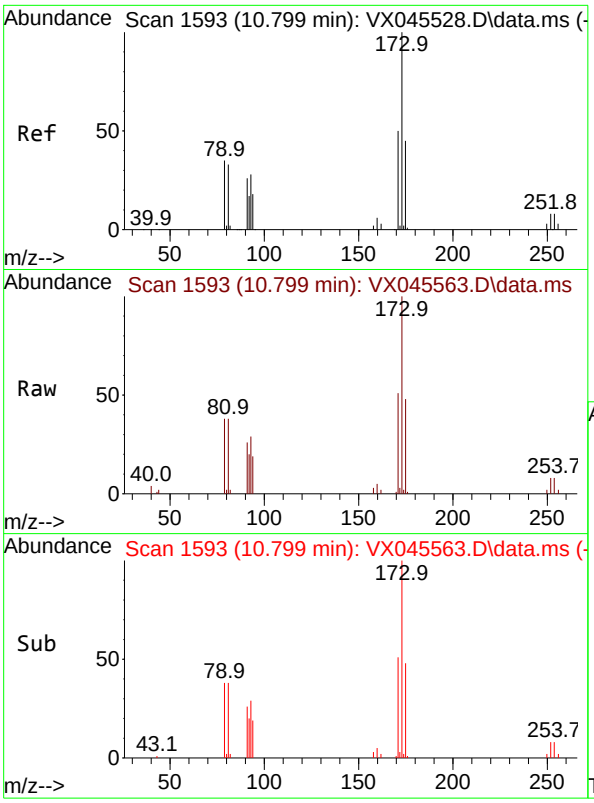


#70
Styrene
Concen: 19.607 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:104 Resp: 66139

Ion	Ratio	Lower	Upper
104	100		
78	57.2	45.4	68.2
103	55.0	43.8	65.8

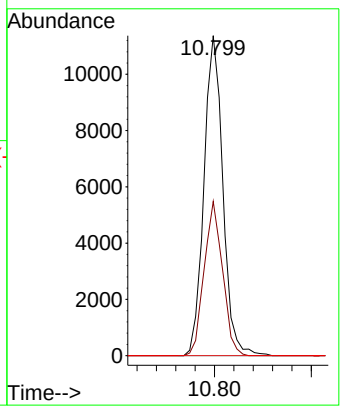




#71
Bromoform
Concen: 18.743 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:173 Resp: 1547

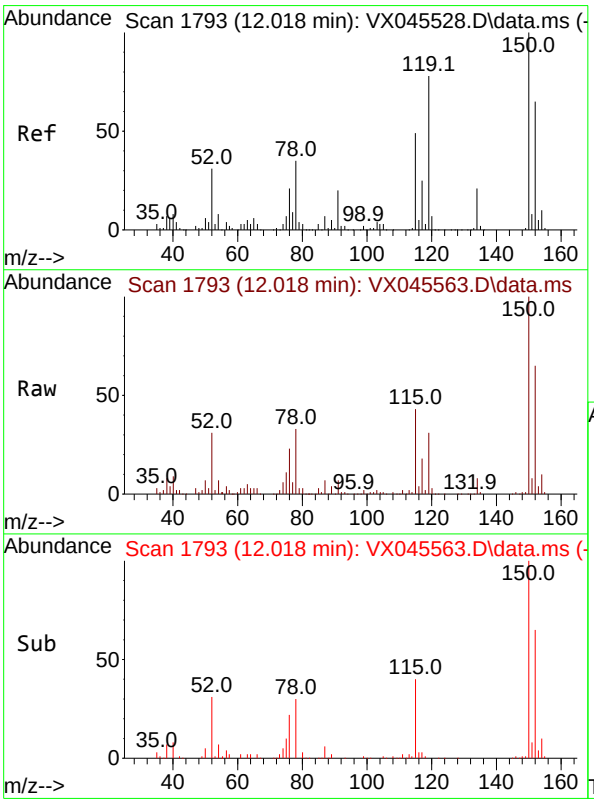
Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

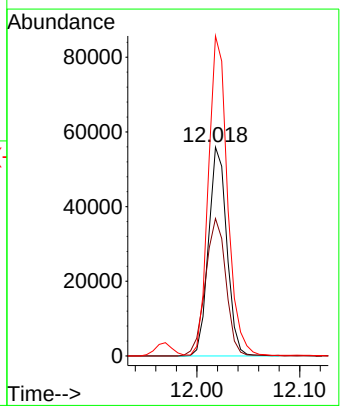
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

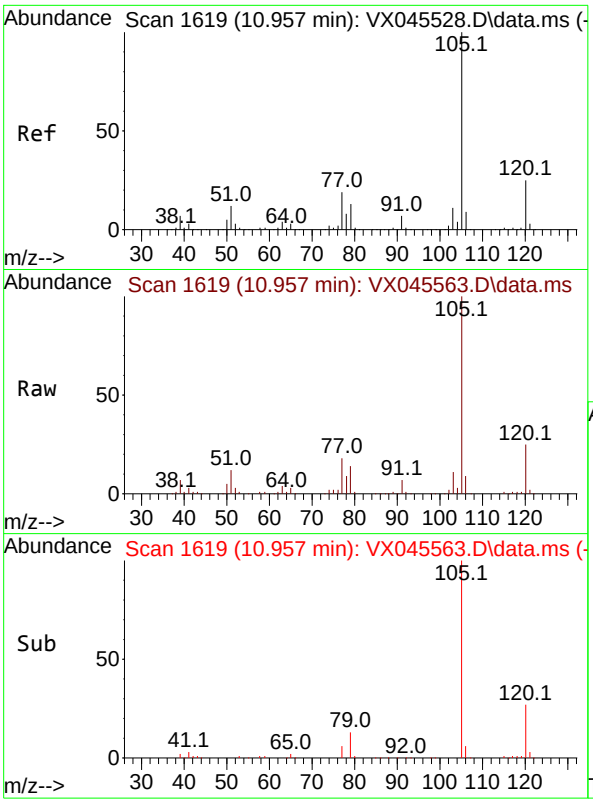


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:152 Resp: 68919

Ion	Ratio	Lower	Upper
152	100		
115	74.1	46.9	140.7
150	160.0	0.0	349.4

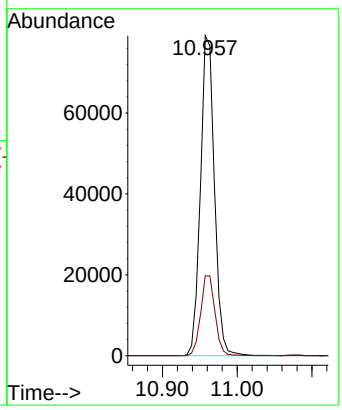




#73
Isopropylbenzene
Concen: 18.660 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:105 Resp: 10301

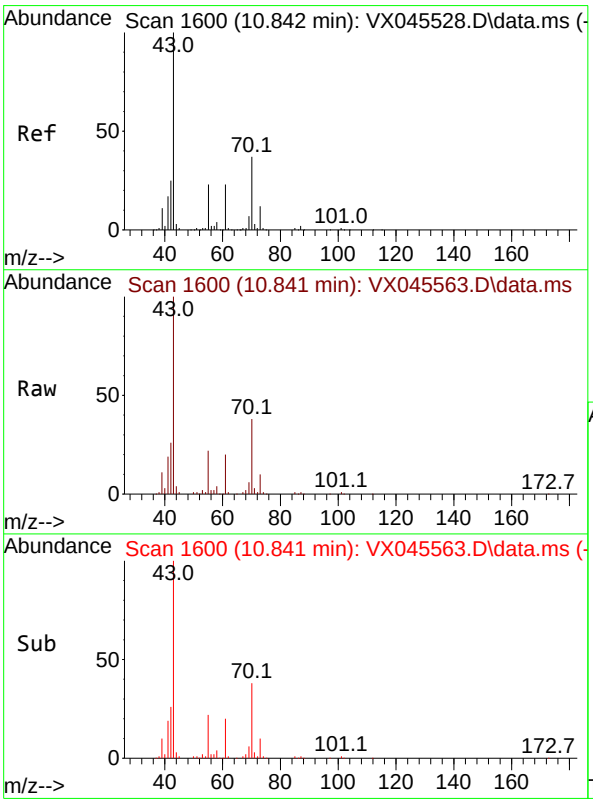
Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

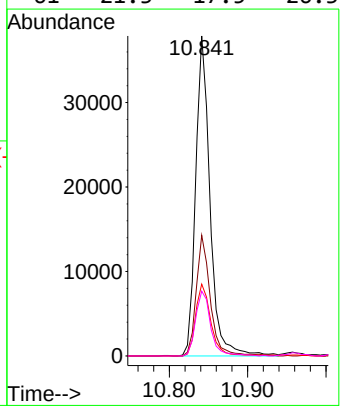
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

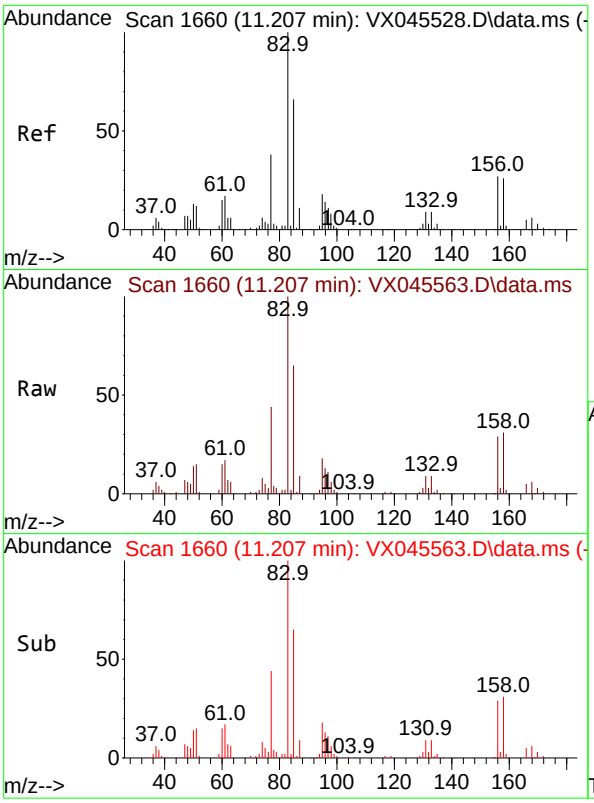


#74
N-amyl acetate
Concen: 18.332 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 43 Resp: 48409

Ion	Ratio	Lower	Upper
43	100		
70	37.3	30.1	45.1
55	23.8	18.3	27.5
61	21.3	17.5	26.3

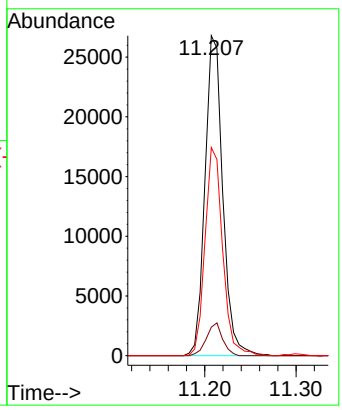




#75
1,1,2,2-Tetrachloroethane
Concen: 18.620 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 83 Resp: 3610

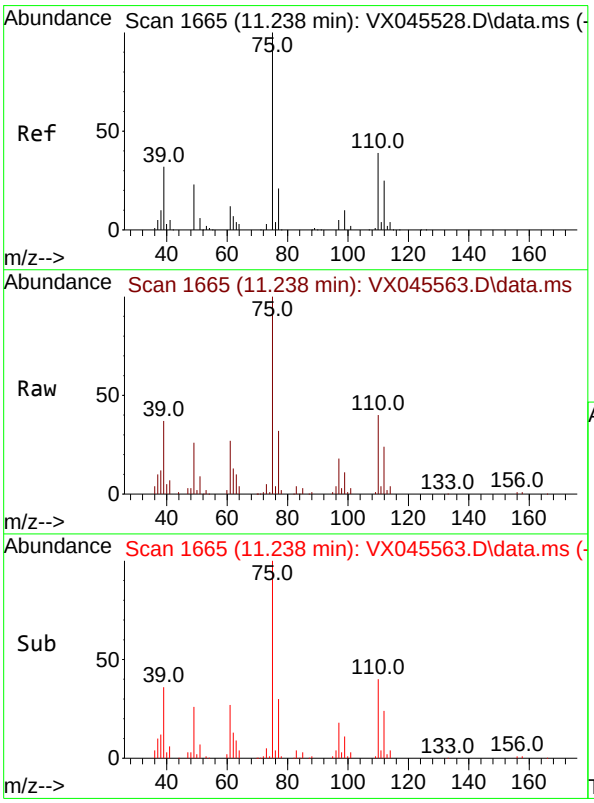
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.1
85	64.4	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

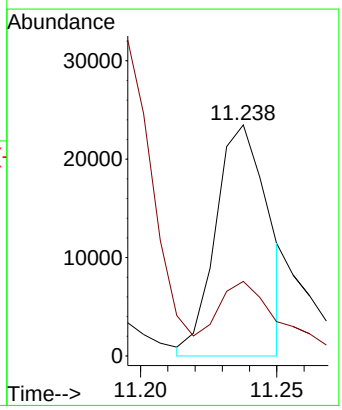
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

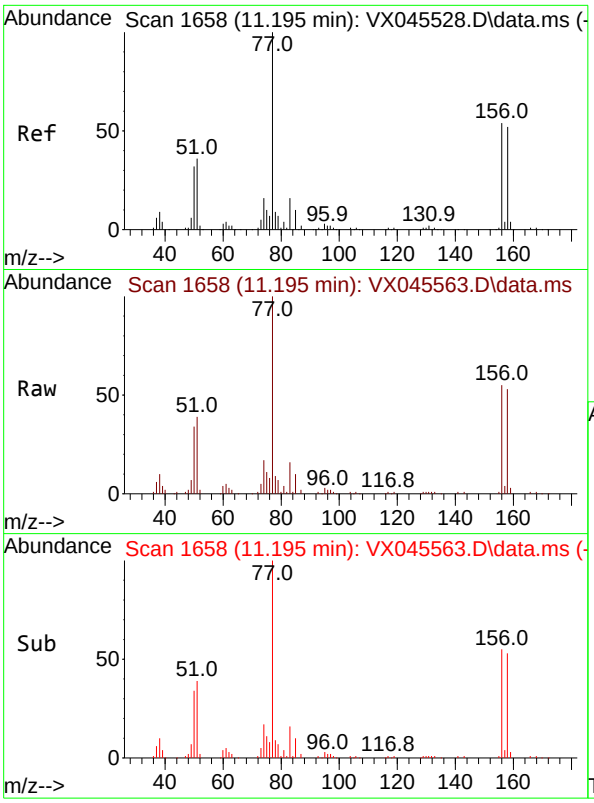


#76
1,2,3-Trichloropropane
Concen: 18.624 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 75 Resp: 31309

Ion	Ratio	Lower	Upper
75	100		
77	39.3	20.0	59.9

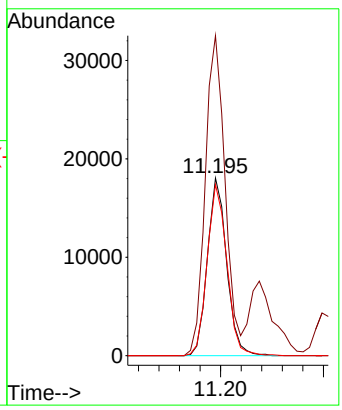




#77
Bromobenzene
Concen: 18.399 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:156 Resp: 2346

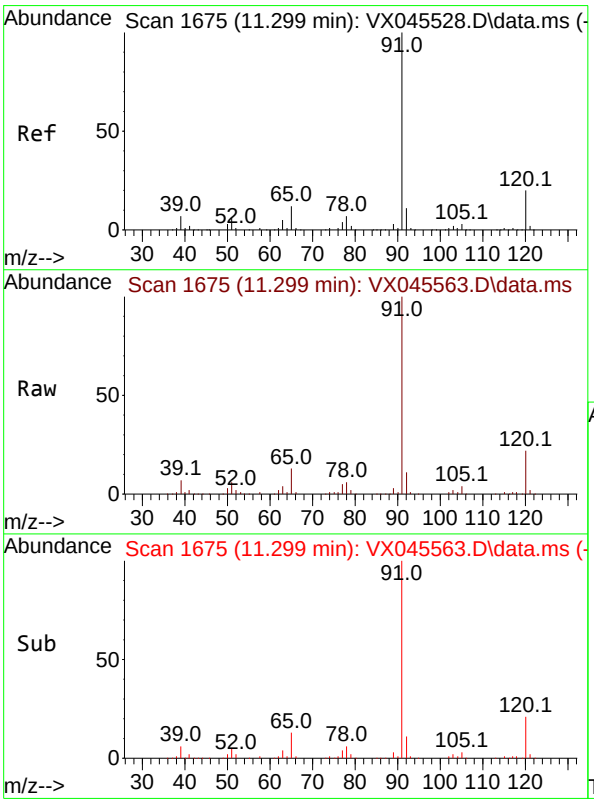
Ion	Ratio	Lower	Upper
156	100		
77	185.2	92.6	277.8
158	98.8	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

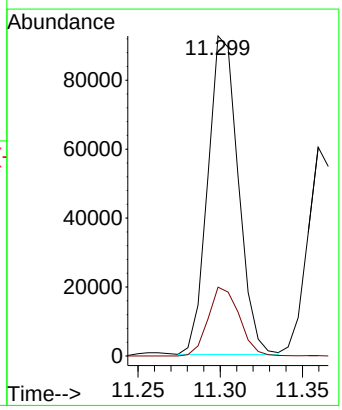
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

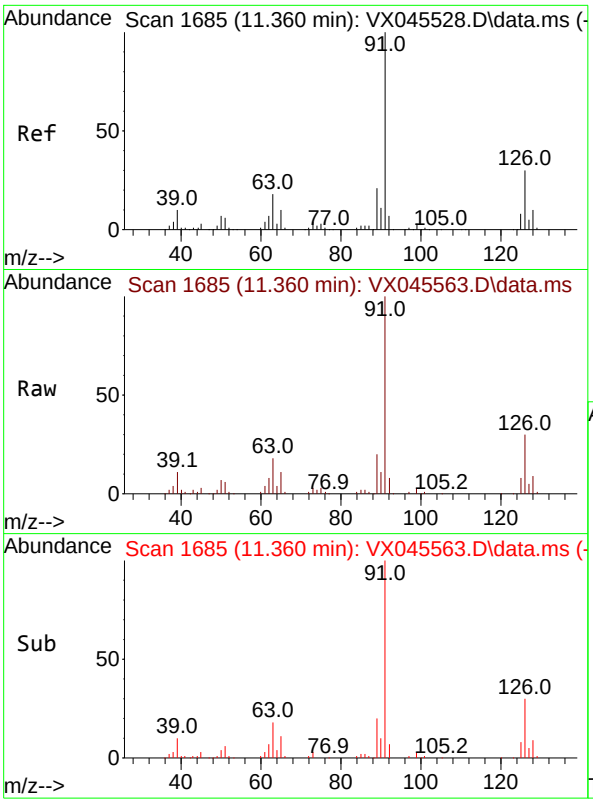


#78
n-propylbenzene
Concen: 18.717 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 91 Resp: 119014

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.3





#79
2-Chlorotoluene
Concen: 18.633 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

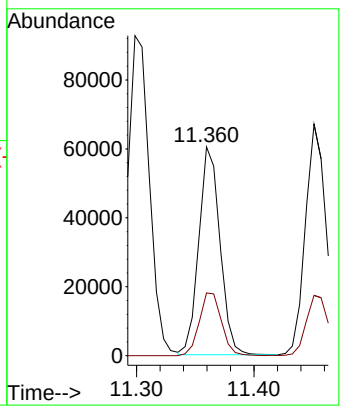
Tgt Ion: 91 Resp: 7574

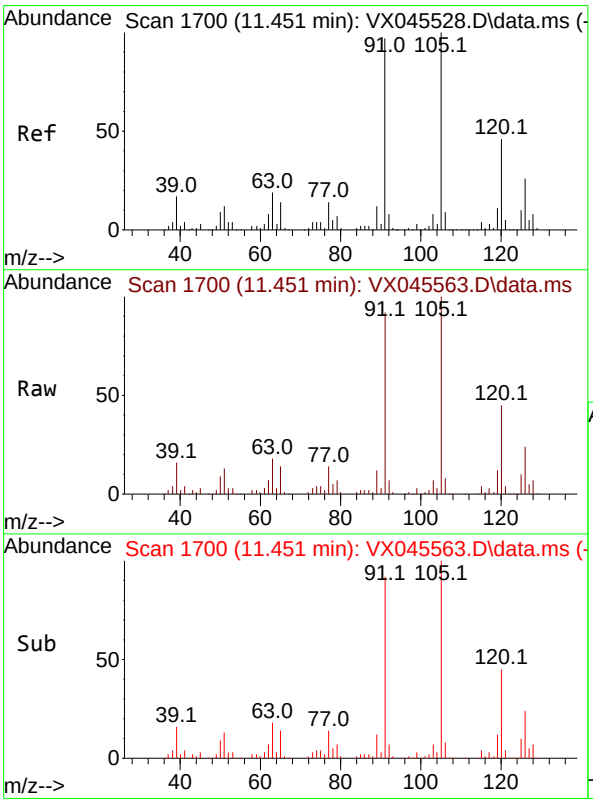
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

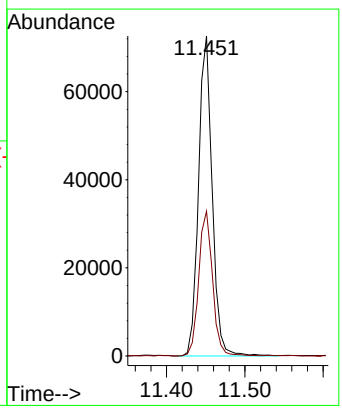


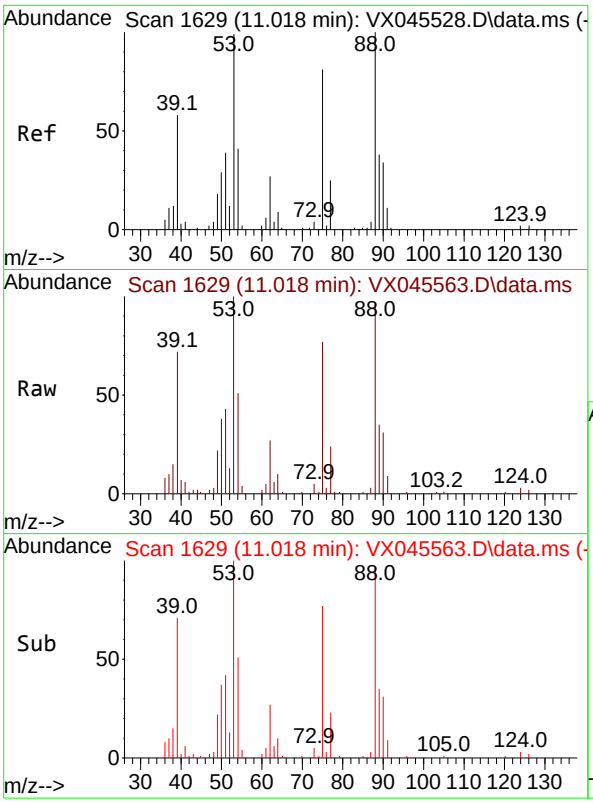


#80
1,3,5-Trimethylbenzene
Concen: 19.270 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:105 Resp: 87968

Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 16.837 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

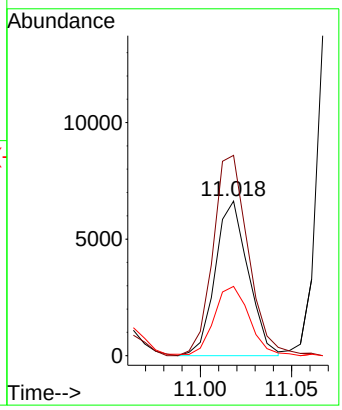
Tgt Ion: 75 Resp: 834

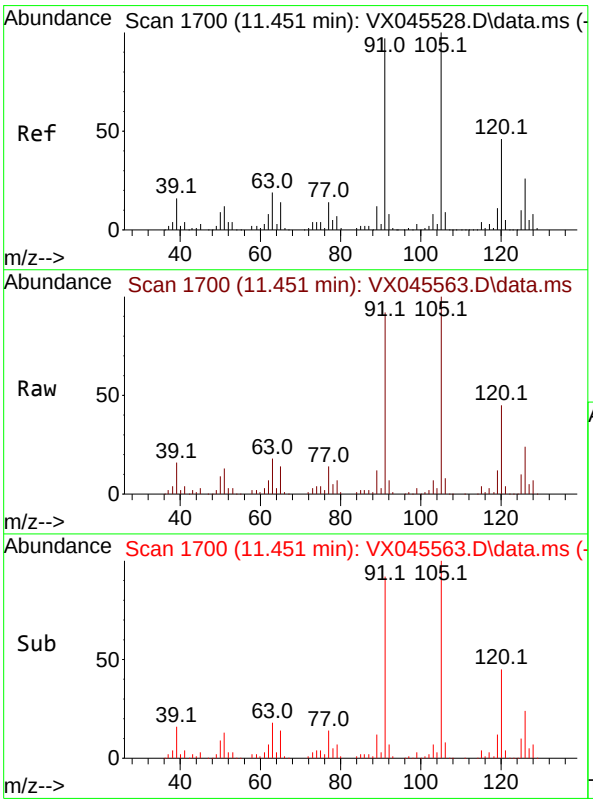
Ion	Ratio	Lower	Upper
75	100		
53	138.6	101.8	152.6
89	48.0	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

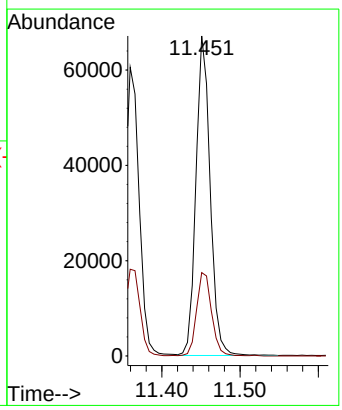


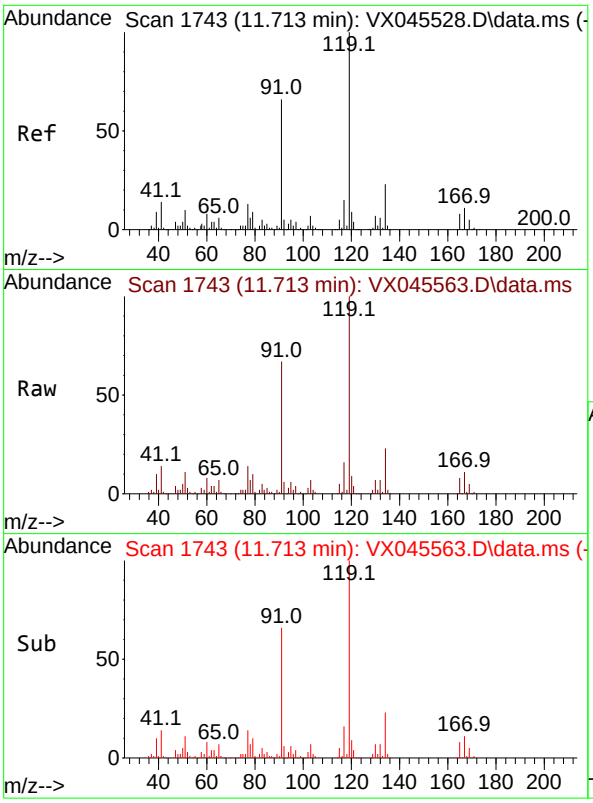


#82
4-Chlorotoluene
Concen: 18.710 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 91 Resp: 84800

Ion	Ratio	Lower	Upper
91	100		
126	27.2	13.3	39.9

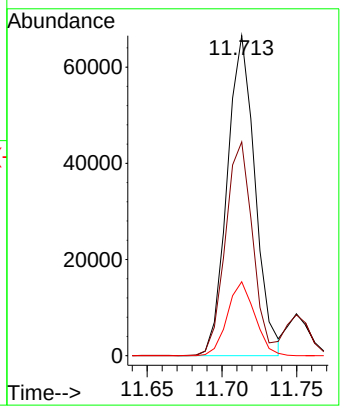




#83
tert-Butylbenzene
Concen: 19.049 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:119 Resp: 8608

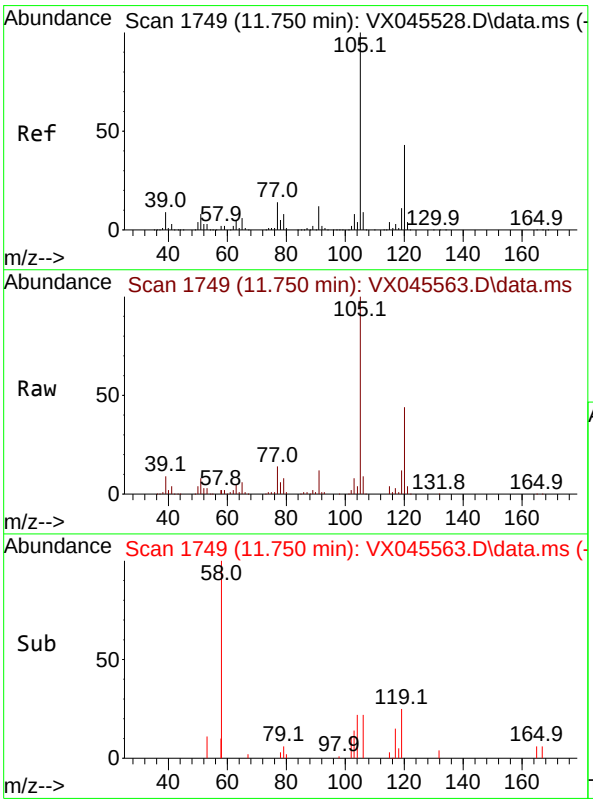
Ion	Ratio	Lower	Upper
119	100		
91	66.2	32.4	97.2
134	22.7	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

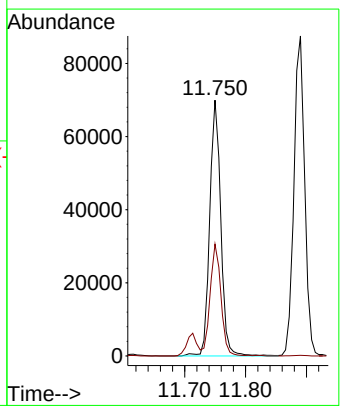
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

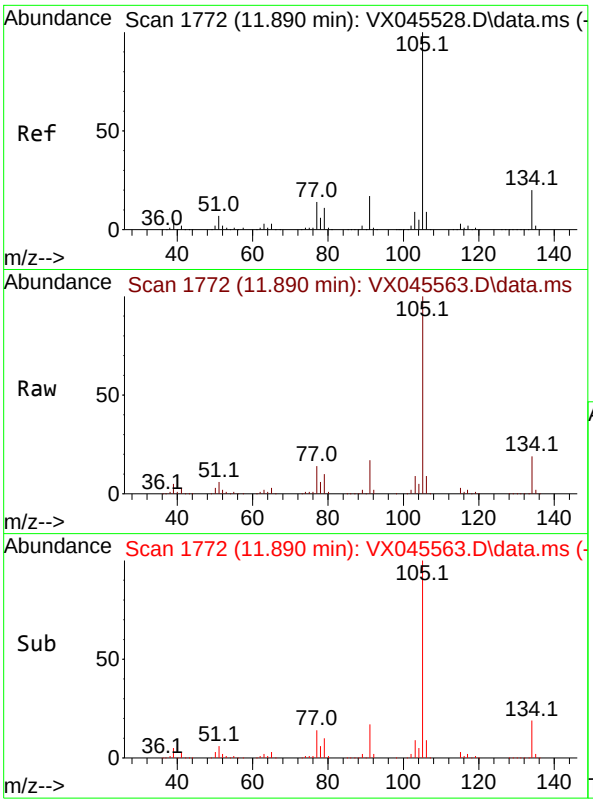


#84
1,2,4-Trimethylbenzene
Concen: 19.196 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:105 Resp: 87951

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.4	64.3

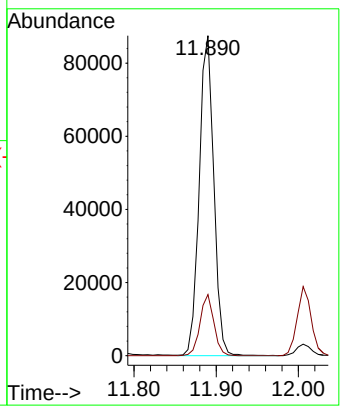




#85
sec-Butylbenzene
Concen: 19.401 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:105 Resp: 10769

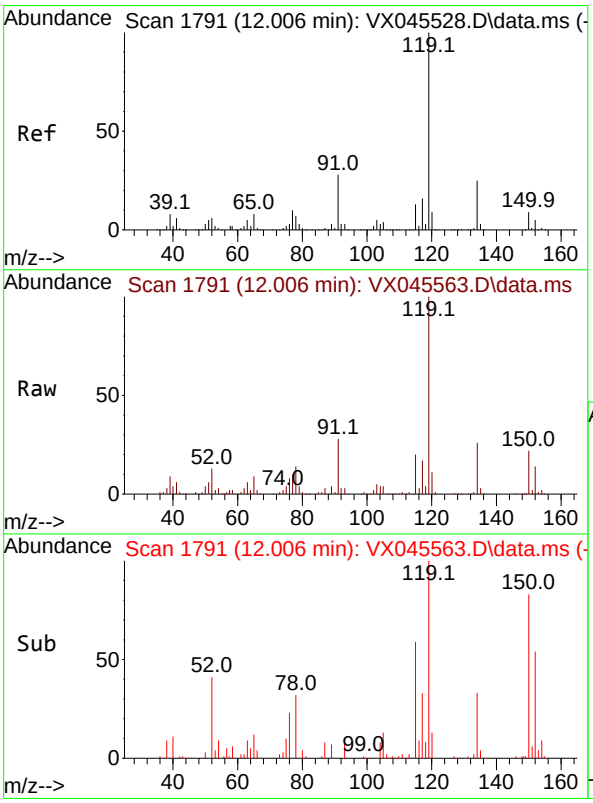
Ion	Ratio	Lower	Upper
105	100		
134	18.1	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

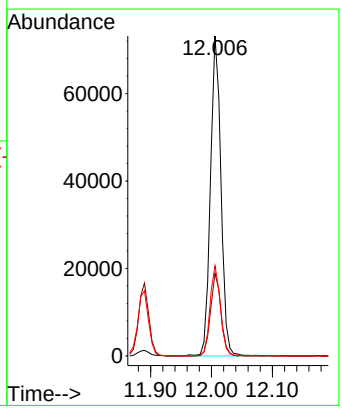
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

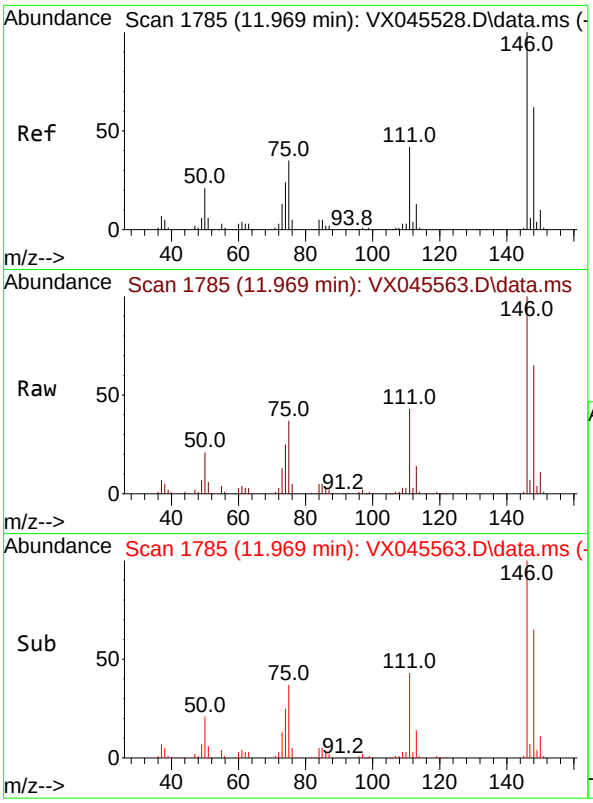


#86
p-Isopropyltoluene
Concen: 19.078 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:119 Resp: 87307

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	27.8	13.7	41.1

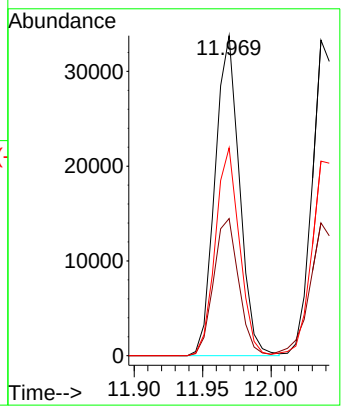




#87
1,3-Dichlorobenzene
Concen: 18.035 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:146 Resp: 4187

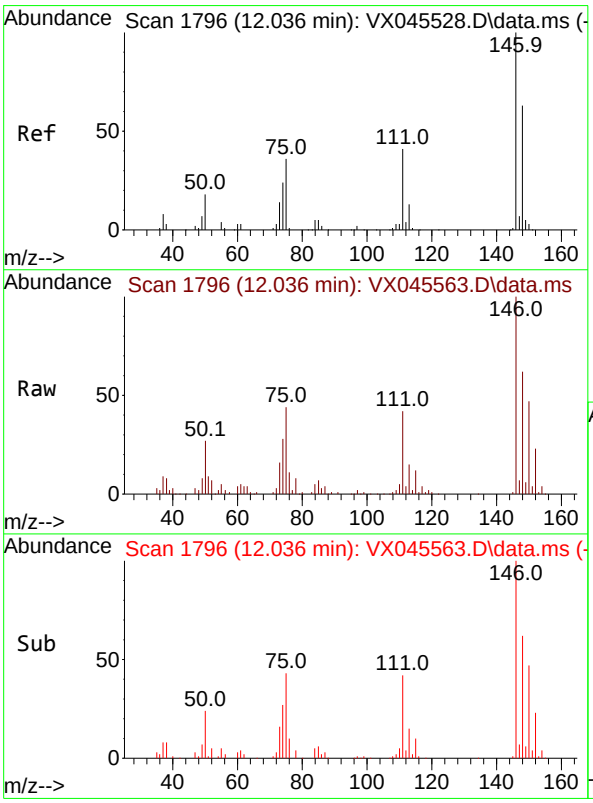
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	64.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

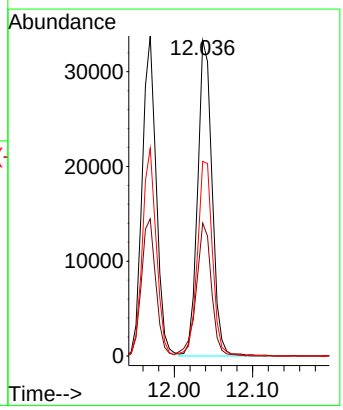
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

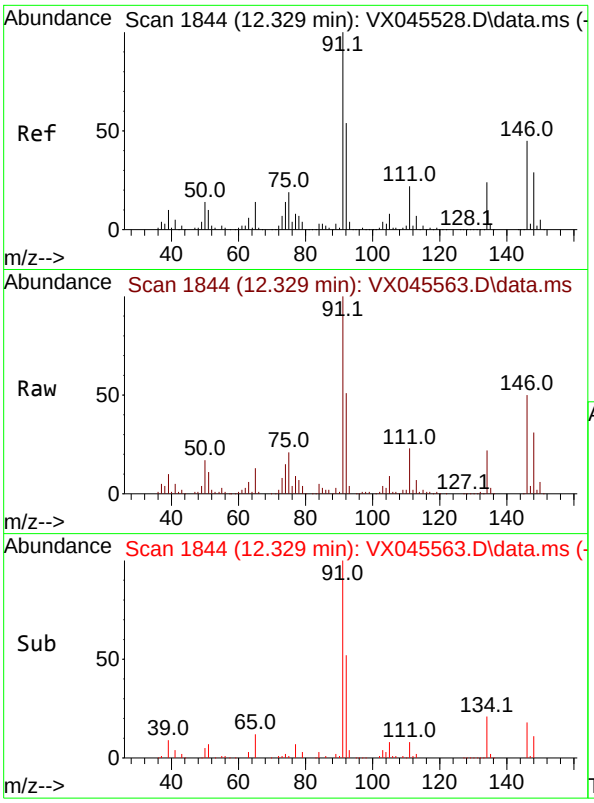


#88
1,4-Dichlorobenzene
Concen: 18.215 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:146 Resp: 42877

Ion	Ratio	Lower	Upper
146	100		
111	44.2	20.9	62.8
148	64.3	31.5	94.5

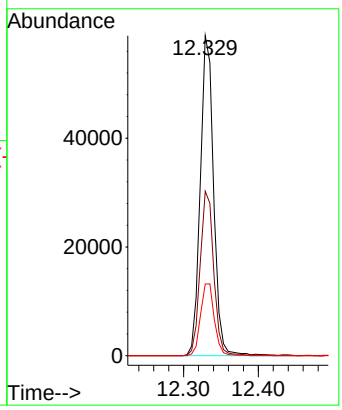




#89
n-Butylbenzene
Concen: 18.388 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 91 Resp: 7297

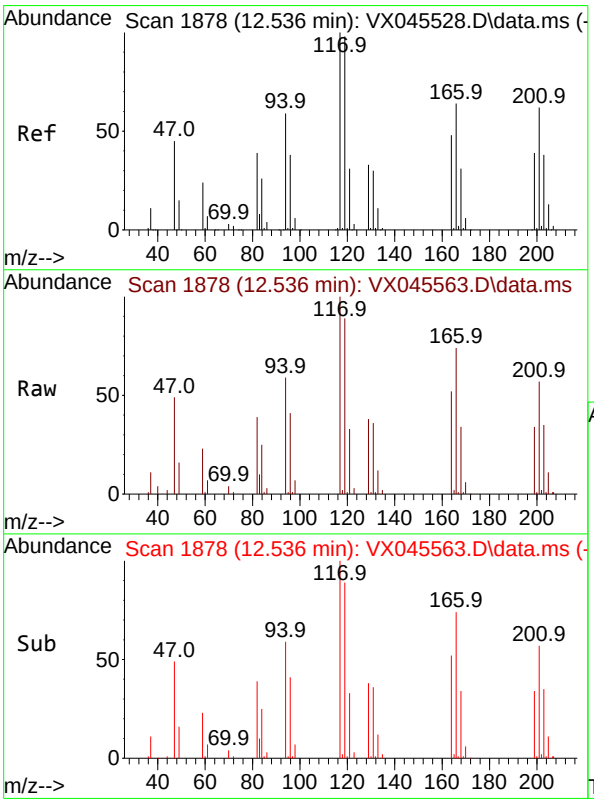
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.9	80.6
134	23.2	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

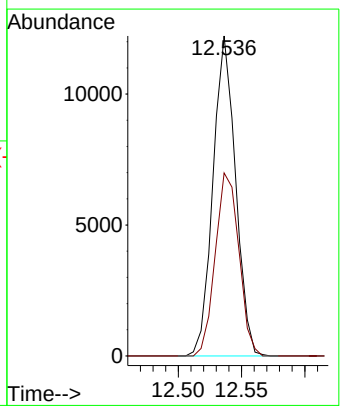
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

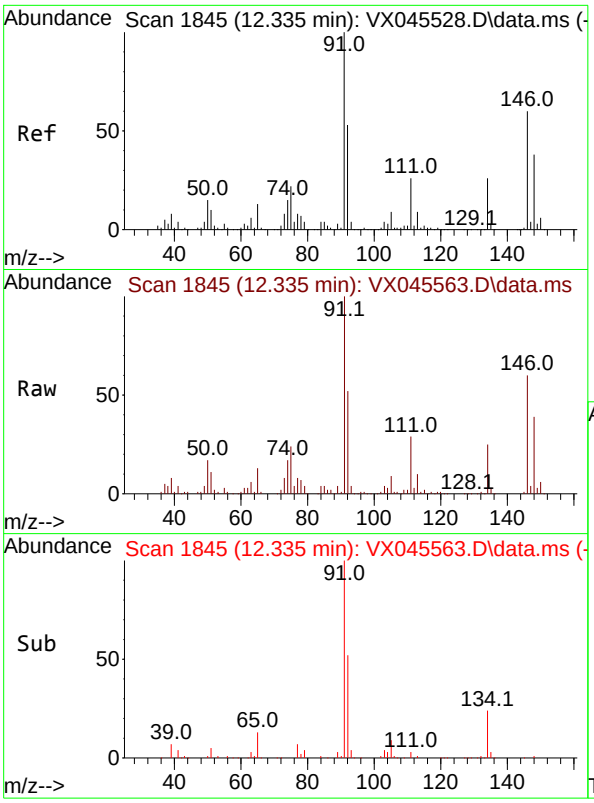


#90
Hexachloroethane
Concen: 19.256 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:117 Resp: 15145

Ion	Ratio	Lower	Upper
117	100		
201	59.8	31.2	93.6

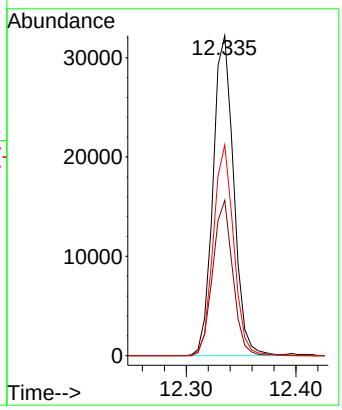




#91
1,2-Dichlorobenzene
Concen: 18.317 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:146 Resp: 4228

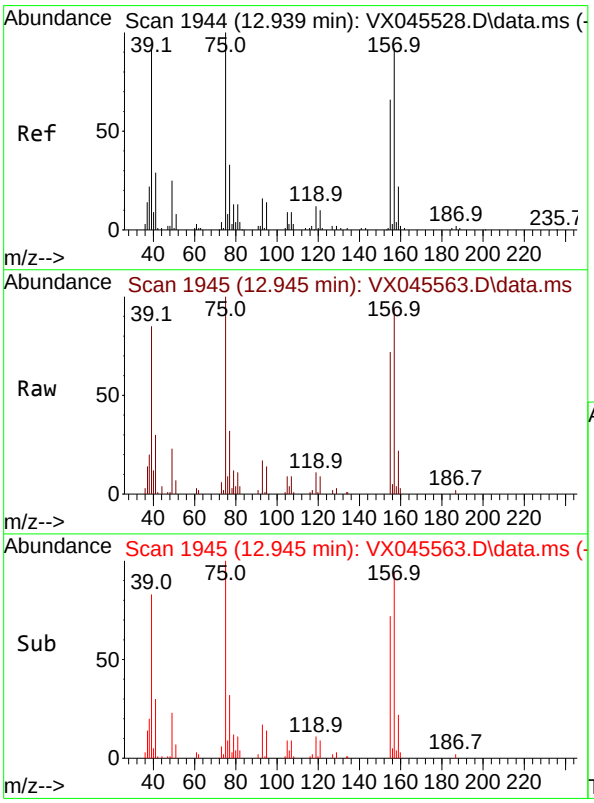
Ion	Ratio	Lower	Upper
146	100		
111	47.0	22.9	68.8
148	64.9	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

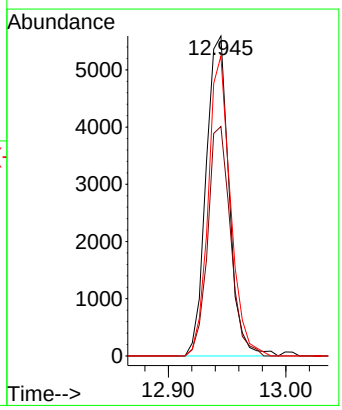
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

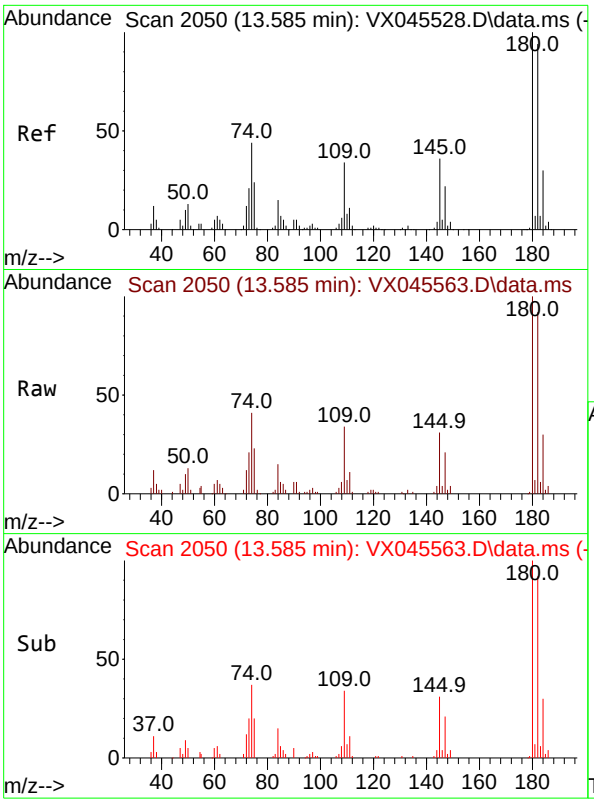


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.685 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion: 75 Resp: 7578

Ion	Ratio	Lower	Upper
75	100		
155	71.2	34.9	104.7
157	90.8	44.9	134.7

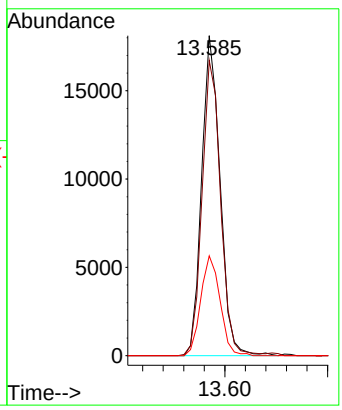




#93
1,2,4-Trichlorobenzene
Concen: 17.574 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:180 Resp: 2258

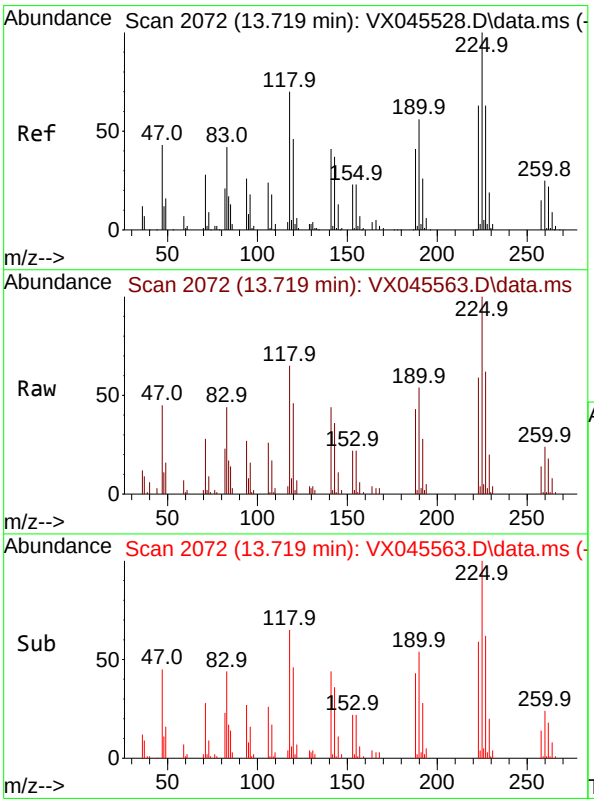
Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.6
145	32.7	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

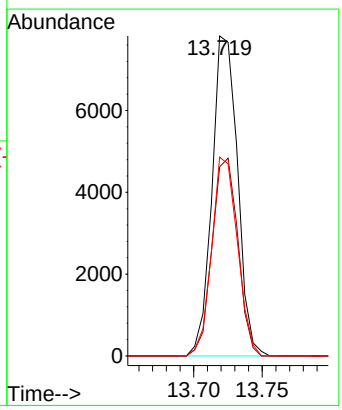
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

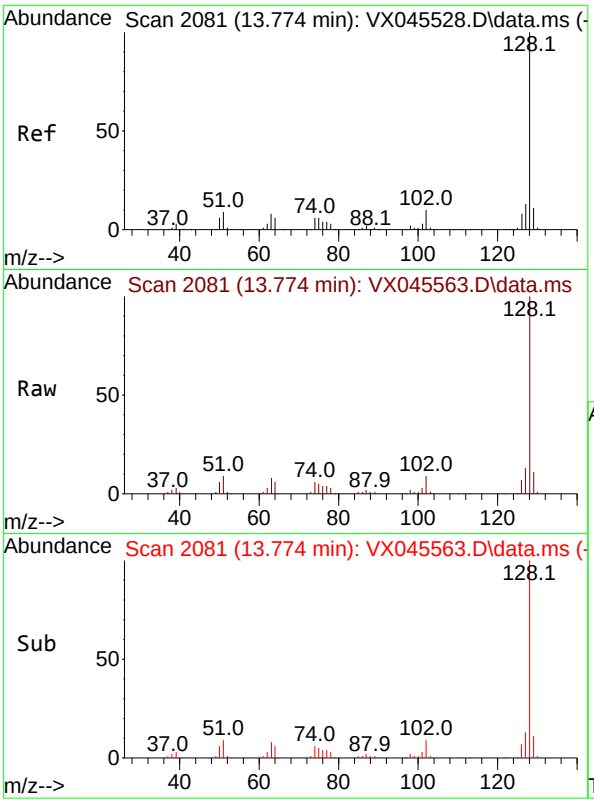


#94
Hexachlorobutadiene
Concen: 18.232 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:225 Resp: 10095

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.3
227	62.8	32.2	96.6

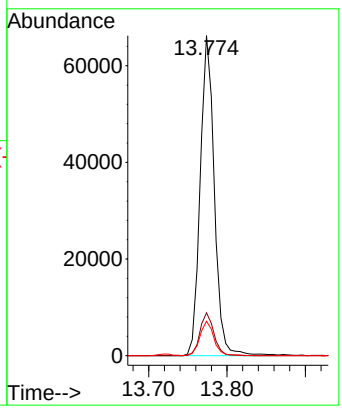




#95
Naphthalene
Concen: 17.350 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:128 Resp: 8296

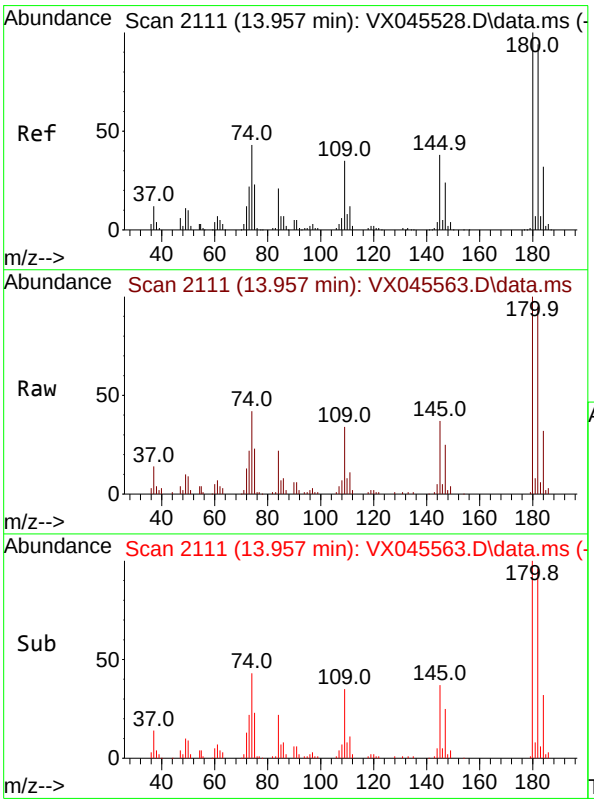
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0403WBS01

Manual Integrations
APPROVED

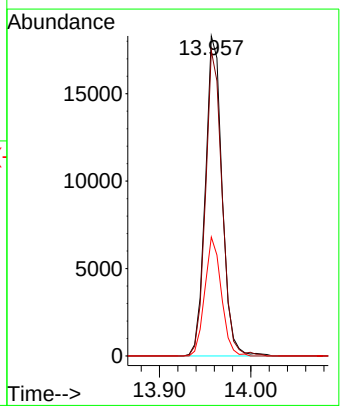
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.258 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045563.D
Acq: 03 Apr 2025 12:08

Tgt Ion:180 Resp: 23220

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.8
145	36.6	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:	VX0404WBS01	SDG No.:	Q1711
Lab Sample ID:	VX0404WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045589.D	1		04/04/25 11:14	VX040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.6		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.5		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.7		0.20	1.00	ug/L
71-43-2	Benzene	19.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.4		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.5		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		70 (75) - 130 (124)	107%	SPK: 50
2037-26-5	Toluene-d8	53.2		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	95100	5.549			
540-36-3	1,4-Difluorobenzene	168000	6.757			
3114-55-4	Chlorobenzene-d5	152000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	66600	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\VX040425\
Data File : VX045589.D
Acq On : 04 Apr 2025 11:14
Operator : JC/MD
Sample : VX0404WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 23:10:41 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 :
VX0404WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	95127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168453	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	151744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91980	52.873	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.740%			
35) Dibromofluoromethane	5.385	113	63679	53.280	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.560%			
50) Toluene-d8	8.646	98	221910	53.195	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.400%			
62) 4-Bromofluorobenzene	11.079	95	80880	53.227	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	30356	21.338	ug/l	98
3) Chloromethane	1.306	50	28046	19.190	ug/l	97
4) Vinyl Chloride	1.373	62	26269	19.640	ug/l	99
5) Bromomethane	1.593	94	12147	19.154	ug/l	100
6) Chloroethane	1.666	64	14563	20.522	ug/l	98
7) Trichlorofluoromethane	1.873	101	40168	20.139	ug/l	95
8) Diethyl Ether	2.135	74	13256	19.796	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.318	101	23531	20.134	ug/l	98
10) Methyl Iodide	2.446	142	27472	18.845	ug/l	97
11) Tert butyl alcohol	2.971	59	22553	96.466	ug/l	99
12) 1,1-Dichloroethene	2.312	96	22114	19.364	ug/l	97
13) Acrolein	2.233	56	35297	109.636	ug/l	96
14) Allyl chloride	2.660	41	42970	19.831	ug/l	99
15) Acrylonitrile	3.062	53	73835	100.048	ug/l	99
16) Acetone	2.379	43	71844	100.574	ug/l	95
17) Carbon Disulfide	2.507	76	51789	18.361	ug/l	100
18) Methyl Acetate	2.702	43	33157	20.160	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	77491	19.397	ug/l	98
20) Methylene Chloride	2.782	84	26080	19.502	ug/l	98
21) trans-1,2-Dichloroethene	3.086	96	22921	19.646	ug/l	95
22) Diisopropyl ether	3.757	45	82229	19.265	ug/l #	85
23) Vinyl Acetate	3.721	43	363855	98.665	ug/l	99
24) 1,1-Dichloroethane	3.605	63	46953	19.451	ug/l	99
25) 2-Butanone	4.556	43	106093	101.462	ug/l	99
26) 2,2-Dichloropropane	4.464	77	32865	21.073	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	27229	19.156	ug/l	99
28) Bromochloromethane	4.891	49	23795	20.399	ug/l	97
29) Tetrahydrofuran	5.007	42	66295	97.791	ug/l	99
30) Chloroform	5.086	83	49173	19.797	ug/l	94
31) Cyclohexane	5.464	56	41598	19.493	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	41502	19.747	ug/l	98
36) 1,1-Dichloropropene	5.684	75	31963	19.807	ug/l	98
37) Ethyl Acetate	4.714	43	38551	18.957	ug/l	99
38) Carbon Tetrachloride	5.671	117	35237	20.204	ug/l	95
39) Methylcyclohexane	7.372	83	39542	19.990	ug/l	95
40) Benzene	6.031	78	97905	19.865	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045589.D
Acq On : 04 Apr 2025 11:14
Operator : JC/MD
Sample : VX0404WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 23:10:41 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 :
VX0404WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	22088	20.585	ug/l		98
42) 1,2-Dichloroethane	6.086	62	41452	20.364	ug/l		100
43) Isopropyl Acetate	6.342	43	59314	19.244	ug/l		99
44) Trichloroethene	7.122	130	22535	19.237	ug/l		89
45) 1,2-Dichloropropane	7.427	63	24353	19.804	ug/l		92
46) Dibromomethane	7.580	93	19189	20.328	ug/l		98
47) Bromodichloromethane	7.817	83	37575	19.932	ug/l		96
48) Methyl methacrylate	7.689	41	31993	20.104	ug/l		99
49) 1,4-Dioxane	7.659	88	11949	414.998	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	209485	102.524	ug/l		99
52) Toluene	8.714	92	58522	19.623	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	30749	18.474	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	35158	19.846	ug/l		96
55) 1,1,2-Trichloroethane	9.152	97	24341	20.482	ug/l		95
56) Ethyl methacrylate	9.116	69	36657	19.931	ug/l		98
57) 1,3-Dichloropropane	9.305	76	42216	20.400	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	95516	102.664	ug/l		99
59) 2-Hexanone	9.427	43	152877	101.036	ug/l		98
60) Dibromochloromethane	9.518	129	25841	19.946	ug/l		99
61) 1,2-Dibromoethane	9.610	107	23976	19.930	ug/l		100
64) Tetrachloroethene	9.274	164	21048	19.646	ug/l		97
65) Chlorobenzene	10.079	112	63546	19.598	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22150	19.676	ug/l		97
67) Ethyl Benzene	10.189	91	113903	19.613	ug/l		98
68) m/p-Xylenes	10.299	106	82893	39.245	ug/l		99
69) o-Xylene	10.640	106	41423	19.908	ug/l		99
70) Styrene	10.652	104	68156	19.846	ug/l		98
71) Bromoform	10.799	173	15776	18.768	ug/l	#	96
73) Isopropylbenzene	10.963	105	109126	20.461	ug/l		100
74) N-amyl acetate	10.841	43	49771	19.508	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	37577	20.056	ug/l		96
76) 1,2,3-Trichloropropane	11.237	75	31448m	19.363	ug/l		
77) Bromobenzene	11.195	156	25007	20.293	ug/l		98
78) n-propylbenzene	11.298	91	126822	20.644	ug/l		99
79) 2-Chlorotoluene	11.359	91	78774	20.058	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	91980	20.856	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8789	18.366	ug/l		95
82) 4-Chlorotoluene	11.451	91	90453	20.657	ug/l		100
83) tert-Butylbenzene	11.713	119	88794	20.336	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	91248	20.614	ug/l		99
85) sec-Butylbenzene	11.890	105	111812	20.849	ug/l		100
86) p-Isopropyltoluene	12.006	119	90695	20.513	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	44092	19.656	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	44331	19.494	ug/l		98
89) n-Butylbenzene	12.329	91	77639	20.250	ug/l		99
90) Hexachloroethane	12.536	117	15371	20.229	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	44325	19.875	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7932	20.243	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	23660	19.059	ug/l		97
94) Hexachlorobutadiene	13.725	225	10408	19.457	ug/l		97
95) Naphthalene	13.774	128	87543	18.950	ug/l		100
96) 1,2,3-Trichlorobenzene	13.956	180	24870	19.132	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045589.D
Acq On : 04 Apr 2025 11:14
Operator : JC/MD
Sample : VX0404WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 23:10:41 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 :
VX0404WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

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

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

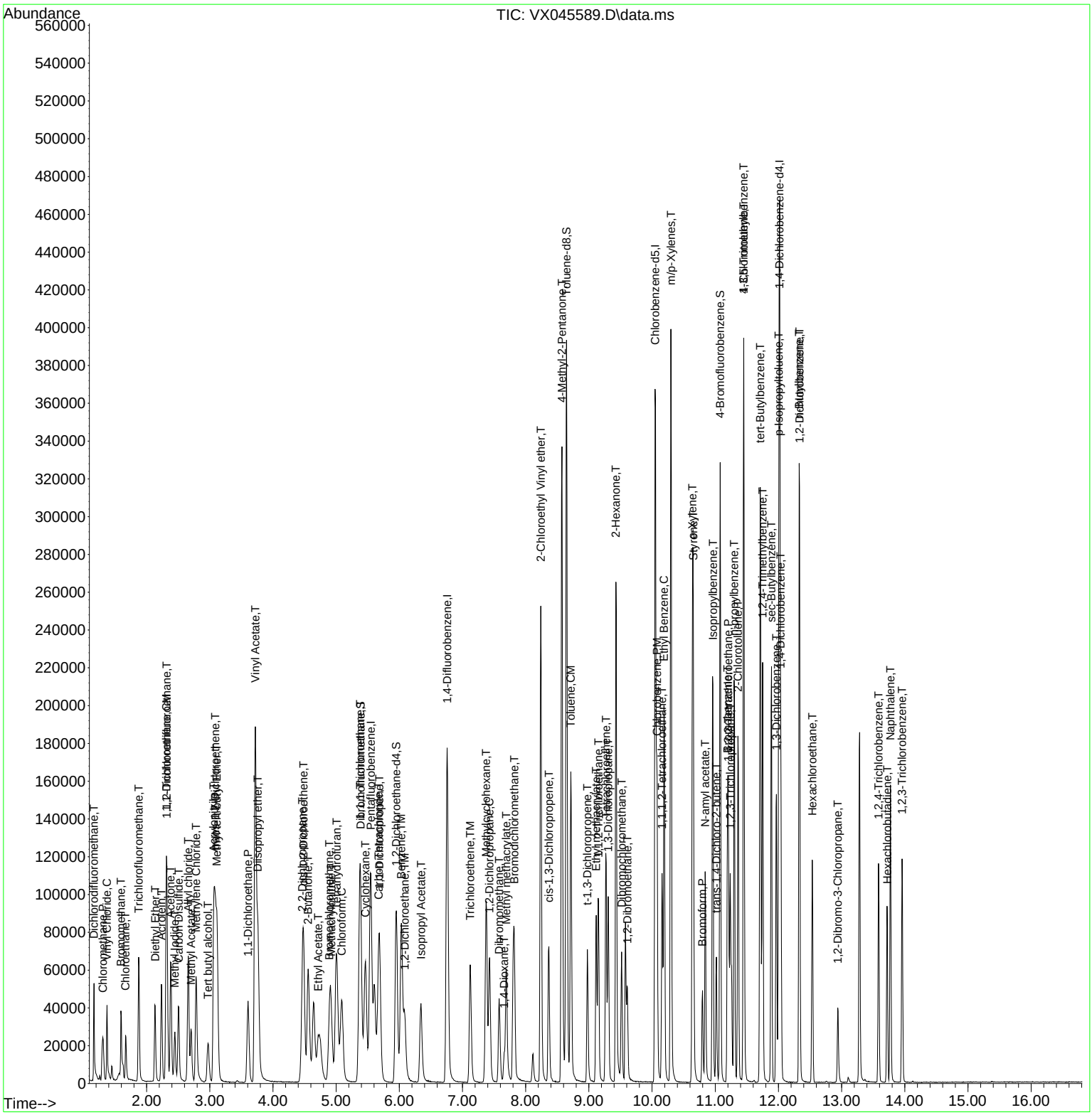
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045589.D
Acq On : 04 Apr 2025 11:14
Operator : JC/MD
Sample : VX0404WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

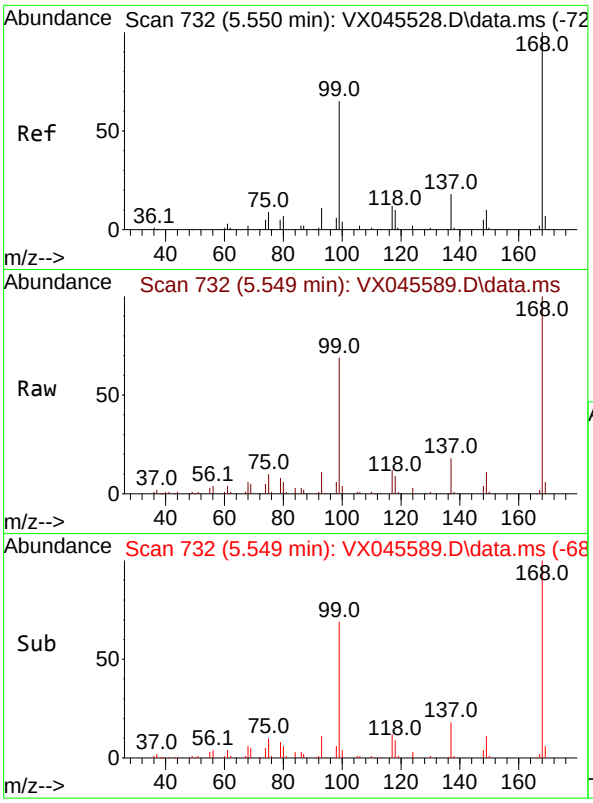
Quant Time: Apr 04 23:10:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

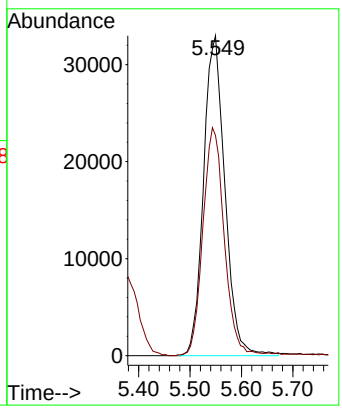




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:168 Resp: 9512

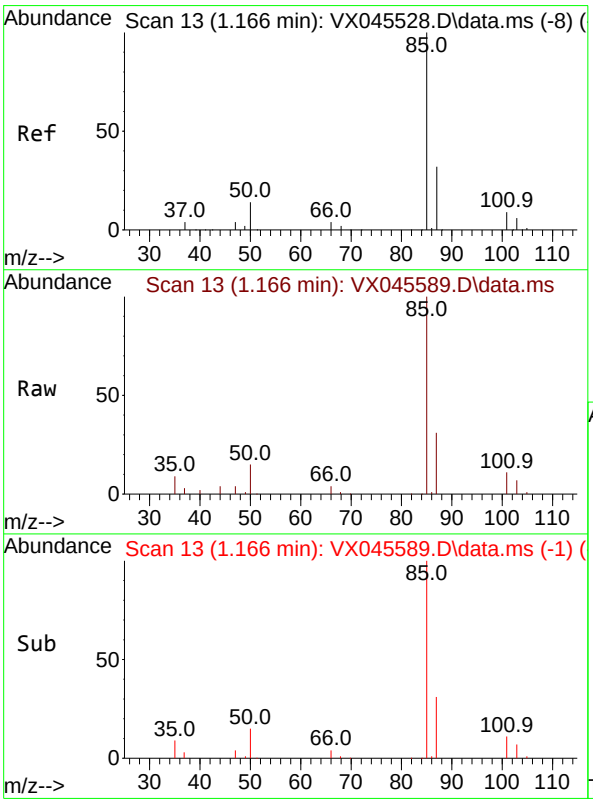
Ion	Ratio	Lower	Upper
168	100		
99	68.6	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

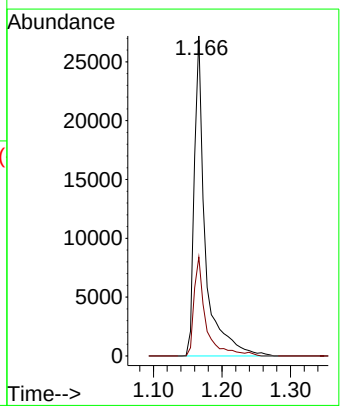
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

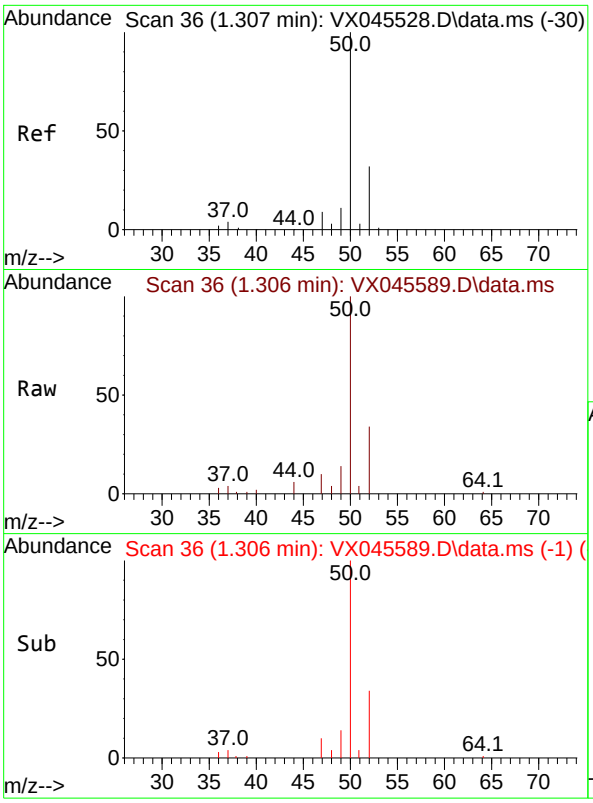


#2
Dichlorodifluoromethane
Concen: 21.338 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 85 Resp: 30356

Ion	Ratio	Lower	Upper
85	100		
87	30.9	16.1	48.2

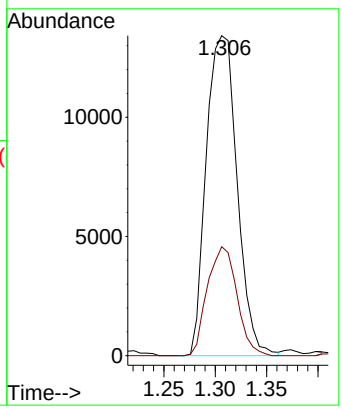




#3
Chloromethane
Concen: 19.190 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 50 Resp: 2804

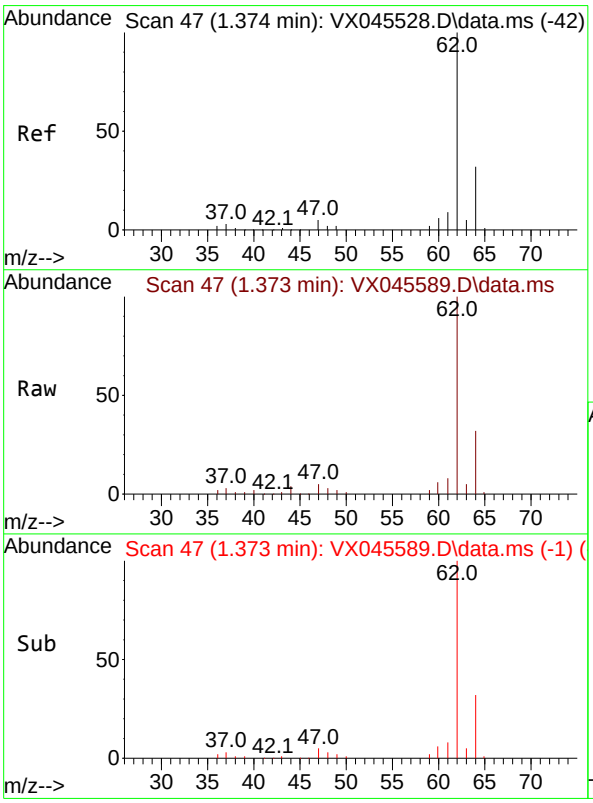
Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

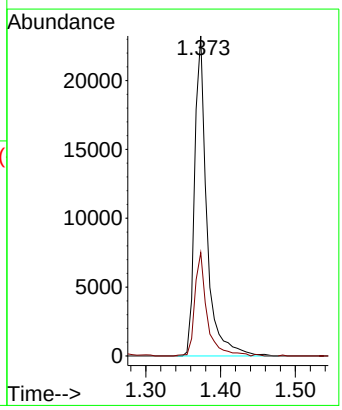
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

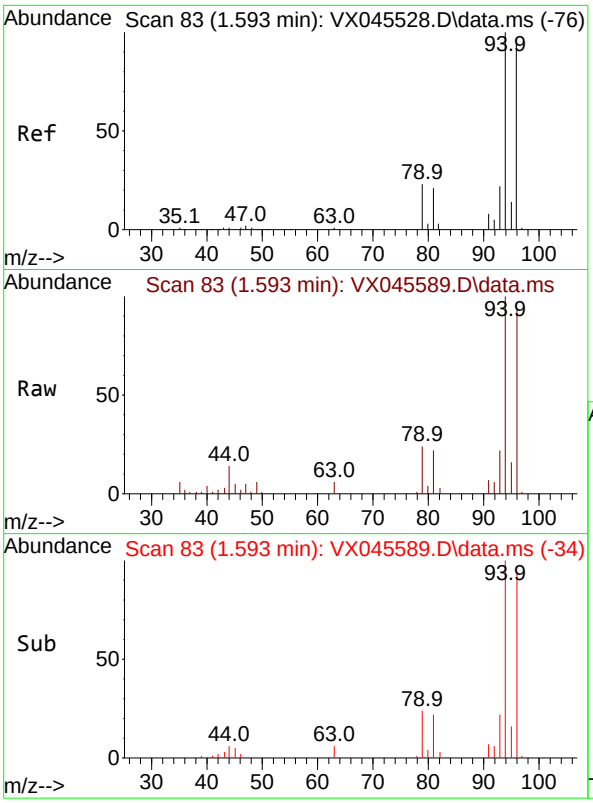


#4
Vinyl Chloride
Concen: 19.640 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 62 Resp: 26269

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.5	38.3

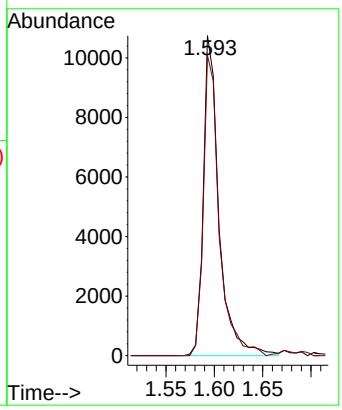




#5
Bromomethane
Concen: 19.154 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 94 Resp: 1214

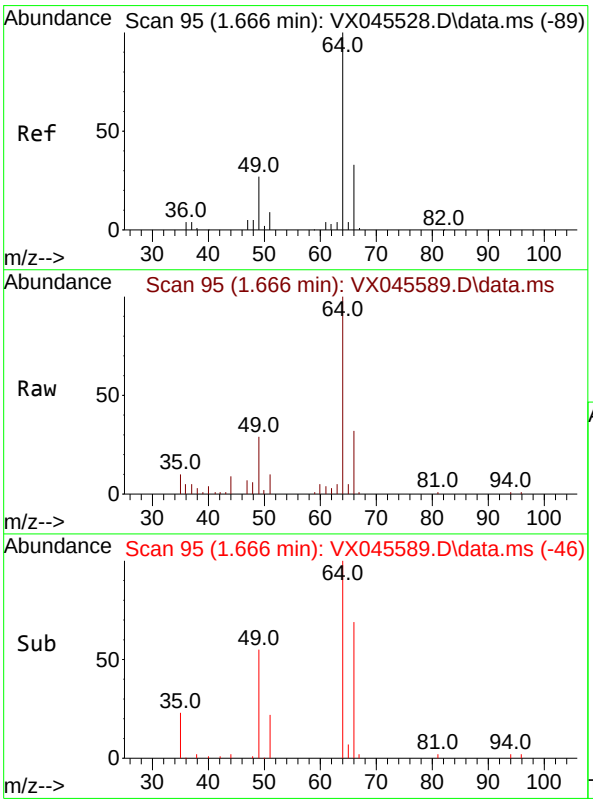
Ion	Ratio	Lower	Upper
94	100		
96	93.8	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

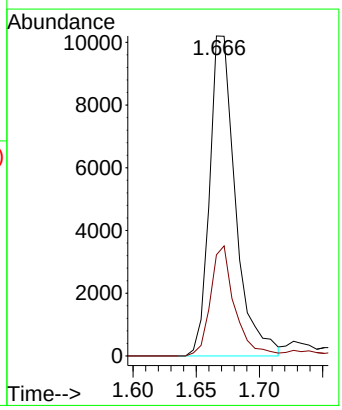
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

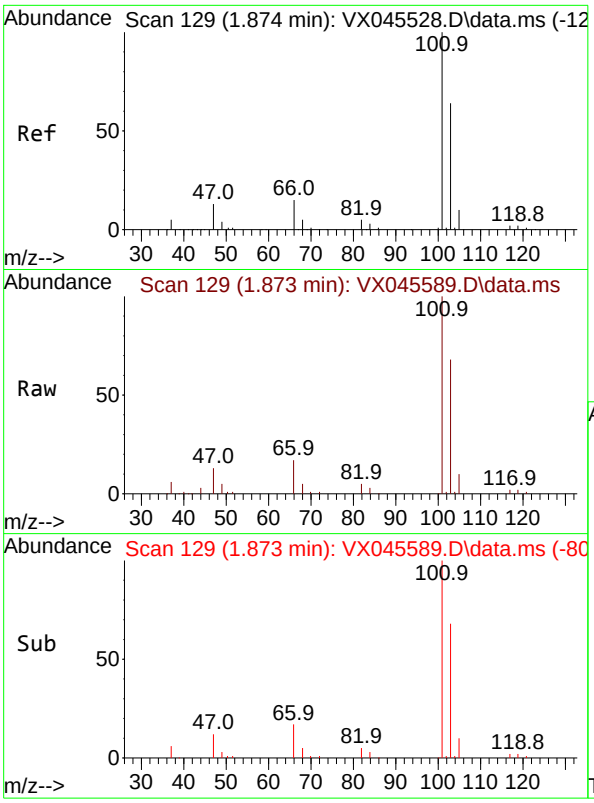


#6
Chloroethane
Concen: 20.522 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 64 Resp: 14563

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.3	39.5

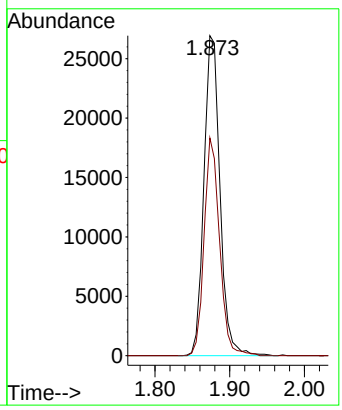




#7
Trichlorofluoromethane
Concen: 20.139 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:101 Resp: 4016

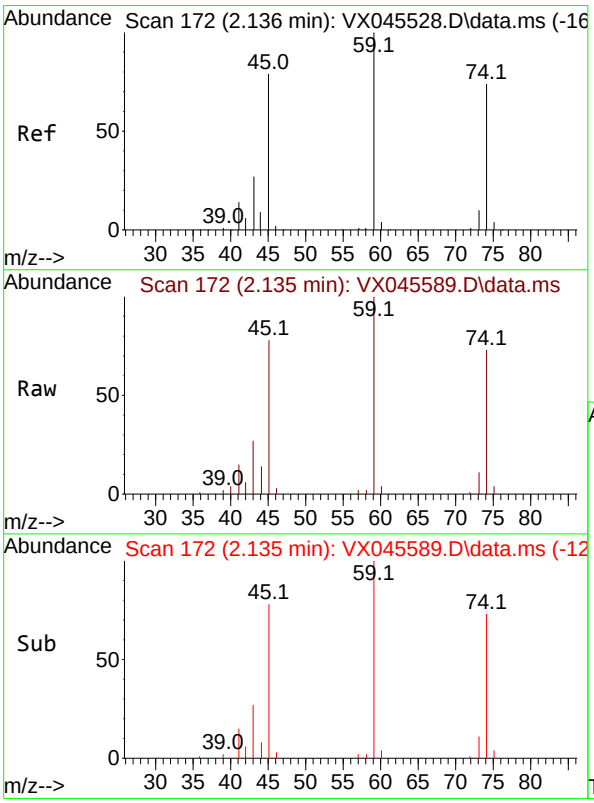
Ion	Ratio	Lower	Upper
101	100		
103	68.1	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

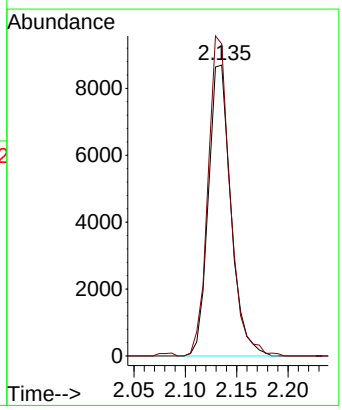
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

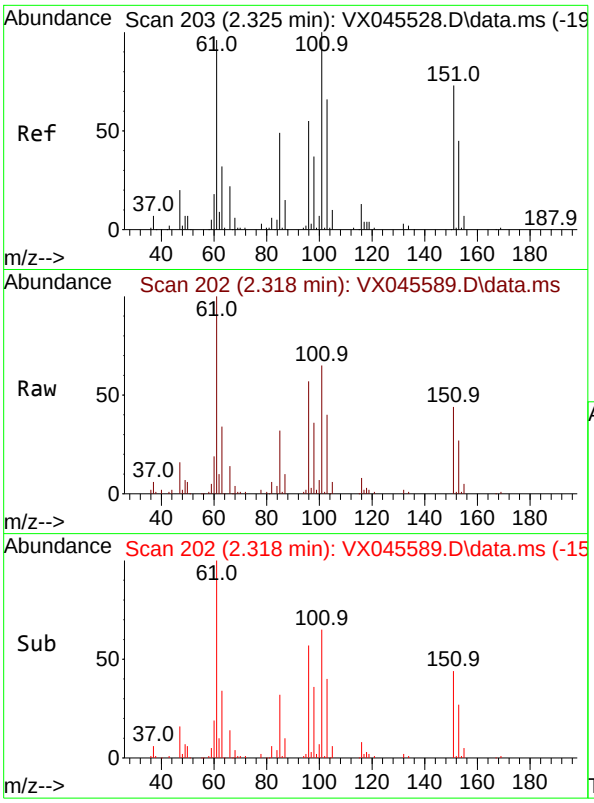


#8
Diethyl Ether
Concen: 19.796 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 74 Resp: 13256

Ion	Ratio	Lower	Upper
74	100		
45	108.1	53.0	159.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.134 ug/l
RT: 2.318 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

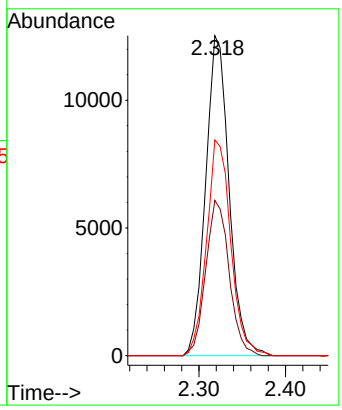
Tgt Ion:101 Resp: 2353

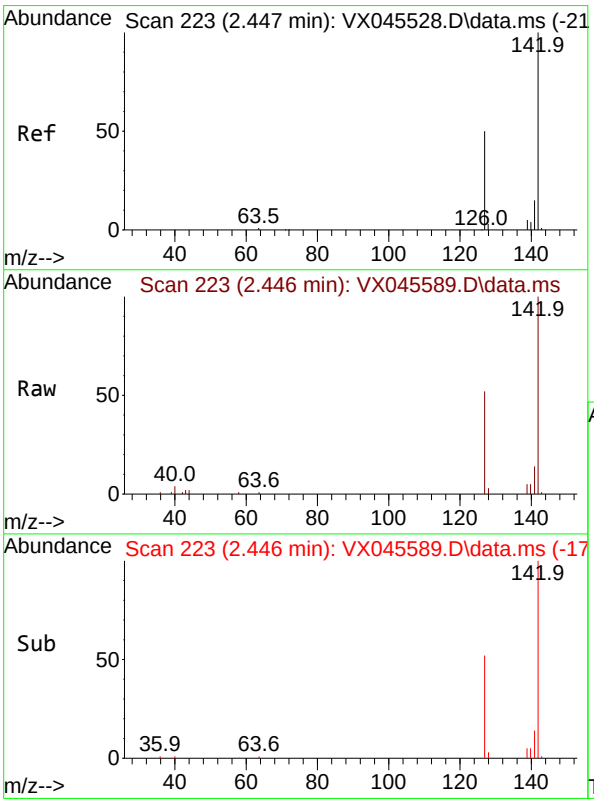
Ion	Ratio	Lower	Upper
101	100		
85	48.6	38.9	58.3
151	69.7	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

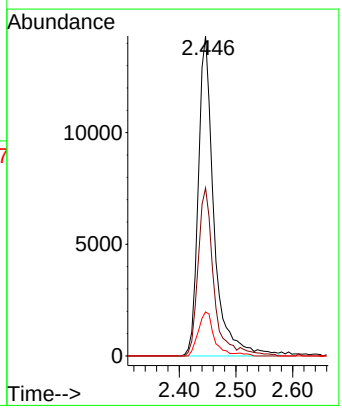


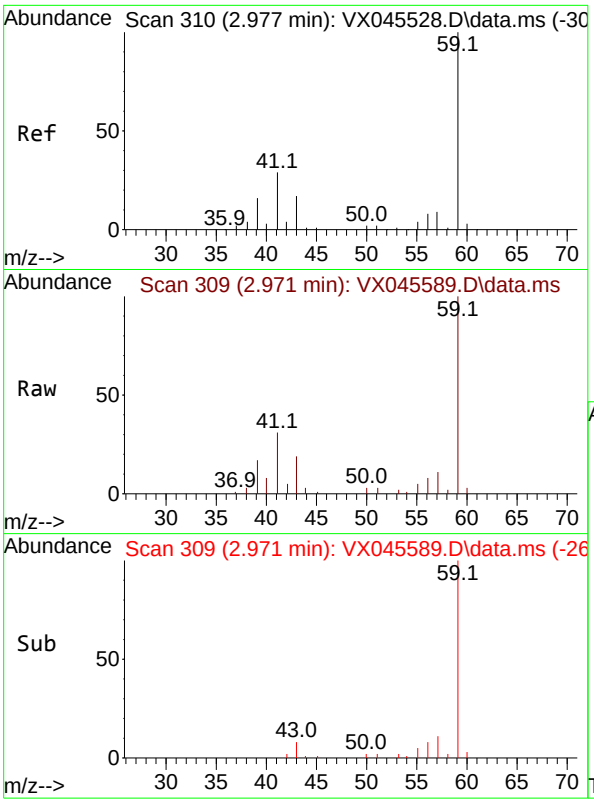


#10
Methyl Iodide
Concen: 18.845 ug/l
RT: 2.446 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:142 Resp: 27472

Ion	Ratio	Lower	Upper
142	100		
127	53.0	40.2	60.4
141	14.4	11.7	17.5





#11
Tert butyl alcohol
Concen: 96.466 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

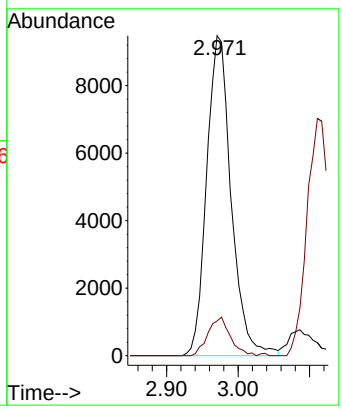
Tgt Ion: 59 Resp: 2255

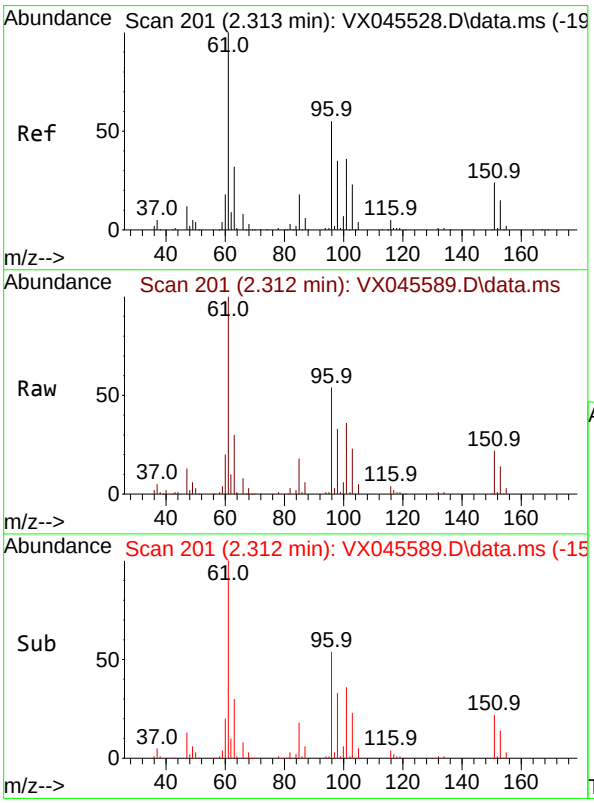
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

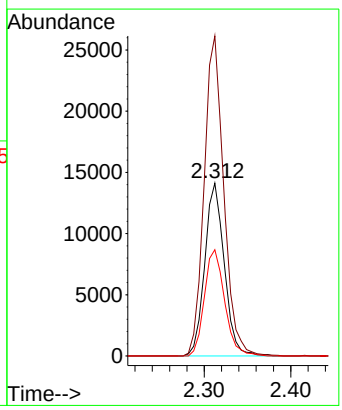


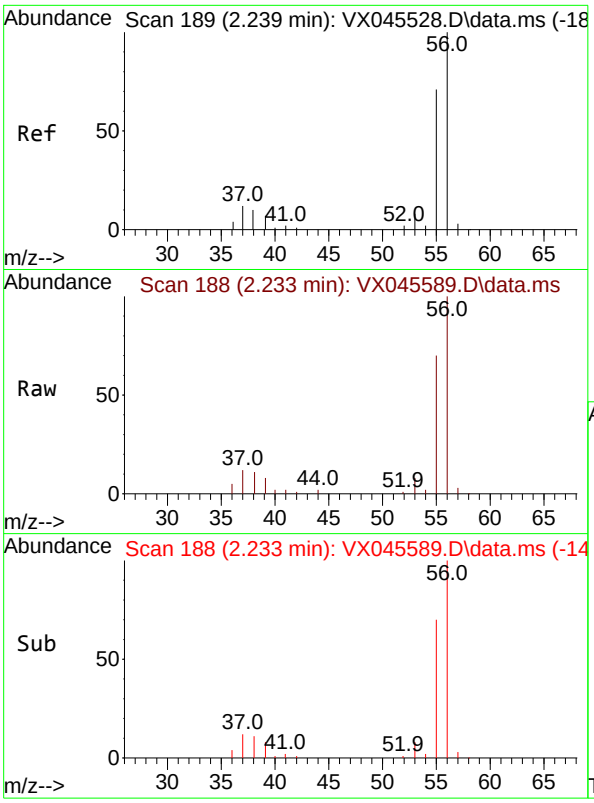


#12
1,1-Dichloroethene
Concen: 19.364 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 96 Resp: 22114

Ion	Ratio	Lower	Upper
96	100		
61	185.2	145.7	218.5
98	61.5	51.6	77.4





#13
Acrolein
Concen: 109.636 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

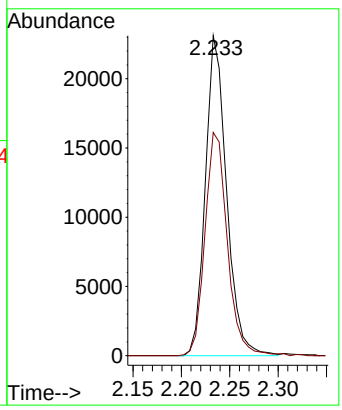
Tgt Ion: 56 Resp: 3529

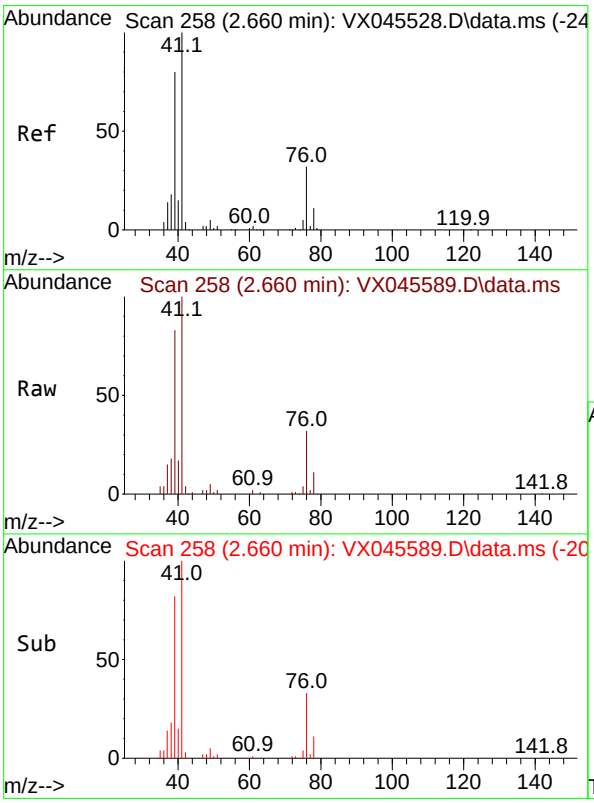
Ion	Ratio	Lower	Upper
56	100		
55	73.5	56.2	84.2

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

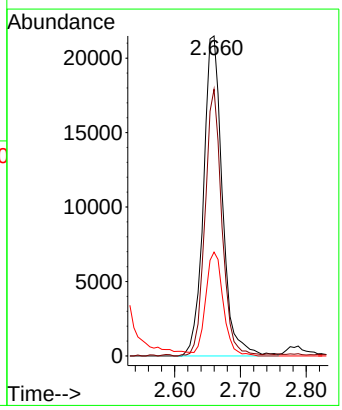


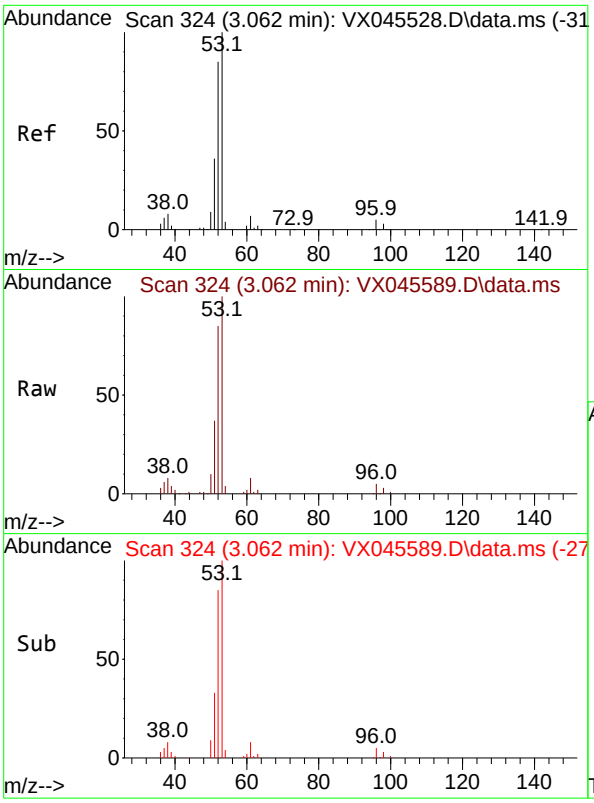


#14
Allyl chloride
Concen: 19.831 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 41 Resp: 42970

Ion	Ratio	Lower	Upper
41	100		
39	74.3	60.2	90.2
76	30.2	24.6	36.8

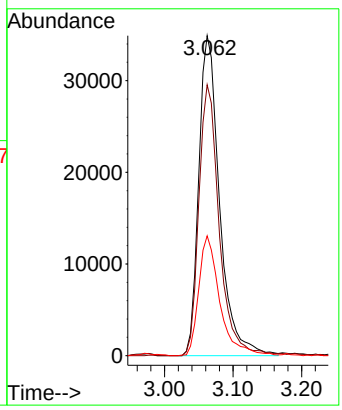




#15
Acrylonitrile
Concen: 100.048 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 53 Resp: 7383

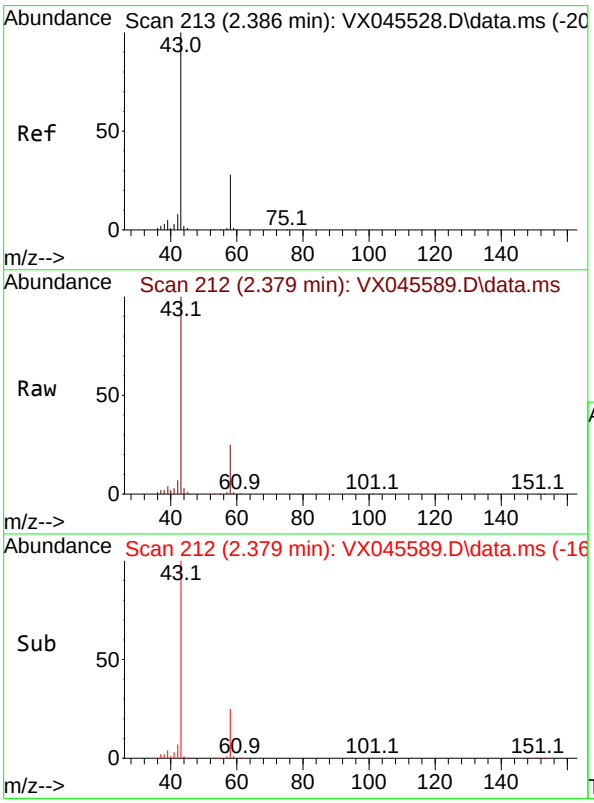
Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.4	101.2
51	38.0	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

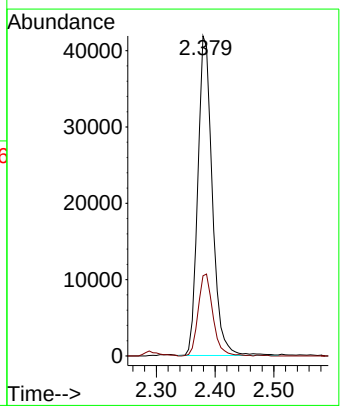
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

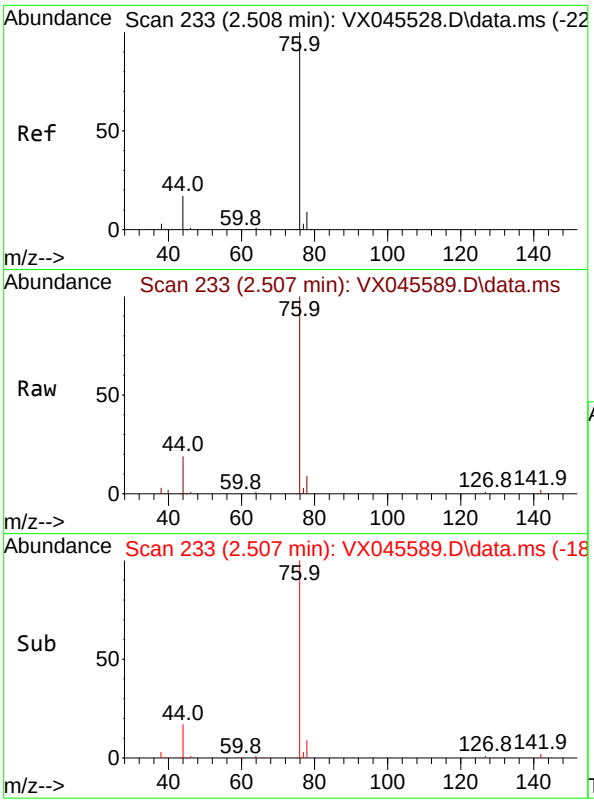


#16
Acetone
Concen: 100.574 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 43 Resp: 71844

Ion	Ratio	Lower	Upper
43	100		
58	25.1	22.3	33.5

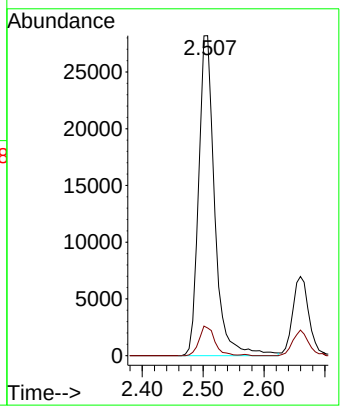




#17
Carbon Disulfide
Concen: 18.361 ug/l
RT: 2.507 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 76 Resp: 5178

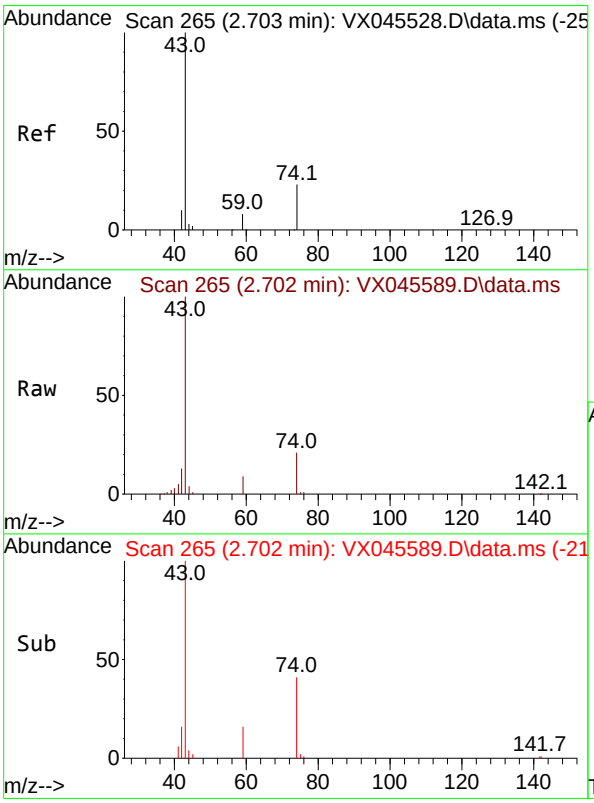
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

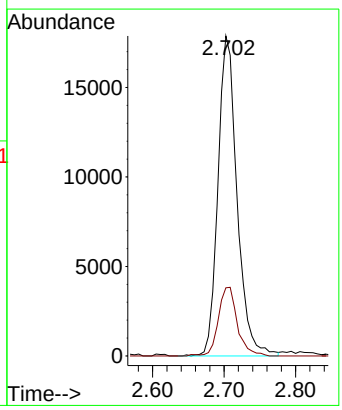
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

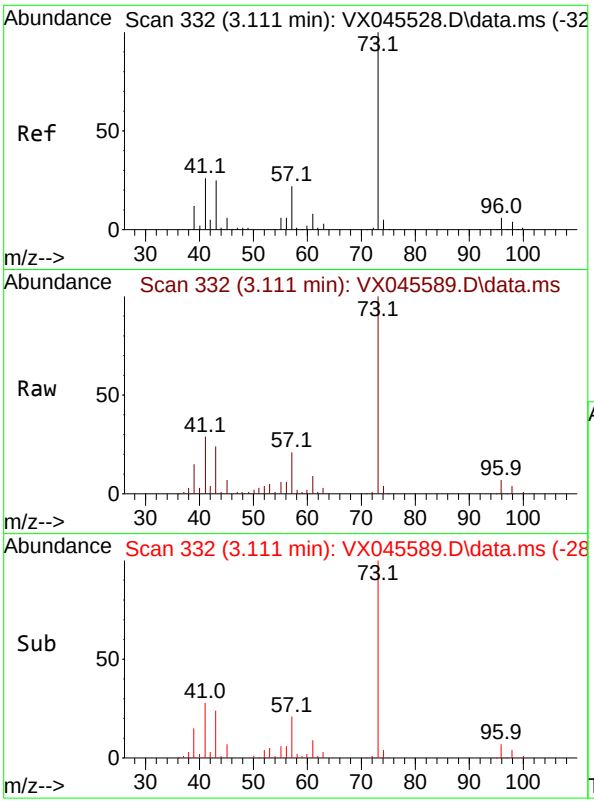


#18
Methyl Acetate
Concen: 20.160 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 43 Resp: 33157

Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.5	26.3

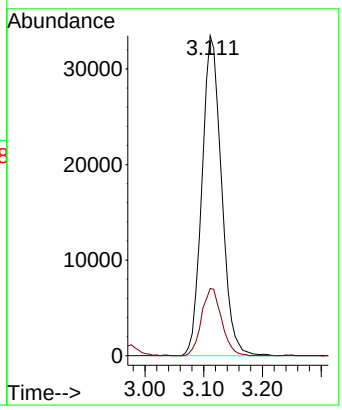




#19
Methyl tert-butyl Ether
Concen: 19.397 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 73 Resp: 7749

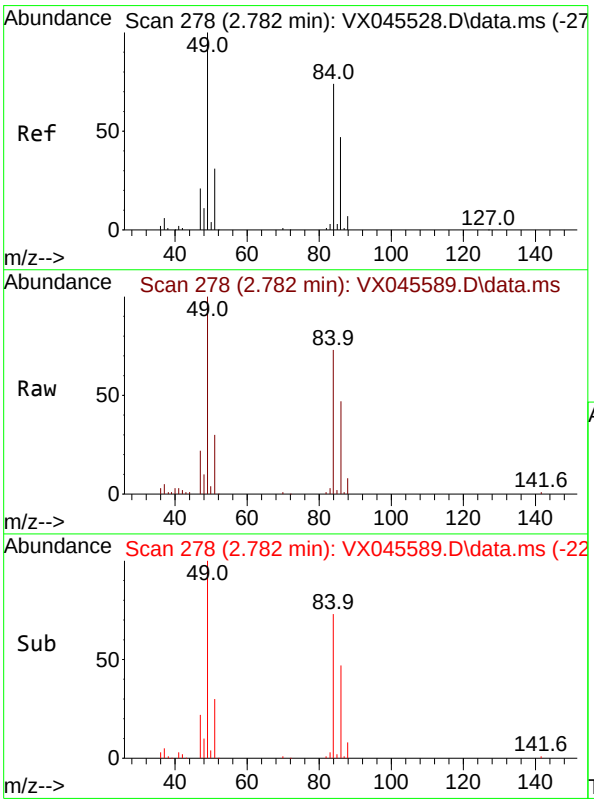
Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

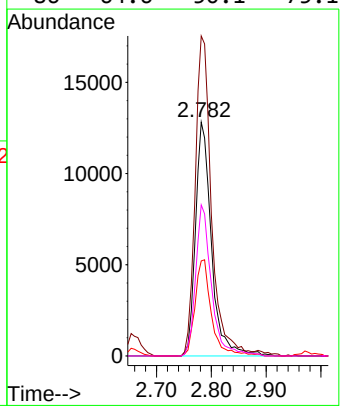
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

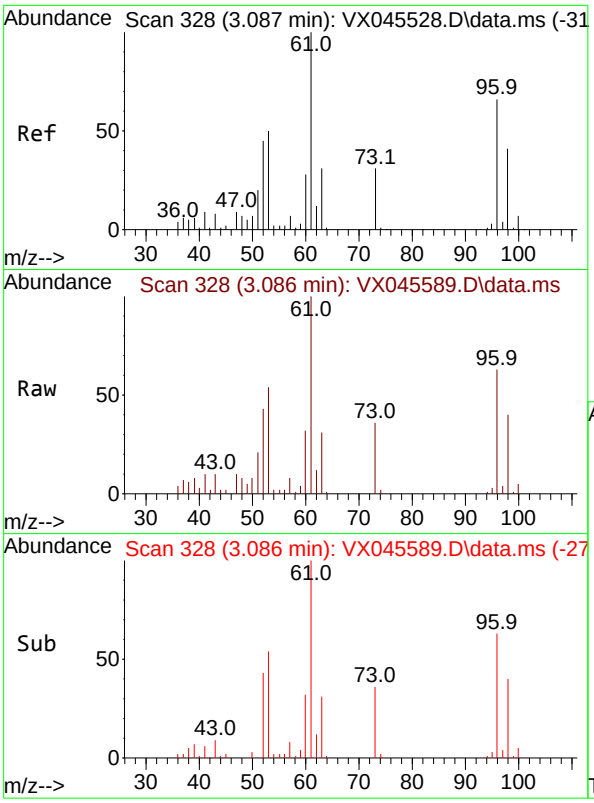


#20
Methylene Chloride
Concen: 19.502 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 84 Resp: 26080

Ion	Ratio	Lower	Upper
84	100		
49	136.8	107.5	161.3
51	40.7	33.0	49.6
86	64.6	50.1	75.1

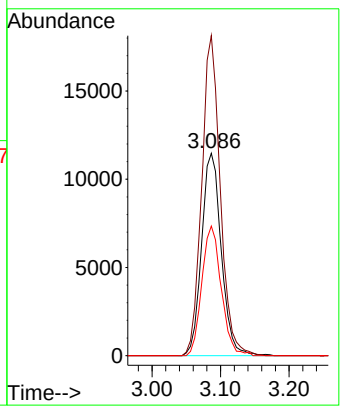




#21
trans-1,2-Dichloroethene
Concen: 19.646 ug/l
RT: 3.086 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 96 Resp: 2292

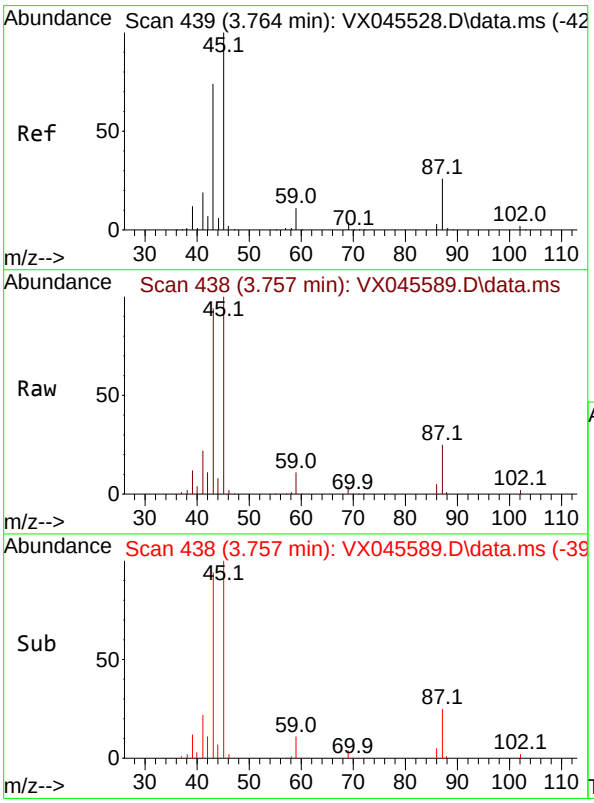
Ion	Ratio	Lower	Upper
96	100		
61	158.2	121.0	181.6
98	64.0	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

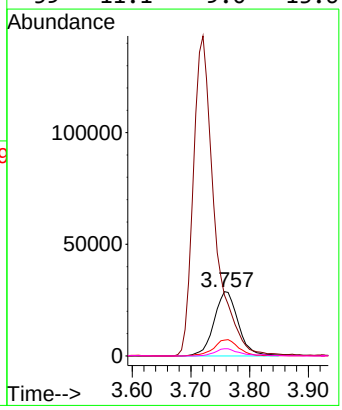
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

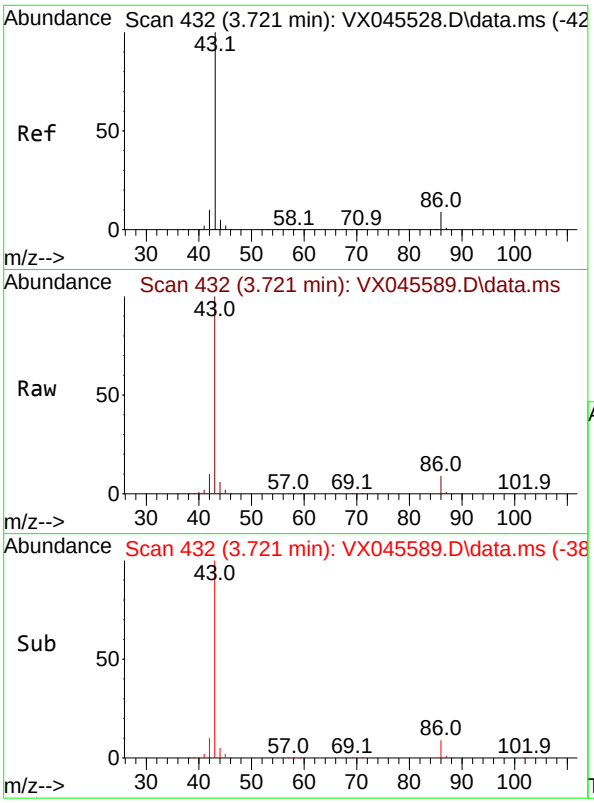


#22
Diisopropyl ether
Concen: 19.265 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 45 Resp: 82229

Ion	Ratio	Lower	Upper
45	100		
43	92.3	59.3	88.9#
87	24.6	20.4	30.6
59	11.1	9.0	13.6





#23
Vinyl Acetate
Concen: 98.665 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

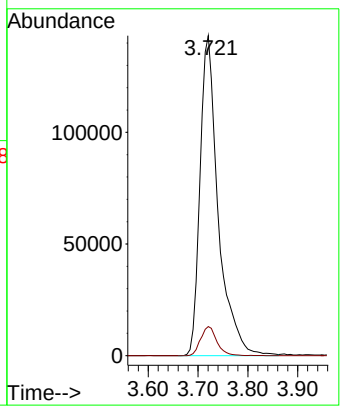
Tgt Ion: 43 Resp: 36385

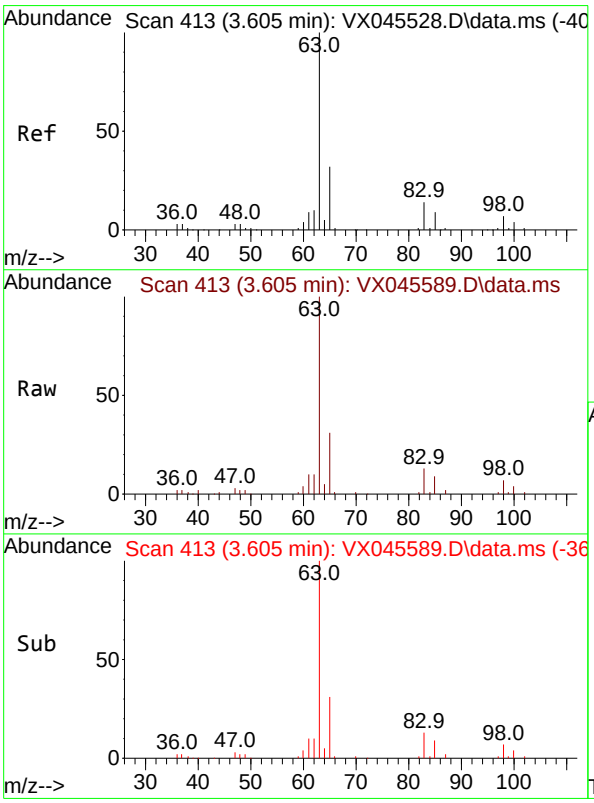
Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

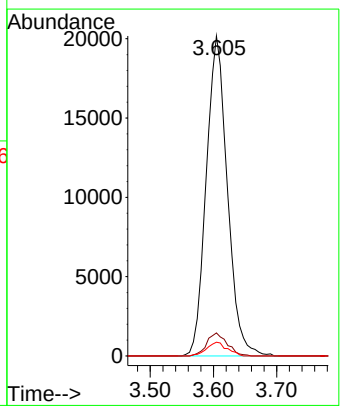


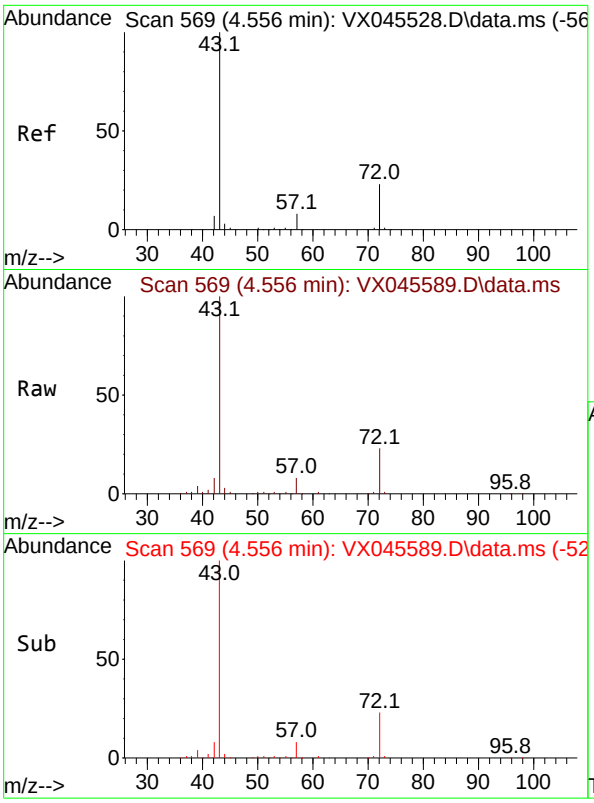


#24
1,1-Dichloroethane
Concen: 19.451 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 63 Resp: 46953

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.4	10.1
100	4.3	2.2	6.6

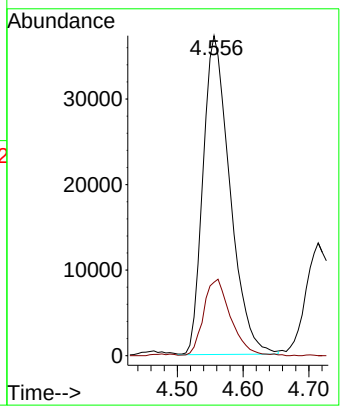




#25
2-Butanone
Concen: 101.462 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 43 Resp: 10609

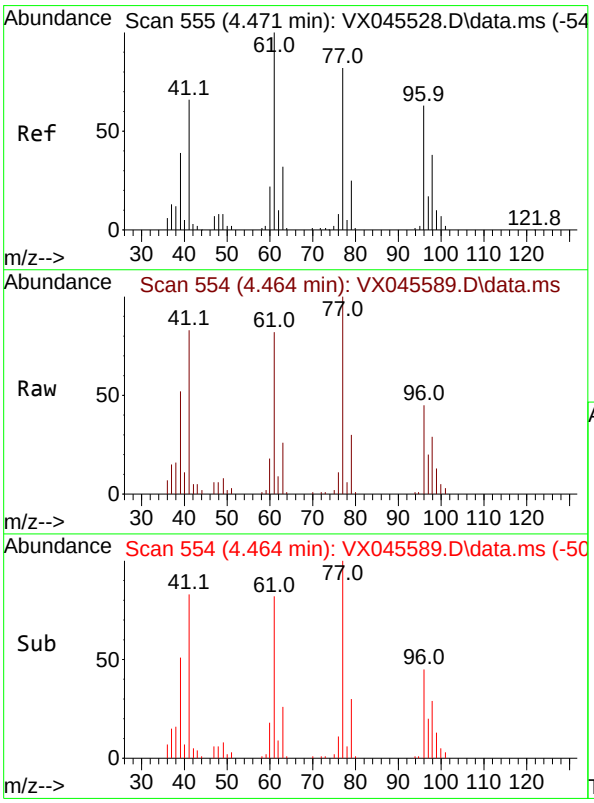
Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

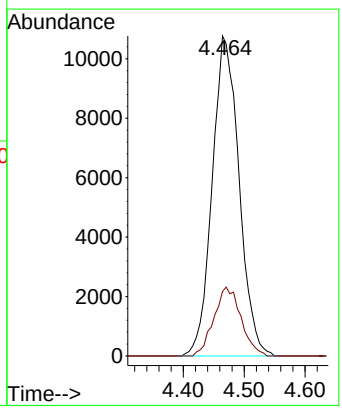
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

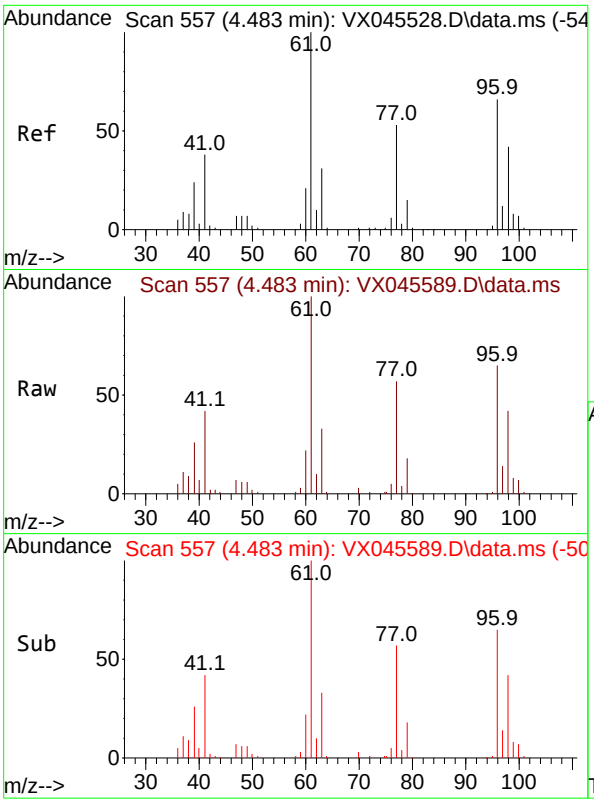


#26
2,2-Dichloropropane
Concen: 21.073 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 77 Resp: 32865

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.6	31.8

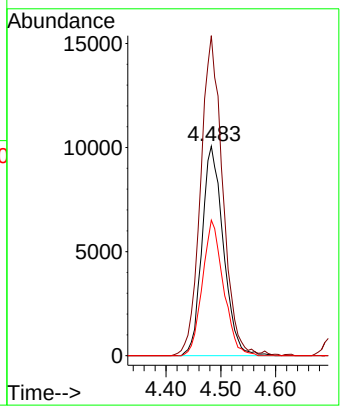




#27
cis-1,2-Dichloroethene
Concen: 19.156 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 96 Resp: 2722

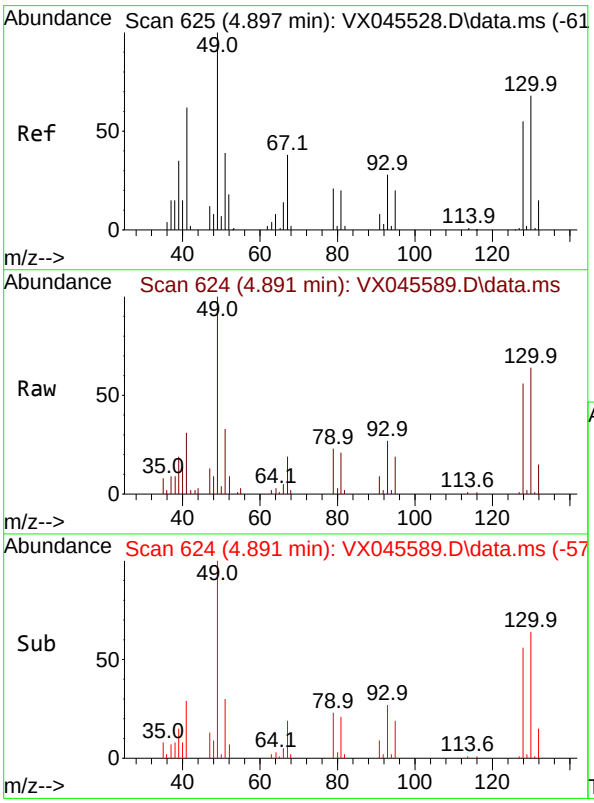
Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	313.2
98	63.6	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

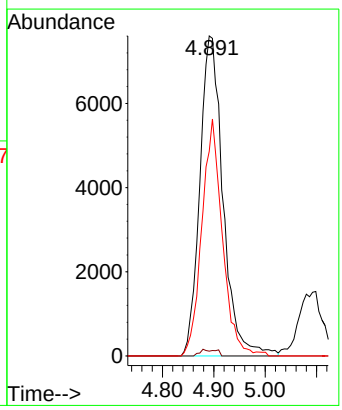
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

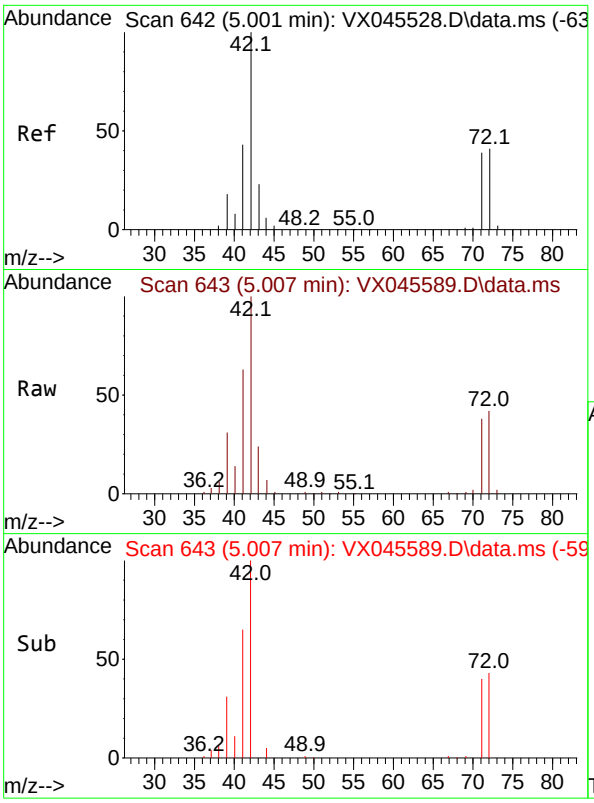


#28
Bromochloromethane
Concen: 20.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 49 Resp: 23795

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	65.5	54.6	81.8





#29
Tetrahydrofuran
Concen: 97.791 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

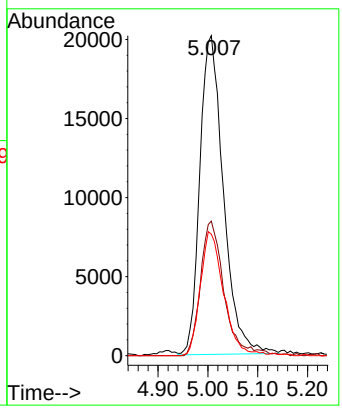
Tgt Ion: 42 Resp: 6629

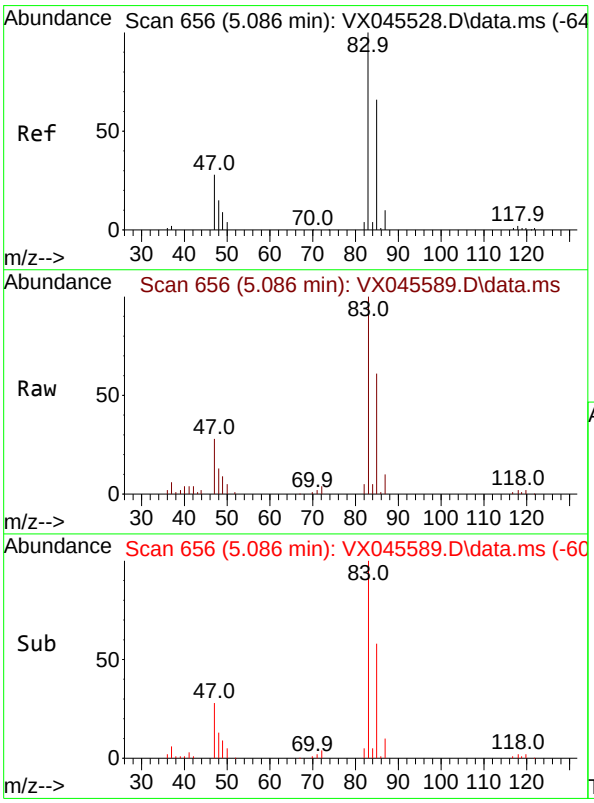
Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.4	50.0
71	38.4	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

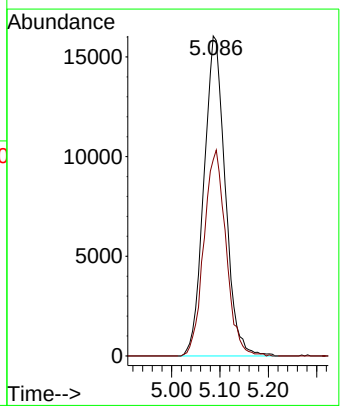


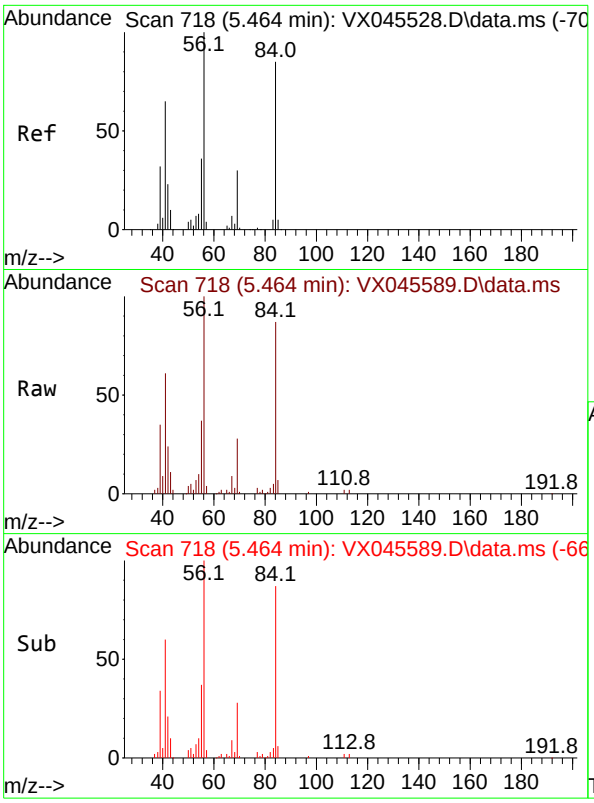


#30
Chloroform
Concen: 19.797 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 83 Resp: 49173

Ion	Ratio	Lower	Upper
83	100		
85	61.3	52.8	79.2

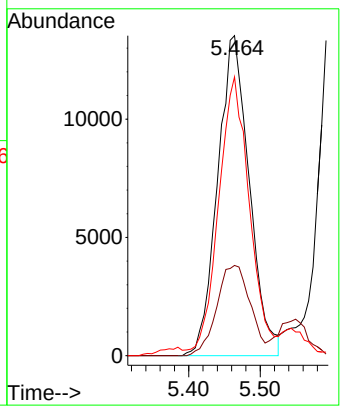




#31
Cyclohexane
Concen: 19.493 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 56 Resp: 4159

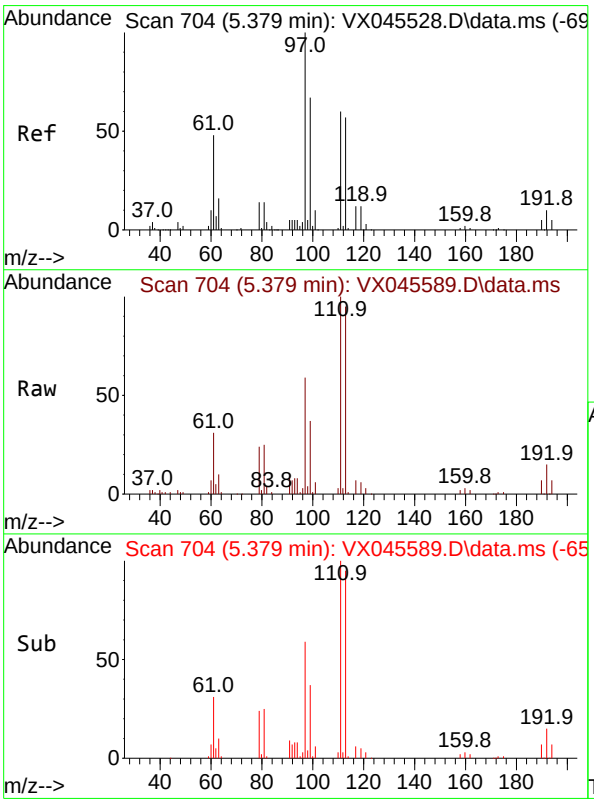
Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.6	35.4
84	84.4	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

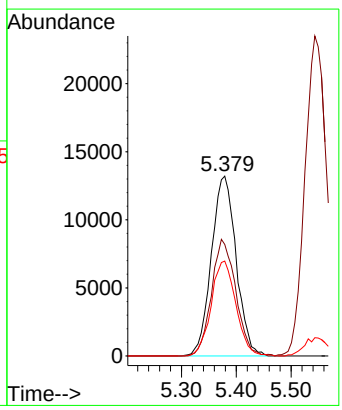
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

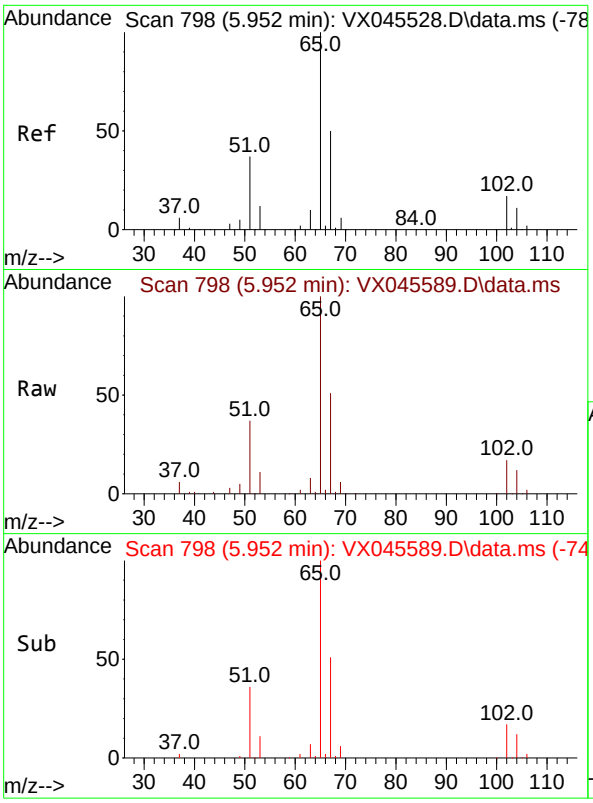


#32
1,1,1-Trichloroethane
Concen: 19.747 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 97 Resp: 41502

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.7	77.5
61	52.7	41.0	61.4

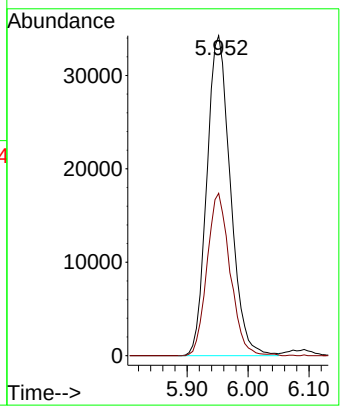




#33
1,2-Dichloroethane-d4
Concen: 52.873 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 65 Resp: 9198

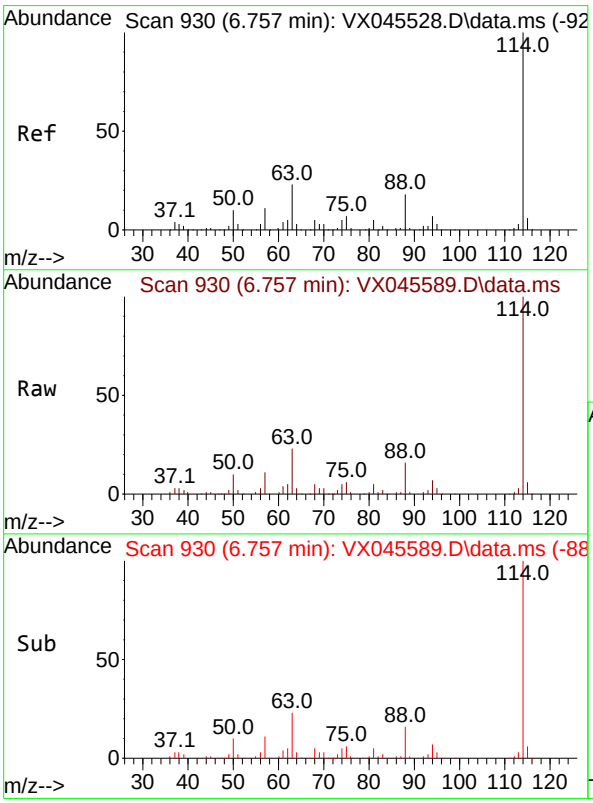
Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

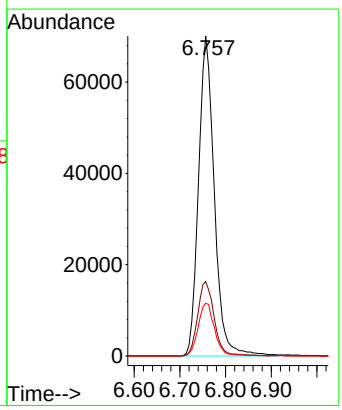
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

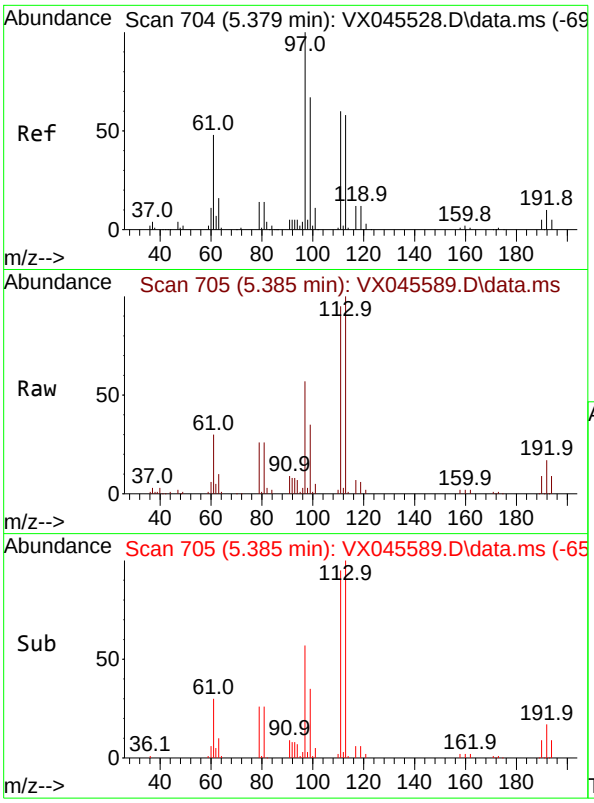


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:114 Resp: 168453

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	46.8
88	16.5	0.0	35.4

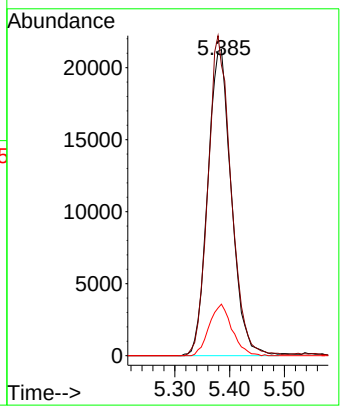




#35
Dibromofluoromethane
Concen: 53.280 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:113 Resp: 6367

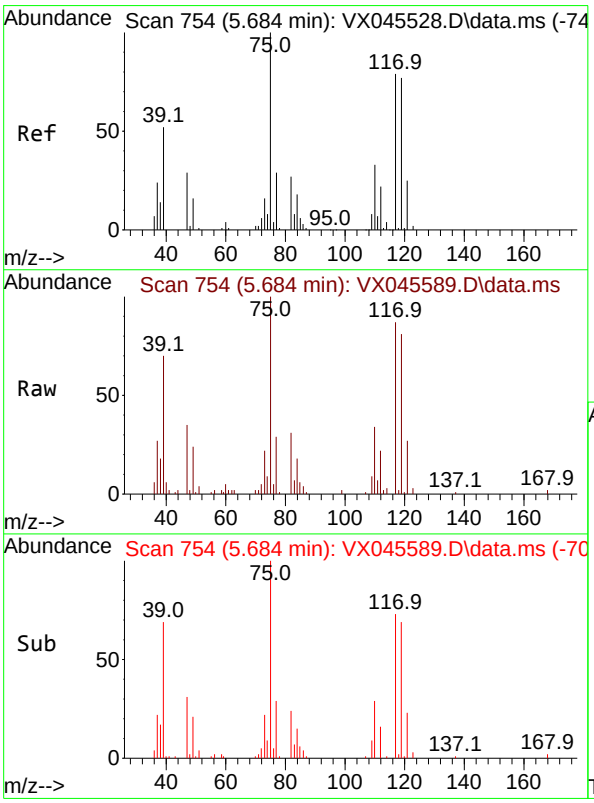
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	16.3	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

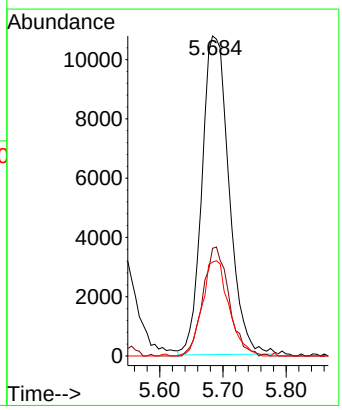
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

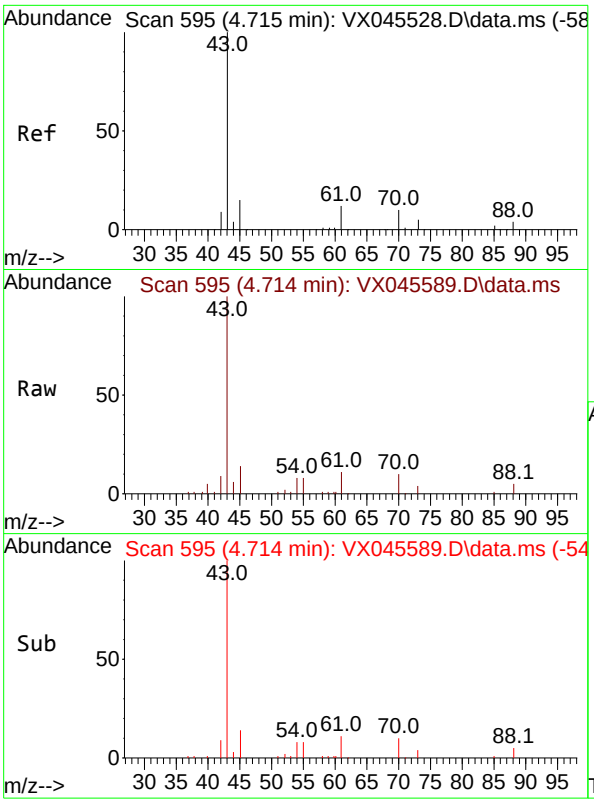


#36
1,1-Dichloropropene
Concen: 19.807 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 75 Resp: 31963

Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.9	50.6
77	29.7	25.0	37.4

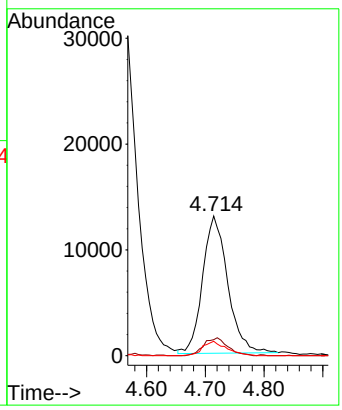




#37
Ethyl Acetate
Concen: 18.957 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 43 Resp: 3855

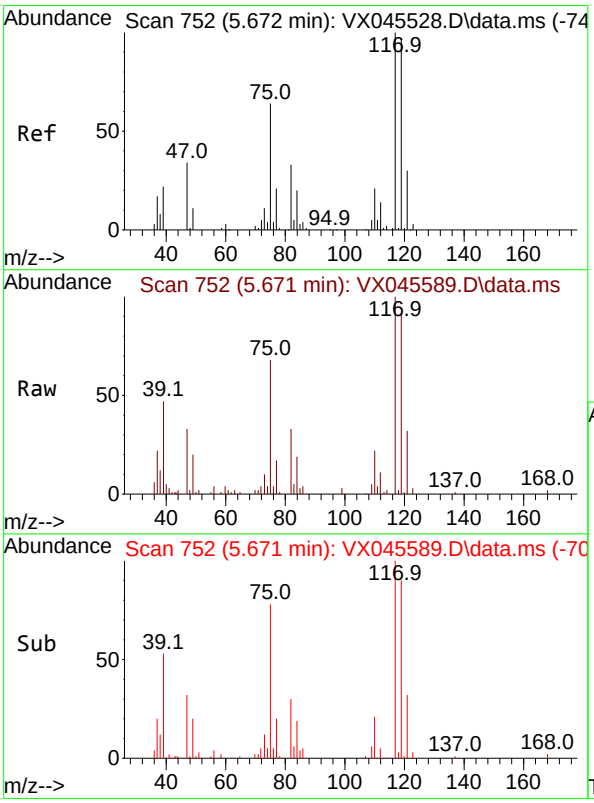
Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.9	14.9
70	10.0	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

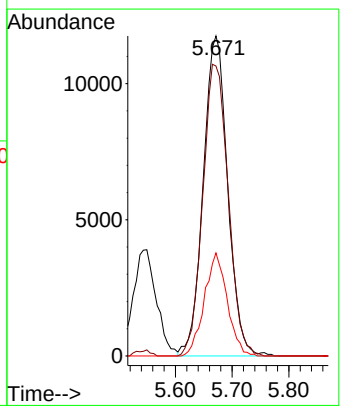
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

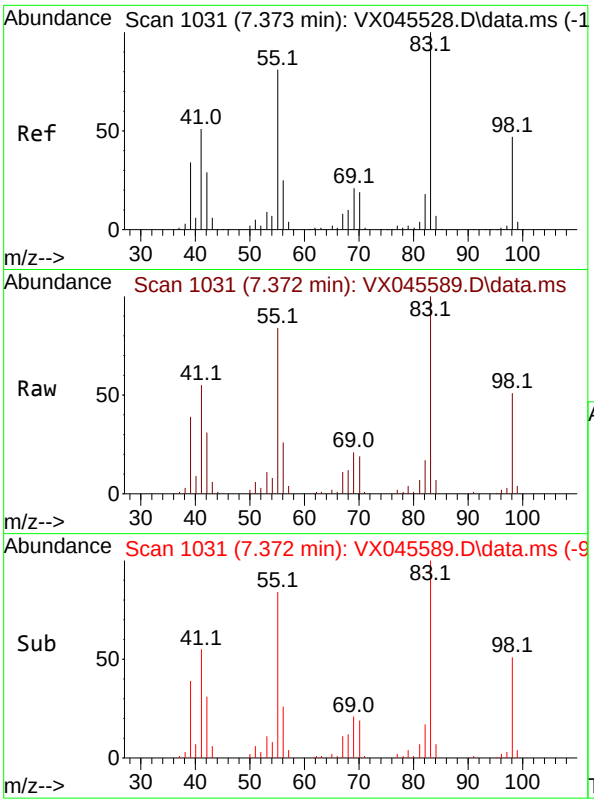


#38
Carbon Tetrachloride
Concen: 20.204 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:117 Resp: 35237

Ion	Ratio	Lower	Upper
117	100		
119	90.6	76.9	115.3
121	32.2	24.2	36.2

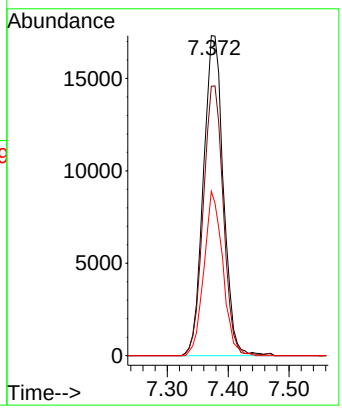




#39
Methylcyclohexane
Concen: 19.990 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 83 Resp: 3954

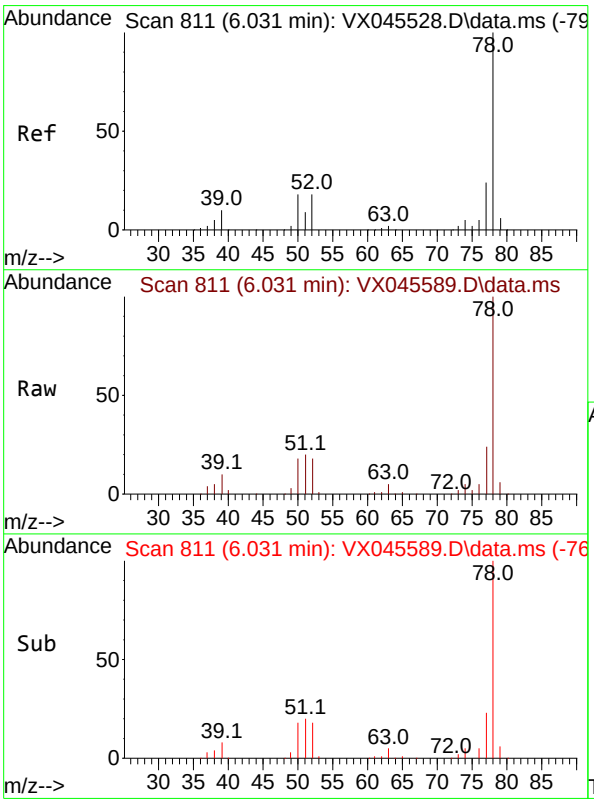
Ion	Ratio	Lower	Upper
83	100		
55	84.2	64.9	97.3
98	51.4	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations APPROVED

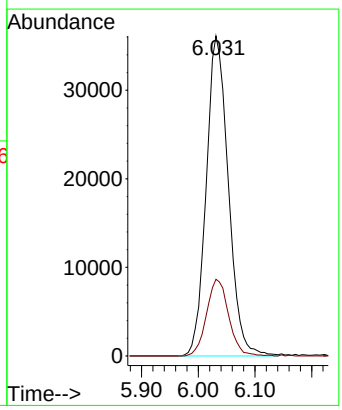
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

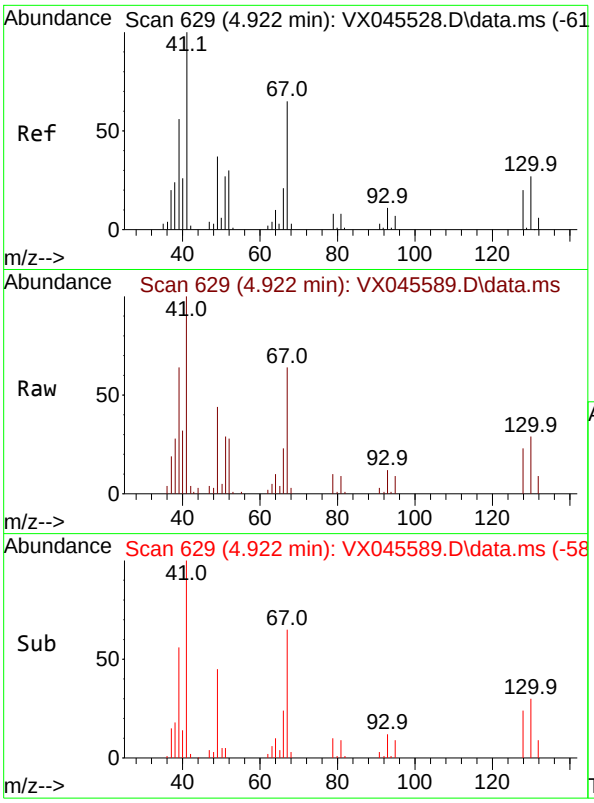


#40
Benzene
Concen: 19.865 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 78 Resp: 97905

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6

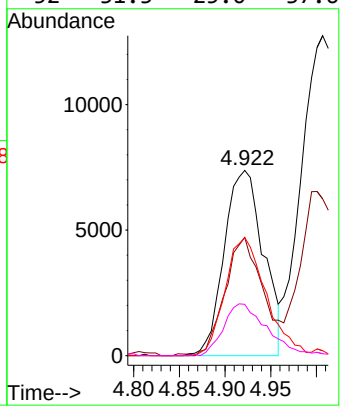




#41
Methacrylonitrile
Concen: 20.585 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 41 Resp: 2208

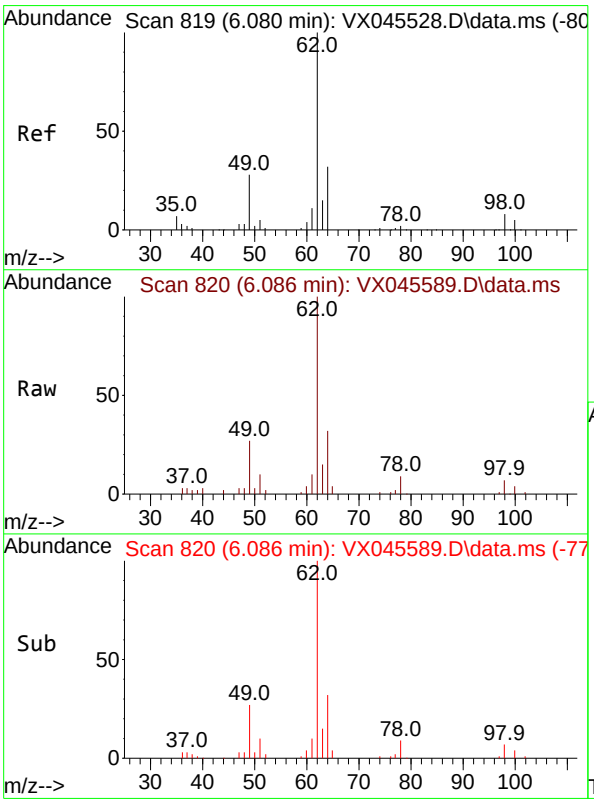
Ion	Ratio	Lower	Upper
41	100		
39	62.5	47.0	70.6
67	66.4	53.2	79.8
52	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

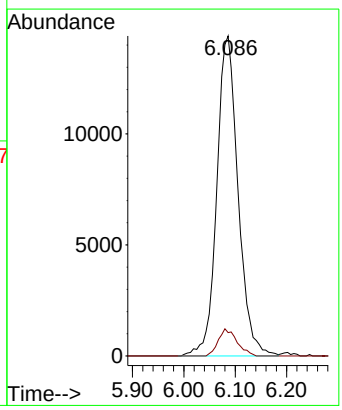
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

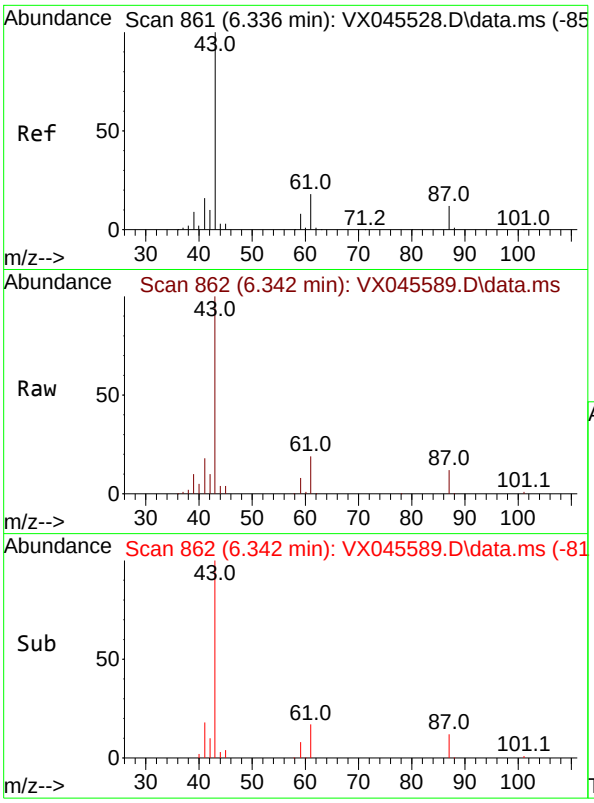


#42
1,2-Dichloroethane
Concen: 20.364 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 62 Resp: 41452

Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.2





#43
Isopropyl Acetate
Concen: 19.244 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

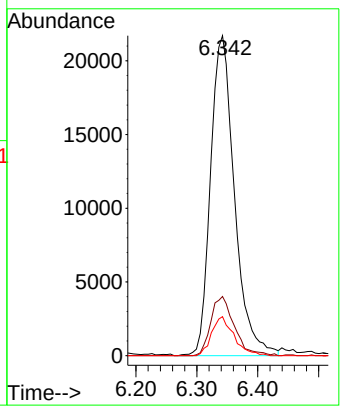
Tgt Ion: 43 Resp: 5931

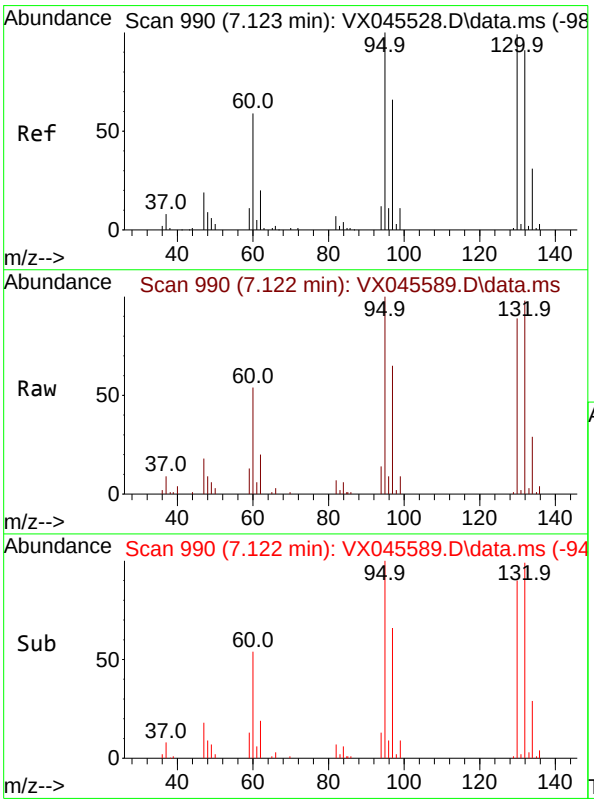
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.1	21.1
87	11.3	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

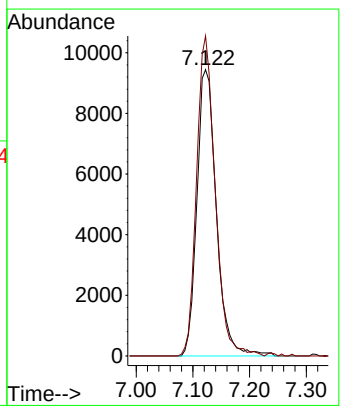


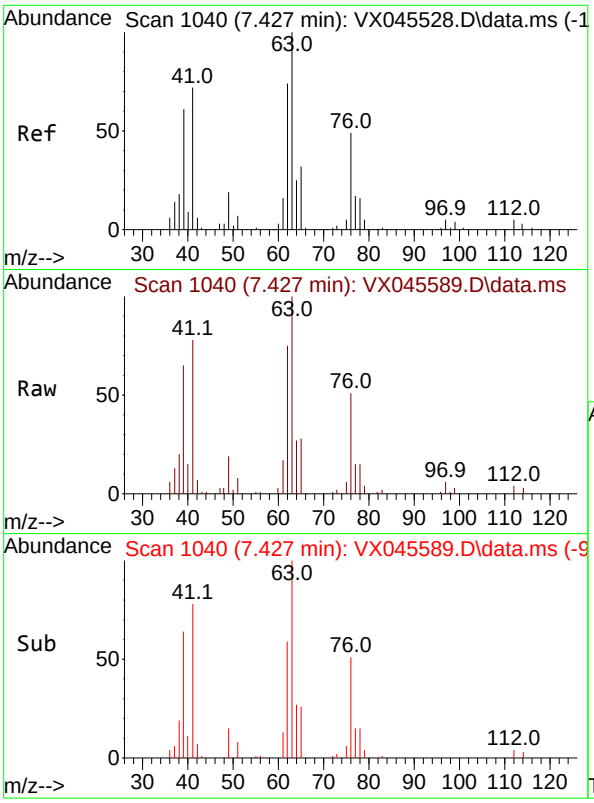


#44
Trichloroethene
Concen: 19.237 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:130 Resp: 22535

Ion	Ratio	Lower	Upper
130	100		
95	111.8	0.0	202.0

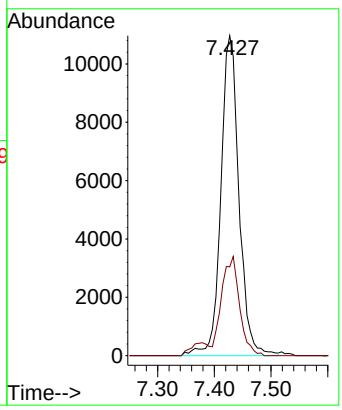




#45
1,2-Dichloropropane
Concen: 19.804 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 63 Resp: 2435

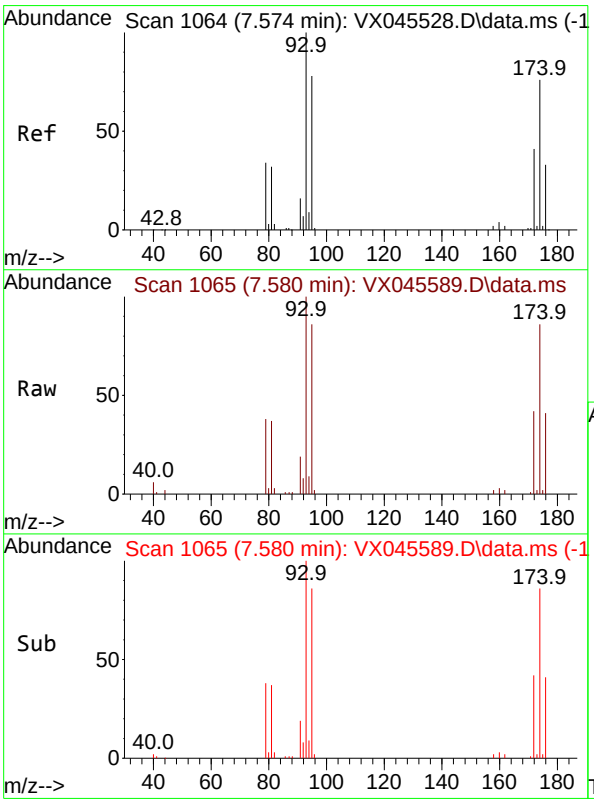
Ion	Ratio	Lower	Upper
63	100		
65	27.7	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

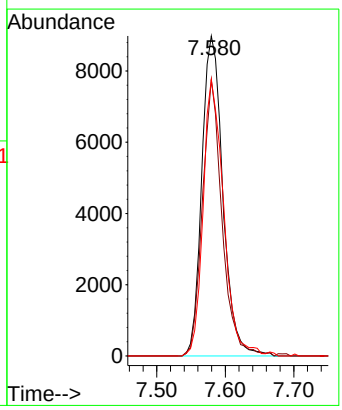
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

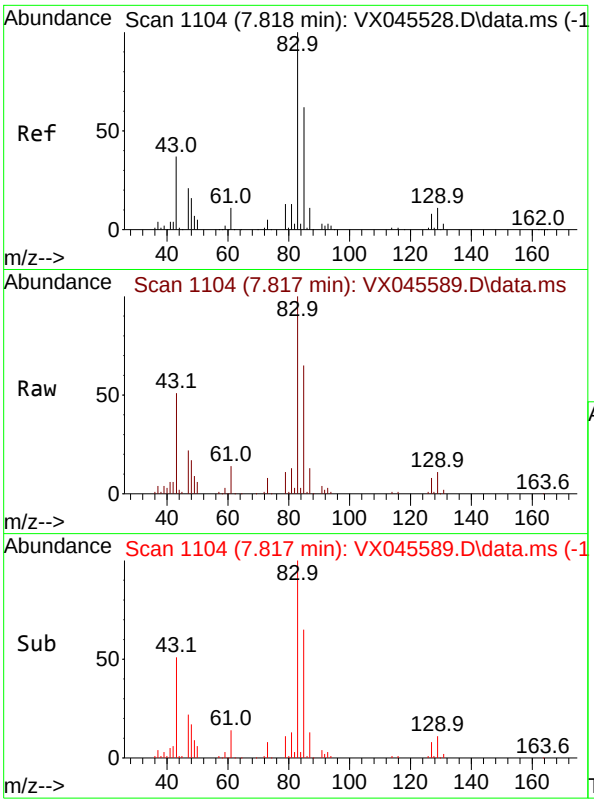


#46
Dibromomethane
Concen: 20.328 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 93 Resp: 19189

Ion	Ratio	Lower	Upper
93	100		
95	80.6	64.8	97.2
174	84.3	65.4	98.0

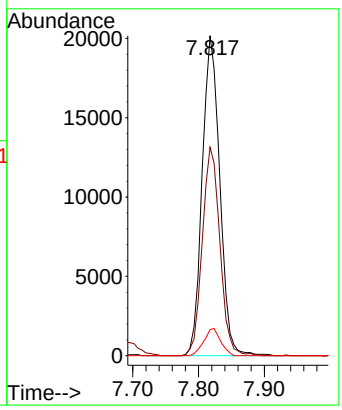




#47
Bromodichloromethane
Concen: 19.932 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 83 Resp: 3757

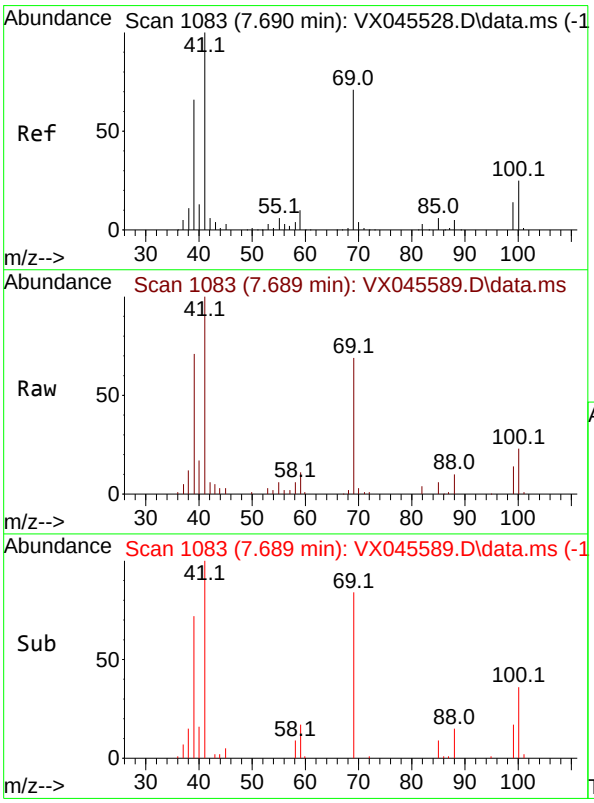
Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.7	74.5
127	8.1	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

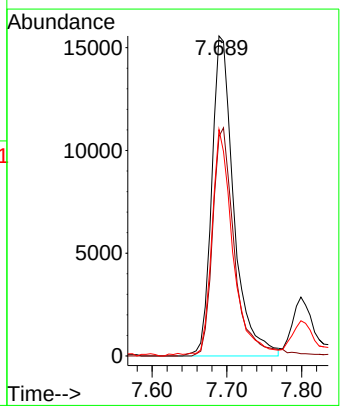
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

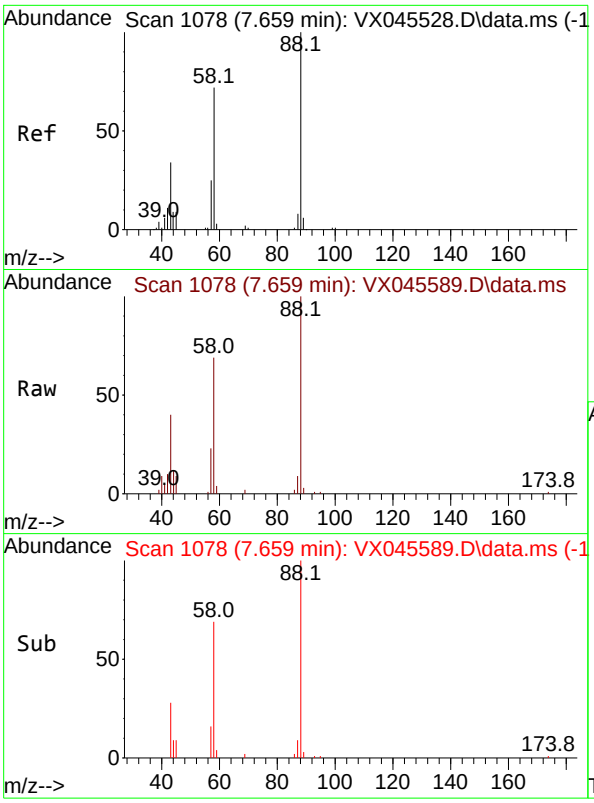


#48
Methyl methacrylate
Concen: 20.104 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 41 Resp: 31993

Ion	Ratio	Lower	Upper
41	100		
69	71.6	58.2	87.2
39	65.8	53.6	80.4





#49
1,4-Dioxane
Concen: 414.998 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

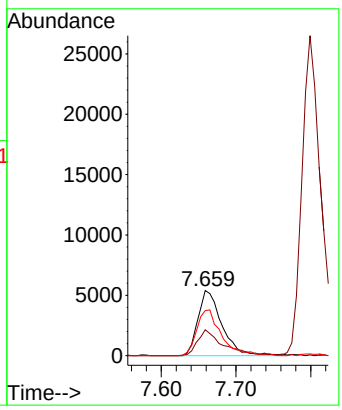
Tgt Ion: 88 Resp: 1194

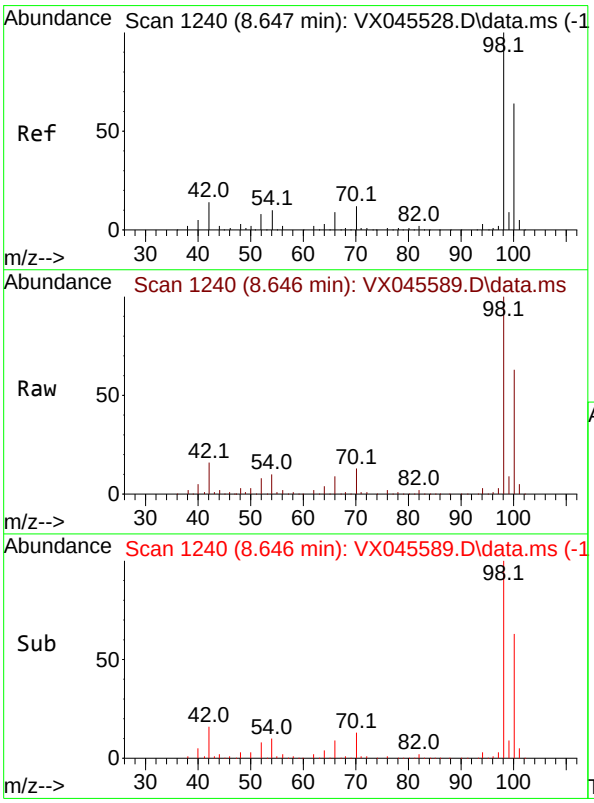
Ion	Ratio	Lower	Upper
88	100		
43	42.4	32.2	48.4
58	72.6	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

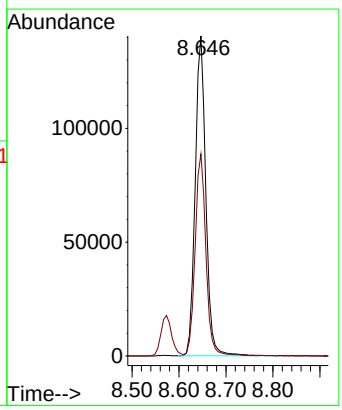


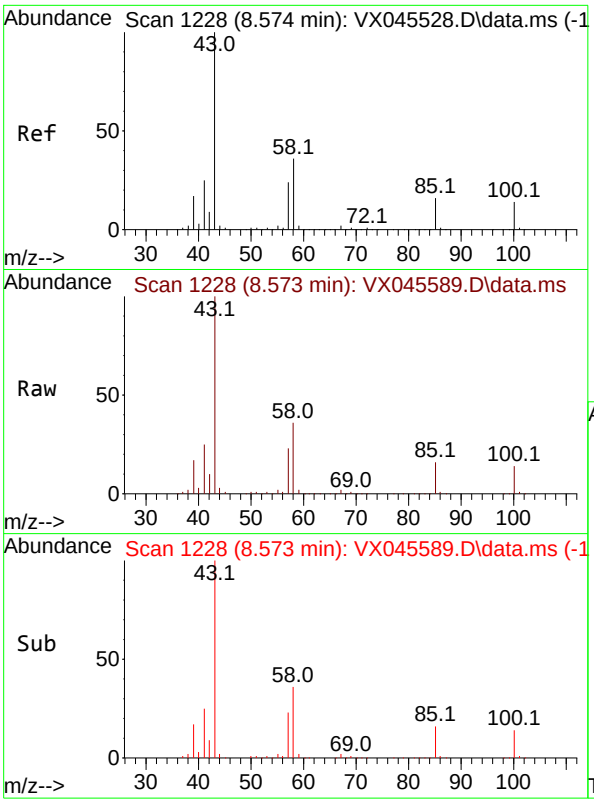


#50
Toluene-d8
Concen: 53.195 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 98 Resp: 221910

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.2	78.4





#51
4-Methyl-2-Pentanone
Concen: 102.524 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

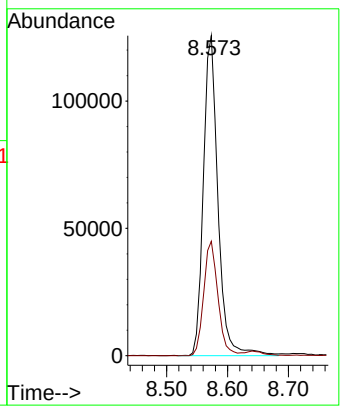
Tgt Ion: 43 Resp: 20948

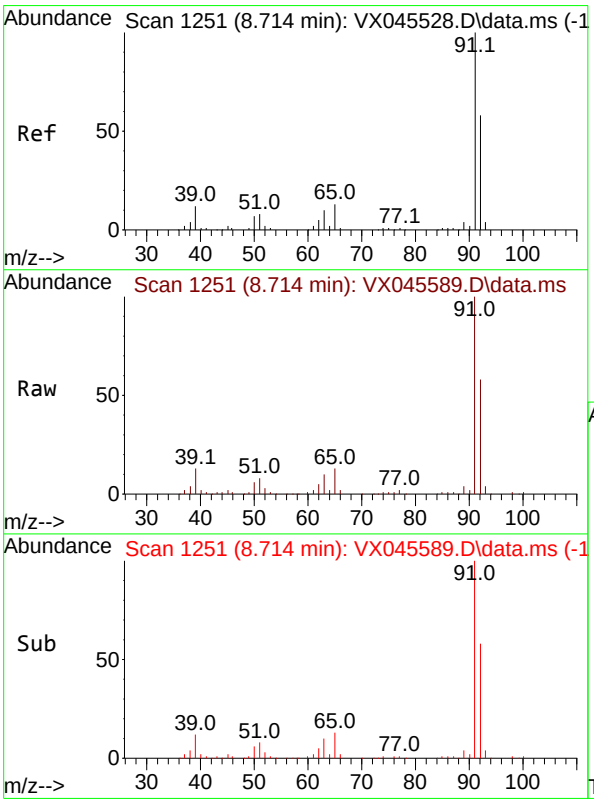
Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.5	42.7

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

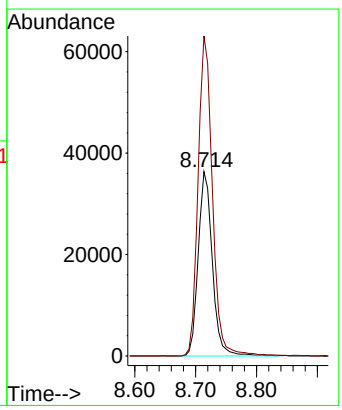


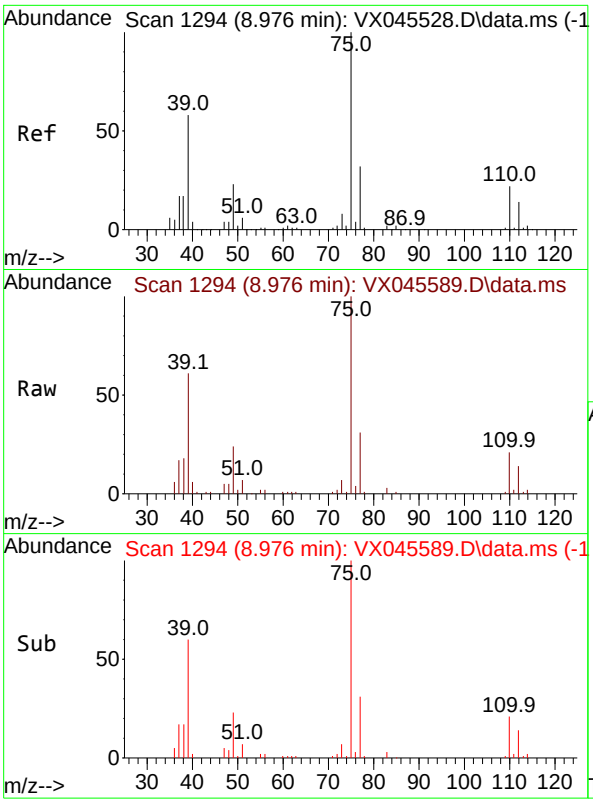


#52
Toluene
Concen: 19.623 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 92 Resp: 58522

Ion	Ratio	Lower	Upper
92	100		
91	176.2	138.7	208.1

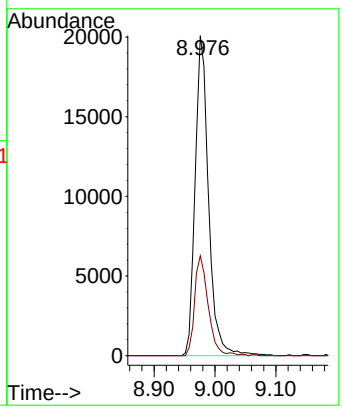




#53
t-1,3-Dichloropropene
Concen: 18.474 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 75 Resp: 3074

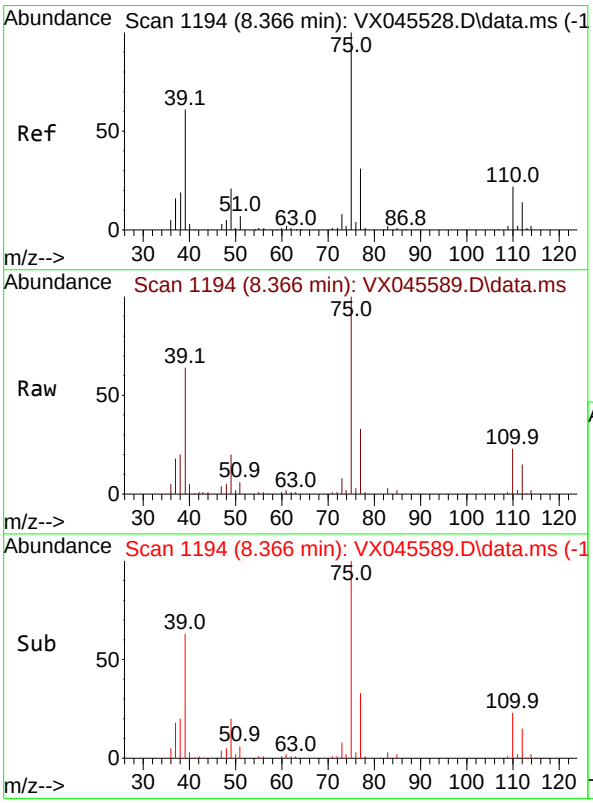
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

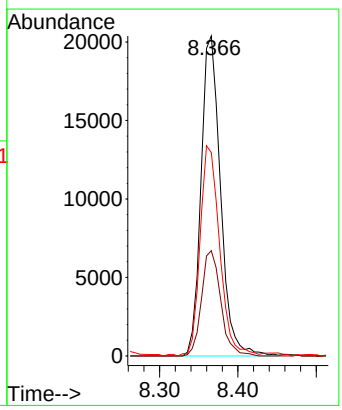
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

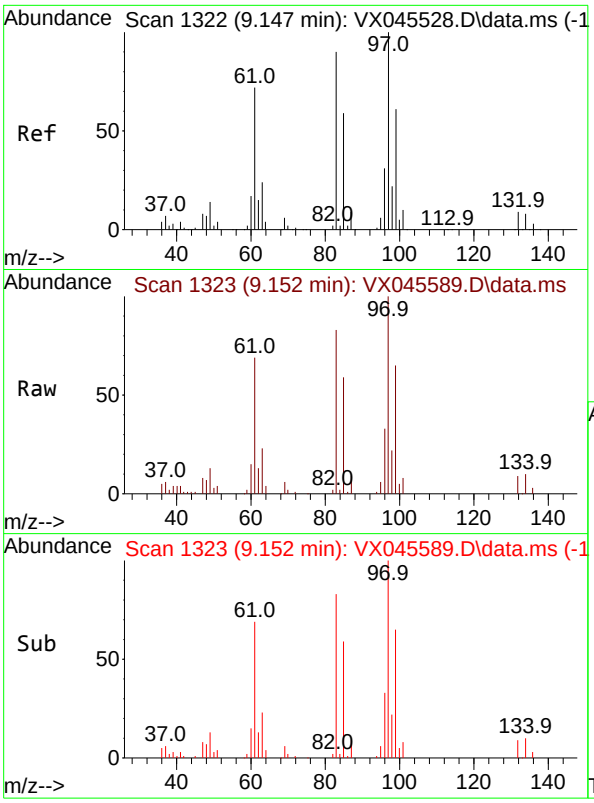


#54
cis-1,3-Dichloropropene
Concen: 19.846 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 75 Resp: 35158

Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.6	36.8
39	63.6	48.4	72.6

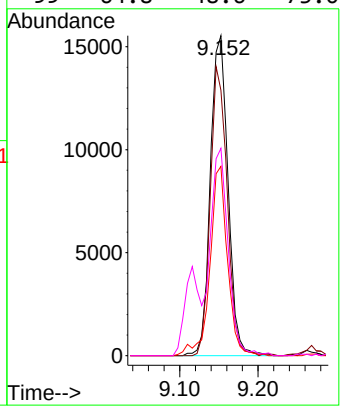




#55
1,1,2-Trichloroethane
Concen: 20.482 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 97 Resp: 2434

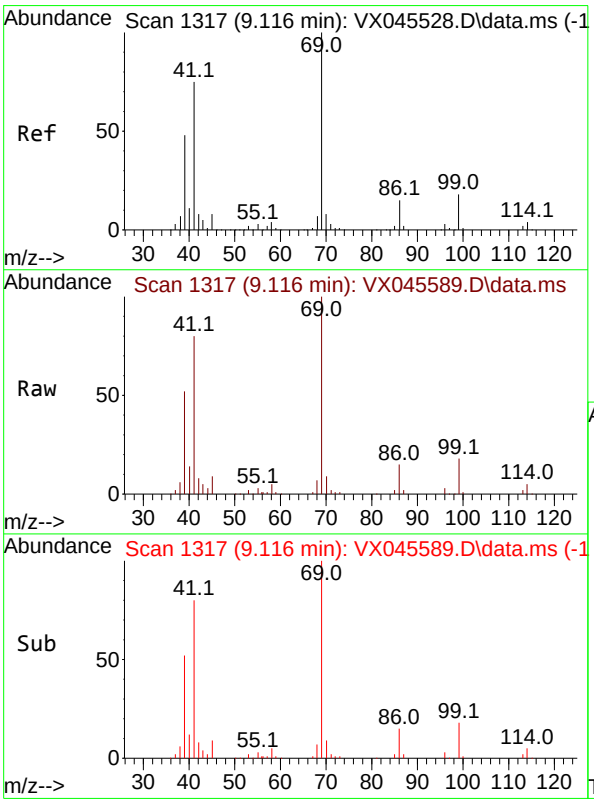
Ion	Ratio	Lower	Upper
97	100		
83	83.0	71.8	107.8
85	59.2	47.0	70.6
99	64.8	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

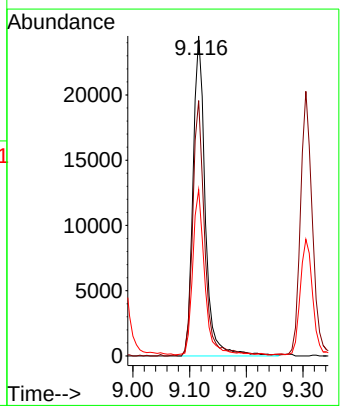
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

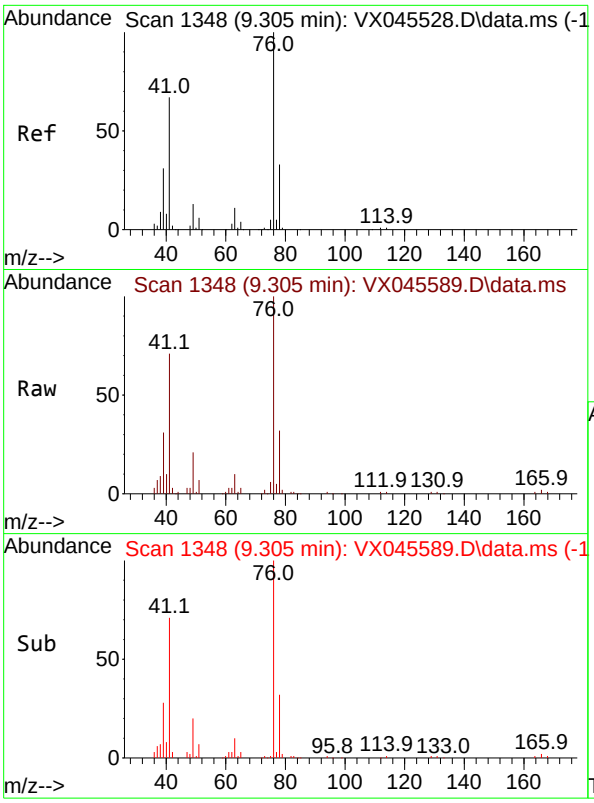


#56
Ethyl methacrylate
Concen: 19.931 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 69 Resp: 36657

Ion	Ratio	Lower	Upper
69	100		
41	78.8	61.3	91.9
39	50.6	40.2	60.2

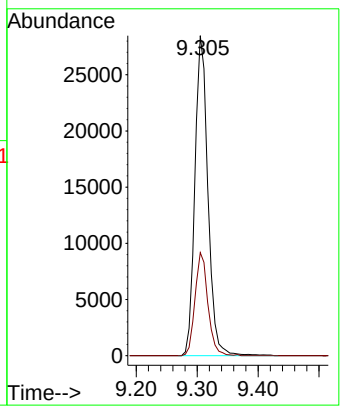




#57
1,3-Dichloropropane
Concen: 20.400 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 76 Resp: 4221

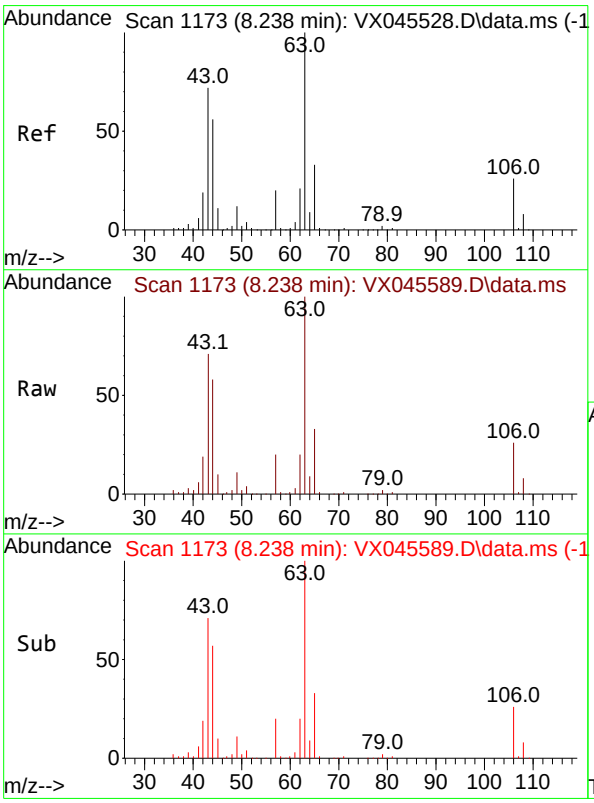
Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

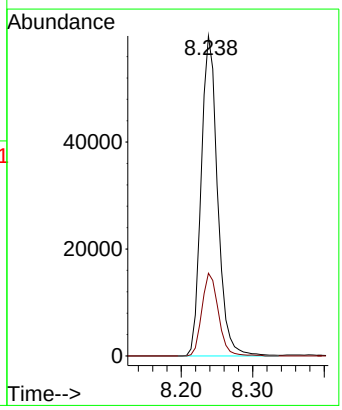
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

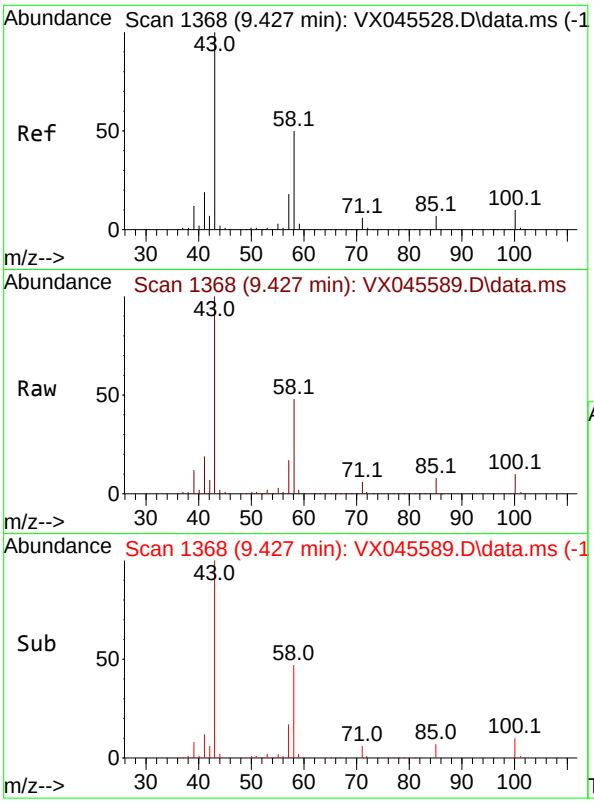


#58
2-Chloroethyl Vinyl ether
Concen: 102.664 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 63 Resp: 95516

Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.0	31.6

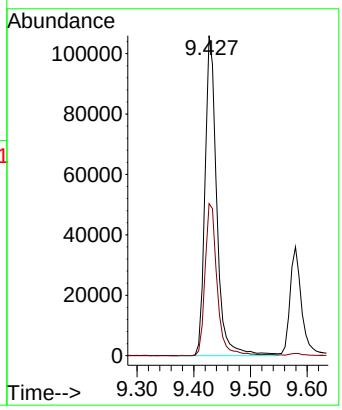




#59
2-Hexanone
Concen: 101.036 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 43 Resp: 15287

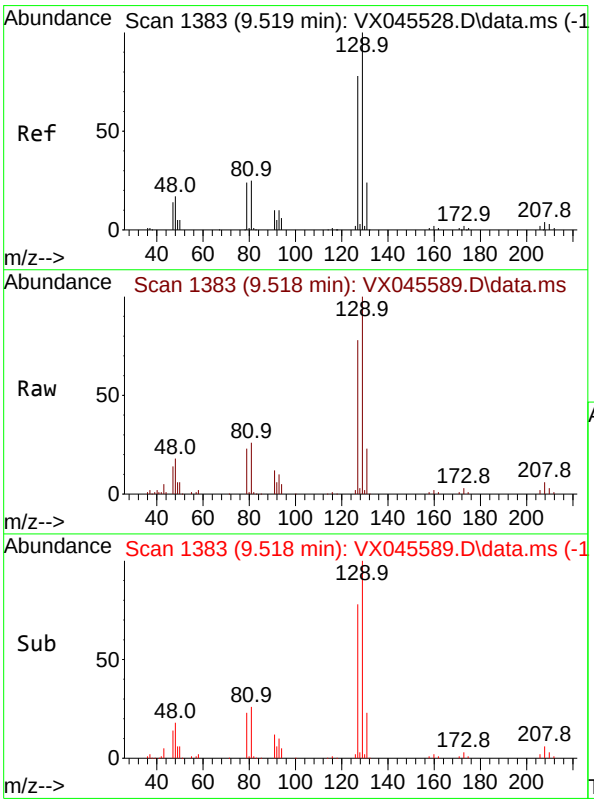
Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

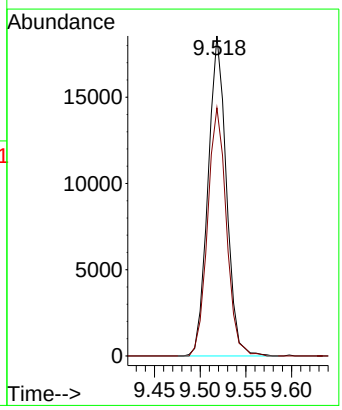
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

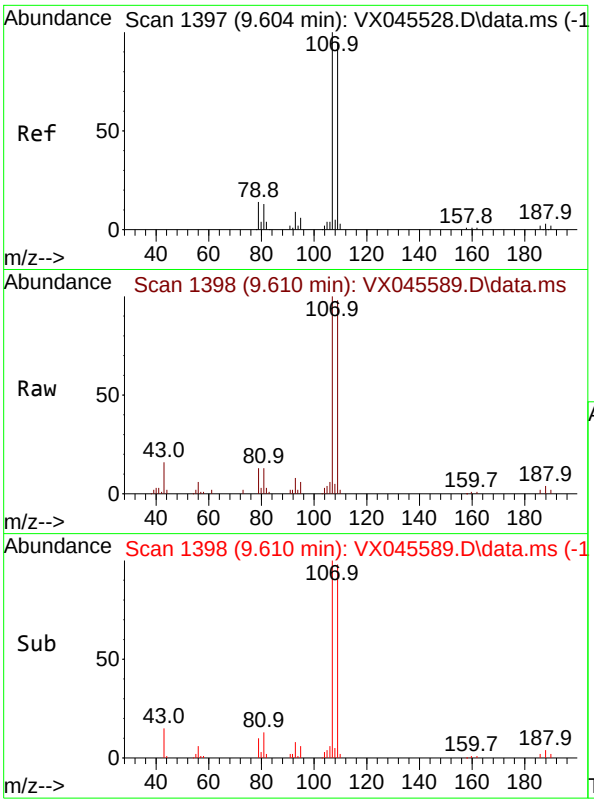


#60
Dibromochloromethane
Concen: 19.946 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:129 Resp: 25841

Ion	Ratio	Lower	Upper
129	100		
127	79.5	39.4	118.2

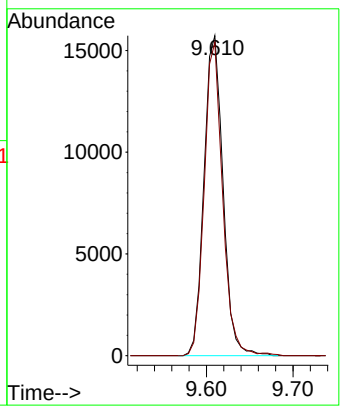




#61
1,2-Dibromoethane
Concen: 19.930 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:107 Resp: 2397

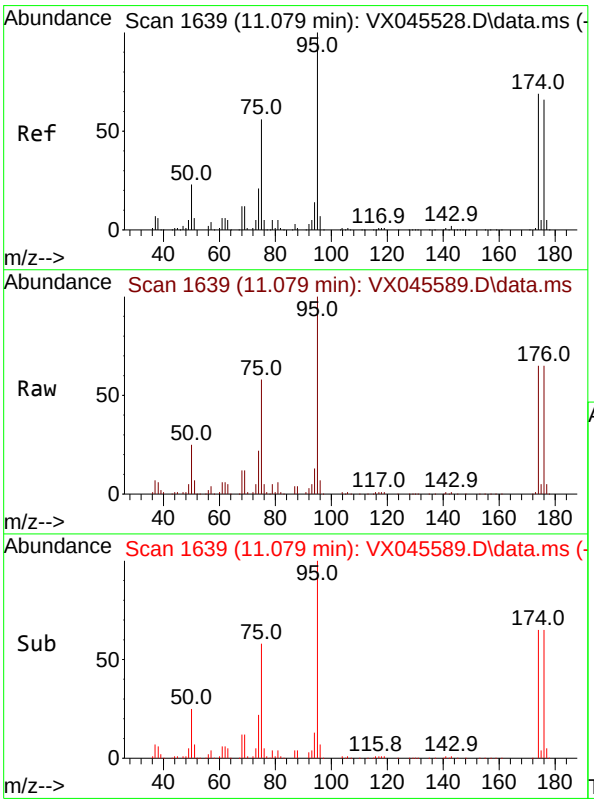
Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

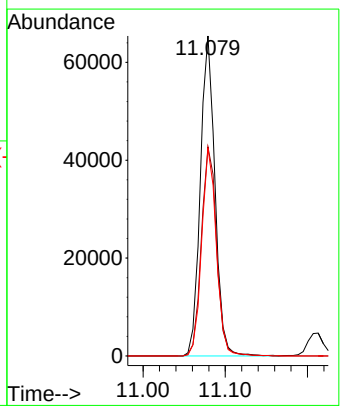
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

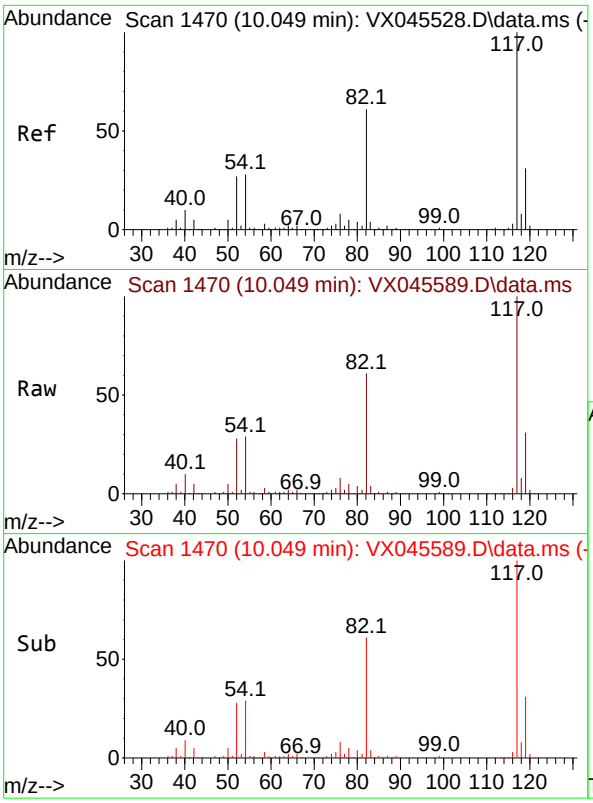


#62
4-Bromofluorobenzene
Concen: 53.227 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 95 Resp: 80880

Ion	Ratio	Lower	Upper
95	100		
174	68.0	0.0	135.8
176	65.0	0.0	131.4

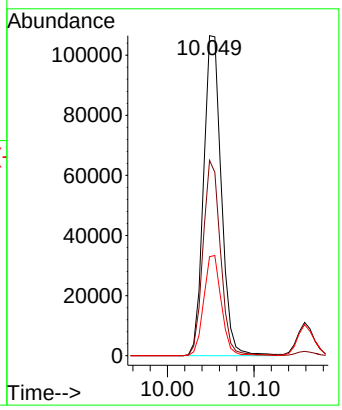




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:117 Resp: 15174

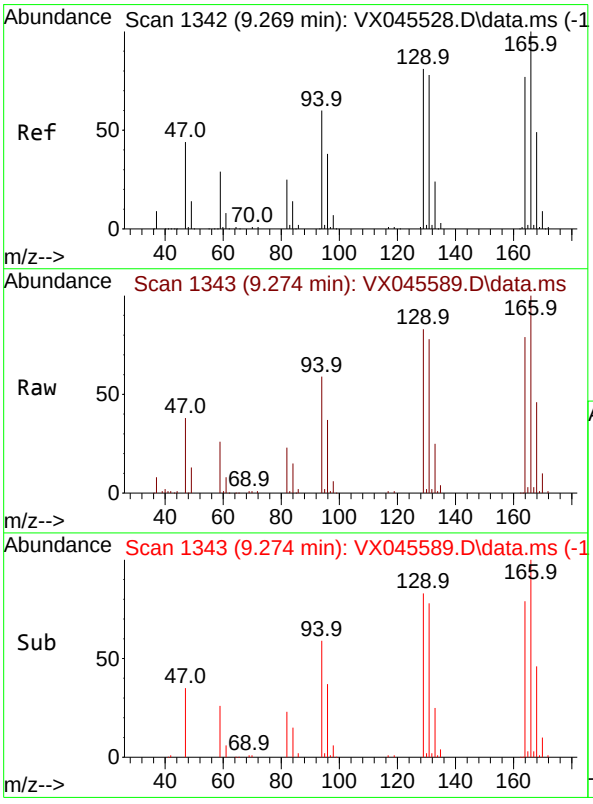
Ion	Ratio	Lower	Upper
117	100		
82	61.1	49.2	73.8
119	31.0	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

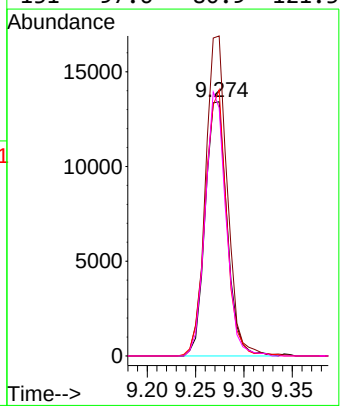
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

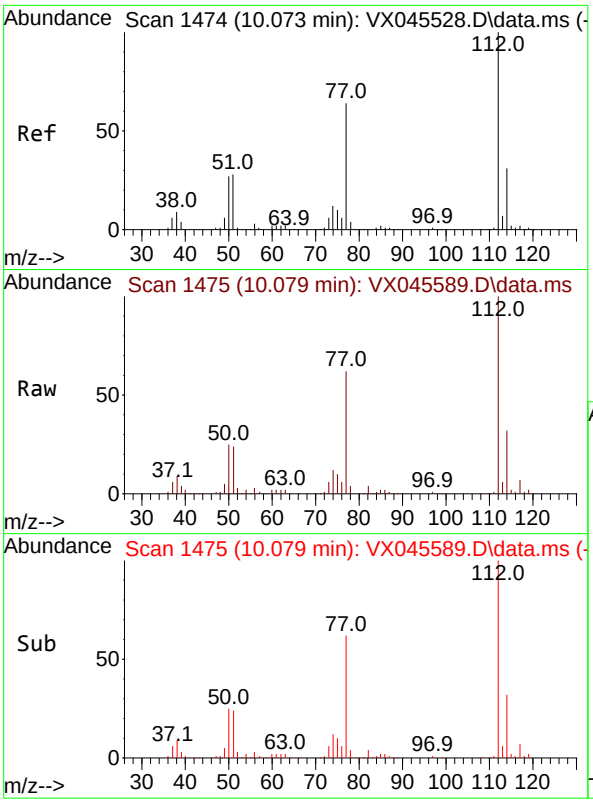


#64
Tetrachloroethene
Concen: 19.646 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.005 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:164 Resp: 21048

Ion	Ratio	Lower	Upper
164	100		
166	125.8	103.8	155.8
129	104.6	84.3	126.5
131	97.6	80.9	121.3

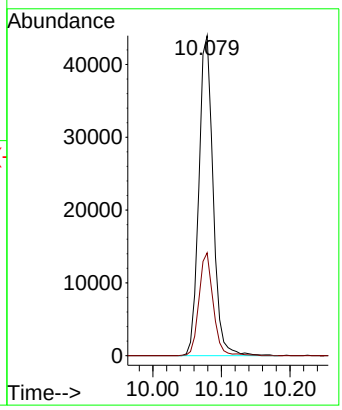




#65
Chlorobenzene
Concen: 19.598 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:112 Resp: 6354

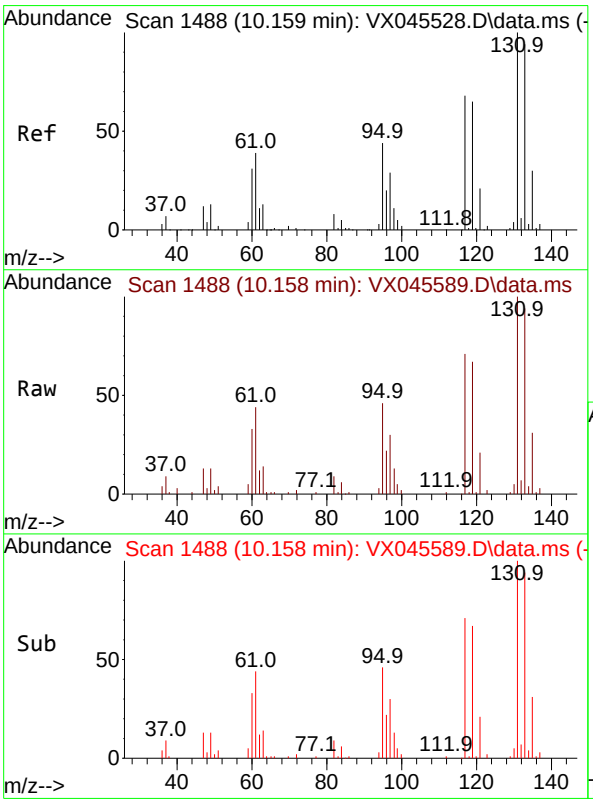
Ion	Ratio	Lower	Upper
112	100		
114	32.1	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

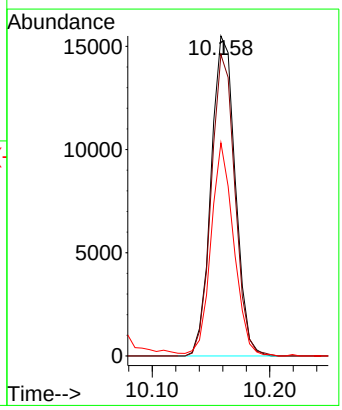
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

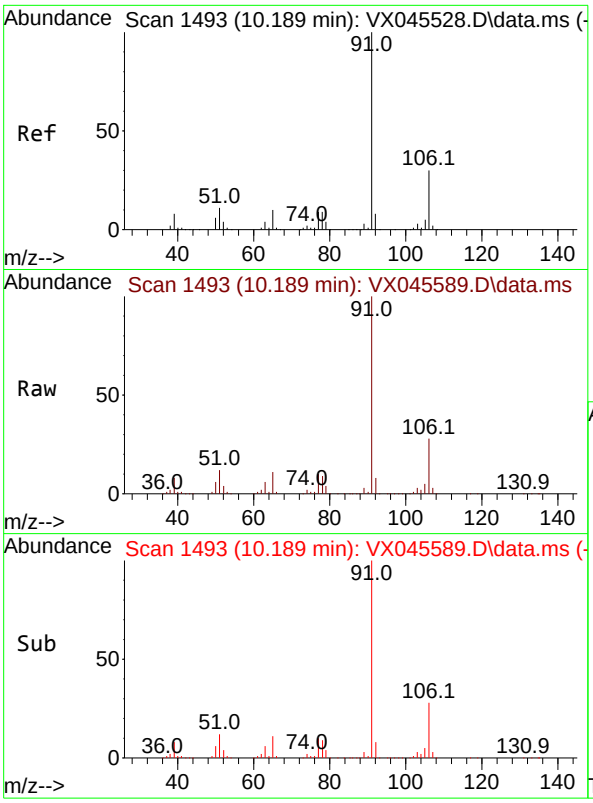


#66
1,1,1,2-Tetrachloroethane
Concen: 19.676 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:131 Resp: 22150

Ion	Ratio	Lower	Upper
131	100		
133	92.3	47.5	142.5
119	62.5	32.9	98.6

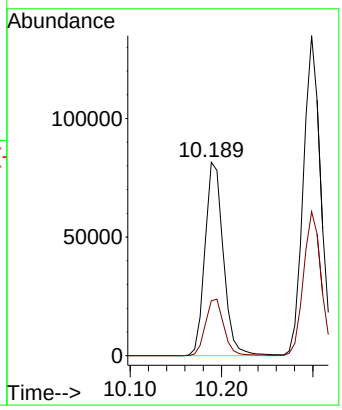




#67
Ethyl Benzene
Concen: 19.613 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 91 Resp: 11390

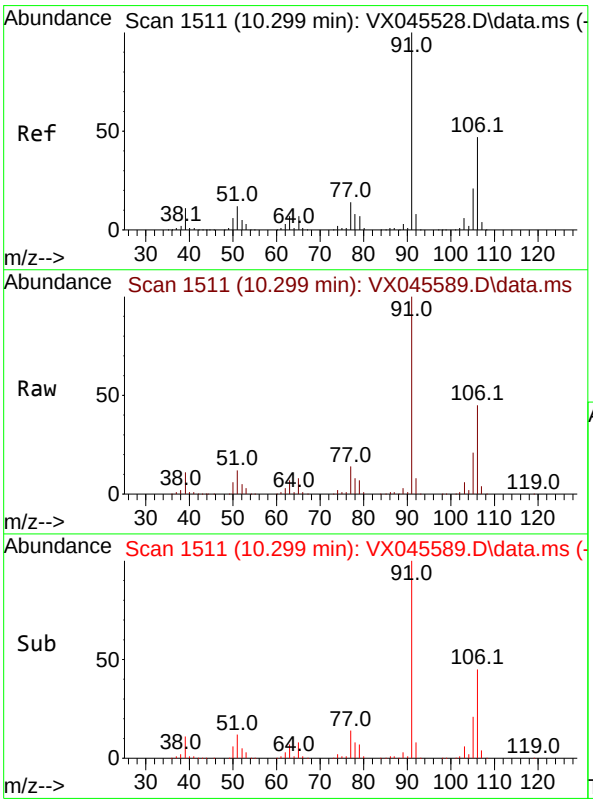
Ion	Ratio	Lower	Upper
91	100		
106	28.4	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

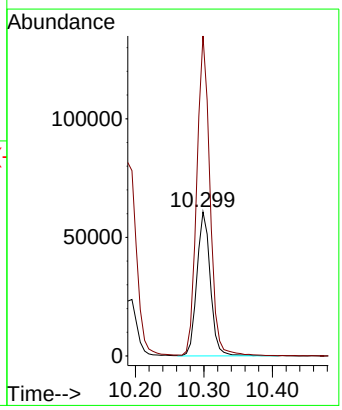
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

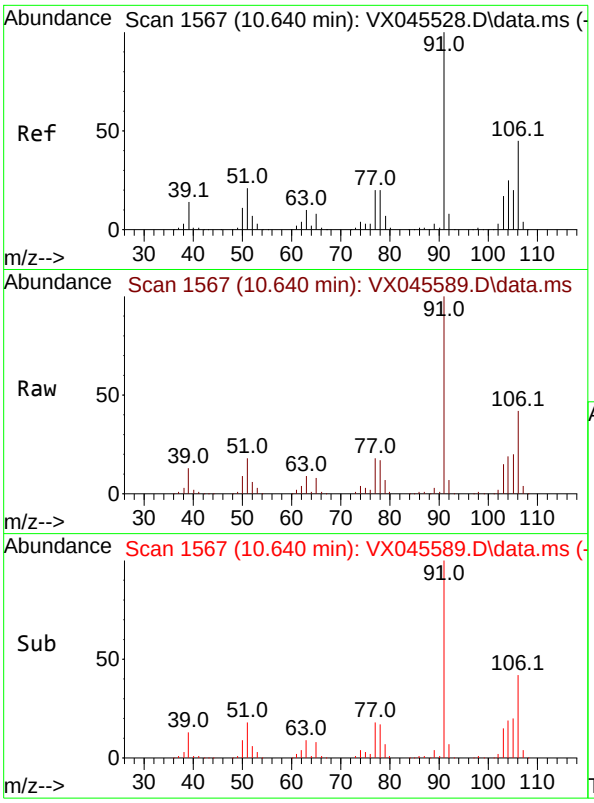


#68
m/p-Xylenes
Concen: 39.245 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:106 Resp: 82893

Ion	Ratio	Lower	Upper
106	100		
91	218.1	172.6	258.8

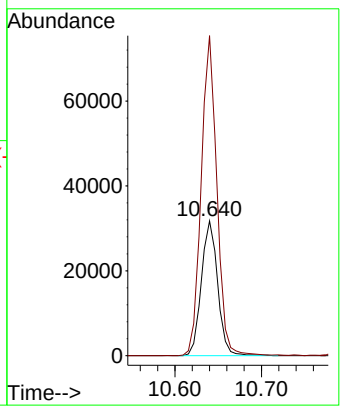




#69
o-Xylene
Concen: 19.908 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:106 Resp: 4142

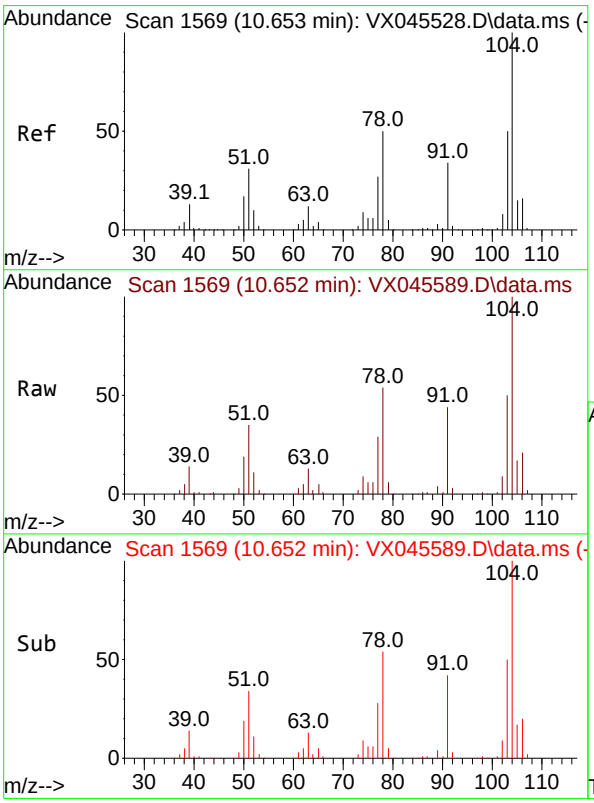
Ion	Ratio	Lower	Upper
106	100		
91	229.0	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

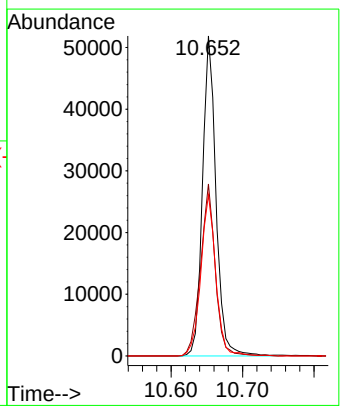
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

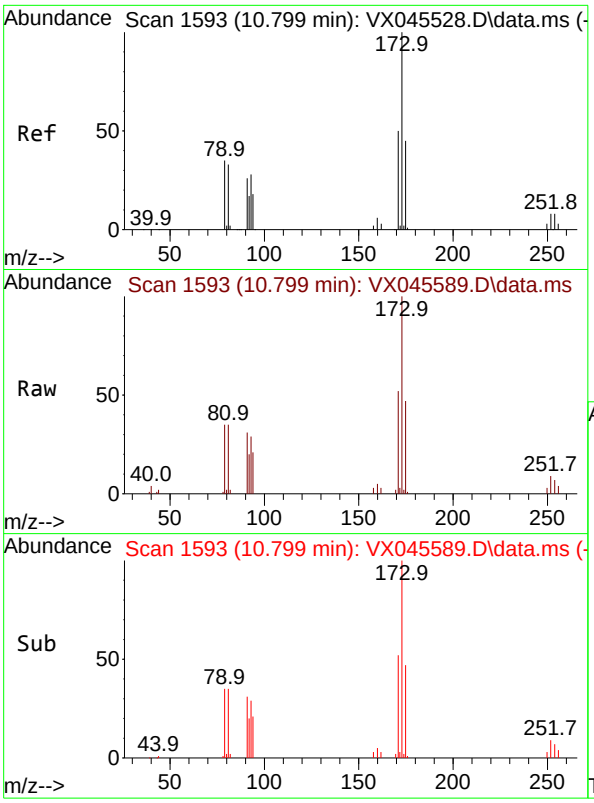


#70
Styrene
Concen: 19.846 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:104 Resp: 68156

Ion	Ratio	Lower	Upper
104	100		
78	58.8	45.4	68.2
103	55.7	43.8	65.8

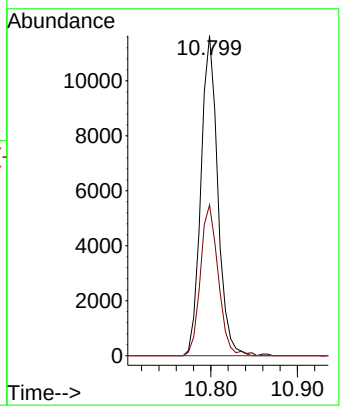




#71
Bromoform
Concen: 18.768 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:173 Resp: 1577

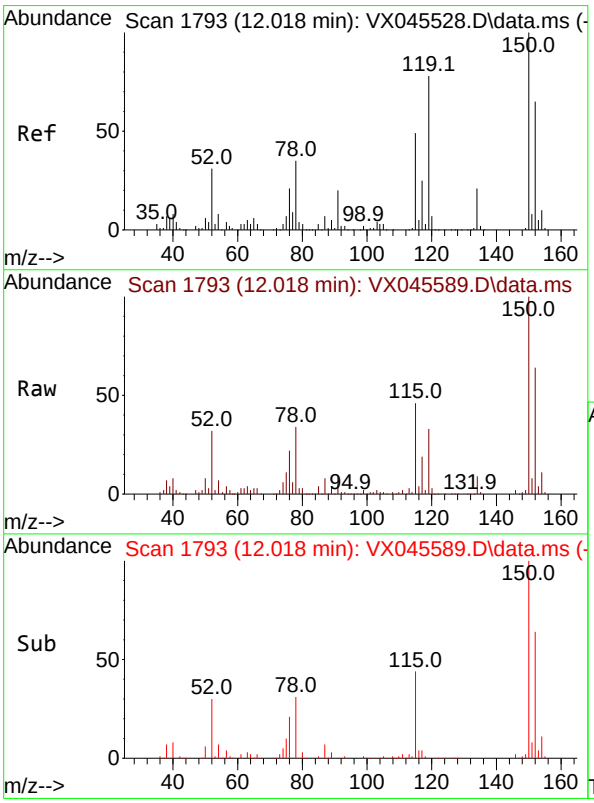
Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

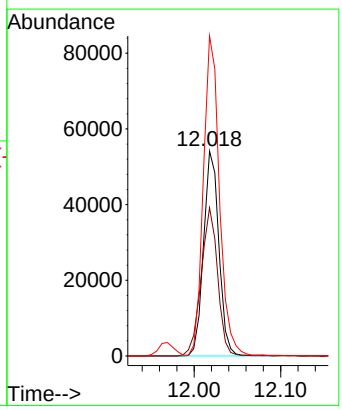
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

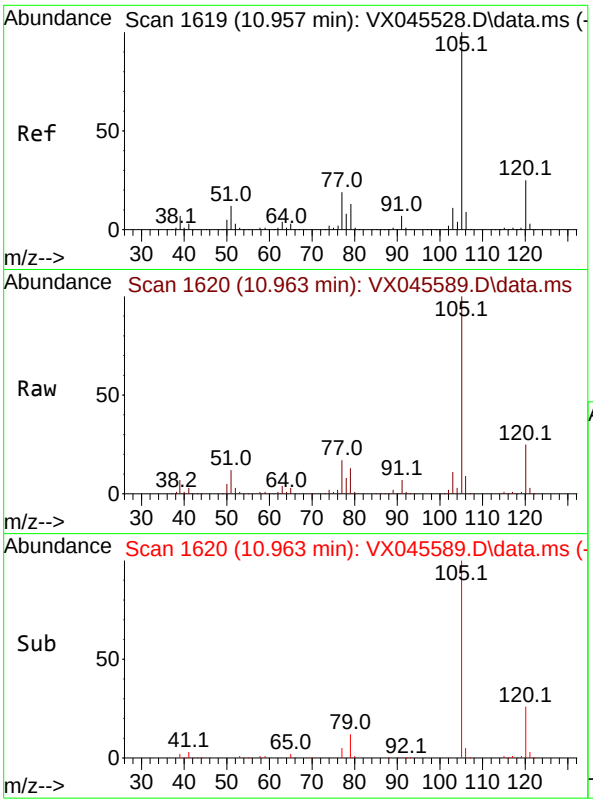


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:152 Resp: 66584

Ion	Ratio	Lower	Upper
152	100		
115	77.8	46.9	140.7
150	162.7	0.0	349.4

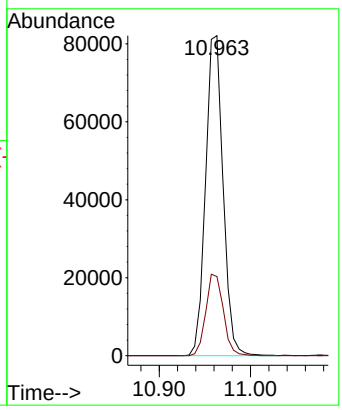




#73
Isopropylbenzene
Concen: 20.461 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:105 Resp: 10912

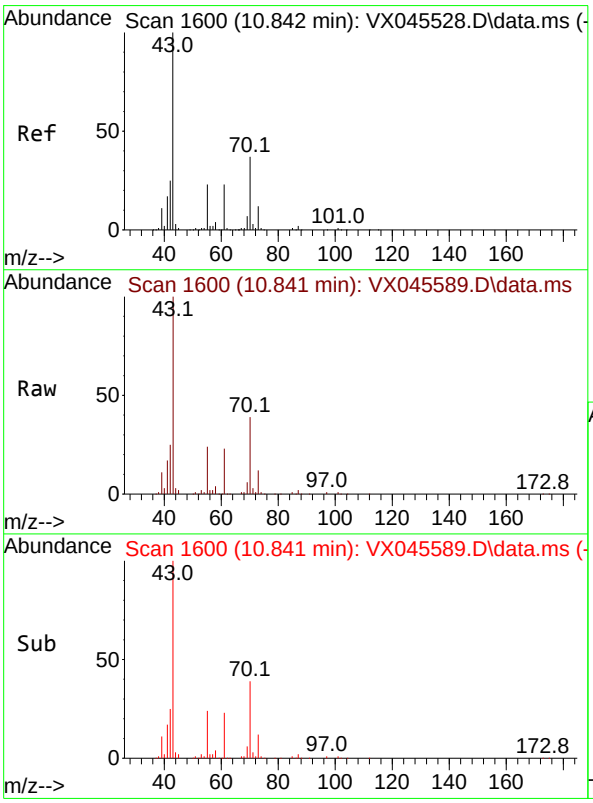
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations APPROVED

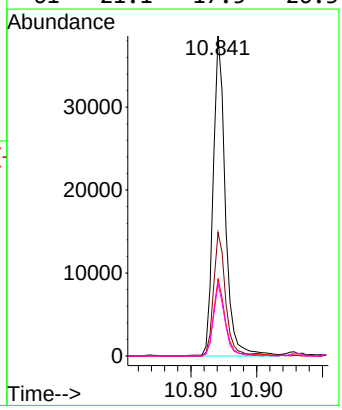
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

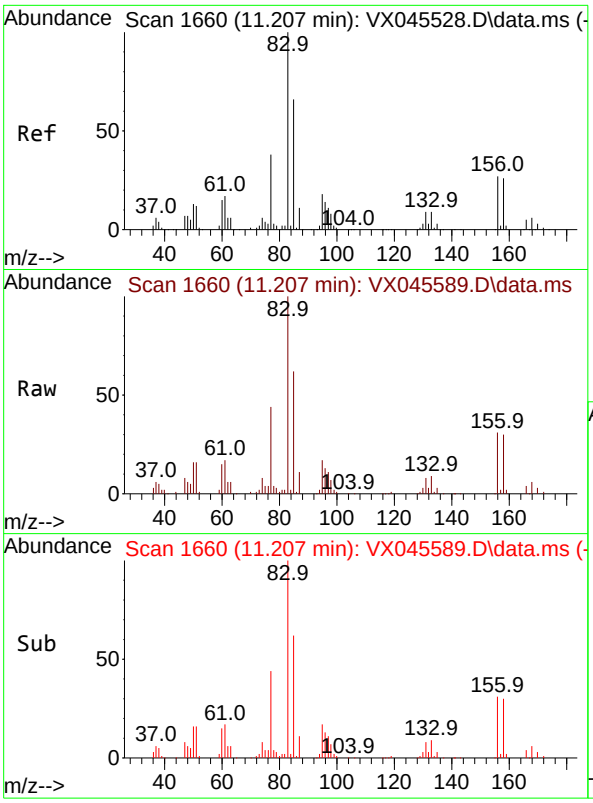


#74
N-amyl acetate
Concen: 19.508 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 43 Resp: 49771

Ion	Ratio	Lower	Upper
43	100		
70	37.5	30.1	45.1
55	23.5	18.3	27.5
61	21.1	17.5	26.3

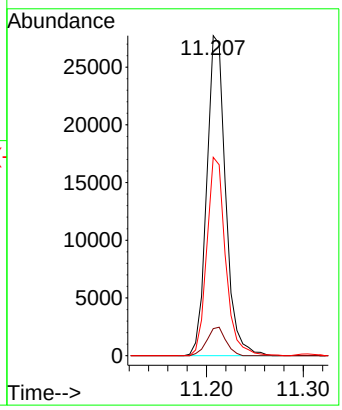




#75
1,1,2,2-Tetrachloroethane
Concen: 20.056 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 83 Resp: 3757

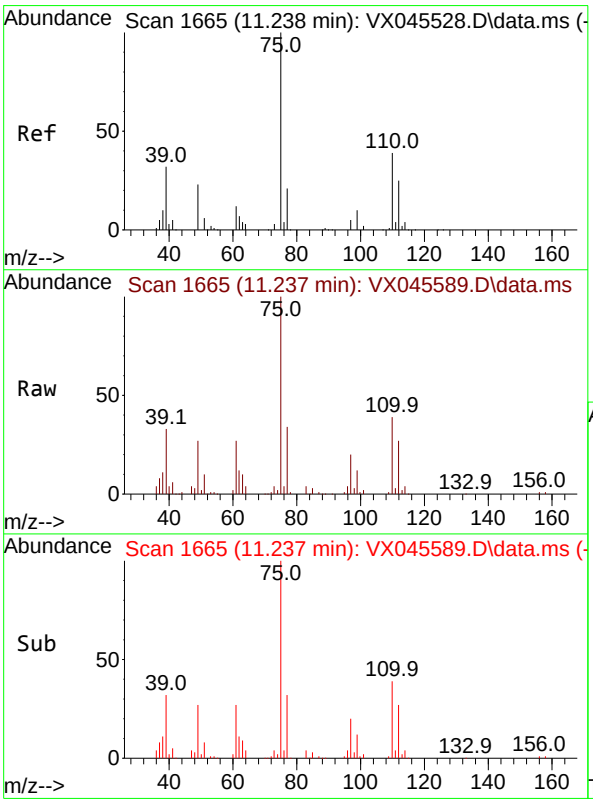
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.7	14.1
85	61.4	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

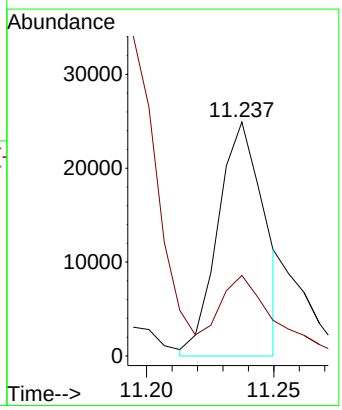
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

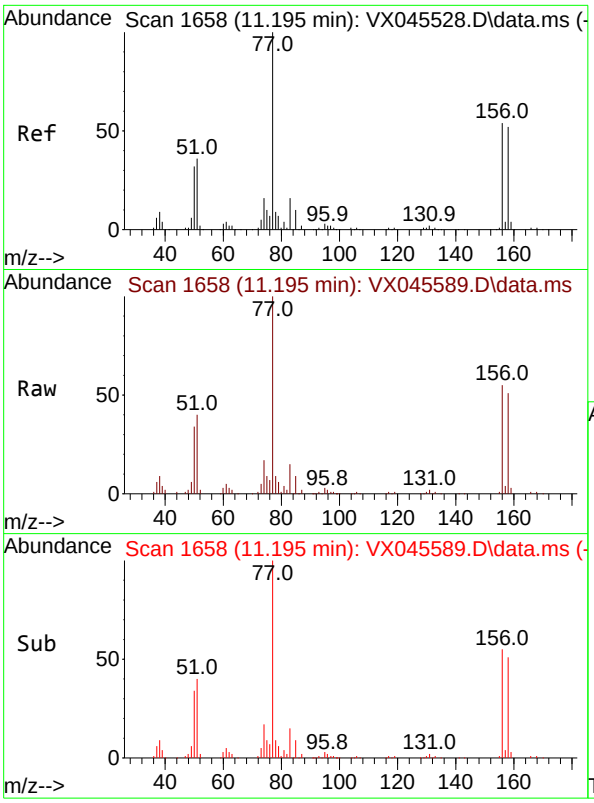


#76
1,2,3-Trichloropropane
Concen: 19.363 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 75 Resp: 31448

Ion	Ratio	Lower	Upper
75	100		
77	41.4	20.0	59.9

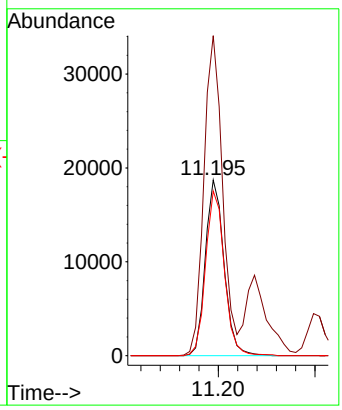




#77
Bromobenzene
Concen: 20.293 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:156 Resp: 2500

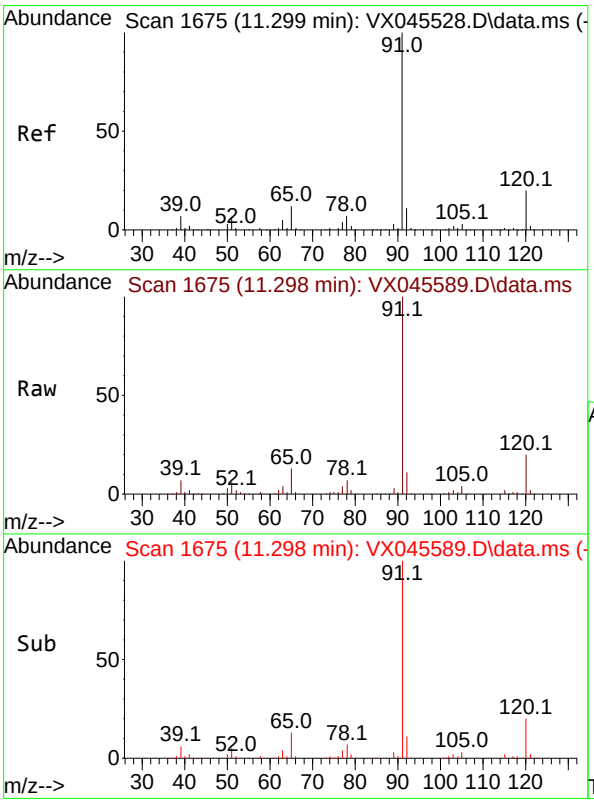
Ion	Ratio	Lower	Upper
156	100		
77	182.0	92.6	277.8
158	94.5	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations APPROVED

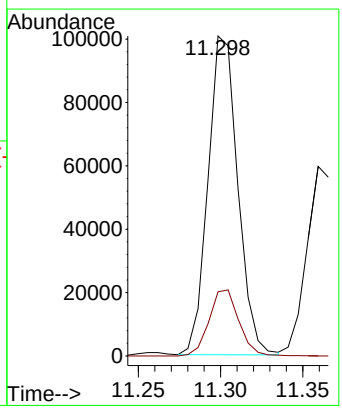
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

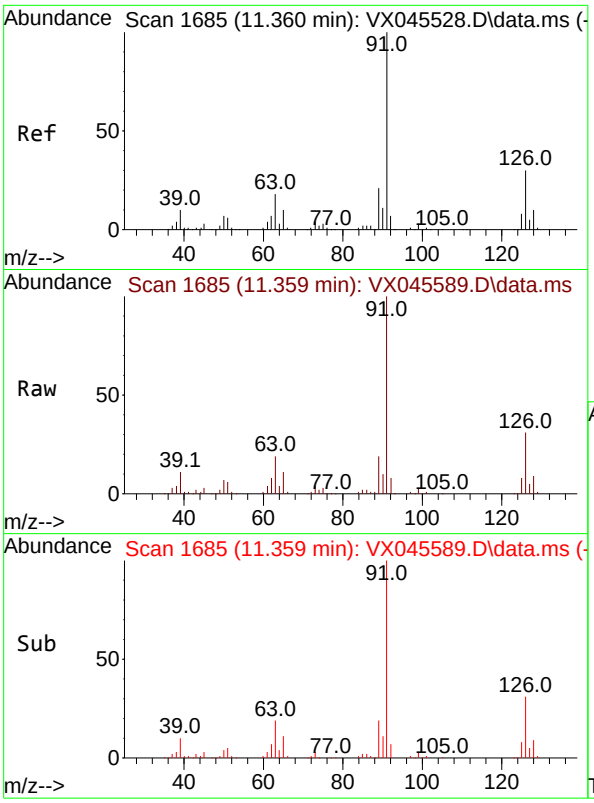


#78
n-propylbenzene
Concen: 20.644 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 91 Resp: 126822

Ion	Ratio	Lower	Upper
91	100		
120	20.8	10.8	32.3

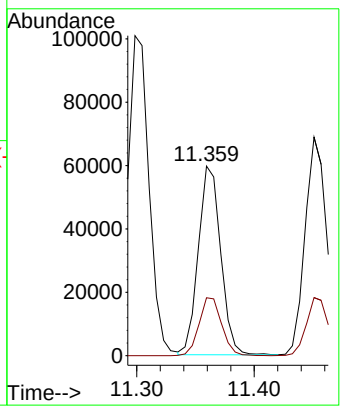




#79
2-Chlorotoluene
Concen: 20.058 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 91 Resp: 7877

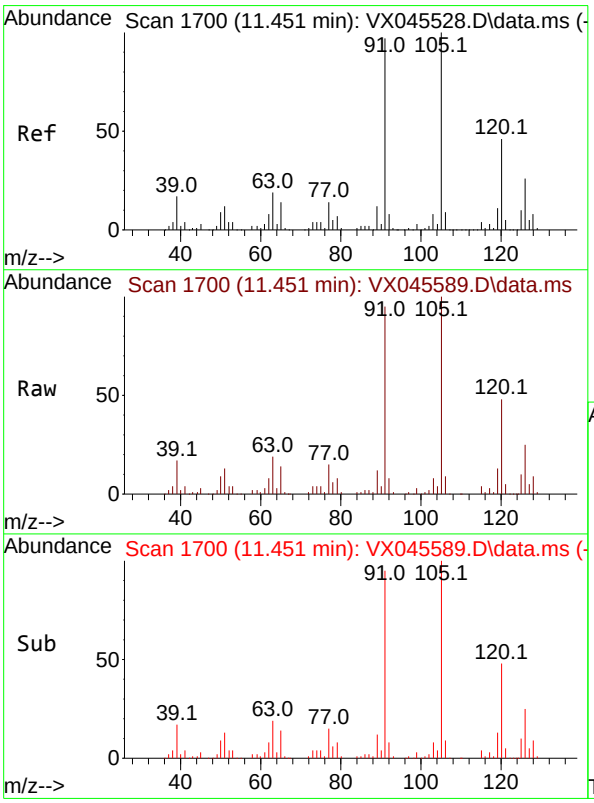
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.8	47.4



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

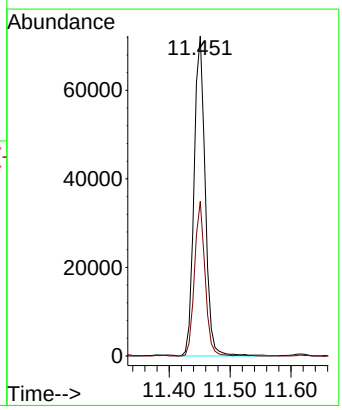
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

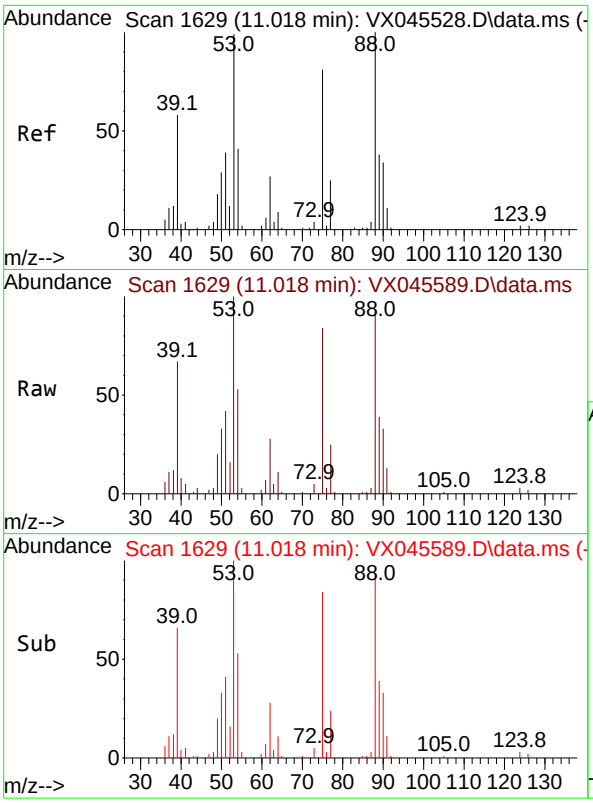


#80
1,3,5-Trimethylbenzene
Concen: 20.856 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:105 Resp: 91980

Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 18.366 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

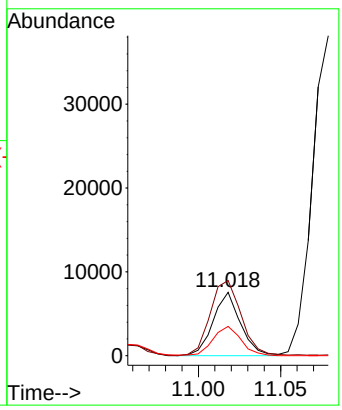
Tgt Ion: 75 Resp: 878

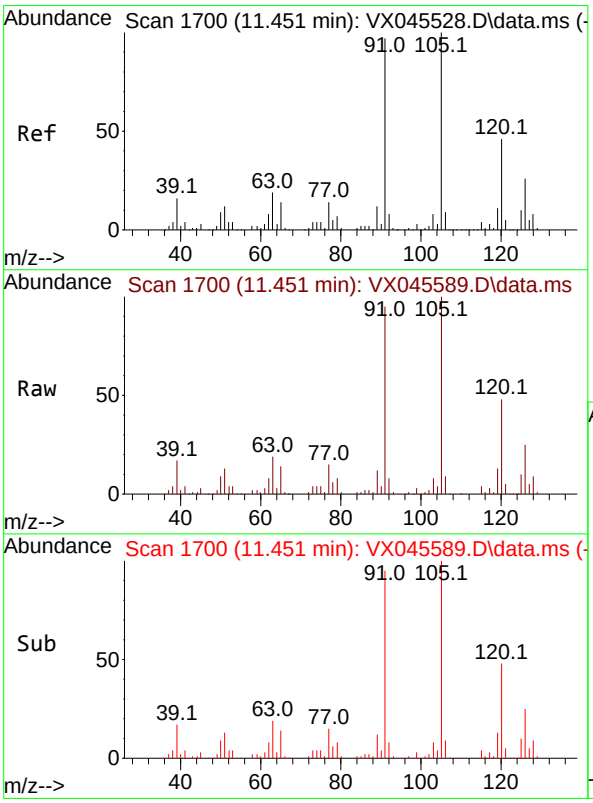
Ion	Ratio	Lower	Upper
75	100		
53	135.6	101.8	152.6
89	46.6	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

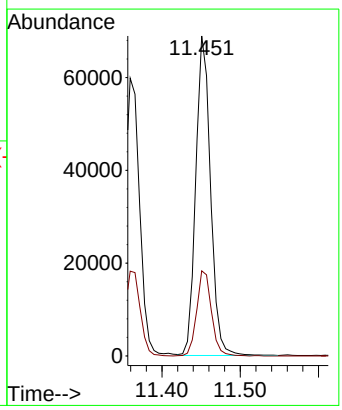


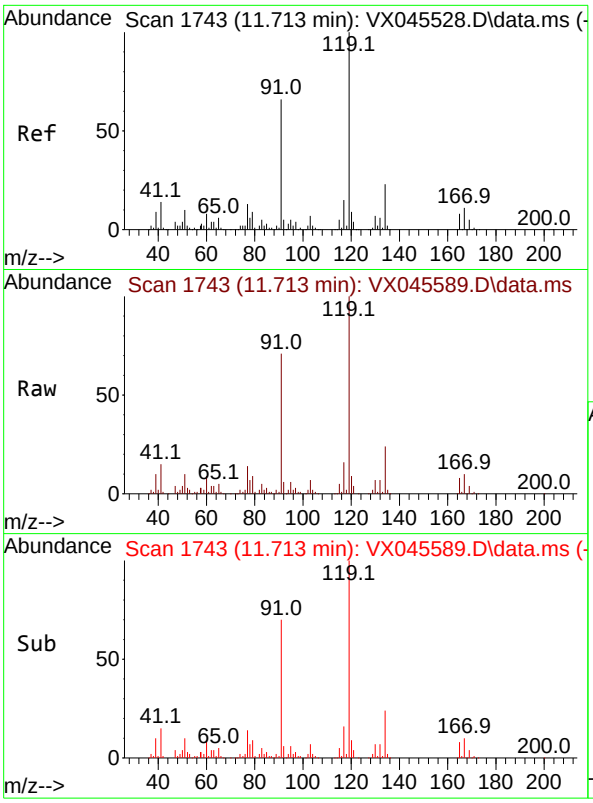


#82
4-Chlorotoluene
Concen: 20.657 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 91 Resp: 90453

Ion	Ratio	Lower	Upper
91	100		
126	26.6	13.3	39.9

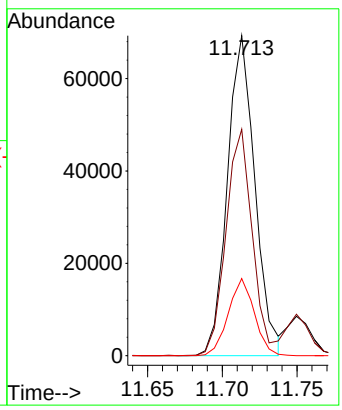




#83
tert-Butylbenzene
Concen: 20.336 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:119 Resp: 8879

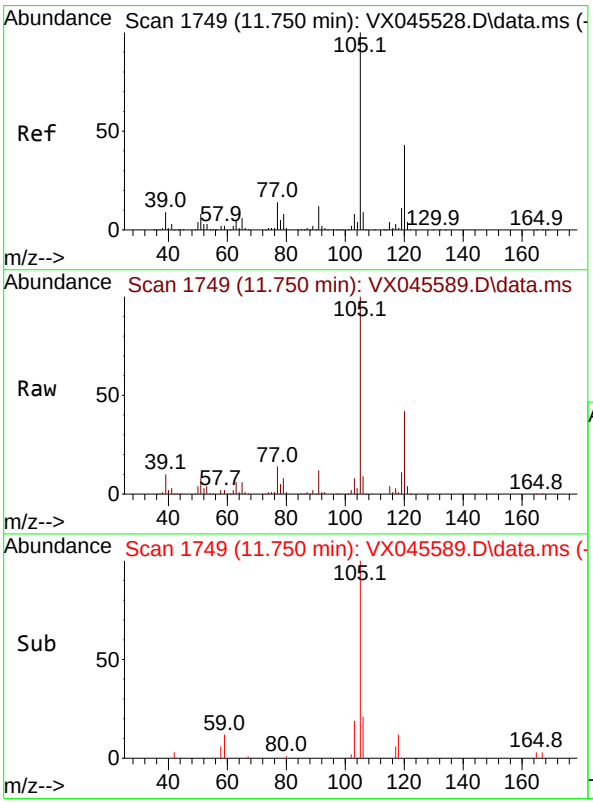
Ion	Ratio	Lower	Upper
119	100		
91	68.3	32.4	97.2
134	22.9	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations APPROVED

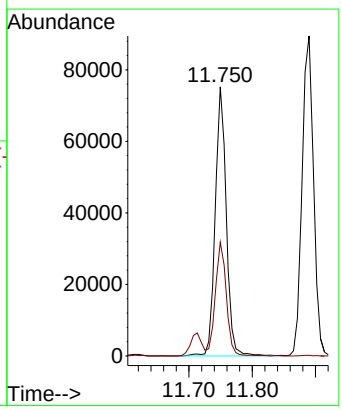
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

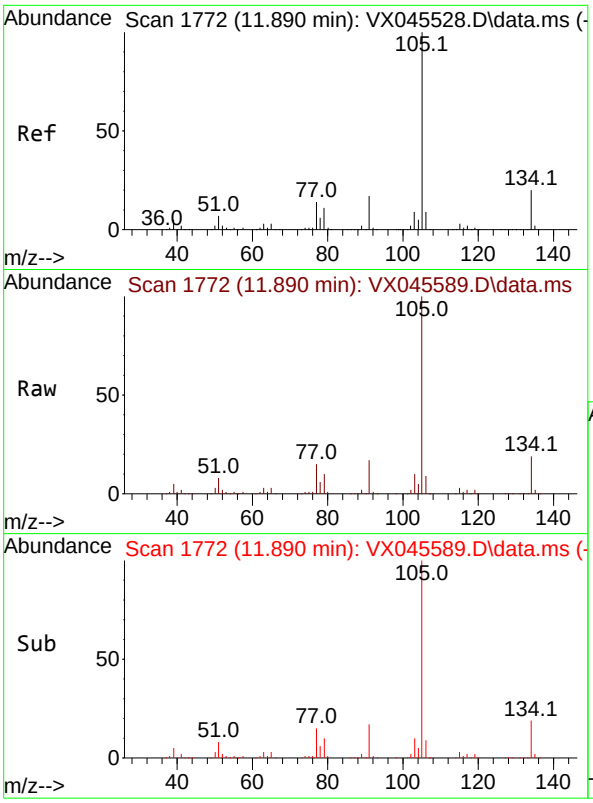


#84
1,2,4-Trimethylbenzene
Concen: 20.614 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:105 Resp: 91248

Ion	Ratio	Lower	Upper
105	100		
120	42.1	21.4	64.3

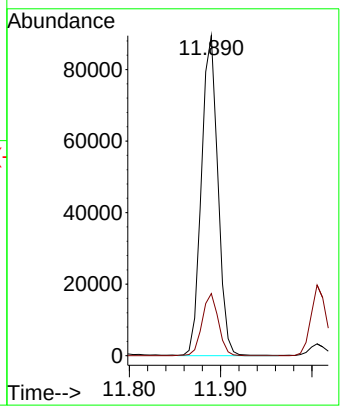




#85
sec-Butylbenzene
Concen: 20.849 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:105 Resp: 11181

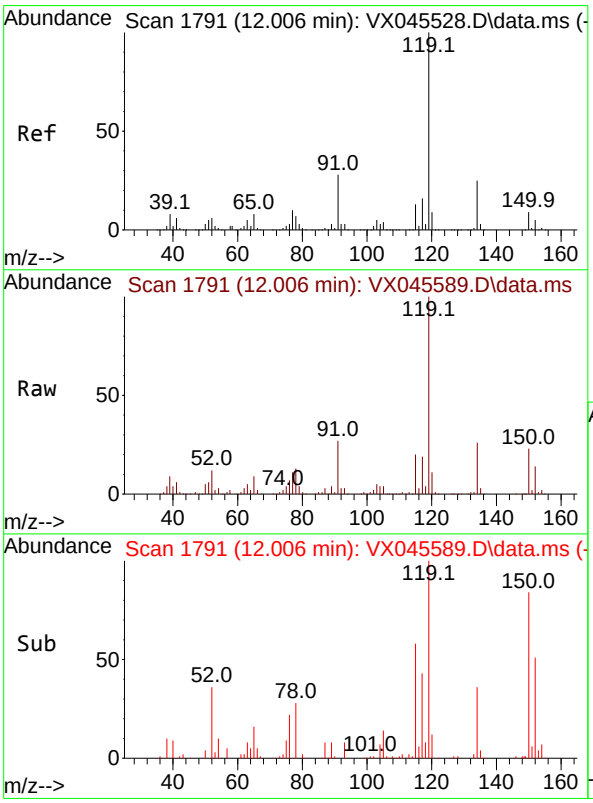
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

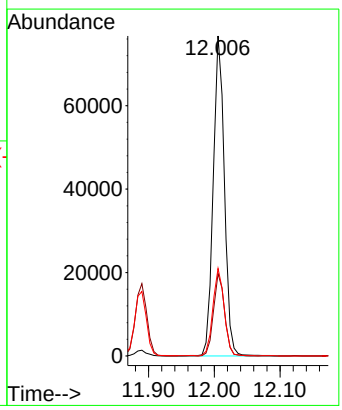
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

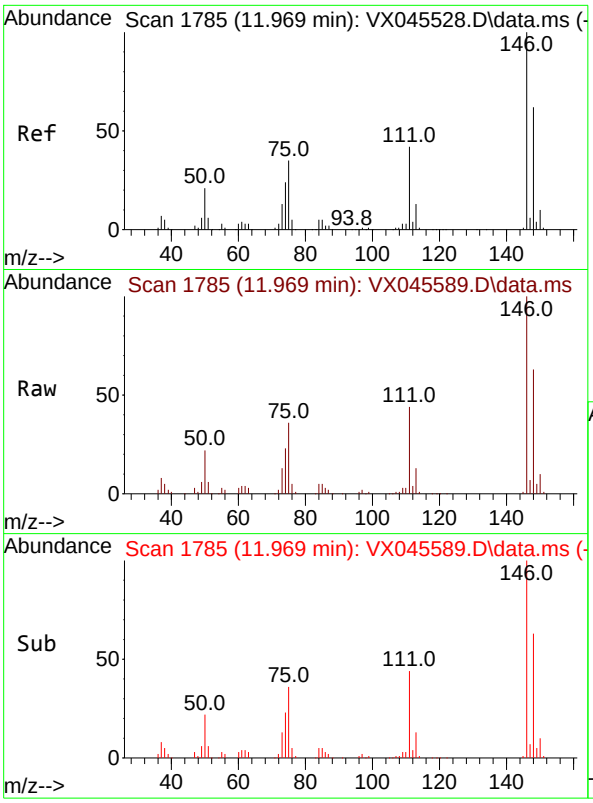


#86
p-Isopropyltoluene
Concen: 20.513 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:119 Resp: 90695

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.6	37.8
91	27.7	13.7	41.1

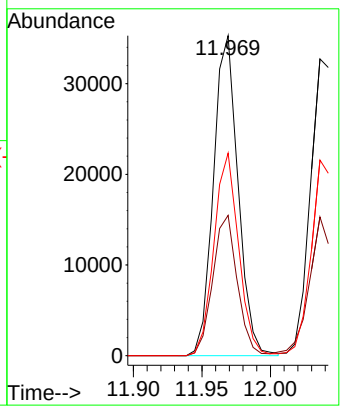




#87
1,3-Dichlorobenzene
Concen: 19.656 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:146 Resp: 4409

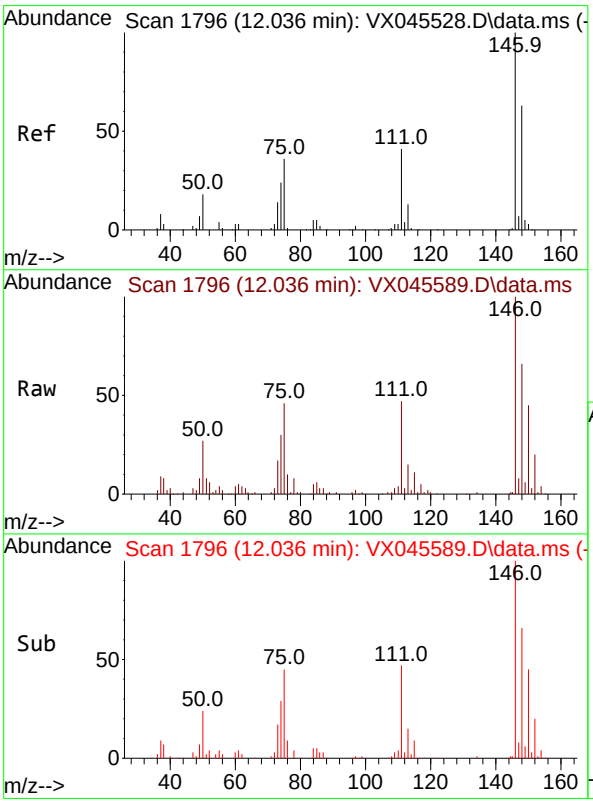
Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.2	66.6
148	63.4	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations APPROVED

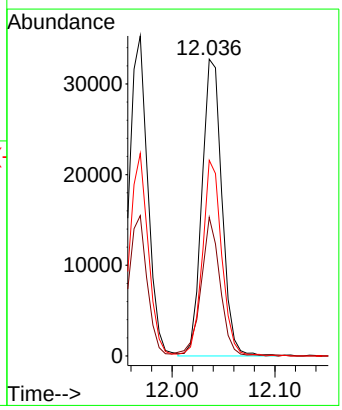
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

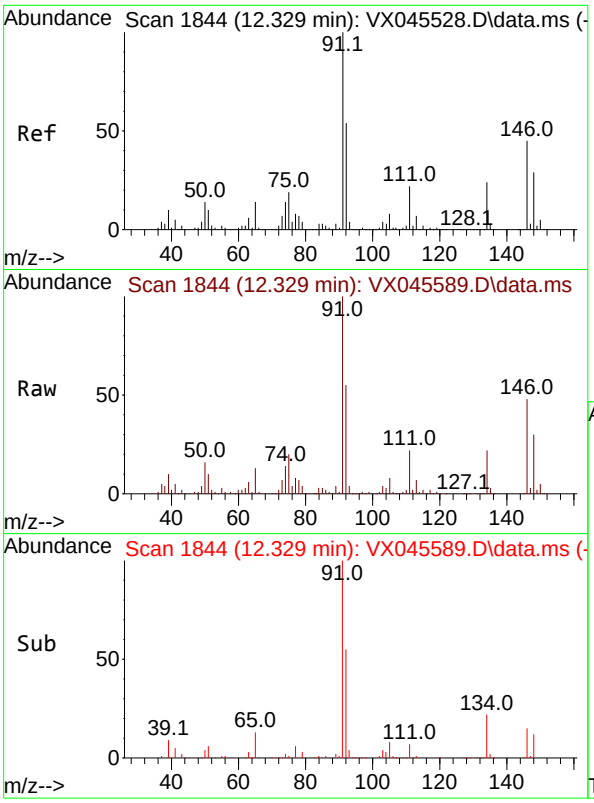


#88
1,4-Dichlorobenzene
Concen: 19.494 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:146 Resp: 44331

Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.9	62.8
148	63.9	31.5	94.5

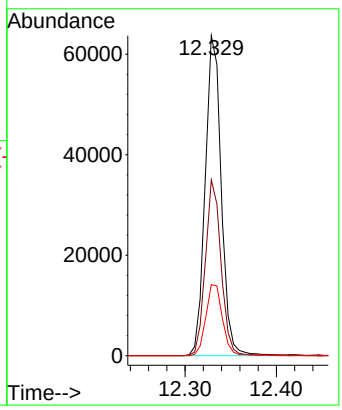




#89
n-Butylbenzene
Concen: 20.250 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 91 Resp: 7763

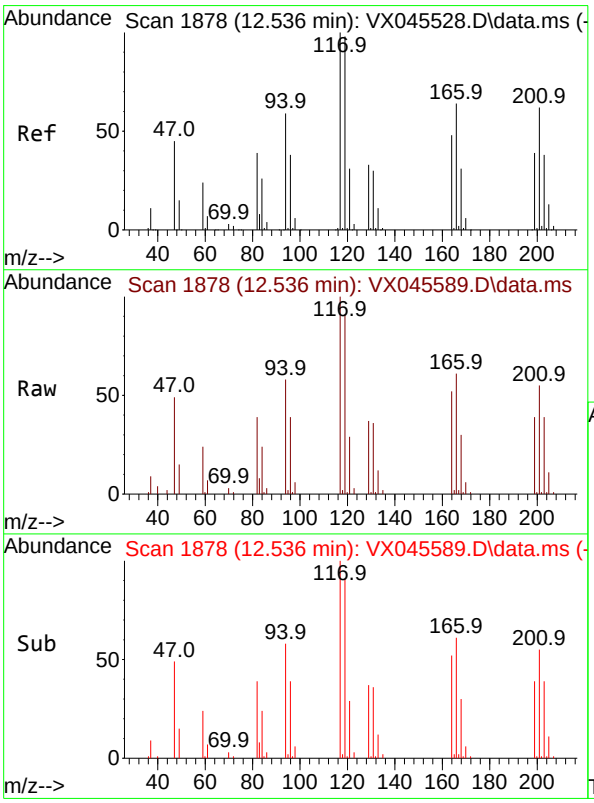
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.6
134	23.1	11.9	35.7



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

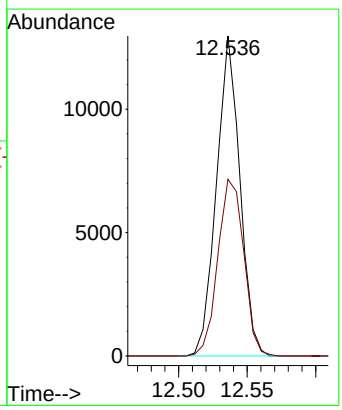
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

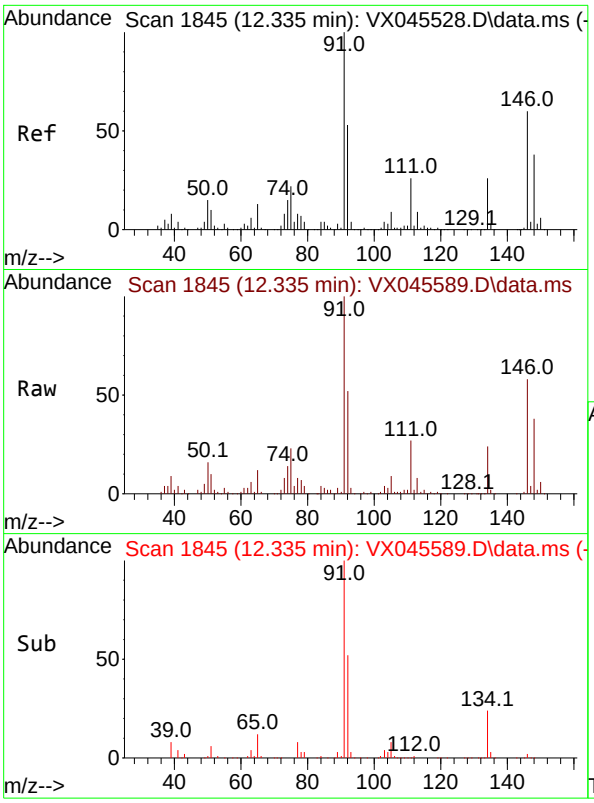


#90
Hexachloroethane
Concen: 20.229 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:117 Resp: 15371

Ion	Ratio	Lower	Upper
117	100		
201	61.3	31.2	93.6

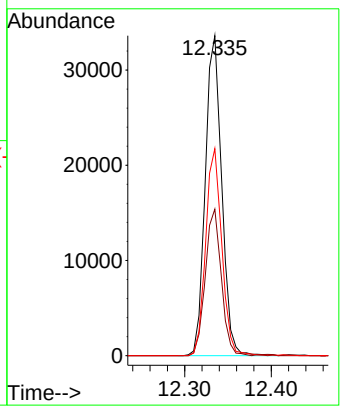




#91
1,2-Dichlorobenzene
Concen: 19.875 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:146 Resp: 4432

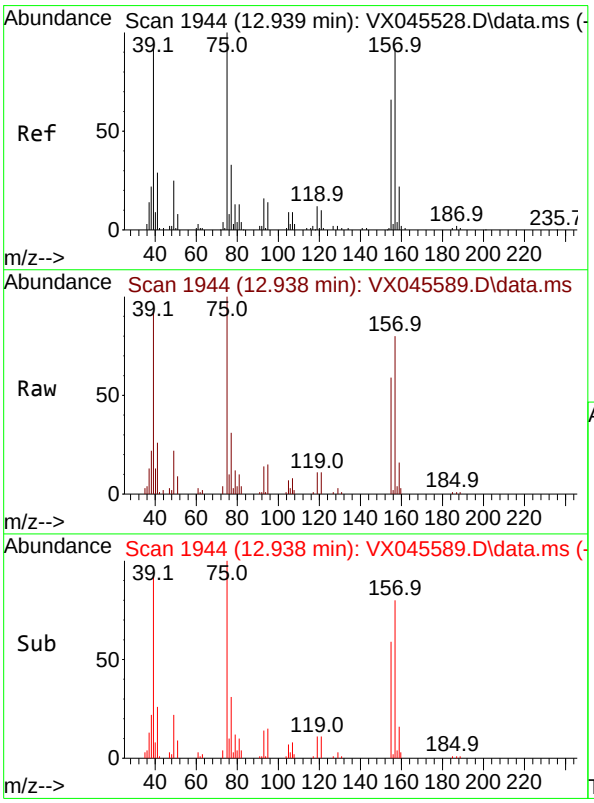
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.9	68.8
148	63.5	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations
APPROVED

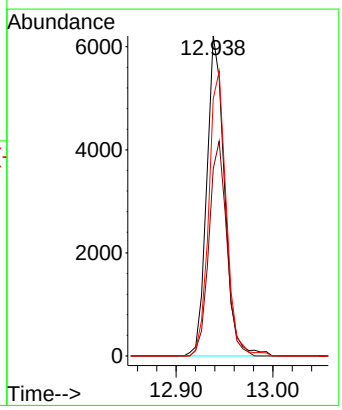
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

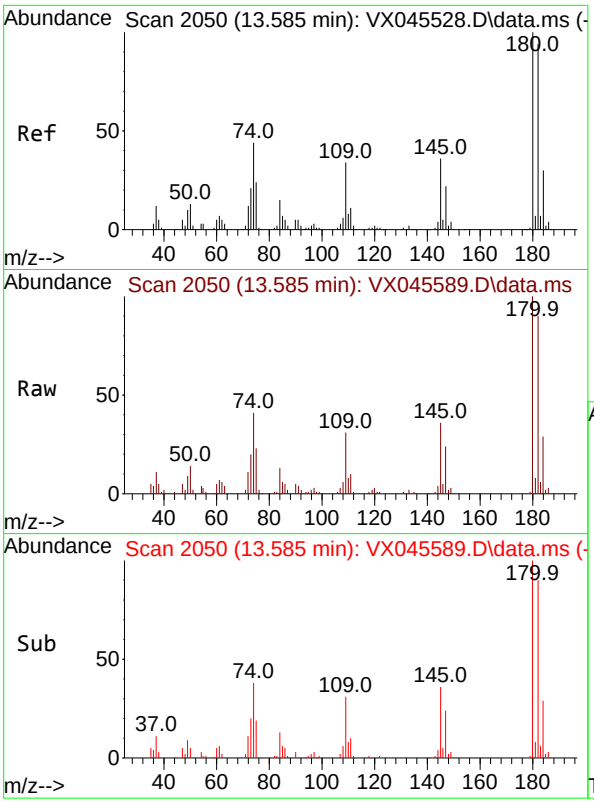


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.243 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion: 75 Resp: 7932

Ion	Ratio	Lower	Upper
75	100		
155	66.9	34.9	104.7
157	87.5	44.9	134.7

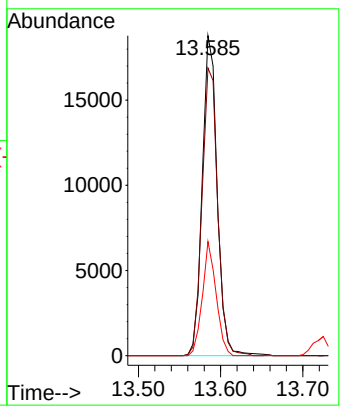




#93
1,2,4-Trichlorobenzene
Concen: 19.059 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:180 Resp: 2366

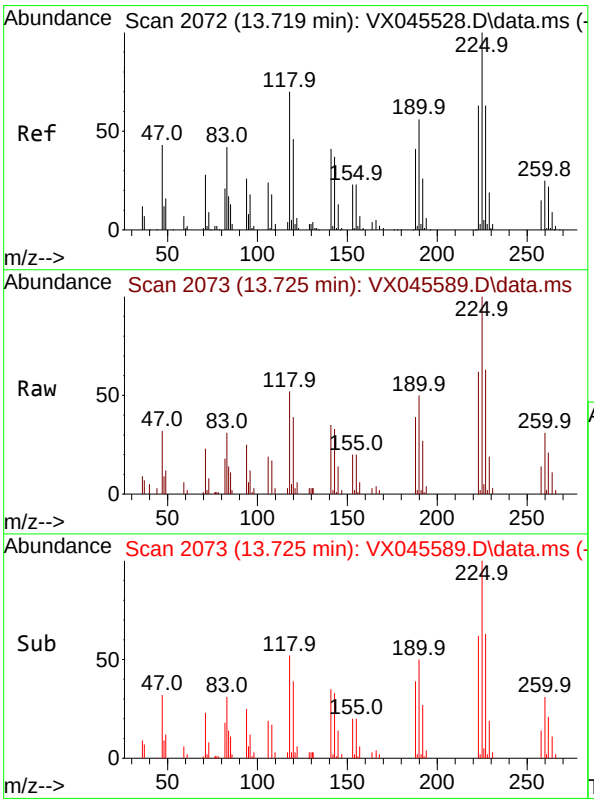
Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.6
145	32.8	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations APPROVED

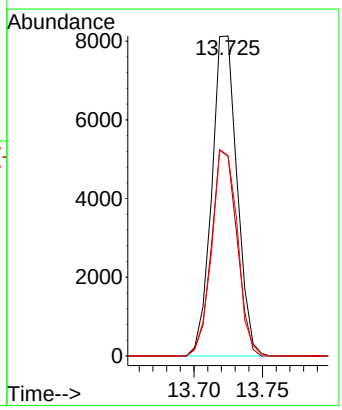
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

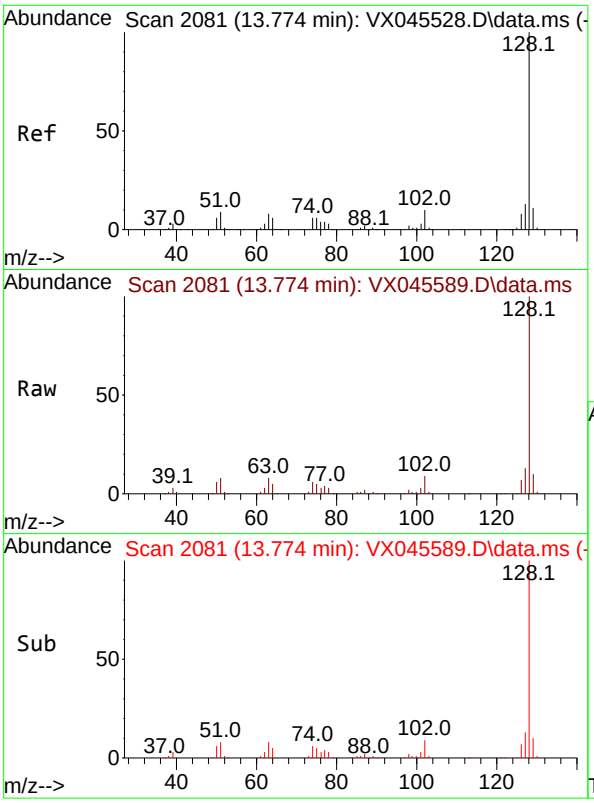


#94
Hexachlorobutadiene
Concen: 19.457 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:225 Resp: 10408

Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.1	93.3
227	65.7	32.2	96.6





#95
Naphthalene
Concen: 18.950 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

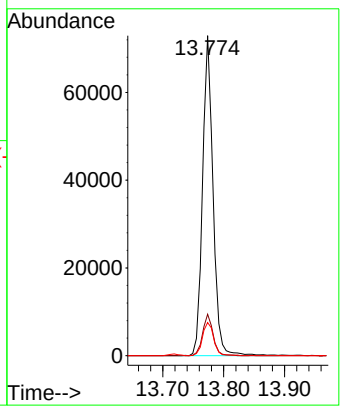
Tgt Ion:128 Resp: 8754

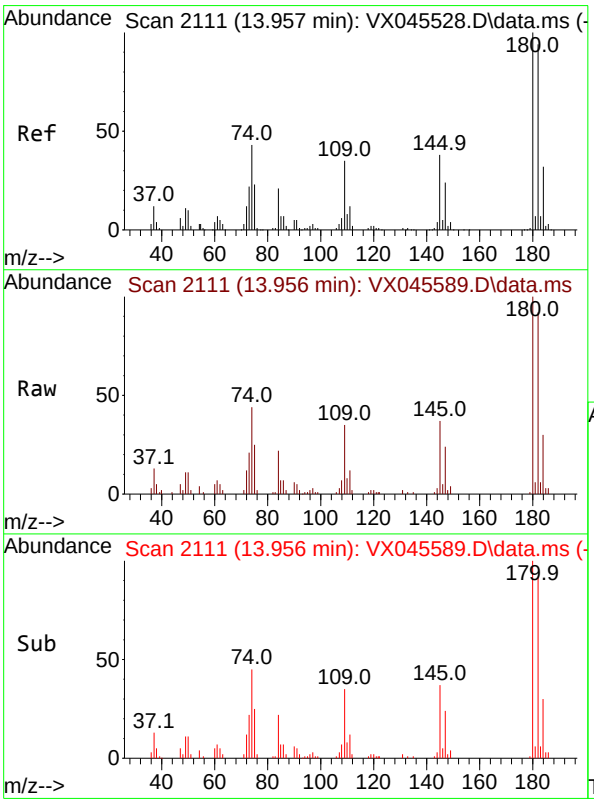
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

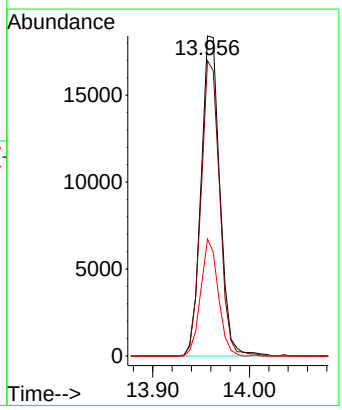




#96
1,2,3-Trichlorobenzene
Concen: 19.132 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045589.D
Acq: 04 Apr 2025 11:14

Tgt Ion:180 Resp: 24870

Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.3	141.8
145	34.2	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:	04/02/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/02/25
Client Sample ID:	MW-18B-56-040225MS	SDG No.:	Q1711
Lab Sample ID:	Q1711-02MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045591.D	10		04/04/25 12:04	VX040425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	530		2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	500		2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	510		2.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1000		1.90	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	510		2.00	10.0	ug/L
71-43-2	Benzene	500		1.50	10.0	ug/L
107-06-2	1,2-Dichloroethane	510		2.20	10.0	ug/L
79-01-6	Trichloroethene	740		0.93	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	510		2.10	10.0	ug/L
127-18-4	Tetrachloroethene	460		2.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	84900	5.55			
540-36-3	1,4-Difluorobenzene	154000	6.757			
3114-55-4	Chlorobenzene-d5	137000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	64900	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\VX040425\
Data File : VX045591.D
Acq On : 04 Apr 2025 12:04
Operator : JC/MD
Sample : Q1711-02MS 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 04 23:11:21 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 :
MW-18B-56-040225MS

Manual Integrations APPROVED
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	84872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	154383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	136696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82614	53.228	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.460%			
35) Dibromofluoromethane	5.379	113	55683	50.836	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.647	98	194235	50.804	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.600%			
62) 4-Bromofluorobenzene	11.079	95	73975	53.120	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	67133	52.891	ug/l	98
3) Chloromethane	1.301	50	67765	51.969	ug/l	97
4) Vinyl Chloride	1.374	62	63807	53.470	ug/l	98
5) Bromomethane	1.593	94	28156	49.761	ug/l	99
6) Chloroethane	1.660	64	32023	50.579	ug/l	100
7) Trichlorofluoromethane	1.868	101	87557	49.204	ug/l	97
8) Diethyl Ether	2.130	74	30881	51.690	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	51983	49.853	ug/l	98
10) Methyl Iodide	2.441	142	65918	50.682	ug/l	98
11) Tert butyl alcohol	2.989	59	54825	262.838	ug/l	100
12) 1,1-Dichloroethene	2.307	96	51450	50.496	ug/l	99
13) Acrolein	2.233	56	86595	301.472	ug/l	99
14) Allyl chloride	2.654	41	101301	52.400	ug/l	99
15) Acrylonitrile	3.063	53	169829	257.927	ug/l	100
16) Acetone	2.386	43	165210	259.222	ug/l	99
17) Carbon Disulfide	2.502	76	123194	48.955	ug/l	99
18) Methyl Acetate	2.703	43	78724	53.650	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	187482	52.601	ug/l	99
20) Methylene Chloride	2.782	84	60251	50.497	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	52111	50.062	ug/l	99
22) Diisopropyl ether	3.764	45	197510	51.865	ug/l	97
23) Vinyl Acetate	3.721	43	901097	273.871	ug/l	99
24) 1,1-Dichloroethane	3.605	63	110230	51.183	ug/l	100
25) 2-Butanone	4.556	43	246533	264.259	ug/l	99
26) 2,2-Dichloropropane	4.471	77	78555	56.455	ug/l	92
27) cis-1,2-Dichloroethene	4.483	96	133119	104.968	ug/l	96
28) Bromochloromethane	4.891	49	52993	50.918	ug/l	97
29) Tetrahydrofuran	5.001	42	162118	268.033	ug/l	99
30) Chloroform	5.087	83	113174	51.070	ug/l	97
31) Cyclohexane	5.465	56	93472	49.094	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	95681	51.026	ug/l	99
36) 1,1-Dichloropropene	5.684	75	73004	49.362	ug/l	98
37) Ethyl Acetate	4.715	43	92666	49.720	ug/l	99
38) Carbon Tetrachloride	5.666	117	80883	50.603	ug/l	95
39) Methylcyclohexane	7.379	83	88776	48.969	ug/l	97
40) Benzene	6.031	78	223833	49.555	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045591.D
Acq On : 04 Apr 2025 12:04
Operator : JC/MD
Sample : Q1711-02MS 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 04 23:11:21 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 :
MW-18B-56-040225MS

Manual Integrations APPROVED
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	52898	53.792	ug/l		99
42) 1,2-Dichloroethane	6.080	62	95516	51.199	ug/l		100
43) Isopropyl Acetate	6.342	43	147747	52.304	ug/l		99
44) Trichloroethene	7.117	130	79074	73.655	ug/l		97
45) 1,2-Dichloropropane	7.428	63	56617	50.237	ug/l		98
46) Dibromomethane	7.574	93	43998	50.857	ug/l		98
47) Bromodichloromethane	7.818	83	86485	50.058	ug/l		97
48) Methyl methacrylate	7.690	41	77910	53.418	ug/l		98
49) 1,4-Dioxane	7.659	88	27082	1026.301	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	500710	267.387	ug/l		100
52) Toluene	8.714	92	134349	49.155	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	78488	47.367	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	87327	53.787	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	55207	50.689	ug/l		96
56) Ethyl methacrylate	9.116	69	91670	54.386	ug/l		99
57) 1,3-Dichloropropane	9.305	76	96618	50.944	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	39463	46.282	ug/l		100
59) 2-Hexanone	9.427	43	373976	269.685	ug/l		99
60) Dibromochloromethane	9.519	129	62616	52.736	ug/l		99
61) 1,2-Dibromoethane	9.610	107	57515	52.167	ug/l		97
64) Tetrachloroethene	9.269	164	44500	46.109	ug/l		97
65) Chlorobenzene	10.073	112	145232	49.720	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	50931	50.223	ug/l		100
67) Ethyl Benzene	10.189	91	264983	50.652	ug/l		100
68) m/p-Xylenes	10.299	106	193193	101.535	ug/l		100
69) o-Xylene	10.640	106	95904	51.166	ug/l		98
70) Styrene	10.653	104	163226	52.762	ug/l		99
71) Bromoform	10.799	173	40448	53.418	ug/l	#	97
73) Isopropylbenzene	10.957	105	251863	48.431	ug/l		100
74) N-amyl acetate	10.842	43	130118	52.306	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89186	48.819	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	76754m	48.466	ug/l		
77) Bromobenzene	11.195	156	57978	48.251	ug/l		100
78) n-propylbenzene	11.305	91	295835	49.387	ug/l		100
79) 2-Chlorotoluene	11.360	91	185225	48.369	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	213377	49.619	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	22958	49.201	ug/l		96
82) 4-Chlorotoluene	11.451	91	212300	49.723	ug/l		100
83) tert-Butylbenzene	11.713	119	211417	49.658	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	214201	49.627	ug/l		99
85) sec-Butylbenzene	11.890	105	263221	50.337	ug/l		99
86) p-Isopropyltoluene	12.006	119	215878	50.074	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	105426	48.200	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	106695	48.117	ug/l		99
89) n-Butylbenzene	12.329	91	193978	51.887	ug/l		99
90) Hexachloroethane	12.536	117	37819	51.044	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	105351	48.446	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20401	53.397	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	59595	49.234	ug/l		100
94) Hexachlorobutadiene	13.725	225	25397	48.691	ug/l		98
95) Naphthalene	13.774	128	228969	50.831	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	62422	49.248	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045591.D
Acq On : 04 Apr 2025 12:04
Operator : JC/MD
Sample : Q1711-02MS 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 04 23:11:21 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 :
MW-18B-56-040225MS

Manual Integrations APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

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

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

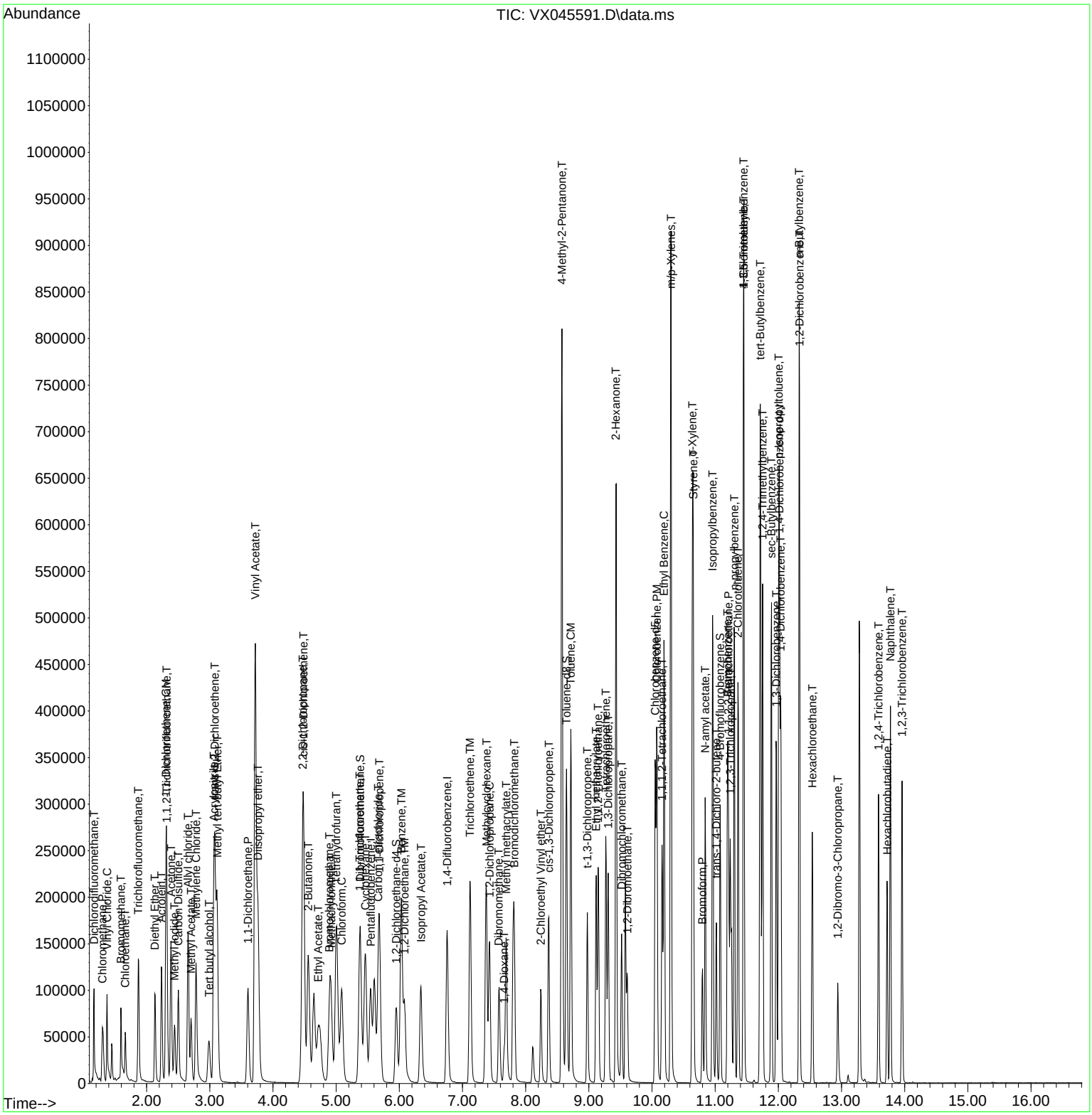
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
Data File : VX045591.D
Acq On : 04 Apr 2025 12:04
Operator : JC/MD
Sample : Q1711-02MS 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

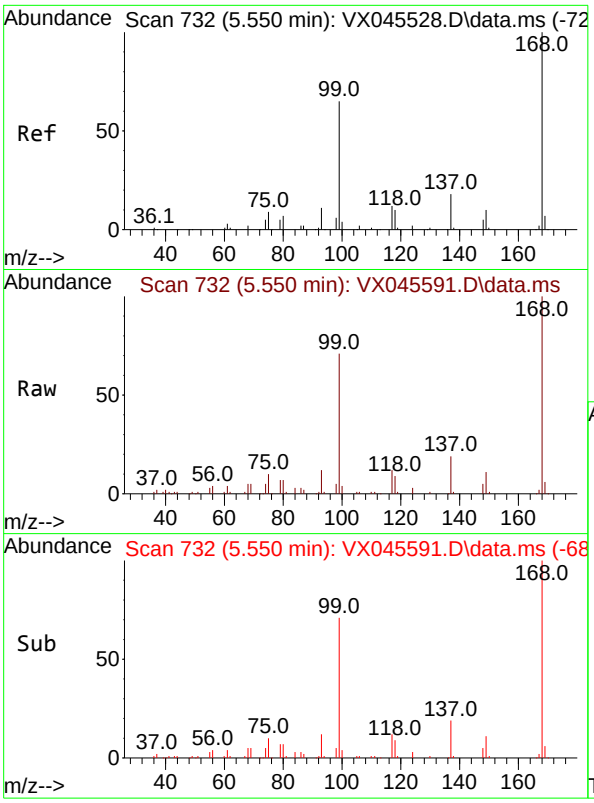
Quant Time: Apr 04 23:11:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

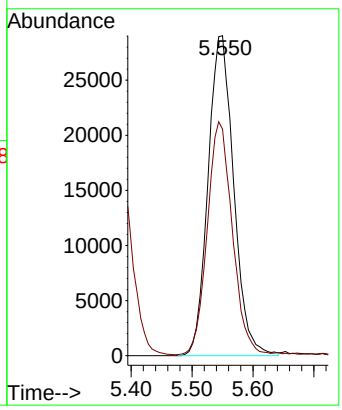




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:168 Resp: 8487

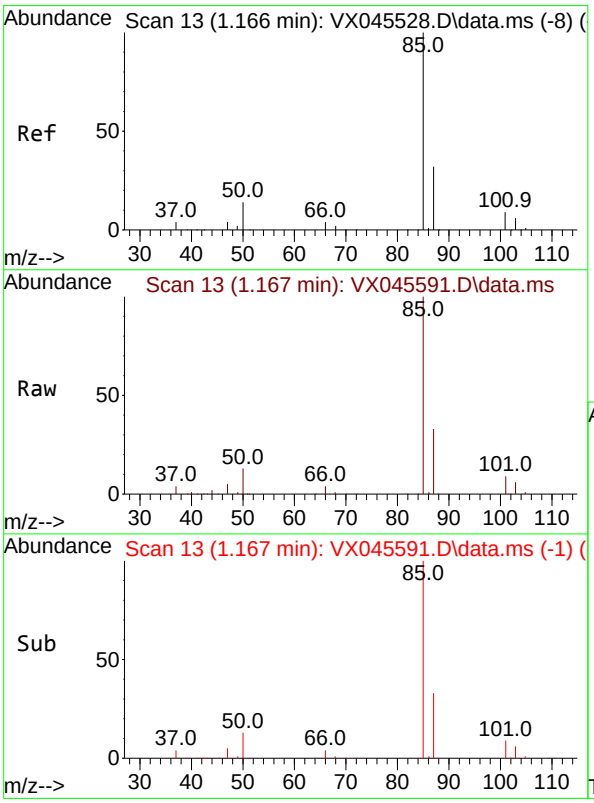
Ion	Ratio	Lower	Upper
168	100		
99	70.5	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

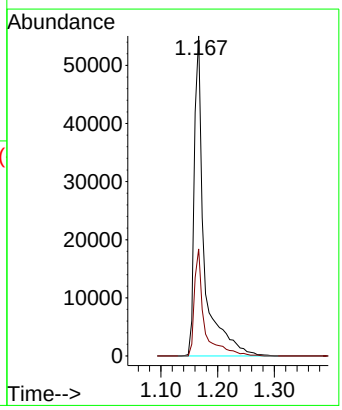
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

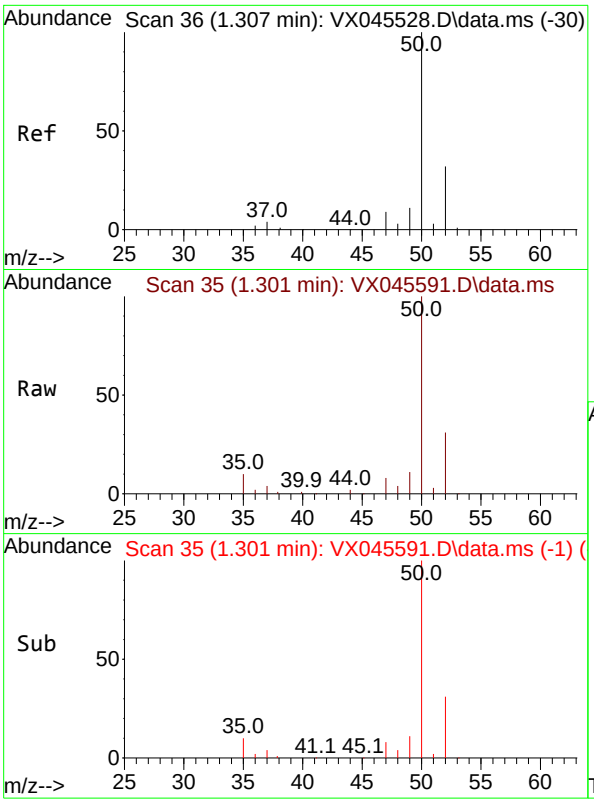


#2
Dichlorodifluoromethane
Concen: 52.891 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 85 Resp: 67133

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.1	48.2

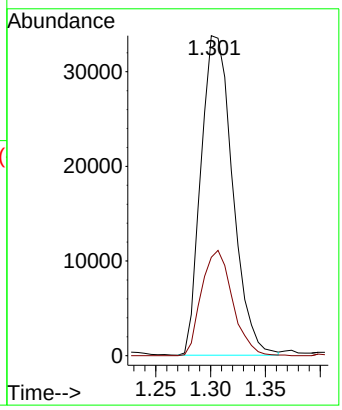




#3
Chloromethane
Concen: 51.969 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 50 Resp: 6776

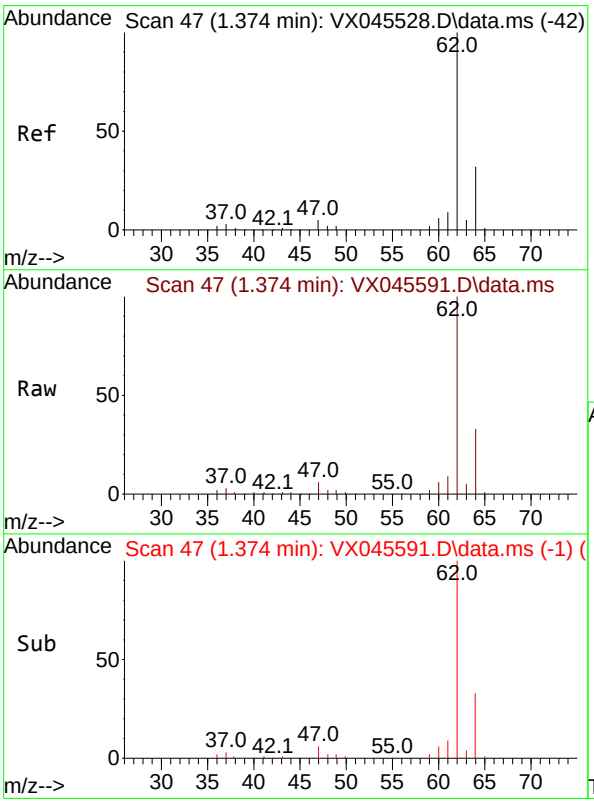
Ion	Ratio	Lower	Upper
50	100		
52	30.8	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

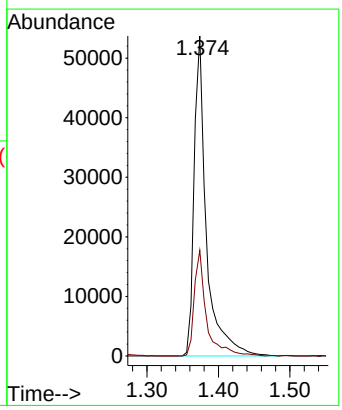
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

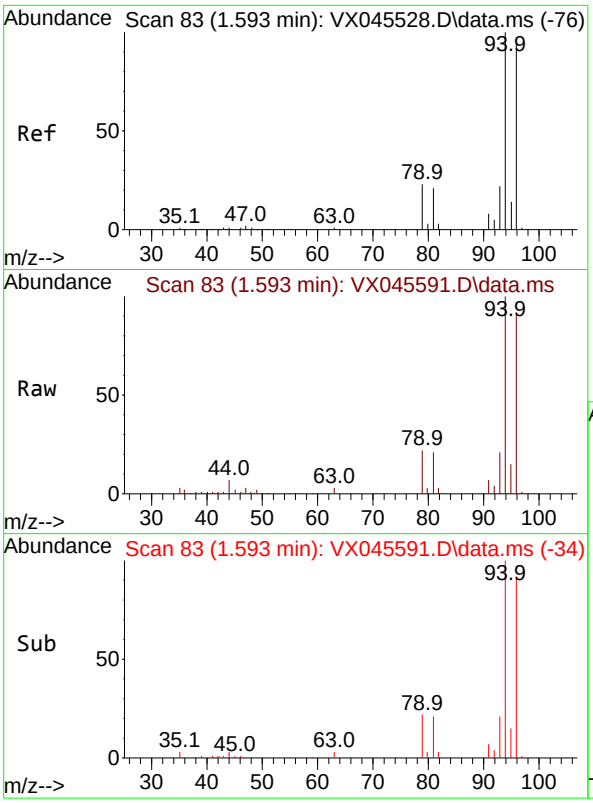


#4
Vinyl Chloride
Concen: 53.470 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 62 Resp: 63807

Ion	Ratio	Lower	Upper
62	100		
64	33.0	25.5	38.3

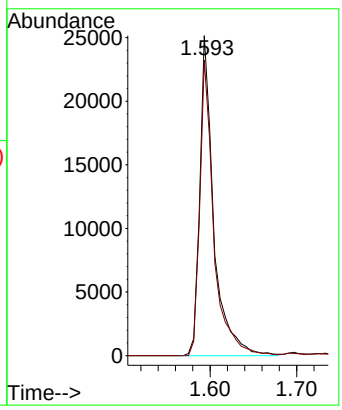




#5
Bromomethane
Concen: 49.761 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 94 Resp: 2815

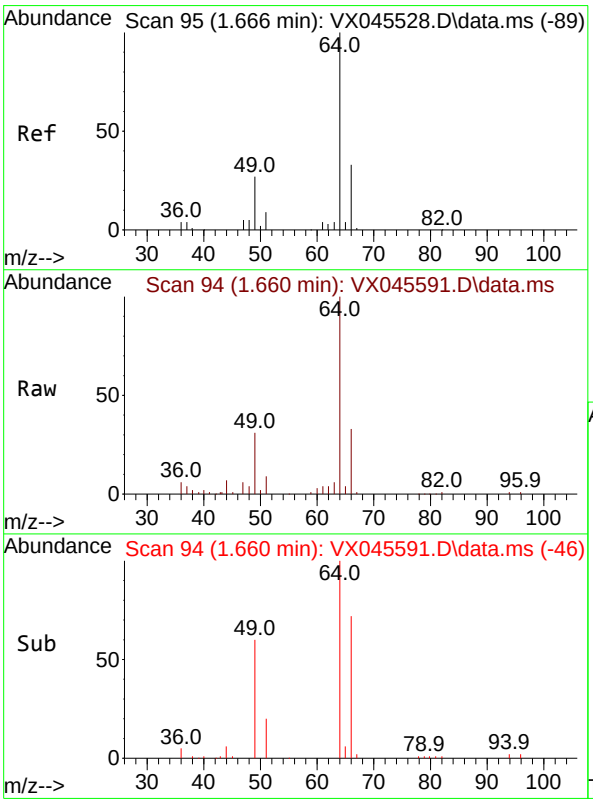
Ion	Ratio	Lower	Upper
94	100		
96	92.3	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

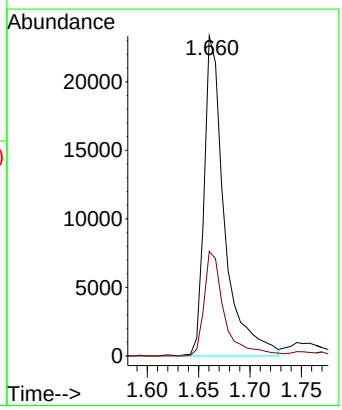
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

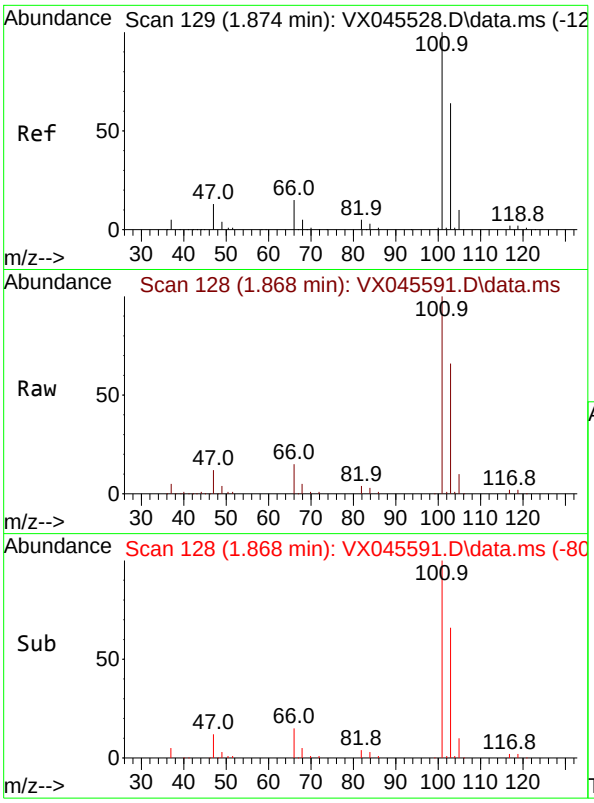


#6
Chloroethane
Concen: 50.579 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 64 Resp: 32023

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.3	39.5





#7
Trichlorofluoromethane
Concen: 49.204 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

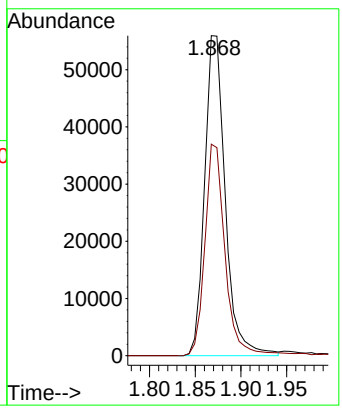
Tgt Ion:101 Resp: 8755

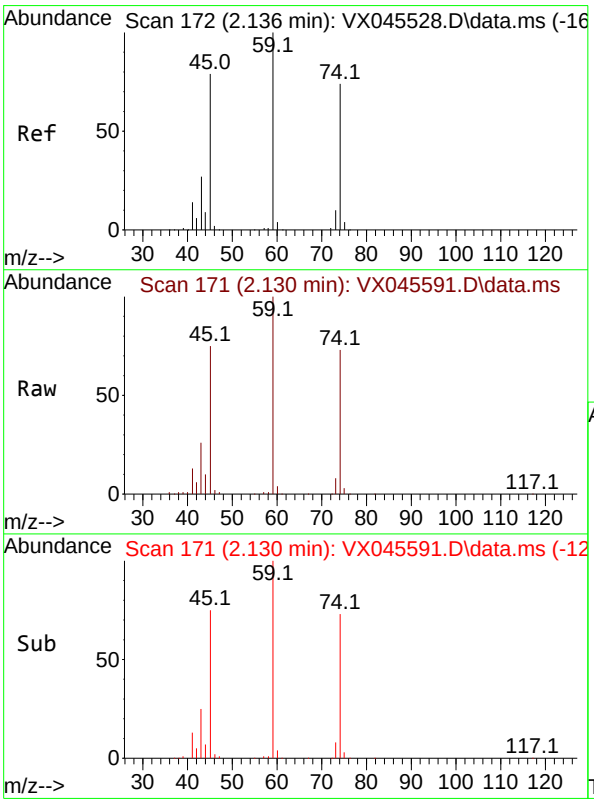
Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.1	76.7

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

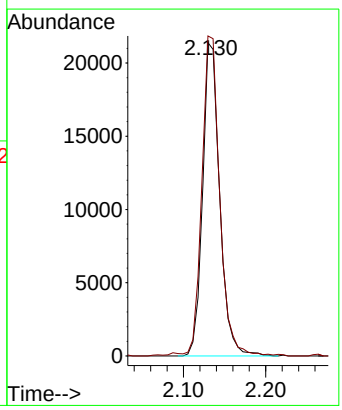


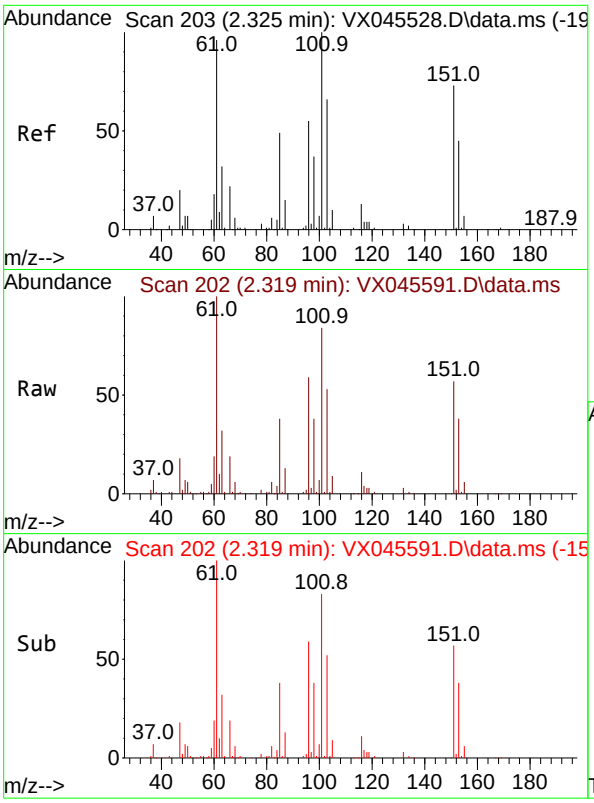


#8
Diethyl Ether
Concen: 51.690 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 74 Resp: 30881

Ion	Ratio	Lower	Upper
74	100		
45	107.4	53.0	159.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.853 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

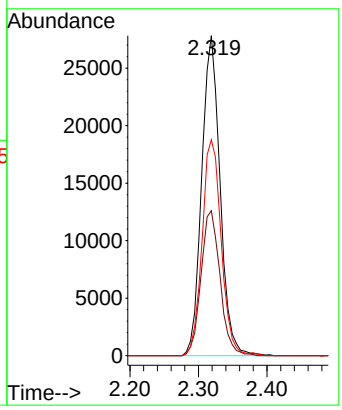
Tgt Ion:101 Resp: 5198

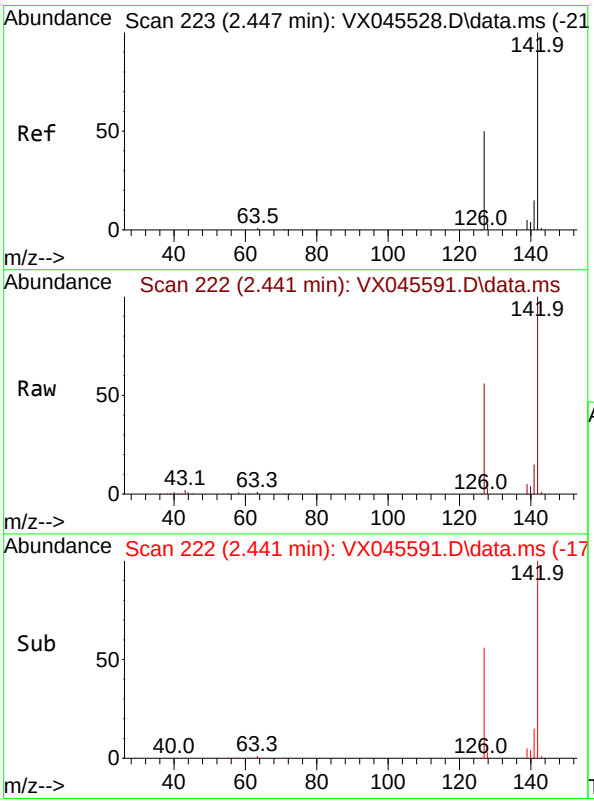
Ion	Ratio	Lower	Upper
101	100		
85	46.9	38.9	58.3
151	70.3	57.5	86.3

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

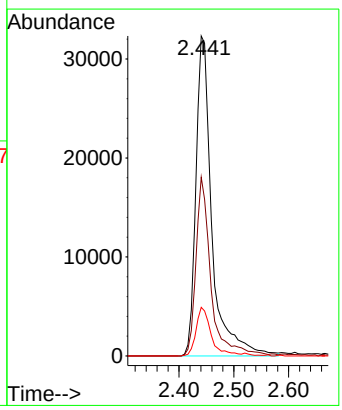


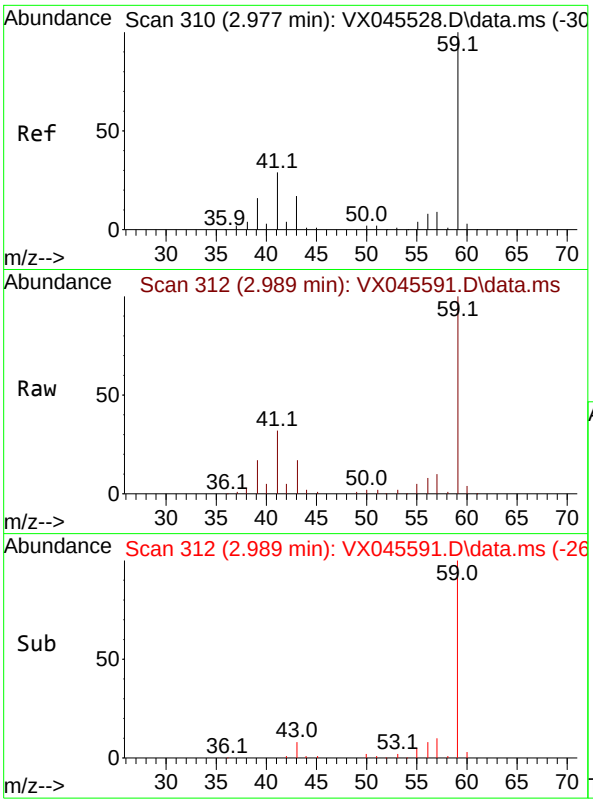


#10
Methyl Iodide
Concen: 50.682 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:142 Resp: 65918

Ion	Ratio	Lower	Upper
142	100		
127	52.1	40.2	60.4
141	14.3	11.7	17.5

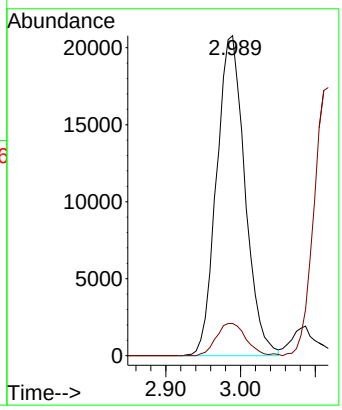




#11
Tert butyl alcohol
Concen: 262.838 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 59 Resp: 5482

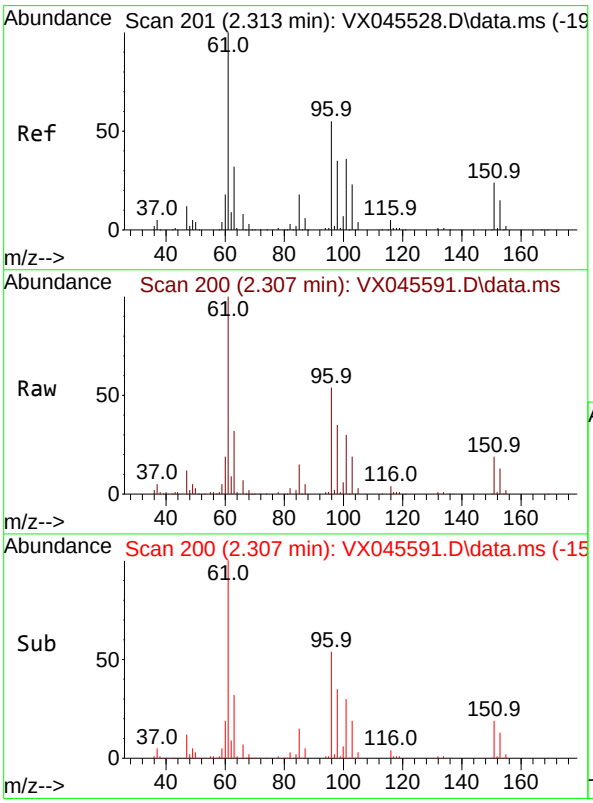
Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

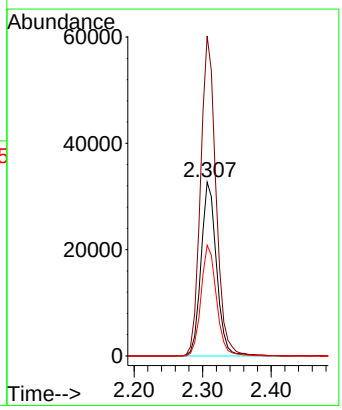
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

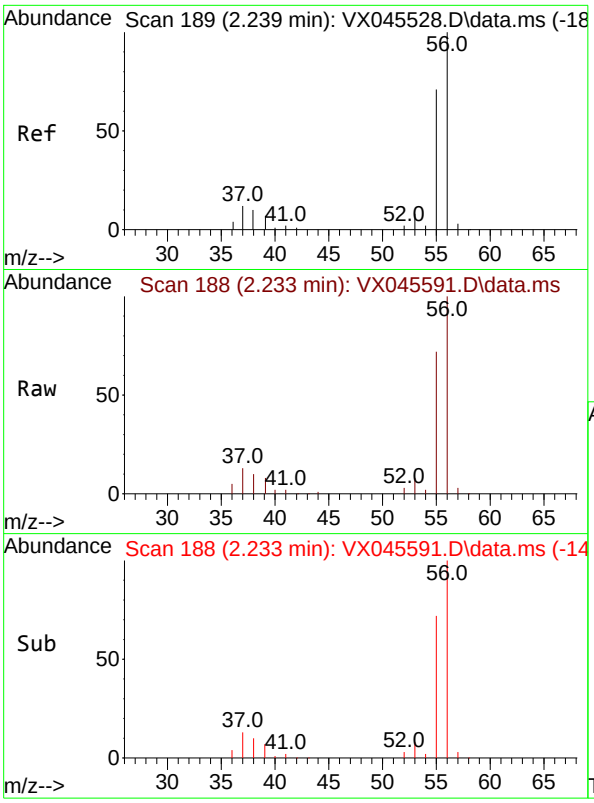


#12
1,1-Dichloroethene
Concen: 50.496 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 96 Resp: 51450

Ion	Ratio	Lower	Upper
96	100		
61	184.0	145.7	218.5
98	63.7	51.6	77.4

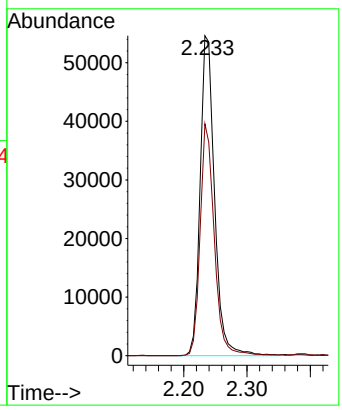




#13
Acrolein
Concen: 301.472 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 56 Resp: 8659

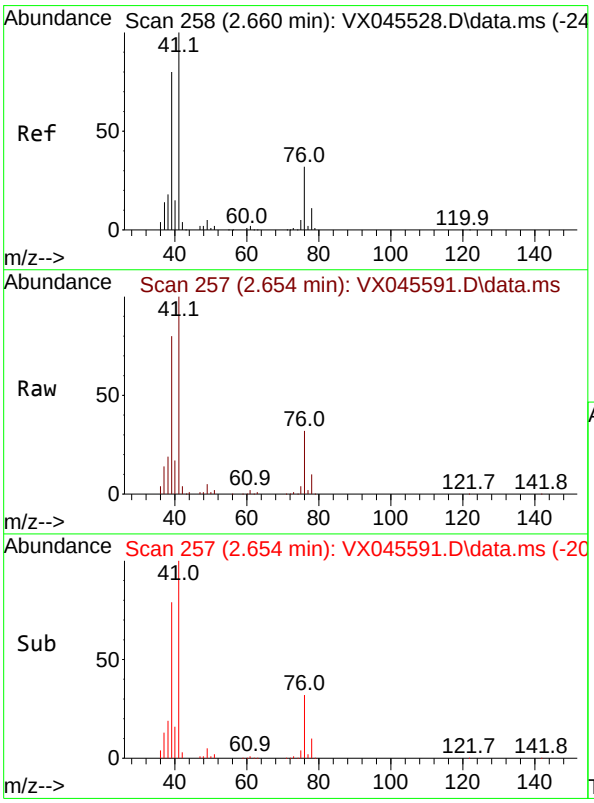
Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

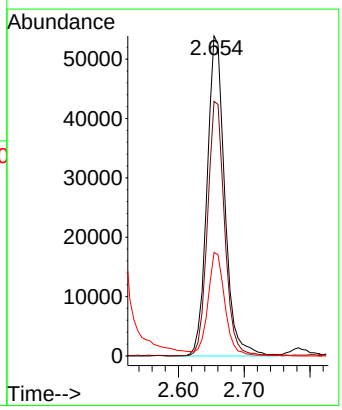
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

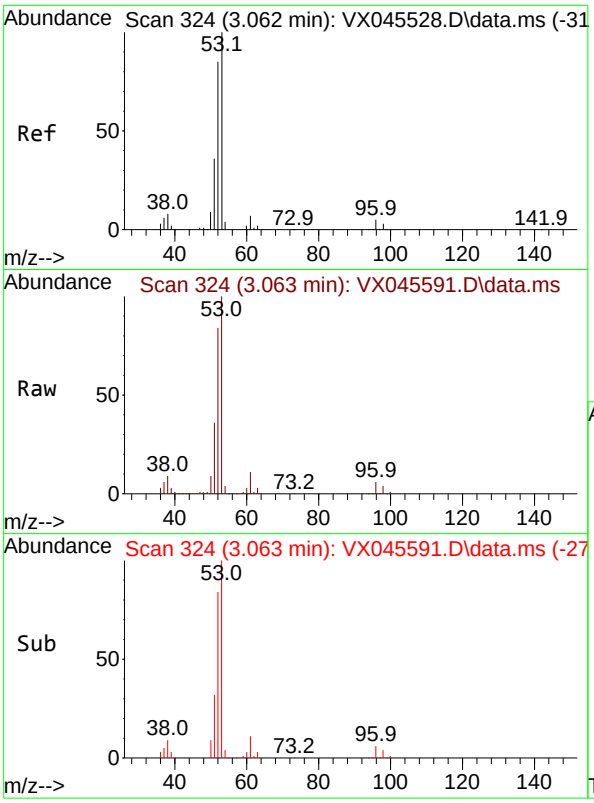


#14
Allyl chloride
Concen: 52.400 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 41 Resp: 101301

Ion	Ratio	Lower	Upper
41	100		
39	76.7	60.2	90.2
76	30.9	24.6	36.8

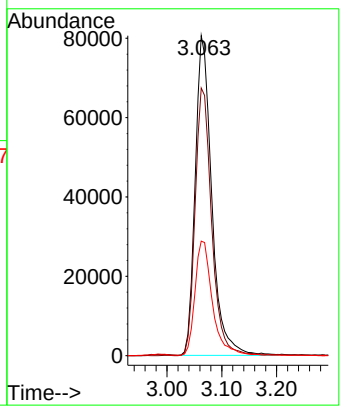




#15
Acrylonitrile
Concen: 257.927 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 53 Resp: 16982

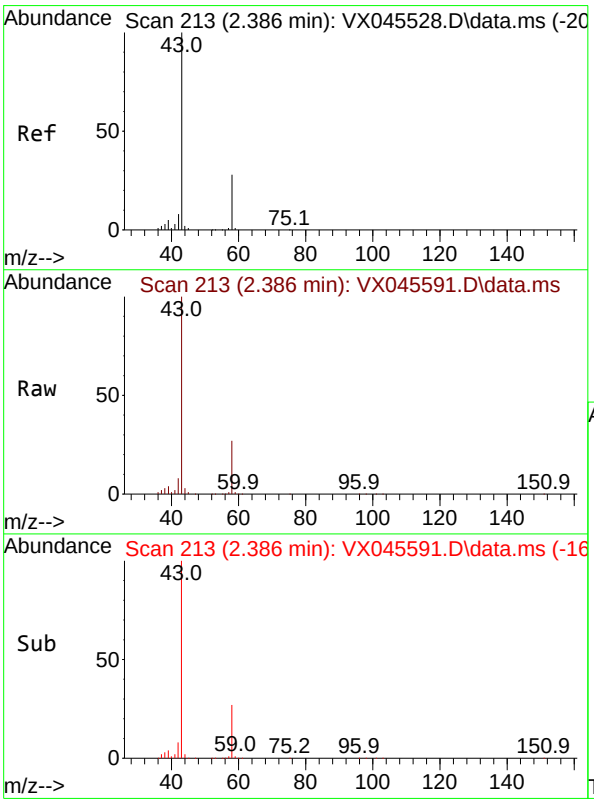
Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.4	101.2
51	37.5	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

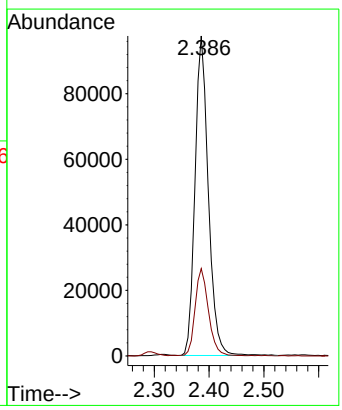
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

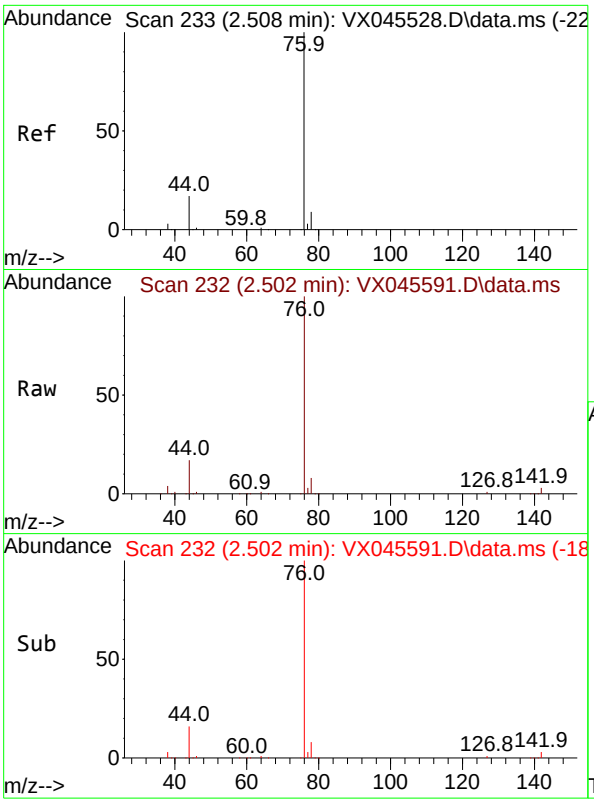


#16
Acetone
Concen: 259.222 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 43 Resp: 165210

Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.3	33.5





#17
Carbon Disulfide
Concen: 48.955 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

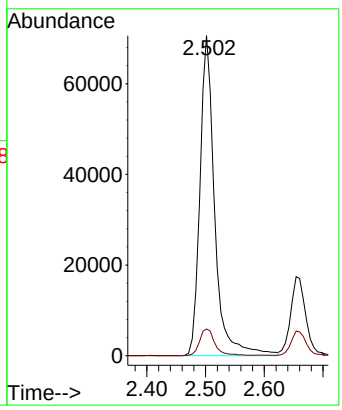
Tgt Ion: 76 Resp: 12319

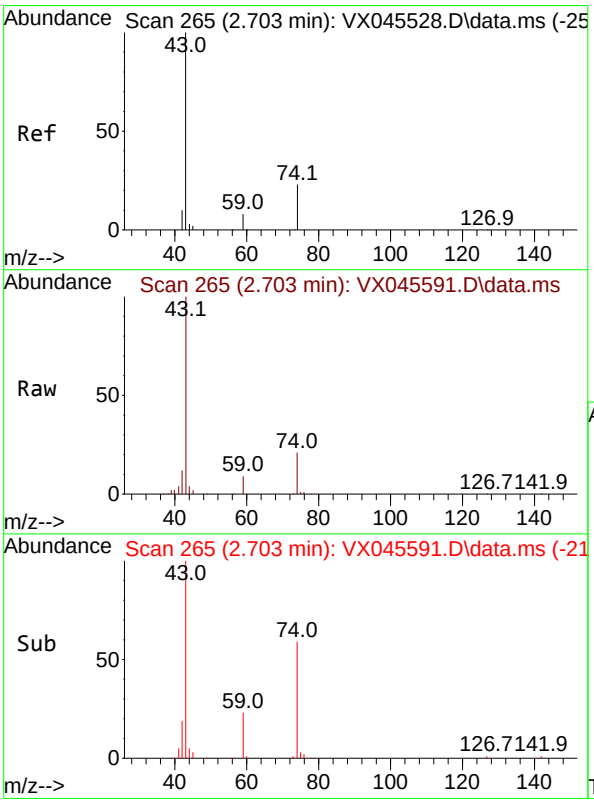
Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

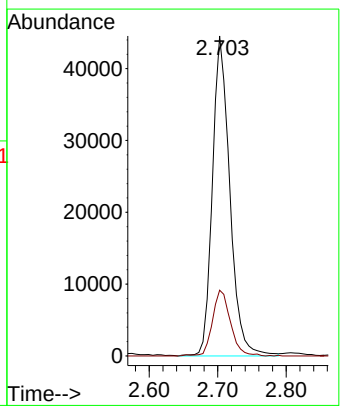


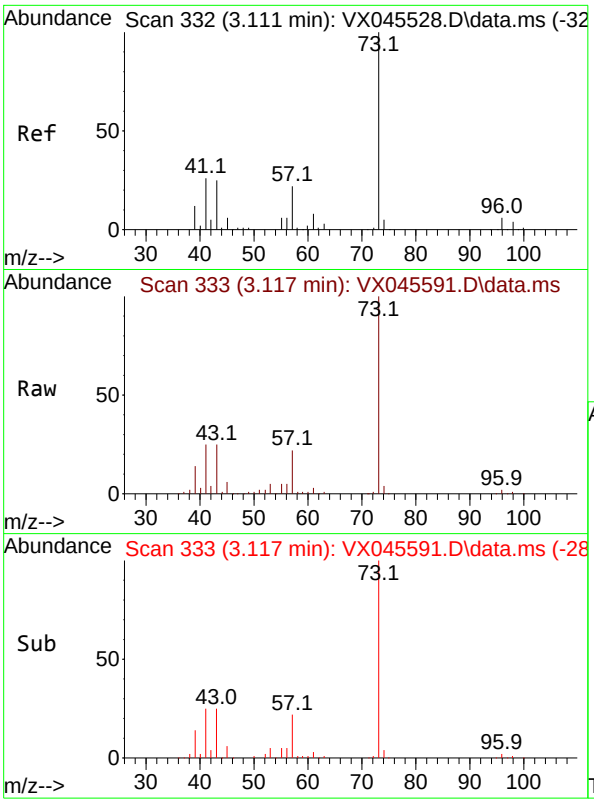


#18
Methyl Acetate
Concen: 53.650 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 43 Resp: 78724

Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.5	26.3

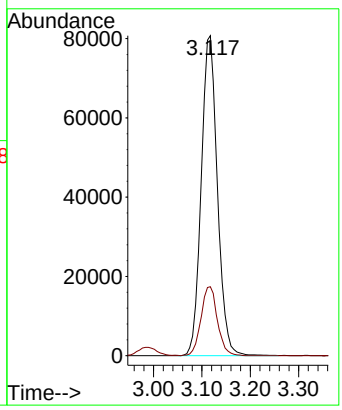




#19
Methyl tert-butyl Ether
Concen: 52.601 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 73 Resp: 18748

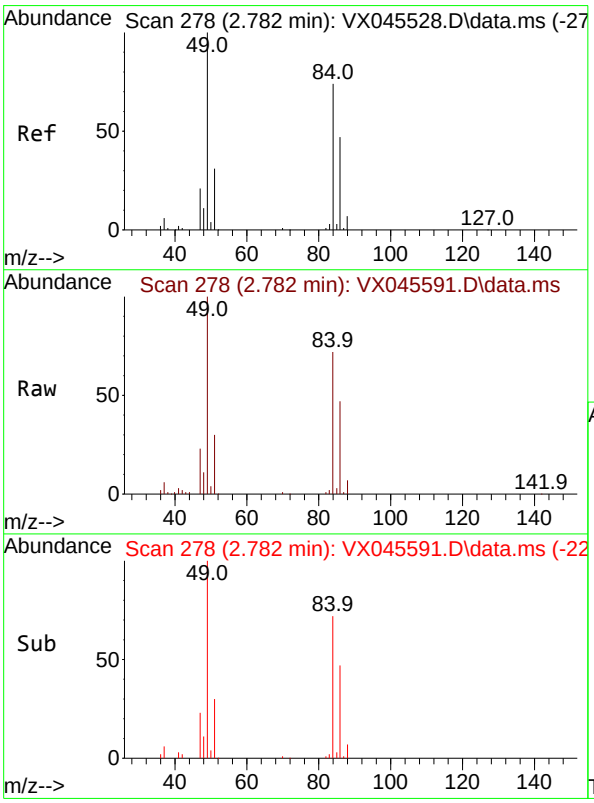
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

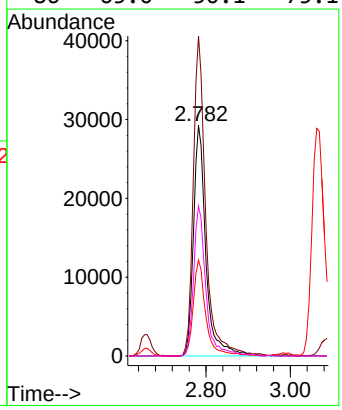
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

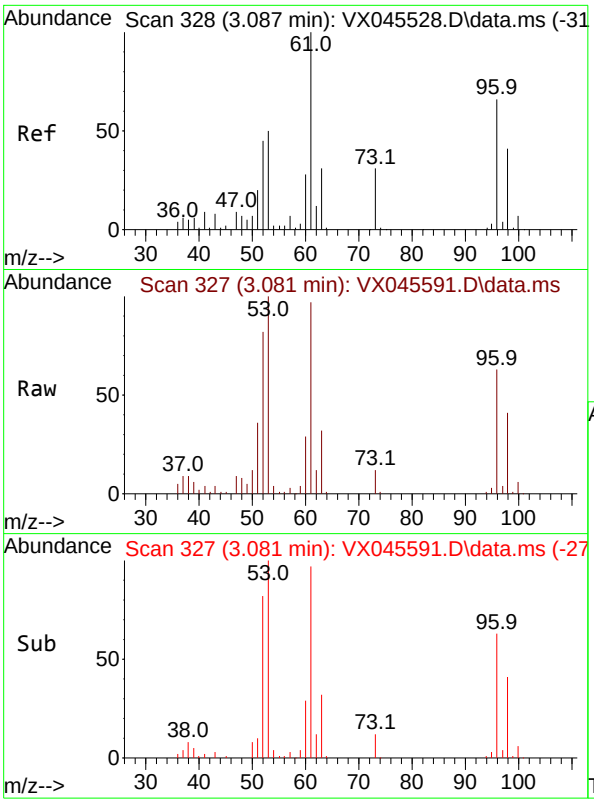


#20
Methylene Chloride
Concen: 50.497 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 84 Resp: 60251

Ion	Ratio	Lower	Upper
84	100		
49	138.8	107.5	161.3
51	41.6	33.0	49.6
86	65.0	50.1	75.1

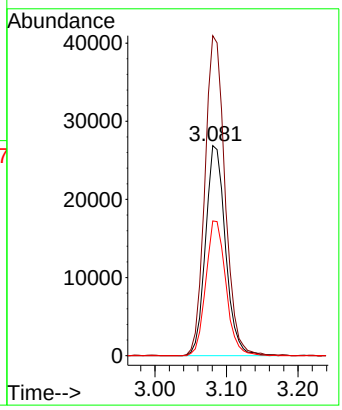




#21
trans-1,2-Dichloroethene
Concen: 50.062 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 96 Resp: 5211

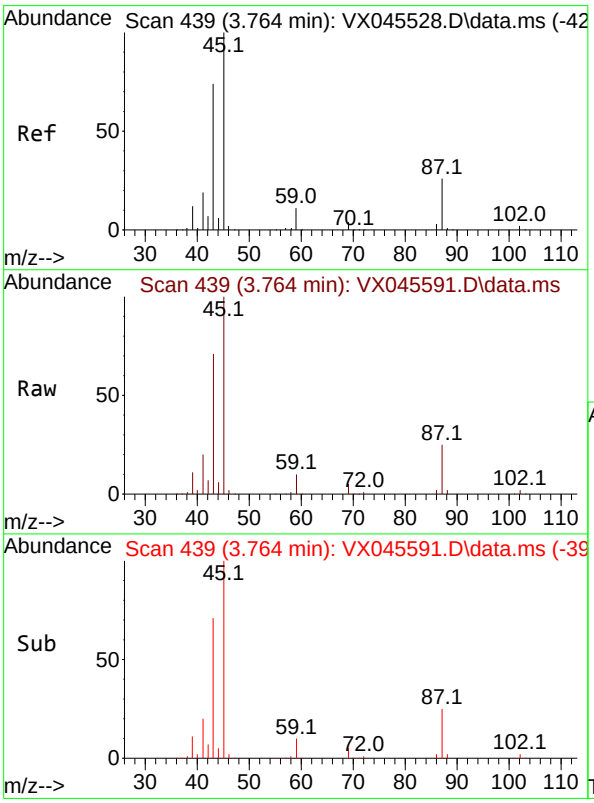
Ion	Ratio	Lower	Upper
96	100		
61	152.3	121.0	181.6
98	64.1	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

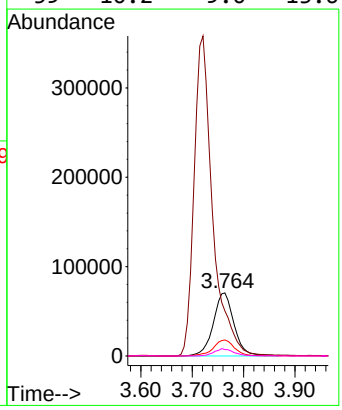
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

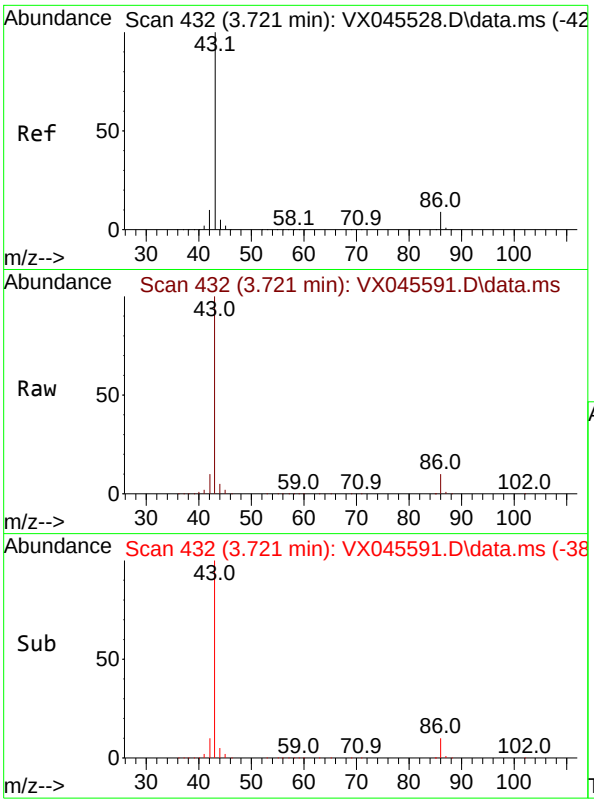


#22
Diisopropyl ether
Concen: 51.865 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 45 Resp: 197510

Ion	Ratio	Lower	Upper
45	100		
43	71.0	59.3	88.9
87	25.5	20.4	30.6
59	10.2	9.0	13.6





#23
Vinyl Acetate
Concen: 273.871 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

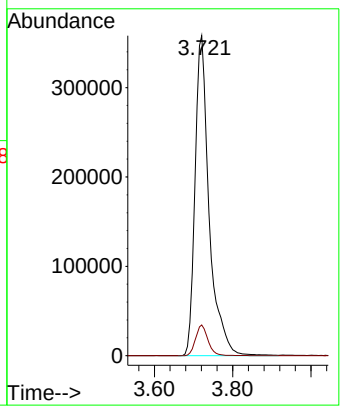
Tgt Ion: 43 Resp: 90109

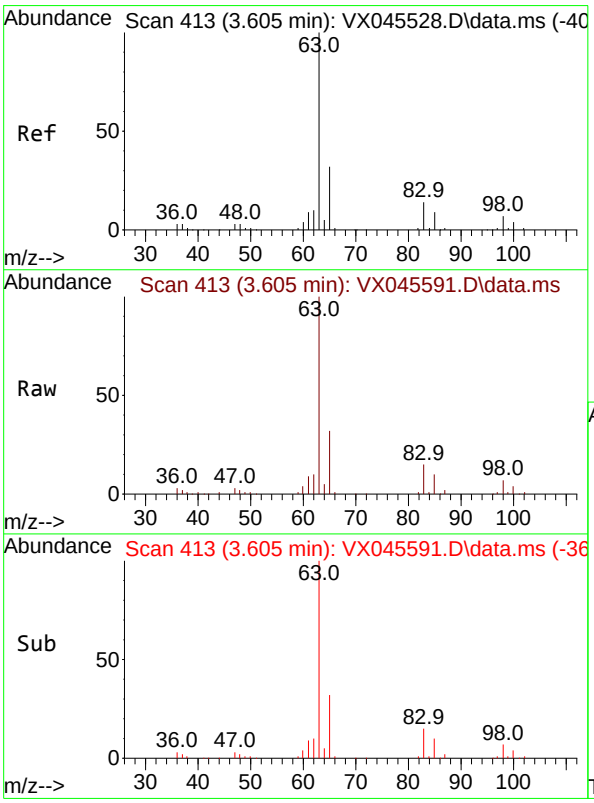
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

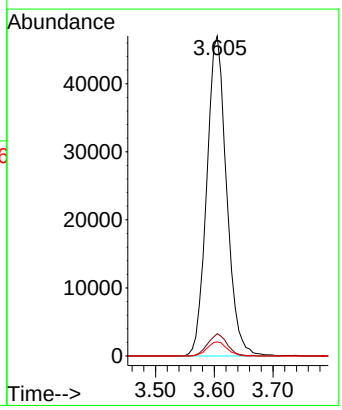


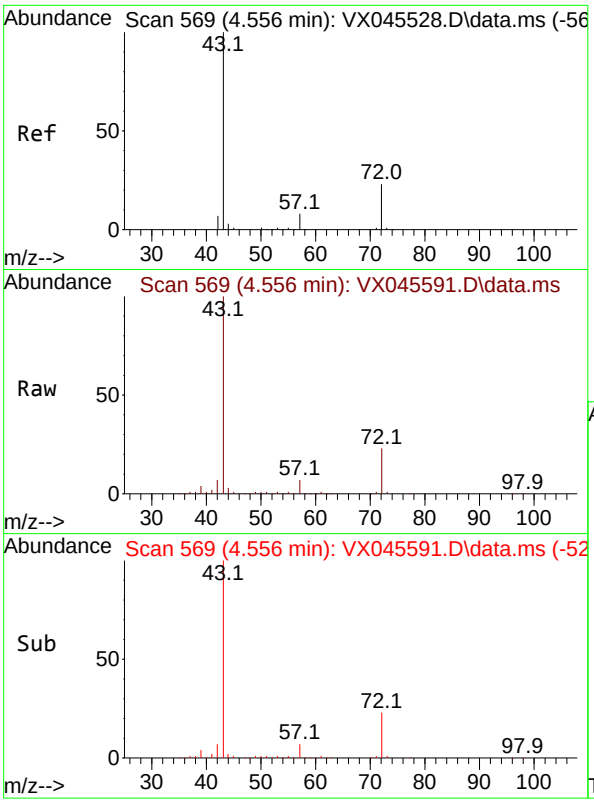


#24
1,1-Dichloroethane
Concen: 51.183 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 63 Resp: 110230

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.4	2.2	6.6

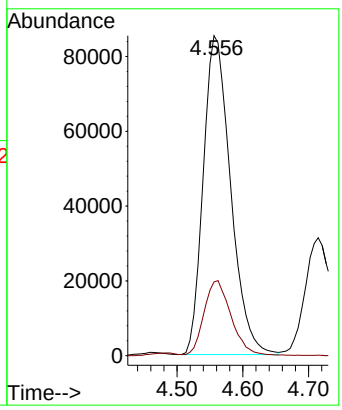




#25
2-Butanone
Concen: 264.259 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 43 Resp: 24653

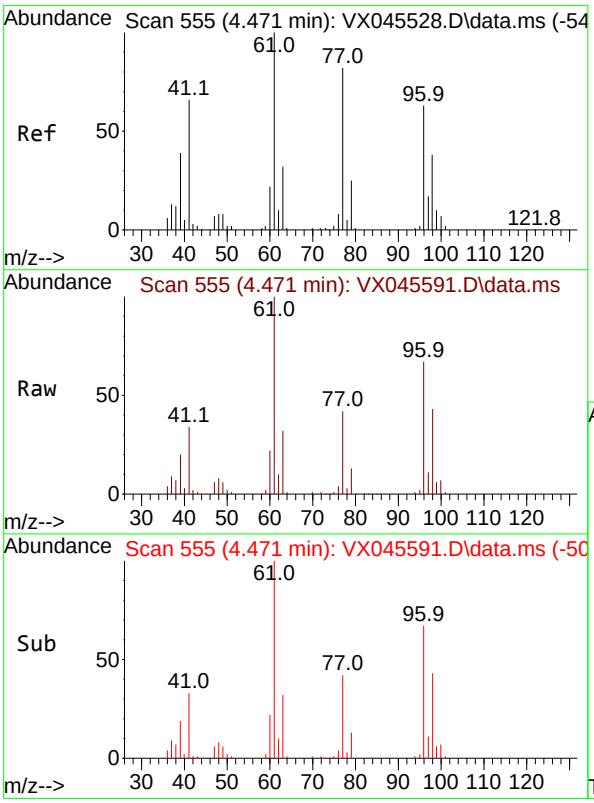
Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

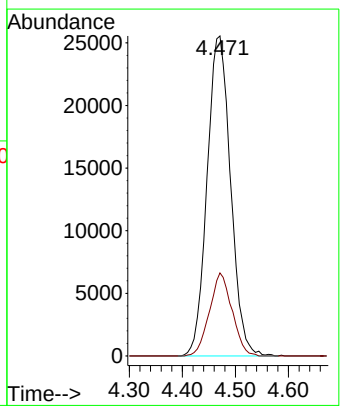
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

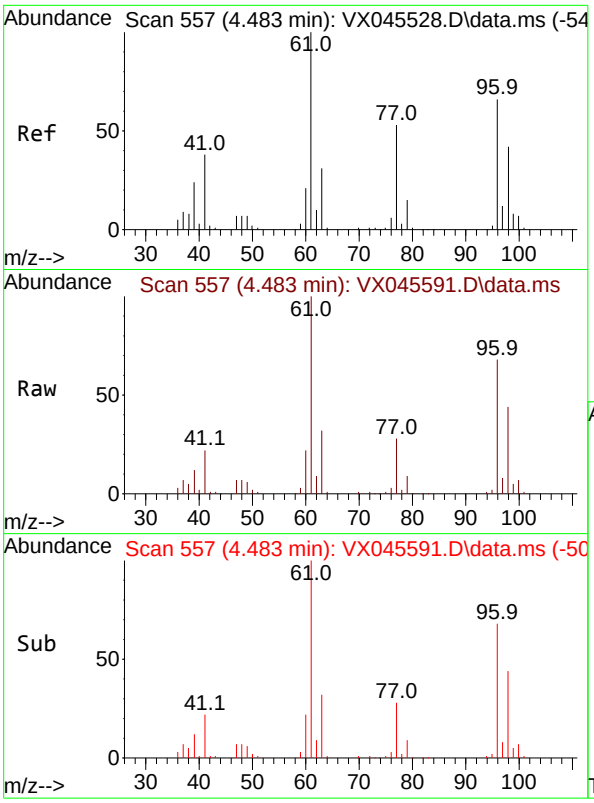


#26
2,2-Dichloropropane
Concen: 56.455 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 77 Resp: 78555

Ion	Ratio	Lower	Upper
77	100		
97	24.9	10.6	31.8

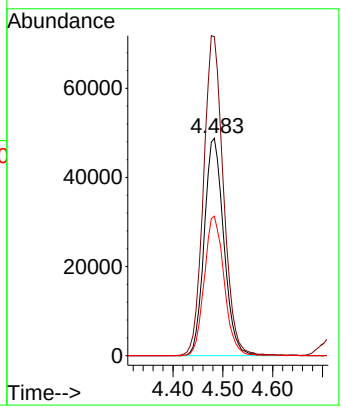




#27
cis-1,2-Dichloroethene
Concen: 104.968 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 96 Resp: 13311

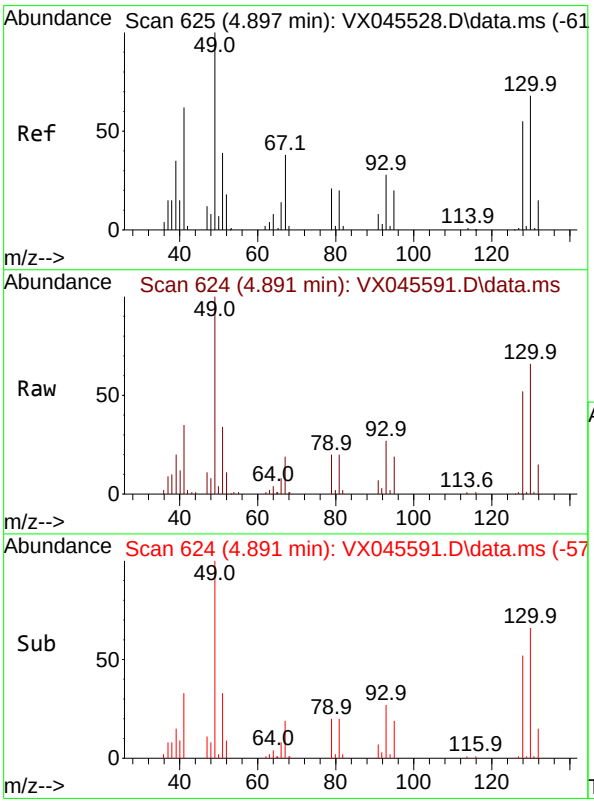
Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	313.2
98	64.8	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

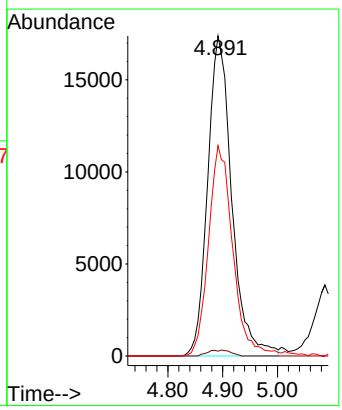
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

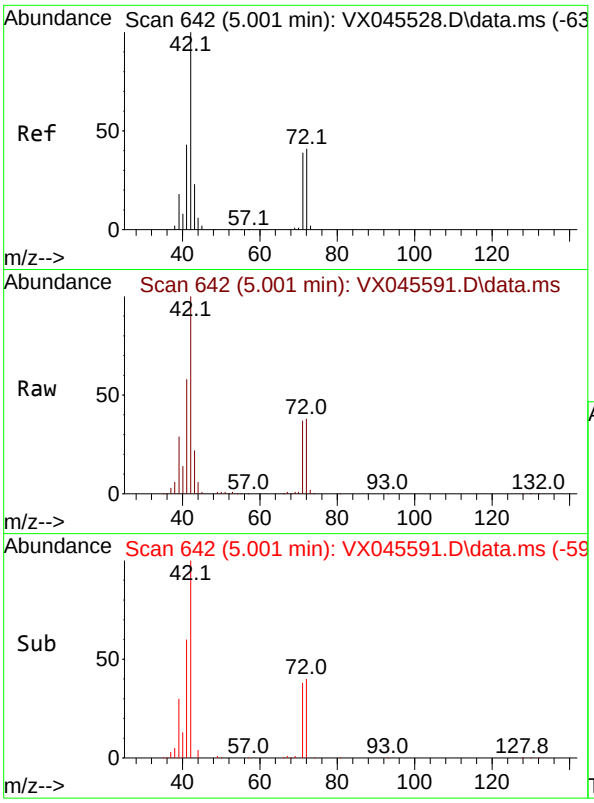


#28
Bromochloromethane
Concen: 50.918 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 49 Resp: 52993

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	66.1	54.6	81.8





#29
Tetrahydrofuran
Concen: 268.033 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

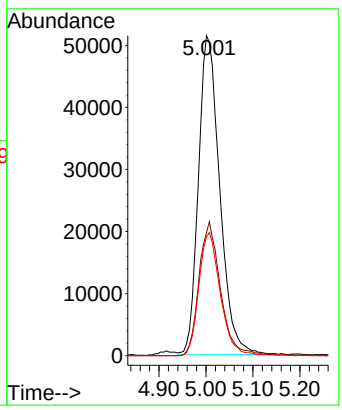
Tgt Ion: 42 Resp: 16211

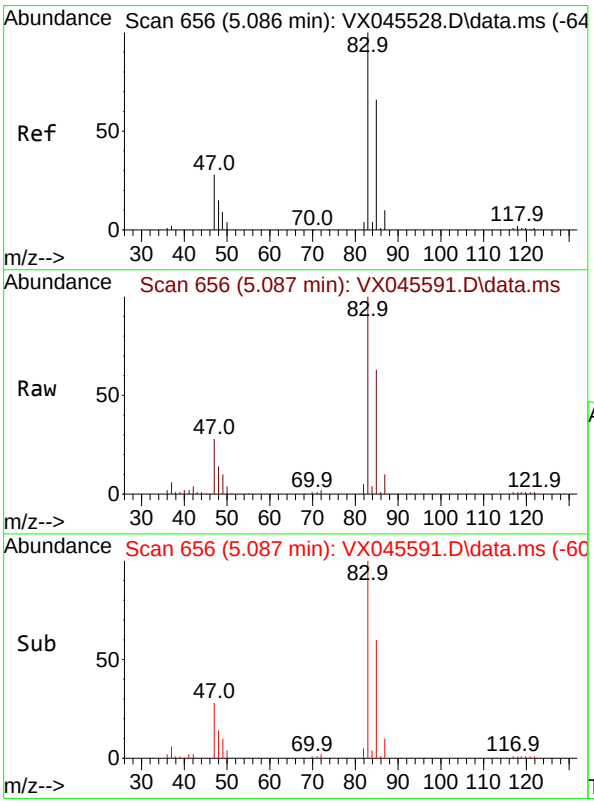
Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.4	50.0
71	38.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

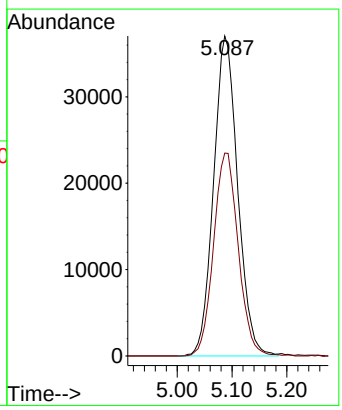


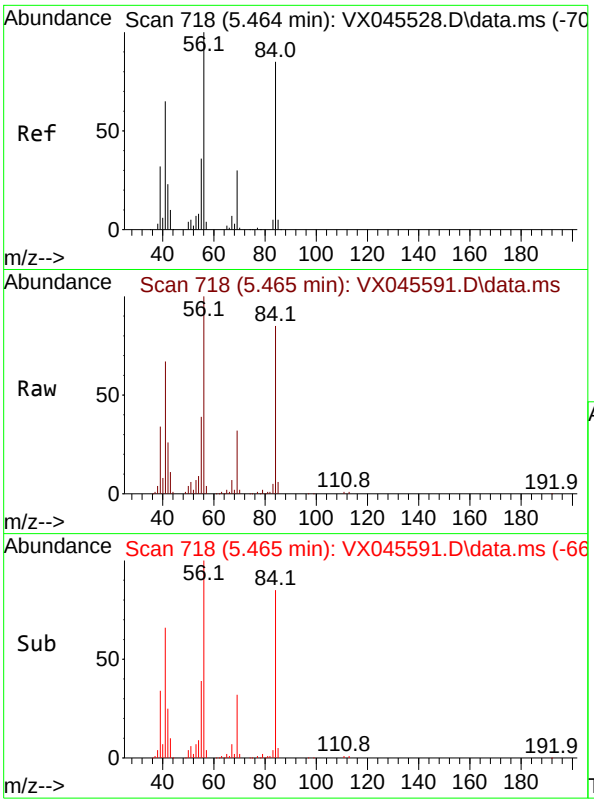


#30
Chloroform
Concen: 51.070 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 83 Resp: 113174

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.8	79.2

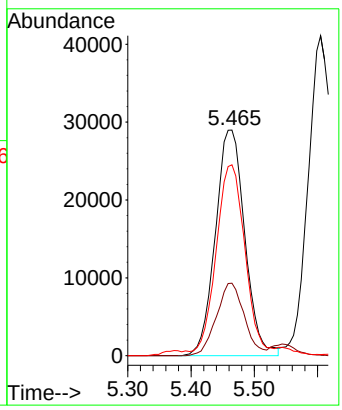




#31
Cyclohexane
Concen: 49.094 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 56 Resp: 9347

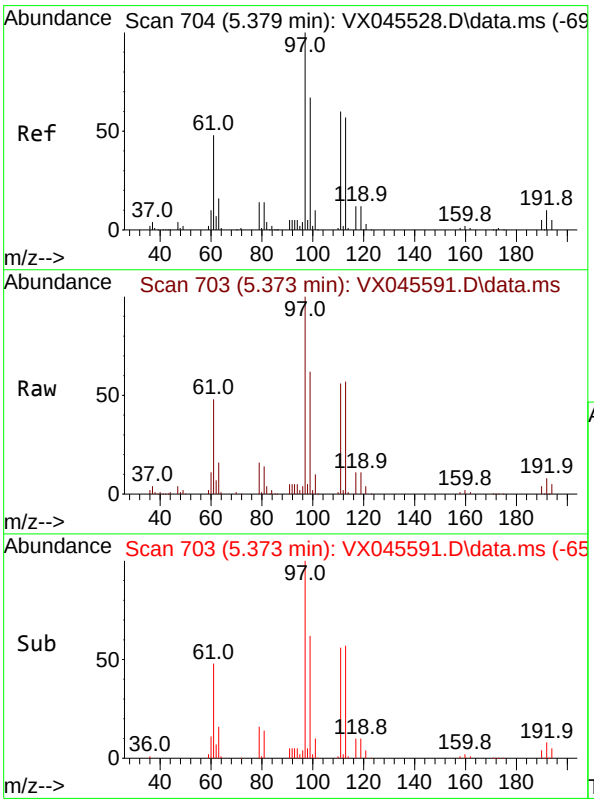
Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.6	35.4
84	82.4	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

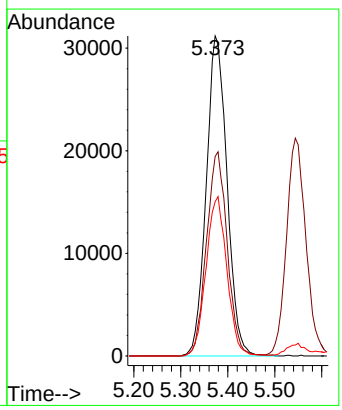
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

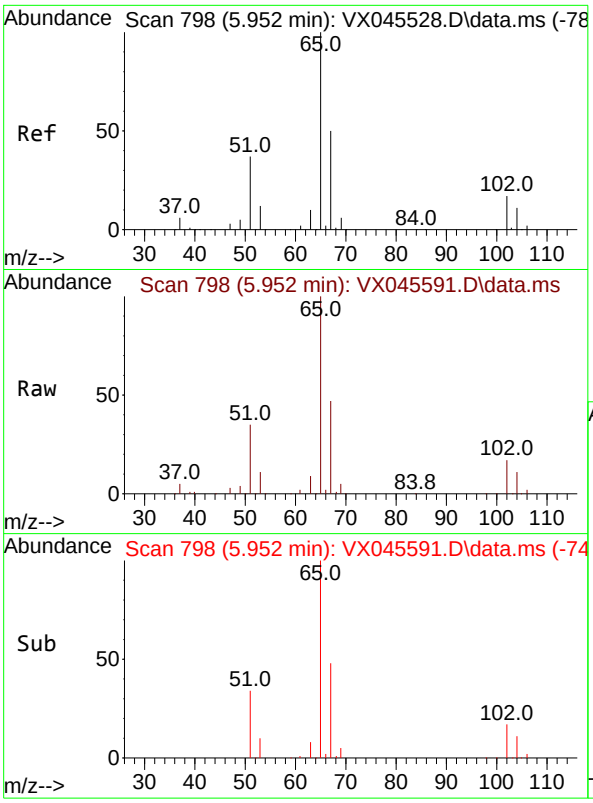


#32
1,1,1-Trichloroethane
Concen: 51.026 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 97 Resp: 95681

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.7	77.5
61	50.2	41.0	61.4





#33
1,2-Dichloroethane-d4
Concen: 53.228 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

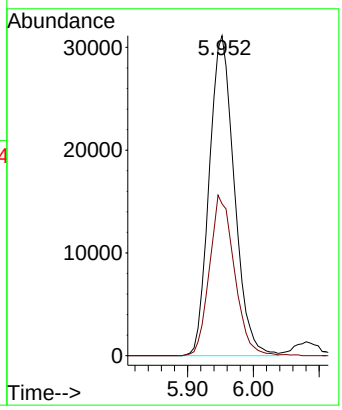
Tgt Ion: 65 Resp: 8261

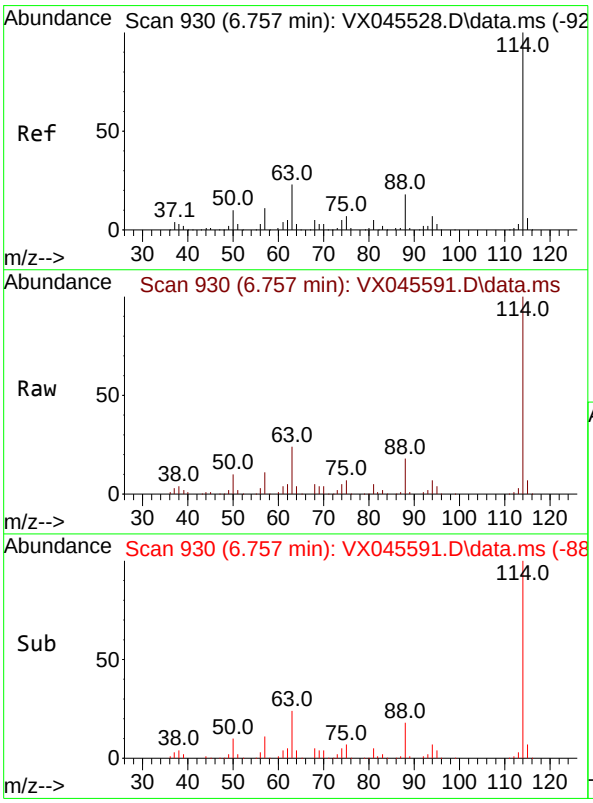
Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	99.0

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

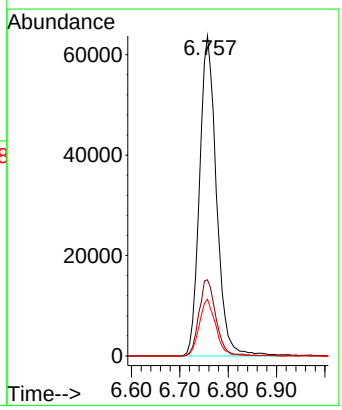


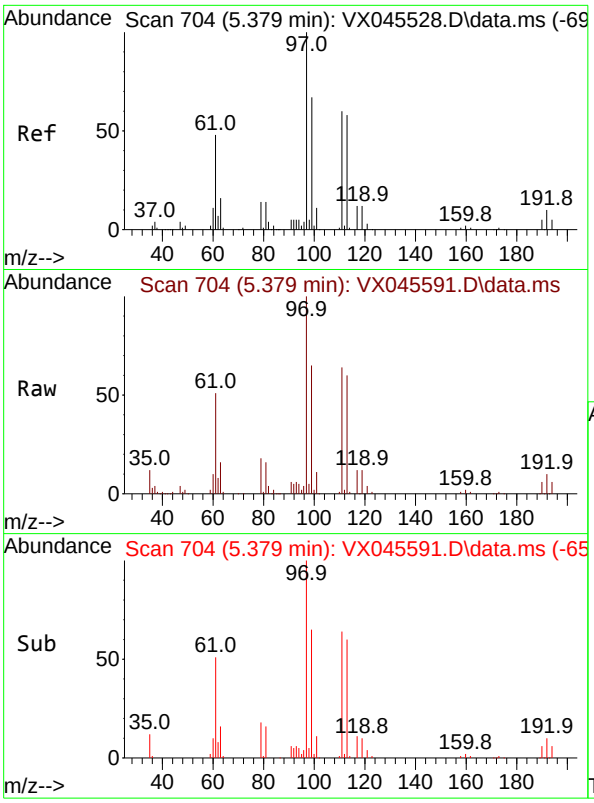


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:114 Resp: 154383

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	46.8
88	17.8	0.0	35.4

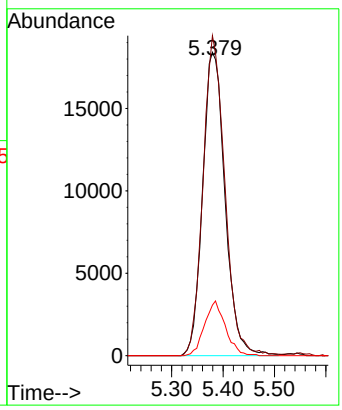




#35
Dibromofluoromethane
Concen: 50.836 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:113 Resp: 5568

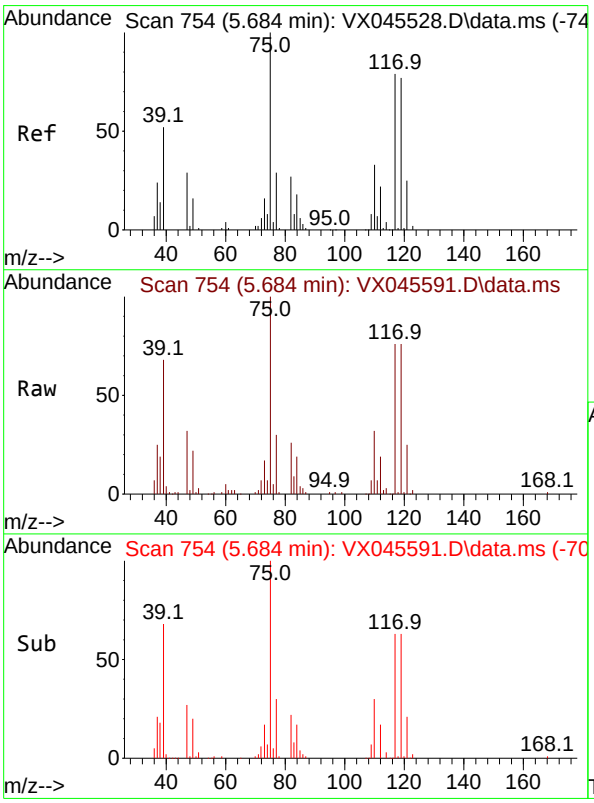
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	16.9	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

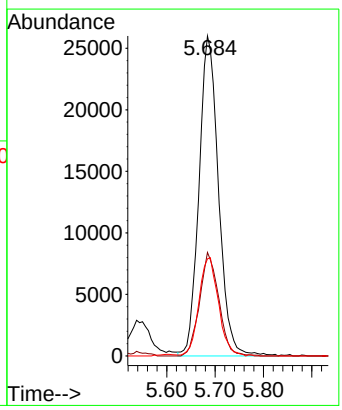
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

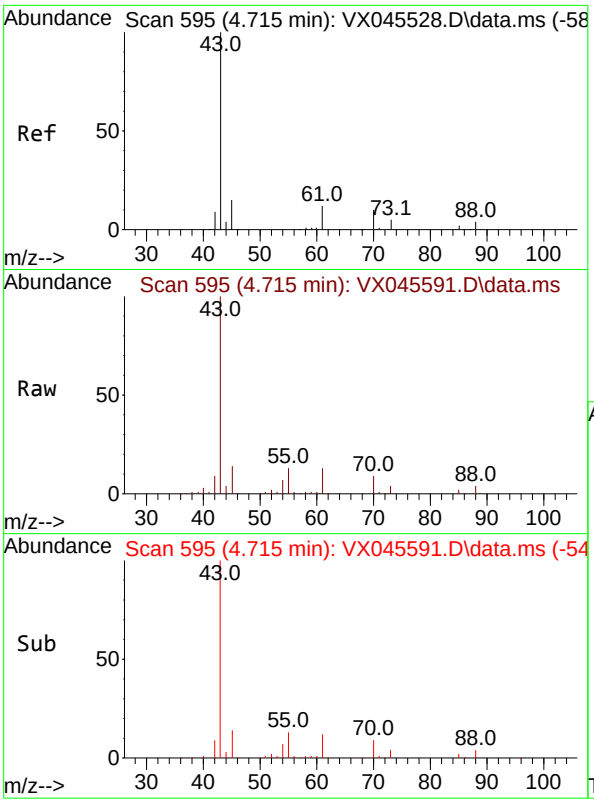


#36
1,1-Dichloropropene
Concen: 49.362 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 75 Resp: 73004

Ion	Ratio	Lower	Upper
75	100		
110	31.7	16.9	50.6
77	30.7	25.0	37.4

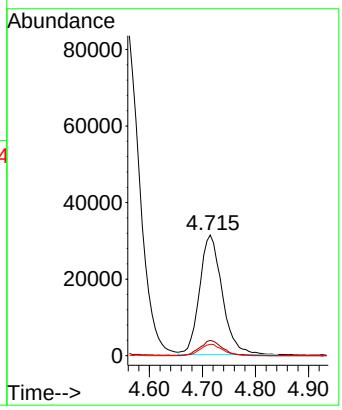




#37
Ethyl Acetate
Concen: 49.720 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 43 Resp: 9266

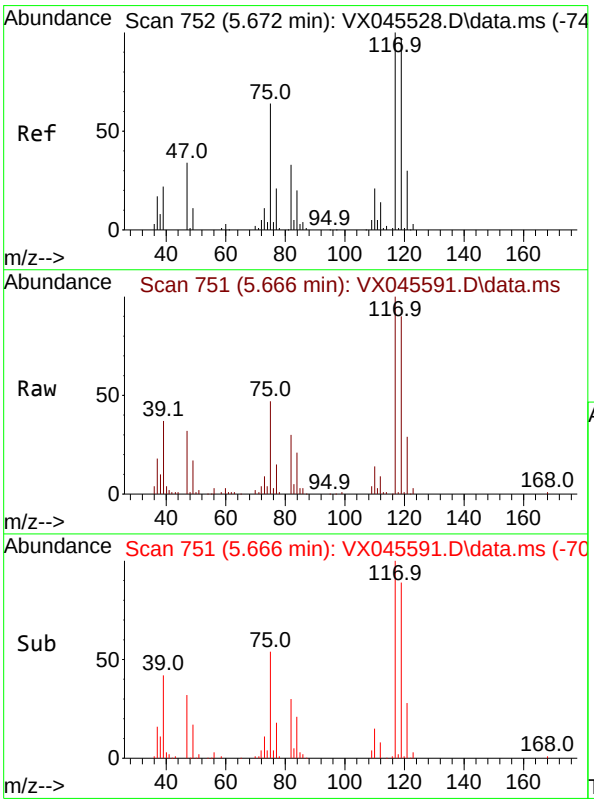
Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.9	14.9
70	9.5	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

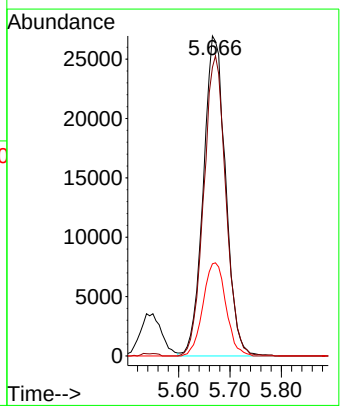
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

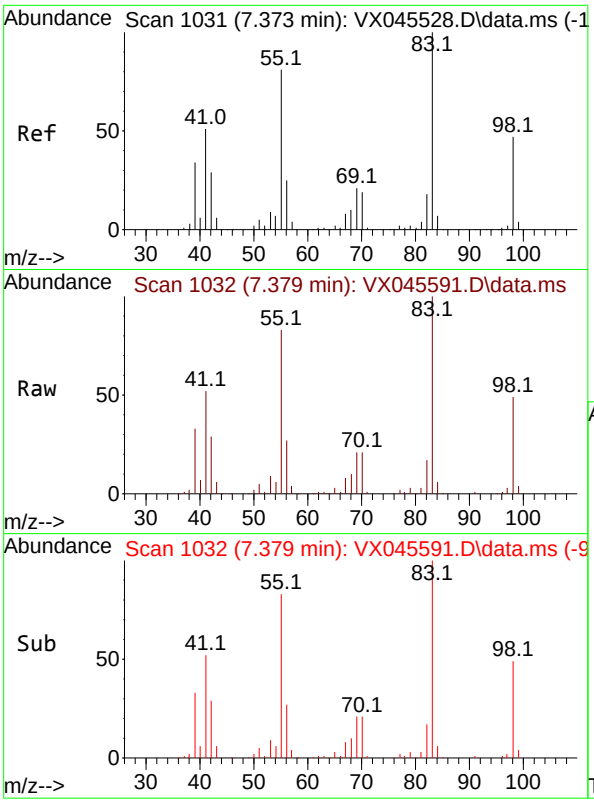


#38
Carbon Tetrachloride
Concen: 50.603 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:117 Resp: 80883

Ion	Ratio	Lower	Upper
117	100		
119	90.2	76.9	115.3
121	28.8	24.2	36.2

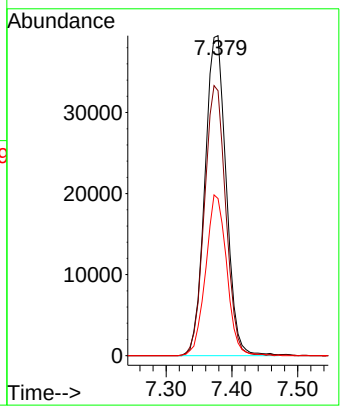




#39
Methylcyclohexane
Concen: 48.969 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 83 Resp: 8877

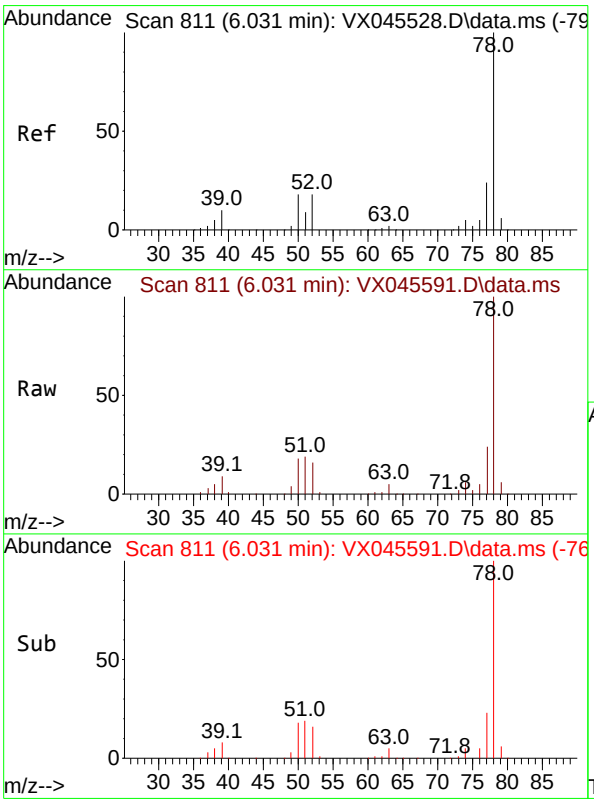
Ion	Ratio	Lower	Upper
83	100		
55	82.8	64.9	97.3
98	49.1	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

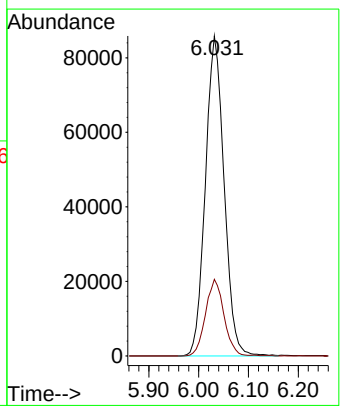
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

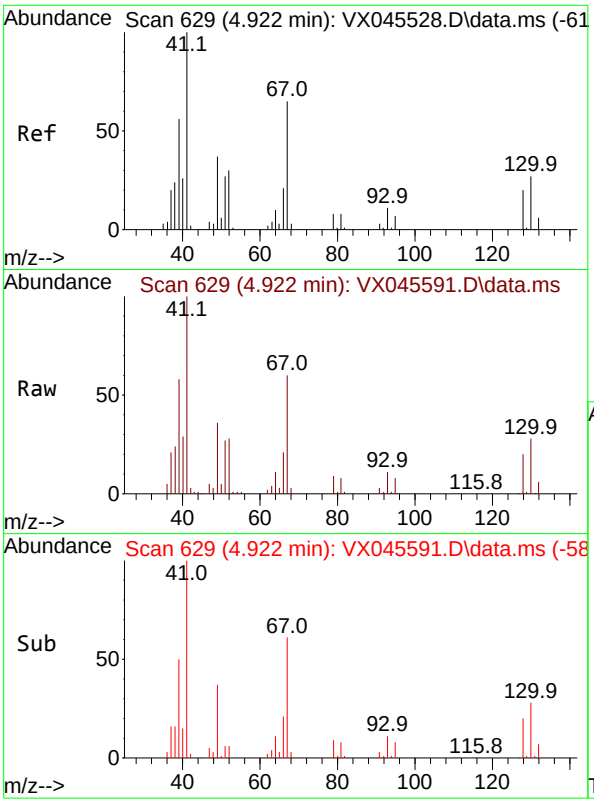


#40
Benzene
Concen: 49.555 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 78 Resp: 223833

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6

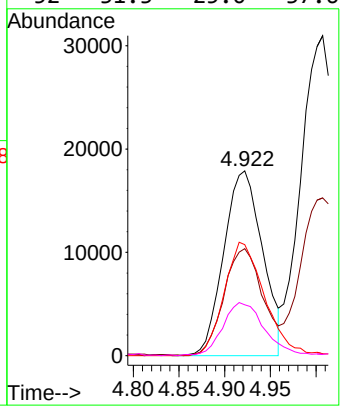




#41
Methacrylonitrile
Concen: 53.792 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 41 Resp: 5289

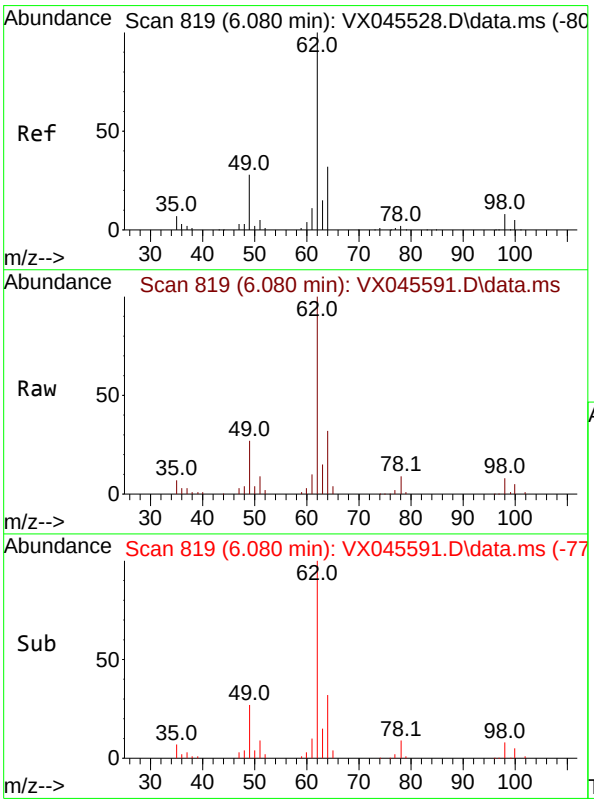
Ion	Ratio	Lower	Upper
41	100		
39	58.1	47.0	70.6
67	64.4	53.2	79.8
52	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

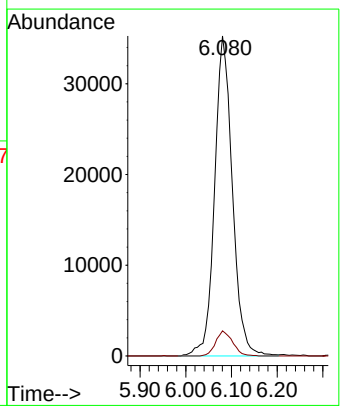
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

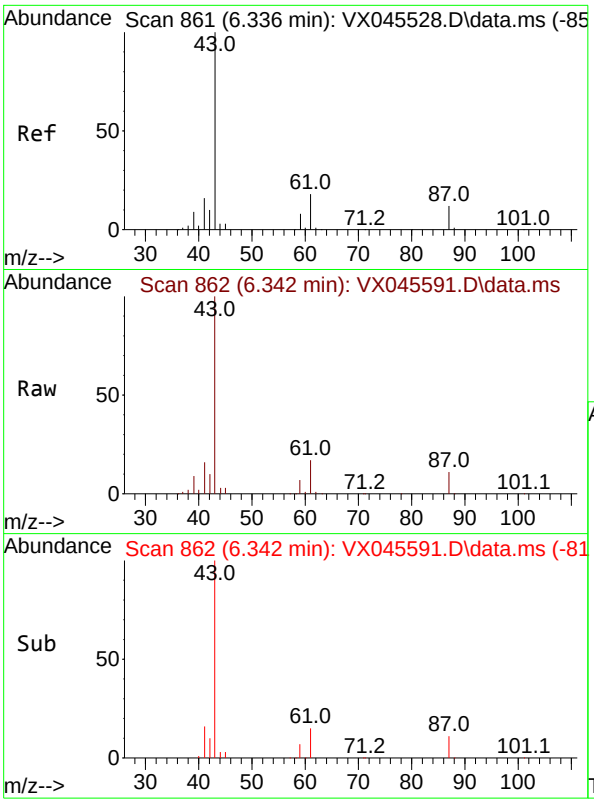


#42
1,2-Dichloroethane
Concen: 51.199 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 62 Resp: 95516

Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.2

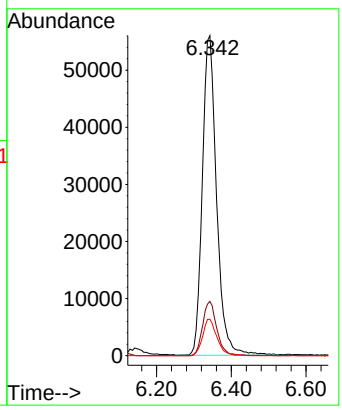




#43
Isopropyl Acetate
Concen: 52.304 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 43 Resp: 14774

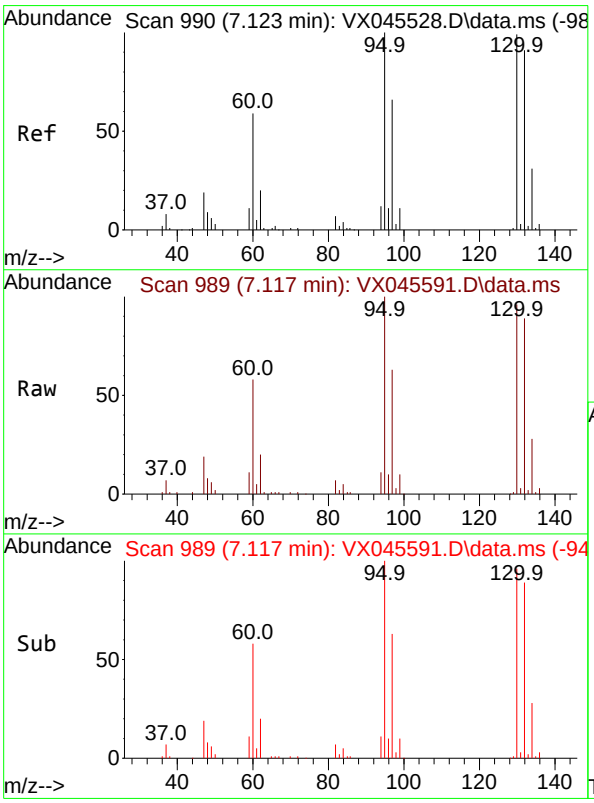
Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.1	21.1
87	11.4	9.2	13.8



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

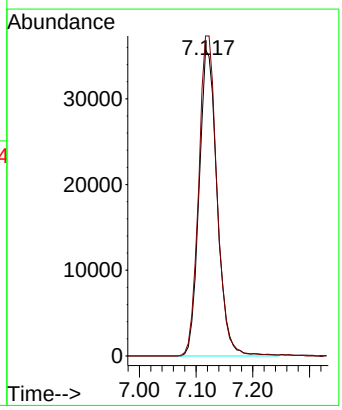
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

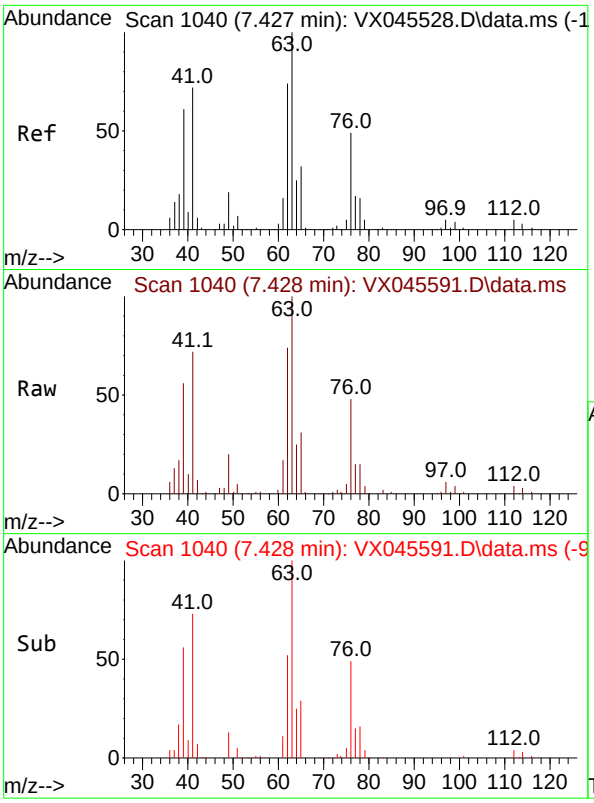


#44
Trichloroethene
Concen: 73.655 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:130 Resp: 79074

Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	202.0

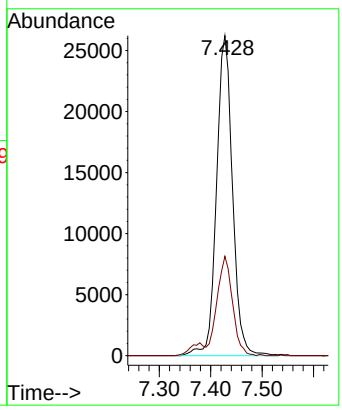




#45
1,2-Dichloropropane
Concen: 50.237 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 63 Resp: 5661

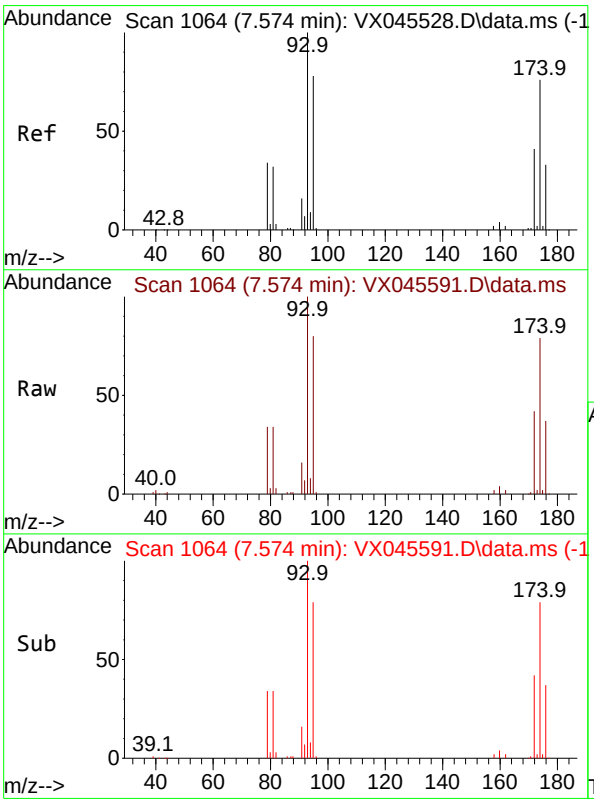
Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

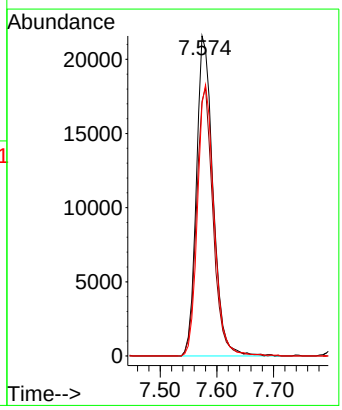
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

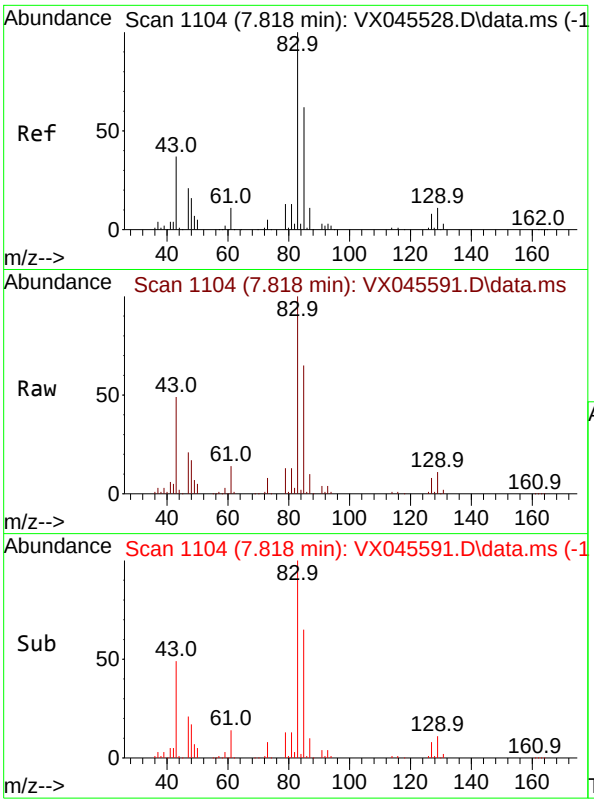


#46
Dibromomethane
Concen: 50.857 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 93 Resp: 43998

Ion	Ratio	Lower	Upper
93	100		
95	83.0	64.8	97.2
174	84.0	65.4	98.0

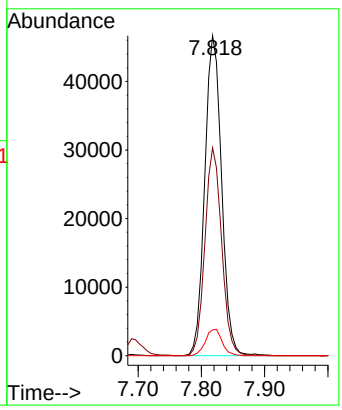




#47
Bromodichloromethane
Concen: 50.058 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 83 Resp: 8648

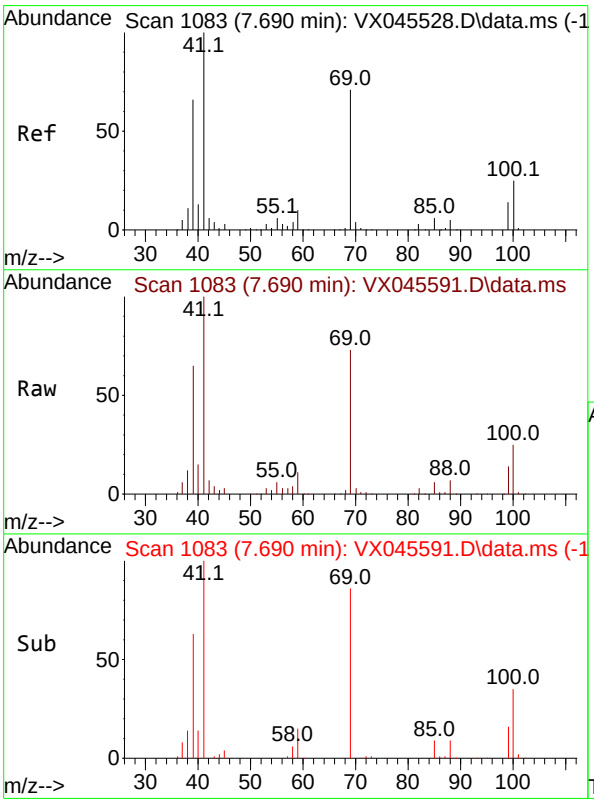
Ion	Ratio	Lower	Upper
83	100		
85	65.0	49.7	74.5
127	8.1	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

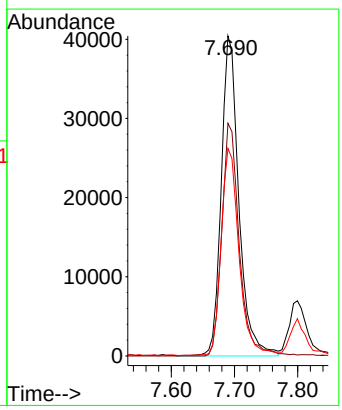
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

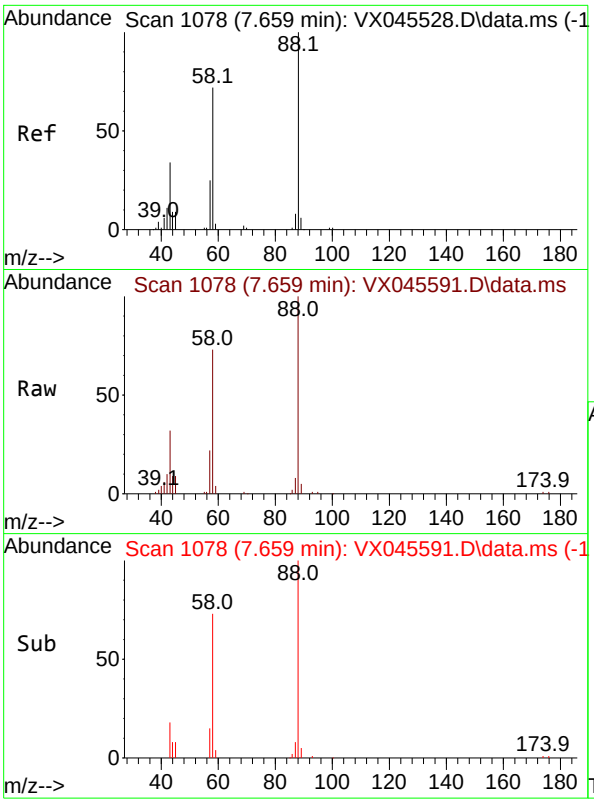


#48
Methyl methacrylate
Concen: 53.418 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 41 Resp: 77910

Ion	Ratio	Lower	Upper
41	100		
69	72.0	58.2	87.2
39	65.3	53.6	80.4

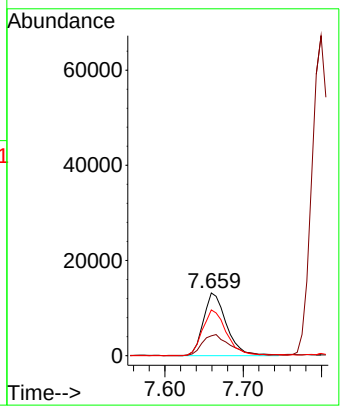




#49
1,4-Dioxane
Concen: 1026.301 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 88 Resp: 2708

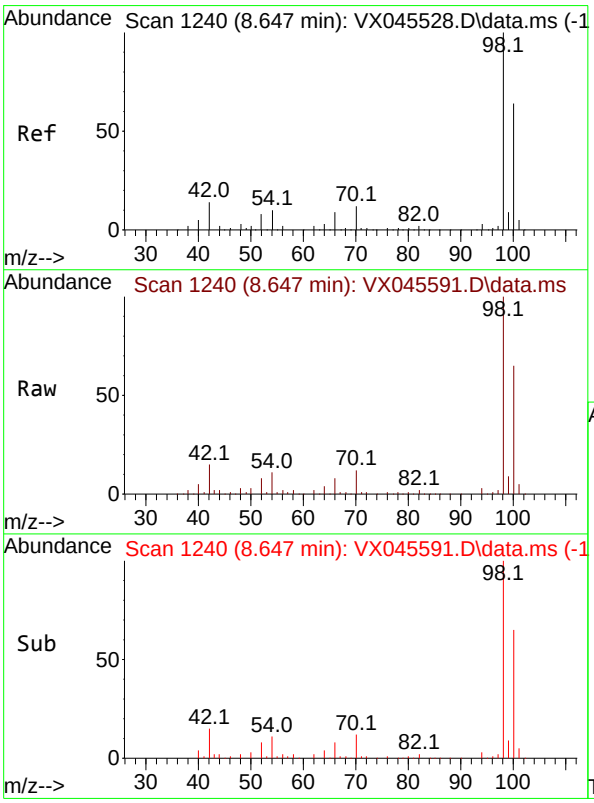
Ion	Ratio	Lower	Upper
88	100		
43	42.0	32.2	48.4
58	75.1	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

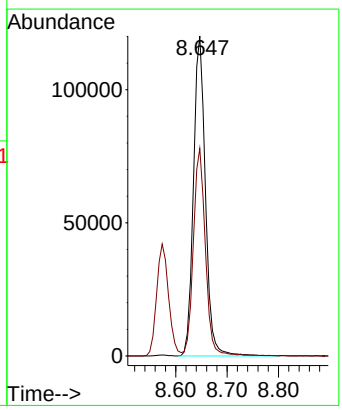
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

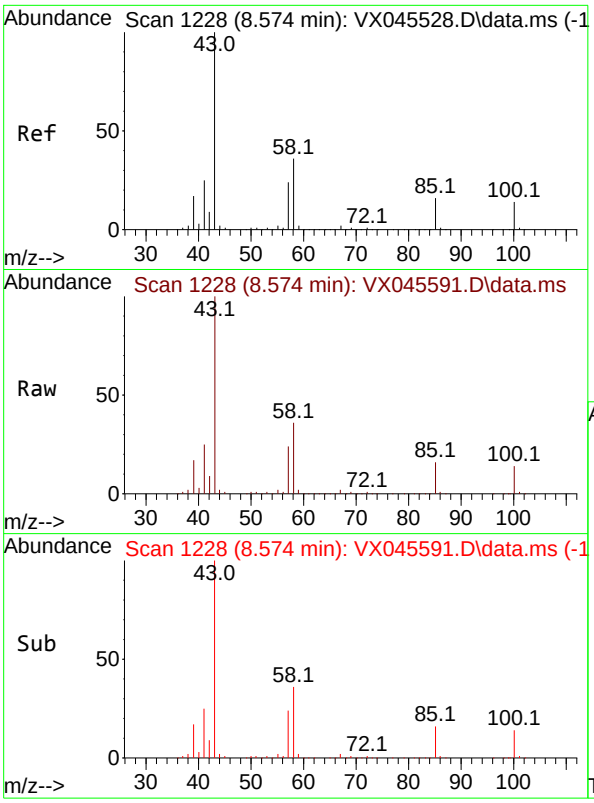


#50
Toluene-d8
Concen: 50.804 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 98 Resp: 194235

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.4

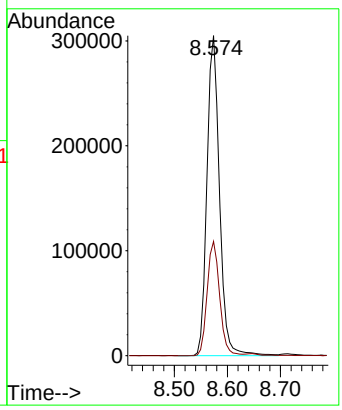




#51
4-Methyl-2-Pentanone
Concen: 267.387 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 43 Resp: 50071

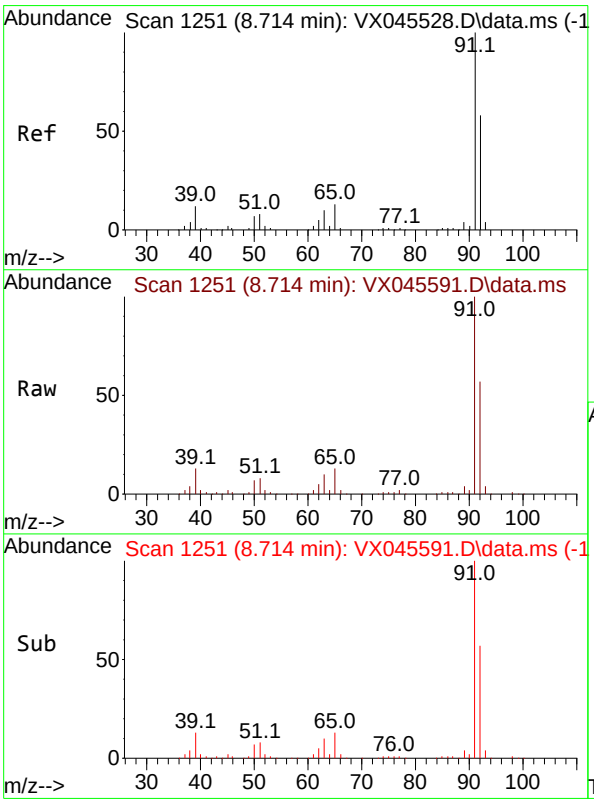
Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

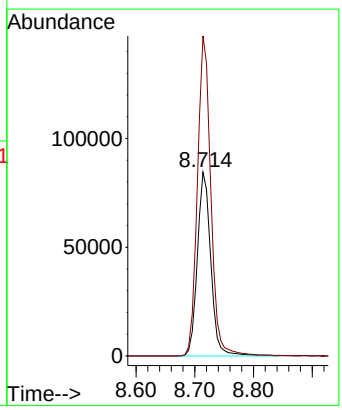
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

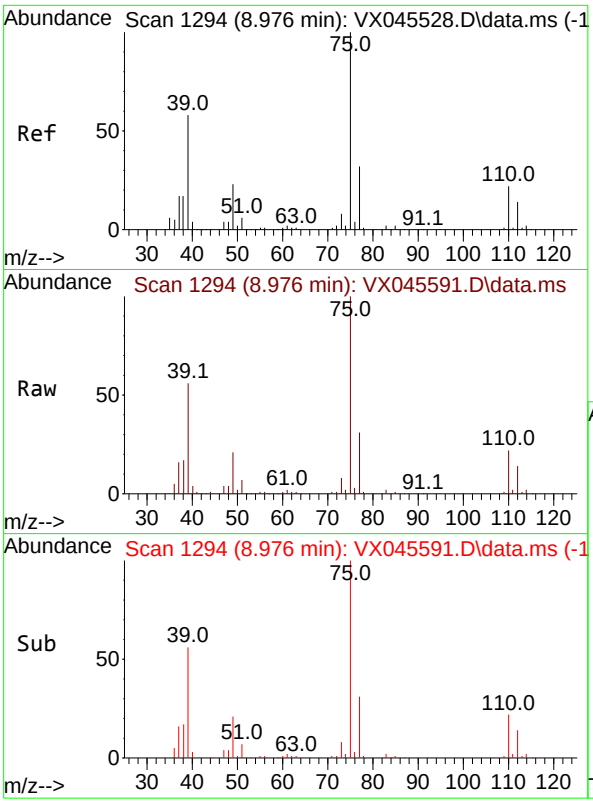


#52
Toluene
Concen: 49.155 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 92 Resp: 134349

Ion	Ratio	Lower	Upper
92	100		
91	174.4	138.7	208.1





#53
t-1,3-Dichloropropene
Concen: 47.367 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

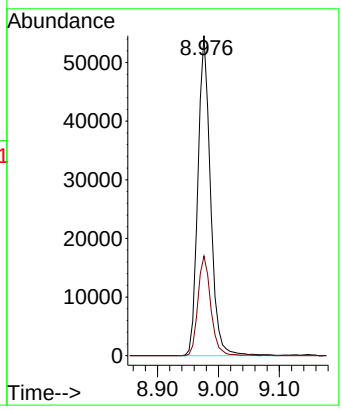
Tgt Ion: 75 Resp: 7848

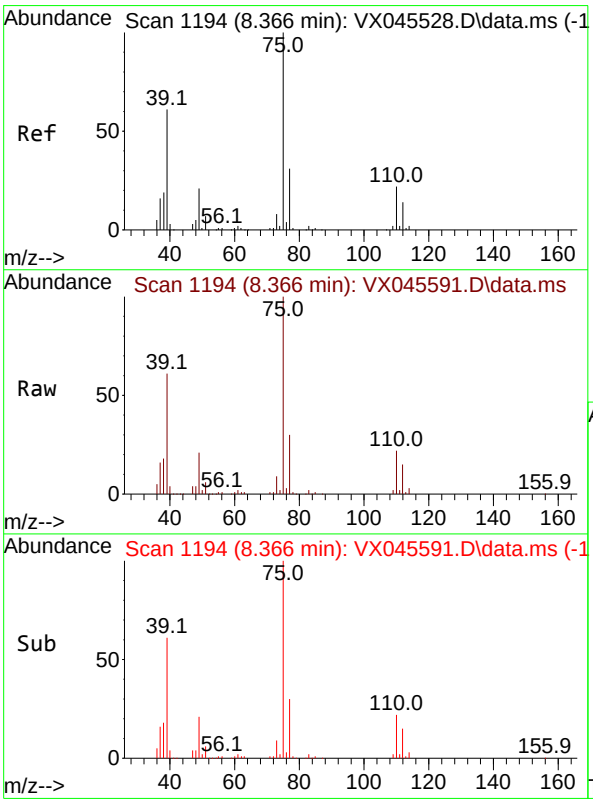
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

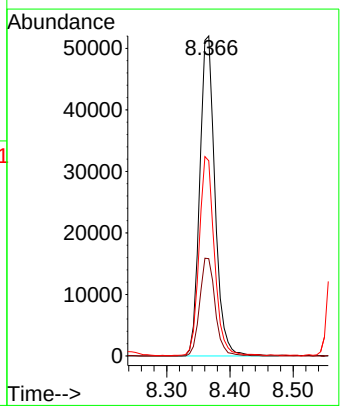


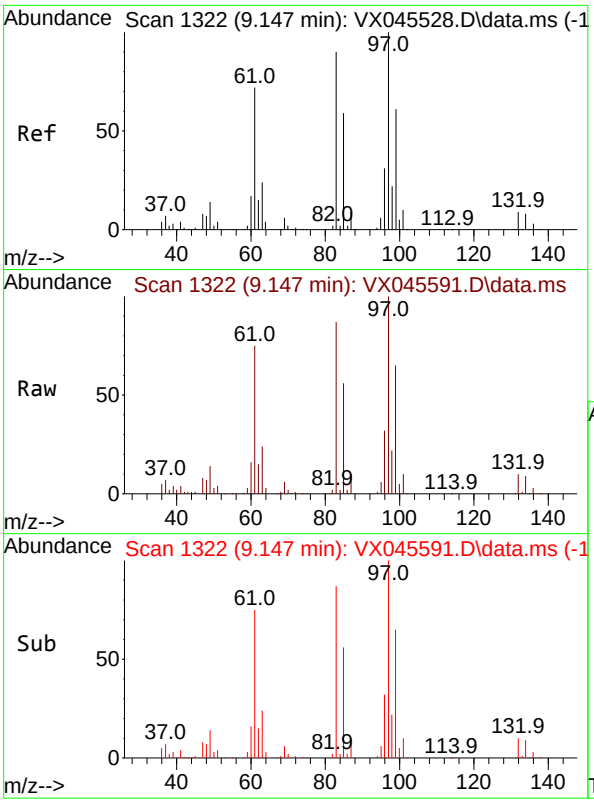


#54
cis-1,3-Dichloropropene
Concen: 53.787 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 75 Resp: 87327

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.6	36.8
39	60.8	48.4	72.6

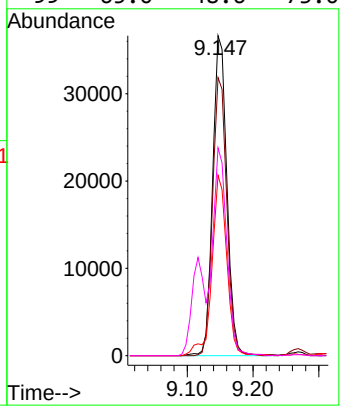




#55
1,1,2-Trichloroethane
Concen: 50.689 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 97 Resp: 5520

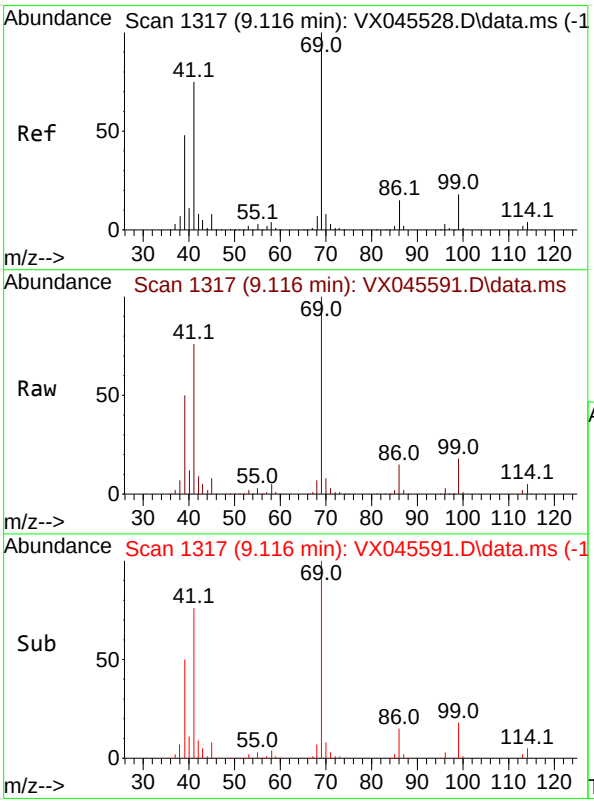
Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.8	107.8
85	56.4	47.0	70.6
99	65.0	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

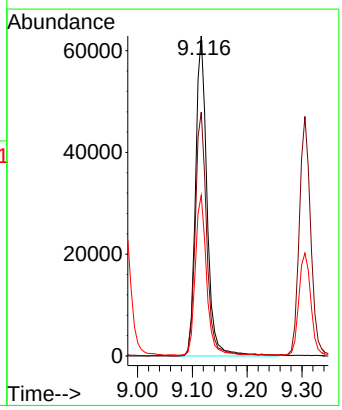
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

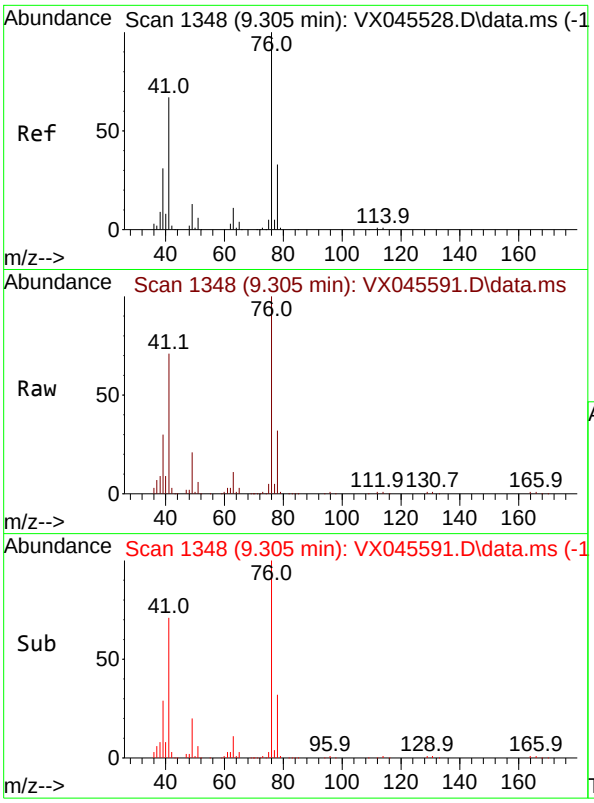


#56
Ethyl methacrylate
Concen: 54.386 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 69 Resp: 91670

Ion	Ratio	Lower	Upper
69	100		
41	76.6	61.3	91.9
39	49.0	40.2	60.2

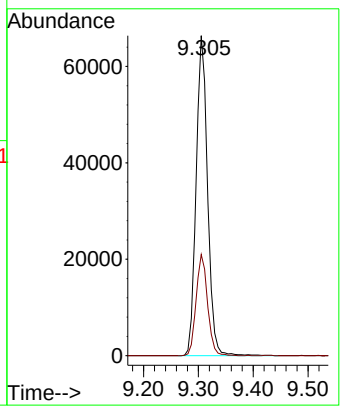




#57
1,3-Dichloropropane
Concen: 50.944 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 76 Resp: 9661

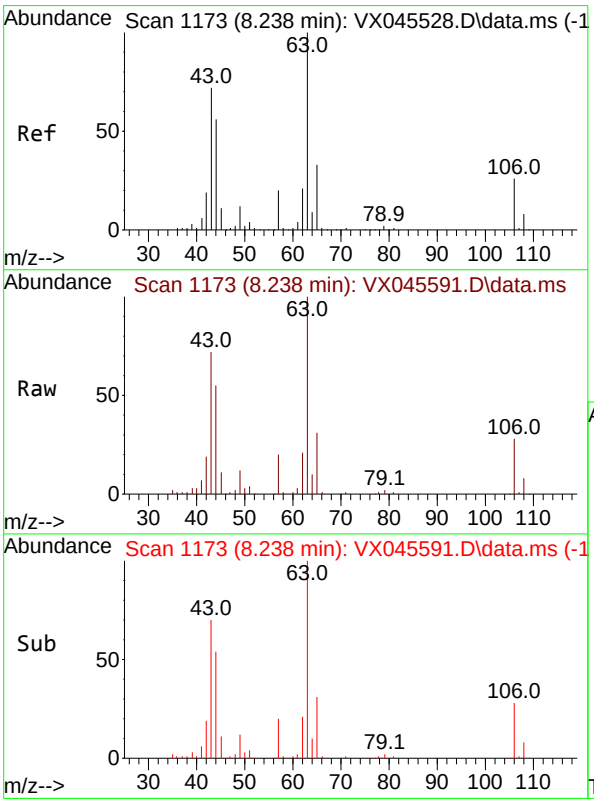
Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

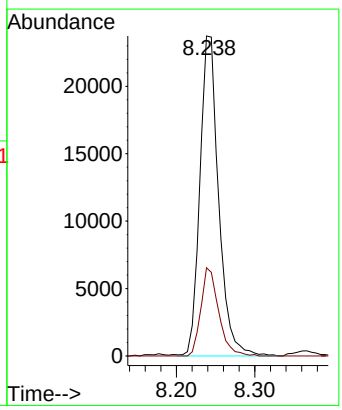
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

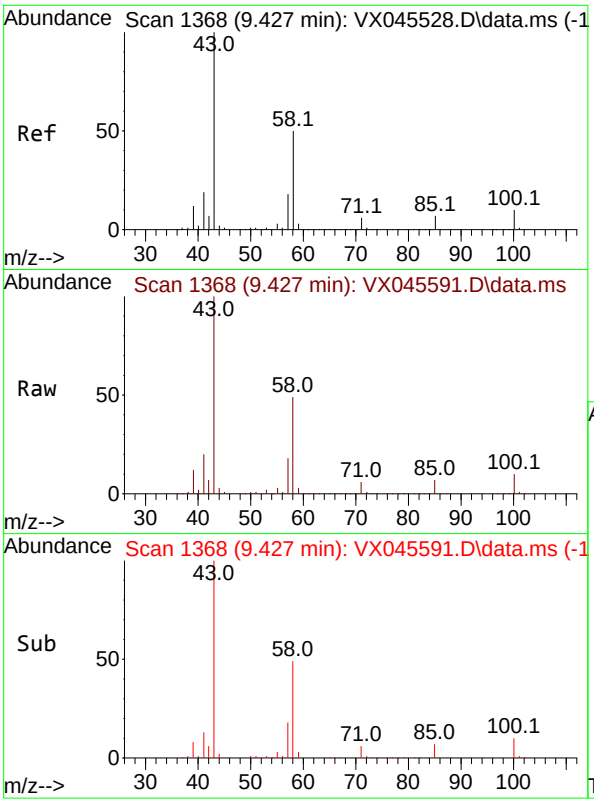


#58
2-Chloroethyl Vinyl ether
Concen: 46.282 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 63 Resp: 39463

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.0	31.6

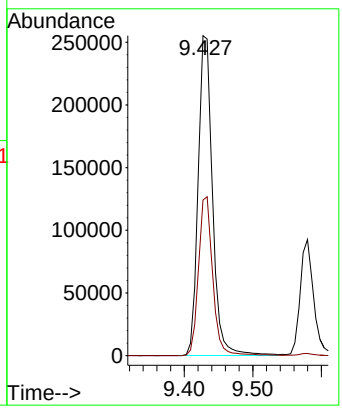




#59
2-Hexanone
Concen: 269.685 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 43 Resp: 37397

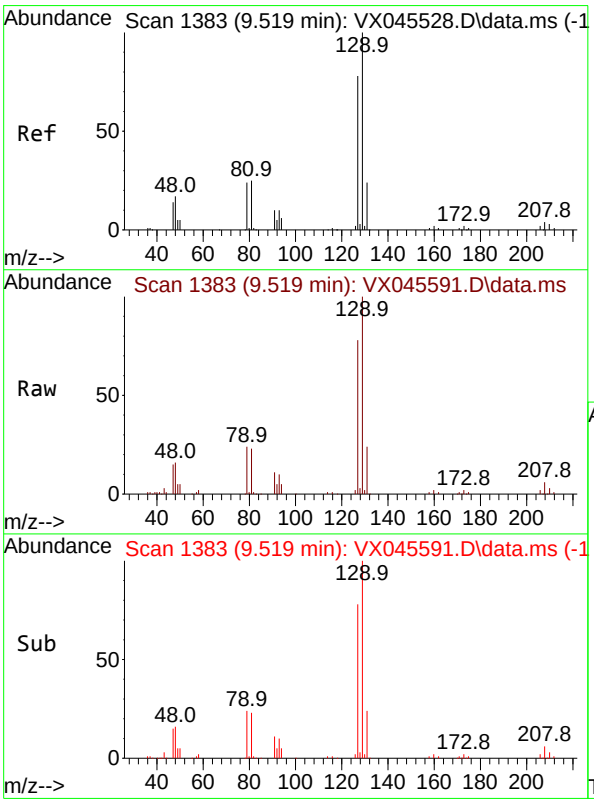
Ion	Ratio	Lower	Upper
43	100		
58	49.3	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

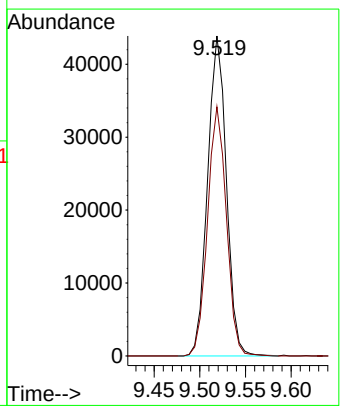
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

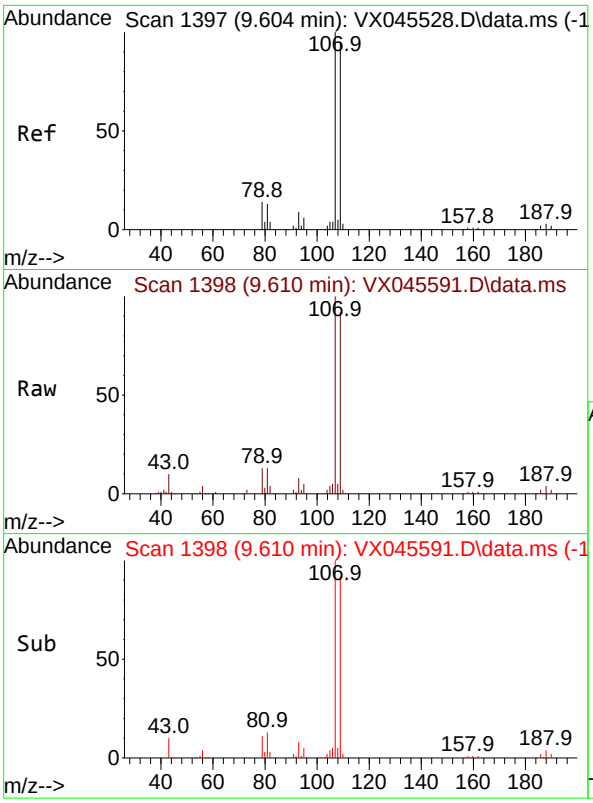


#60
Dibromochloromethane
Concen: 52.736 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:129 Resp: 62616

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.4	118.2

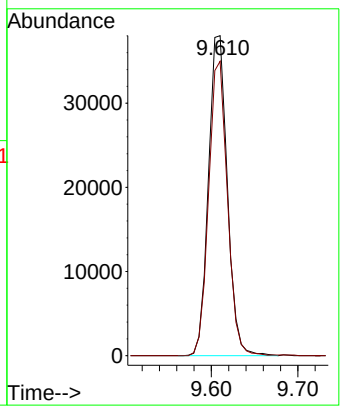




#61
1,2-Dibromoethane
Concen: 52.167 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:107 Resp: 5751

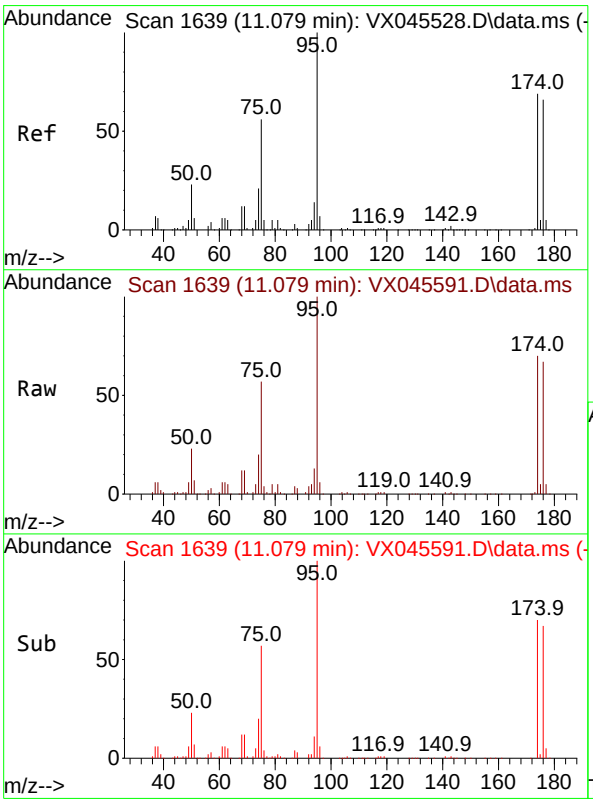
Ion	Ratio	Lower	Upper
107	100		
109	91.7	75.7	113.5



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

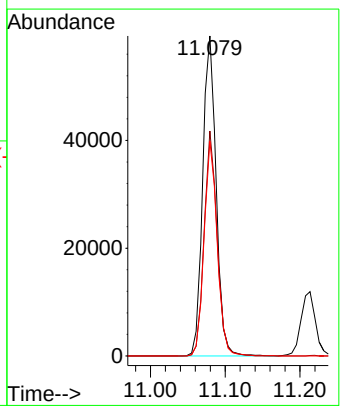
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

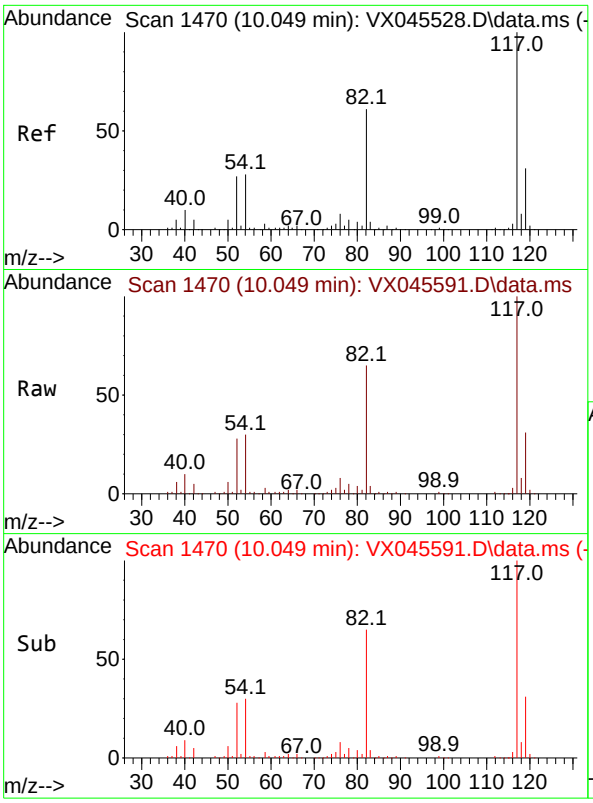


#62
4-Bromofluorobenzene
Concen: 53.120 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 95 Resp: 73975

Ion	Ratio	Lower	Upper
95	100		
174	68.0	0.0	135.8
176	65.6	0.0	131.4

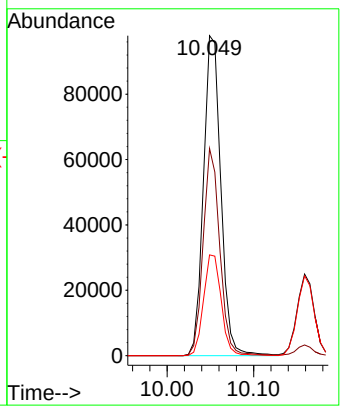




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:117 Resp: 13669

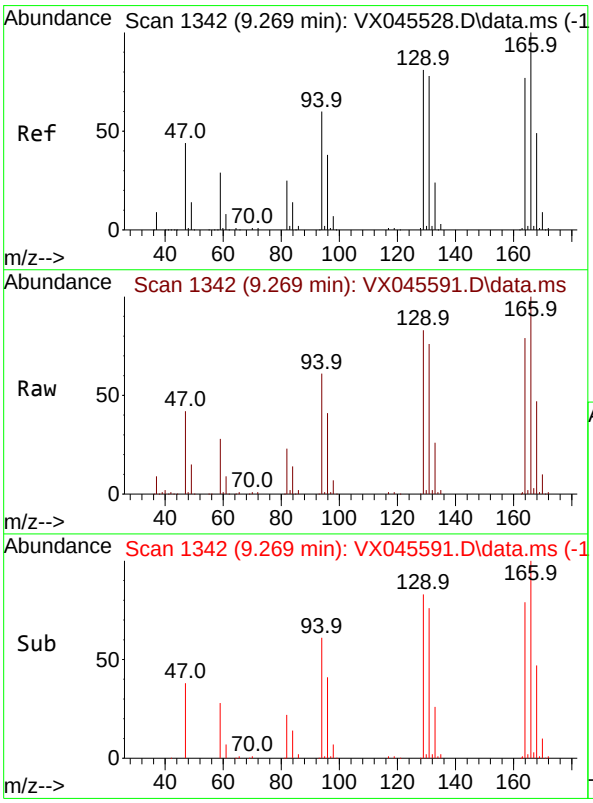
Ion	Ratio	Lower	Upper
117	100		
82	64.7	49.2	73.8
119	31.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

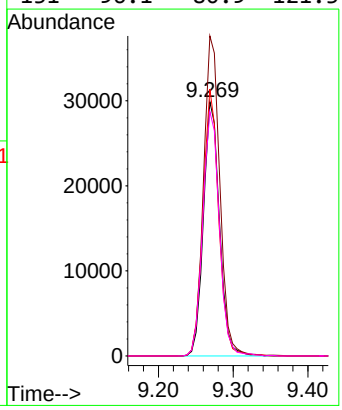
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

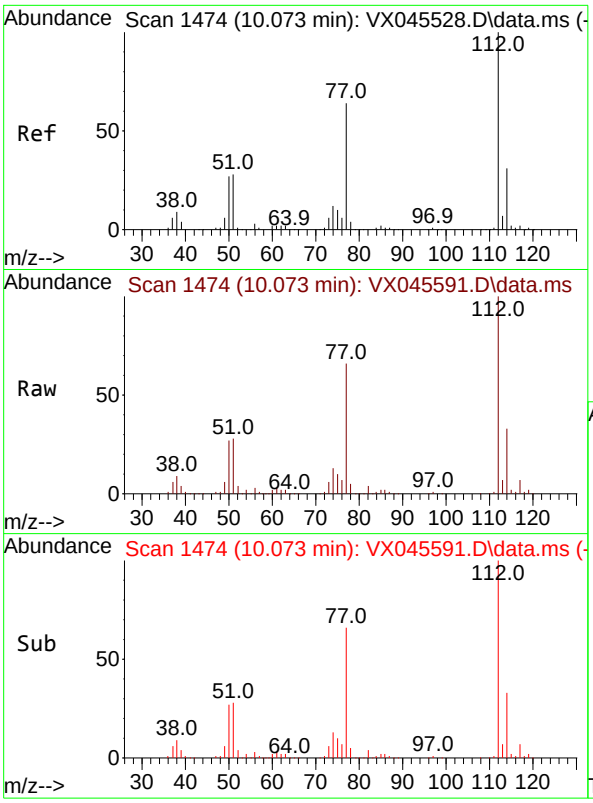


#64
Tetrachloroethene
Concen: 46.109 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:164 Resp: 44500

Ion	Ratio	Lower	Upper
164	100		
166	125.9	103.8	155.8
129	105.0	84.3	126.5
131	96.1	80.9	121.3

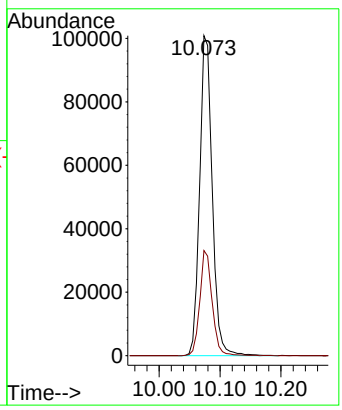




#65
Chlorobenzene
Concen: 49.720 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:112 Resp: 14523

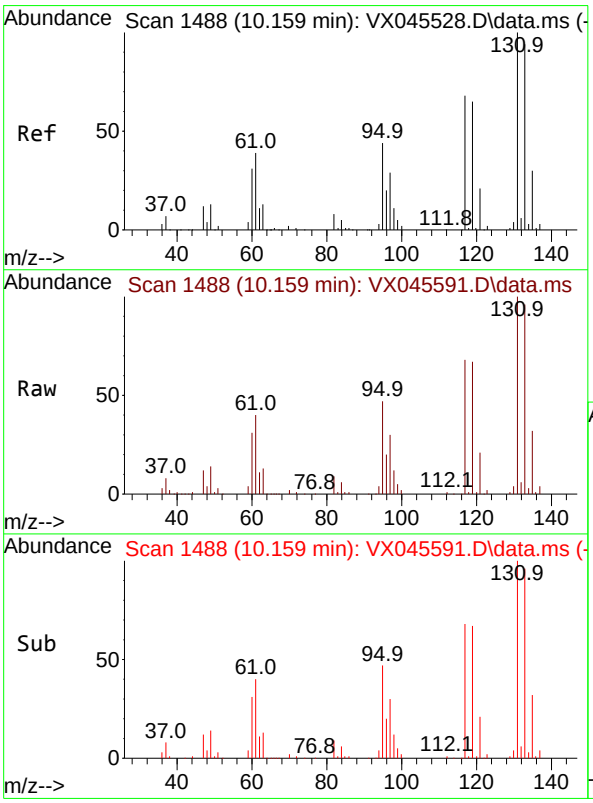
Ion	Ratio	Lower	Upper
112	100		
114	32.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

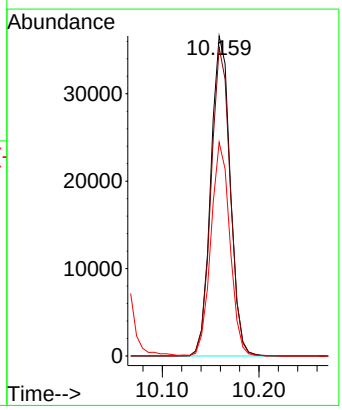
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

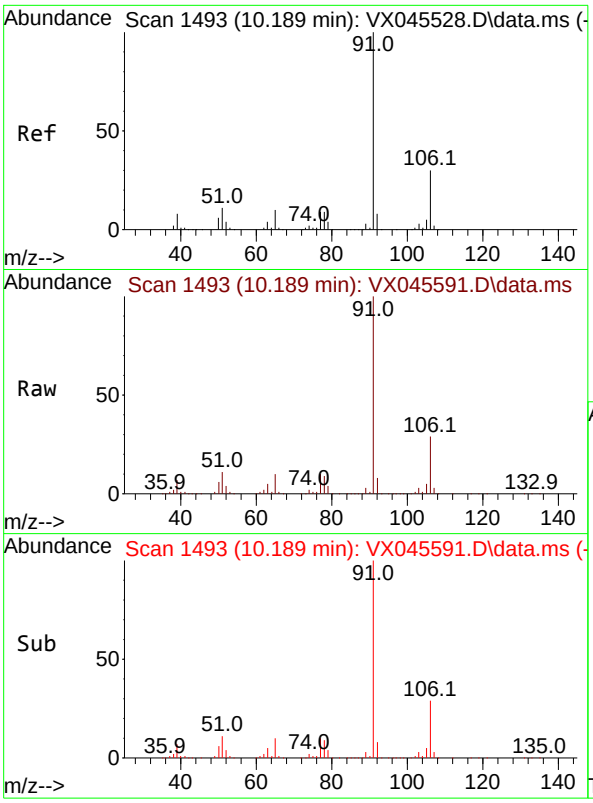


#66
1,1,1,2-Tetrachloroethane
Concen: 50.223 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:131 Resp: 50931

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.5	142.5
119	65.4	32.9	98.6

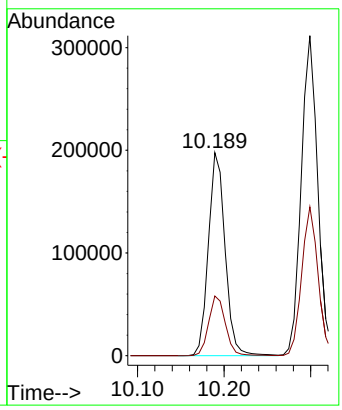




#67
Ethyl Benzene
Concen: 50.652 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 91 Resp: 26498

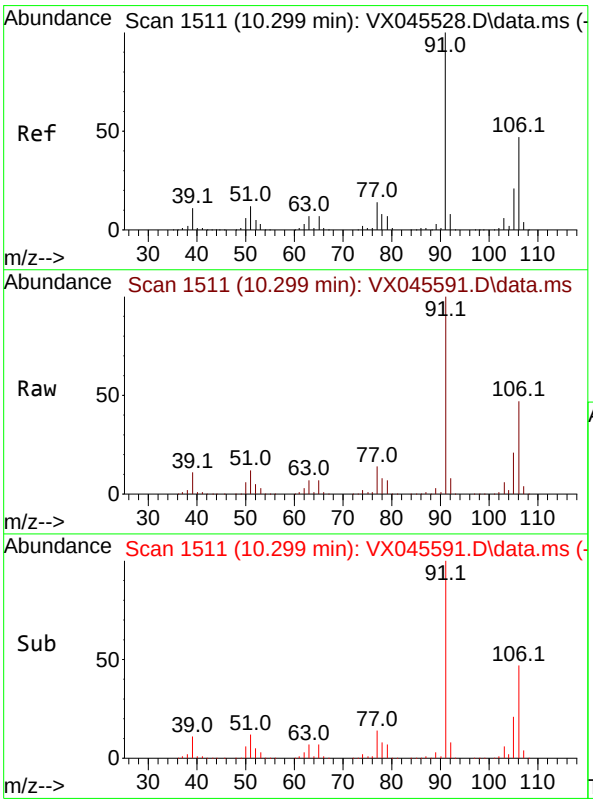
Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.7	35.5



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

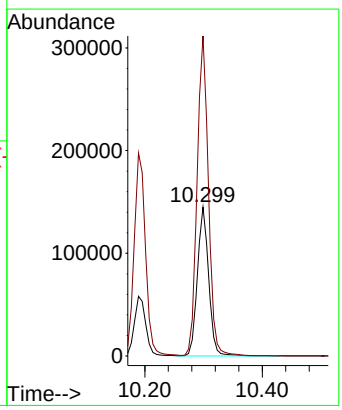
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

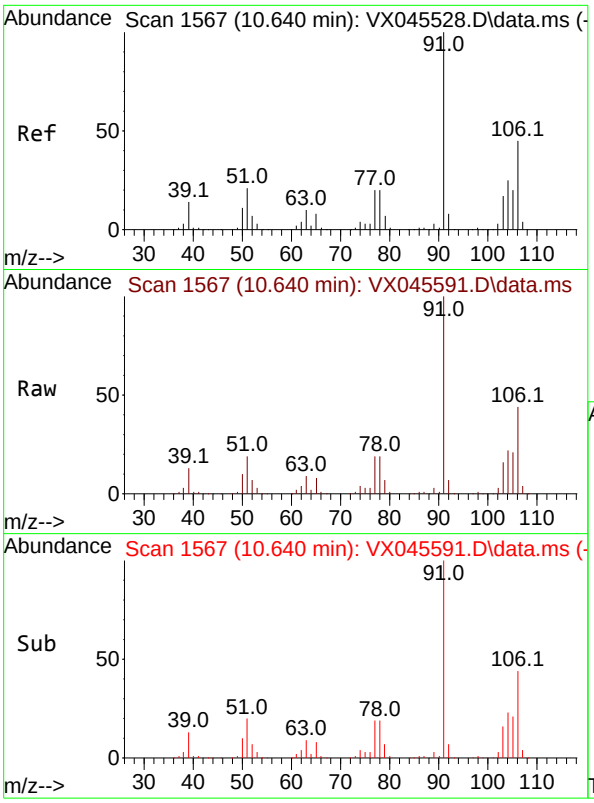


#68
m/p-Xylenes
Concen: 101.535 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:106 Resp: 193193

Ion	Ratio	Lower	Upper
106	100		
91	215.8	172.6	258.8

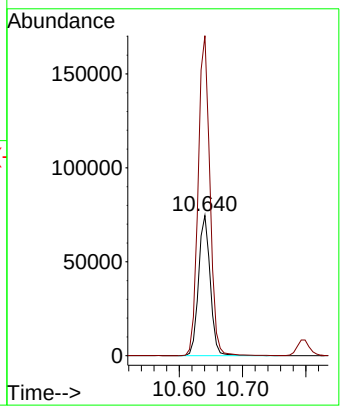




#69
o-Xylene
Concen: 51.166 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:106 Resp: 9590

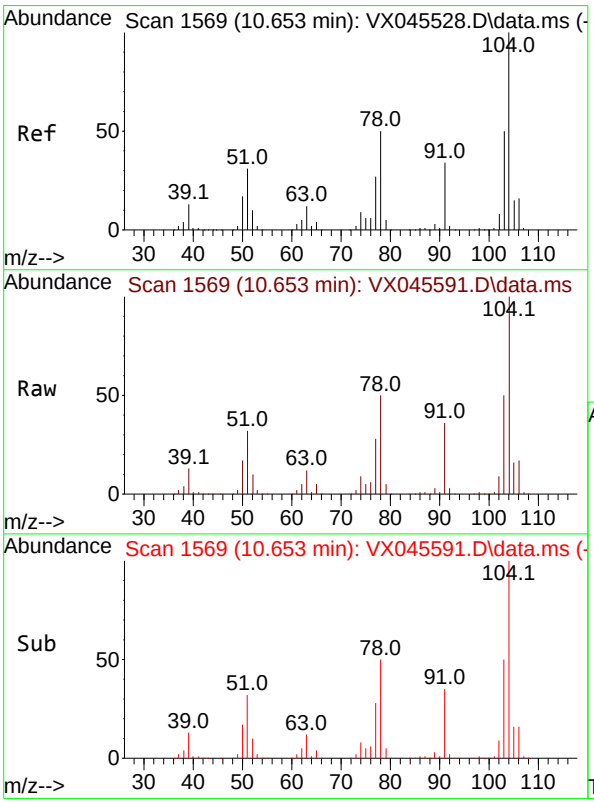
Ion	Ratio	Lower	Upper
106	100		
91	230.0	113.6	340.6



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

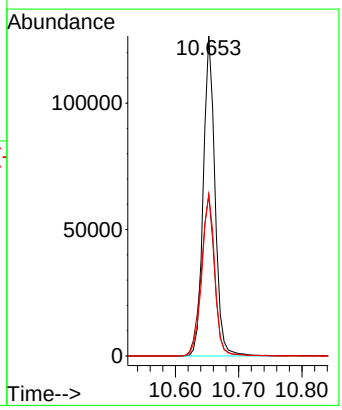
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

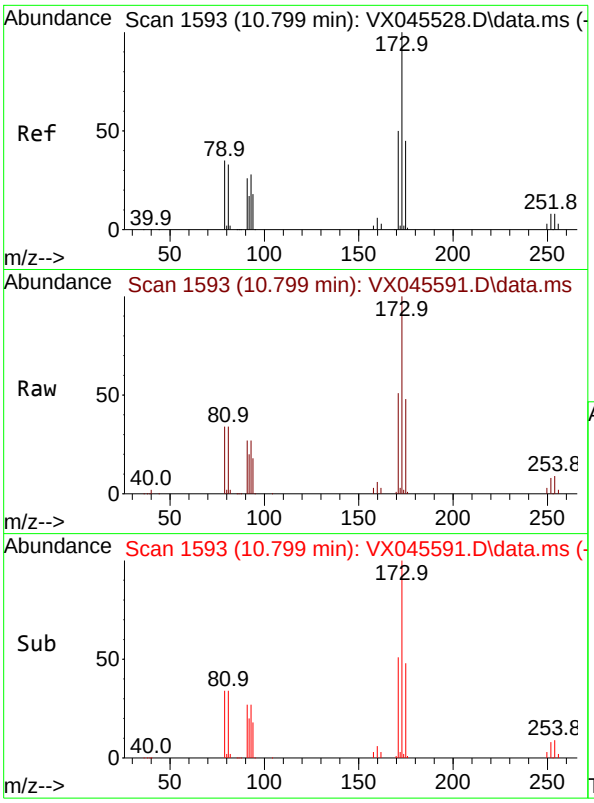


#70
Styrene
Concen: 52.762 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:104 Resp: 163226

Ion	Ratio	Lower	Upper
104	100		
78	57.1	45.4	68.2
103	56.0	43.8	65.8

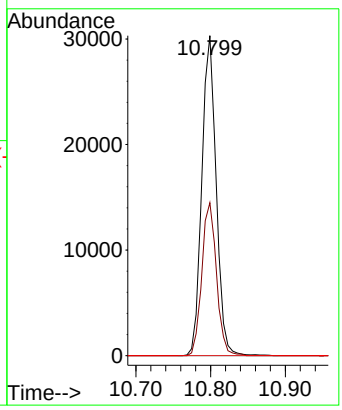




#71
Bromoform
Concen: 53.418 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:173 Resp: 4044

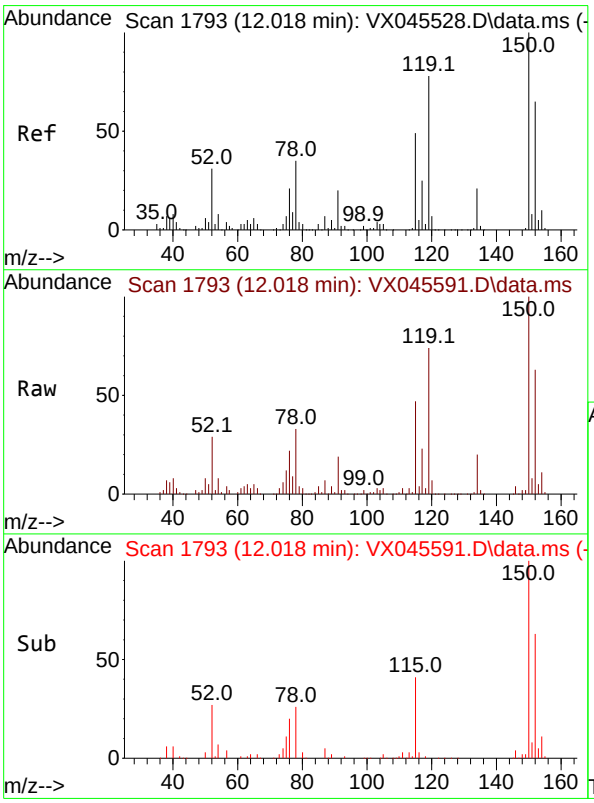
Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.4	70.2
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

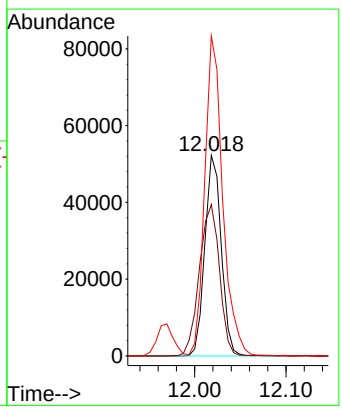
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

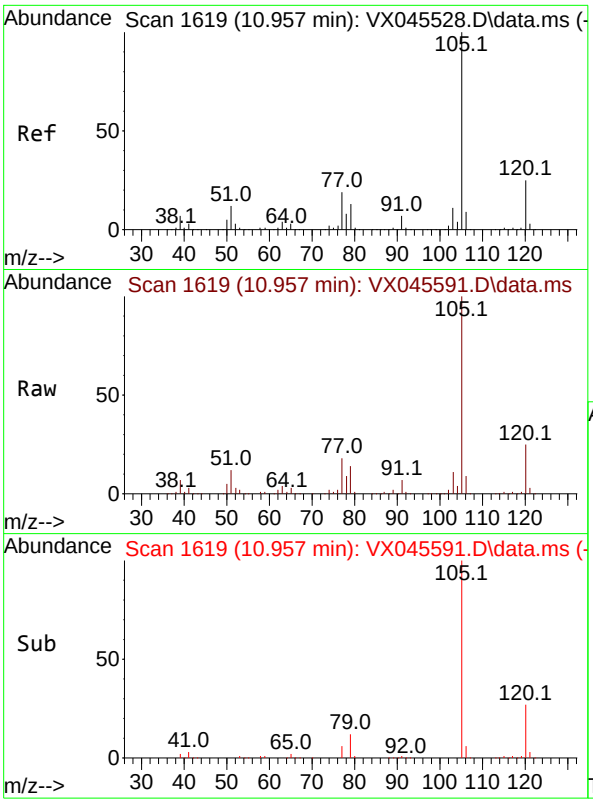


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:152 Resp: 64924

Ion	Ratio	Lower	Upper
152	100		
115	93.0	46.9	140.7
150	174.8	0.0	349.4





#73
Isopropylbenzene
Concen: 48.431 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

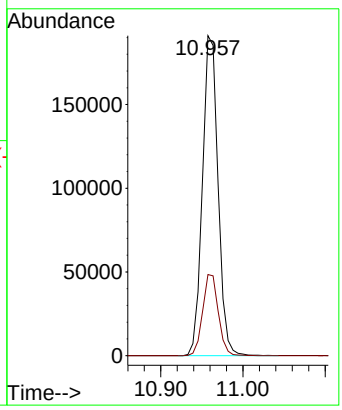
Tgt Ion:105 Resp: 25186

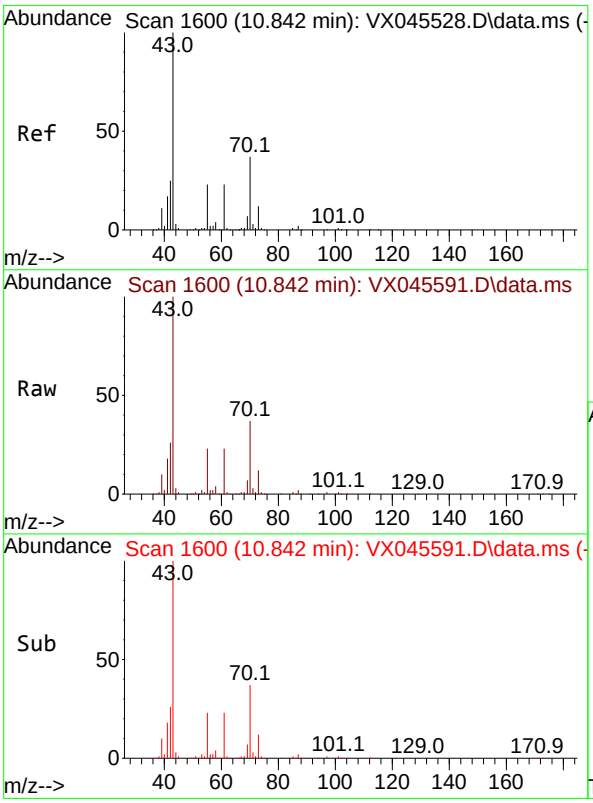
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

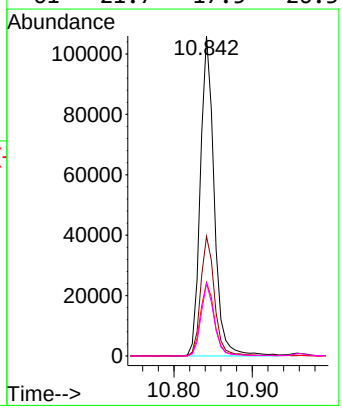


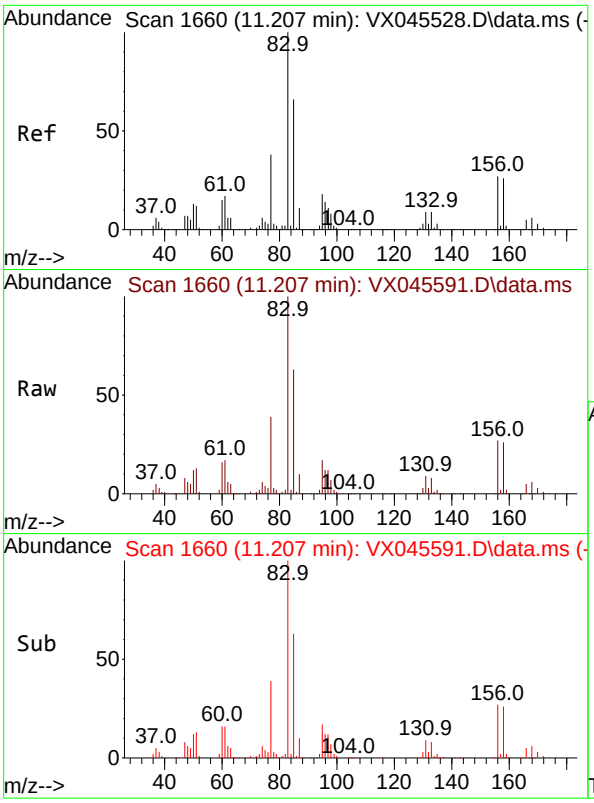


#74
N-amyl acetate
Concen: 52.306 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 43 Resp: 130118

Ion	Ratio	Lower	Upper
43	100		
70	37.3	30.1	45.1
55	23.7	18.3	27.5
61	21.7	17.5	26.3

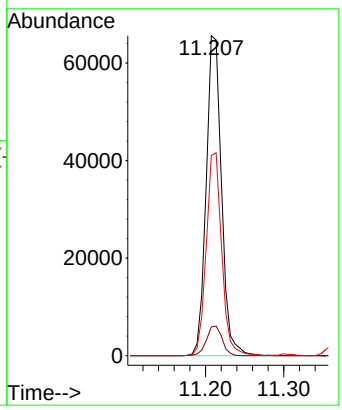




#75
1,1,2,2-Tetrachloroethane
Concen: 48.819 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 83 Resp: 8918

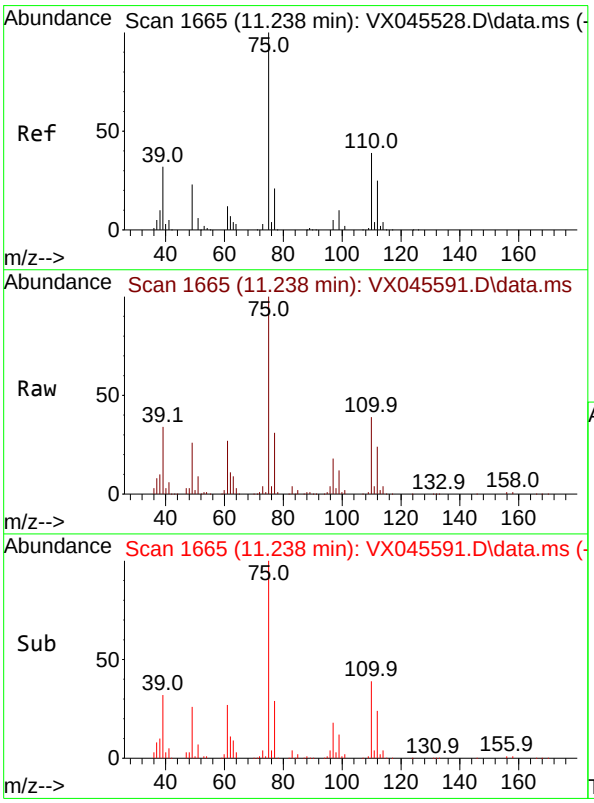
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	63.9	32.4	97.2



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

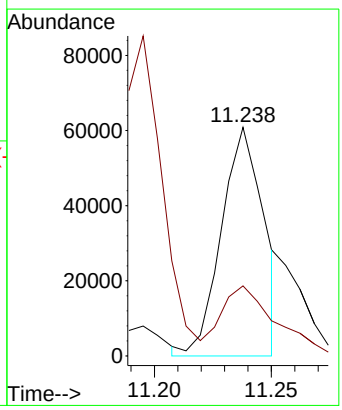
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

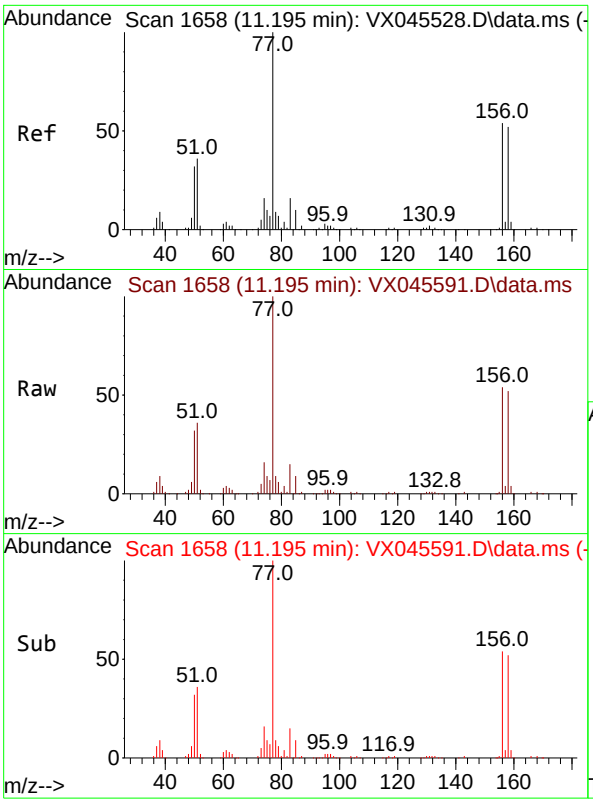


#76
1,2,3-Trichloropropane
Concen: 48.466 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 75 Resp: 76754

Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.0	59.9

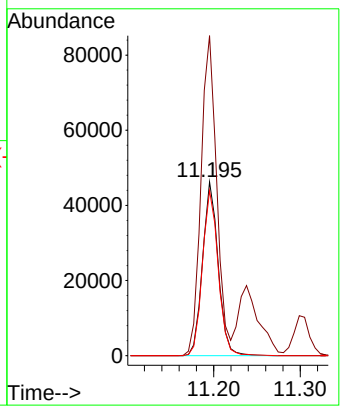




#77
Bromobenzene
Concen: 48.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:156 Resp: 5797

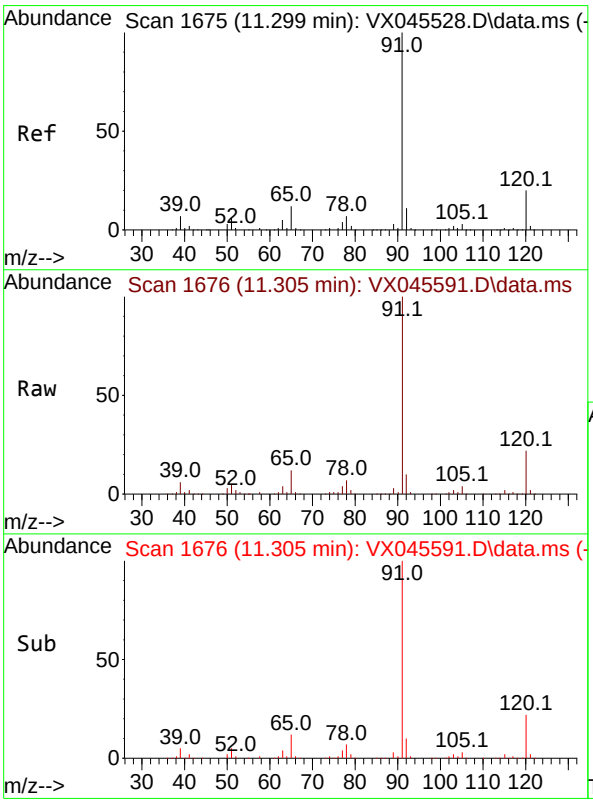
Ion	Ratio	Lower	Upper
156	100		
77	185.1	92.6	277.8
158	96.0	48.1	144.4



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

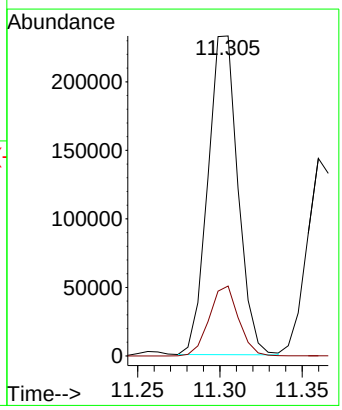
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

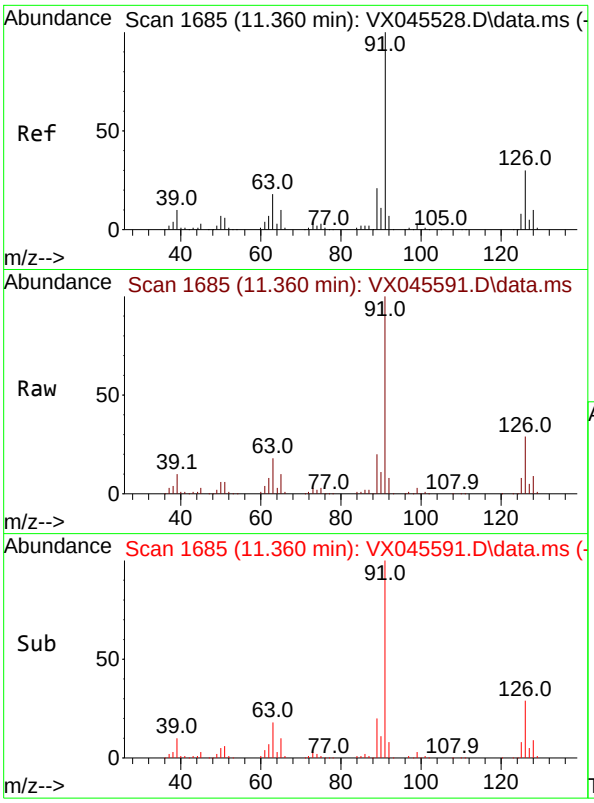


#78
n-propylbenzene
Concen: 49.387 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 91 Resp: 295835

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





#79
2-Chlorotoluene
Concen: 48.369 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

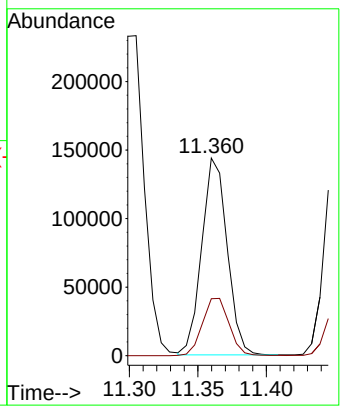
Tgt Ion: 91 Resp: 18522

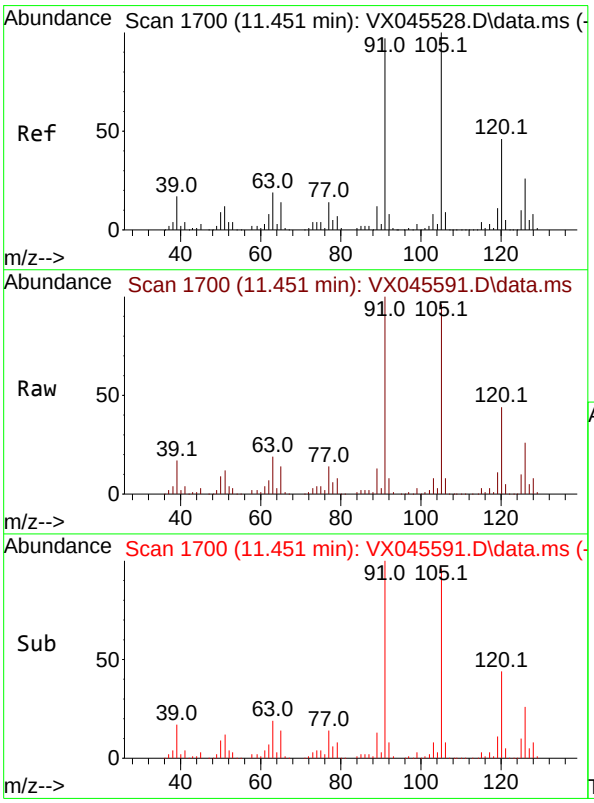
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.8	47.4

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

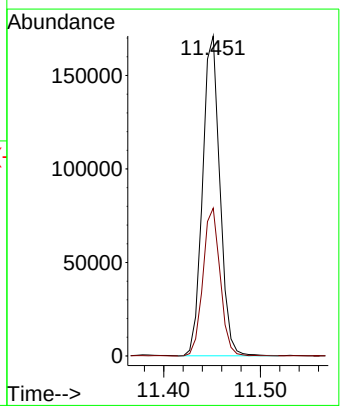


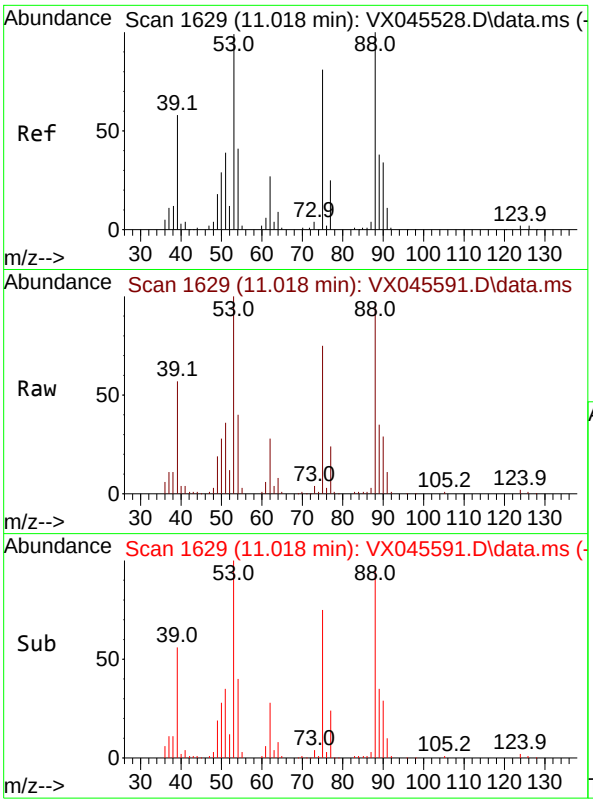


#80
1,3,5-Trimethylbenzene
Concen: 49.619 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:105 Resp: 213377

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 49.201 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

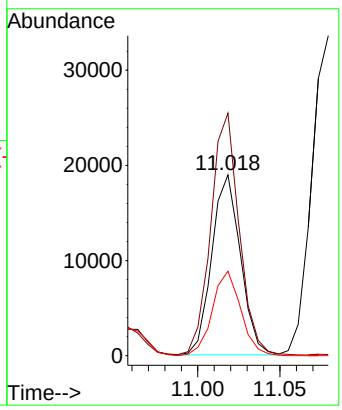
Tgt Ion: 75 Resp: 2295

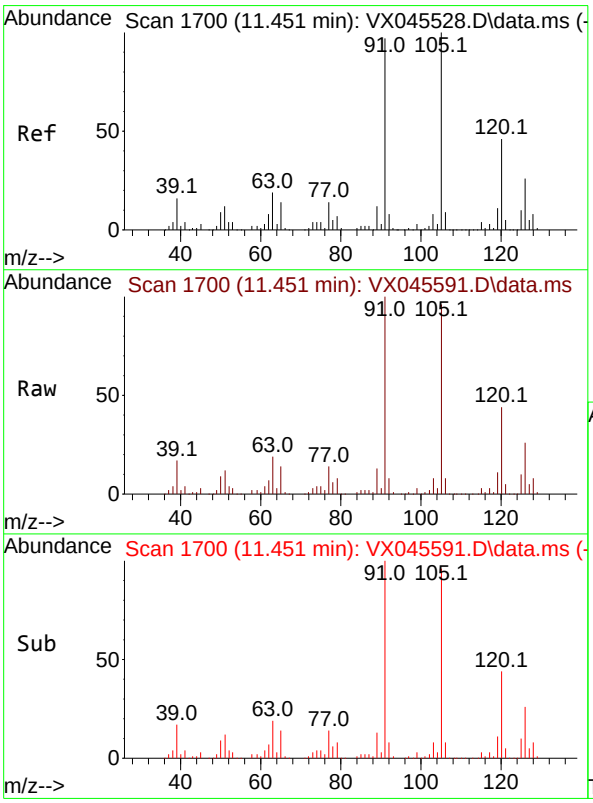
Ion	Ratio	Lower	Upper
75	100		
53	132.8	101.8	152.6
89	46.6	37.2	55.8

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

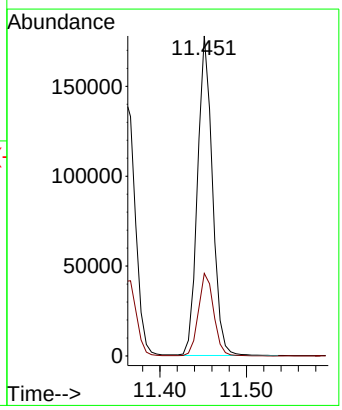


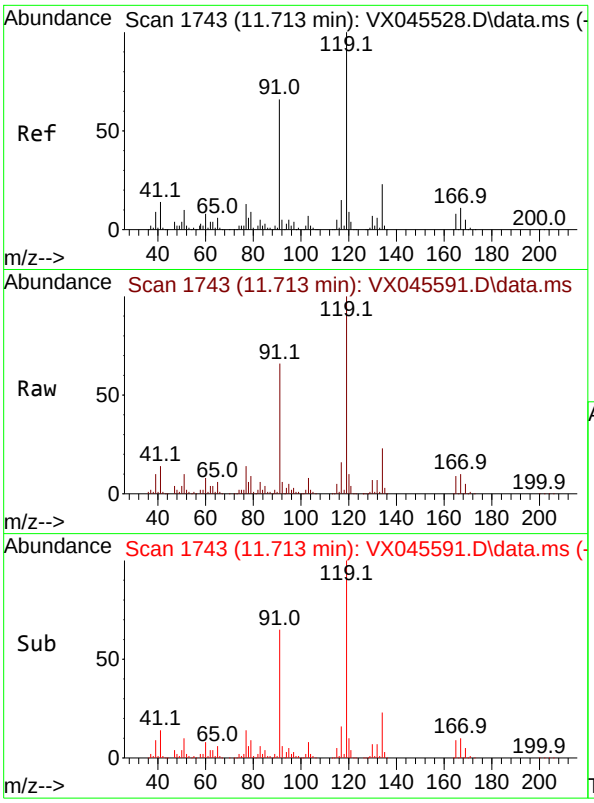


#82
4-Chlorotoluene
Concen: 49.723 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 91 Resp: 212300

Ion	Ratio	Lower	Upper
91	100		
126	26.6	13.3	39.9

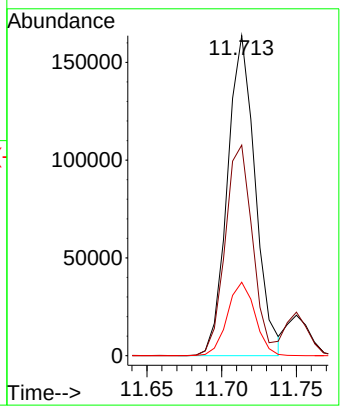




#83
tert-Butylbenzene
Concen: 49.658 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:119 Resp: 21141

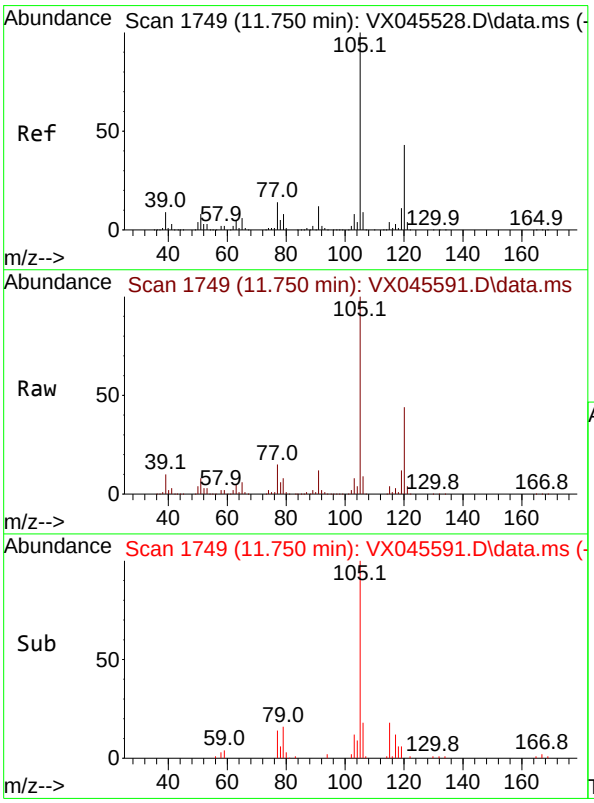
Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.4	97.2
134	22.9	11.5	34.5



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

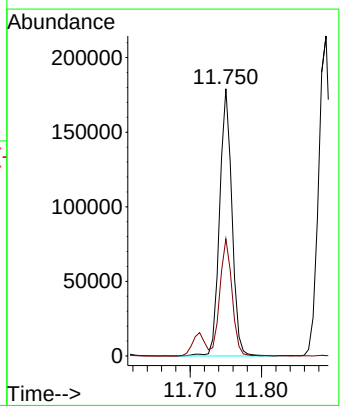
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

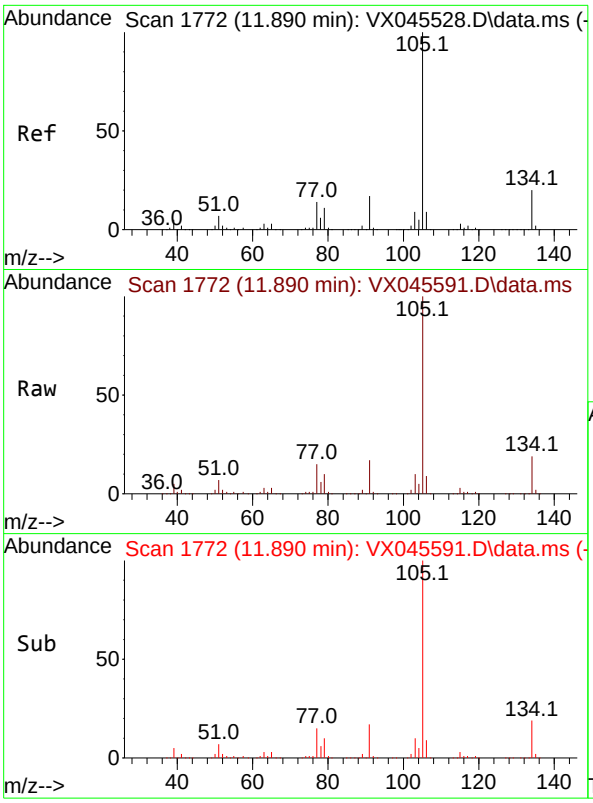


#84
1,2,4-Trimethylbenzene
Concen: 49.627 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:105 Resp: 214201

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.4	64.3

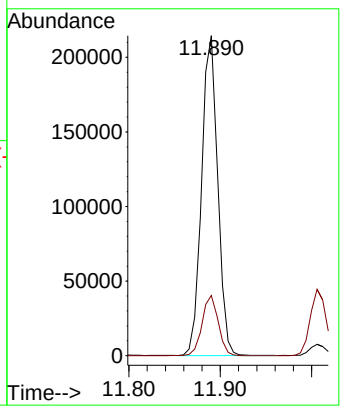




#85
sec-Butylbenzene
Concen: 50.337 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:105 Resp: 26322

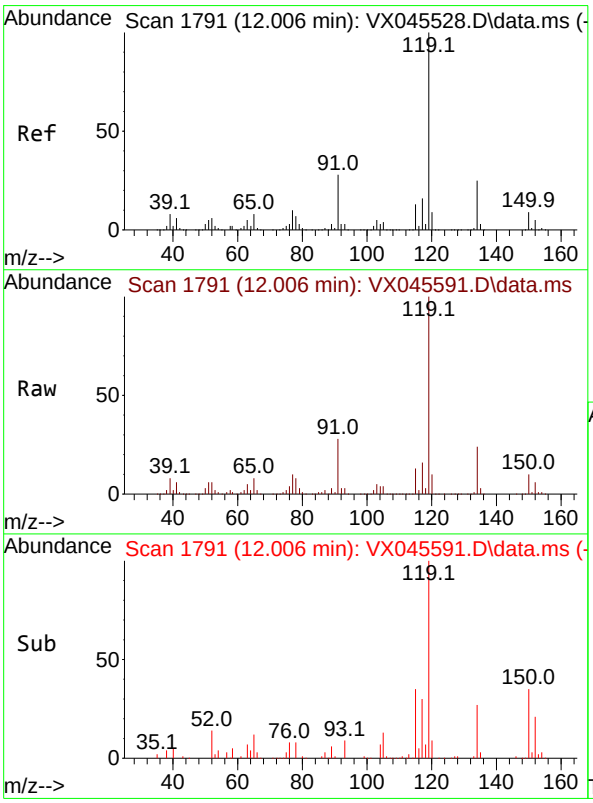
Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.6	28.6



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

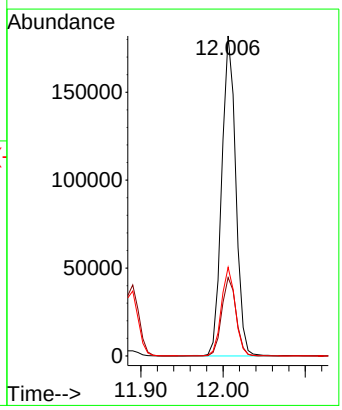
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

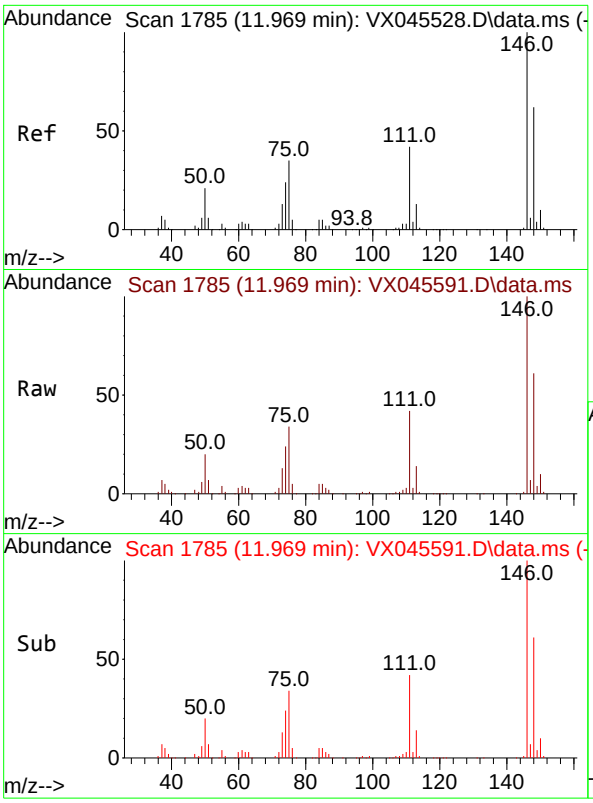


#86
p-Isopropyltoluene
Concen: 50.074 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:119 Resp: 215878

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.8
91	27.5	13.7	41.1





#87
1,3-Dichlorobenzene
Concen: 48.200 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

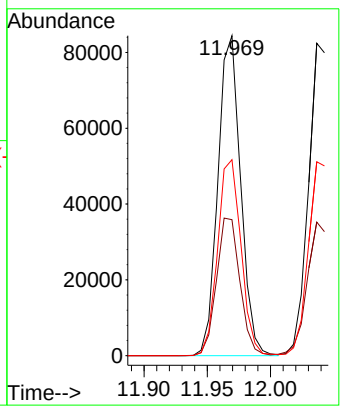
Tgt Ion:146 Resp: 10542

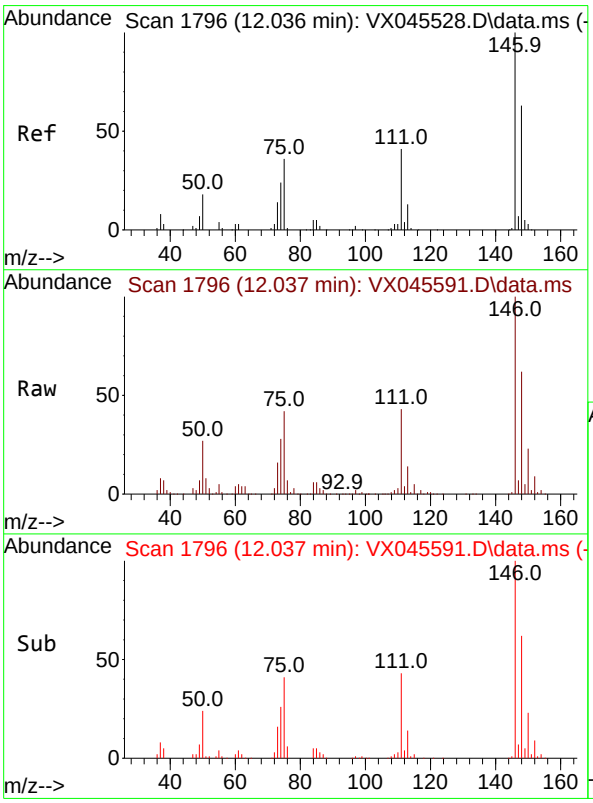
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.1	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

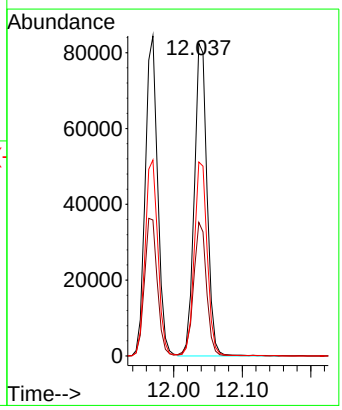


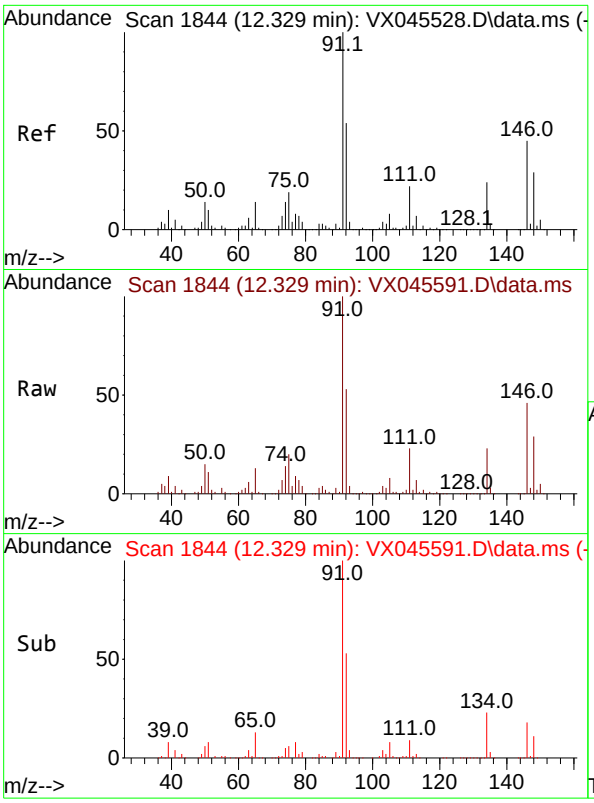


#88
1,4-Dichlorobenzene
Concen: 48.117 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:146 Resp: 106695

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.9	62.8
148	62.8	31.5	94.5





#89
n-Butylbenzene
Concen: 51.887 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

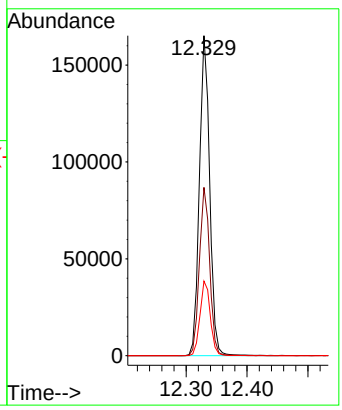
Tgt Ion: 91 Resp: 19397

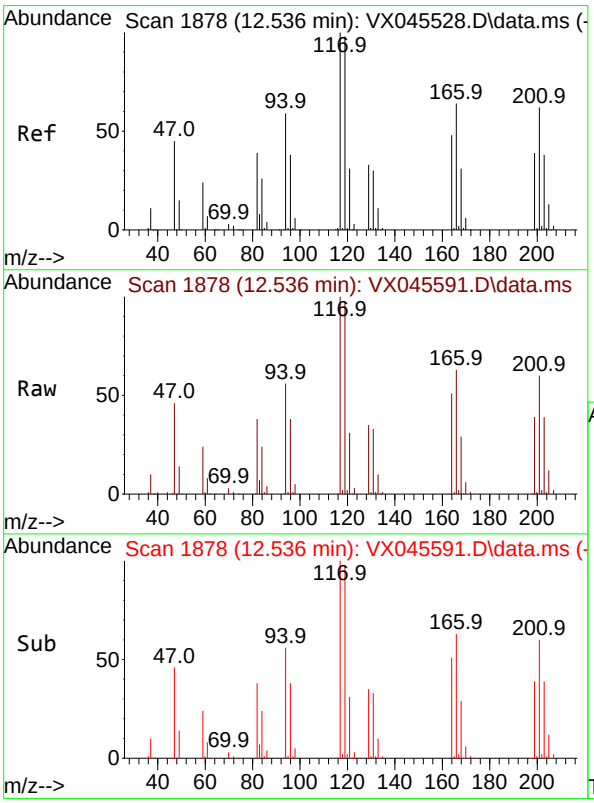
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.9	80.6
134	23.5	11.9	35.7

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

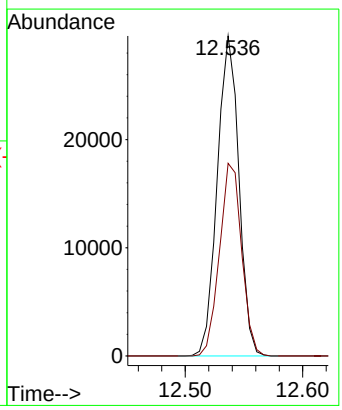


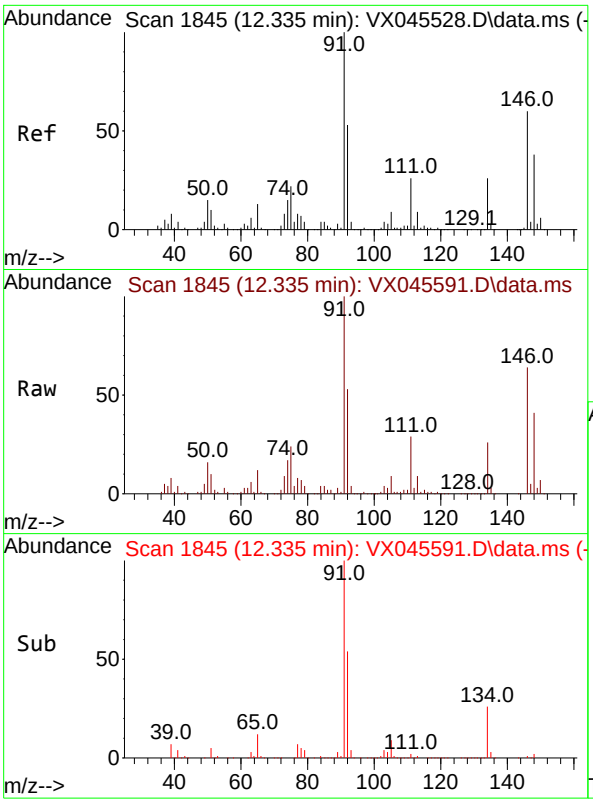


#90
Hexachloroethane
Concen: 51.044 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:117 Resp: 37819

Ion	Ratio	Lower	Upper
117	100		
201	61.8	31.2	93.6

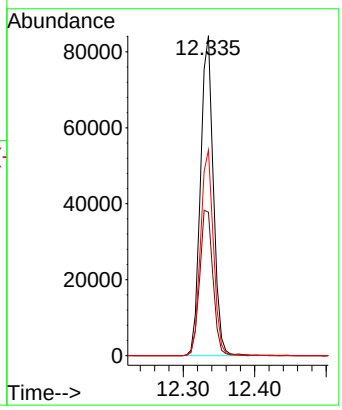




#91
1,2-Dichlorobenzene
Concen: 48.446 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:146 Resp: 10535

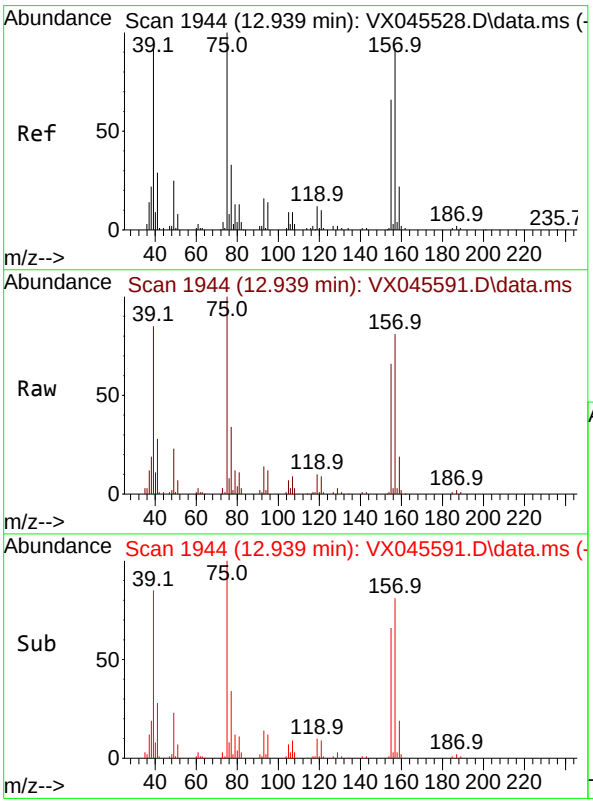
Ion	Ratio	Lower	Upper
146	100		
111	47.0	22.9	68.8
148	64.4	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

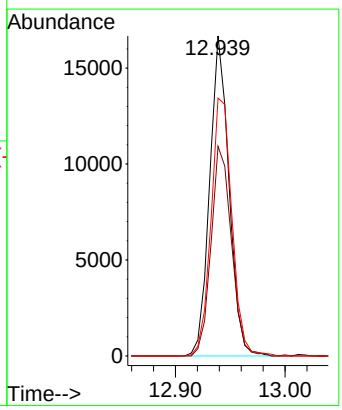
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

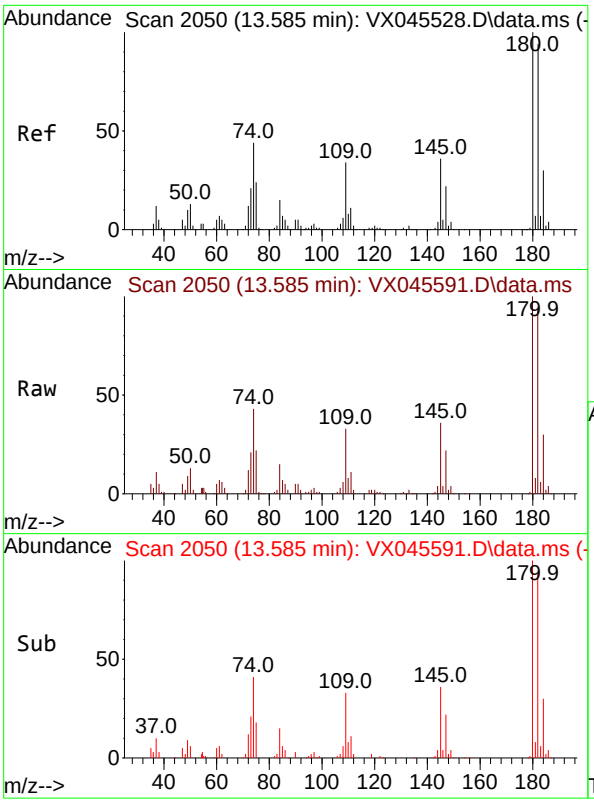


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.397 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion: 75 Resp: 20401

Ion	Ratio	Lower	Upper
75	100		
155	69.1	34.9	104.7
157	87.4	44.9	134.7

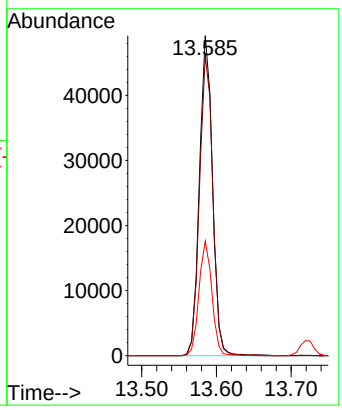




#93
1,2,4-Trichlorobenzene
Concen: 49.234 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:180 Resp: 5959

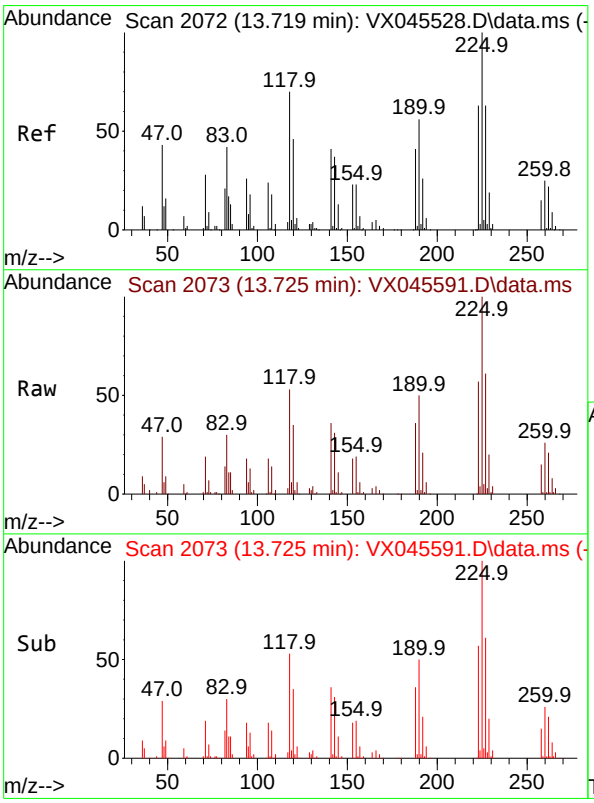
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.6
145	35.7	17.9	53.8



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

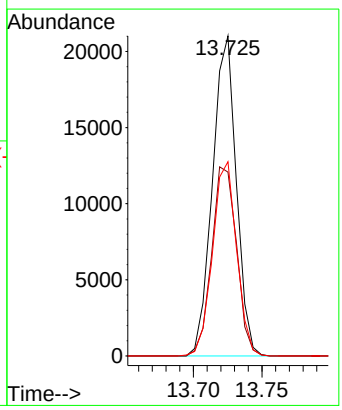
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

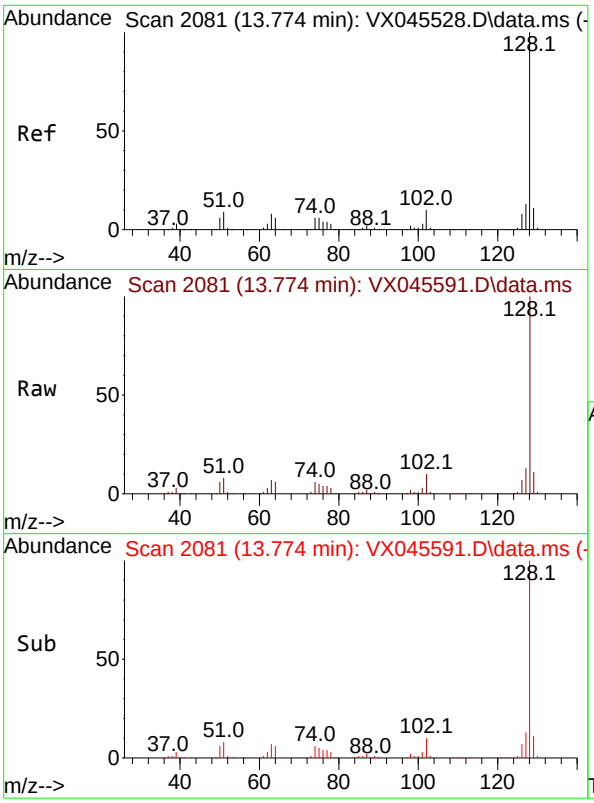


#94
Hexachlorobutadiene
Concen: 48.691 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:225 Resp: 25397

Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.1	93.3
227	61.3	32.2	96.6

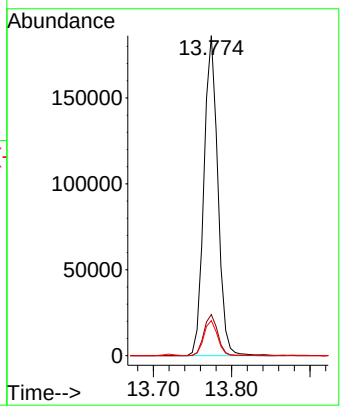




#95
Naphthalene
Concen: 50.831 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:128 Resp: 22896

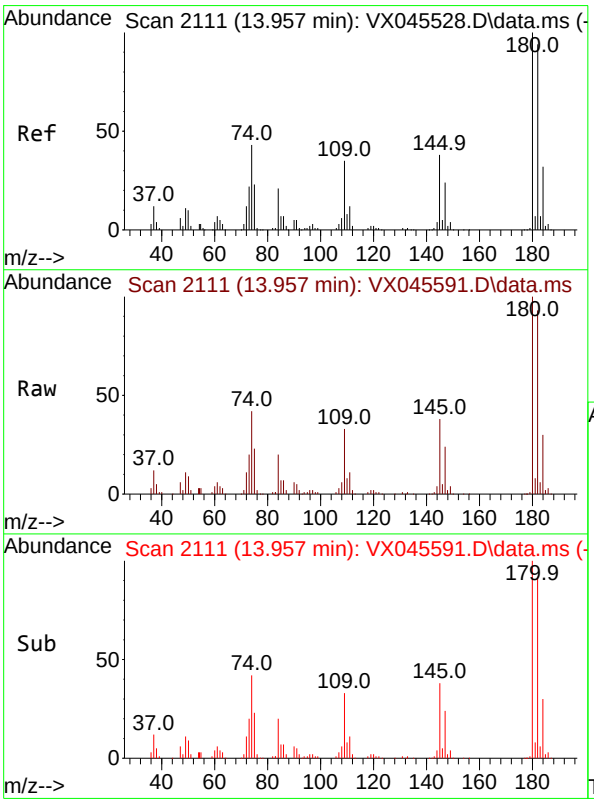
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MS

Manual Integrations
APPROVED

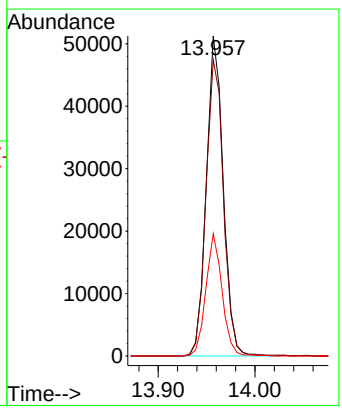
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.248 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045591.D
Acq: 04 Apr 2025 12:04

Tgt Ion:180 Resp: 62422

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.8
145	36.7	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:	04/02/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/02/25
Client Sample ID:	MW-18B-56-040225MSD	SDG No.:	Q1711
Lab Sample ID:	Q1711-03MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045577.D	10		04/03/25 17:33	VX040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	480		2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	430		2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	420		2.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1100		1.90	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	420		2.00	10.0	ug/L
71-43-2	Benzene	420		1.50	10.0	ug/L
107-06-2	1,2-Dichloroethane	430		2.20	10.0	ug/L
79-01-6	Trichloroethene	740		0.93	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	430		2.10	10.0	ug/L
127-18-4	Tetrachloroethene	400		2.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	44.8		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	44.8		70 (86) - 130 (113)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	69200	5.55			
540-36-3	1,4-Difluorobenzene	124000	6.757			
3114-55-4	Chlorobenzene-d5	109000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	51000	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\VX040325\
Data File : VX045577.D
Acq On : 03 Apr 2025 17:33
Operator : JC/MD
Sample : Q1711-03MSD 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 01:26:51 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 :
MW-18B-56-040225MSD

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	69182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124452	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	109108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59319	46.887	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.780%			
35) Dibromofluoromethane	5.385	113	39562	44.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.600%			
50) Toluene-d8	8.647	98	138195	44.840	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.680%			
62) 4-Bromofluorobenzene	11.079	95	51613	45.976	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	47385	45.800	ug/l	98
3) Chloromethane	1.307	50	48184	45.333	ug/l	99
4) Vinyl Chloride	1.374	62	46952	48.269	ug/l	99
5) Bromomethane	1.593	94	19170	41.564	ug/l	99
6) Chloroethane	1.660	64	22694	43.974	ug/l	100
7) Trichlorofluoromethane	1.874	101	62192	42.876	ug/l	98
8) Diethyl Ether	2.136	74	20167	41.412	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	36175	42.560	ug/l	97
10) Methyl Iodide	2.441	142	46035	43.422	ug/l	100
11) Tert butyl alcohol	2.989	59	33642	197.862	ug/l	100
12) 1,1-Dichloroethene	2.306	96	35734	43.026	ug/l	97
13) Acrolein	2.233	56	56800	242.590	ug/l	99
14) Allyl chloride	2.660	41	67571	42.879	ug/l	99
15) Acrylonitrile	3.062	53	118586	220.948	ug/l	99
16) Acetone	2.386	43	113493	218.462	ug/l	98
17) Carbon Disulfide	2.502	76	83677	40.793	ug/l	99
18) Methyl Acetate	2.703	43	51227	42.828	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	118298	40.718	ug/l	97
20) Methylene Chloride	2.782	84	41717	42.893	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	35999	42.427	ug/l	99
22) Diisopropyl ether	3.757	45	126501	40.752	ug/l #	83
23) Vinyl Acetate	3.721	43	579979	216.251	ug/l	100
24) 1,1-Dichloroethane	3.605	63	73743	42.006	ug/l	98
25) 2-Butanone	4.556	43	166641	219.133	ug/l	99
26) 2,2-Dichloropropane	4.465	77	47107	41.532	ug/l	87
27) cis-1,2-Dichloroethene	4.483	96	113129	109.437	ug/l	94
28) Bromochloromethane	4.891	49	44030	51.901	ug/l	100
29) Tetrahydrofuran	5.007	42	110855	224.845	ug/l	99
30) Chloroform	5.086	83	76188	42.177	ug/l	98
31) Cyclohexane	5.464	56	63718	41.056	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	63504	41.547	ug/l	99
36) 1,1-Dichloropropene	5.684	75	48513	40.692	ug/l	98
37) Ethyl Acetate	4.715	43	61701	41.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	52678	40.884	ug/l	97
39) Methylcyclohexane	7.379	83	60427	41.348	ug/l	96
40) Benzene	6.031	78	151773	41.683	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045577.D
Acq On : 03 Apr 2025 17:33
Operator : JC/MD
Sample : Q1711-03MSD 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 01:26:51 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 :
MW-18B-56-040225MSD

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	35246	44.462 ug/l		99
42) 1,2-Dichloroethane	6.080	62	64394	42.819 ug/l		99
43) Isopropyl Acetate	6.342	43	93045	40.861 ug/l		100
44) Trichloroethene	7.123	130	64230	74.217 ug/l		98
45) 1,2-Dichloropropane	7.428	63	37608	41.396 ug/l		95
46) Dibromomethane	7.580	93	29576	42.409 ug/l		98
47) Bromodichloromethane	7.818	83	56518	40.580 ug/l		98
48) Methyl methacrylate	7.690	41	50434	42.896 ug/l		99
49) 1,4-Dioxane	7.659	88	18467	868.137 ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	327122	216.701 ug/l		99
52) Toluene	8.714	92	91494	41.527 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	48435	36.797 ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	53960	41.229 ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	37650	42.883 ug/l		96
56) Ethyl methacrylate	9.116	69	57438	42.272 ug/l		99
57) 1,3-Dichloropropane	9.305	76	65336	42.735 ug/l		99
59) 2-Hexanone	9.427	43	244980	219.150 ug/l		100
60) Dibromochloromethane	9.519	129	40295	42.099 ug/l		99
61) 1,2-Dibromoethane	9.610	107	38304	43.098 ug/l		97
64) Tetrachloroethene	9.269	164	30936	40.159 ug/l		99
65) Chlorobenzene	10.079	112	97984	42.027 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	33130	40.930 ug/l		99
67) Ethyl Benzene	10.189	91	174928	41.892 ug/l		99
68) m/p-Xylenes	10.299	106	129635	85.358 ug/l		99
69) o-Xylene	10.640	106	62955	42.080 ug/l		97
70) Styrene	10.653	104	107687	43.611 ug/l		99
71) Bromoform	10.799	173	24522	40.574 ug/l	#	95
73) Isopropylbenzene	10.957	105	167230	40.915 ug/l		100
74) N-amyl acetate	10.842	43	79786	40.809 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	58476	40.727 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	49248m	39.568 ug/l		
77) Bromobenzene	11.195	156	39023	41.322 ug/l		97
78) n-propylbenzene	11.305	91	194389	41.291 ug/l		100
79) 2-Chlorotoluene	11.360	91	122025	40.544 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	138429	40.958 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	13535	36.907 ug/l		90
82) 4-Chlorotoluene	11.451	91	140486	41.866 ug/l		99
83) tert-Butylbenzene	11.713	119	135774	40.577 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	140947	41.550 ug/l		99
85) sec-Butylbenzene	11.890	105	169765	41.307 ug/l		100
86) p-Isopropyltoluene	12.006	119	138266	40.807 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	68253	39.704 ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	68792	39.473 ug/l		98
89) n-Butylbenzene	12.329	91	123161	41.918 ug/l		99
90) Hexachloroethane	12.536	117	23387	40.163 ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	70002	40.959 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12616	42.015 ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	37705	39.634 ug/l		98
94) Hexachlorobutadiene	13.725	225	15843	38.647 ug/l		96
95) Naphthalene	13.774	128	144479	40.810 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	40388	40.543 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045577.D
Acq On : 03 Apr 2025 17:33
Operator : JC/MD
Sample : Q1711-03MSD 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 04 01:26:51 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 :
MW-18B-56-040225MSD

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

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

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

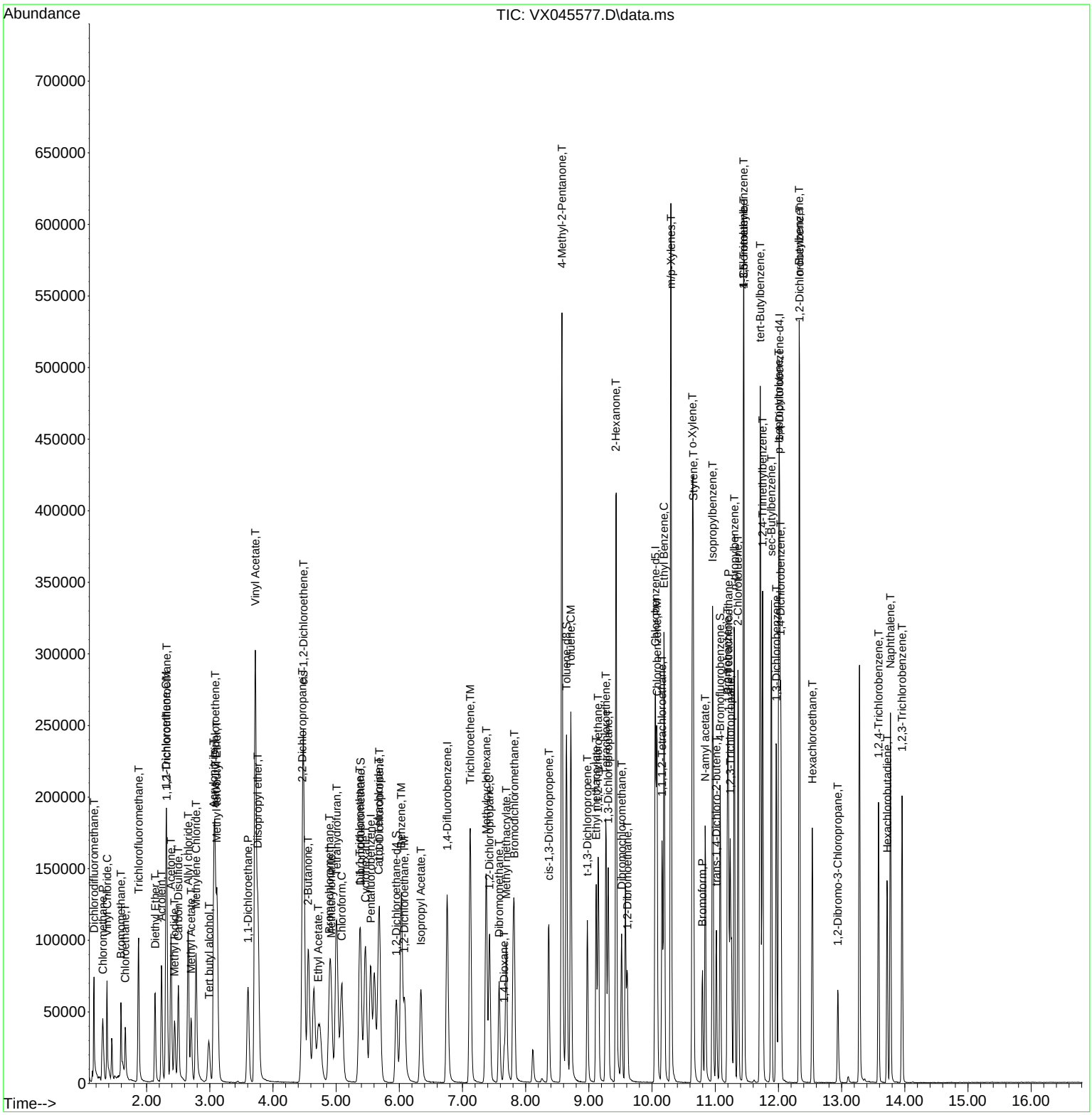
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
Data File : VX045577.D
Acq On : 03 Apr 2025 17:33
Operator : JC/MD
Sample : Q1711-03MSD 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

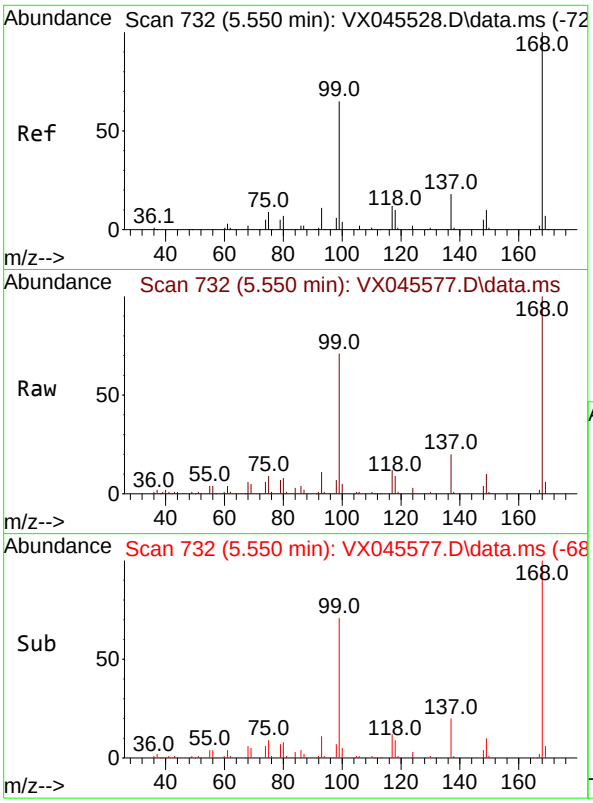
Quant Time: Apr 04 01:26:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

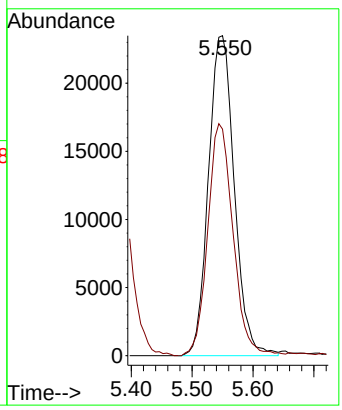




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:168 Resp: 6918

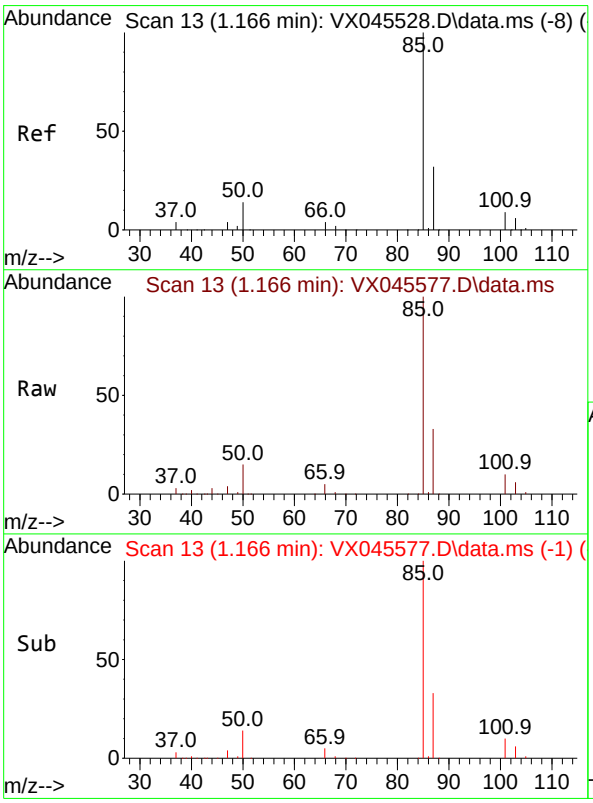
Ion	Ratio	Lower	Upper
168	100		
99	70.8	52.3	78.5



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

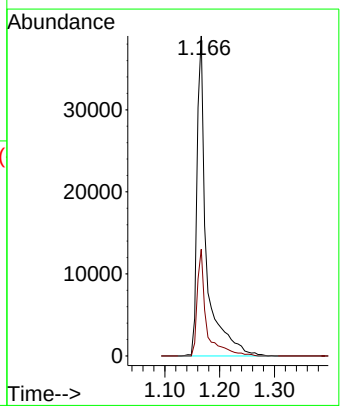
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

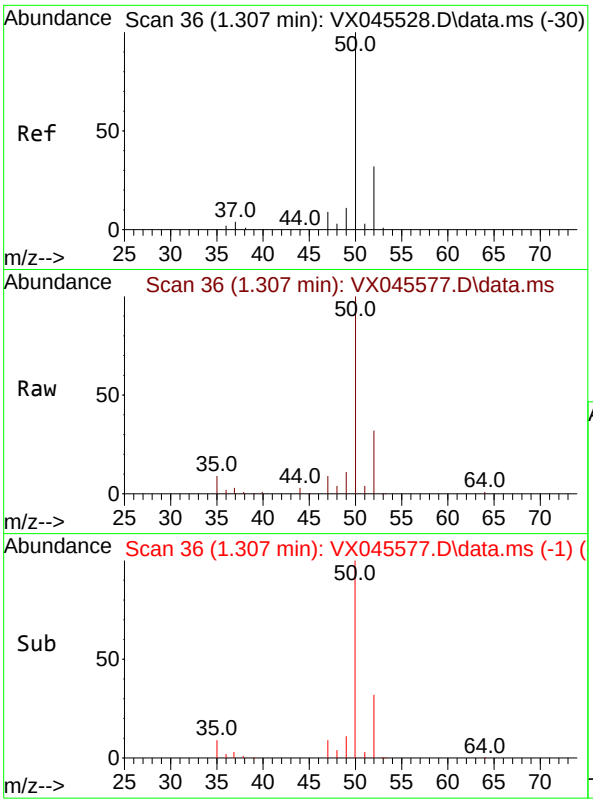


#2
Dichlorodifluoromethane
Concen: 45.800 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 85 Resp: 47385

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.1	48.2

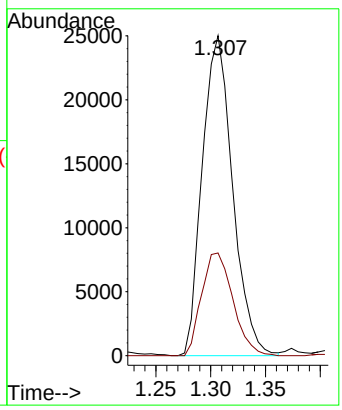




#3
Chloromethane
Concen: 45.333 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 50 Resp: 4818

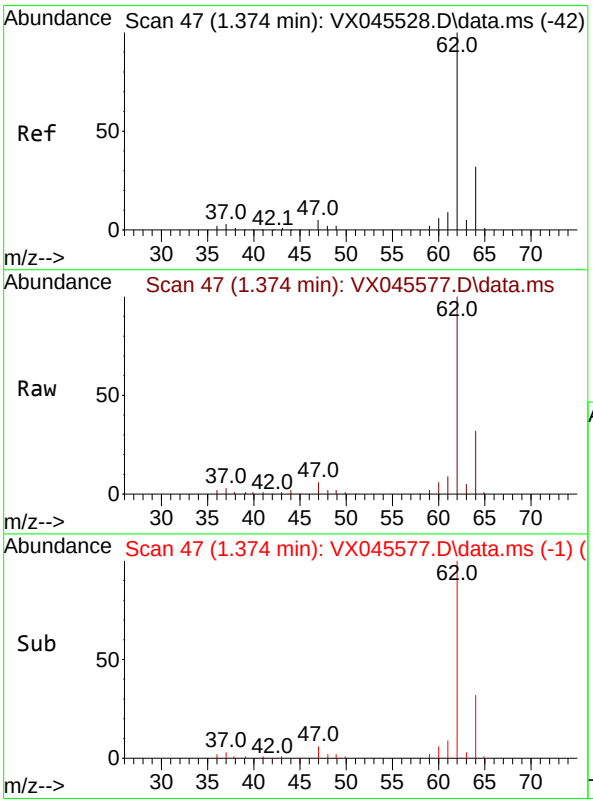
Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

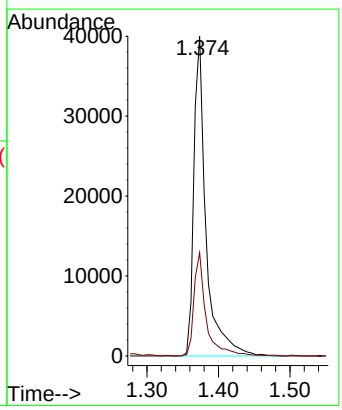
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

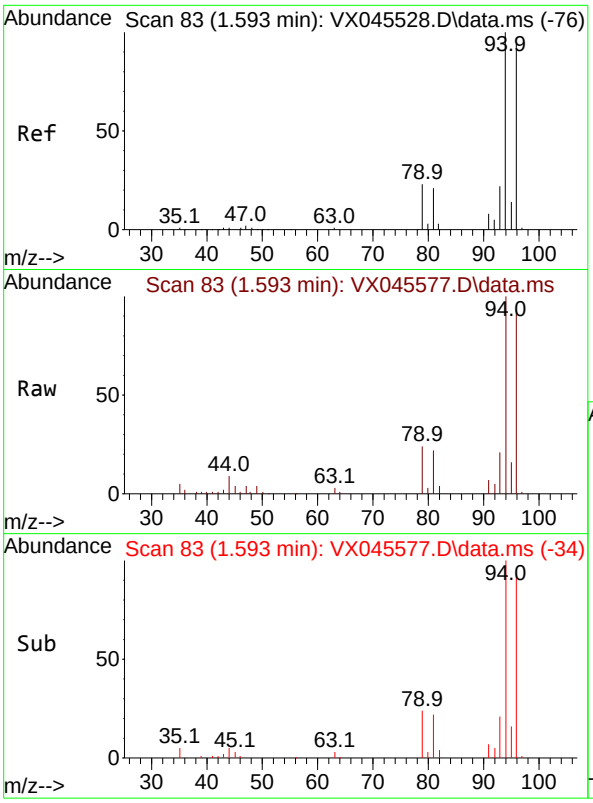


#4
Vinyl Chloride
Concen: 48.269 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 62 Resp: 46952

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.5	38.3

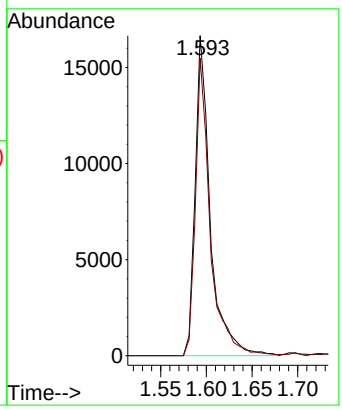




#5
Bromomethane
Concen: 41.564 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 94 Resp: 1917

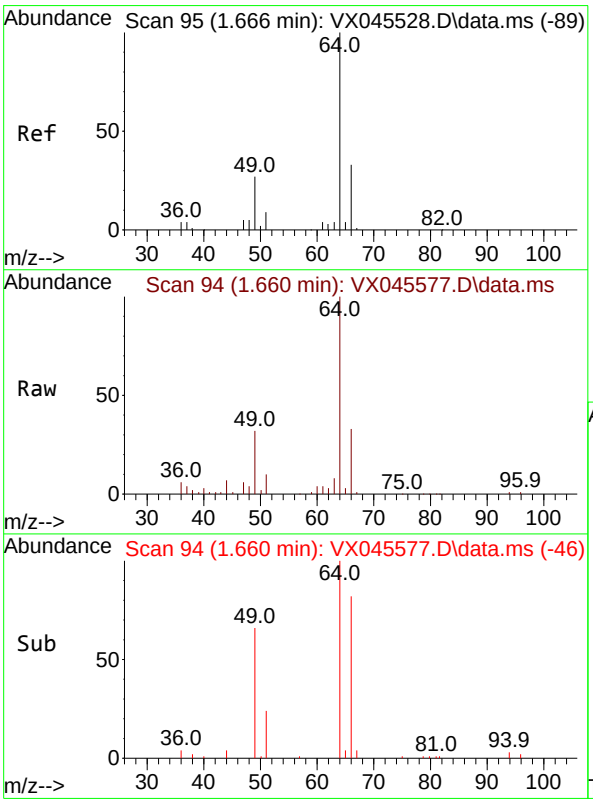
Ion	Ratio	Lower	Upper
94	100		
96	93.0	74.8	112.2



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

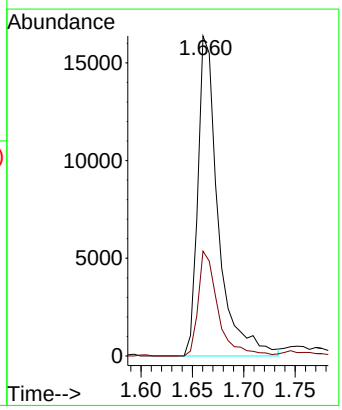
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

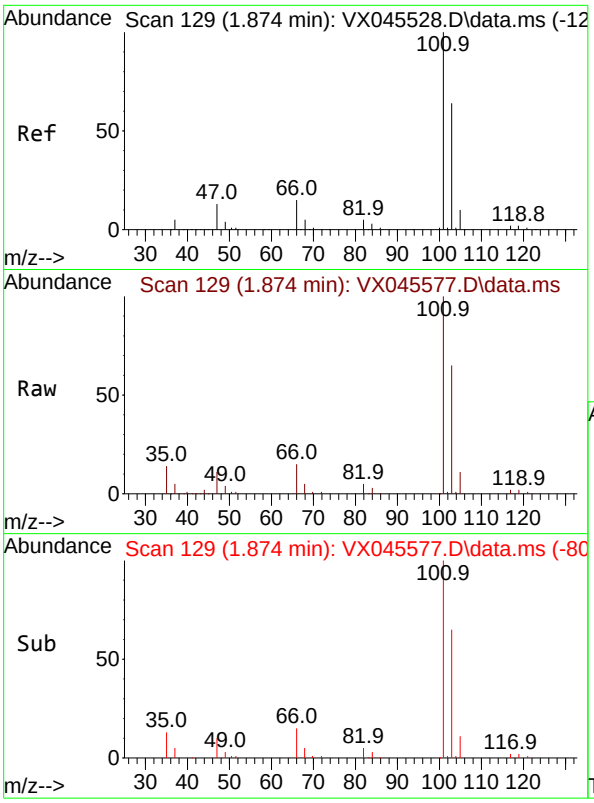


#6
Chloroethane
Concen: 43.974 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 64 Resp: 22694

Ion	Ratio	Lower	Upper
64	100		
66	32.8	26.3	39.5

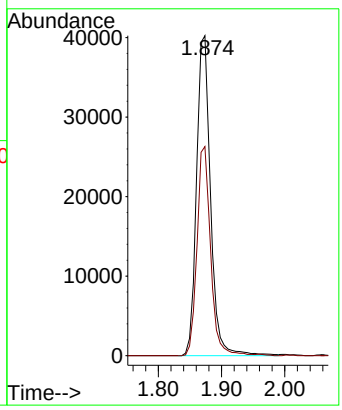




#7
Trichlorofluoromethane
Concen: 42.876 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:101 Resp: 6219

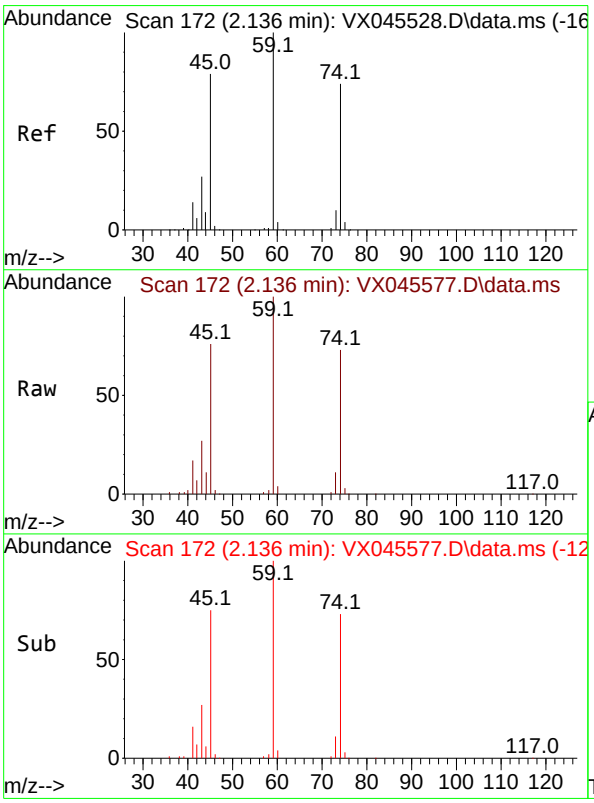
Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

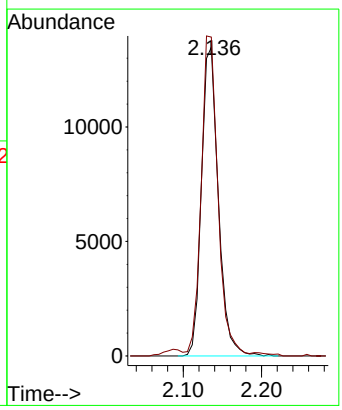
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

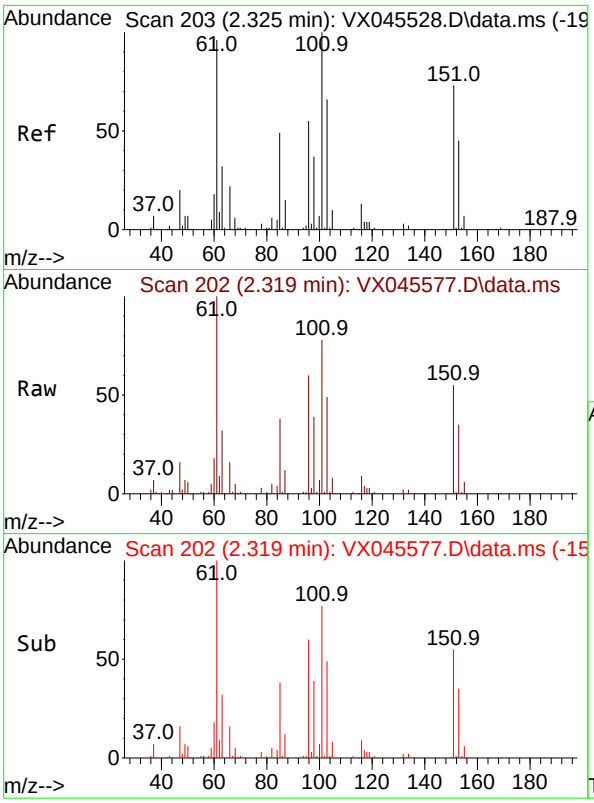


#8
Diethyl Ether
Concen: 41.412 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 74 Resp: 20167

Ion	Ratio	Lower	Upper
74	100		
45	101.3	53.0	159.1

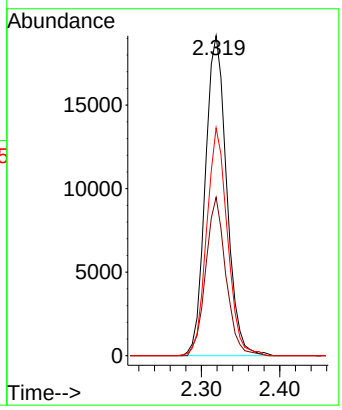




#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.560 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:101 Resp: 3617

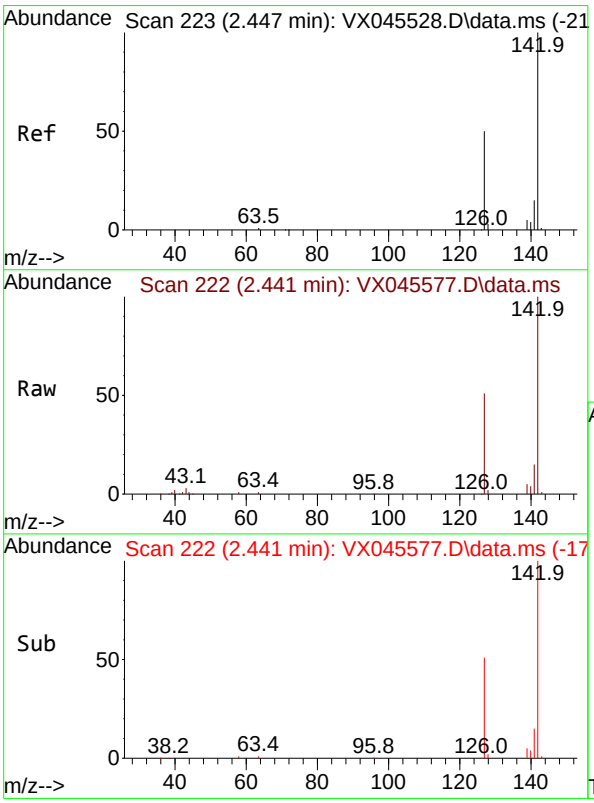
Ion	Ratio	Lower	Upper
101	100		
85	46.9	38.9	58.3
151	69.5	57.5	86.3



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

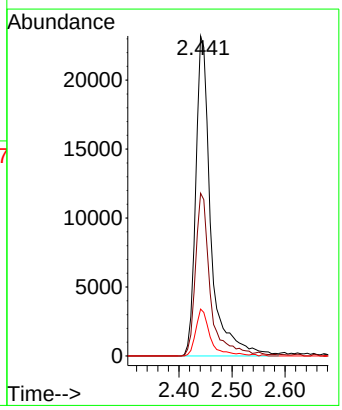
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

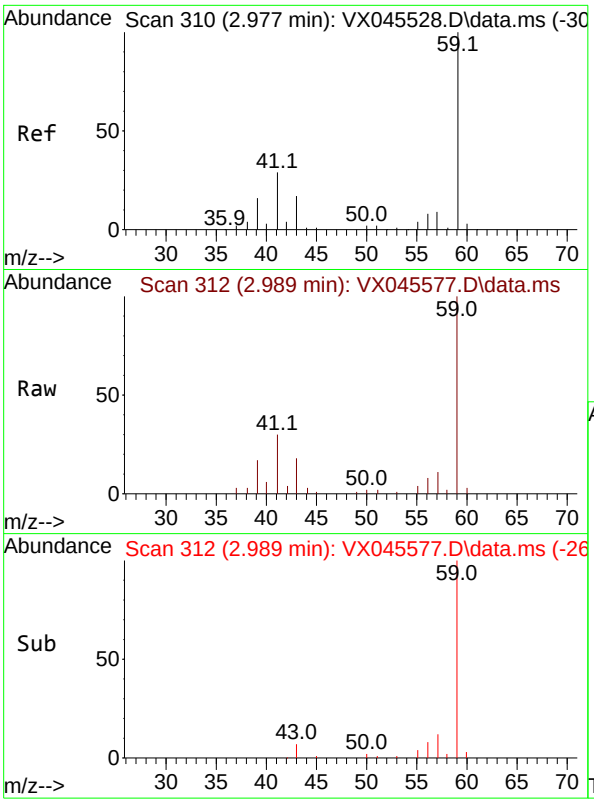


#10
Methyl Iodide
Concen: 43.422 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:142 Resp: 46035

Ion	Ratio	Lower	Upper
142	100		
127	50.4	40.2	60.4
141	14.1	11.7	17.5

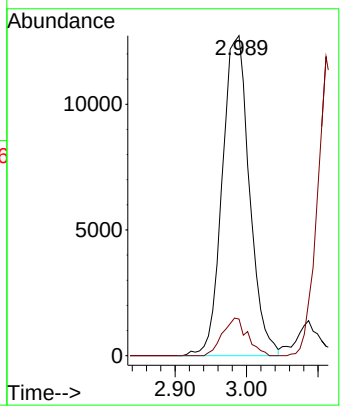




#11
Tert butyl alcohol
Concen: 197.862 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 59 Resp: 3364

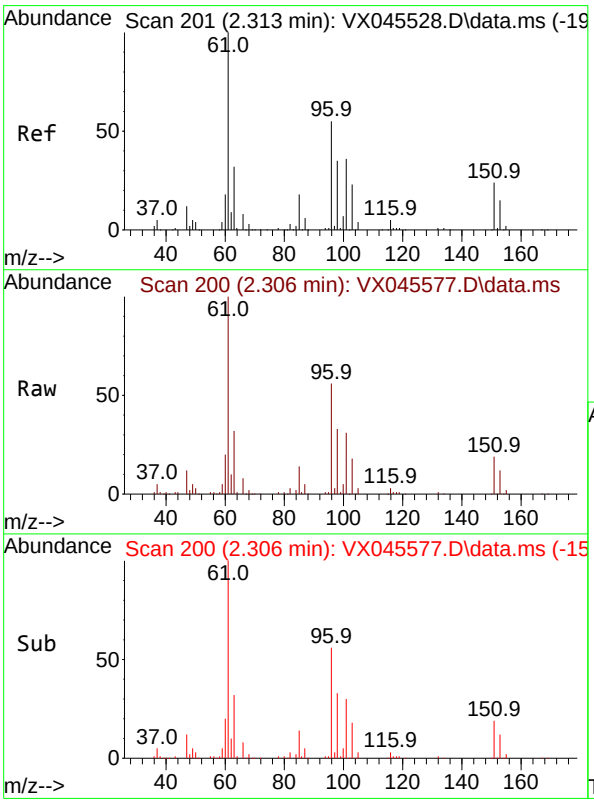
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

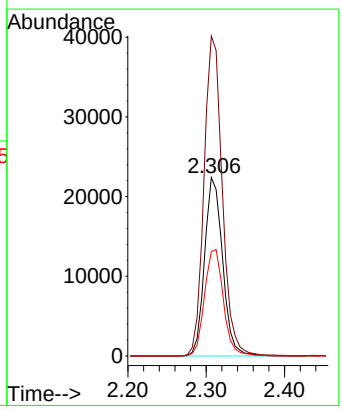
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

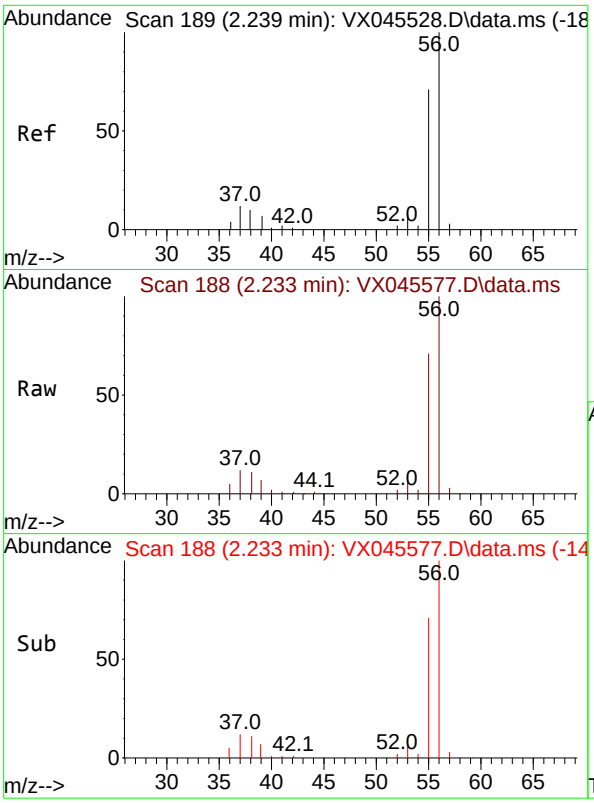


#12
1,1-Dichloroethene
Concen: 43.026 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 96 Resp: 35734

Ion	Ratio	Lower	Upper
96	100		
61	179.4	145.7	218.5
98	58.6	51.6	77.4

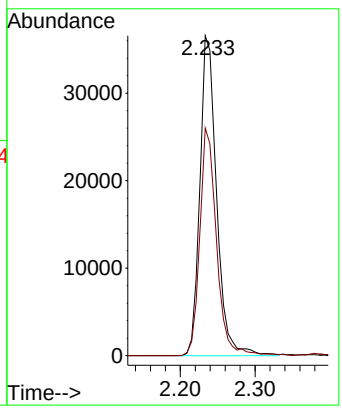




#13
Acrolein
Concen: 242.590 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 56 Resp: 5680

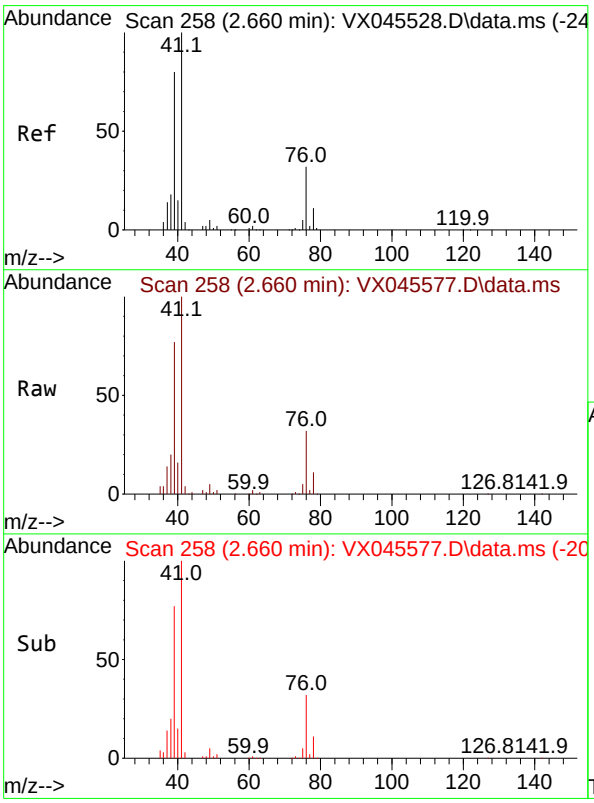
Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.2



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

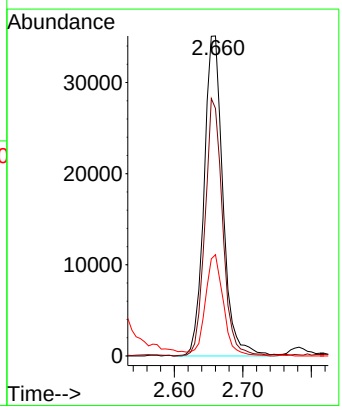
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

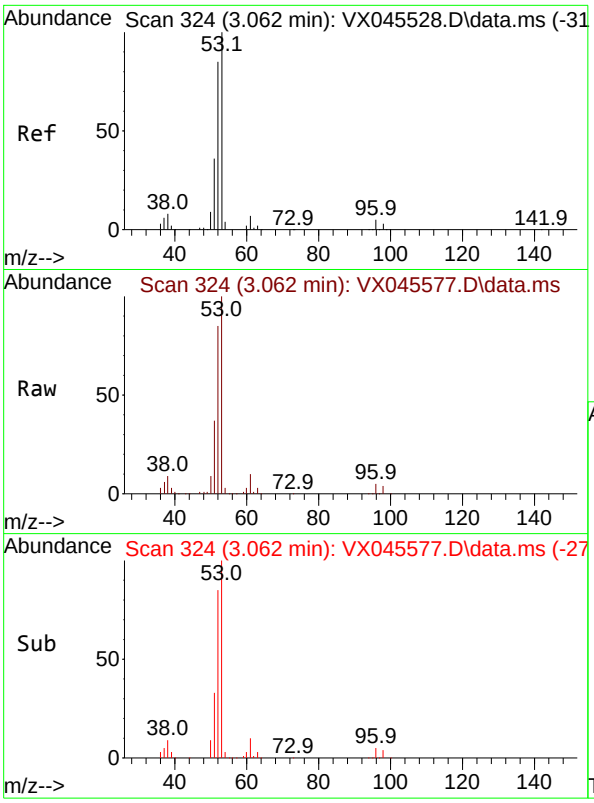


#14
Allyl chloride
Concen: 42.879 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 41 Resp: 67571

Ion	Ratio	Lower	Upper
41	100		
39	74.7	60.2	90.2
76	30.2	24.6	36.8

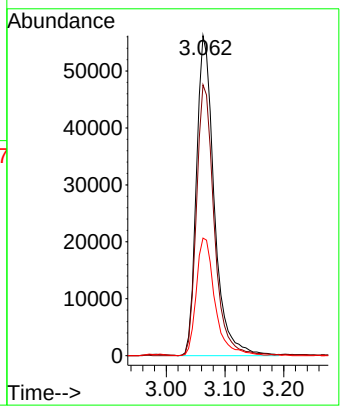




#15
Acrylonitrile
Concen: 220.948 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 53 Resp: 11858

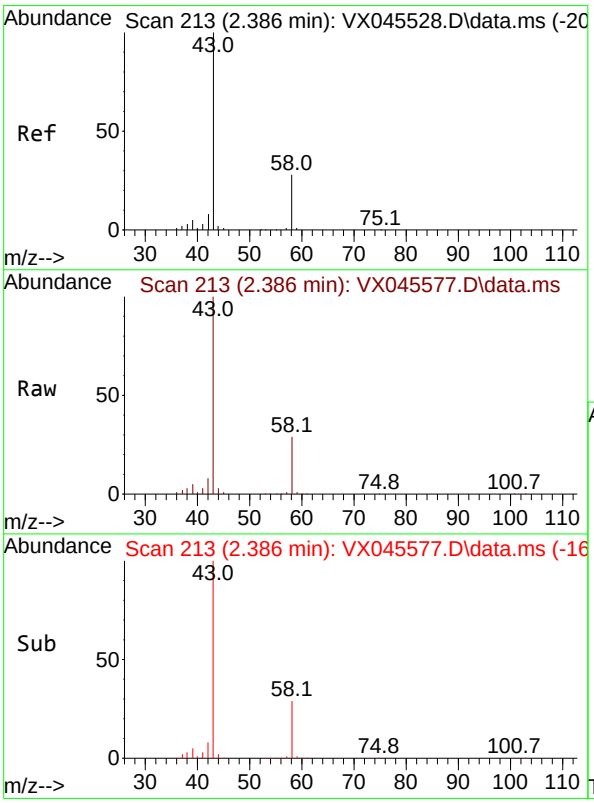
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.4	101.2
51	38.4	29.9	44.9



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

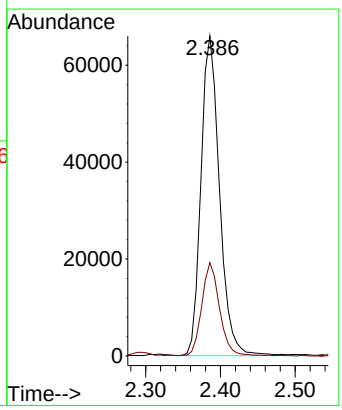
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

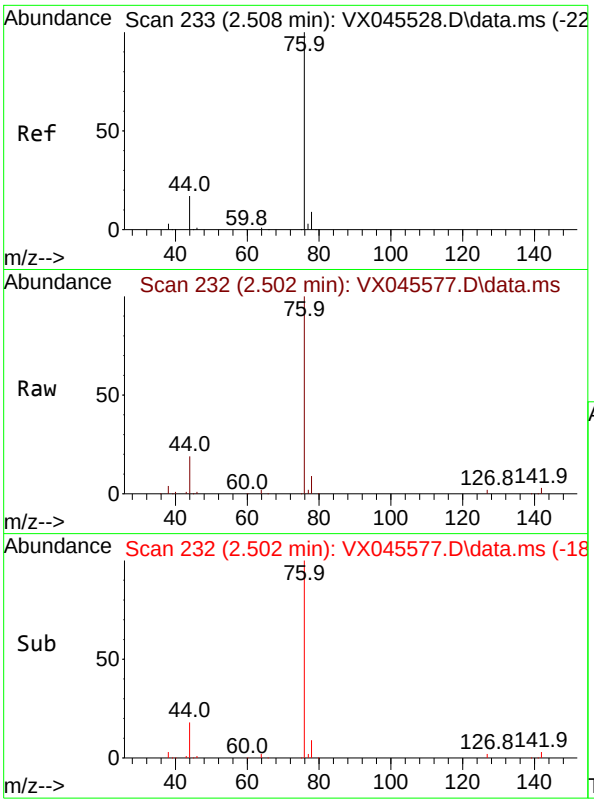


#16
Acetone
Concen: 218.462 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 43 Resp: 113493

Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.3	33.5





#17
Carbon Disulfide
Concen: 40.793 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

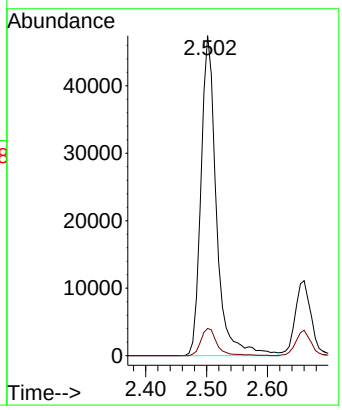
Tgt Ion: 76 Resp: 8367

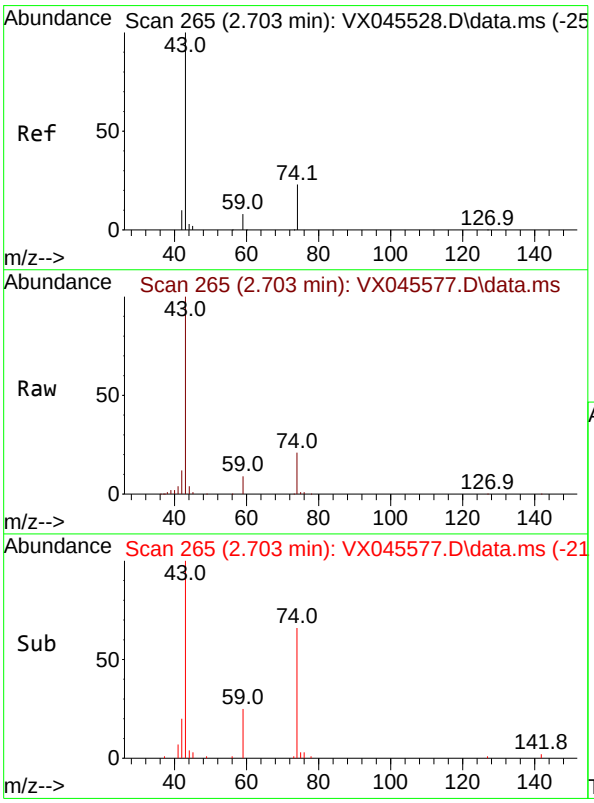
Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

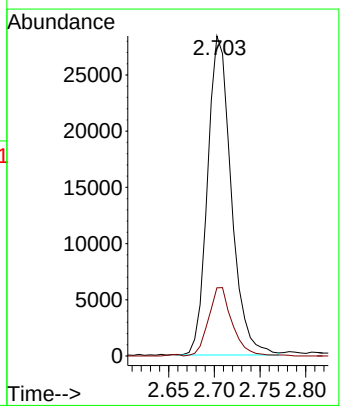


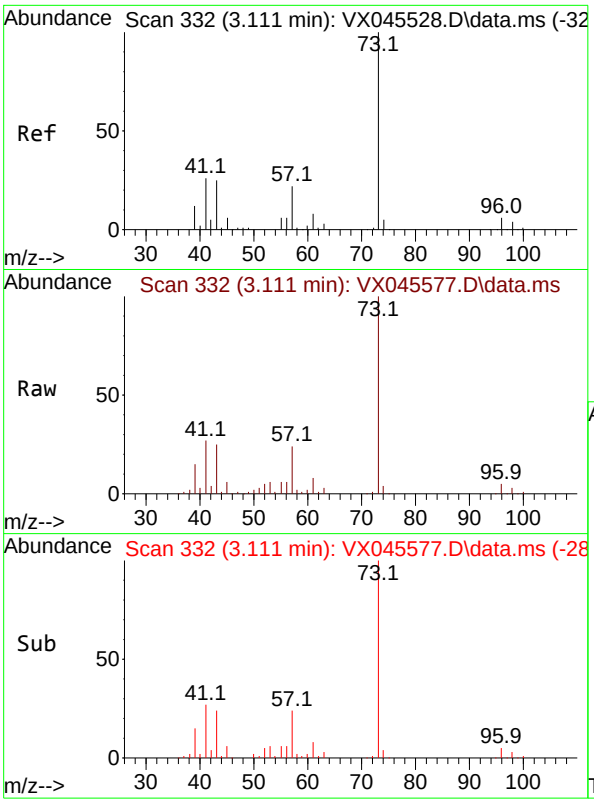


#18
Methyl Acetate
Concen: 42.828 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 43 Resp: 51227

Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.5	26.3

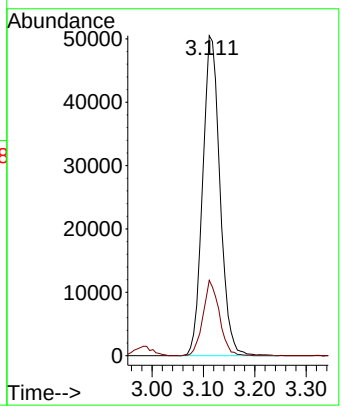




#19
Methyl tert-butyl Ether
Concen: 40.718 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 73 Resp: 11829

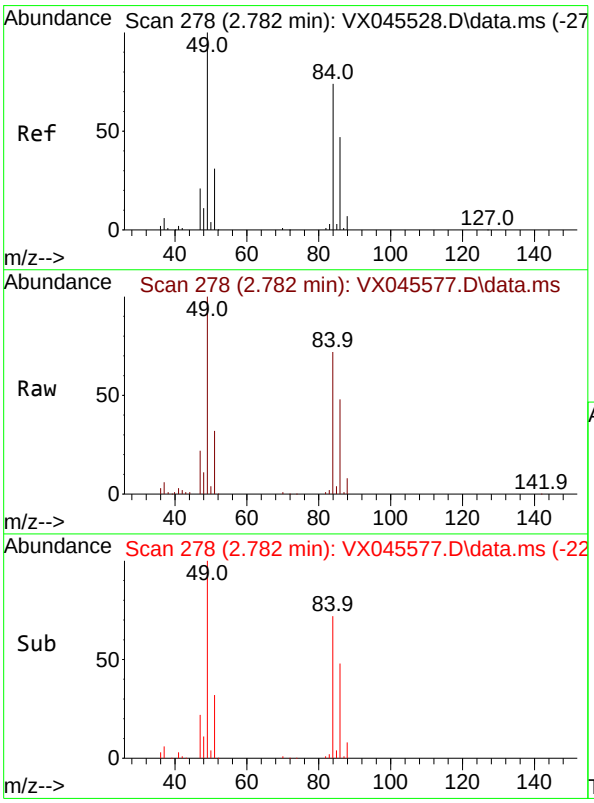
Ion	Ratio	Lower	Upper
73	100		
57	23.6	17.6	26.4



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

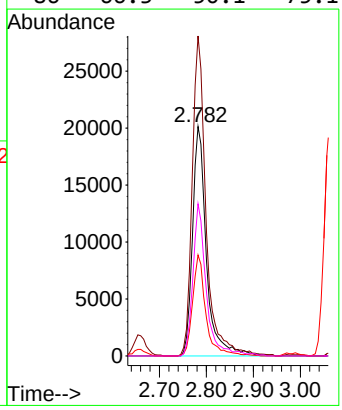
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

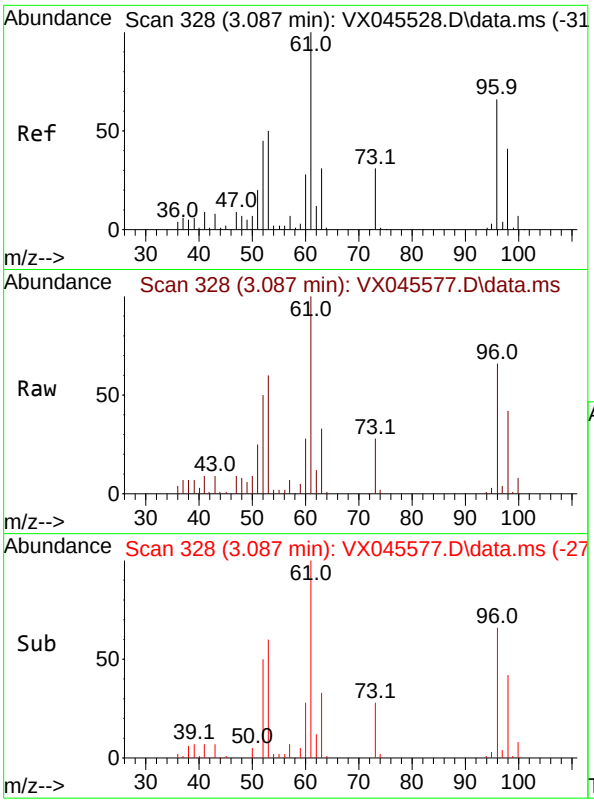


#20
Methylene Chloride
Concen: 42.893 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 84 Resp: 41717

Ion	Ratio	Lower	Upper
84	100		
49	139.5	107.5	161.3
51	44.0	33.0	49.6
86	66.3	50.1	75.1

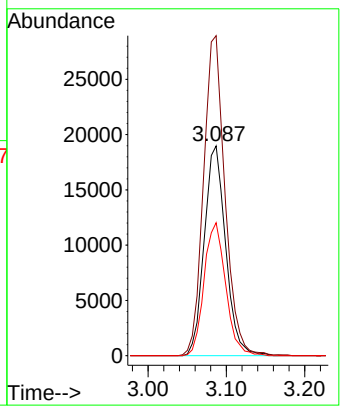




#21
trans-1,2-Dichloroethene
Concen: 42.427 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 96 Resp: 3599

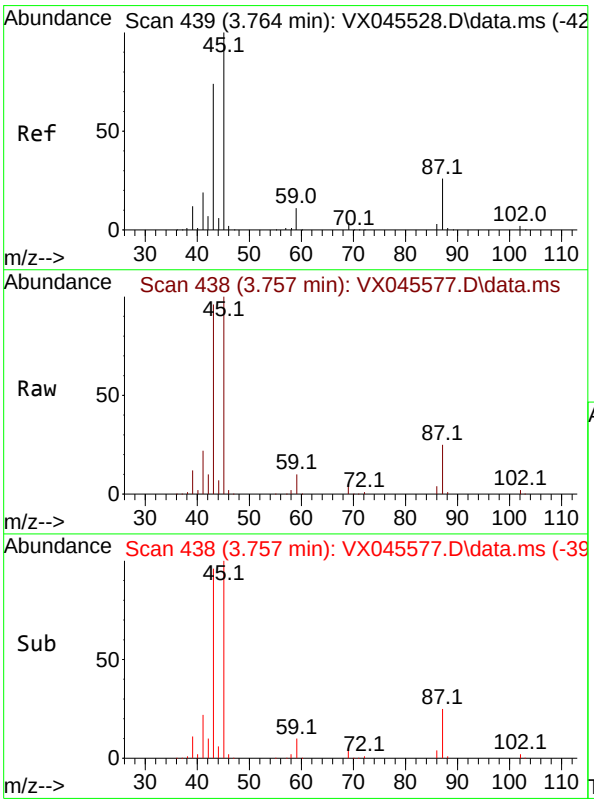
Ion	Ratio	Lower	Upper
96	100		
61	152.6	121.0	181.6
98	63.4	49.7	74.5



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

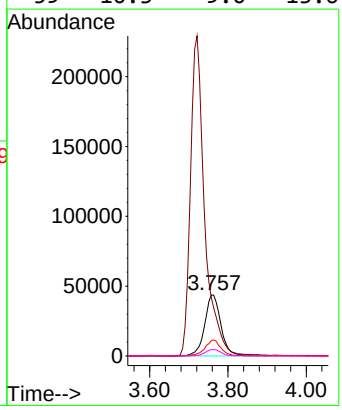
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

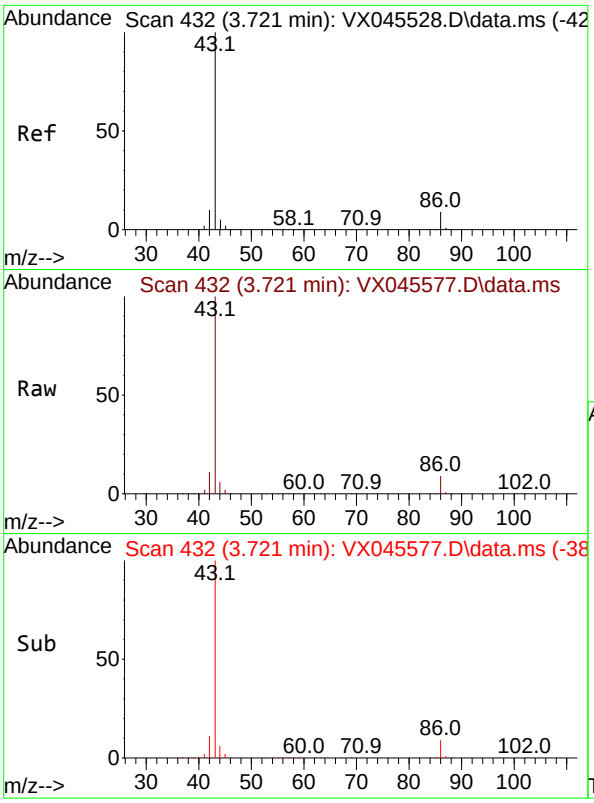


#22
Diisopropyl ether
Concen: 40.752 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 45 Resp: 126501

Ion	Ratio	Lower	Upper
45	100		
43	95.8	59.3	88.9#
87	25.3	20.4	30.6
59	10.3	9.0	13.6





#23
Vinyl Acetate
Concen: 216.251 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

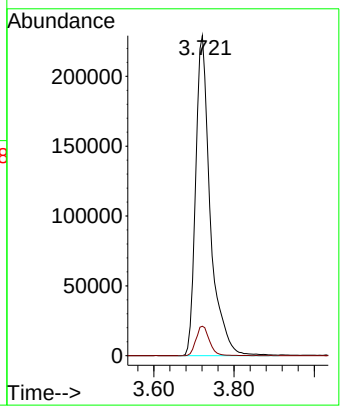
Tgt Ion: 43 Resp: 57997

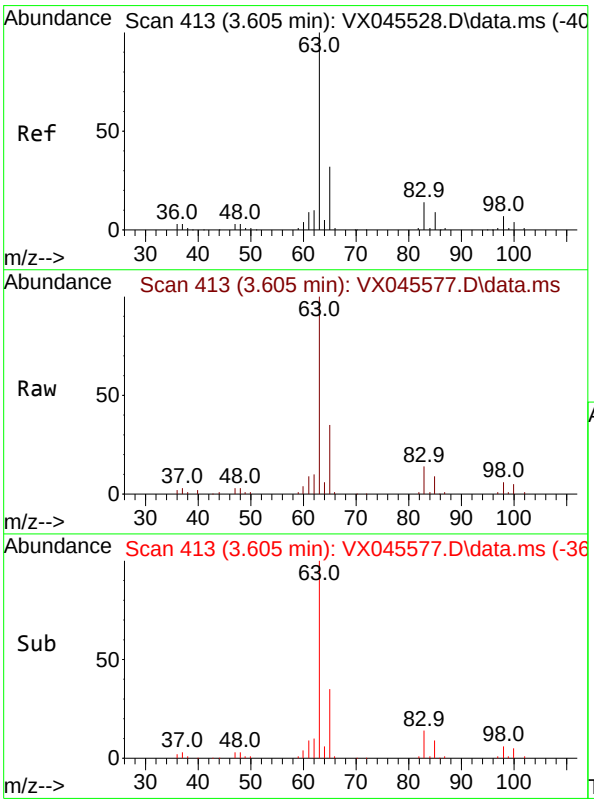
Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

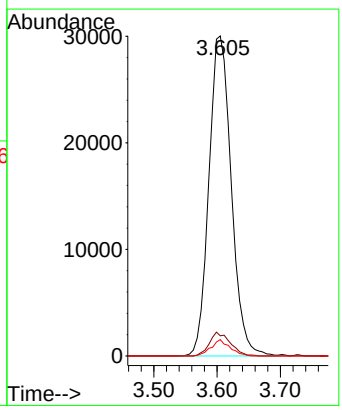


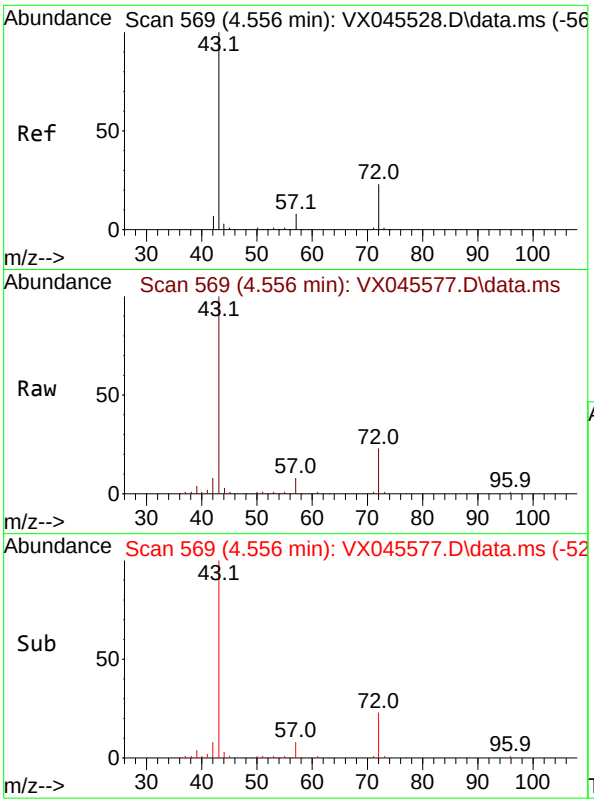


#24
1,1-Dichloroethane
Concen: 42.006 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 63 Resp: 73743

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.1
100	5.1	2.2	6.6

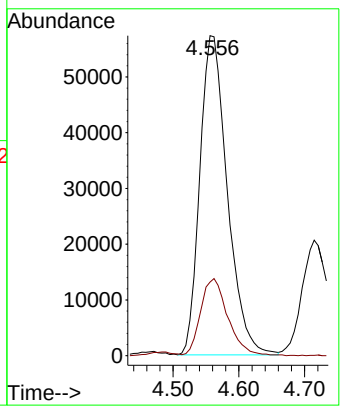




#25
2-Butanone
Concen: 219.133 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 43 Resp: 16664

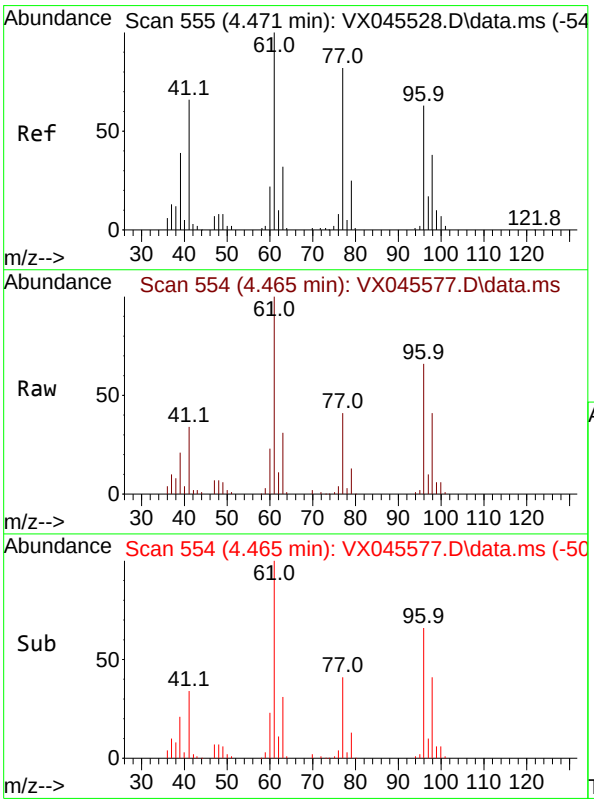
Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

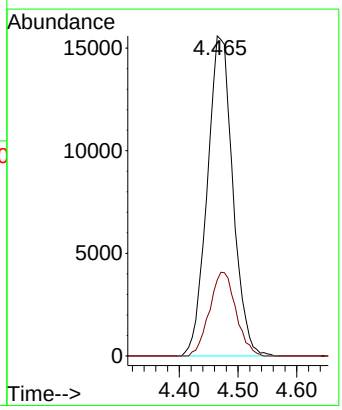
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

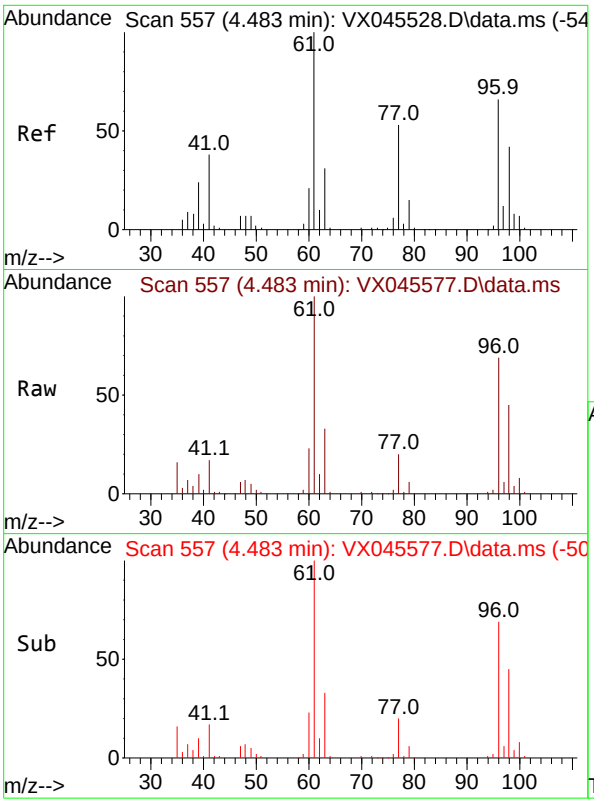


#26
2,2-Dichloropropane
Concen: 41.532 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 77 Resp: 47107

Ion	Ratio	Lower	Upper
77	100		
97	27.1	10.6	31.8

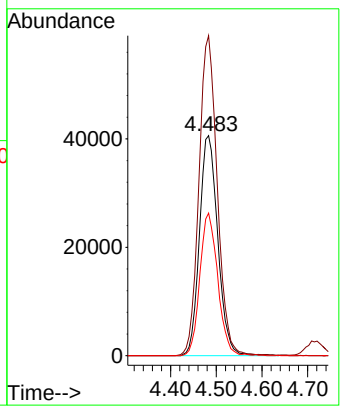




#27
cis-1,2-Dichloroethene
Concen: 109.437 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 96 Resp: 11312

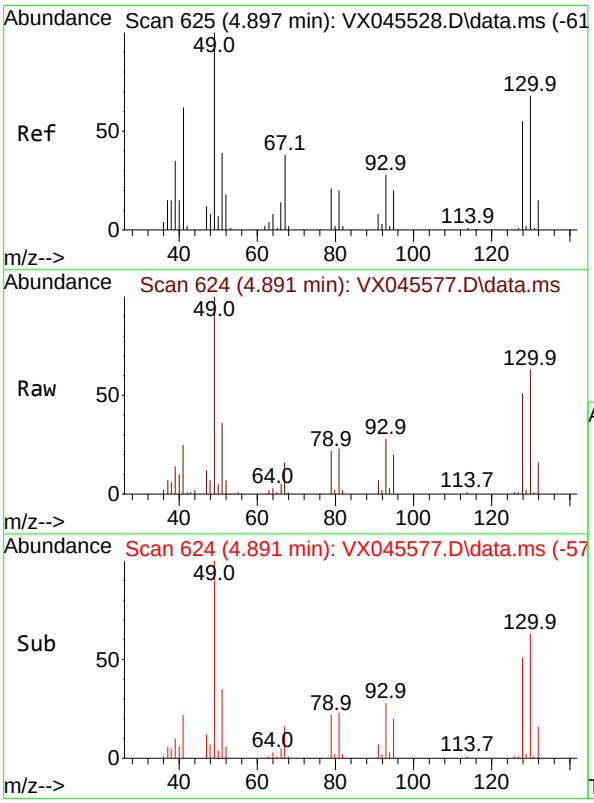
Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	313.2
98	63.1	0.0	126.4



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

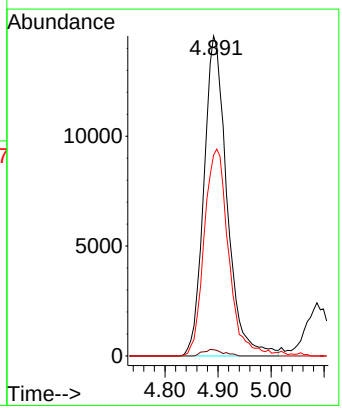
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

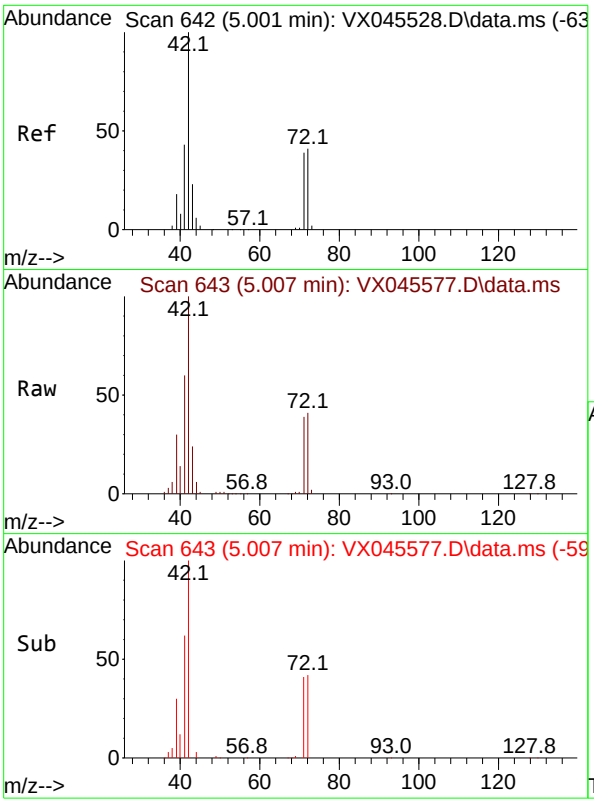


#28
Bromochloromethane
Concen: 51.901 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 49 Resp: 44030

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	68.4	54.6	81.8





#29
Tetrahydrofuran
Concen: 224.845 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

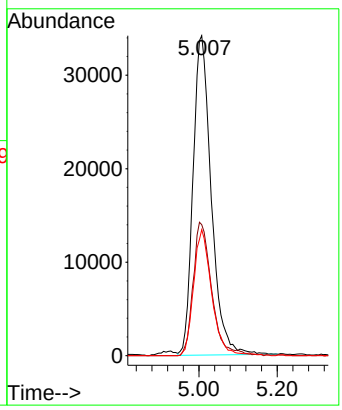
Tgt Ion: 42 Resp: 11085

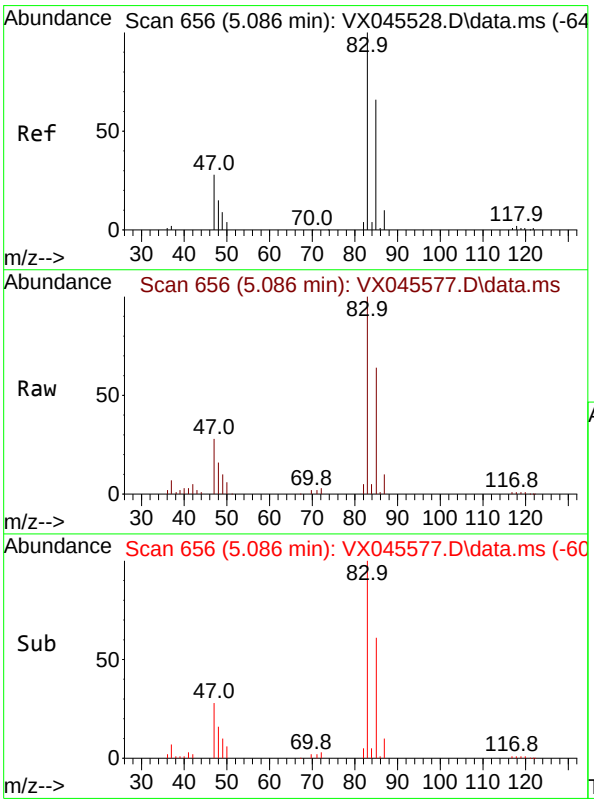
Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	39.0	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

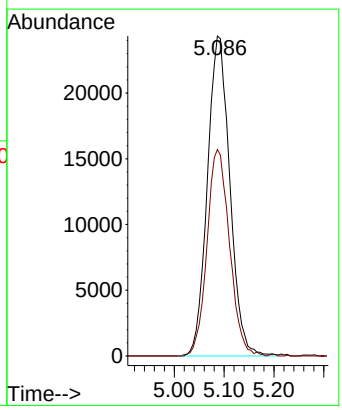


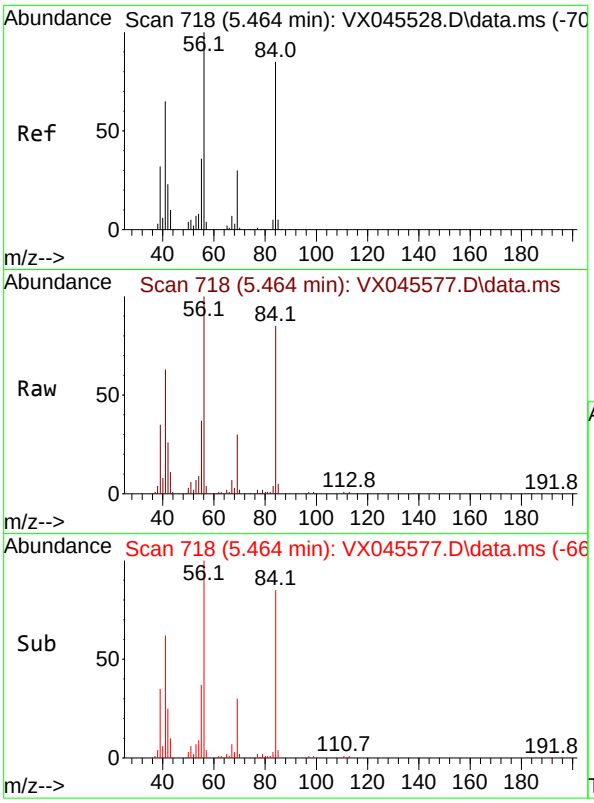


#30
Chloroform
Concen: 42.177 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 83 Resp: 76188

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.8	79.2

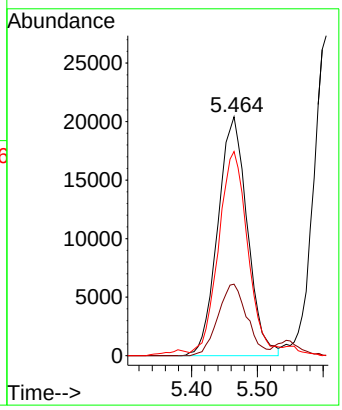




#31
Cyclohexane
Concen: 41.056 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 56 Resp: 6371

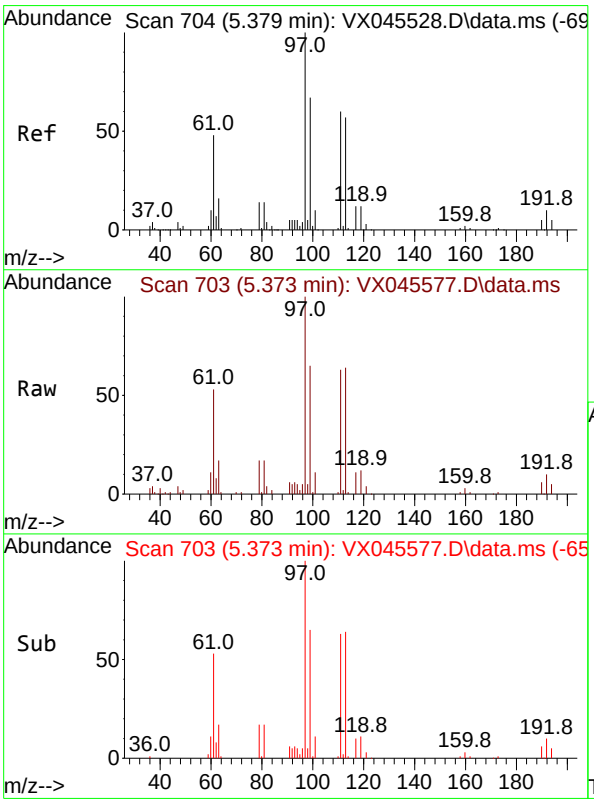
Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.6	35.4
84	82.9	67.7	101.5



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

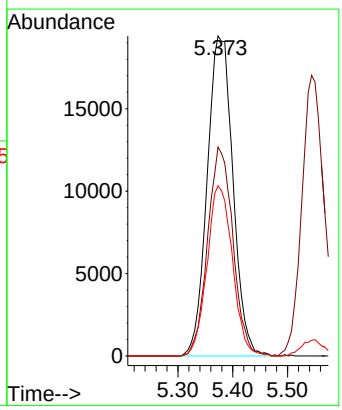
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

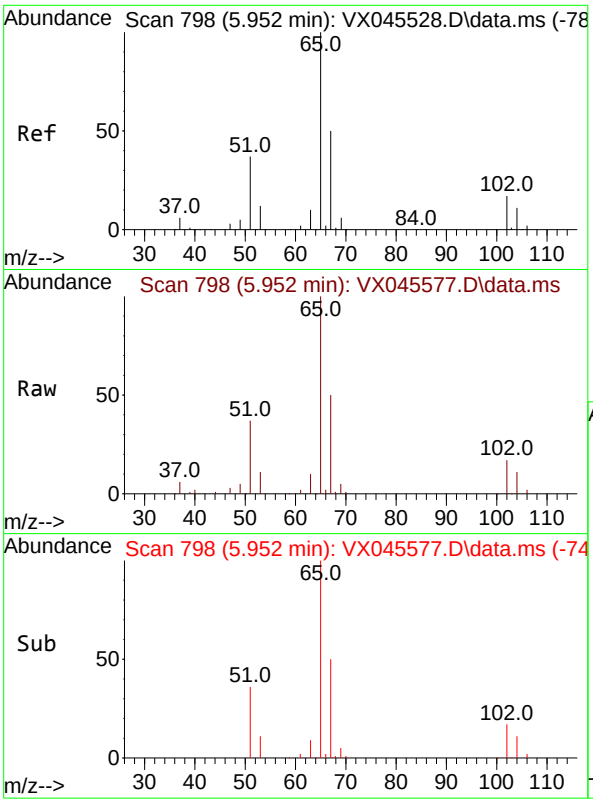


#32
1,1,1-Trichloroethane
Concen: 41.547 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 97 Resp: 63504

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	52.4	41.0	61.4





#33
1,2-Dichloroethane-d4
Concen: 46.887 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

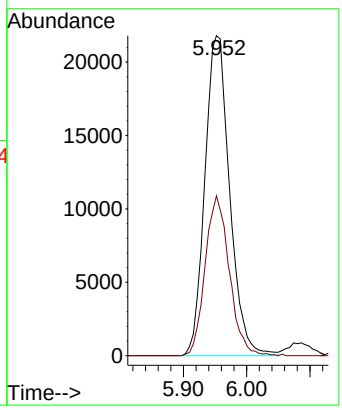
Tgt Ion: 65 Resp: 5931

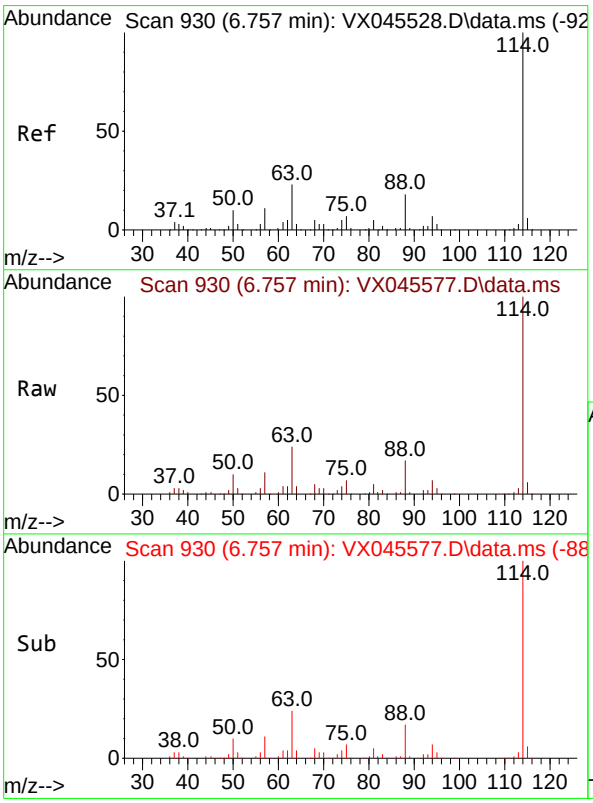
Ion	Ratio	Lower	Upper
65	100		
67	48.6	0.0	99.0

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

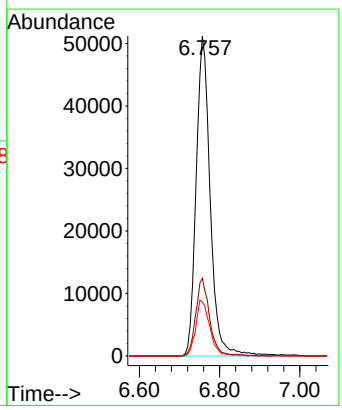


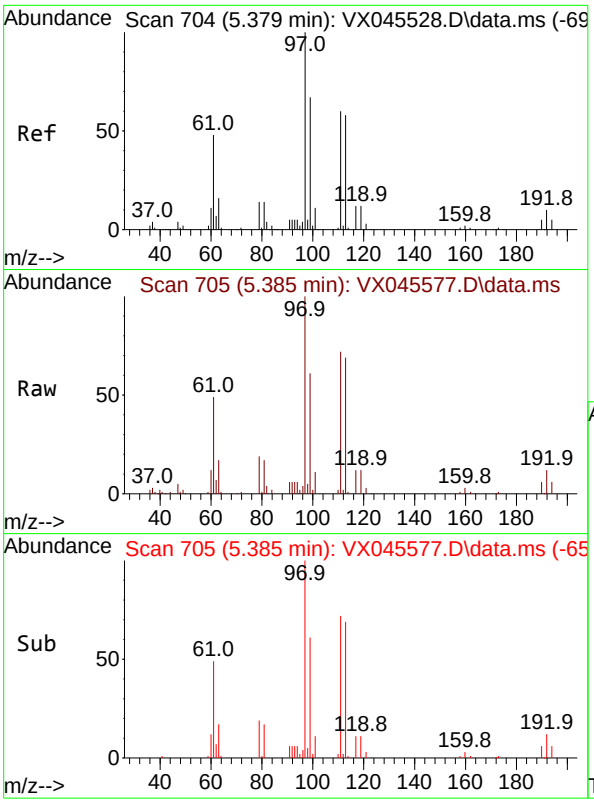


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:114 Resp: 124452

Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	46.8
88	16.8	0.0	35.4

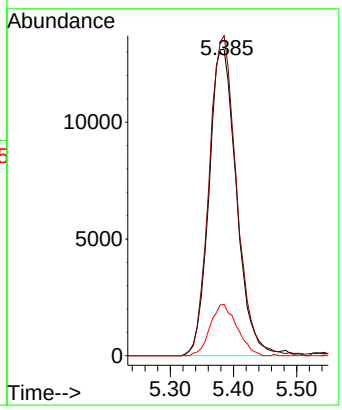




#35
Dibromofluoromethane
Concen: 44.805 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:113 Resp: 3956

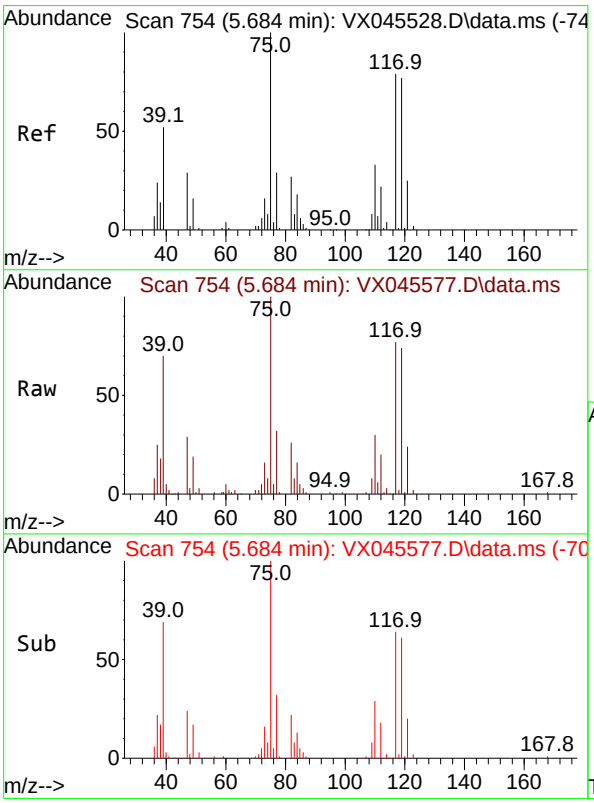
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.8	122.6
192	16.4	13.8	20.6



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

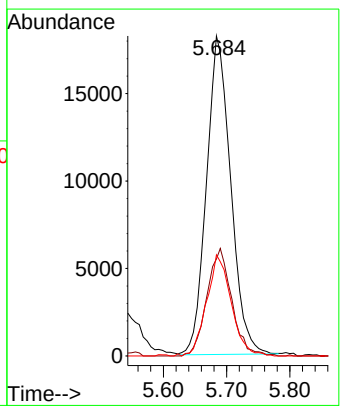
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

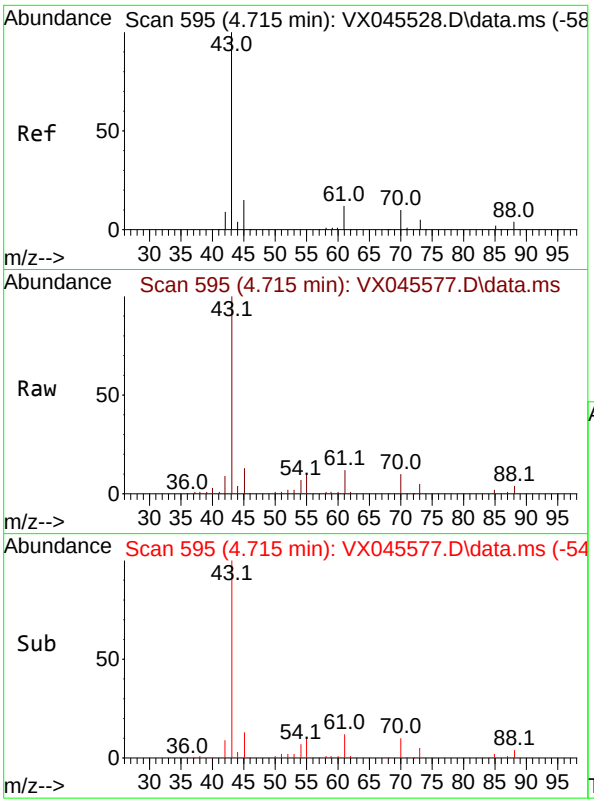


#36
1,1-Dichloropropene
Concen: 40.692 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 75 Resp: 48513

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.6
77	32.2	25.0	37.4

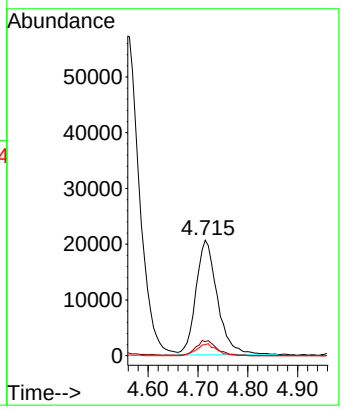




#37
Ethyl Acetate
Concen: 41.067 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 43 Resp: 6170

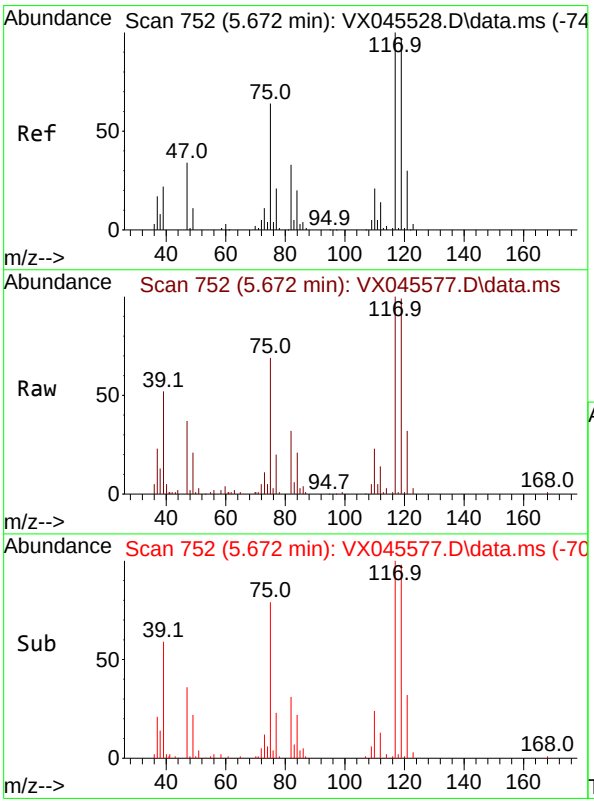
Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.9	14.9
70	9.4	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

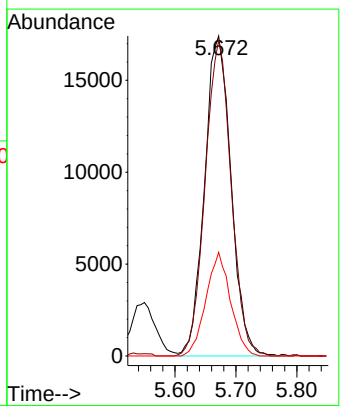
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

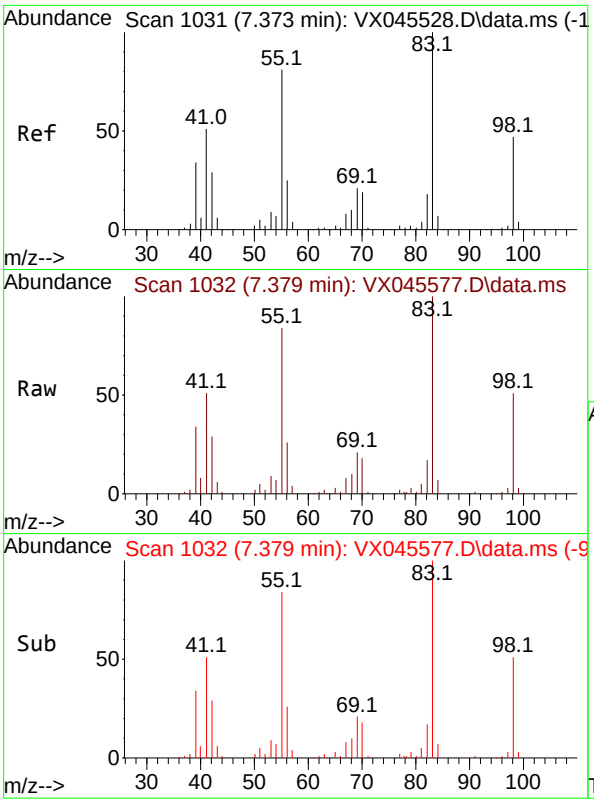


#38
Carbon Tetrachloride
Concen: 40.884 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:117 Resp: 52678

Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.9	115.3
121	32.4	24.2	36.2

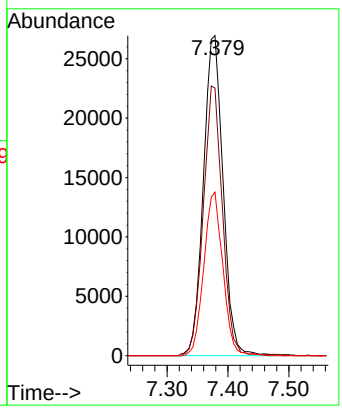




#39
Methylcyclohexane
Concen: 41.348 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 83 Resp: 6042

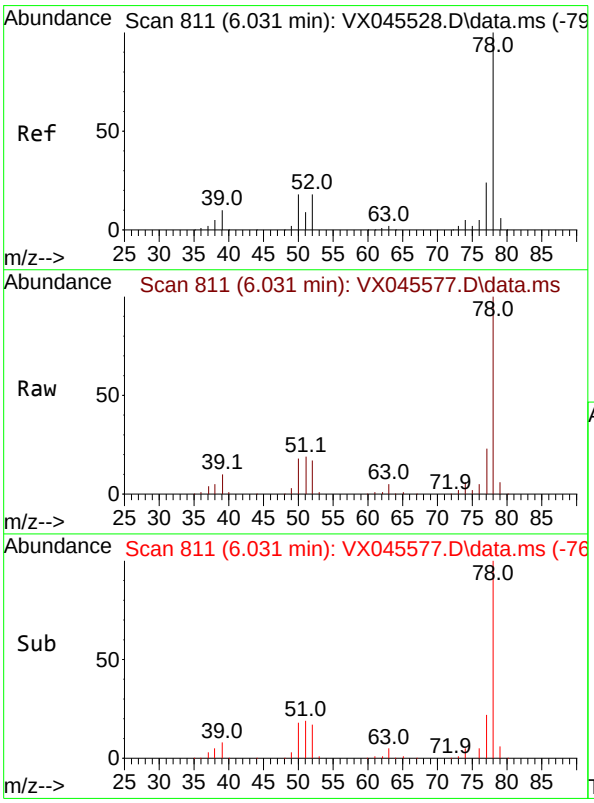
Ion	Ratio	Lower	Upper
83	100		
55	83.6	64.9	97.3
98	51.1	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

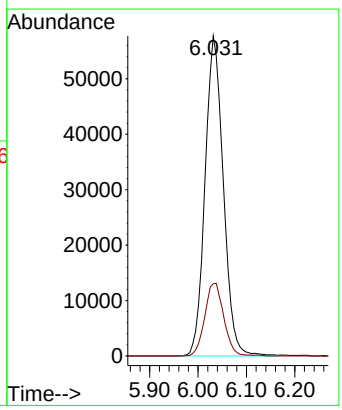
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

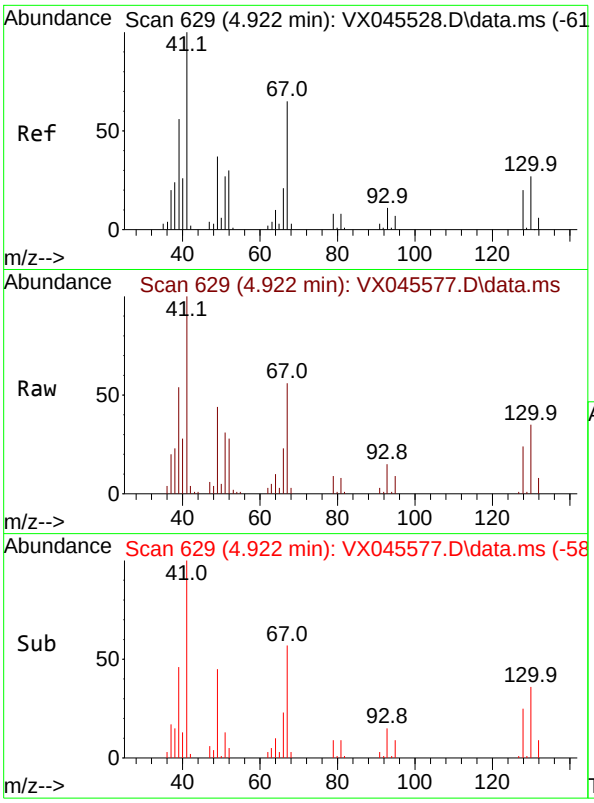


#40
Benzene
Concen: 41.683 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 78 Resp: 151773

Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.0	28.6

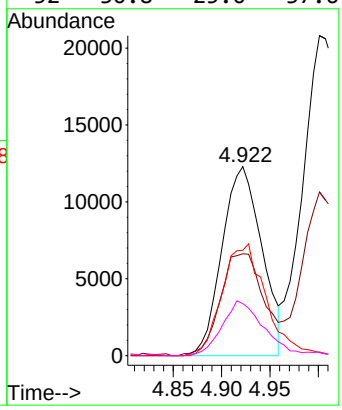




#41
Methacrylonitrile
Concen: 44.462 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 41 Resp: 3524

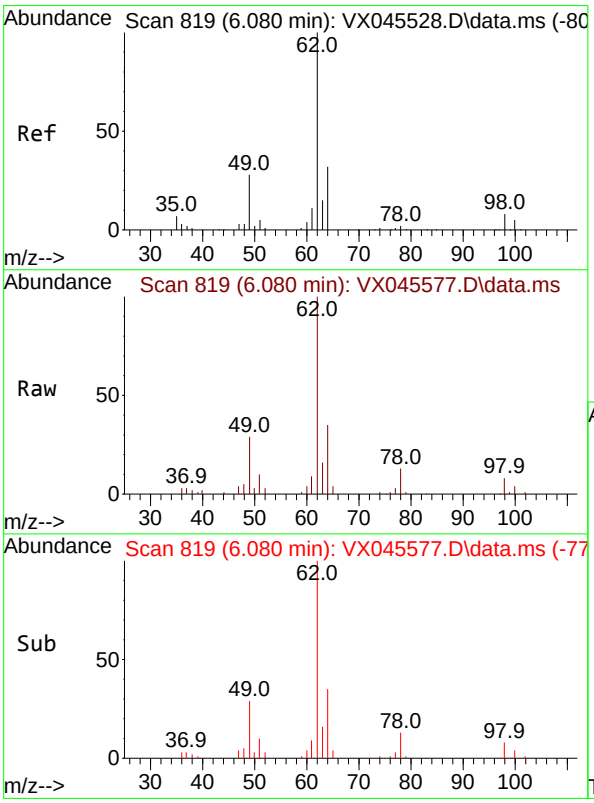
Ion	Ratio	Lower	Upper
41	100		
39	58.6	47.0	70.6
67	65.0	53.2	79.8
52	30.8	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

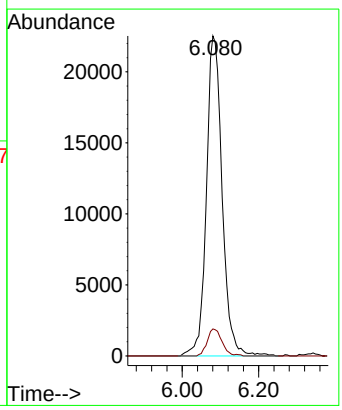
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

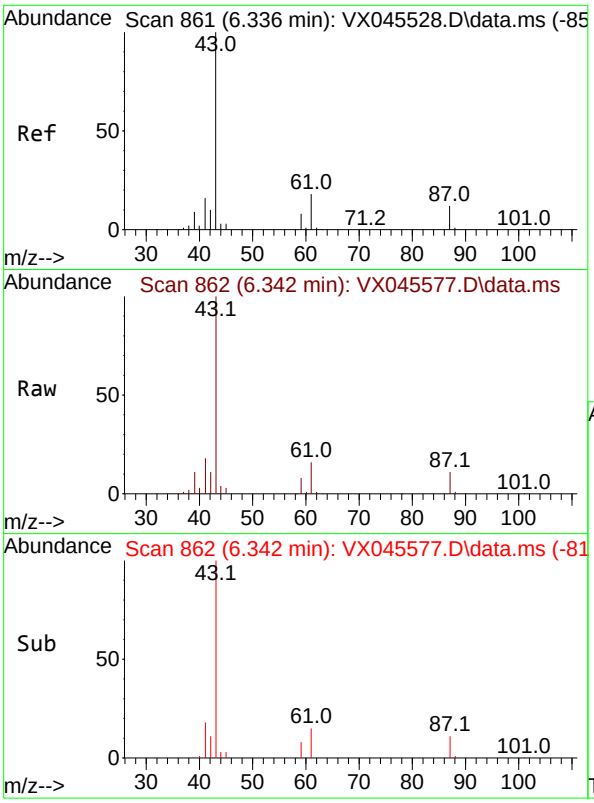


#42
1,2-Dichloroethane
Concen: 42.819 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 62 Resp: 64394

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.2





#43
Isopropyl Acetate
Concen: 40.861 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

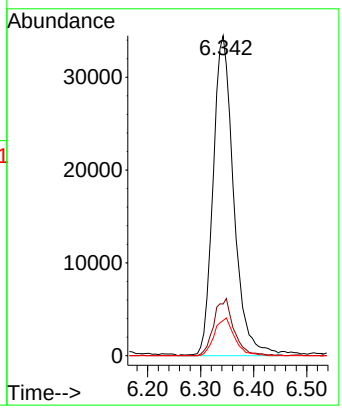
Tgt Ion: 43 Resp: 9304

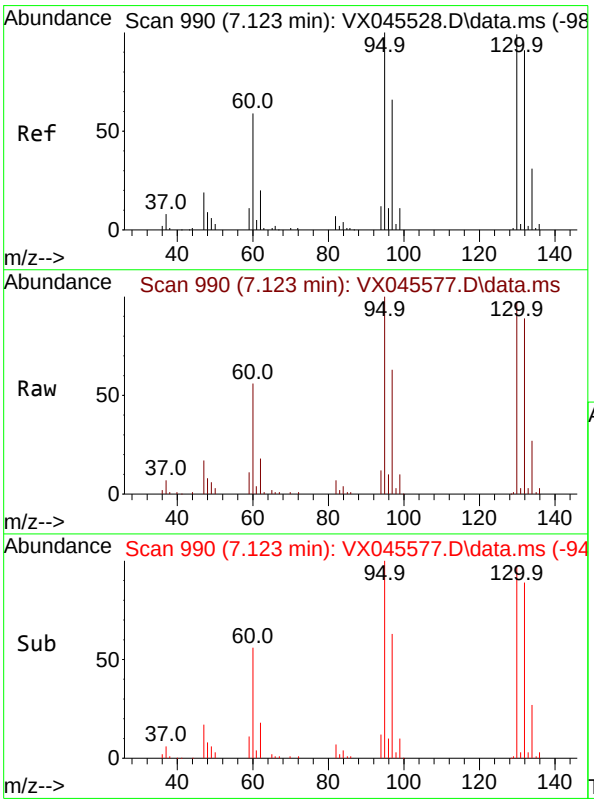
Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.1	21.1
87	11.4	9.2	13.8

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

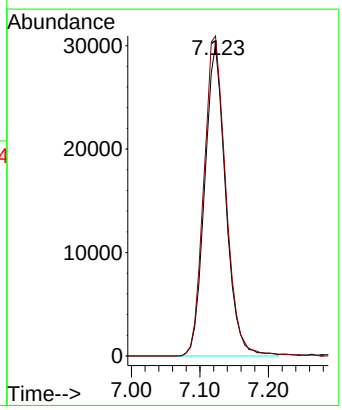


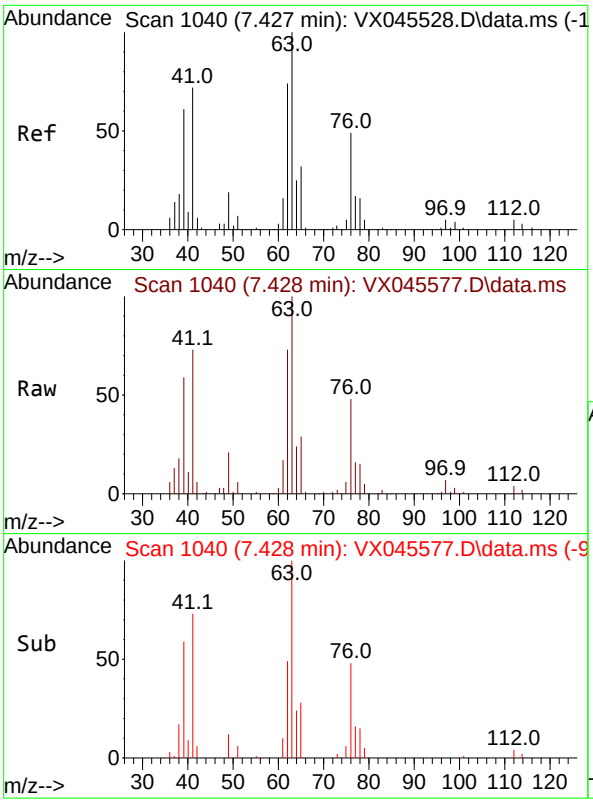


#44
Trichloroethene
Concen: 74.217 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:130 Resp: 64230

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	202.0

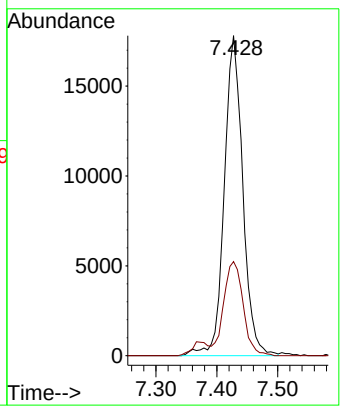




#45
1,2-Dichloropropane
Concen: 41.396 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 63 Resp: 3760

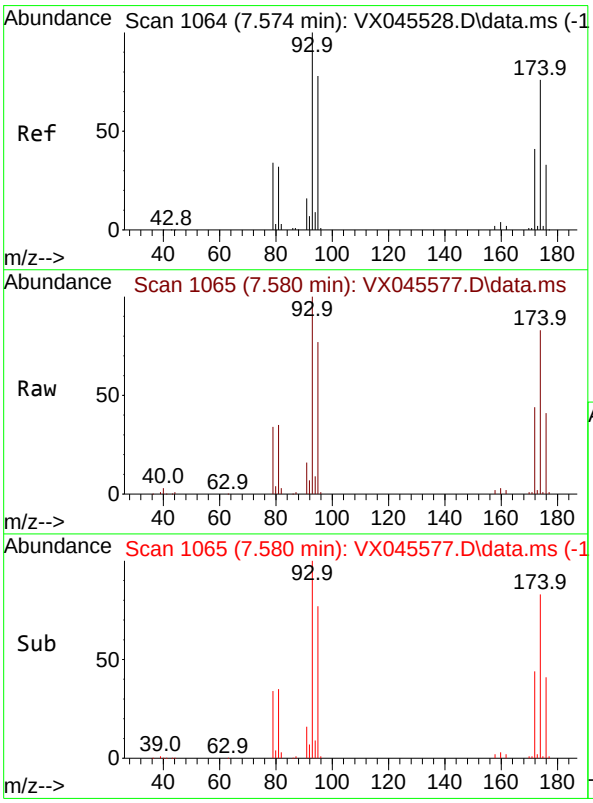
Ion	Ratio	Lower	Upper
63	100		
65	29.4	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

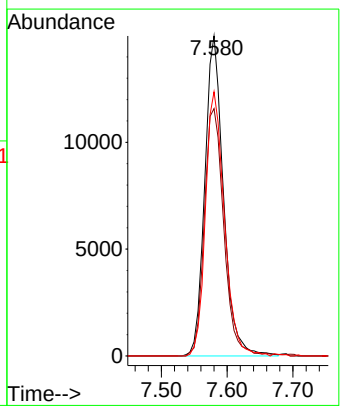
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

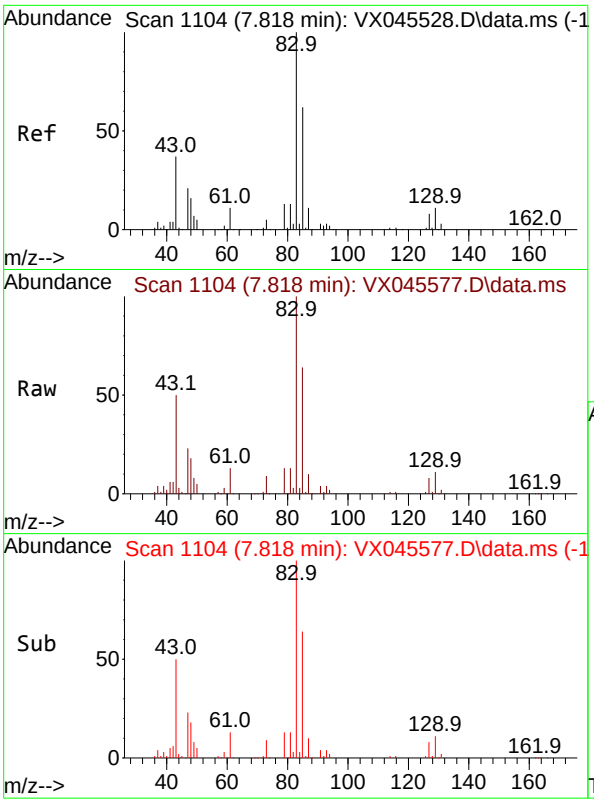


#46
Dibromomethane
Concen: 42.409 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 93 Resp: 29576

Ion	Ratio	Lower	Upper
93	100		
95	80.5	64.8	97.2
174	84.0	65.4	98.0

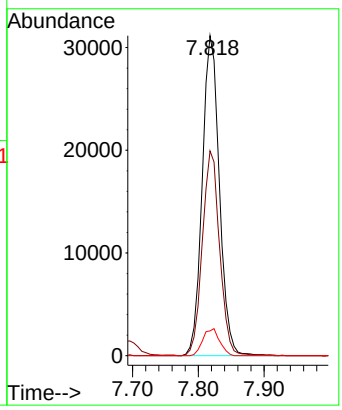




#47
Bromodichloromethane
Concen: 40.580 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 83 Resp: 5651

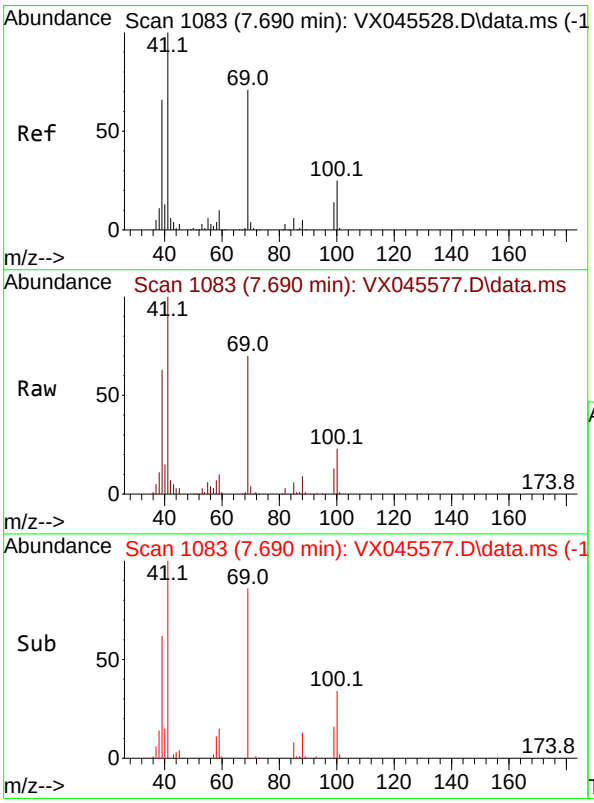
Ion	Ratio	Lower	Upper
83	100		
85	64.0	49.7	74.5
127	7.8	6.1	9.1



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

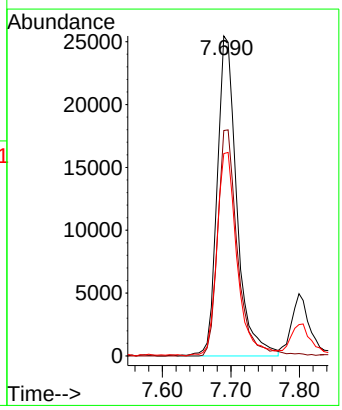
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

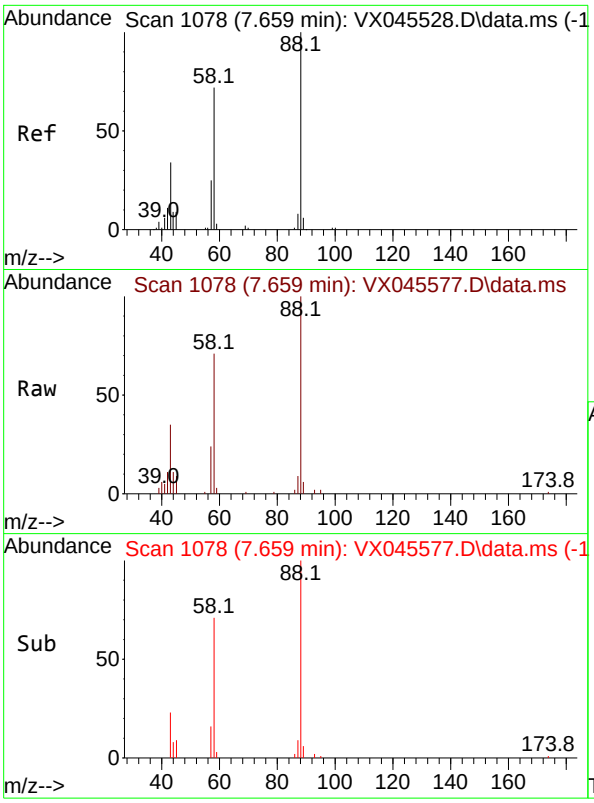


#48
Methyl methacrylate
Concen: 42.896 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 41 Resp: 50434

Ion	Ratio	Lower	Upper
41	100		
69	71.5	58.2	87.2
39	65.7	53.6	80.4

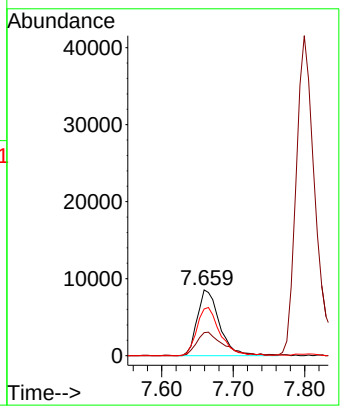




#49
1,4-Dioxane
Concen: 868.137 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 88 Resp: 1846

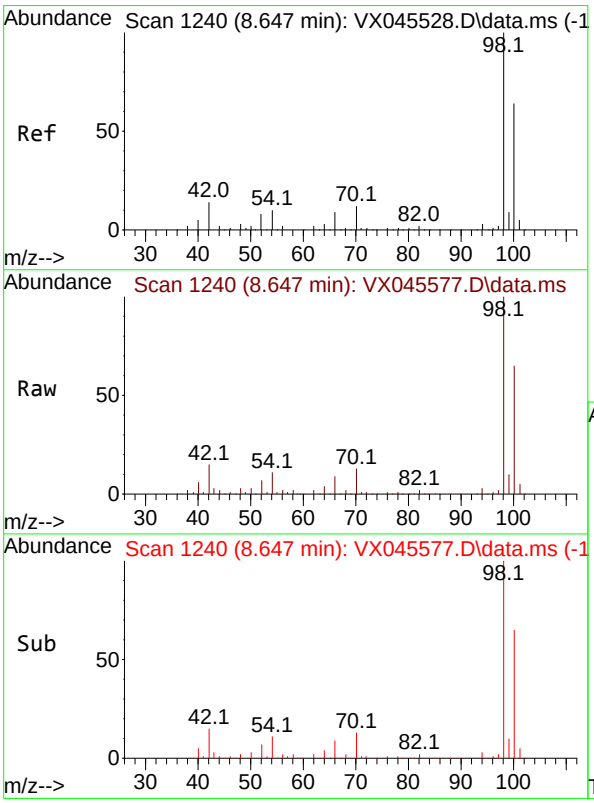
Ion	Ratio	Lower	Upper
88	100		
43	43.2	32.2	48.4
58	76.1	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

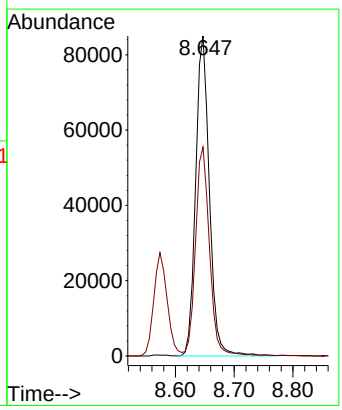
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

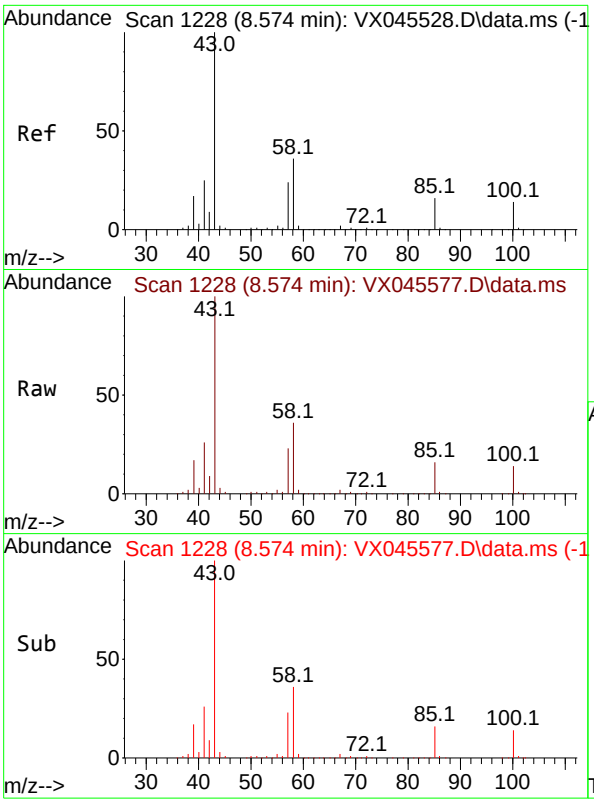


#50
Toluene-d8
Concen: 44.840 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 98 Resp: 138195

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4

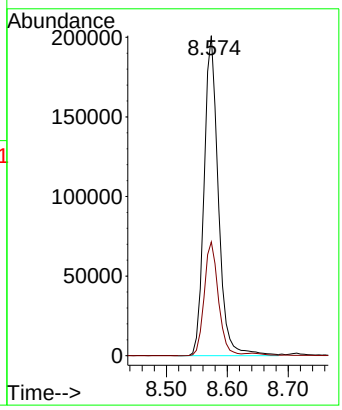




#51
4-Methyl-2-Pentanone
Concen: 216.701 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 43 Resp: 32712

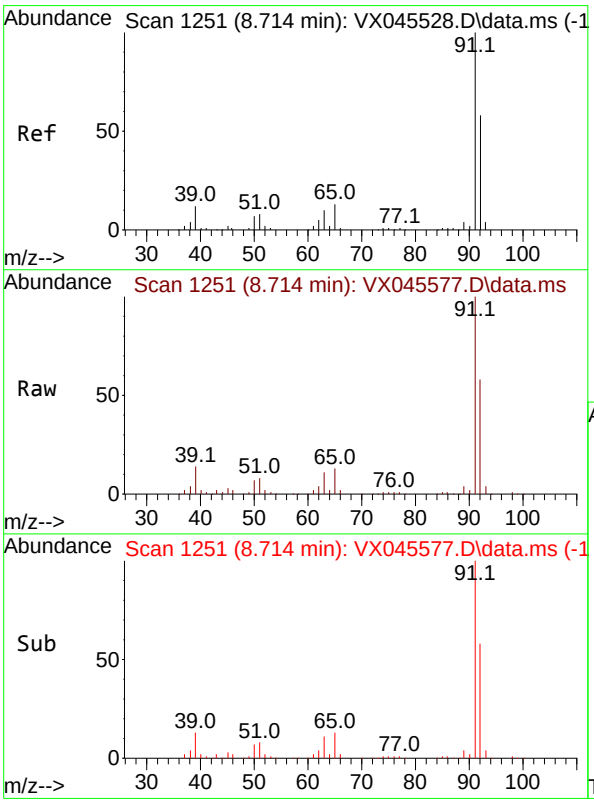
Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.5	42.7



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

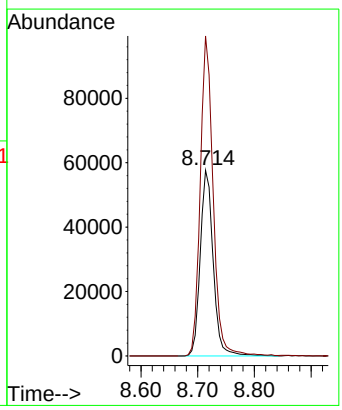
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

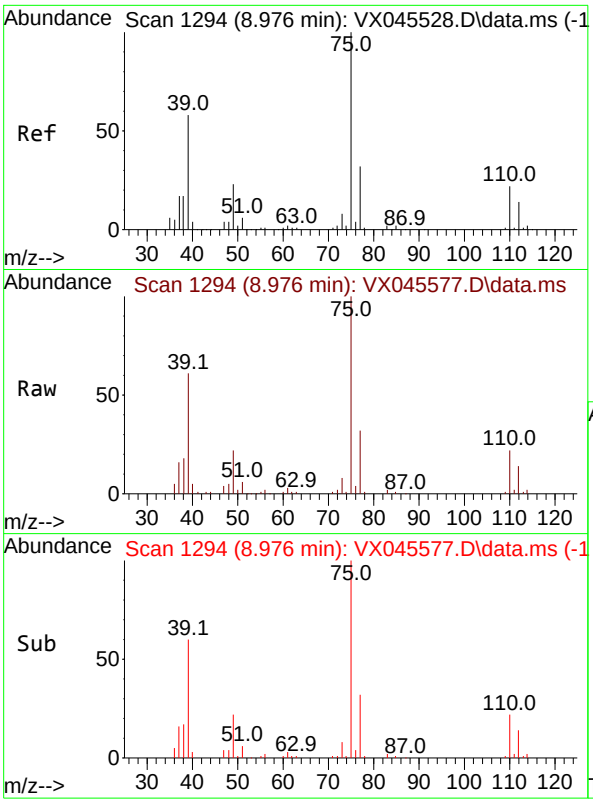


#52
Toluene
Concen: 41.527 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 92 Resp: 91494

Ion	Ratio	Lower	Upper
92	100		
91	171.6	138.7	208.1

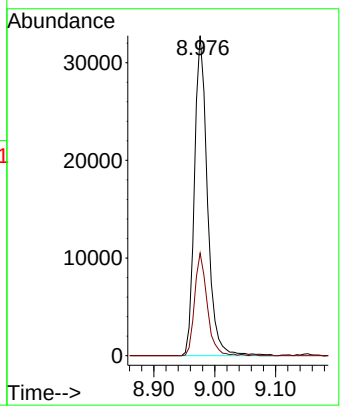




#53
t-1,3-Dichloropropene
Concen: 36.797 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 75 Resp: 4843

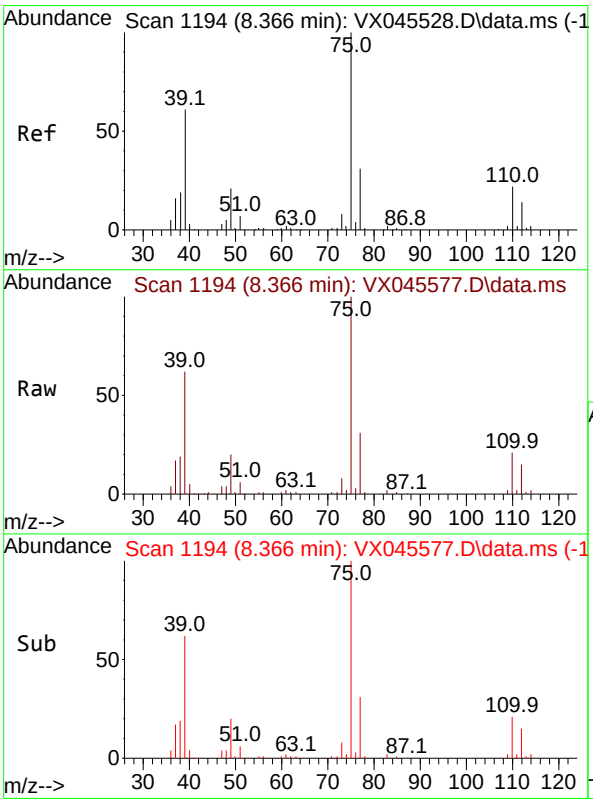
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

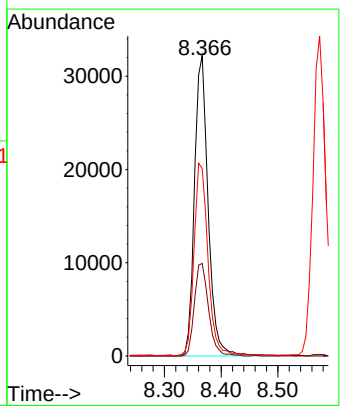
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

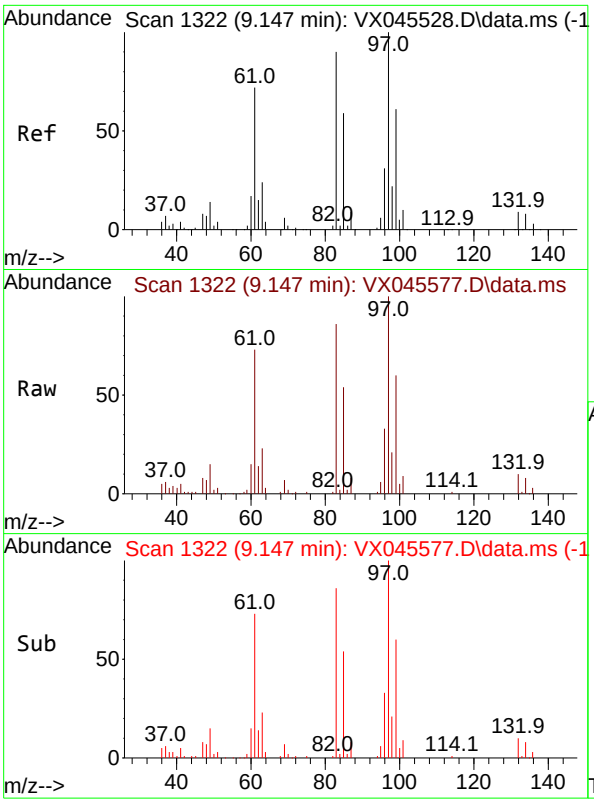


#54
cis-1,3-Dichloropropene
Concen: 41.229 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 75 Resp: 53960

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	36.8
39	62.1	48.4	72.6

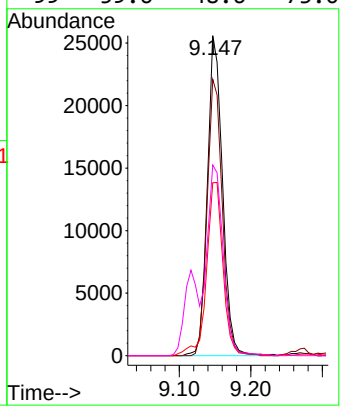




#55
1,1,2-Trichloroethane
Concen: 42.883 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 97 Resp: 3765

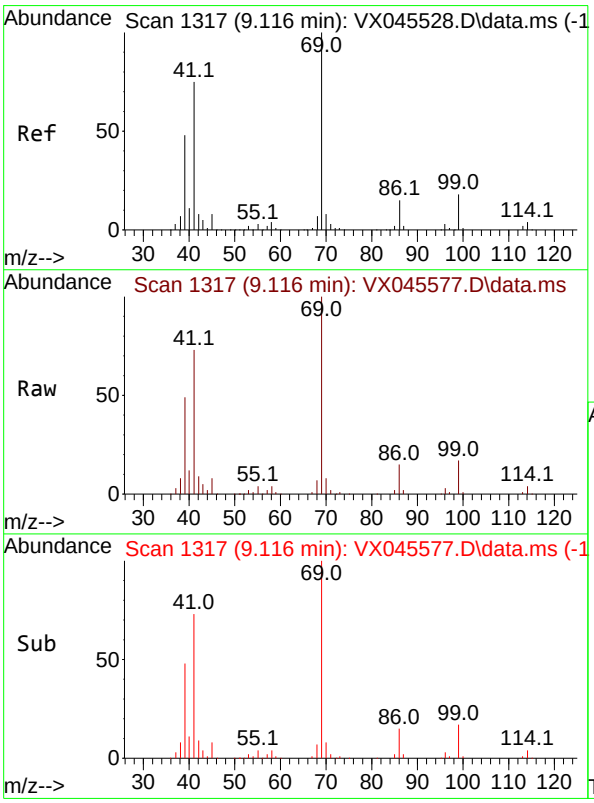
Ion	Ratio	Lower	Upper
97	100		
83	86.3	71.8	107.8
85	53.8	47.0	70.6
99	59.6	48.6	73.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

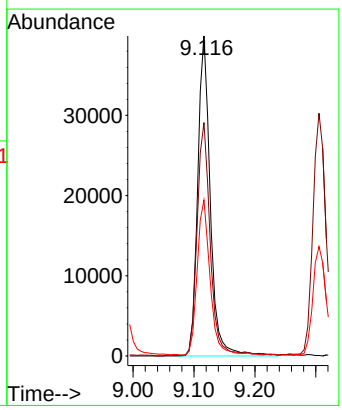
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

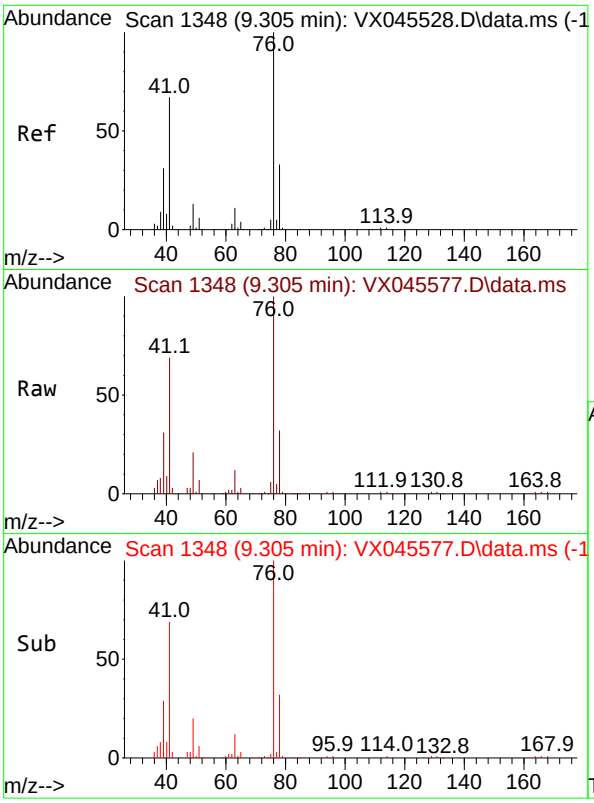


#56
Ethyl methacrylate
Concen: 42.272 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 69 Resp: 57438

Ion	Ratio	Lower	Upper
69	100		
41	75.5	61.3	91.9
39	49.8	40.2	60.2

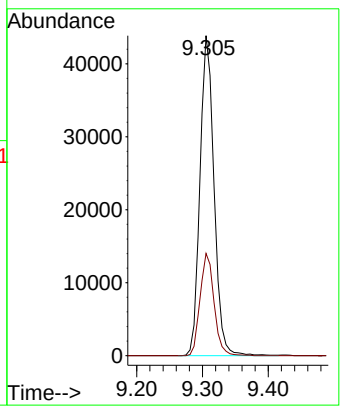




#57
1,3-Dichloropropane
Concen: 42.735 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 76 Resp: 6533

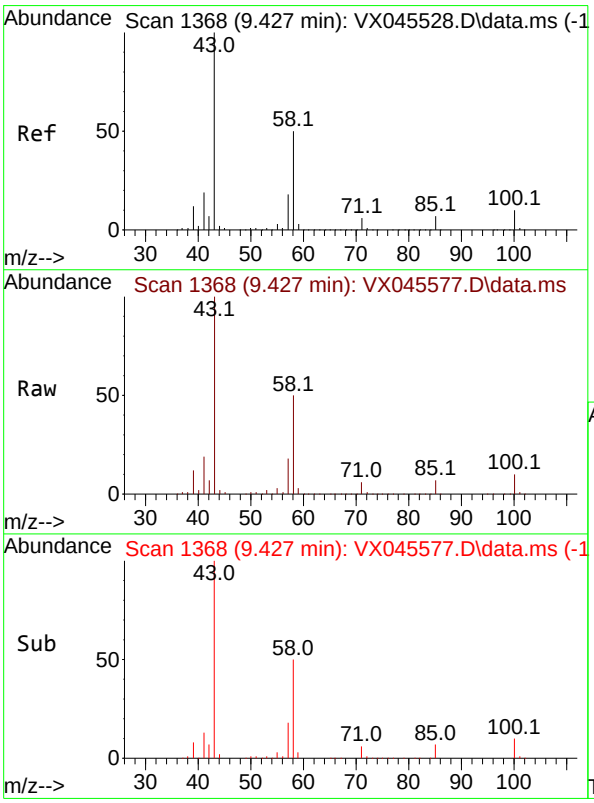
Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

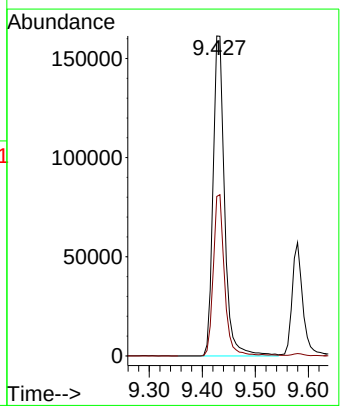
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

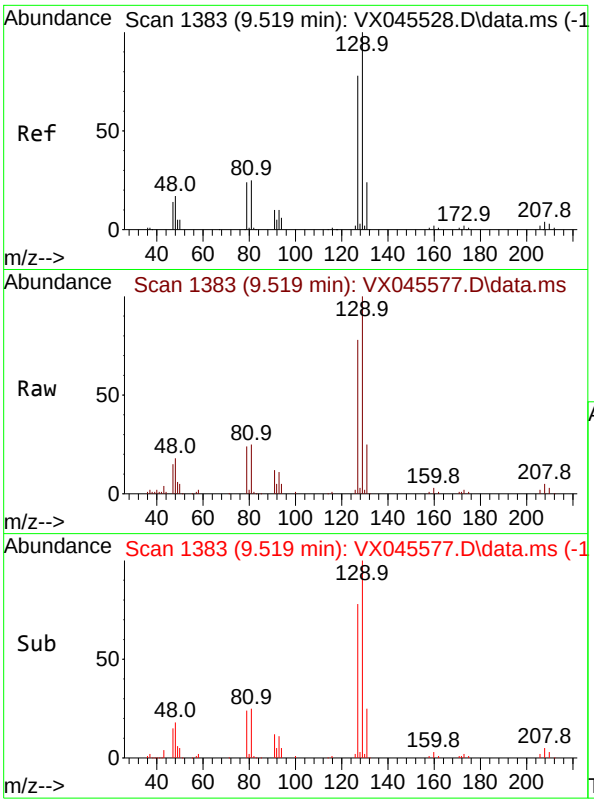


#59
2-Hexanone
Concen: 219.150 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 43 Resp: 244980

Ion	Ratio	Lower	Upper
43	100		
58	49.4	24.9	74.6

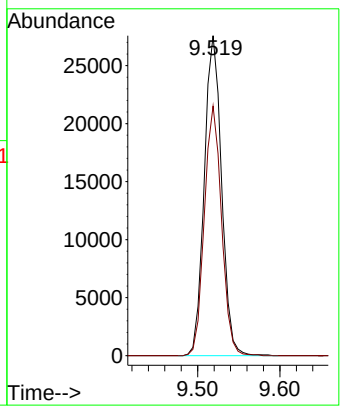




#60
Dibromochloromethane
Concen: 42.099 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:129 Resp: 4029

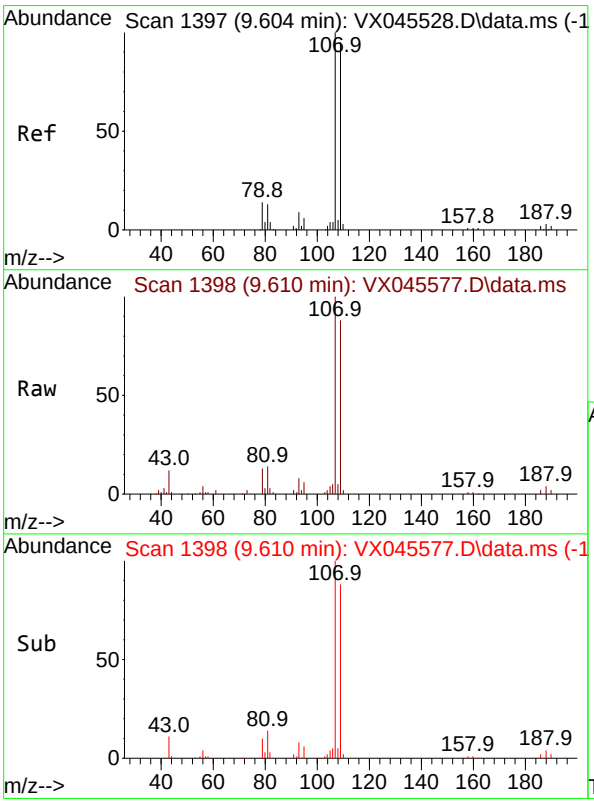
Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.4	118.2



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

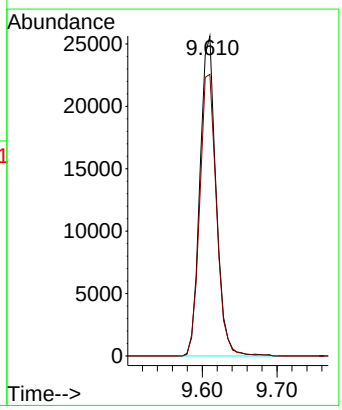
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

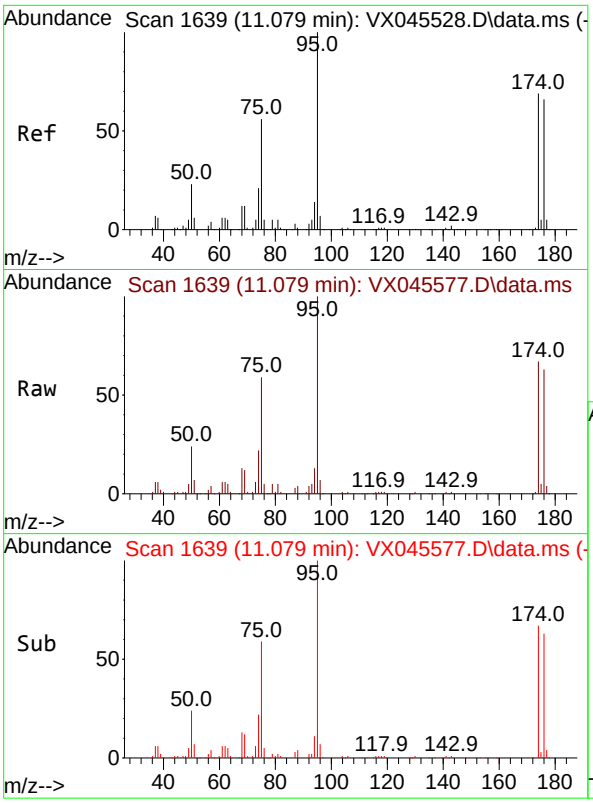


#61
1,2-Dibromoethane
Concen: 43.098 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:107 Resp: 38304

Ion	Ratio	Lower	Upper
107	100		
109	92.0	75.7	113.5

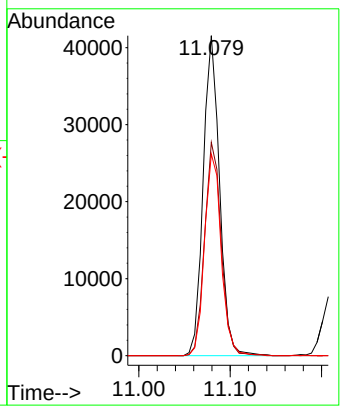




#62
4-Bromofluorobenzene
Concen: 45.976 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 95 Resp: 5161

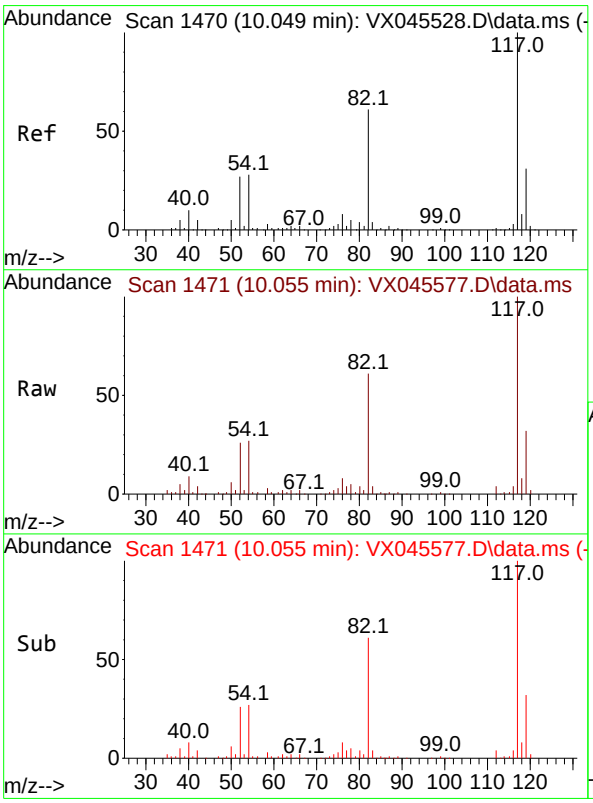
Ion	Ratio	Lower	Upper
95	100		
174	68.0	0.0	135.8
176	64.3	0.0	131.4



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations APPROVED

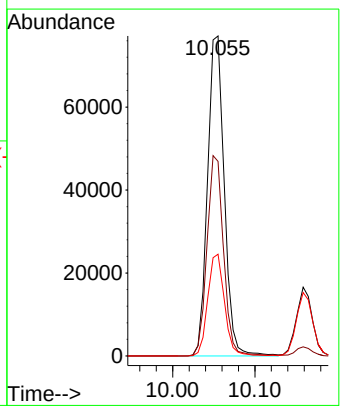
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

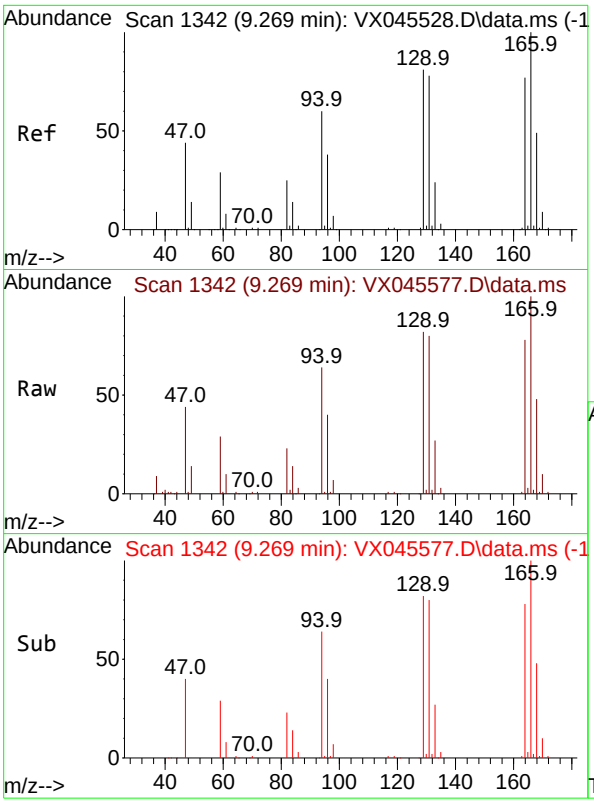


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:117 Resp: 109108

Ion	Ratio	Lower	Upper
117	100		
82	60.8	49.2	73.8
119	31.8	25.1	37.7

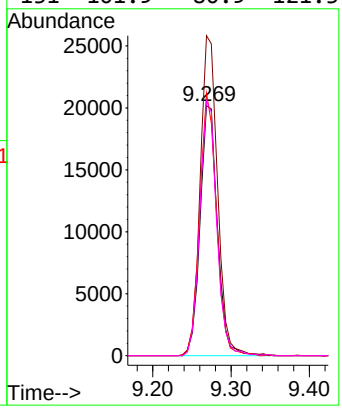




#64
Tetrachloroethene
Concen: 40.159 ug/l
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:164 Resp: 3093

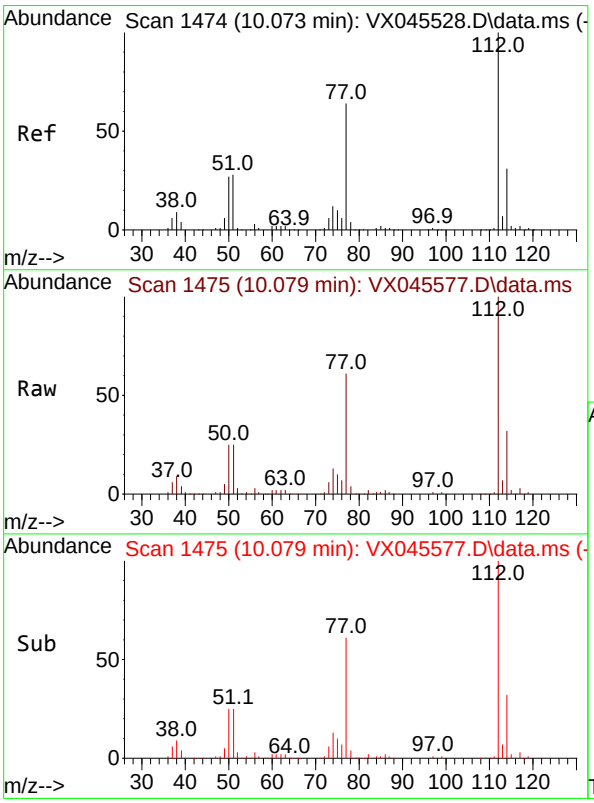
Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.8	155.8
129	105.0	84.3	126.5
131	101.9	80.9	121.3



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

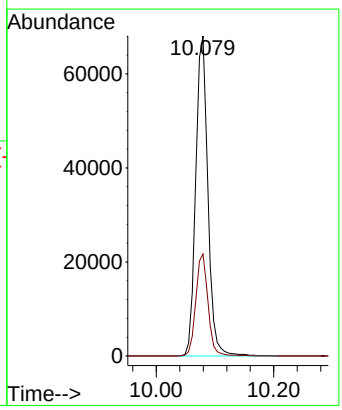
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

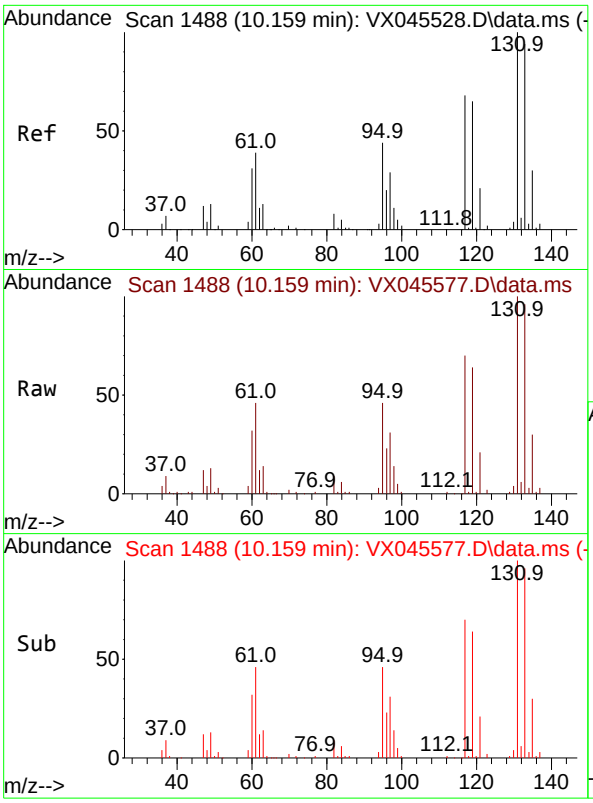


#65
Chlorobenzene
Concen: 42.027 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:112 Resp: 97984

Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.7	37.1





#66
1,1,1,2-Tetrachloroethane
Concen: 40.930 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

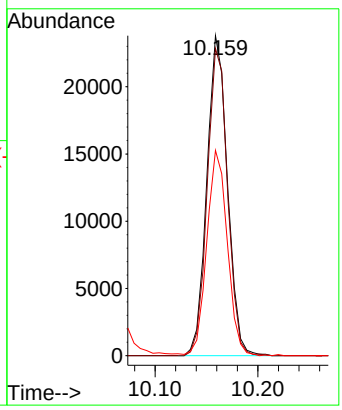
Tgt Ion:131 Resp: 3313

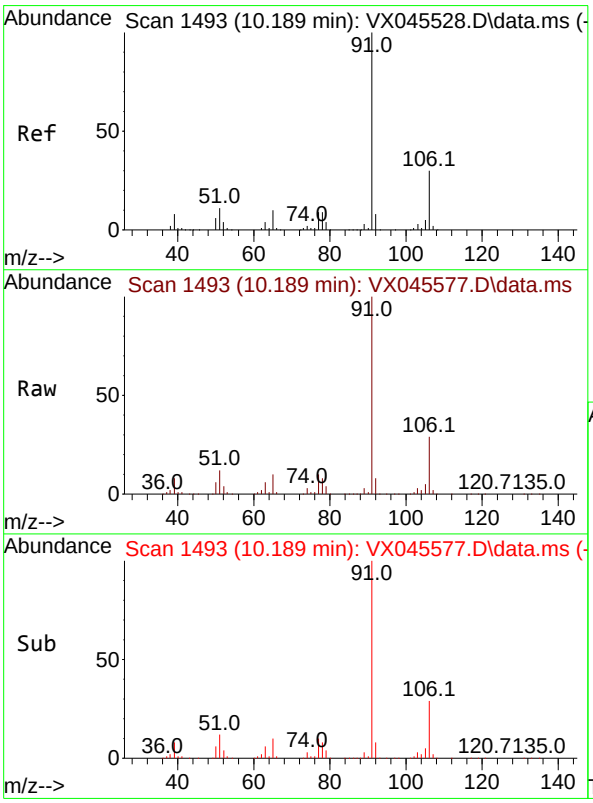
Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.5	142.5
119	64.1	32.9	98.6

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

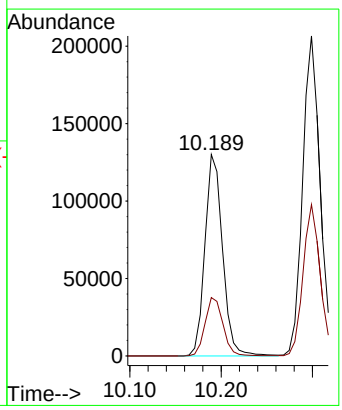


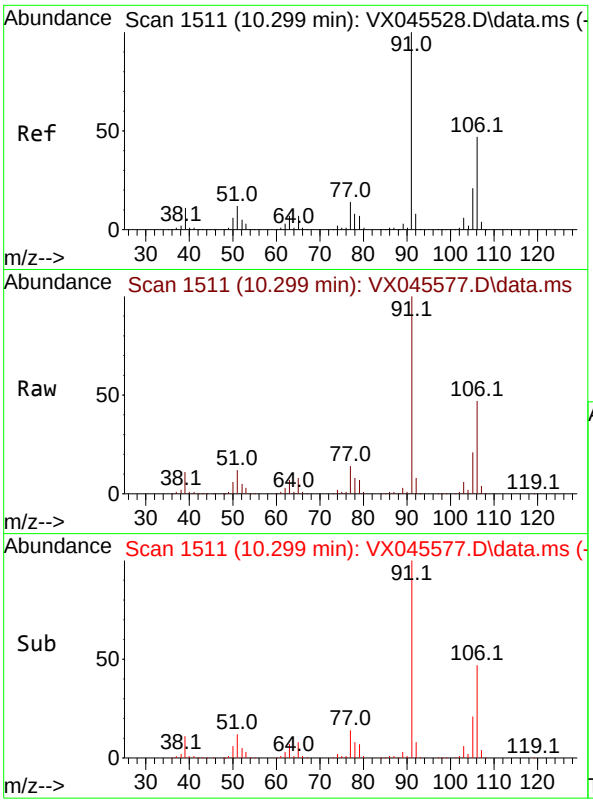


#67
Ethyl Benzene
Concen: 41.892 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 91 Resp: 174928

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.7	35.5





#68
m/p-Xylenes
Concen: 85.358 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

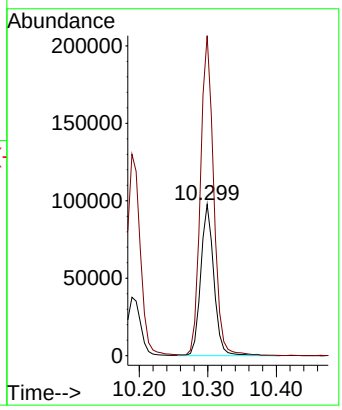
Tgt Ion:106 Resp: 12963

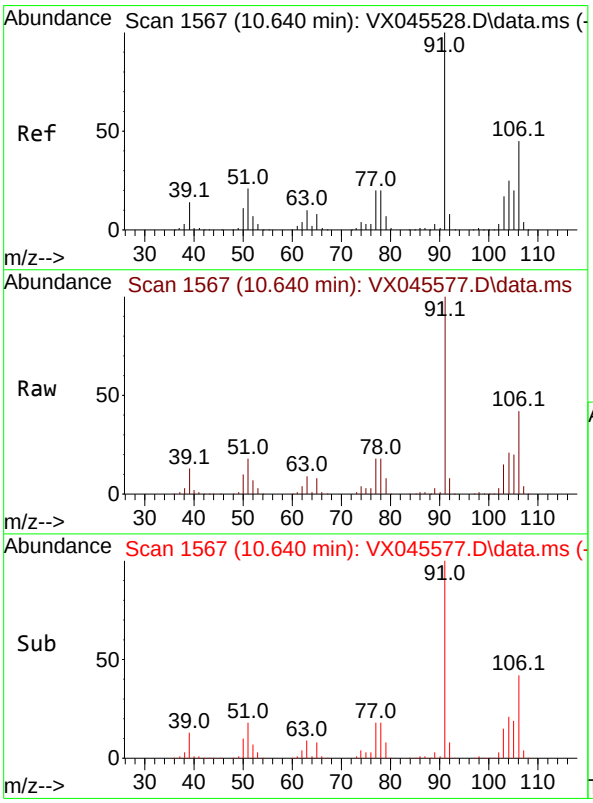
Ion	Ratio	Lower	Upper
106	100		
91	214.4	172.6	258.8

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

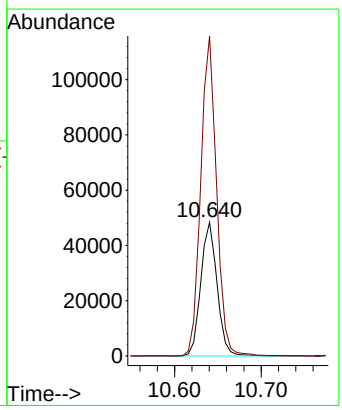


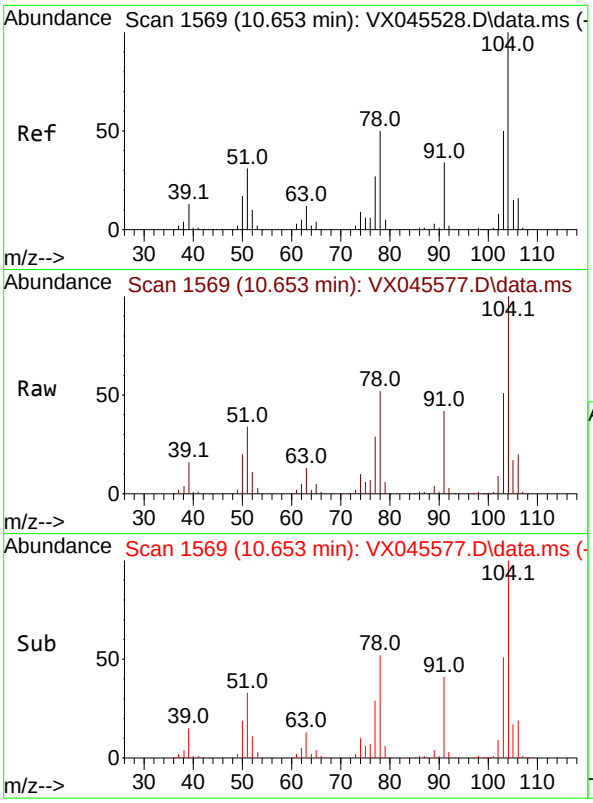


#69
o-Xylene
Concen: 42.080 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:106 Resp: 62955

Ion	Ratio	Lower	Upper
106	100		
91	232.6	113.6	340.6

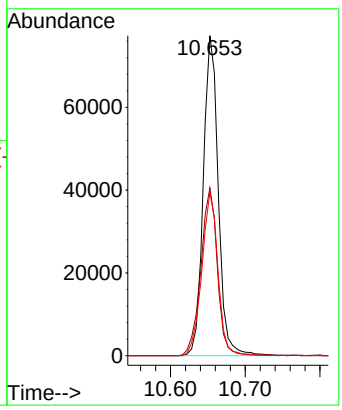




#70
Styrene
Concen: 43.611 ug/l
RT: 10.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:104 Resp: 10768

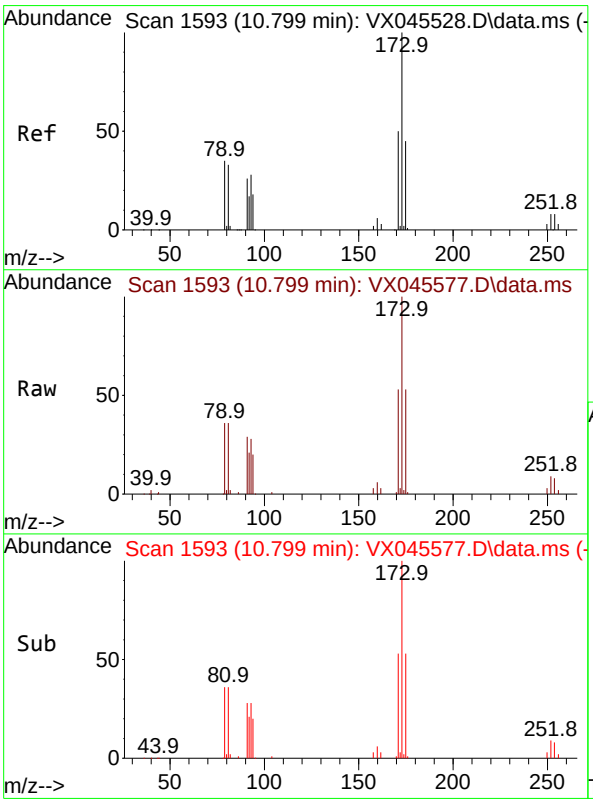
Ion	Ratio	Lower	Upper
104	100		
78	57.8	45.4	68.2
103	55.1	43.8	65.8



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

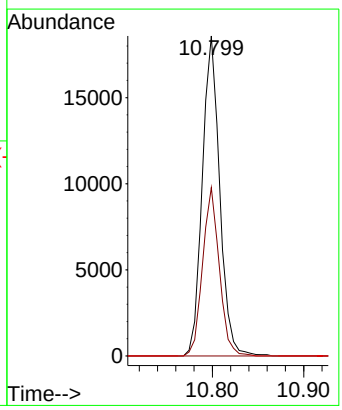
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

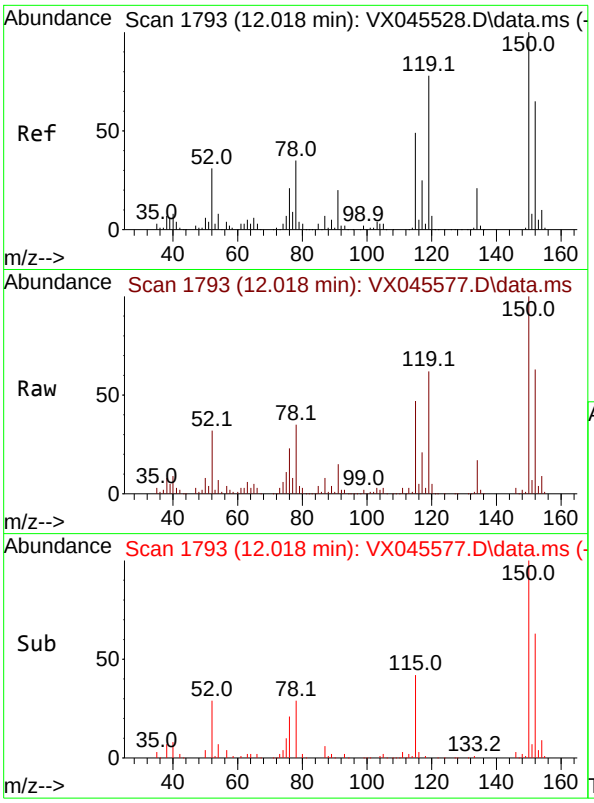


#71
Bromoform
Concen: 40.574 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:173 Resp: 24522

Ion	Ratio	Lower	Upper
173	100		
175	50.4	23.4	70.2
254	0.0	0.0	0.0

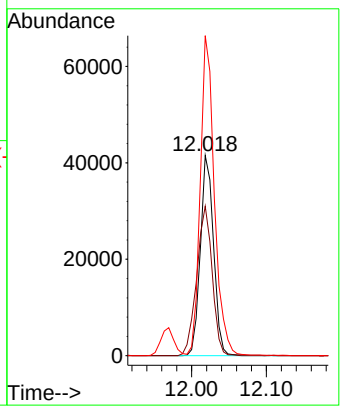




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:152 Resp: 5102

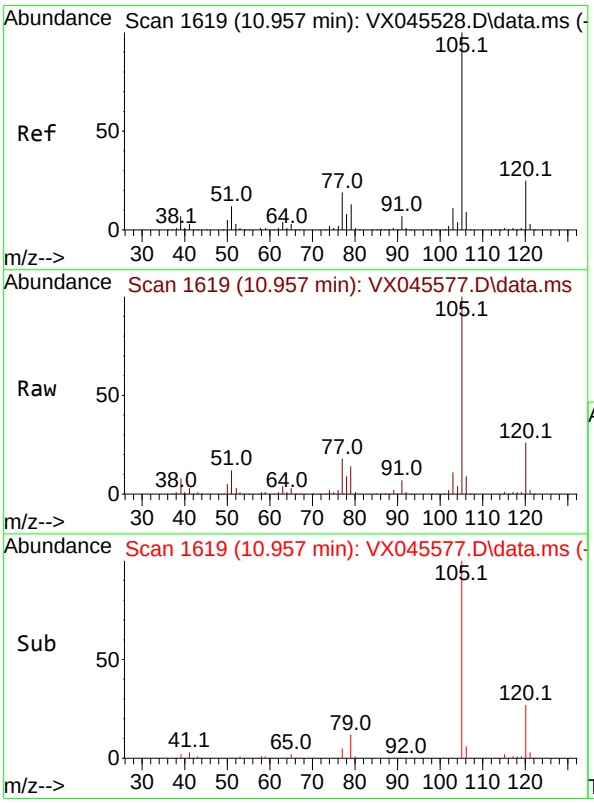
Ion	Ratio	Lower	Upper
152	100		
115	87.2	46.9	140.7
150	170.0	0.0	349.4



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

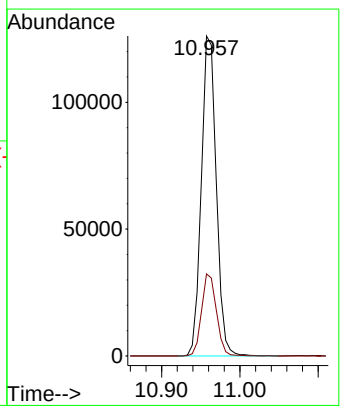
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

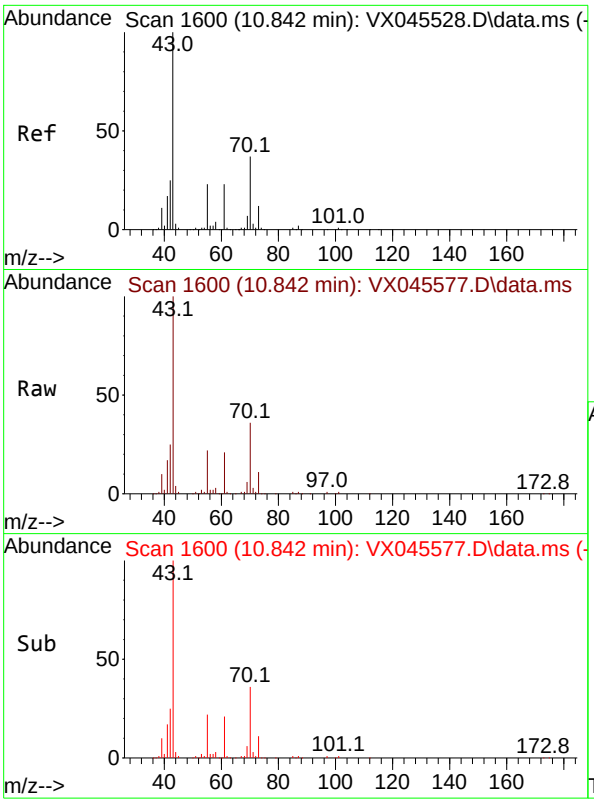


#73
Isopropylbenzene
Concen: 40.915 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:105 Resp: 167230

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.7	38.0

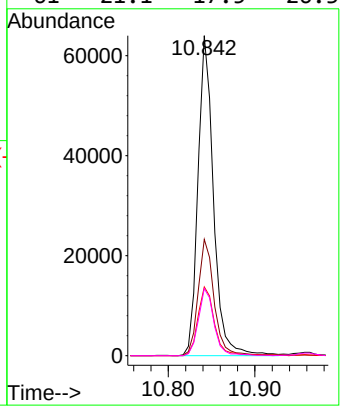




#74
N-amyl acetate
Concen: 40.809 ug/l
RT: 10.842 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 43 Resp: 7978

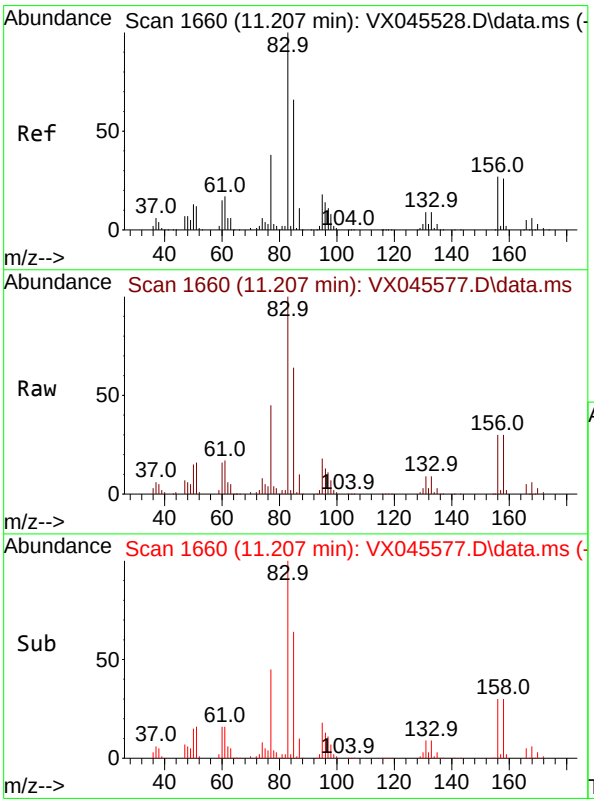
Ion	Ratio	Lower	Upper
43	100		
70	37.7	30.1	45.1
55	23.0	18.3	27.5
61	21.1	17.5	26.3



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

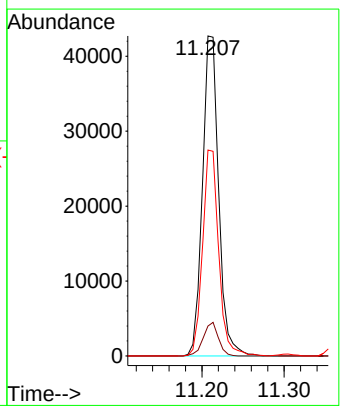
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

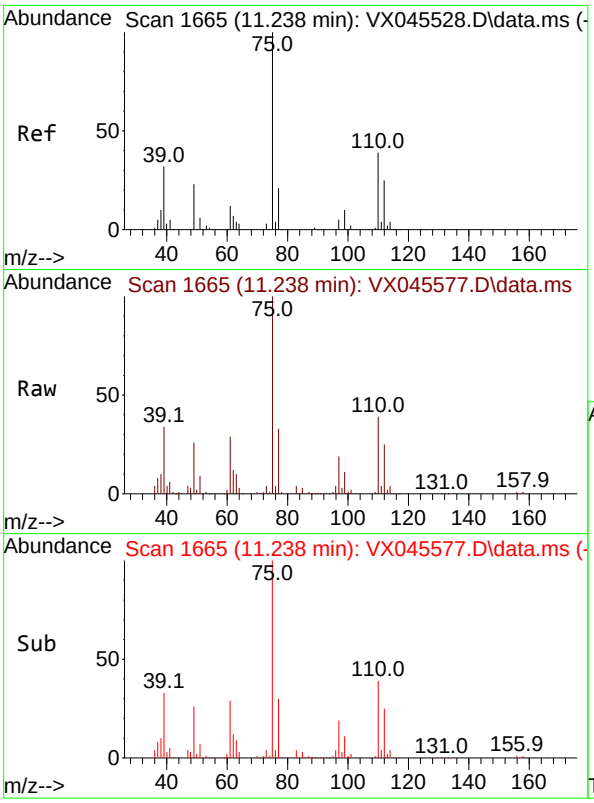


#75
1,1,2,2-Tetrachloroethane
Concen: 40.727 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 83 Resp: 58476

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.1
85	64.0	32.4	97.2





#76
1,2,3-Trichloropropane
Concen: 39.568 ug/l m
RT: 11.238 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

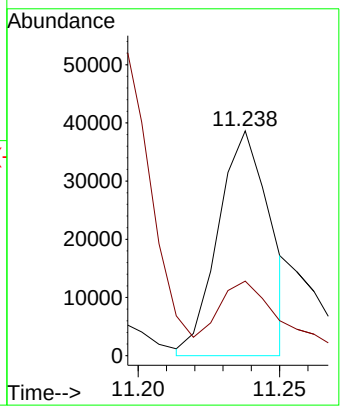
Tgt Ion: 75 Resp: 4924

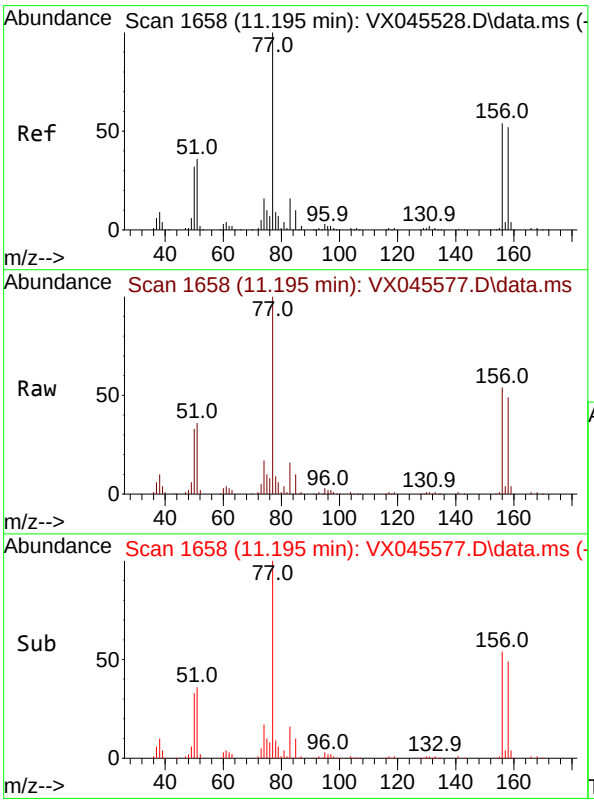
Ion	Ratio	Lower	Upper
75	100		
77	42.1	20.0	59.9

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

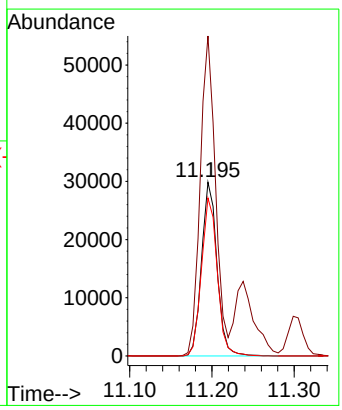


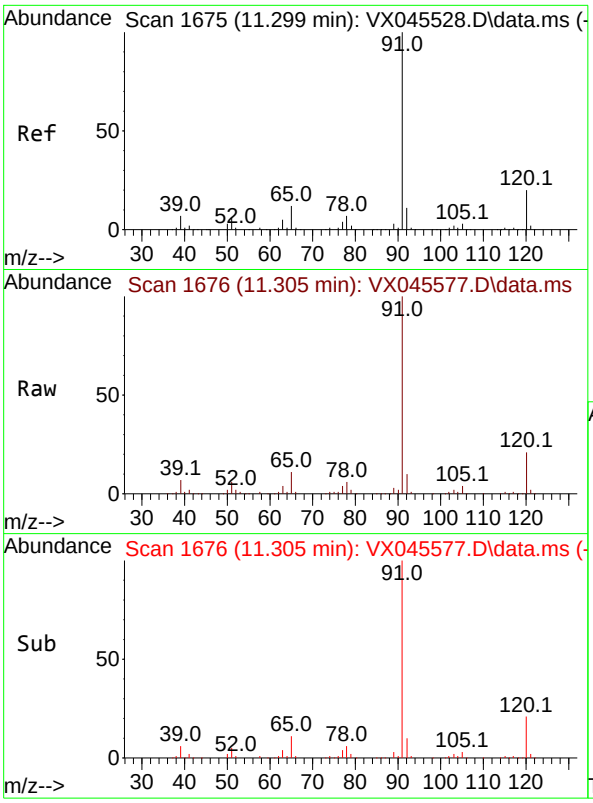


#77
Bromobenzene
Concen: 41.322 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:156 Resp: 39023

Ion	Ratio	Lower	Upper
156	100		
77	182.0	92.6	277.8
158	92.9	48.1	144.4





#78
n-propylbenzene
Concen: 41.291 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

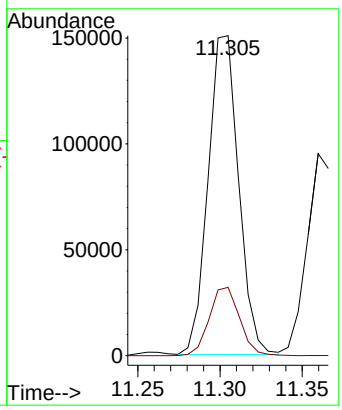
Tgt Ion: 91 Resp: 19438

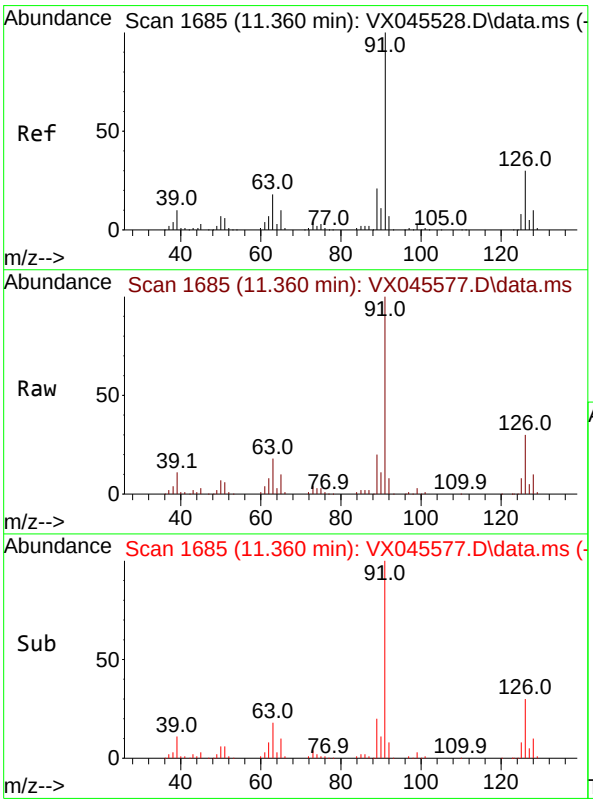
Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.3

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

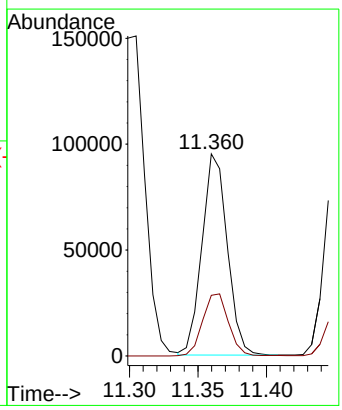


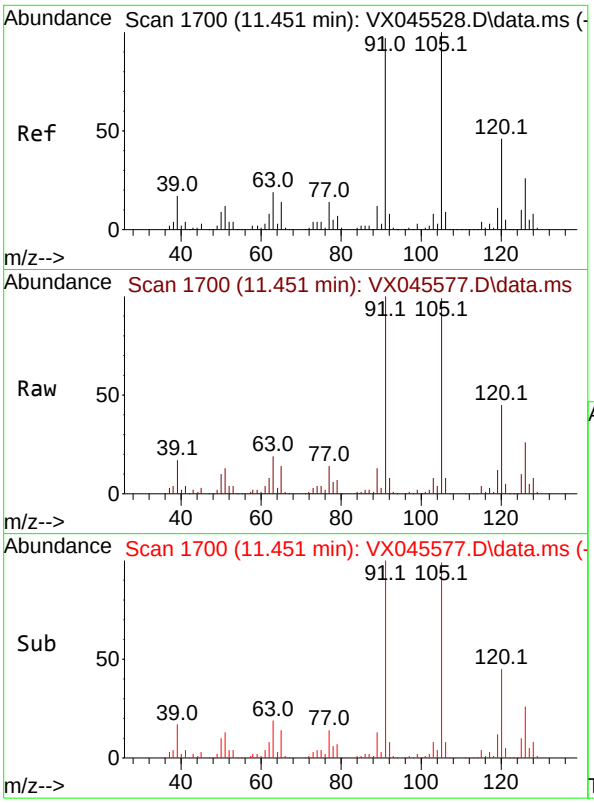


#79
2-Chlorotoluene
Concen: 40.544 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 91 Resp: 122025

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.8	47.4

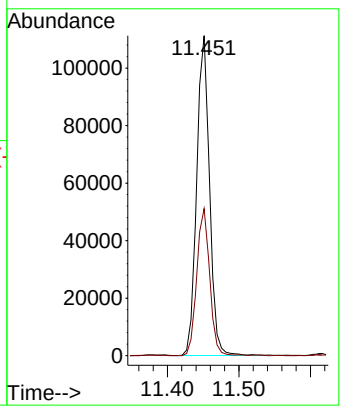




#80
1,3,5-Trimethylbenzene
Concen: 40.958 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:105 Resp: 13842

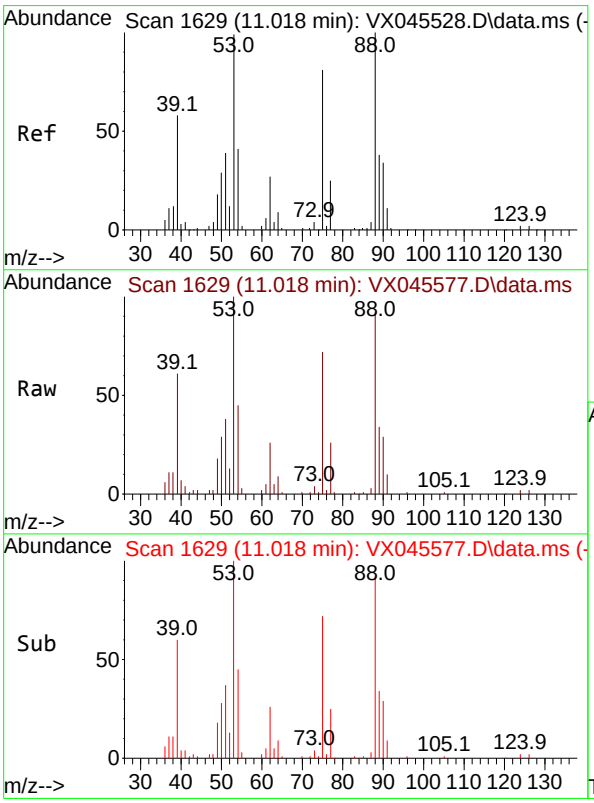
Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.0	69.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

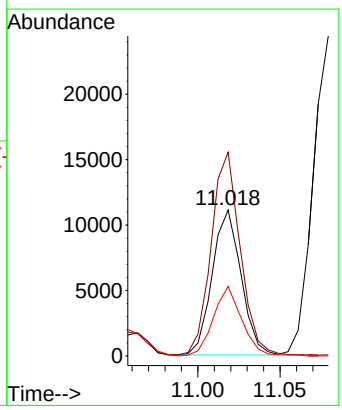
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

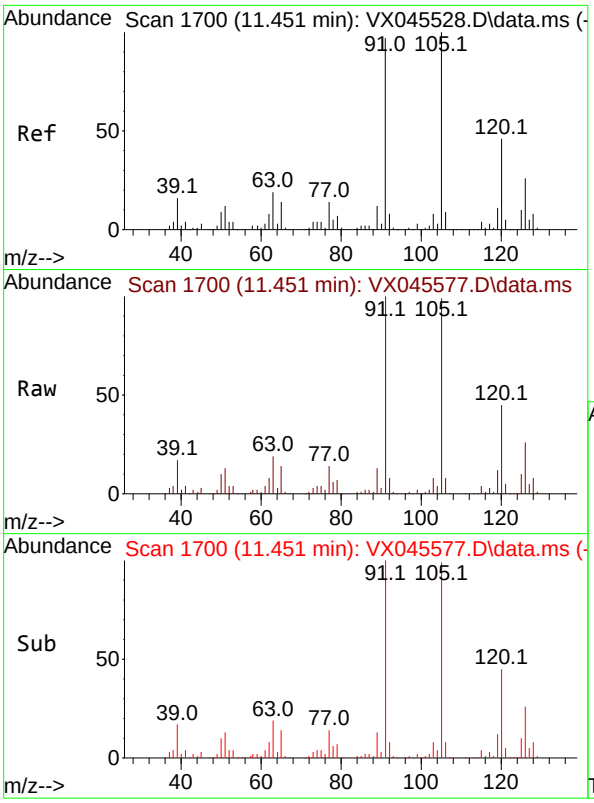


#81
trans-1,4-Dichloro-2-butene
Concen: 36.907 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 75 Resp: 13535

Ion	Ratio	Lower	Upper
75	100		
53	143.1	101.8	152.6
89	47.3	37.2	55.8





#82
4-Chlorotoluene
Concen: 41.866 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

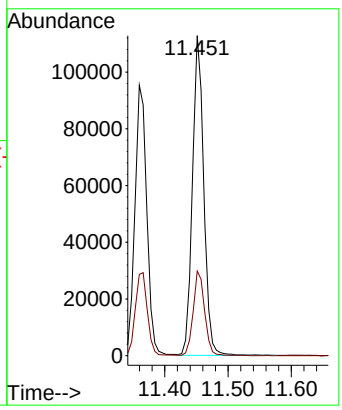
Tgt Ion: 91 Resp: 14048

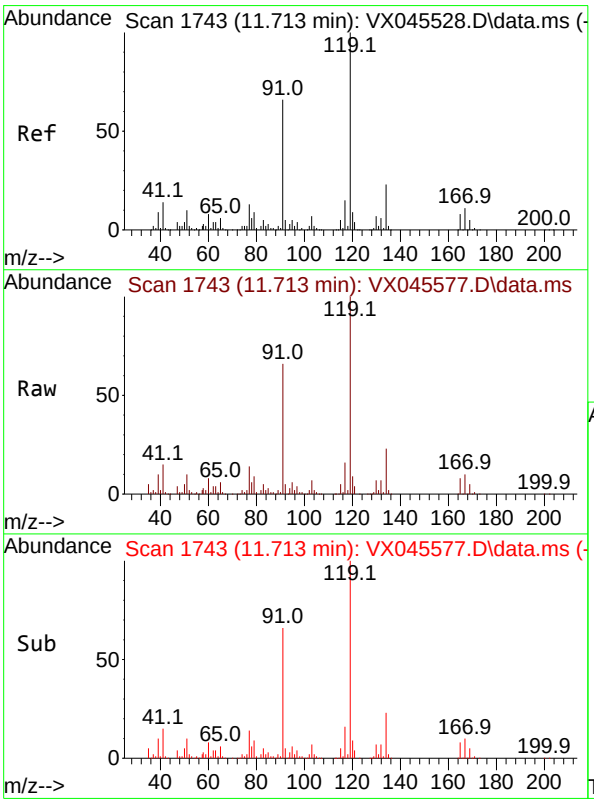
Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.9

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

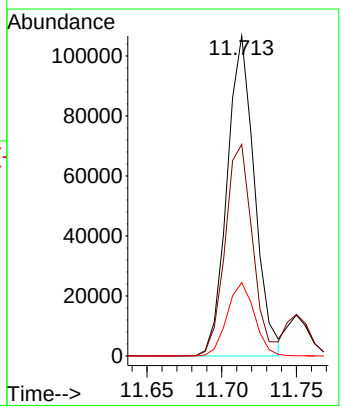


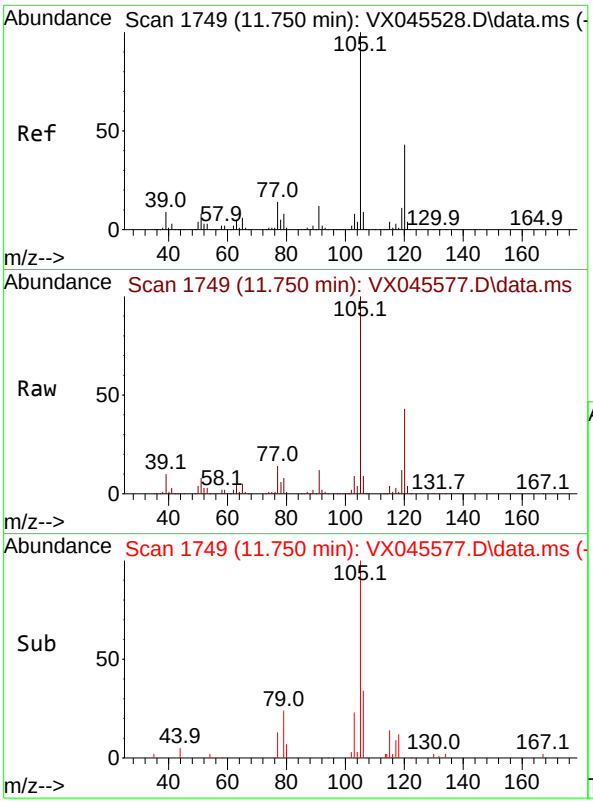


#83
tert-Butylbenzene
Concen: 40.577 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:119 Resp: 135774

Ion	Ratio	Lower	Upper
119	100		
91	66.6	32.4	97.2
134	22.9	11.5	34.5

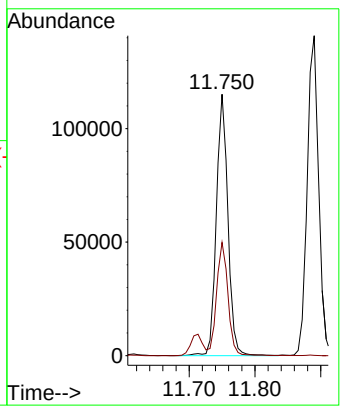




#84
1,2,4-Trimethylbenzene
Concen: 41.550 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:105 Resp: 14094

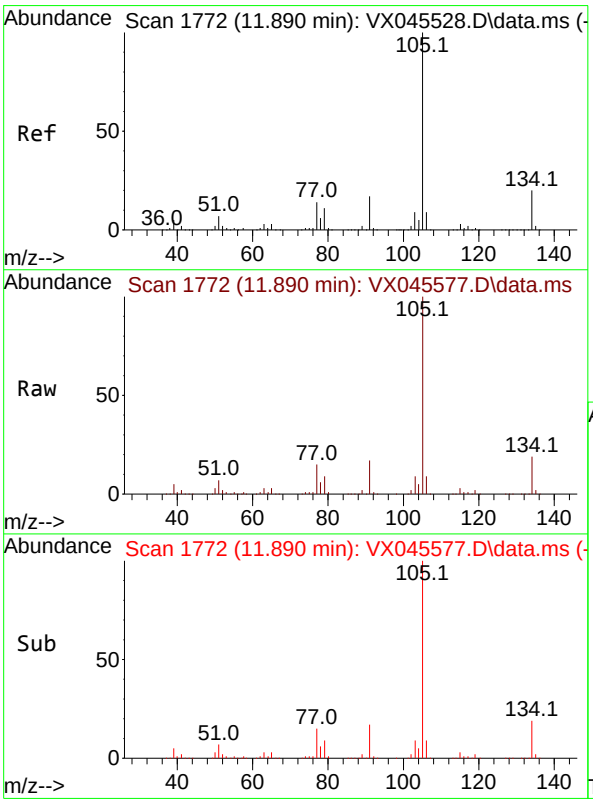
Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.4	64.3



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

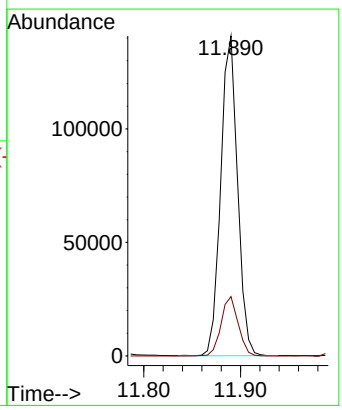
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

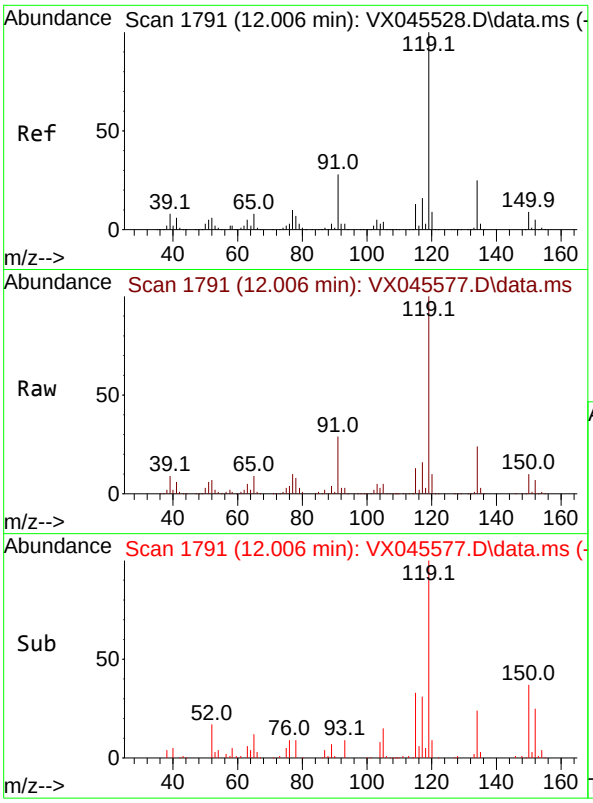


#85
sec-Butylbenzene
Concen: 41.307 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:105 Resp: 169765

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6

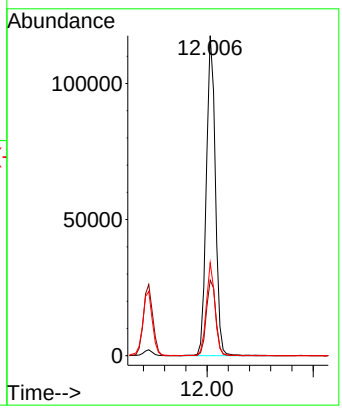




#86
p-Isopropyltoluene
Concen: 40.807 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:119 Resp: 13826

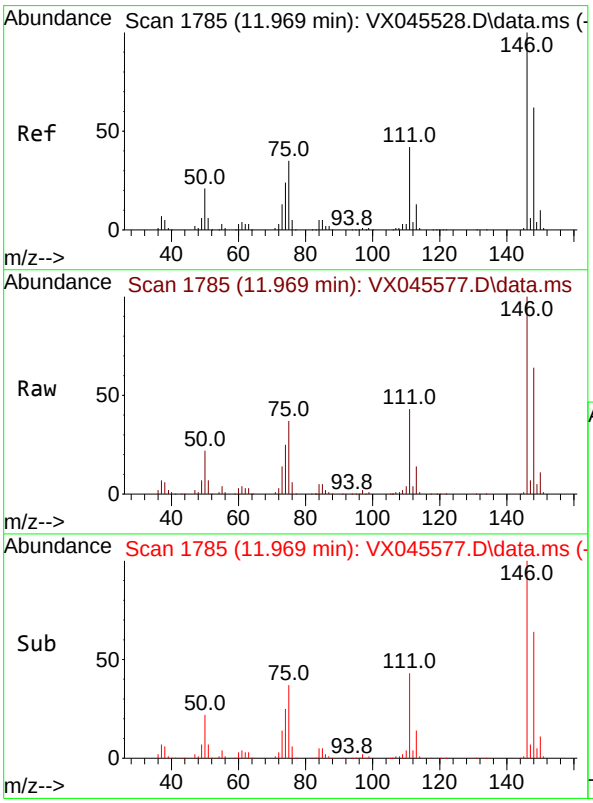
Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.6	37.8
91	27.8	13.7	41.1



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

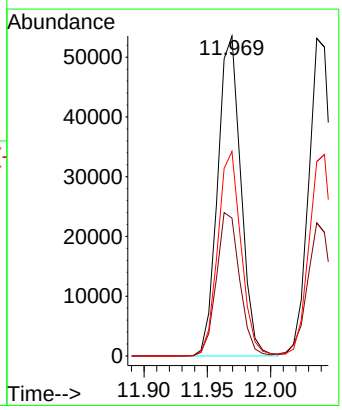
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

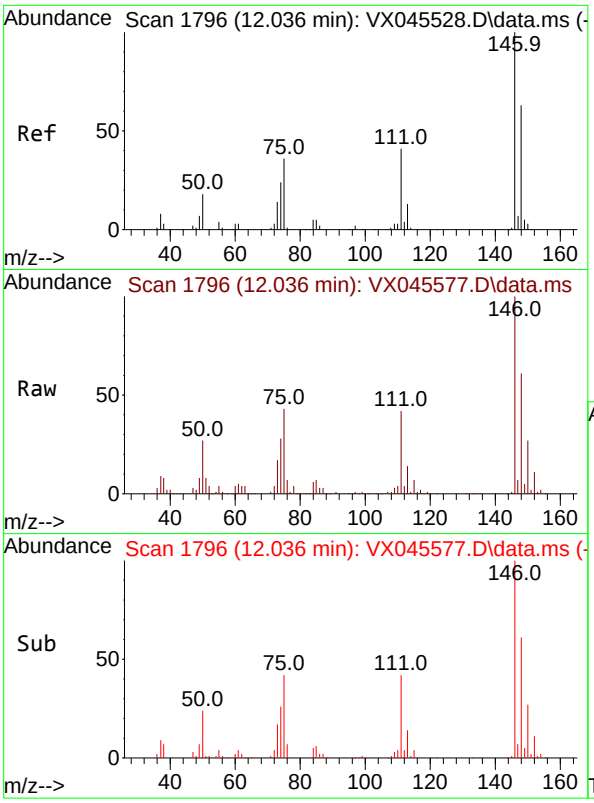


#87
1,3-Dichlorobenzene
Concen: 39.704 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:146 Resp: 68253

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.2	66.6
148	64.2	31.9	95.7

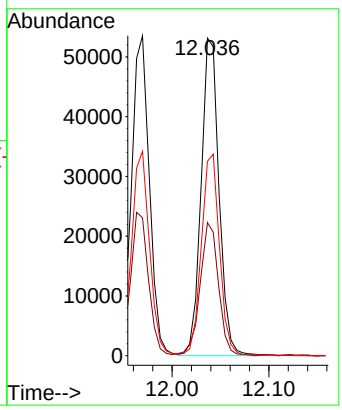




#88
1,4-Dichlorobenzene
Concen: 39.473 ug/l
RT: 12.036 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:146 Resp: 6879

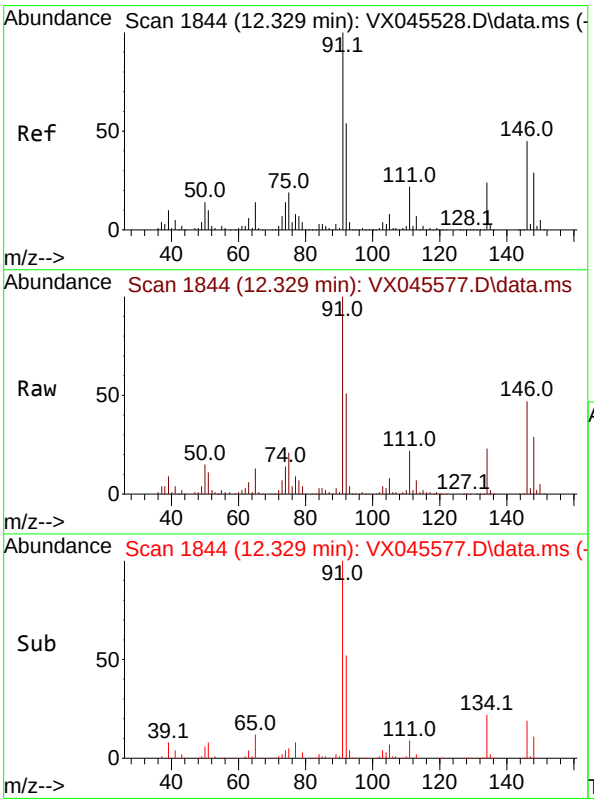
Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.9	62.8
148	64.7	31.5	94.5



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

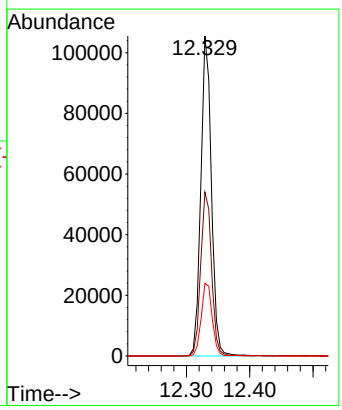
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

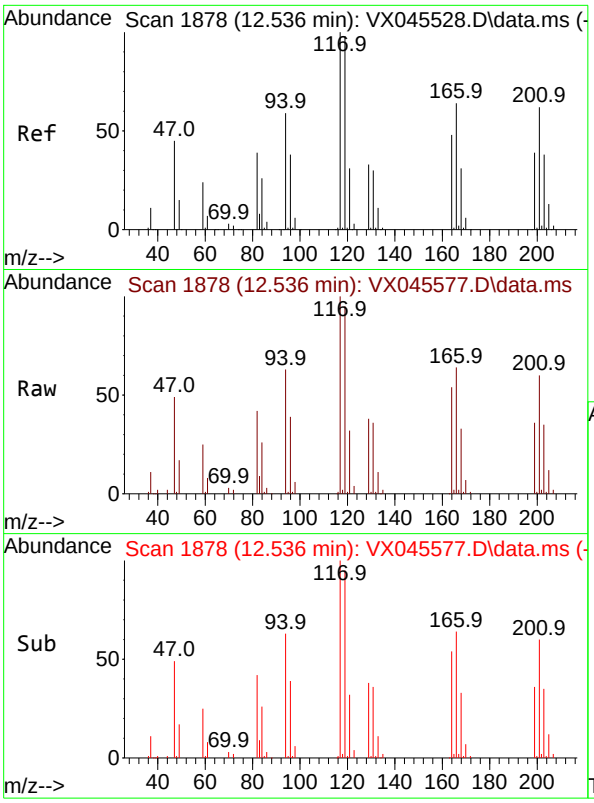


#89
n-Butylbenzene
Concen: 41.918 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion: 91 Resp: 123161

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.9	80.6
134	23.6	11.9	35.7

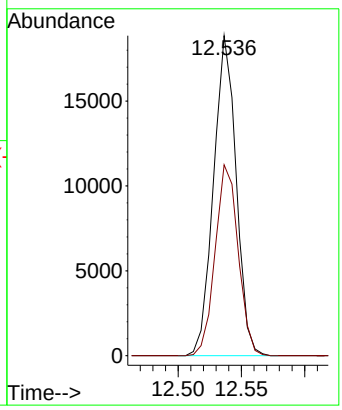




#90
Hexachloroethane
Concen: 40.163 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:117 Resp: 2338

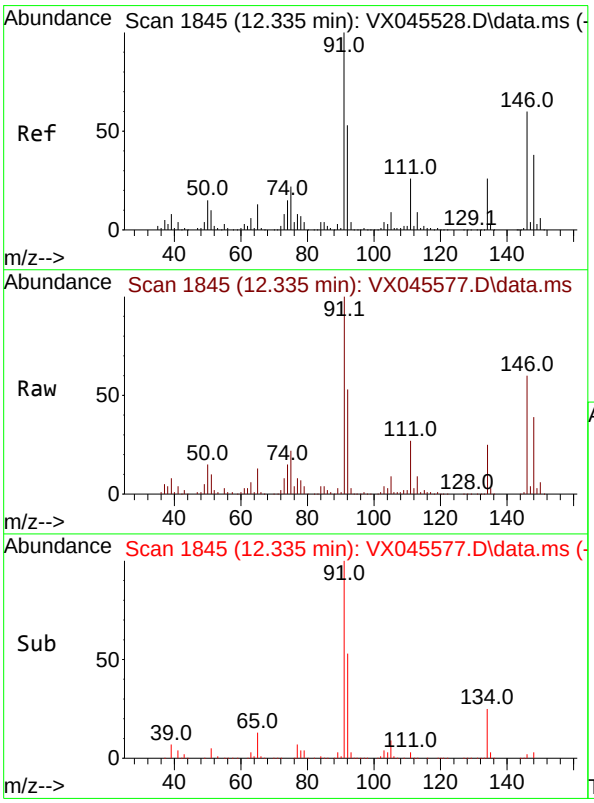
Ion	Ratio	Lower	Upper
117	100		
201	60.8	31.2	93.6



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

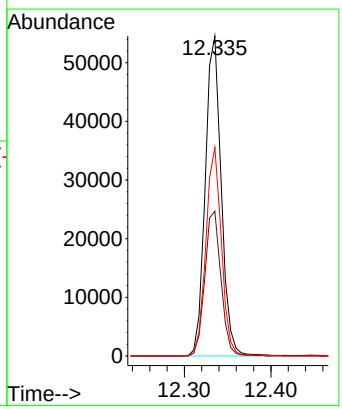
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

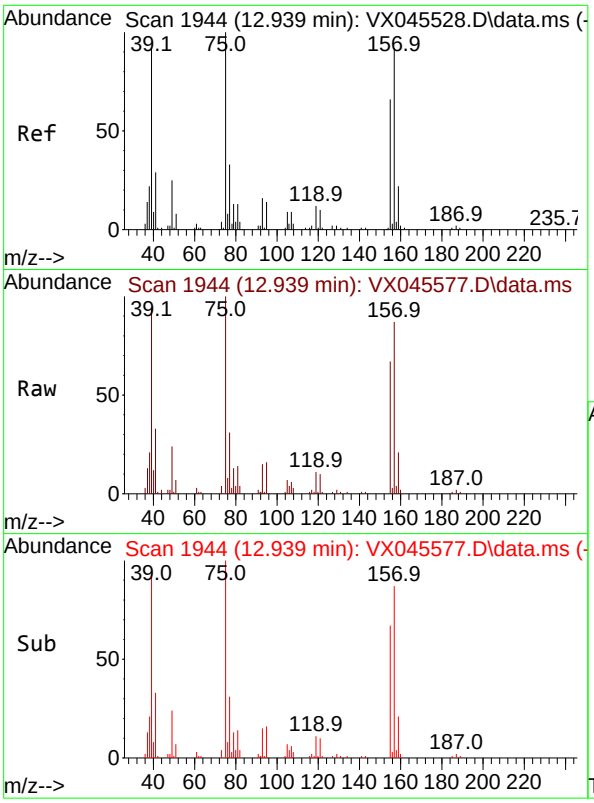


#91
1,2-Dichlorobenzene
Concen: 40.959 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:146 Resp: 70002

Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.9	68.8
148	63.2	31.9	95.5





#92
1,2-Dibromo-3-Chloropropane
Concen: 42.015 ug/l
RT: 12.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

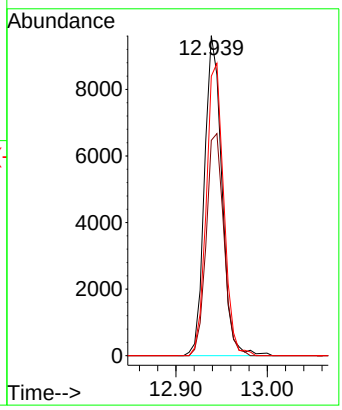
Tgt Ion: 75 Resp: 1261

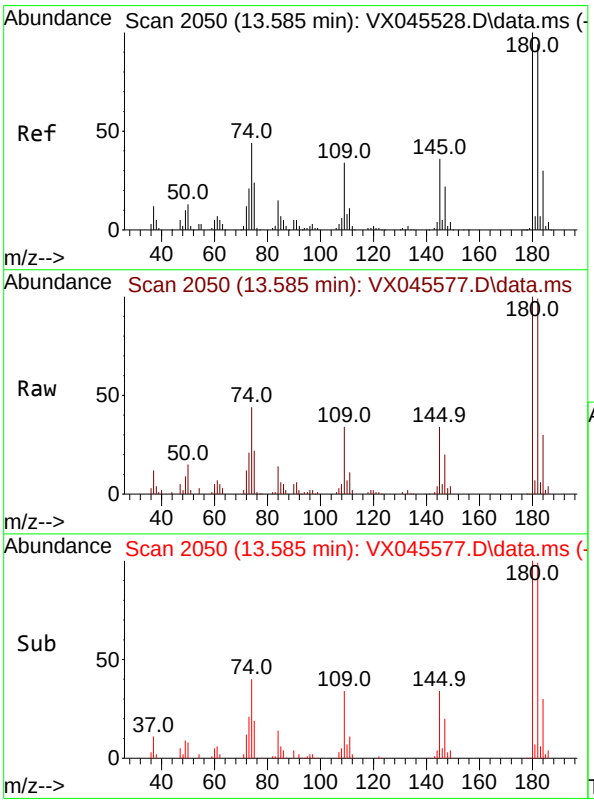
Ion	Ratio	Lower	Upper
75	100		
155	70.6	34.9	104.7
157	91.8	44.9	134.7

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

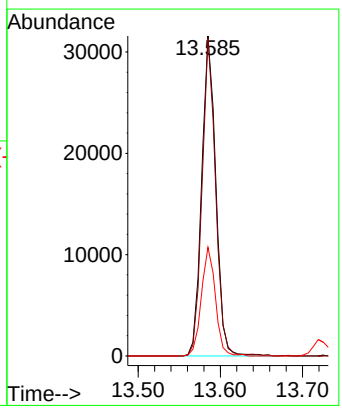


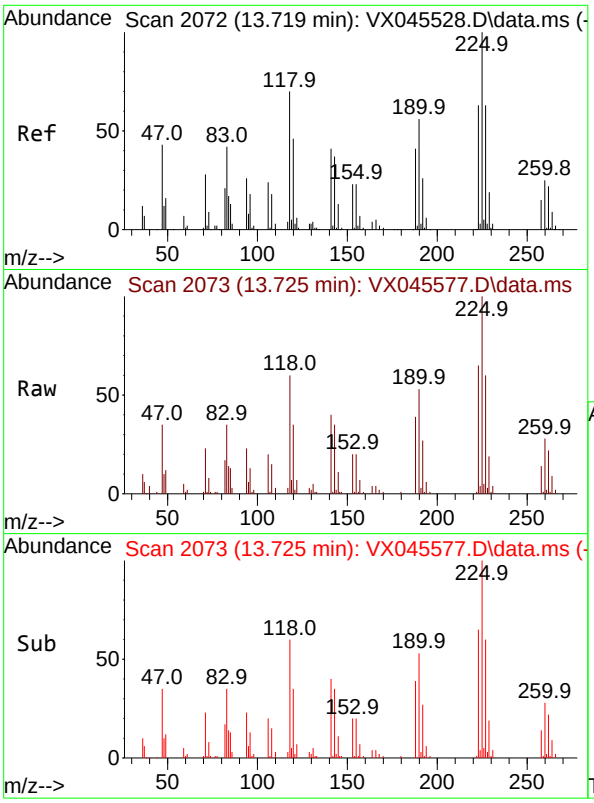


#93
1,2,4-Trichlorobenzene
Concen: 39.634 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:180 Resp: 37705

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.6
145	33.7	17.9	53.8

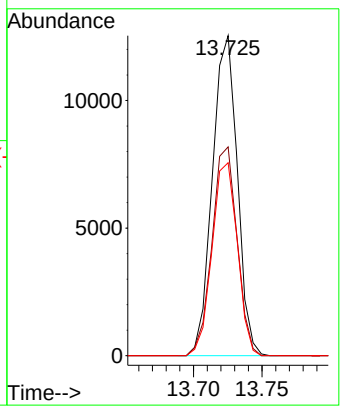




#94
Hexachlorobutadiene
Concen: 38.647 ug/l
RT: 13.725 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:225 Resp: 1584

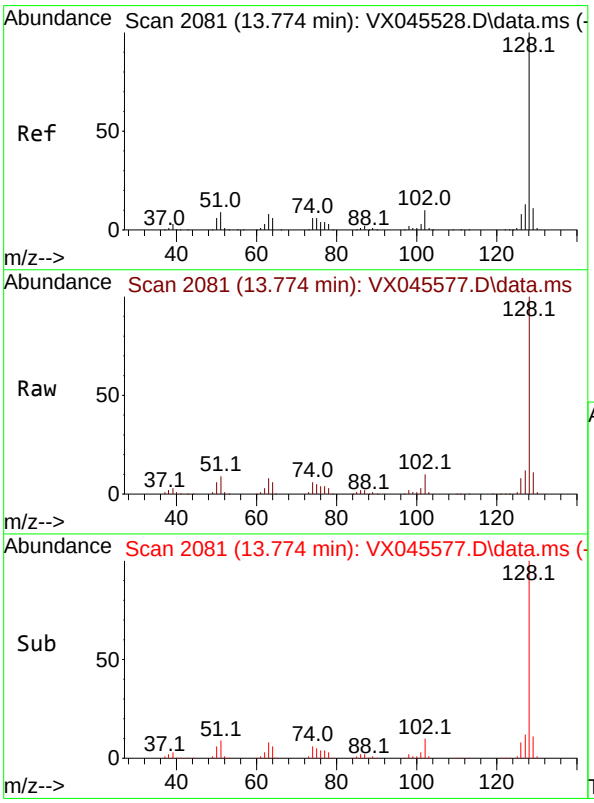
Ion	Ratio	Lower	Upper
225	100		
223	65.8	31.1	93.3
227	61.3	32.2	96.6



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

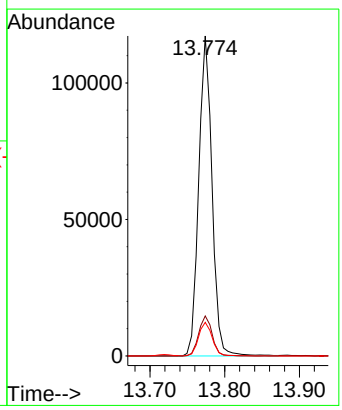
Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

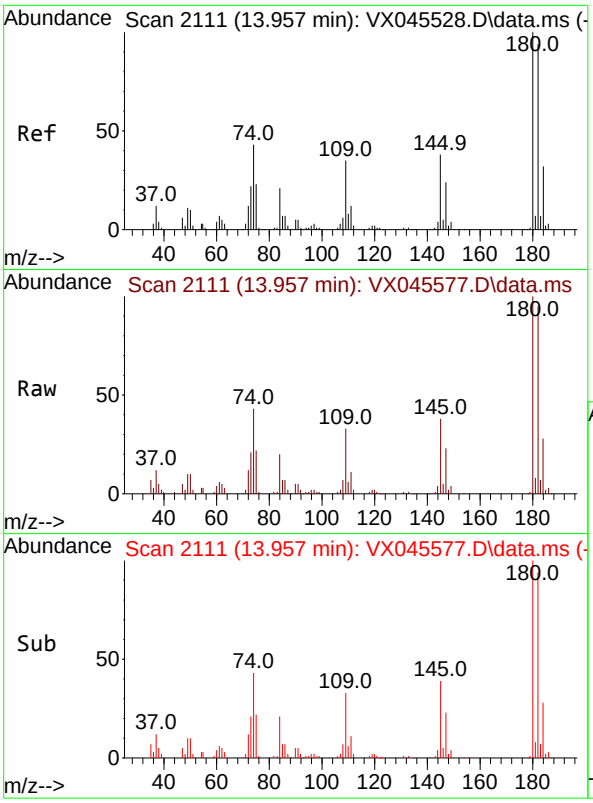


#95
Naphthalene
Concen: 40.810 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:128 Resp: 144479

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.6	12.8

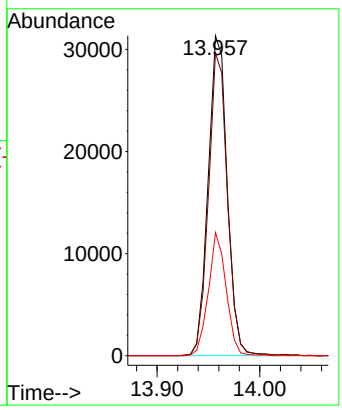




#96
1,2,3-Trichlorobenzene
Concen: 40.543 ug/l
RT: 13.957 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045577.D
Acq: 03 Apr 2025 17:33

Tgt Ion:180 Resp: 4038

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.8
145	36.0	18.2	54.6



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/04/2025
Supervised By :Mahesh Dadoda 04/04/2025

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

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

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

Manual Integration Report

Sequence:	vx040325	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045559.D	1,2,3-Trichloropropane	Sam	4/4/2025 7:55:26 AM	mmdadoda	4/4/2025 7:58:07 AM	Peak Integrated by Software
VX0403WBS01	VX045563.D	1,2,3-Trichloropropane	Sam	4/4/2025 7:55:28 AM	mmdadoda	4/4/2025 7:57:38 AM	Peak Integrated by Software
Q1711-03MSD	VX045577.D	1,2,3-Trichloropropane	Sam	4/4/2025 7:55:33 AM	mmdadoda	4/4/2025 7:57:44 AM	Peak Integrated by Software
VSTDCCC050	VX045584.D	1,2,3-Trichloropropane	Sam	4/4/2025 7:55:35 AM	mmdadoda	4/4/2025 7:57:46 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vx040425	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045586.D	1,2,3-Trichloropropane	JOHN	4/7/2025 9:56:35 AM	MMDadoda	4/7/2025 11:32:09 AM	Peak Integrated by Software
VX0404WBS01	VX045589.D	1,2,3-Trichloropropane	JOHN	4/7/2025 9:56:40 AM	MMDadoda	4/7/2025 11:32:13 AM	Peak Integrated by Software
Q1711-02MS	VX045591.D	1,2,3-Trichloropropane	JOHN	4/7/2025 9:56:50 AM	MMDadoda	4/7/2025 11:32:21 AM	Peak Integrated by Software
VSTDCCC050	VX045612.D	1,2,3-Trichloropropane	JOHN	4/7/2025 9:57:10 AM	MMDadoda	4/7/2025 11:32:29 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # 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

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # 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

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040325

Review By	Semsettin Yesilyurt	Review On	4/4/2025 7:55:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/4/2025 7:58:30 AM		
SubDirectory	VX040325	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133576
Initial Calibration Stds	
CCC	VP133577,VP133578
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045558.D	03 Apr 2025 10:01	JC/MD	Ok
2	VSTDCCC050	VX045559.D	03 Apr 2025 10:30	JC/MD	Ok,M
3	VX0403MBL01	VX045560.D	03 Apr 2025 10:58	JC/MD	Ok
4	VX0403WBL01	VX045561.D	03 Apr 2025 11:21	JC/MD	Ok
5	Q1697-06	VX045562.D	03 Apr 2025 11:45	JC/MD	Ok
6	VX0403WBS01	VX045563.D	03 Apr 2025 12:08	JC/MD	Ok,M
7	Q1711-01	VX045564.D	03 Apr 2025 12:31	JC/MD	Not Ok
8	Q1711-04	VX045565.D	03 Apr 2025 12:54	JC/MD	Not Ok
9	Q1711-07	VX045566.D	03 Apr 2025 13:18	JC/MD	Not Ok
10	VX0403WBSD01	VX045567.D	03 Apr 2025 13:41	JC/MD	Ok,M
11	Q1711-07	VX045568.D	03 Apr 2025 14:04	JC/MD	Ok
12	Q1711-04	VX045569.D	03 Apr 2025 14:27	JC/MD	Ok
13	IBLK	VX045570.D	03 Apr 2025 14:50	JC/MD	Ok
14	Q1711-10	VX045571.D	03 Apr 2025 15:14	JC/MD	Ok
15	Q1711-08	VX045572.D	03 Apr 2025 15:37	JC/MD	Ok
16	Q1711-05	VX045573.D	03 Apr 2025 16:00	JC/MD	Not Ok
17	Q1711-06	VX045574.D	03 Apr 2025 16:23	JC/MD	Not Ok
18	Q1711-01	VX045575.D	03 Apr 2025 16:47	JC/MD	Ok
19	Q1711-02MS	VX045576.D	03 Apr 2025 17:10	JC/MD	Not Ok
20	Q1711-03MSD	VX045577.D	03 Apr 2025 17:33	JC/MD	Ok,M
21	IBLK	VX045578.D	03 Apr 2025 17:56	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040325

Review By	Semsettin Yesilyurt	Review On	4/4/2025 7:55:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/4/2025 7:58:30 AM		
SubDirectory	VX040325	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133576
Initial Calibration Stds	
CCC	VP133577,VP133578
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	IBLK	VX045579.D	03 Apr 2025 18:19	JC/MD	Ok
23	Q1676-01	VX045580.D	03 Apr 2025 18:43	JC/MD	Ok
24	Q1676-02	VX045581.D	03 Apr 2025 19:06	JC/MD	Ok
25	Q1676-03	VX045582.D	03 Apr 2025 19:29	JC/MD	Ok
26	Q1676-04	VX045583.D	03 Apr 2025 19:52	JC/MD	Ok
27	VSTDCCC050	VX045584.D	03 Apr 2025 20:15	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040425

Review By	John Carlone	Review On	4/7/2025 9:58:56 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/7/2025 12:14:08 PM		
SubDirectory	VX040425	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133596
Initial Calibration Stds	
CCC	VP133597,VP133598
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045585.D	04 Apr 2025 09:31	JC/MD	Ok
2	VSTDCCC050	VX045586.D	04 Apr 2025 10:00	JC/MD	Ok,M
3	VX0404MBL01	VX045587.D	04 Apr 2025 10:28	JC/MD	Ok
4	VX0404WBL01	VX045588.D	04 Apr 2025 10:51	JC/MD	Ok
5	VX0404WBS01	VX045589.D	04 Apr 2025 11:14	JC/MD	Ok,M
6	VX0404WBSD01	VX045590.D	04 Apr 2025 11:40	JC/MD	Ok,M
7	Q1711-02MS	VX045591.D	04 Apr 2025 12:04	JC/MD	Ok,M
8	IBLK	VX045592.D	04 Apr 2025 12:27	JC/MD	Ok
9	Q1716-01	VX045593.D	04 Apr 2025 12:50	JC/MD	Ok
10	Q1731-04	VX045594.D	04 Apr 2025 13:13	JC/MD	Not Ok
11	Q1731-01	VX045595.D	04 Apr 2025 13:37	JC/MD	Not Ok
12	Q1731-02	VX045596.D	04 Apr 2025 14:00	JC/MD	Not Ok
13	Q1731-03	VX045597.D	04 Apr 2025 14:23	JC/MD	Not Ok
14	IBLK	VX045598.D	04 Apr 2025 14:46	JC/MD	Ok
15	Q1731-07	VX045599.D	04 Apr 2025 15:10	JC/MD	Ok
16	Q1731-05	VX045600.D	04 Apr 2025 15:33	JC/MD	Ok
17	PB167448TB	VX045601.D	04 Apr 2025 15:56	JC/MD	Ok
18	PB167448ZHE#01	VX045602.D	04 Apr 2025 16:19	JC/MD	Ok
19	PB167448ZHE#02	VX045603.D	04 Apr 2025 16:42	JC/MD	Ok
20	PB167448ZHE#03	VX045604.D	04 Apr 2025 17:06	JC/MD	Ok
21	PB167448ZHE#04	VX045605.D	04 Apr 2025 17:29	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040425

Review By	John Carlone	Review On	4/7/2025 9:58:56 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/7/2025 12:14:08 PM		
SubDirectory	VX040425	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133596
Initial Calibration Stds	
CCC	VP133597,VP133598
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB167448ZHE#05	VX045606.D	04 Apr 2025 17:52	JC/MD	Ok,M
23	Q1694-04	VX045607.D	04 Apr 2025 18:15	JC/MD	Ok
24	Q1695-04	VX045608.D	04 Apr 2025 18:38	JC/MD	Ok
25	Q1695-08	VX045609.D	04 Apr 2025 19:01	JC/MD	Ok
26	Q1712-04	VX045610.D	04 Apr 2025 19:24	JC/MD	Ok
27	Q1712-08	VX045611.D	04 Apr 2025 19:48	JC/MD	Ok
28	VSTDCCC050	VX045612.D	04 Apr 2025 20:11	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # 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

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # 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

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040325

Review By	Semsettin Yesilyurt	Review On	4/4/2025 7:55:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/4/2025 7:58:30 AM		
SubDirectory	VX040325	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133576
Initial Calibration Stds	
CCC	VP133577,VP133578
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	VX045558.D	03 Apr 2025 10:01		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045559.D	03 Apr 2025 10:30	pH#Lot#V12668	JC/MD	Ok,M
3	VX0403MBL01	VX0403MBL01	VX045560.D	03 Apr 2025 10:58		JC/MD	Ok
4	VX0403WBL01	VX0403WBL01	VX045561.D	03 Apr 2025 11:21		JC/MD	Ok
5	Q1697-06	TB-01-040125	VX045562.D	03 Apr 2025 11:45	vial B pH<2 TB	JC/MD	Ok
6	VX0403WBS01	VX0403WBS01	VX045563.D	03 Apr 2025 12:08		JC/MD	Ok,M
7	Q1711-01	MW-18B-56-040225	VX045564.D	03 Apr 2025 12:31	Need lower dilution	JC/MD	Not Ok
8	Q1711-04	MW-17B-55-040225	VX045565.D	03 Apr 2025 12:54	Need lower dilution	JC/MD	Not Ok
9	Q1711-07	RMW-05B-89-040225	VX045566.D	03 Apr 2025 13:18	Need Straight Run	JC/MD	Not Ok
10	VX0403WBSD01	VX0403WBSD01	VX045567.D	03 Apr 2025 13:41		JC/MD	Ok,M
11	Q1711-07	RMW-05B-89-040225	VX045568.D	03 Apr 2025 14:04	vial A pH<2	JC/MD	Ok
12	Q1711-04	MW-17B-55-040225	VX045569.D	03 Apr 2025 14:27	vial A pH<2	JC/MD	Ok
13	IBLK	IBLK	VX045570.D	03 Apr 2025 14:50		JC/MD	Ok
14	Q1711-10	TB01-040225	VX045571.D	03 Apr 2025 15:14	vial A pH<2 TB	JC/MD	Ok
15	Q1711-08	EB01-040225	VX045572.D	03 Apr 2025 15:37	vial A pH<2 EB	JC/MD	Ok
16	Q1711-05	MW-18B-56-040225-SI	VX045573.D	03 Apr 2025 16:00	screening	JC/MD	Not Ok
17	Q1711-06	MW-17B-56-040225-SI	VX045574.D	03 Apr 2025 16:23	screening	JC/MD	Not Ok
18	Q1711-01	MW-18B-56-040225	VX045575.D	03 Apr 2025 16:47	vial A pH<2	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040325

Review By	Semsettin Yesilyurt	Review On	4/4/2025 7:55:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/4/2025 7:58:30 AM		
SubDirectory	VX040325	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133576
Initial Calibration Stds	
CCC	VP133577,VP133578
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1711-02MS	MW-18B-56-040225MS	VX045576.D	03 Apr 2025 17:10	Internal standard fail;Surrogate fail;Recovery failed low	JC/MD	Not Ok
20	Q1711-03MSD	MW-18B-56-040225MS	VX045577.D	03 Apr 2025 17:33	vial A pH<2	JC/MD	Ok,M
21	IBLK	IBLK	VX045578.D	03 Apr 2025 17:56		JC/MD	Ok
22	IBLK	IBLK	VX045579.D	03 Apr 2025 18:19		JC/MD	Ok
23	Q1676-01	Storage-Blank-SOIL-RE	VX045580.D	03 Apr 2025 18:43	vial A pH<2	JC/MD	Ok
24	Q1676-02	Storage-Blank-WATER-	VX045581.D	03 Apr 2025 19:06	vial A pH<2	JC/MD	Ok
25	Q1676-03	Storage-Blank-WATER-	VX045582.D	03 Apr 2025 19:29	vial A pH<2	JC/MD	Ok
26	Q1676-04	Storage-Blank-SAMPLE	VX045583.D	03 Apr 2025 19:52	vial A pH<2	JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX045584.D	03 Apr 2025 20:15		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040425

Review By	John Carlone	Review On	4/7/2025 9:58:56 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/7/2025 12:14:08 PM		
SubDirectory	VX040425	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133596
Initial Calibration Stds	
CCC	VP133597,VP133598
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	VX045585.D	04 Apr 2025 09:31		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045586.D	04 Apr 2025 10:00	pH#Lot#V12668	JC/MD	Ok,M
3	VX0404MBL01	VX0404MBL01	VX045587.D	04 Apr 2025 10:28		JC/MD	Ok
4	VX0404WBL01	VX0404WBL01	VX045588.D	04 Apr 2025 10:51		JC/MD	Ok
5	VX0404WBS01	VX0404WBS01	VX045589.D	04 Apr 2025 11:14		JC/MD	Ok,M
6	VX0404WBSD01	VX0404WBSD01	VX045590.D	04 Apr 2025 11:40		JC/MD	Ok,M
7	Q1711-02MS	MW-18B-56-040225MS	VX045591.D	04 Apr 2025 12:04	vial A pH<2	JC/MD	Ok,M
8	IBLK	IBLK	VX045592.D	04 Apr 2025 12:27		JC/MD	Ok
9	Q1716-01	MOD-FOR-LRSA	VX045593.D	04 Apr 2025 12:50	vial A pH<2	JC/MD	Ok
10	Q1731-04	RMW-03B-90-040325	VX045594.D	04 Apr 2025 13:13	RUN@40X	JC/MD	Not Ok
11	Q1731-01	RMW-01B-82-040325	VX045595.D	04 Apr 2025 13:37	Need Straight Run	JC/MD	Not Ok
12	Q1731-02	RMW-04B-91-040325	VX045596.D	04 Apr 2025 14:00	Need Straight Run	JC/MD	Not Ok
13	Q1731-03	RMW-01B-82-040325-F	VX045597.D	04 Apr 2025 14:23	Need Straight Run	JC/MD	Not Ok
14	IBLK	IBLK	VX045598.D	04 Apr 2025 14:46		JC/MD	Ok
15	Q1731-07	TB01-040325	VX045599.D	04 Apr 2025 15:10	vial A pH<2 TB	JC/MD	Ok
16	Q1731-05	EB01-040325	VX045600.D	04 Apr 2025 15:33	vial A pH<2 EB	JC/MD	Ok
17	PB167448TB	PB167448TB	VX045601.D	04 Apr 2025 15:56		JC/MD	Ok
18	PB167448ZHE#01	PB167448ZHE#01	VX045602.D	04 Apr 2025 16:19		JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX040425

Review By	John Carlone	Review On	4/7/2025 9:58:56 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/7/2025 12:14:08 PM		
SubDirectory	VX040425	HP Acquire Method		HP Processing Method	82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133596
Initial Calibration Stds	
CCC	VP133597,VP133598
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB167448ZHE#02	PB167448ZHE#02	VX045603.D	04 Apr 2025 16:42		JC/MD	Ok
20	PB167448ZHE#03	PB167448ZHE#03	VX045604.D	04 Apr 2025 17:06		JC/MD	Ok
21	PB167448ZHE#04	PB167448ZHE#04	VX045605.D	04 Apr 2025 17:29		JC/MD	Ok
22	PB167448ZHE#05	PB167448ZHE#05	VX045606.D	04 Apr 2025 17:52		JC/MD	Ok,M
23	Q1694-04	TP-18	VX045607.D	04 Apr 2025 18:15	vial A pH#5.0	JC/MD	Ok
24	Q1695-04	TT-2	VX045608.D	04 Apr 2025 18:38	vial A pH#5.0	JC/MD	Ok
25	Q1695-08	TT-3	VX045609.D	04 Apr 2025 19:01	vial A pH#5.0	JC/MD	Ok
26	Q1712-04	Z-05A	VX045610.D	04 Apr 2025 19:24	vial A pH#5.0	JC/MD	Ok
27	Q1712-08	TT-7	VX045611.D	04 Apr 2025 19:48	vial A pH#5.0	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX045612.D	04 Apr 2025 20:11		JC/MD	Ok,M

M : Manual Integration

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

Prep Standard - Chemical Standard Summary

Order ID : Q1711

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: vx040325,VX040425,

Standard ID :
VP131746,VP131767,VP132035,VP132096,VP133174,VP133342,VP133544,VP133576,VP133577,VP133578,VP133596,VP133597,VP133598,

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,

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	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

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

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133576	04/03/2025	04/04/2025	John Carlone	None	None	Mahesh Dadoda 04/05/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133577	04/03/2025	04/04/2025	John Carlone	None	None	Mahesh Dadoda 04/05/2025

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	VP133578	04/03/2025	04/04/2025	John Carlone	None	None	Mahesh Dadoda 04/05/2025

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

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133596	04/04/2025	04/05/2025	John Carlone	None	None	Mahesh Dadoda 04/07/2025

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	VP133597	04/04/2025	04/05/2025	John Carlone	None	None	Mahesh Dadoda 04/07/2025

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

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133598	04/04/2025	04/05/2025	John Carlone	None	None	Mahesh Dadoda 04/07/2025

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

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	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

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 #
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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	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
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
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

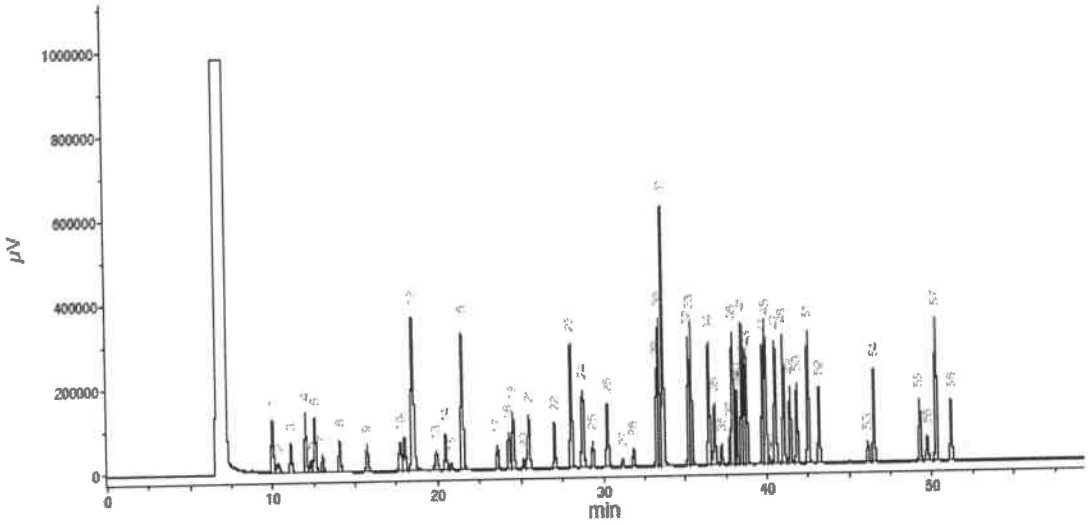
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR6561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/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	Tetrachloroethane/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.12
50	1,4-Dichlorobenzene	41.33
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	48.26
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

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 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

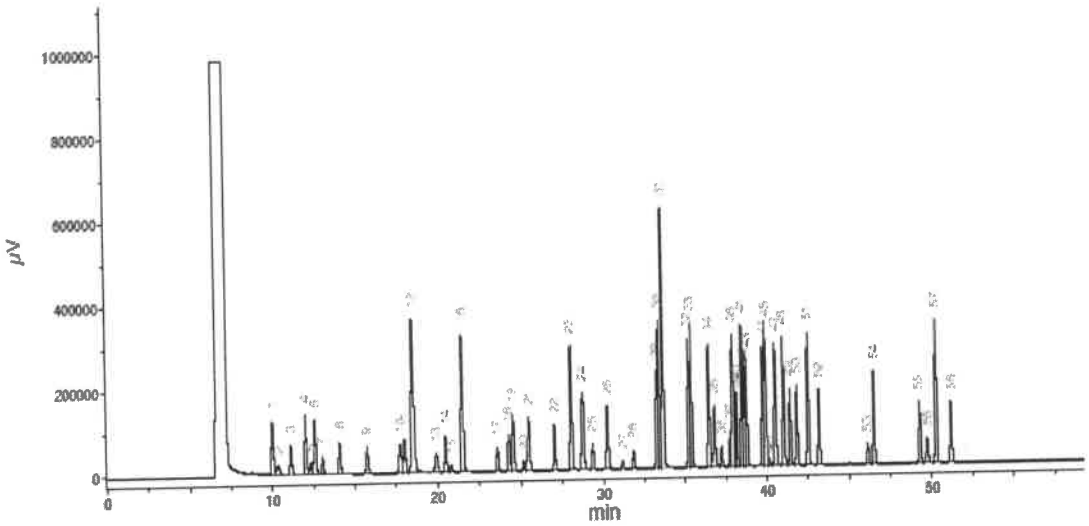
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR6561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	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 03/18/24
5 vials

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

V14895 to V14899

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

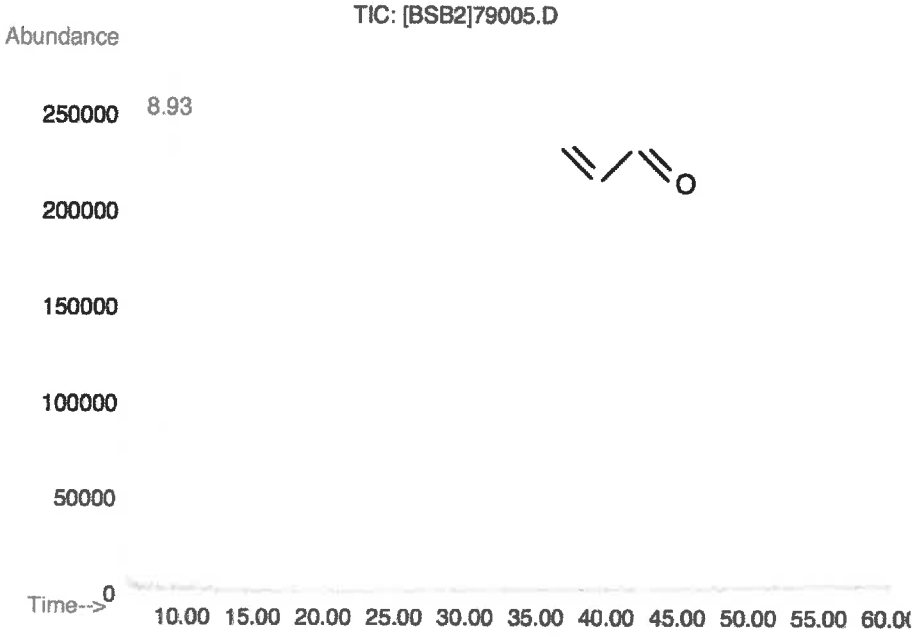
Weight(s) shown below were combined and diluted to (mL): 10.0

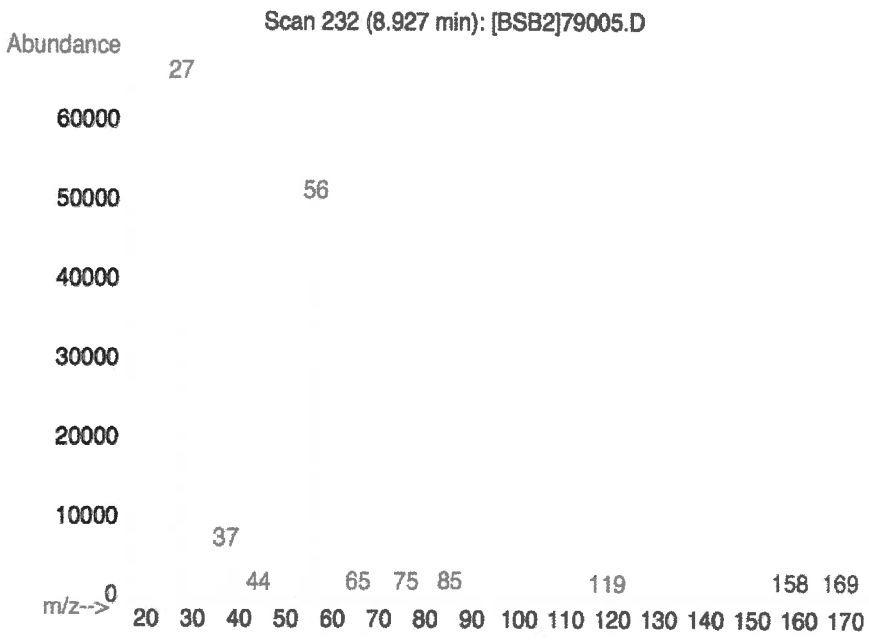
Formulated By: Lawrence Barry 031725 DATE

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	

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

	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

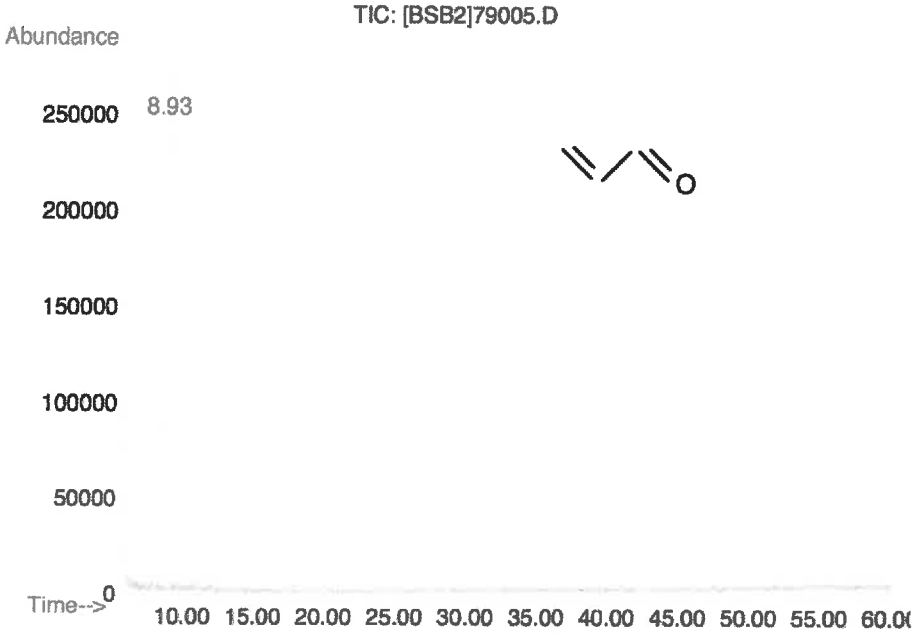
5 vials
V14895 to V14899

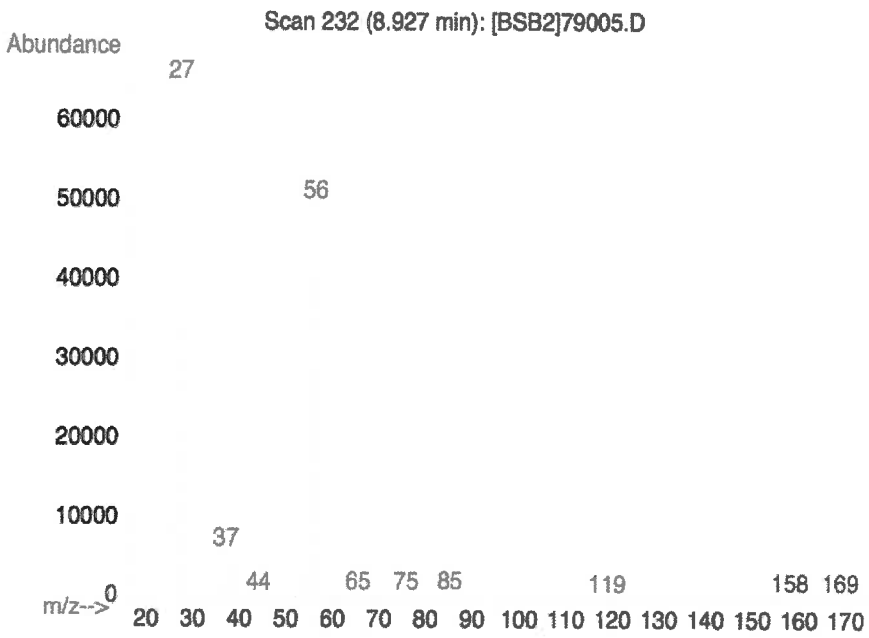
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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

Rec 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

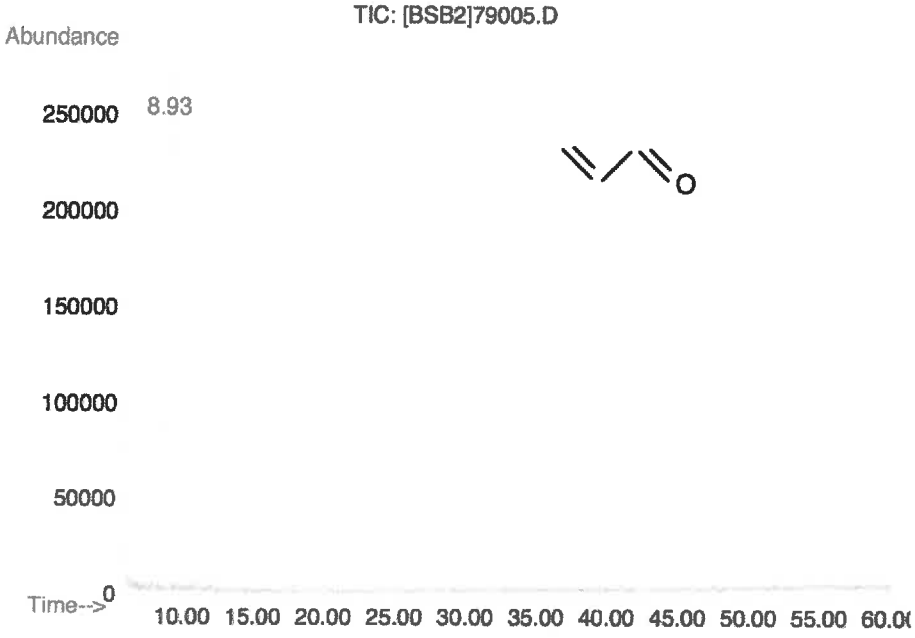
5 vial
V14895 to V14899

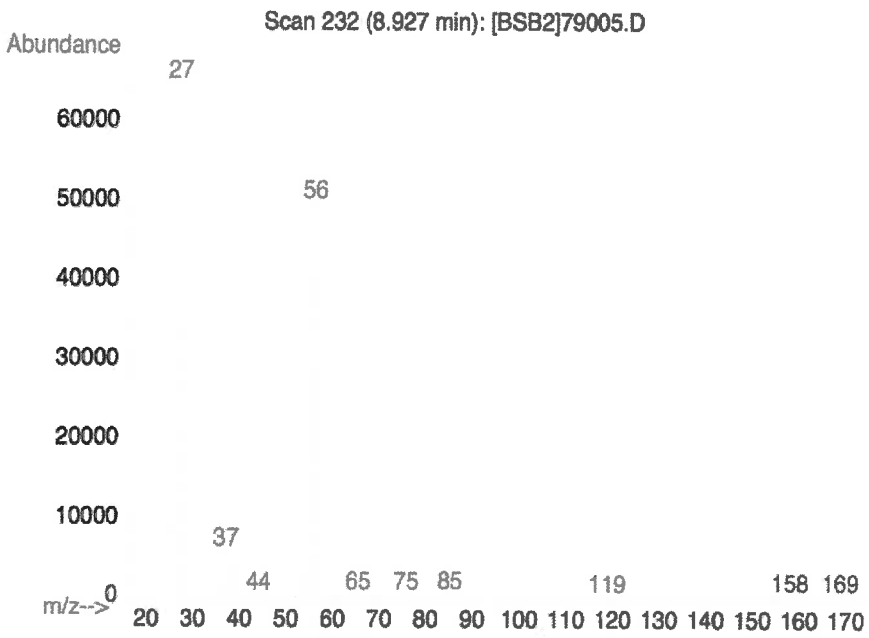
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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

Rec 03/18/24

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5 vial

Part Number: 91980
Lot Number: 031725
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

V14895 to V14899

Expiration Date: 041725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

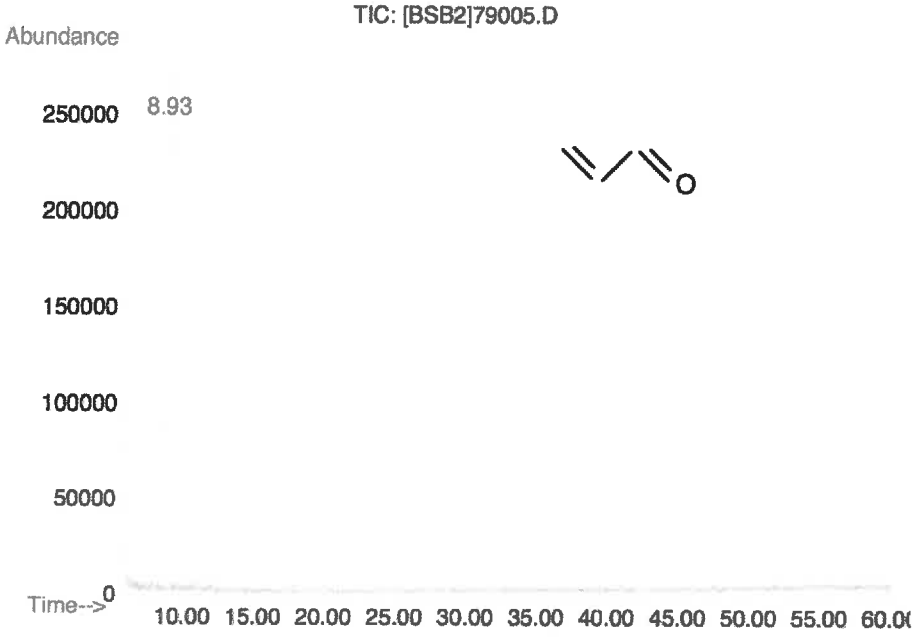
Weight(s) shown below were combined and diluted to (mL): 10.0

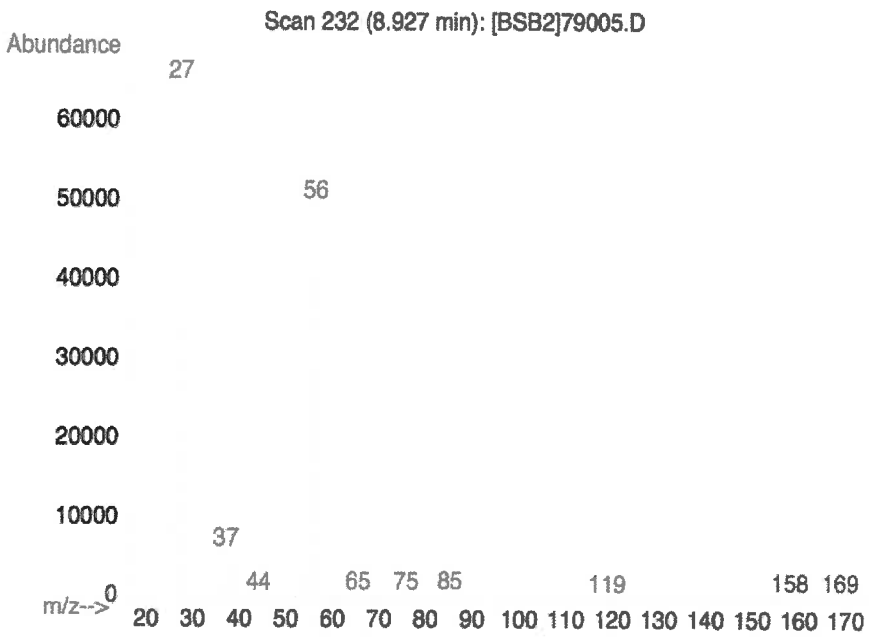
Formulated By: Lawrence Barry 031725 DATE

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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
https://Absolutestandards.co...

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

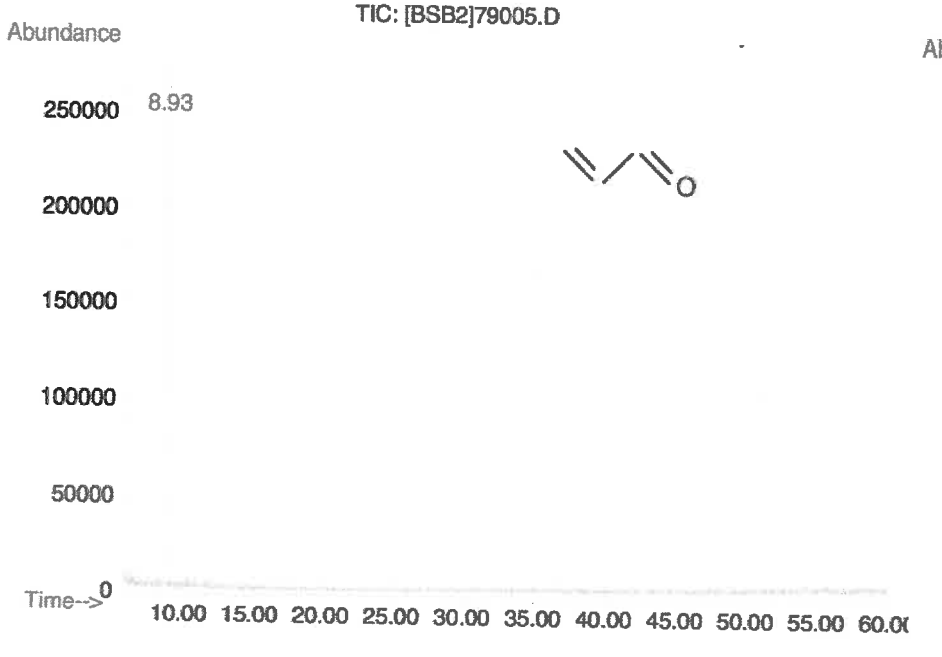
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

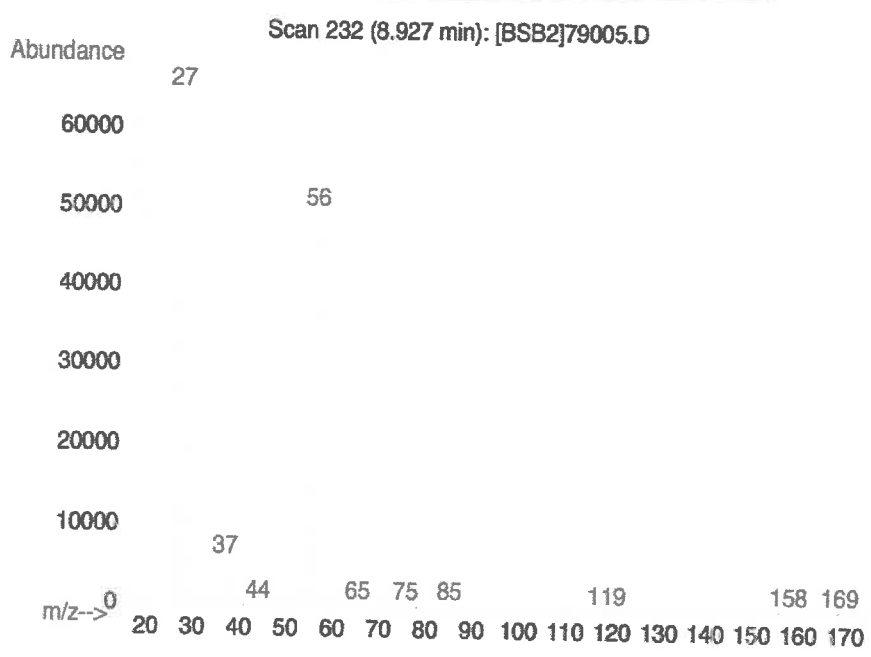
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

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

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
https://Absolutestandards.co...

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

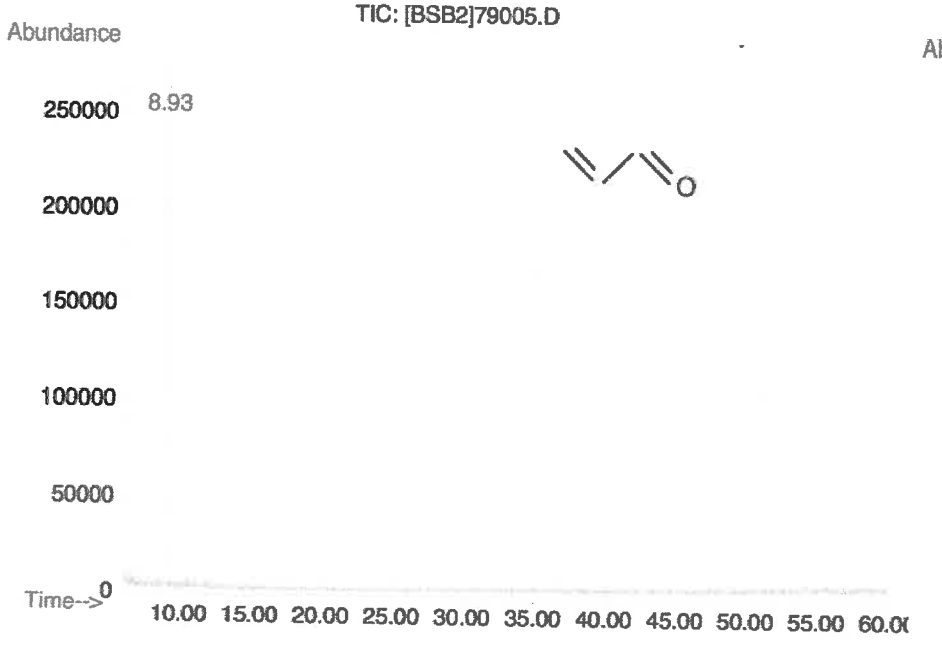
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

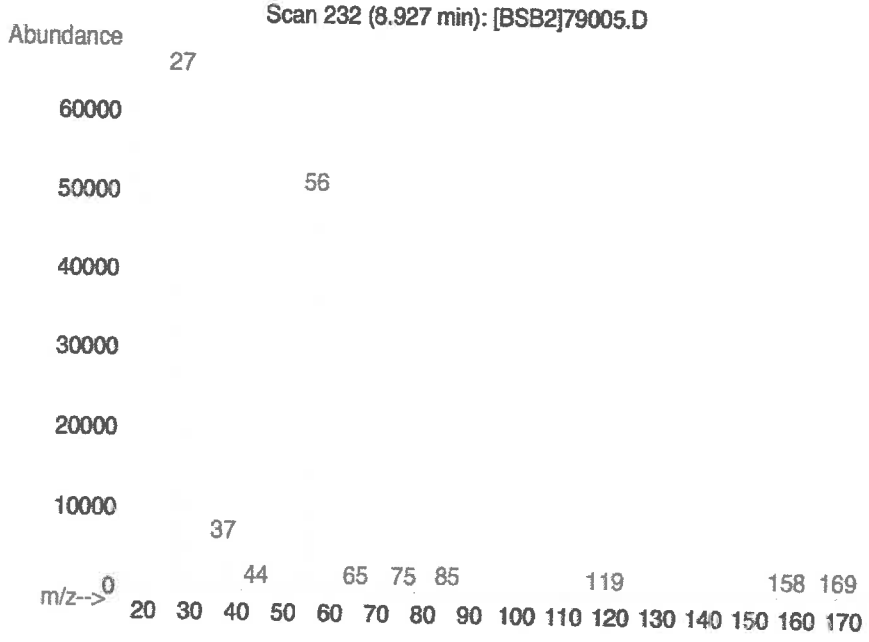
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

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

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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

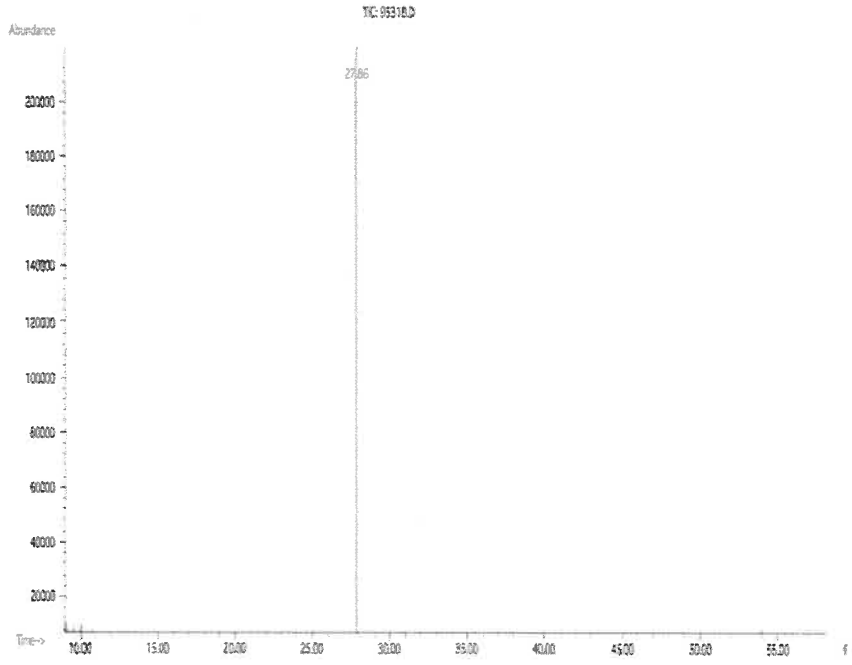
Solvent(s): Methanol **Lot#** EJ143-US

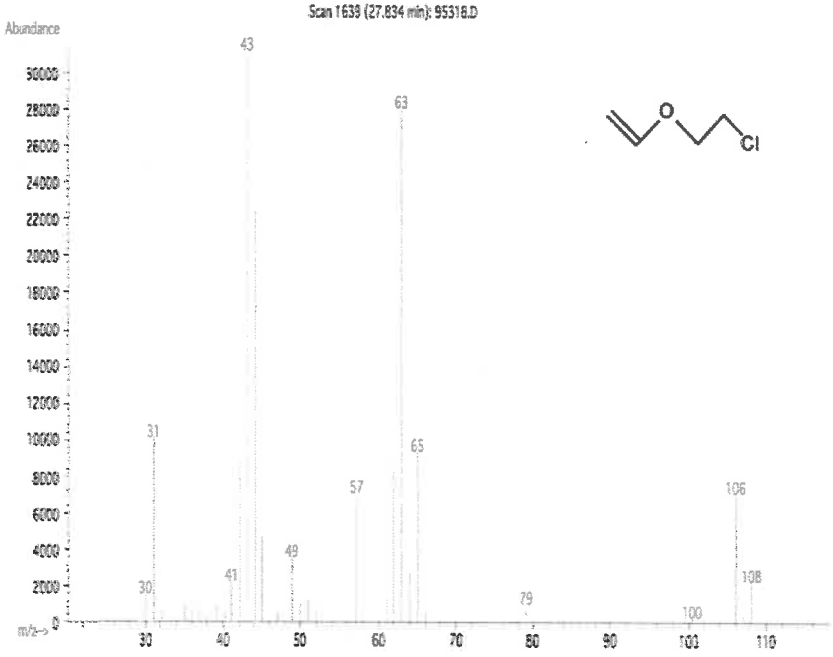
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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.

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

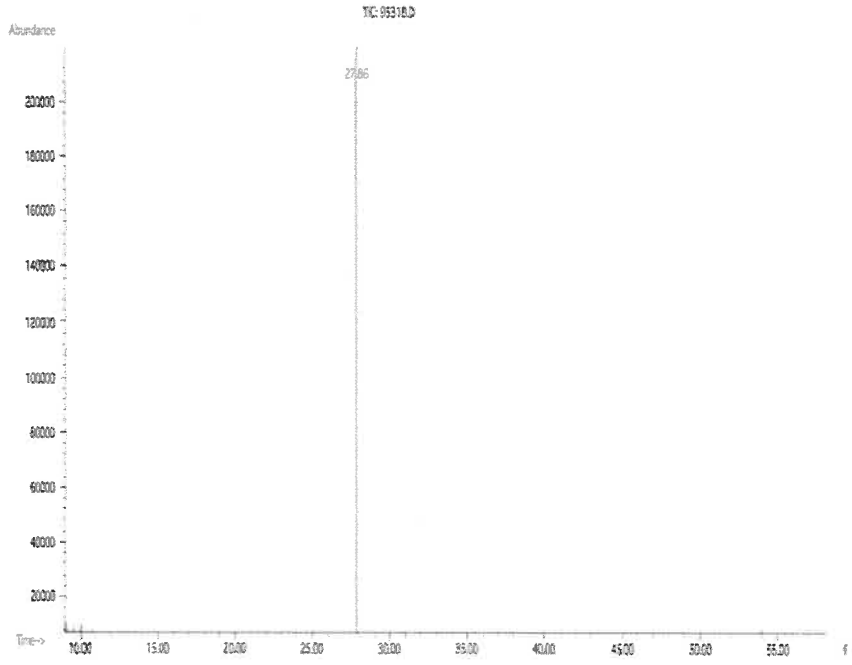
Solvent(s): Methanol **Lot#** EJ143-US

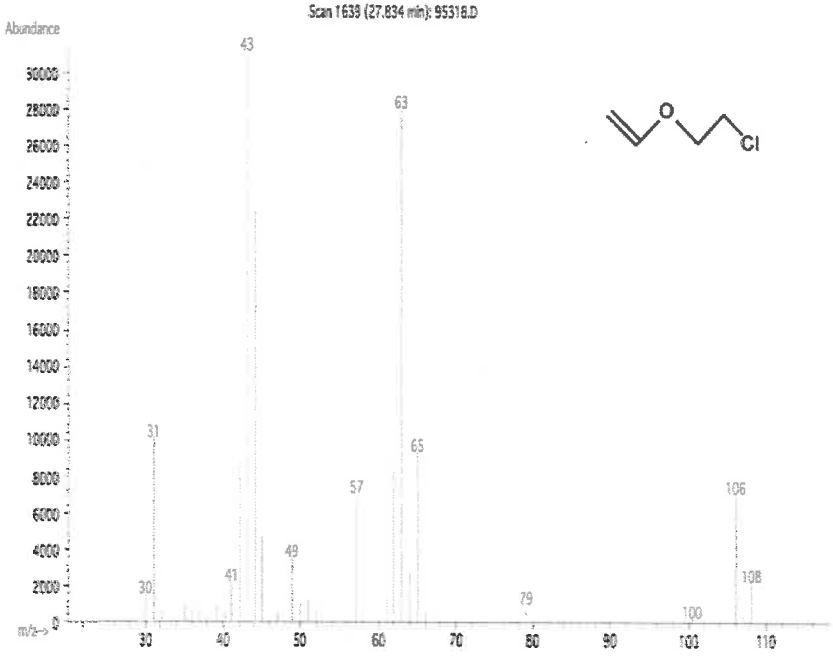
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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.

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

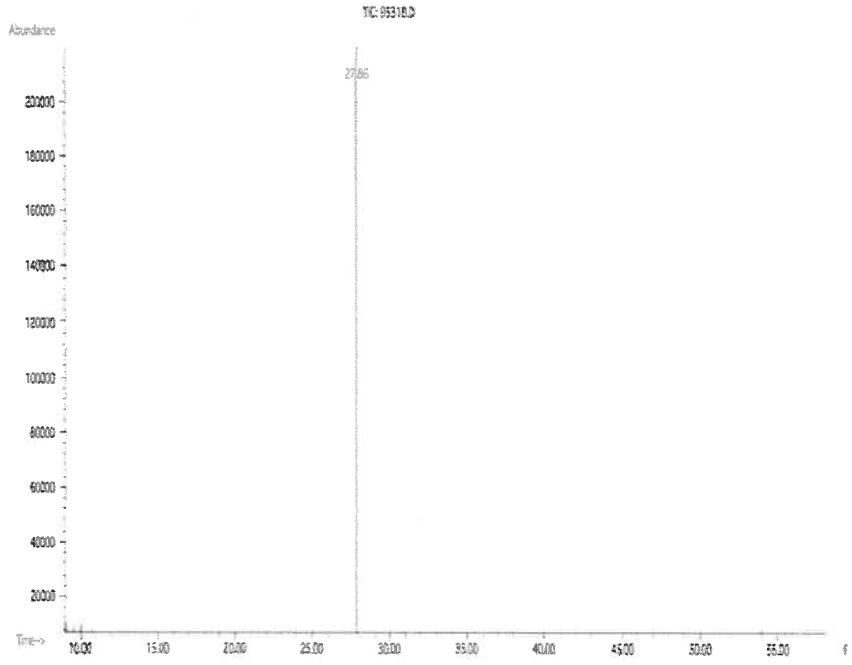
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

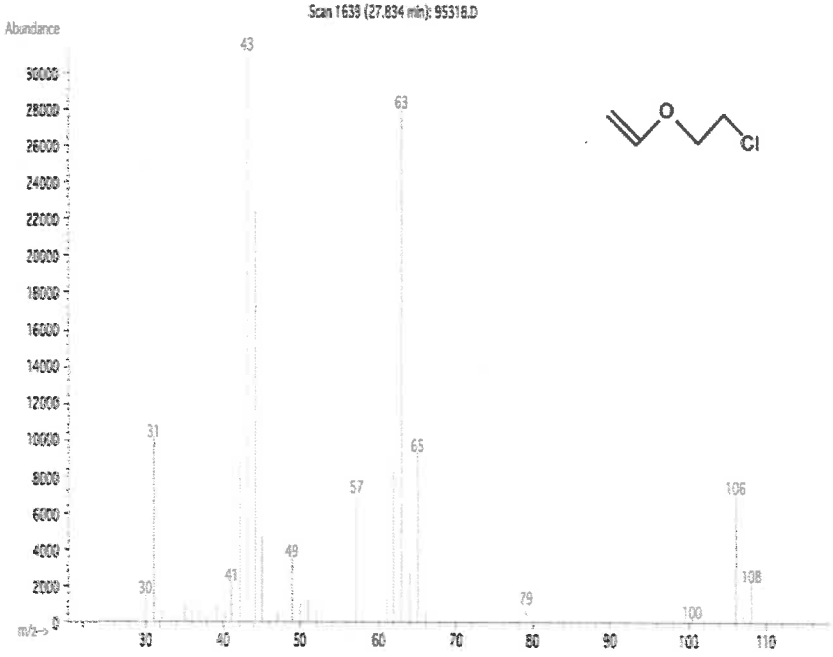
Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE

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.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol **Lot#** EJ143-US

V14630 to V14649

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

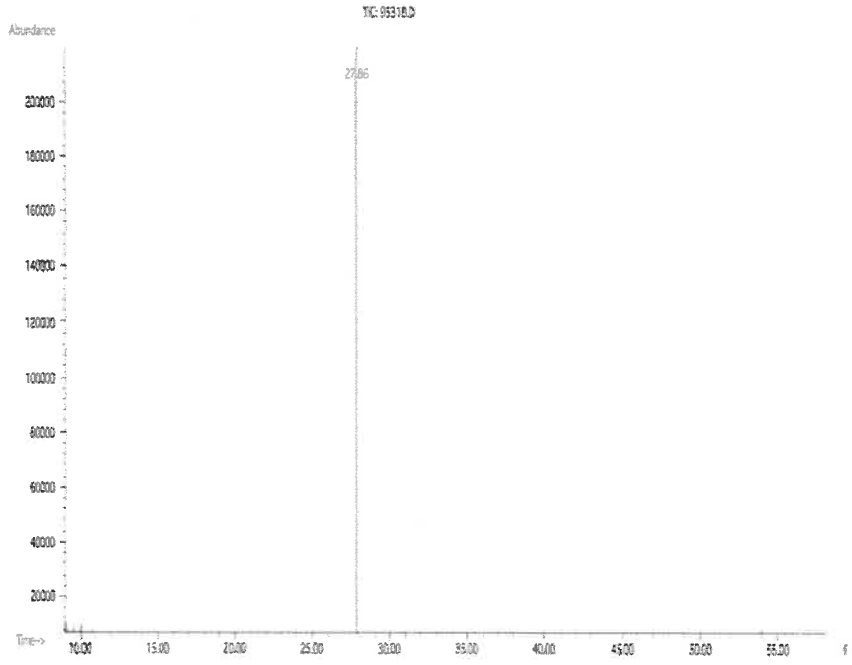
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

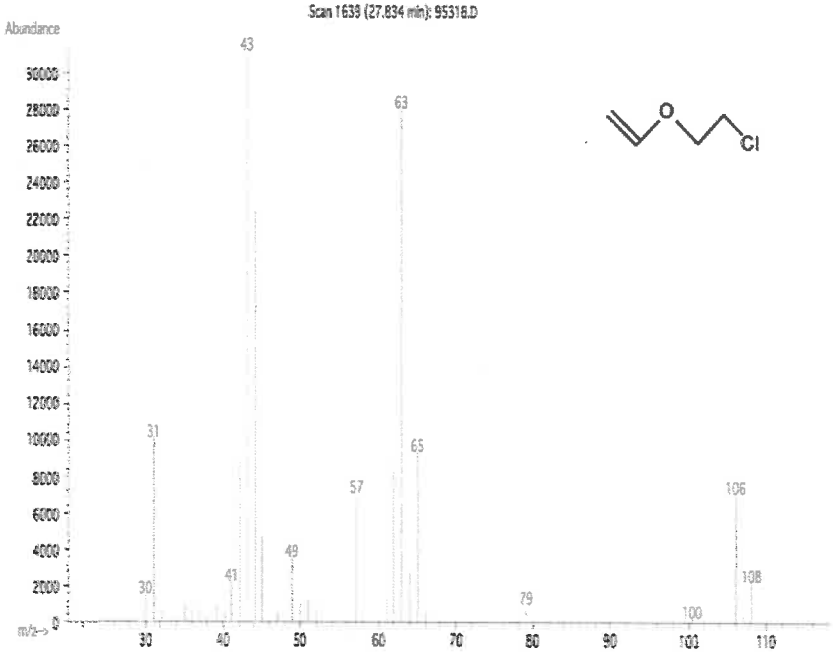
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

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 plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

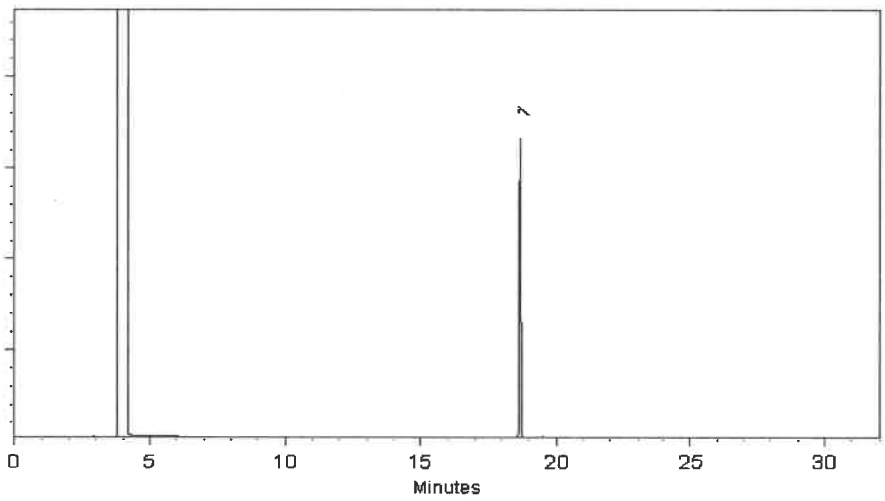
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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.)

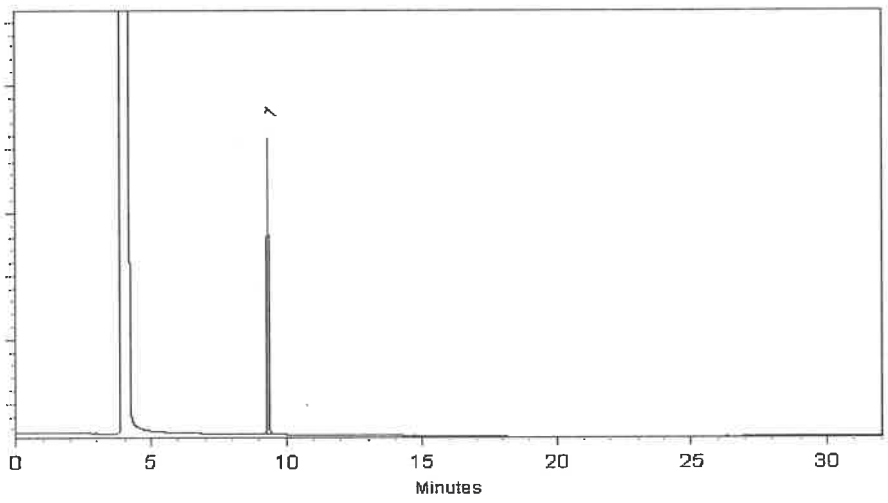
Inj. Temp:
200°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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.)

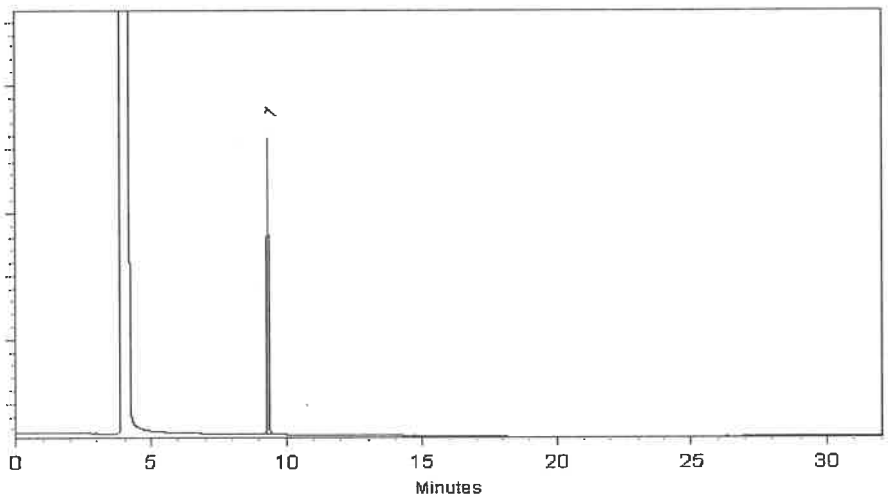
Inj. Temp:
200°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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.)

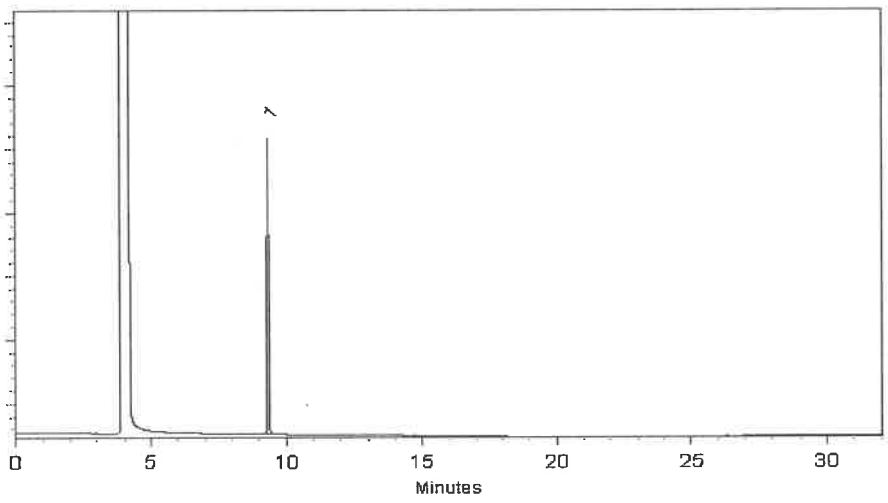
Inj. Temp:
200°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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.)

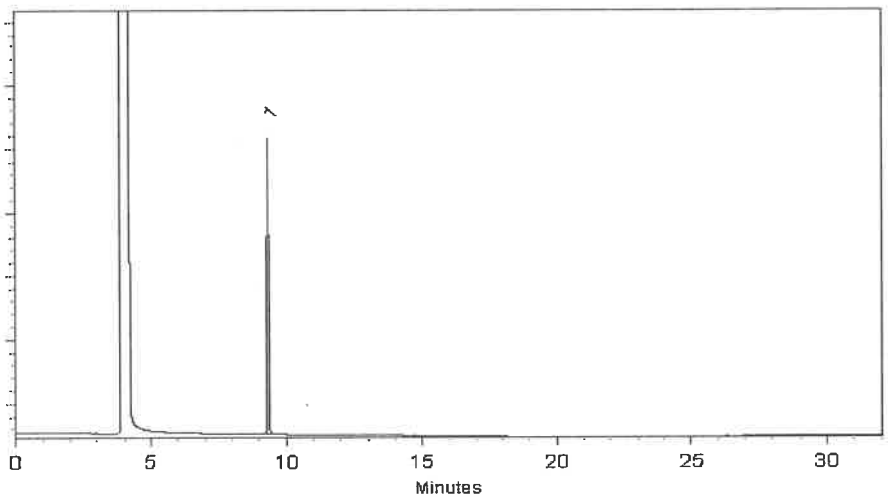
Inj. Temp:
200°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

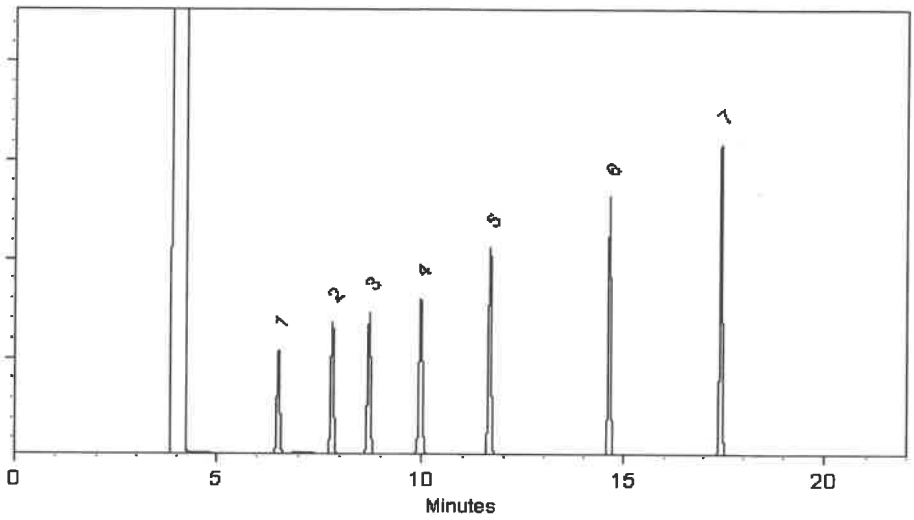
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

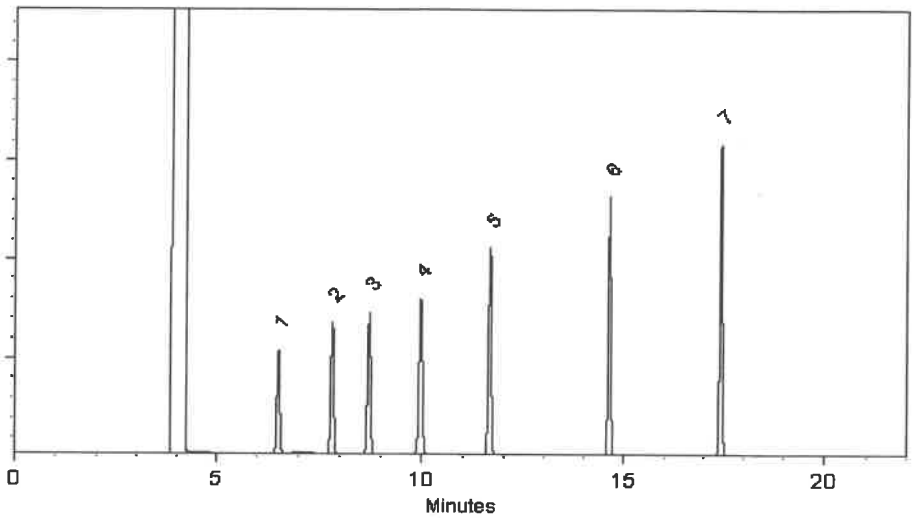
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- 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

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

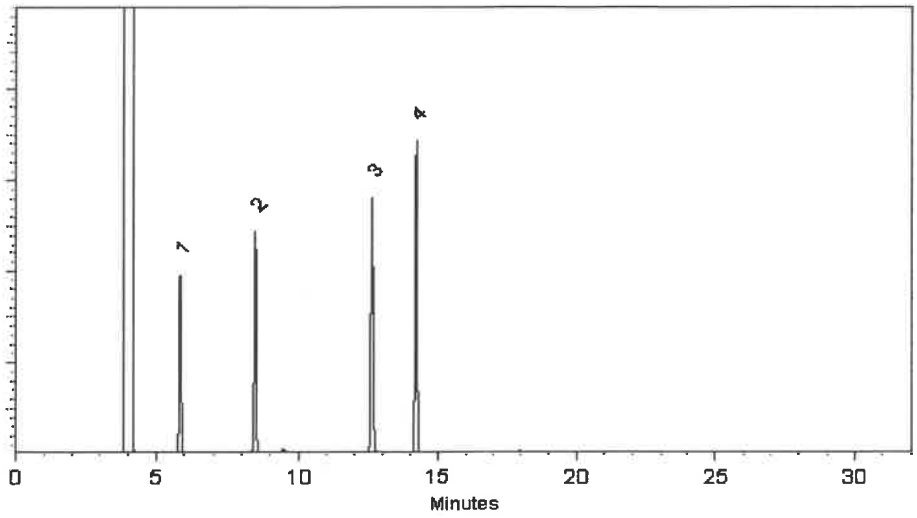
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- 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

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

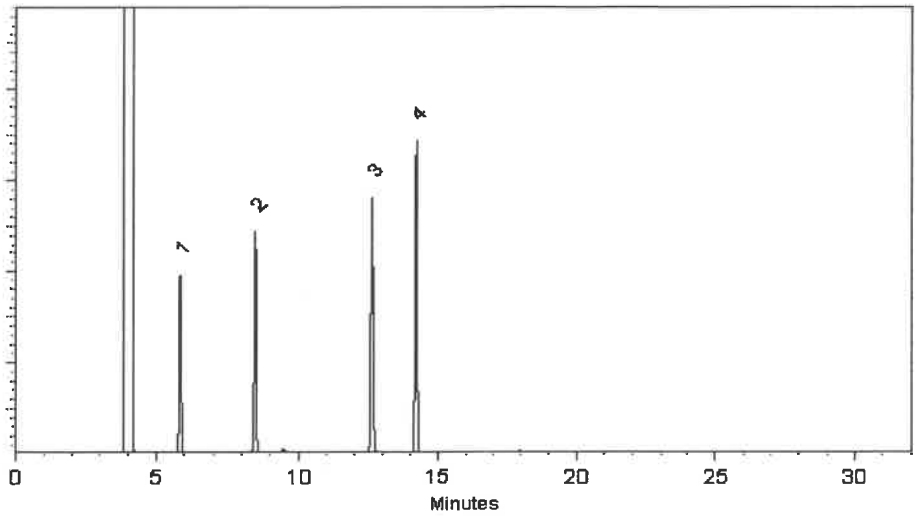
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- 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

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

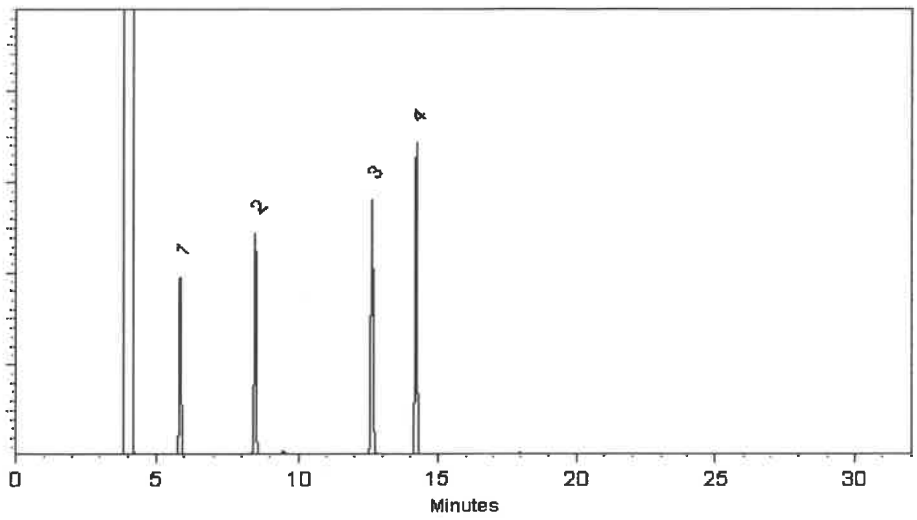
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- 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

Rec 12/17/24

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.

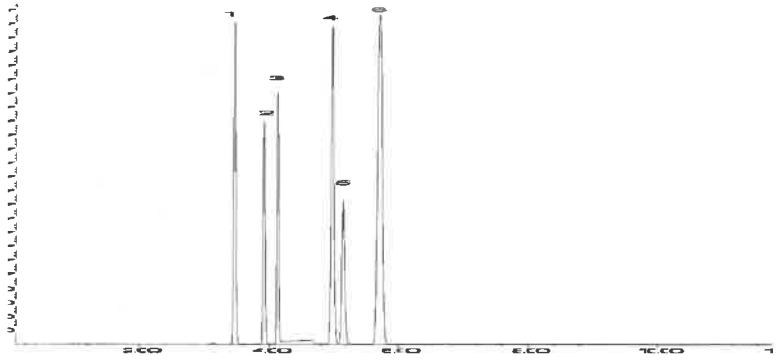
Inj. Temp:
200°C

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

Rec 12/17/24

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.

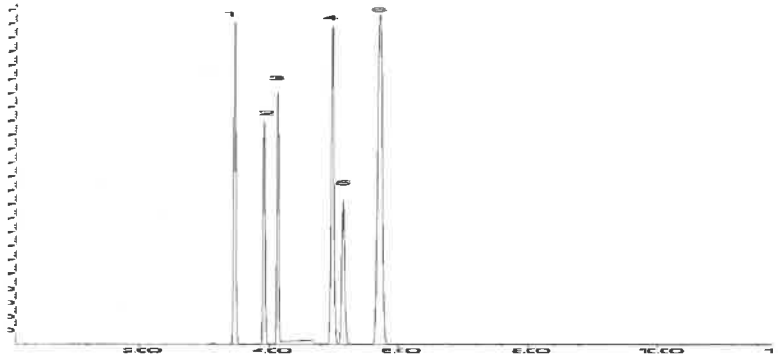
Inj. Temp:
200°C

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

J14842 to 14846

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

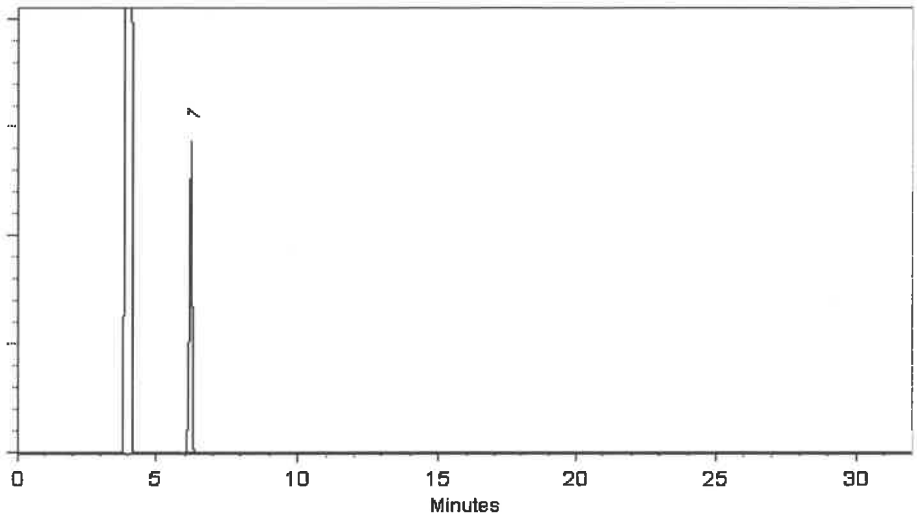
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- 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

Zoviy Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

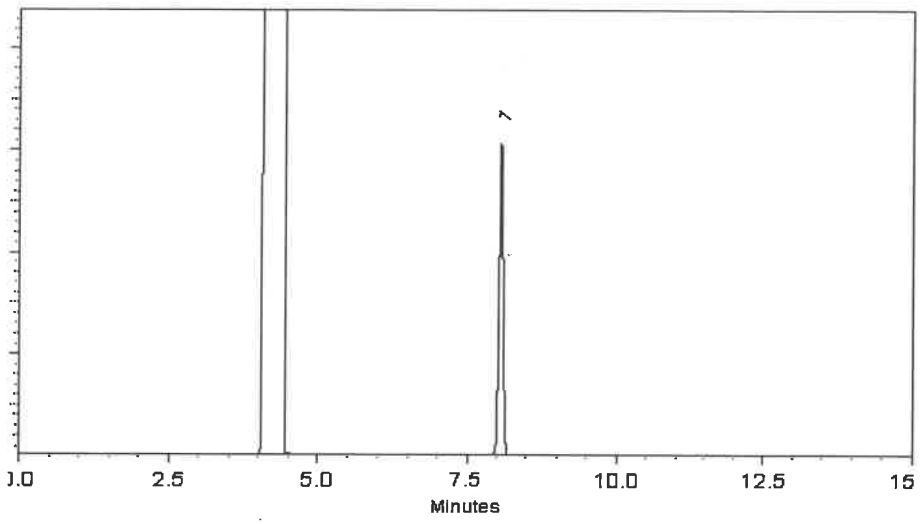
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- 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

Verify Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

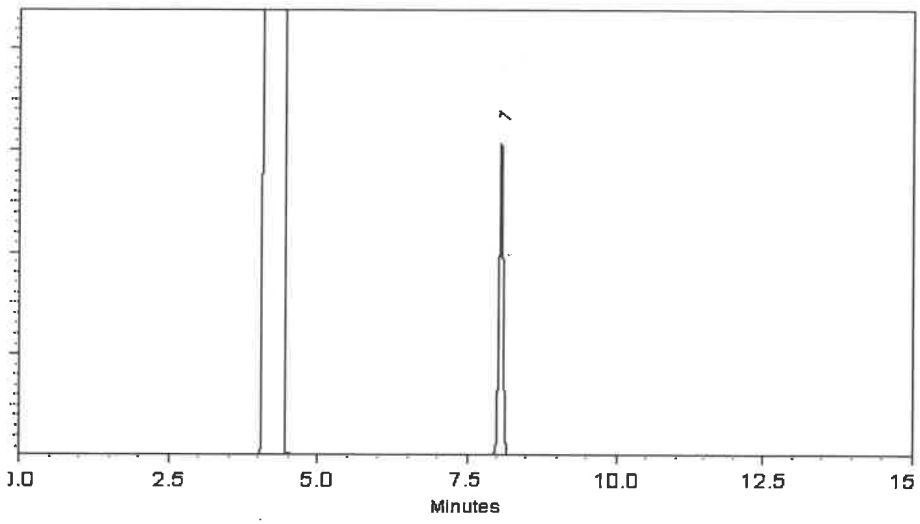
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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

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. Q1711
COC Number 2045984

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite # 100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yunfanti John.Yunfanti@Jacobs.com
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTL
PROJECT NO.: D3586221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: (PM) RJT 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 (2 day) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1: Site Specific VOCs (8260D-Low)
2: 1,4 Dioxane (8270E-SIM)
3: Total TS Metals (6020B)
4: Dissolved Iron (6010D)
5: Alkalinity (SM2320B)
6: TDS (SM2540C)
7: Anions (9056)
8: Trace VOCs (SFAM01.1-SIM)
9:

PRESERVATIVES

Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRES A/E 1	PRES E 2	PRES B/E 3	PRES E 4	PRES E 5	PRES E 6	PRES E 7	PRES A/E 8	PRES 9	COMMENTS
1.	MW-18B-56-040225	GW		✓	4/2/25	1235	27	✓	✓	✓	✓	✓	✓	✓		(A)	MS/MSD !! (27 bottles)
2.	MW-17B-55-040225	GW		✓	4/2/25	1535	9	✓	✓	✓	✓	✓	✓	✓			9 bottles
3.	MW-18B-56-040225-SIM	GW		✓	4/2/25	1235	2								✓		
4.	MW-17B-55-040225-SIM	GW		✓	4/2/25	1535	2								✓		
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	4-2-25 1650	1. 1650 4-2-25
2.		2.
3.	4-2-25 1825	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0C °C
Comments: See work order for list of site specific VOCs
PRESERVE DISSOLVE IRON SAMPLES UPON ARRIVAL TO THE LAB
PO # 1480643 11
Temp 3.0°C CAdjusted Factor +1) IR Gun #1.

Page 1 of 2
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1711
COC Number 2045981

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite 100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yurfanic John.Yurfanic@Jacobs.com
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D386821 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) Standard TAT 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: Site Spec VOCs (624MOD-LL)
2: 1,4 DW (8270E-SIM)
3: Trace VOCs (SFAM01.1-SIM)
4: Total Metals (6020B)
5: Dissolved Iron (6010B)
6: Alkalinity (SM2320B)
7: TDS (SM2540C)
8: Anion (9056)
9:

PRESERVATIVES

1	2	3	4	5	6	7	8	9
A/E	E	A/E	B/E	E	E	E	E	

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES
1.	RMW-05B-89-040225	GW		✓	4/2/25	1605	4
2.	EBO1-040225	DI		✓	4/2/25	1550	9
3.	EBO1-040225-SIM	DI		✓	4/2/25	1550	2
4.	TBO1-040225	DI		✓	4/2/25	1600	2
5.							
6.							
7.							
8.							
9.							
10.							

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	4-2-25 1650	1. 1650 4-2-25
2.		2.
3.	4-2-25 1825	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0 °C
Comments: See Work order for list of site specific VOCs

Temp 3.0°C (Adjusted Factor +1) IR Gun #1.

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

From: Ynfante, John <John.Ynfante@jacobs.com>
Sent: Friday, April 04, 2025 12:54 PM
To: Yazmeen Gomez; Mohammad Ahmed
Subject: RE: Princeton SIM/no-SIM

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

Thanks Yazmeen, but like I mentioned yesterday if you aren't able to analyze any of those 3 normal samples by SIM then I have no need for the EB to be analyzed by SIM either so please just cancel that SIM EB. I will already have EB data for VOCs from the EB you ran (or are running) by your routine low 8260D.

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Friday, April 4, 2025 11:51 AM
To: Ynfante, John <John.Ynfante@jacobs.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Subject: [EXTERNAL] RE: Princeton SIM/no-SIM

John,

Please see attached. SIM analysis is also not possible for MW-18B and MW-17B.

However, "EB01-040225-SIM" will be analyzed with SIM.

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 3, 2025 6:27 PM
To: Mohammad Ahmed <mohammad.ahmed@alliancetg.com>; Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: RE: Princeton SIM/no-SIM

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

Ok thanks for the confirmation Mohammad

From: Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Sent: Thursday, April 3, 2025 5:22 PM
To: Ynfante, John <John.Ynfante@jacobs.com>; Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: [EXTERNAL] Re: Princeton SIM/no-SIM

Hi John ,
I will let you know about other 2 samples regarding SIM .
1 8oz jar is enough to run Total metals and SPLP

Get Outlook for iOS

From: Ynfante, John <John.Ynfante@jacobs.com>
Sent: Thursday, April 3, 2025 5:55:35 PM
To: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Subject: Princeton SIM/no-SIM

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

Hi Yazmeen and Mohammad, a few things:

After speaking with Mohammad I understand that the full scan 8260D run for the MW-17B sample had ~11ppm of TCE and high concs of other VOCs as well so you won't be able to run SIM on it – I understand the limitations and have passed that update on to the team so that is fine. There should also be SIM samples collected for 2 more samples - MW-18B and MW-19B so please let me know if your standard 8260 run shows similar concentrations on those as well. Note that these 3 samples are in a completely different location from the rest of the samples and their concentrations shouldn't necessarily represent the levels we will see for other samples – I understand if you have to dilute these high-conc samples I just don't want to over-dilute other samples unnecessarily.

Also, if you don't end up running any of the 3 SFAM-SIM samples then we have no need for that SIM equipment blank to be analyzed either so you can cancel that unless MW-18B or MW-19B turn out to be low enough to be able to be run by SIM in which case I would want the SIM EB.

Finally, for the soil samples we are collecting next week the client decided today that we should also collect for SPLP silver and place it on hold pending the total silver results – I believe you sent 8oz jars for the total silver so that should be plenty to cover the initial silver analysis and then still have enough for SPLP Silver if we need to run it right? Or do you prefer a completely separate jar for the SPLP Ag?

John Ynfante
Jacobs
Chemist
281-414-1719 mobile
John.Ynfante@jacobs.com
www.jacobs.com

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1711 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 4/3/2025 10:00:00 AM
Project Name : Former Schlumberger STC
Receive DateTime : 4/2/2025 6:25:00 PM
Purchase Order :

Project Mgr :
Report Type : 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
Q1711-01	MW-18B-56-040225	Water	04/02/2025	12:35						
					VOCMS Group3		8260-Low	2 Bus. Days		
Q1711-02	Q1711-01MS	Water	04/02/2025	12:35						
					VOCMS Group3		8260-Low	2 Bus. Days		
Q1711-03	Q1711-01MSD	Water	04/02/2025	12:35						
					VOCMS Group3		8260-Low	2 Bus. Days		
Q1711-04	MW-17B-55-040225	Water	04/02/2025	15:35						
					VOCMS Group3		8260-Low	2 Bus. Days		
~~Q1711-05~~	~~MW-18B-56-040225-SIM~~	~~Water~~	~~04/02/2025~~	~~12:35~~						
					~~VOC-TRACE-SFAM~~		~~SFAM_Trace~~	~~2 Bus. Days~~		
~~Q1711-06~~	~~MW-17B-56-040225-SIM~~	~~Water~~	~~04/02/2025~~	~~15:35~~					YG	
					~~VOC-TRACE-SFAM~~		~~SFAM_Trace~~	~~2 Bus. Days~~	04/04/2025	
Q1711-07	RMW-05B-89-040225	Water	04/02/2025	16:05						
					VOCMS Group3		8260-Low	2 Bus. Days		
Q1711-08	EB01-040225	Water	04/02/2025	15:50						

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1711 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 4/3/2025 10:00:00 AM
Project Name : Former Schlumberger STC
Receive DateTime : 4/2/2025 6:25:00 PM
Purchase Order :

Project Mgr :
Report Type : 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 Group3		8260-Low	2 Bus. Days		
~~Q1711-09~~	~~EB01-040225-SIM~~	~~Water~~	~~04/02/2025~~	~~15:50~~						
					~~VOC-TRACE-SFAM~~		~~SFAM_Trace~~	~~2 Bus. Days~~	YG	
Q1711-10	TB01-040225	Water	04/02/2025	16:00					04/04/2025	
					VOCMS Group3		8260-Low	2 Bus. Days		

Relinguished By : CP
Date / Time : 4·3·25 1225

Received By :
Date / Time : 4·3·25 12'25

Storage Area : **VOA Refridgerator Room**